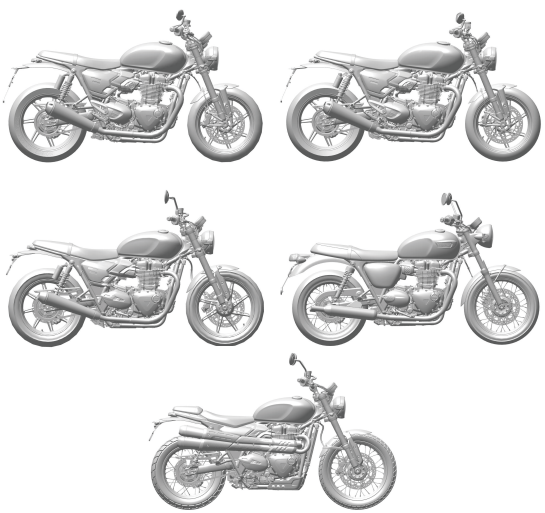
TRIUMPH

Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900, Bonneville T100, Bonneville T120, Bonneville T120 Black and Scrambler 900



This handbook contains information on the Triumph Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900, Bonneville T100, Bonneville T120, Bonneville T120 Black and Scrambler 900 motorcycles. Always store this Owner's Handbook with the motorcycle and refer to it for information whenever necessary.

The information contained in this publication is based on the latest information available at the time of printing. Triumph reserves the right to make changes at any time without prior notice, or obligation.

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CONTENTS

This handbook contains a number of different sections. The table of contents below will help you find the beginning of each section where, in the case of the major sections, a further table of contents will help you find the specific subject required.

03 FOREWORD

09 SAFETY FIRST

18 WARNING LABELS

26 PARTS IDENTIFICATION

39 SERIAL NUMBERS

41 INSTRUMENTS

99 GENERAL INFORMATION

145 HOW TO RIDE THE MOTORCYCLE

159 ACCESSORIES, LOADING AND PASSENGERS

165 MAINTENANCE AND ADJUSTMENT

243 CLEANING AND STORAGE

255 WARRANTY

269 SPECIFICATIONS

305 INDEX

312 APPROVAL INFORMATION

Owner's Handbook

⚠ WARNING

The Owner's Handbook or Quick Start Guide (where supplied with the motorcycle), and all other documents that are supplied with your motorcycle, should be considered a permanent part of your motorcycle and should remain with it, even if your motorcycle is subsequently sold.

All riders must read the Owner's Handbook, Quick Start Guide, and all other documents supplied with your motorcycle before riding, in order to become thoroughly familiar with the correct operation of your motorcycle's controls, its features, capabilities and limitations.

Do not lend your motorcycle to others as riding when not familiar with your motorcycle's controls, features, capabilities and limitations may lead to loss of motorcycle control, which could result in serious injury or death.

Thank you for choosing a Triumph motorcycle. This motorcycle is the product of Triumph's use of proven engineering, exhaustive testing, and continuous striving for superior reliability, safety and performance.

Please read this Owner's Handbook before riding in order to become thoroughly familiar with the correct operation of your motorcycle's controls, its features, capabilities and limitations.

This Owner's Handbook includes safe riding tips, but does not contain all the techniques and skills necessary to ride a motorcycle safely.

Triumph strongly recommends that all riders undertake the necessary training to ensure safe operation of this motorcycle.

The latest version of this Owner's Handbook containing any changes is available from your local dealer and online from www.triumphtechnicalinformation.com/handbooks in:

- English
- US English
- Arabic
- Chinese
- Dutch
- French
- German
- Italian
- Japanese
- Portuguese (Brazil)
- Spanish
- Swedish
- Thai
- Finnish, Polish, Portuguese and Slovak (available online only from www.triumphtechnicalinformation.com/handbooks).

The languages available for this Owner's Handbook are dependent on the specific motorcycle model and country.

QR Code

To download the Owner's Handbook;

Enter the address below into a web browser:

www.triumphtechnicalinformation.com/handbooks

Or;

Scan the QR code using your smart device:

This QR code can also be found on a label permanently attached to your motorcycle, located either under the seat or behind the side panel.

After entering the web address or scanning the QR code, your browser will be directed to a web page where you can select and download your Owner's Handbook.

We recommend that you download and store a copy of the Owner's Handbook for use offline. As information contained within the handbook may change, we recommend downloading and replacing your handbook on a regular basis to make sure it is kept up to date.

Triumph Technical Information (TTI)

For maintenance procedures that require specialist knowledge or service tools, these are referred to the Service Manual which can be accessed at www.triumphtechnicalinformation.com.

Or;

Scan the QR code using your smart device:

Registration is required to access the site.

Dangers, Warnings, Cautions and Notices

Particularly important information is presented in the following form:

⚠ DANGER

This danger symbol identifies special instructions or procedures, which, if not correctly followed, will result in serious injury, or death.

⚠ WARNING

This warning symbol identifies special instructions or procedures, which, if not correctly followed, could result in serious injury, or death.

⚠ CAUTION

This caution symbol identifies special instructions or procedures, which, if not strictly observed, could result in minor or moderate injury.

NOTICE

This notice symbol indicates points of particular interest for more efficient and convenient operation.

Warning Labels



At certain areas of the motorcycle, the symbol above can be seen. The symbol means CAUTION: REFER TO THE HANDBOOK and will be followed by a pictorial representation of the subject concerned and/or text.

Never attempt to ride the motorcycle or make any adjustments without reference to the relevant instructions contained in this handbook.

For the location of all labels showing this symbol, see the Warning Label Locations section of this Owner's Handbook. Where necessary, this symbol will also appear on the pages containing the relevant information.

Maintenance

To ensure a long, safe, and trouble-free life for your motorcycle, maintenance should only be carried out by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

An authorized Triumph dealer will have the necessary knowledge, equipment, and skills to maintain your Triumph motorcycle correctly.

To locate your nearest authorized Triumph dealer, visit the Triumph web site at www.triumphmotorcycles.co.uk/dealers or telephone the authorized distributor in your country. Their address is given in the service record book that accompanies this handbook.

Noise Control System

Tampering with the noise control system is prohibited.

Owners are warned that the law may prohibit:

- The removal or rendering inoperative by any person other than for purposes of maintenance, repair or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use and,
- The use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

Among those acts presumed to constitute tampering are the acts listed below:

- Removal of, or puncturing the muffler, baffles, header pipes or any other component that conducts exhaust gases.
- Removal of, or puncturing of any part of the intake system.
- Lack of proper maintenance.
- Replacing any moving parts of the vehicle, or parts of the exhaust or intake system, with parts other than those specified by the manufacturer.

Relocating the Motorcycle

Rules and regulations vary between countries. Therefore, when moving countries and relocating your Triumph motorcycle, it is your responsibility to make sure that the motorcycle meets local rules and regulations.

Talk to Triumph

Our relationship with you does not end with the purchase of your Triumph. Your feedback on the buying and ownership experience is very important in helping us develop our products and services for you.

Please help us by ensuring your authorized Triumph dealership has your email address and registers this with us. You will then receive an online customer satisfaction survey invitation to your email address where you can give us this feedback.

Your Triumph Team.

Off-road Use

Scrambler 900 Only

The motorcycles are designed for on-road and light off-road use. Light off-road use includes use on unpaved, dirt or gravel roads, but does not include riding on any motocross course, any off-road competition (such as motocross or enduro riding), or riding off-road with a passenger.

Light off-road use does not include jumping the motorcycle or riding over obstacles. Do not attempt to jump over any bumps or obstacles. Do not attempt to ride over any obstacles.

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The Motorcycle

Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900, Bonneville T100, Bonneville T120 and Bonneville T120 Black

⚠ WARNING

This motorcycle is designed for on-road use only.

Do not ride this motorcycle off-road.

Off-road operation may lead to loss of motorcycle control which could result in serious injury or death.

Scrambler 900

⚠ WARNING

This motorcycle is designed for on-road and light off-road use. Light off-road use includes use on unpaved, dirt or gravel roads, but does not include riding on any motocross course, any off-road competition (such as motocross or enduro riding), or riding off-road with a passenger.

Light off-road use does not include jumping the motorcycle or riding over obstacles. Do not attempt to jump over any bumps or obstacles. Do not attempt to ride over any obstacles.

Extreme off-road use may lead to loss of motorcycle control, which could result in serious injury or death.

All Models

⚠ WARNING

This motorcycle is designed for use as a two-wheeled vehicle capable of carrying a rider and up to one passenger (subject to a passenger seat and footrests being installed).

The total weight of the rider, and any passenger, accessories and luggage must not exceed the maximum load limit as specified in the Specifications section.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

This motorcycle is equipped with a catalytic converter, which along with the exhaust system, reaches a very high temperature during engine operation.

Flammable materials such as grass, hay/straw, leaves, clothing and luggage, could ignite if allowed to come into contact with any part of the exhaust system and catalytic converter.

Always make sure flammable materials do not come into contact with the exhaust system or catalytic converter.

Failure to follow the advice above may cause a fire, which could result in serious injury or death.

⚠ WARNING

This motorcycle is not designed to tow a trailer or be equipped with a sidecar.

Equipping a sidecar and/or a trailer may affect the handling, stability or other aspects of the motorcycle operation.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

Scrambler 900

⚠ WARNING

Riding the motorcycle off-road may result in loosening of the wheel spokes.

Make sure that the spokes are checked before and after riding the motorcycle off-road. Contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Spokes that are loose may affect handling and stability leading to loss of motorcycle control, which could result in serious injury or death.

Bonneville T100, Bonneville T120, Bonneville T120 Black and Scrambler 900

⚠ WARNING

Check the wheel rims and spokes regularly for wear and damage.

Check spoke tension at all intervals listed in the maintenance schedule. Contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer to tighten any loose spokes.

Incorrectly tightened spokes may affect handling and stability, leading to loss of motorcycle control, which could result in serious injury or death.

All Models

NOTICE

Riding the motorcycle in extreme conditions, such as on wet and muddy roads, rough terrain or in dusty and humid environments, may lead to above average wear and damage of certain components.

Therefore the servicing and replacement of worn or damaged components may be necessary before the scheduled maintenance service is reached.

It is important that the motorcycle is inspected after riding in extreme conditions and any worn or damaged components are serviced or replaced.

Fuel and Exhaust Fumes

⚠ DANGER

Never start the engine or run the engine in a confined area.

Always operate the motorcycle in the open air or in an area with adequate ventilation.

Exhaust fumes are poisonous and will cause loss of consciousness and death within a short period of time.

⚠ WARNING

GASOLINE IS HIGHLY FLAMMABLE:

- Always turn off the engine when refueling.

- Pay full attention and remain alert while refueling.

- Do not refuel or open the fuel filler cap while smoking or in the vicinity of any open (naked) flame.

- Take care not to spill any gasoline on the engine, exhaust pipes or mufflers when refueling.

- If gas is swallowed, inhaled or allowed to get into the eyes, seek immediate medical attention.

- Spillage on the skin should be immediately washed off with soap and water and clothing contaminated with gas should immediately be removed.

- Burns and other serious skin conditions may result from contact with gas.

Failure to follow the advice above could result in serious injury or death.

Helmet and Clothing



⚠ DANGER

A helmet is one of the most important pieces of riding gear as it offers protection against head injuries. You and your passenger's helmet should be carefully chosen and should fit you or your passenger's head comfortably and securely. A brightly colored helmet will increase a rider's (or passenger's) visibility to other operators of road vehicles.

An open face helmet offers some protection in an accident, though a full face helmet will offer more.

Always wear a visor or approved goggles to help vision and to protect your eyes.

Failure to follow the advice above will result in serious injury or death.

⚠ WARNING

When riding the motorcycle, both rider and passenger (on models where carrying a passenger is permitted) must always wear appropriate clothing including a motorcycle helmet, eye protection, gloves, boots, trousers (close fitting around the knee and ankle) and a brightly colored jacket.

During off-road use (on models suitable for off-road use), the rider must always wear appropriate clothing including trousers and boots.

Brightly colored clothing will considerably increase a rider's (or passenger's) visibility to other operators of road vehicles.

Although full protection is not possible, wearing correct protective clothing can reduce the risk of serious injury or death.

When choosing a helmet, always look for a DOT (Department of Transport) sticker indicating that the helmet has DOT approval. Do not buy a helmet without DOT approval.

Maintenance and Equipment

⚠ WARNING

Whenever there is doubt as to the correct or safe operation of this motorcycle, contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Operation of an incorrectly performing motorcycle may aggravate a fault and may also compromise safety.

Continued operation of an incorrectly performing motorcycle may affect the handling, stability or other aspects of the motorcycle operation, leading to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Make sure all equipment that is required by law is installed and functioning correctly.

The removal or alteration of the motorcycle's lights, mufflers, emission or noise control systems can violate the law.

Incorrect or improper modification may affect the handling, stability or other aspects of the motorcycle's operation, leading to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

If the motorcycle is involved in an accident, collision or fall, it must be taken for inspection and repair.

Inspections and repairs must be completed by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Any accident can cause damage to the motorcycle that, if not correctly repaired, may cause a second accident, which could result in serious injury or death.

Parking

⚠ WARNING

Always switch off the engine and remove the ignition key before leaving the motorcycle unattended. By removing the key, the risk of use of the motorcycle by unauthorized or untrained persons is reduced.

When parking the motorcycle, always remember the following:

- Engage first gear to help prevent the motorcycle from rolling off the stand.

- The engine, radiator, exhaust system, rear suspension unit and brakes will be hot after riding. DO NOT park where pedestrians, animals and/or children are likely to touch the motorcycle.

- Do not park on soft ground or on a steeply inclined surface. Parking under these conditions may cause the motorcycle to fall over.

For further details, refer to the How to Ride the Motorcycle section of this Owner's Handbook.

Failure to follow the advice above could result in damage to property, serious injury or death.

Riding

⚠ DANGER

Never ride the motorcycle when fatigued or under the influence of alcohol or other drugs.

Riding when under the influence of alcohol or other drugs is illegal.

Riding when fatigued or under the influence of alcohol or other drugs reduces the rider's ability to maintain control, leading to loss of motorcycle control, which will result in serious injury or death.

⚠ WARNING

All riders must be licensed to operate the motorcycle.

Operation of the motorcycle without a license is illegal and could lead to prosecution.

Operation of the motorcycle without formal training in the correct riding techniques that are necessary to become licensed is dangerous.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Always ride defensively and wear the protective equipment mentioned elsewhere in this Safety First section.

Remember, in an accident, a motorcycle does not give the same impact protection as a car.

Failure to follow the advice above could result in serious injury or death.

⚠ WARNING

This motorcycle should be operated within the legal speed limits for the particular road traveled.

Riding a motorcycle at high speeds can be dangerous since the time available to react to a hazard is greatly reduced at high speeds.

Always reduce speed in potentially hazardous driving conditions, such as bad weather or heavy traffic.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Continually observe and react to changes in road surface, traffic and wind conditions. All two-wheeled vehicles are subject to external forces, which may affect the handling, stability or other aspects of the motorcycle's operation.

These forces include but are not limited to:

- Wind draft from passing vehicles

- Potholes, uneven or damaged road surfaces

- Bad weather

- Rider error.

Always operate the motorcycle at moderate speed and away from heavy traffic until you have become thoroughly familiar with its handling and operating characteristics. Never exceed the legal speed limit.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

Wobble/Weave

A weave is a relatively slow oscillation of the rear of the motorcycle, while a wobble is a rapid, possibly strong shaking of the handlebar. These are related but distinct stability problems, usually caused by excessive weight in the wrong place, or by a mechanical problem such as worn or loose bearings or under-inflated or unevenly worn tires.

Your solution to both situations is the same. Keep a firm hold on the handlebars without locking arms or fighting the steering. Smoothly ease off the throttle to slow gradually. Do not apply the brakes, and do not accelerate to try to stop the wobble or weave. In some cases, it helps to shift your body weight forward by leaning over the tank.

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Handlebars and Footrests

⚠ WARNING

The rider must maintain control of the motorcycle by keeping hands on the handlebars at all times.

The handling and stability of a motorcycle will be affected if the rider removes their hands from the handlebars.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

The rider and passenger (if applicable) must always use the footrests provided, during operation of the motorcycle.

By using the footrests, both rider and passenger will reduce the risk of inadvertent contact with any motorcycle components and will also reduce the risk of injury from entrapment of clothing.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Always make sure that the passenger footrests are fully extended when carrying a passenger.

Never carry a passenger without them using the fully extended passenger footrests.

Incorrect foot placement anywhere on the motorcycle instead of using the footrests may cause:

- The passenger's feet or clothing to become trapped

- The passenger to be in contact with hot exhaust pipes.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in damage to property, serious injury or death.

⚠ WARNING

The bank angle indicators must not be used as a guide to how far the motorcycle may be safely banked.

This depends on many various conditions including, but not limited to:

- Road surface

- Tire condition

- Weather.

Banking to an unsafe angle may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Always replace the bank angle indicators before they are worn to their maximum limit.

Use of a motorcycle with bank angle indicators worn beyond the maximum limit will allow the motorcycle to be banked to an unsafe angle.

Banking to an unsafe angle may lead to loss of motorcycle control which could result in serious injury or death.

⚠ WARNING

When banking and the bank angle indicator, attached to the rider's footrest, makes contact with the ground, the motorcycle is nearing its bank angle limit.

A further increase of the banking angle is unsafe.

Banking to an unsafe angle may lead to loss of motorcycle control which could result in serious injury or death.

Parts and Accessories

⚠ WARNING

Owners should be aware that the only approved parts, accessories and conversions for any Triumph motorcycle are those that carry official Triumph approval.

We recommend accessories and conversions be completed by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

In particular, it is extremely hazardous to install or replace parts or accessories whose installation requires the dismantling of, or addition to, either the electrical or fuel systems. Any such modification could cause a safety hazard.

The installation of any non-approved parts, accessories or conversions may affect the handling, stability or other aspects of the motorcycle's operation, leading to loss of motorcycle control, which could result in serious injury or death.

Triumph does not accept any liability whatsoever for defects caused by the installation of non-approved parts, accessories or conversions.

Triumph does not accept any liability whatsoever for defects caused by the incorrect installation of approved parts, accessories or conversions.

WARNING LABELS

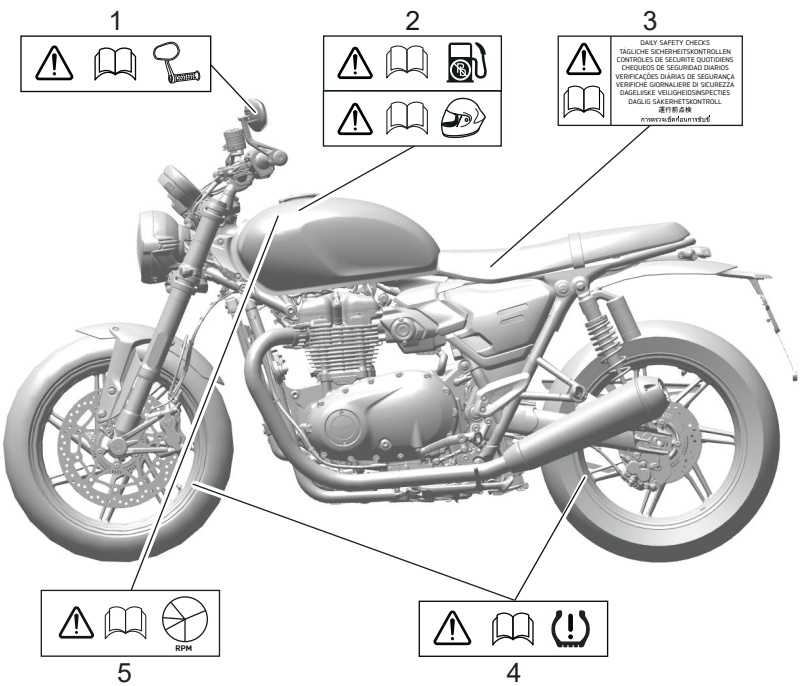
Speed Twin 1200 and Speed Twin 1200 RS

Speed Twin 1200 shown

Left Hand Side

NOTICE

The labels detailed on this and the following pages draw your attention to important safety information in this handbook. Before riding, make sure that you have understood and complied with all the information to which these labels relate.

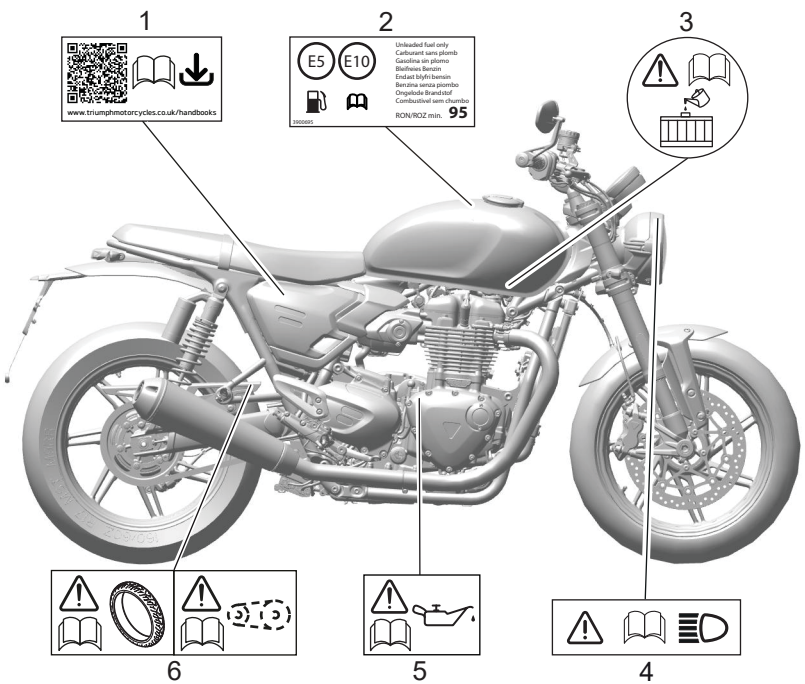


1. **Bar End Mirrors (page 204)**
2. **Unleaded Fuel (page 114) and Helmet (page 11)**
3. **Daily Safety Checks (page 142)**
4. **Tire Pressure Monitoring System (if equipped) (page 124)**
5. **Breaking-In (page 141)**

Right Hand Side

NOTICE

All warning labels and decals, with the exception of the Breaking-in label, are mounted on the motorcycle using a strong adhesive. In some cases, labels are installed prior to an application of paint lacquer. Therefore, any attempt to remove the warning labels will cause damage to the paintwork or bodywork.



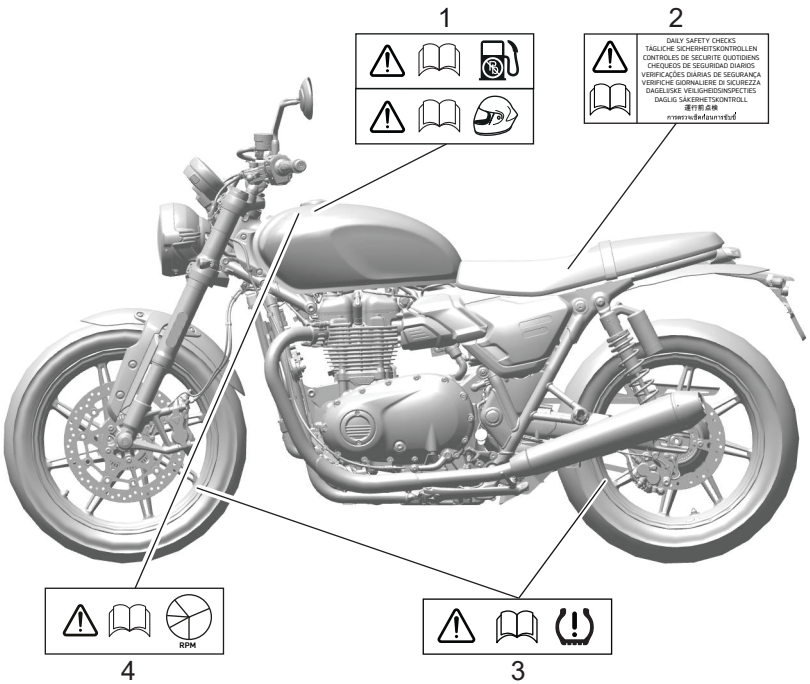
1. **Owner's Handbook Download Details (behind right hand side panel)**
2. **E5 and E10 Fuel (if equipped) (page 114)**
3. **Coolant Pressure Cap (page 179)**
4. **Headlight (page 239)**
5. **Engine Oil (page 174)**
6. **Tires (page 219) and Drive Chain (page 186)**

WARNING LABELS

Speed Twin 900

Left Hand Side

NOTICE
The labels detailed on this and the following pages draw your attention to important safety information in this handbook. Before riding, make sure that you have understood and complied with all the information to which these labels relate.

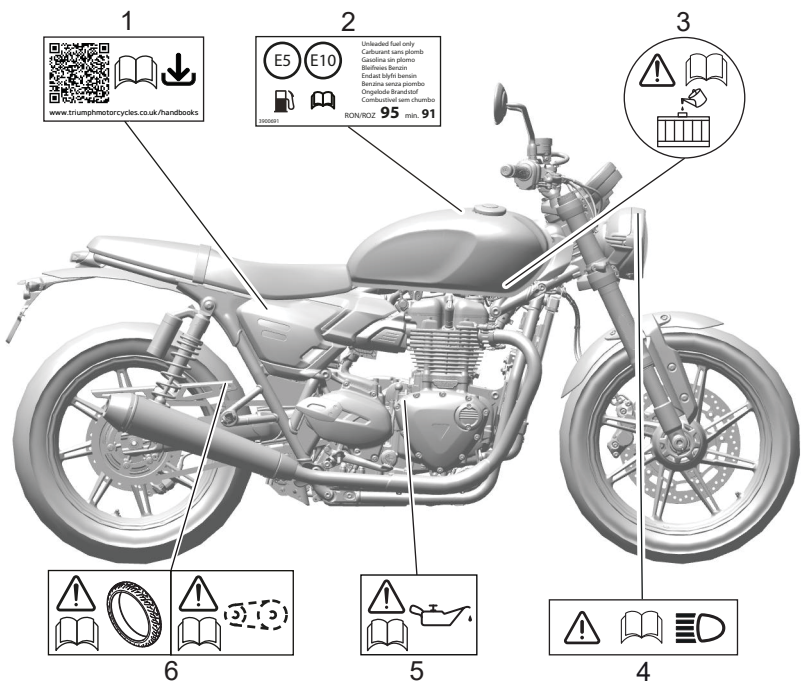


1. **Unleaded Fuel (page 114) and Helmet (page 11)**
2. **Daily Safety Checks (page 142)**
3. **Tire Pressure Monitoring System (if equipped) (page 124)**
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Right Hand Side

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5. **Engine Oil (page 174)**
6. **Tires (page 219) and Drive Chain (page 186)**

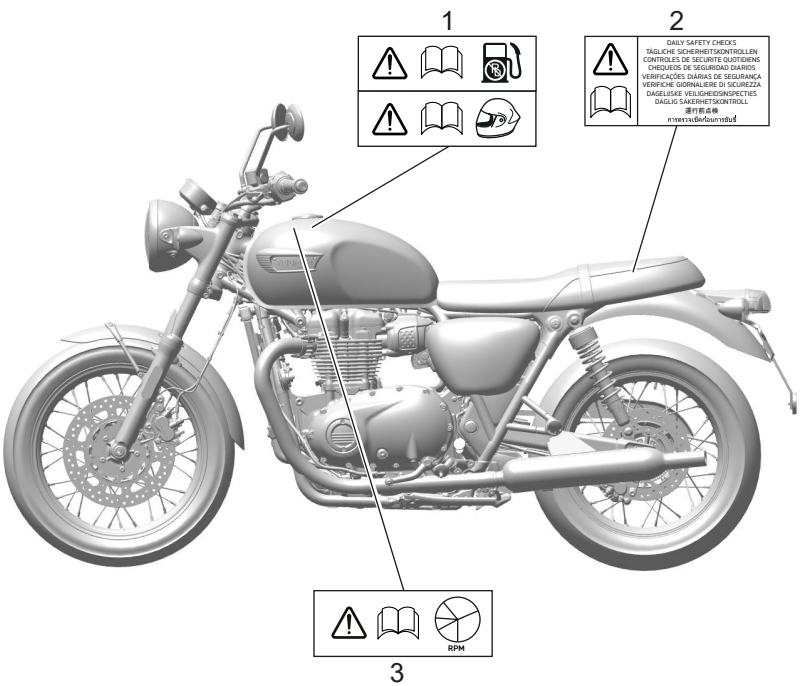
WARNING LABELS

Bonneville T100, Bonneville T120 and Bonneville T120 Black

Bonneville T100 shown

Left Hand Side

NOTICE
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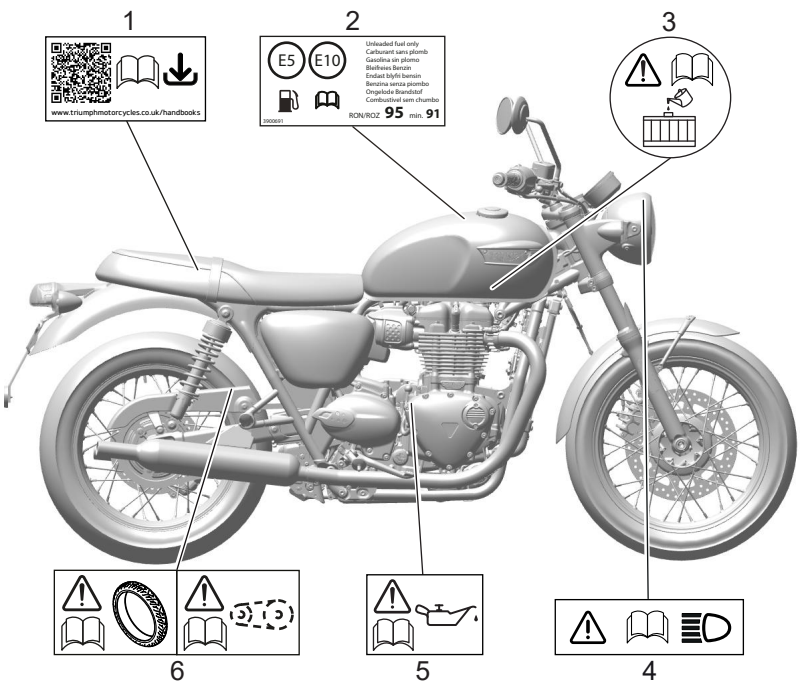


1. **Unleaded Fuel (page 114) and Helmet (page 11)**
2. **Daily Safety Checks (page 142)**
3. **Breaking-In (page 141)**

Right Hand Side

NOTICE

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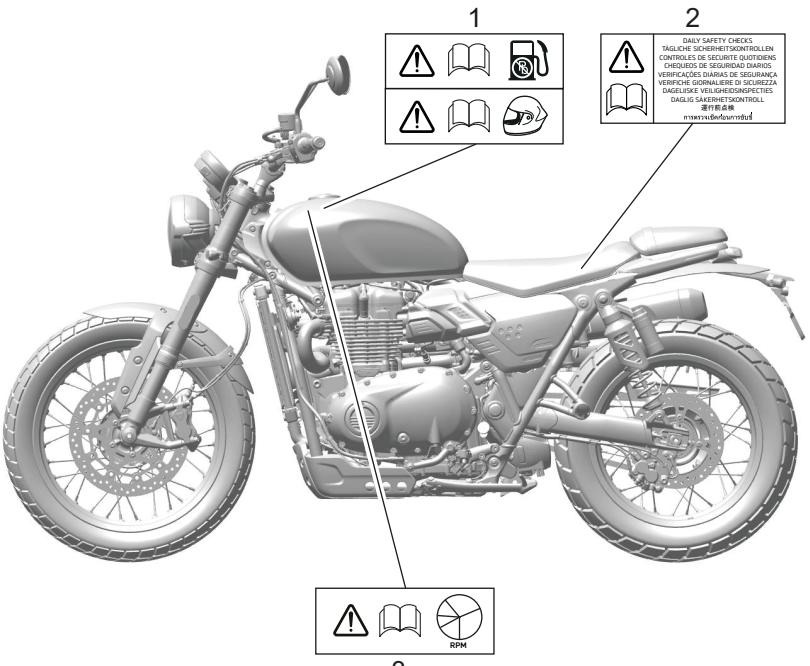
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3. **Coolant Pressure Cap (page 179)**
4. **Headlight (page 239)**
5. **Engine Oil (page 174)**
6. **Tires (page 219) and Drive Chain (page 186)**

WARNING LABELS

Scrambler 900

Left Hand Side

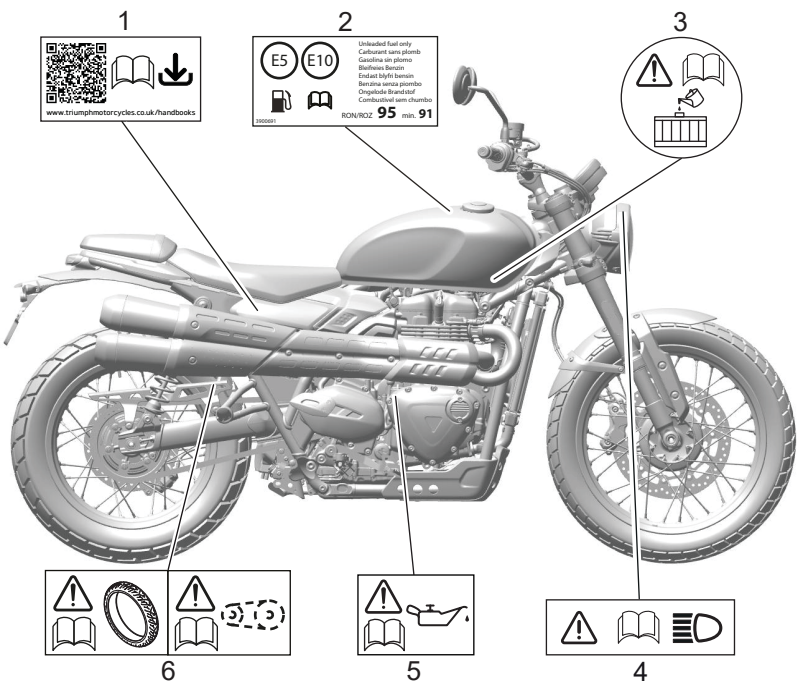
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Right Hand Side

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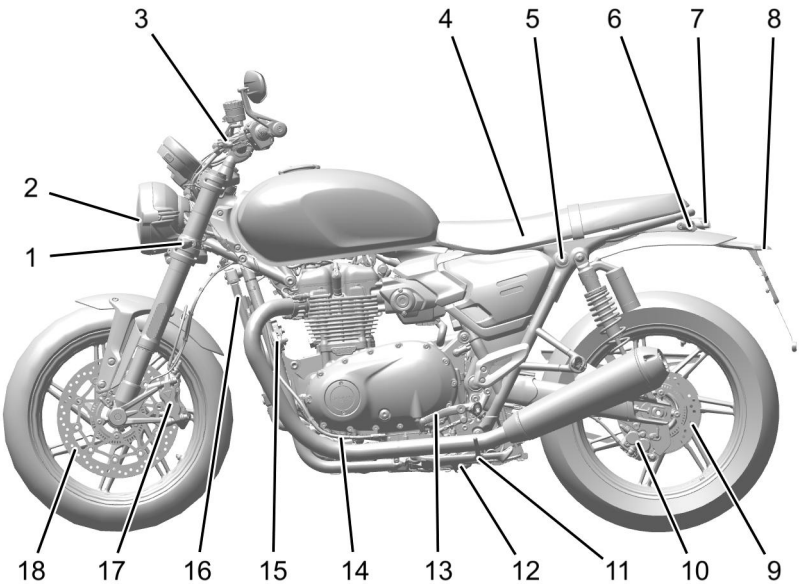
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PARTS IDENTIFICATION

Speed Twin 1200 and Speed Twin 1200 RS

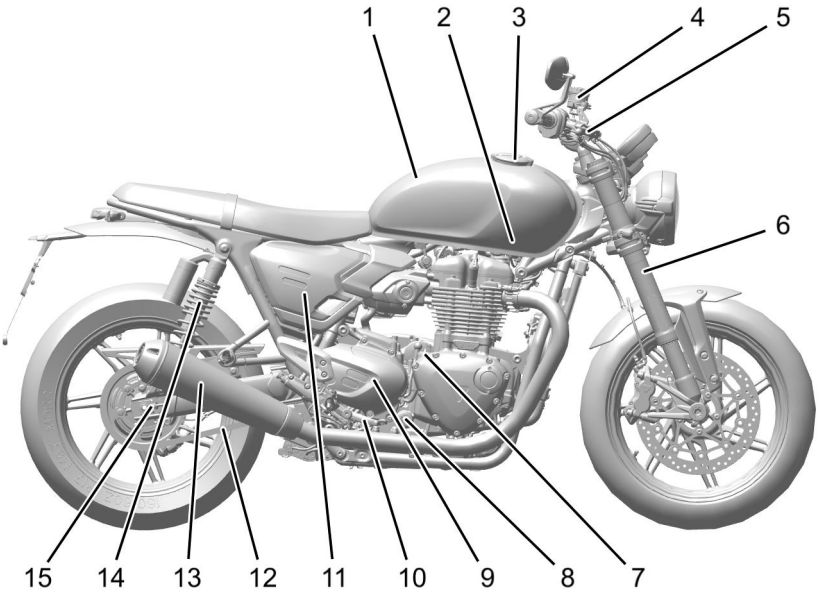
Speed Twin 1200 shown

Left Hand Side



1. Front turn signal
2. Headlight
3. Clutch lever
4. Battery (under seat)
5. Seat lock
6. Rear turn signal
7. Rear/brake light
8. License plate light
9. Rear brake disc
10. Rear brake caliper
11. Side stand
12. Oil filter
13. Gear shift pedal
14. Clutch cable
15. Horn
16. Radiator
17. Front brake caliper
18. Front brake disc

Right Hand Side

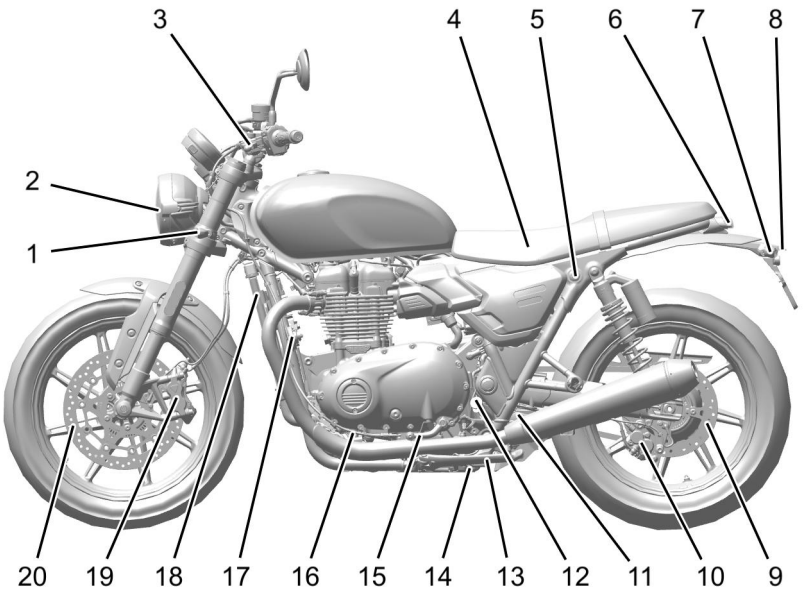


1. Fuel tank
2. Coolant pressure cap (under fuel tank)
3. Fuel filler cap
4. Front brake fluid reservoir
5. Front brake lever
6. Front fork
7. Oil filler plug
8. Oil level sight glass
9. Coolant expansion tank (behind sprocket cover)
10. Rear brake pedal
11. Rear brake fluid reservoir (behind side panel)
12. Drive chain
13. Muffler
14. Rear suspension unit
15. Drive chain adjuster

PARTS IDENTIFICATION

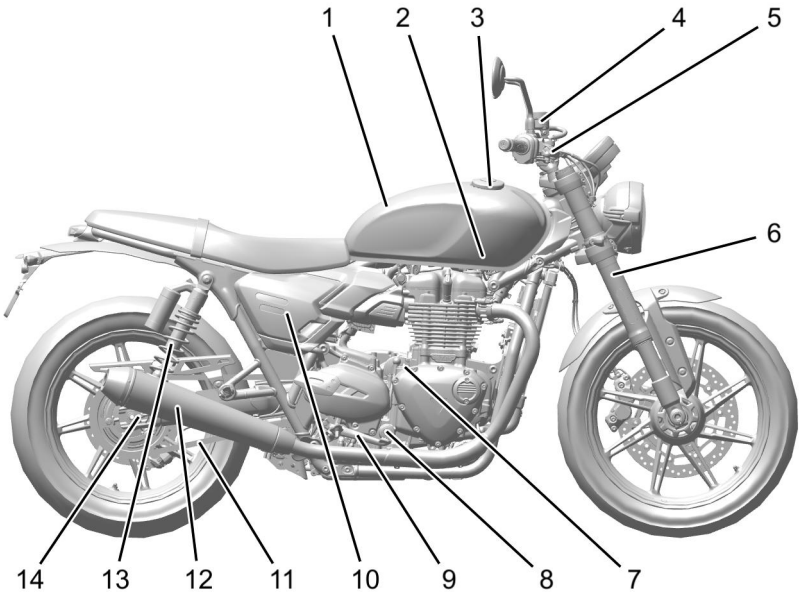
Speed Twin 900

Left Hand Side



1. Front turn signal
2. Headlight
3. Clutch lever
4. Battery (under seat)
5. Seat lock
6. Rear/brake light
7. Rear turn signal
8. License plate light
9. Rear brake disc
10. Rear brake caliper
11. Coolant expansion tank
12. Coolant expansion tank cap
13. Side stand
14. Oil filter
15. Gear shift pedal
16. Clutch cable
17. Horn
18. Radiator
19. Front brake caliper
20. Front brake disc

Right Hand Side



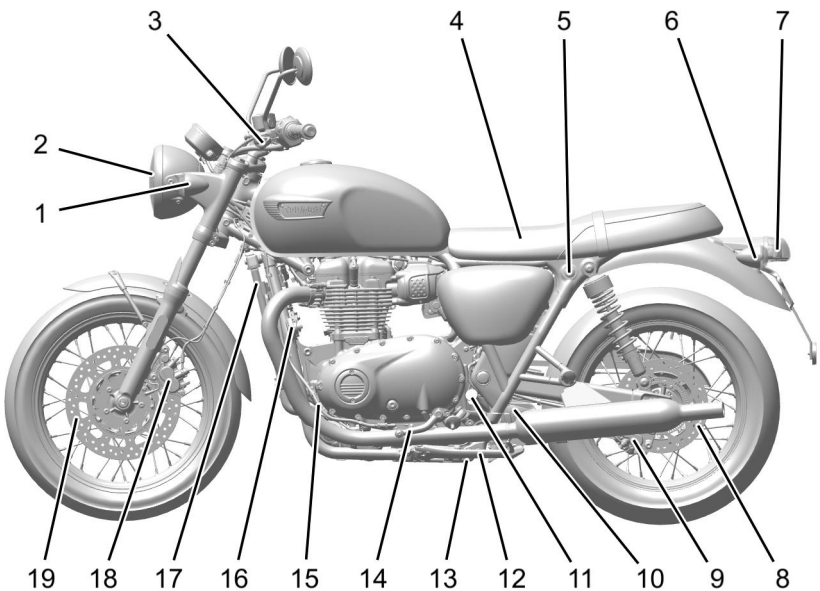
1. Fuel tank
2. Coolant pressure cap (under fuel tank)
3. Fuel filler cap
4. Front brake fluid reservoir
5. Front brake lever
6. Front fork
7. Oil filler plug
8. Oil level sight glass
9. Rear brake pedal
10. Rear brake fluid reservoir (behind side panel)
11. Drive chain
12. Muffler
13. Rear suspension unit
14. Drive chain adjuster

PARTS IDENTIFICATION

Bonneville T100, Bonneville T120 and Bonneville T120 Black

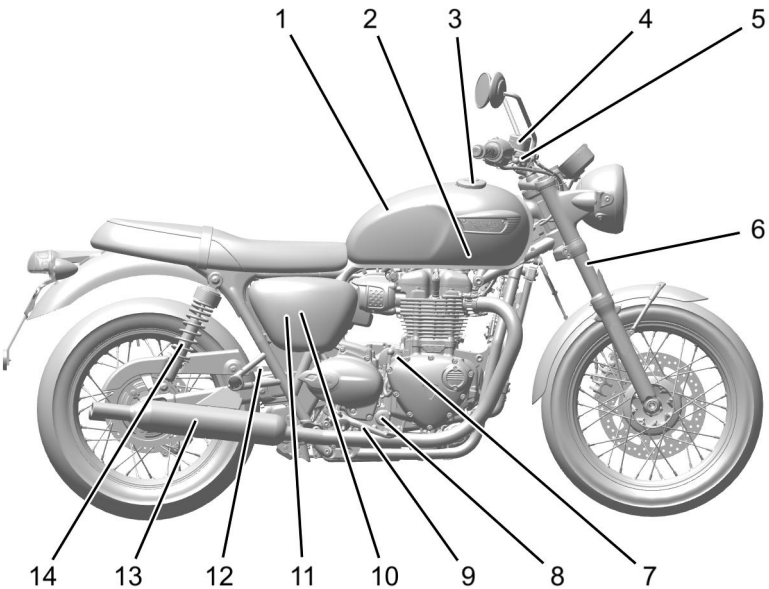
Bonneville T100 shown

Left Hand Side



1. Front turn signal
2. Headlight
3. Clutch lever
4. Battery (under seat)
5. Seat lock
6. Rear turn signal
7. Rear/brake light
8. Rear brake disc
9. Rear brake caliper
10. Coolant expansion tank
11. Coolant expansion tank cap
12. Side stand
13. Oil filter
14. Gear shift pedal
15. Clutch cable
16. Horn
17. Radiator
18. Front brake caliper
19. Front brake disc

Right Hand Side

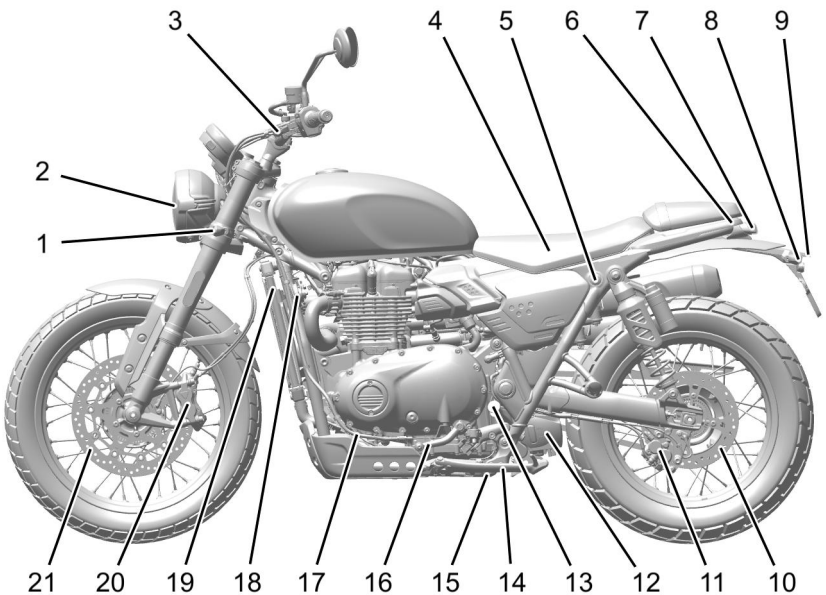


1. Fuel tank
2. Coolant pressure cap (under fuel tank)
3. Fuel filler cap
4. Front brake fluid reservoir
5. Front brake lever
6. Front fork
7. Oil filler plug
8. Oil level sight glass
9. Rear brake pedal
10. Adjustment tool (behind side panel)
11. Rear brake fluid reservoir (behind side panel)
12. Drive chain
13. Muffler
14. Rear suspension unit

PARTS IDENTIFICATION

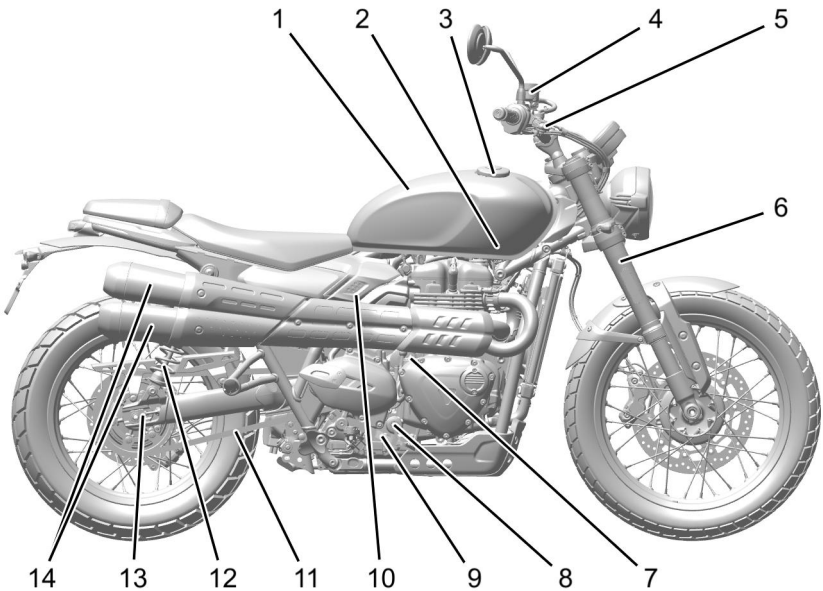
Scrambler 900

Left Hand Side



1. Front turn signal
2. Headlight
3. Clutch lever
4. Battery (under seat)
5. Rider's seat lock
6. Passenger seat lock release (clipped to underside of frame cowl)
7. Rear/brake light
8. Rear turn signal
9. License plate light
10. Rear brake disc
11. Rear brake caliper
12. Coolant expansion tank
13. Coolant expansion tank cap
14. Side stand
15. Oil filter
16. Gear shift pedal
17. Clutch cable
18. Horn
19. Radiator
20. Front brake caliper
21. Front brake disc

Right Hand Side



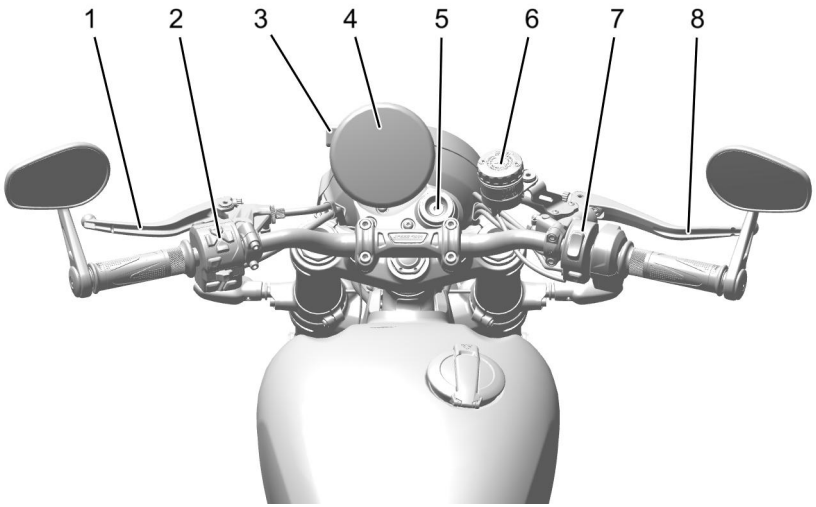
1. Fuel tank
2. Coolant pressure cap (under fuel tank)
3. Fuel filler cap
4. Front brake fluid reservoir
5. Front brake lever
6. Front fork
7. Oil filler plug
8. Oil level sight glass
9. Rear brake pedal
10. Rear brake fluid reservoir (behind side panel)
11. Drive chain
12. Rear suspension unit
13. Drive chain adjuster
14. Mufflers

PARTS IDENTIFICATION

Rider View Parts Identification

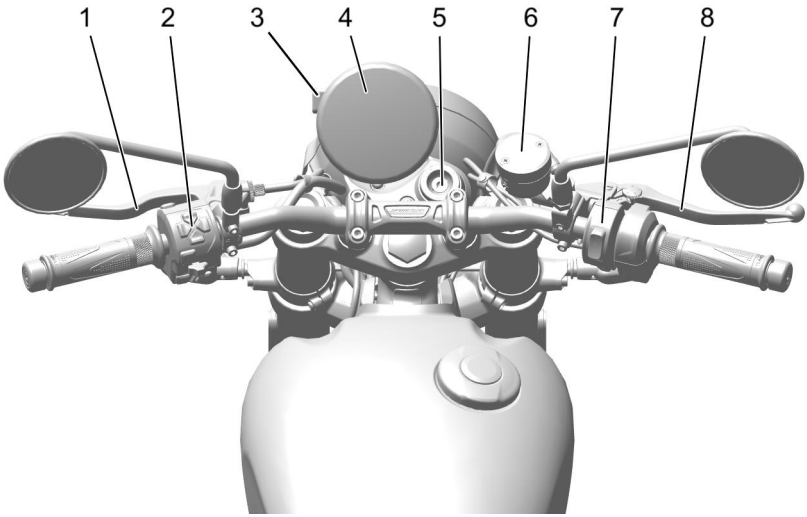
Speed Twin 1200 and Speed Twin 1200 RS

Speed Twin 1200 shown



1. **Clutch lever**
2. **Left hand switch housing, see page 110**
3. **USB-C socket**
4. **Instruments**
5. **Ignition switch**
6. **Front brake fluid reservoir**
7. **Right hand switch housing, see page 108**
8. **Front brake lever**

Speed Twin 900

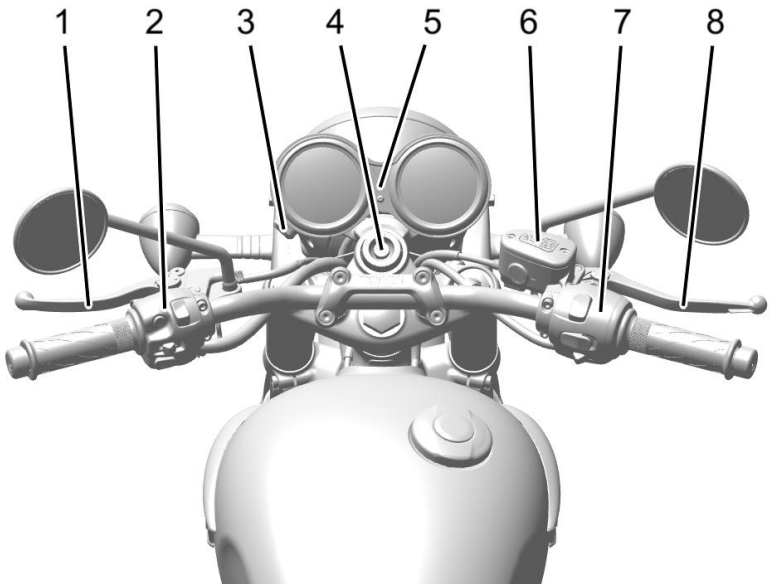


1. Clutch lever
2. Left hand switch housing, see page 110
3. USB-C socket
4. Instruments
5. Ignition switch
6. Front brake fluid reservoir
7. Right hand switch housing, see page 108
8. Front brake lever

PARTS IDENTIFICATION

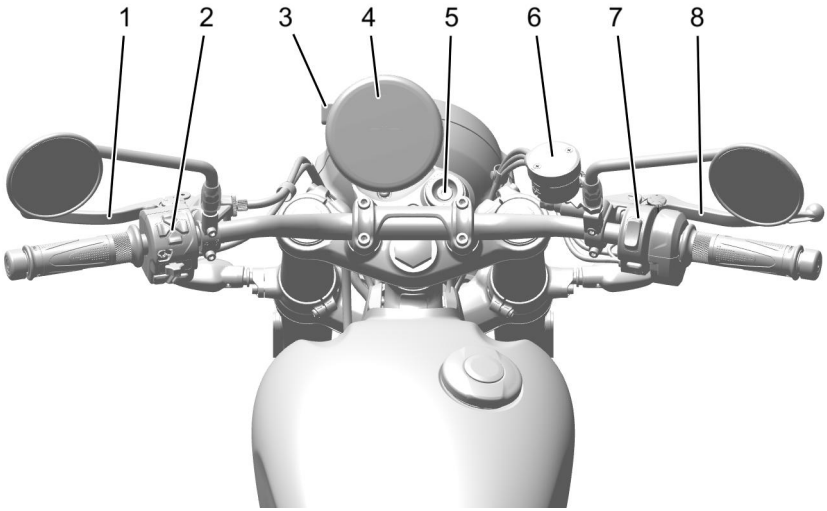
Bonneville T100, Bonneville T120 and Bonneville T120 Black

Bonneville T100 shown



1. **Clutch lever**
2. **Left hand switch housing, see page 112**
3. **USB-C socket**
4. **Ignition switch**
5. **Instruments**
6. **Front brake fluid reservoir**
7. **Right hand switch housing, see page 109**
8. **Front brake lever**

Scrambler 900

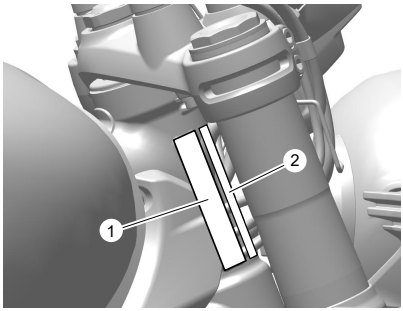


1. Clutch lever
2. Left hand switch housing, see page 110
3. USB-C socket
4. Instruments
5. Ignition switch
6. Front brake fluid reservoir
7. Right hand switch housing, see page 108
8. Front brake lever

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Vehicle Identification Number (VIN)

The Vehicle Identification Number (VIN) is stamped into the steering head. The VIN is also shown on a label attached to the front of the steering head.

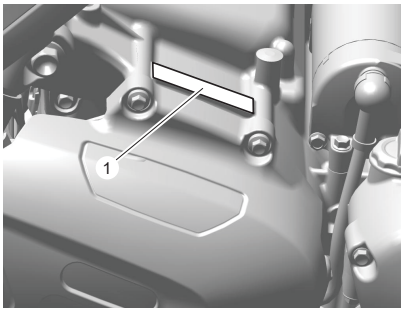


1. **VIN stamp (Speed Twin 1200 shown)**
2. **VIN label**

Record the VIN in the space provided in the Motorcycle Service Handbook.

Engine Serial Number

The engine serial number is stamped on the upper engine crankcase, towards the rear, and is visible from the right hand side of the motorcycle.



1. **Engine serial number (Speed Twin 1200 shown)**

Record the engine serial number in the space provided in the Motorcycle Service Handbook.

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Table of Contents

Instruments - Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900 42
- Instruments Display 43
- Warning Lights 44
- Warning and Information Messages 50
- Speedometer 53
- Odometer 53
- Tachometer 53
- Fuel Gauge 54
- Coolant Temperature Gauge 54
- Ambient Air Temperature 55
- Gear Position 56
- Display Navigation 57
- Riding Modes 57
- Information Tray 62
- Main Menu 66

Instruments - Bonneville T100, Bonneville T120 and Bonneville T120 Black 82
- Instruments Display 83
- Warning Lights 84
- Speedometer 90
- Odometer 90
- Tachometer 90
- Fuel Gauge 91
- Range to Empty 91
- Gear Position 92
- Trip Meter 92
- Clock 93
- Service Interval 94
- Average Fuel Consumption 94
- Riding Modes 95

INSTRUMENTS

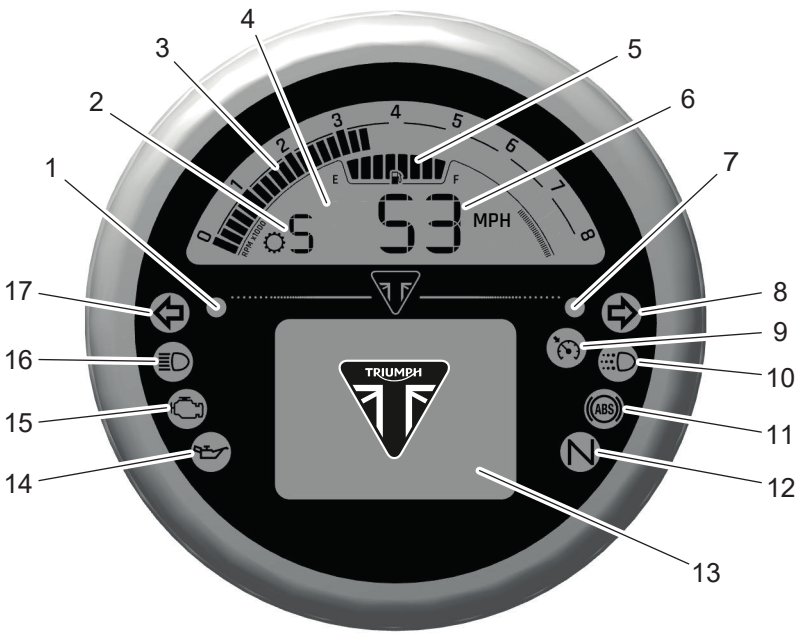
Instruments - Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900

Table of Contents

Instruments Display 43
Warning Lights 44
Warning and Information Messages 50
Speedometer 53
Odometer 53
Tachometer 53
Fuel Gauge 54
Coolant Temperature Gauge 54
Ambient Air Temperature 55
Gear Position 56
Display Navigation 57
Riding Modes 57
Information Tray 62
Main Menu 66

Instruments Display

The instruments are illustrated for the UK market specification. Other markets will display different units, see page 78.



1. Engine immobilizer/Alarm indicator light (alarm is an accessory kit)
2. Gear position
3. Tachometer
4. LCD screen
5. Fuel gage
6. Speedometer
7. Ambient light sensor
8. Right hand turn signal light
9. Cruise control indicator light (if equipped)
10. Daytime Running Lights (DRL) indicator light (if equipped)
11. Anti-lock Braking System (ABS) warning light
12. Neutral indicator light
13. TFT screen/information tray
14. Low oil pressure warning light
15. Engine management system Malfunction Indicator Light (MIL)
16. High beam indicator light
17. Left hand turn signal light

Warning Lights

NOTICE

If a red warning light is shown, the motorcycle must be stopped immediately.

If an amber warning light is shown, the motorcycle does not need to be stopped immediately.

Always read any warning messages and rectify the issue.

When the ignition is switched on, the instrument warning lights will illuminate for 1.5 seconds and will then go off (except those which remain on until the engine starts, as described in the following pages).

For additional warning information, see page 50.

Engine Management System Malfunction Indicator Light (MIL)

⚠ WARNING

Reduce speed and do not continue to ride for longer than is necessary with the Malfunction Indicator Light (MIL) illuminated. The fault may affect engine performance, exhaust emissions and fuel consumption.

The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Reduced engine performance could cause a dangerous riding condition, leading to loss of motorcycle control which could result in serious injury or death.



The Malfunction Indicator Light (MIL) for the engine management system illuminates when the ignition is switched ON (to indicate that it is working), but should not become illuminated when the engine is running.

If the engine is running and there is a fault with the engine management system, the MIL will be illuminated and the general warning symbol will flash. In such circumstances, the engine management system may switch to 'limp-home' mode so that the journey may be completed, if the fault is not so severe that the engine will not run.

If the MIL flashes when the ignition is switched ON, contact an authorized Triumph dealer as soon as possible to have the situation rectified. In these circumstances the engine will not start.

Low Oil Pressure Warning Light

NOTICE

If the engine oil pressure is too low, the low oil pressure warning light will illuminate.

If the low oil pressure indicator remains on, stop the engine immediately and investigate the situation.

Running the engine with low oil pressure will cause severe engine damage.



With the engine running, if the engine oil pressure becomes dangerously low, the low oil pressure warning light will illuminate. The low oil pressure warning light will also illuminate if the ignition is switched ON without running the engine.

High Coolant Temperature Warning Light

NOTICE

Stop the engine immediately if the high coolant temperature warning light illuminates.

Do not restart the engine until the fault has been rectified.

Severe engine damage will result from running the engine when the high coolant temperature warning light is illuminated.



With the engine running, if the engine coolant temperature becomes dangerously high, the high coolant temperature warning light will illuminate.

Engine Immobilizer / Alarm Indicator Light

This motorcycle is equipped with an engine immobilizer, which is activated when the ignition switch is turned to the OFF position.

Not Equipped With Alarm

When the ignition switch is turned to the OFF position, the engine immobilizer/alarm light will flash on and off for 24 hours to show that the engine immobilizer is on. When the ignition switch is turned to the ON position, the engine immobilizer and the indicator light will be off.

If the indicator light remains on, it indicates that the engine immobilizer has a malfunction that requires investigation. The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Equipped With Alarm

The engine immobilizer/alarm light will only illuminate when the conditions described in the genuine Triumph accessory alarm instructions are met.

Anti-lock Braking System (ABS) Warning Light

⚠ WARNING

If the Anti-lock Brake System (ABS) is not functioning, the brake system will continue to function as a non-ABS equipped brake system. Do not continue to ride for longer than is necessary with the ABS warning light illuminated.

The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Braking too hard will cause the wheels to lock, leading to loss of motorcycle control, which could result in serious injury or death.

NOTICE

Traction control will not function if there is a malfunction with the ABS. The warning lights for the ABS, traction control and the MIL will be illuminated.

When the ignition switch is turned to the ON position, it is normal that the ABS warning light will flash on and off. The light will continue to flash after engine start-up until the motorcycle first reaches a speed exceeding 6 mph (10 km/h) when it will go off.

The warning light should not illuminate again until the engine is restarted unless there is a fault.

If the warning light becomes illuminated at any time while riding it indicates that the ABS has a malfunction that requires investigation.

Cruise Control Indicator Light (if equipped)



The cruise control (if equipped) can only be activated when the motorcycle is traveling at a speed between 19 to 100 mph (30 to 160 km/h) and is in 2nd gear or higher. When activated, the cruise control indicator light will be shown in green.

Traction Control (TC) Indicator Light

⚠ WARNING

If the traction control is not functioning, care must be taken when accelerating and cornering on wet/slippery road surfaces to avoid rear wheel spin. Do not continue to ride for longer than is necessary with the engine management system Malfunction Indicator Light (MIL) and traction control warning lights illuminated.

The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Hard acceleration and cornering may cause the rear wheel to spin, leading to loss of motorcycle control which could result in serious injury or death.

NOTICE

Traction control will not function if there is a malfunction with the ABS. The warning lights for the ABS, traction control and the MIL will be illuminated.



The Traction Control (TC) indicator light is used to indicate that the traction control system is active and is working to limit rear wheel slip during periods of hard acceleration or under wet or slippery road conditions.

If traction control is switched on:

- Under normal riding conditions the TC indicator light will remain off.
- The TC indicator light will flash rapidly when the traction control system is working to limit rear wheel slip during periods of hard acceleration or under wet or slippery road conditions.

If traction control is switched off:

- The TC indicator light will not illuminate. Instead the TC disabled warning light will be illuminated.

Traction Control (TC) Disabled Warning Light



The Traction Control (TC) disabled warning light should not illuminate unless traction control is switched off, or there is a malfunction.

If the warning light becomes illuminated while riding, it indicates that the traction control system has a malfunction that requires investigation. The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Turn signal Light



When the turn signal switch is turned to the left or right, the turn signal light will flash on and off at the same speed as the turn signals.

Hazard Warning Lights



When the hazard warning lights button is turned on, the turn signal lights will flash on and off at the same speed as the turn signals.

High Beam Indicator Light



When the ignition is switched ON and the high beam is selected, the high beam indicator light will illuminate.

Daytime Running Lights (DRL) Indicator Light (if equipped)



The Daytime Running Lights (DRL) indicator light will only illuminate when the DRL is on.

During daylight hours, the daytime running lights improve the visibility of the motorcycle to other road users. Dipped beam headlights must be used in any other conditions unless the road conditions allow for high beam headlights to be used.

When the dipped beam headlight is on, the DRL indicator light will be off.

The automatic dipped beam/DRL headlights are operated manually using a button on the left hand switch housing.

Neutral Indicator Light



The neutral indicator light indicates when the transmission is in neutral (no gear selected). The indicator light will illuminate when the transmission is in neutral with the ignition switch in the ON position.

Low Fuel Indicator Light



The low fuel indicator light will illuminate when there is an approximate level of fuel remaining in the tank, as specified in the Specifications section.

Tire Pressure Warning Light (if equipped with TPMS)

⚠ WARNING

Stop the motorcycle if the tire pressure warning light illuminates.

Do not ride the motorcycle until the tires have been checked and the tire pressures are at their recommended pressure when cold.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

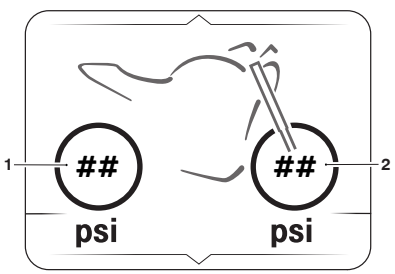


The tire pressure warning light works with the Tire Pressure Monitoring System (TPMS), see page 124.

The warning light will only illuminate when the front or rear tire pressure is below the recommended pressure. It will not illuminate if the tire is over inflated.

When the warning light is illuminated, the Tire Pressure display will show which tire is the deflated tire. It will also show the tire pressure.

The tire pressure at which the warning light illuminates is temperature compensated to 68°F (20°C) but the numeric pressure display associated with it is not (see page 221). Even if the numeric display seems at or close to the standard tire pressure when the warning light is on, a low tire pressure is indicated and a puncture is the most likely cause.



1. **Rear tire pressure indicator**
2. **Front tire pressure indicator**

Low Battery Warning Light

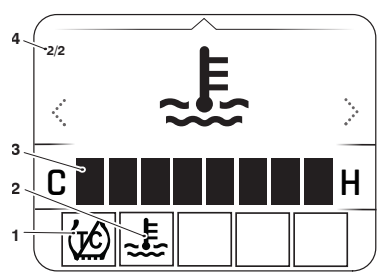
If items such as heated grips are equipped and are on with the engine at idle, over a period of time, the battery voltage may drop below a predetermined voltage and a warning message will be shown.

General Warning Symbol

The general warning symbol will flash if an ABS or engine management fault has occurred and the ABS and/or MIL warning lights are illuminated. The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Warning and Information Messages

It is possible for multiple warning and information messages to be shown when a fault occurs. Where this is the case, warning messages will take priority over information messages and the warning symbol(s) will be shown on the display. The number of currently active warning messages is shown in the information tray.



1. **Traction control warning symbol (amber indicator)**
2. **Coolant temperature warning symbol (red indicator)**
3. **Coolant temperature gage**
4. **Second of two warnings shown**

NOTICE

The following warning lights and messages may be shown if a fault is detected on the motorcycle.

Warning Lights and Messages	
	Low oil pressure warning light (red indicator)
	Battery low/Starter motor disabled warning light (red indicator)
	Coolant temperature warning light (red indicator)
	Tire Pressure Monitoring System (TPMS) sensor signal - front/rear tire (red or amber indicator)
	Tire Pressure Monitoring System (TPMS) battery low - front/rear tire warning light (red or amber indicator)
	Transmission fault TSA (amber indicator)
	Engine management Malfunction Indicator Light (MIL) (amber indicator)

Warning Lights and Messages	
	Optimized Cornering Anti-lock Brake System (OCABS) warning light (amber indicator)
	Optimized Cornering Anti-lock Brake System (OCABS) disabled warning light (amber indicator)
	Bulb failure warning light (amber indicator)
	Optimized Cornering Traction Control (OCTC) active indicator light (amber indicator)
	Optimized Cornering Traction Control (OCTC) - system disabled indicator light (amber indicator)
	General warning symbol/Service due/overdue indicator light (amber indicator)
	Immobilizer fault (amber indicator)

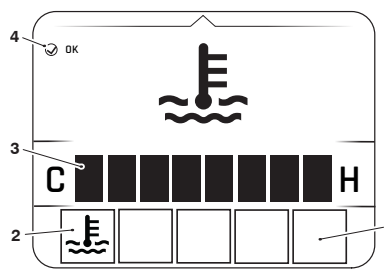
NOTICE

The following indicator lights and messages may be shown during normal operation of the motorcycle.

Information Lights and Messages	
	Hazard warning lights (red indicator)
	Low fuel level indicator light (amber indicator)
	Cruise control indicator light (amber or green indicator)
	Turn signal light (green indicator)
	Neutral indicator light (green indicator)
	Daytime Running Lights (DRL) indicator light (green indicator)
	High beam indicator light (blue indicator)
	Caution: low air temperature - risk of surface ice (blue or white indicator)

To view the warnings:

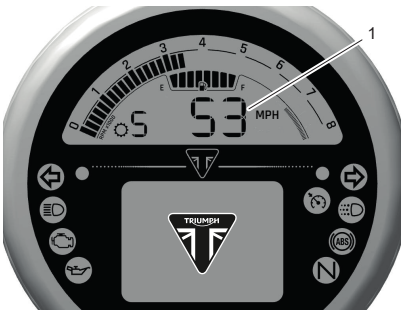
- Press the Up/Down button to scroll through the options until the warning message display is shown.
- Press the Left/Right button to review each warning message (if there is more than one). The warning message counter will show the amount of warning messages that are present.
- Press the Select button to acknowledge and hide each message.



1. **Warning symbol(s) display**
2. **Coolant temperature warning symbol (red indicator)**
3. **Coolant temperature gage**
4. **Press select button symbol**

Speedometer

The speedometer indicates the road speed of the motorcycle.



1. **Speedometer**

Odometer

The odometer shows the total distance that the motorcycle has traveled. The odometer is shown in the Service Interval display, see page 64.



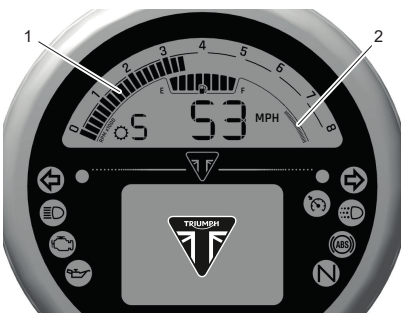
1. **Odometer**

Tachometer

NOTICE

Never allow engine speed to exceed the maximum engine speed as severe engine damage may result.

The tachometer shows the engine speed in revolutions per minute - rpm (r/min).

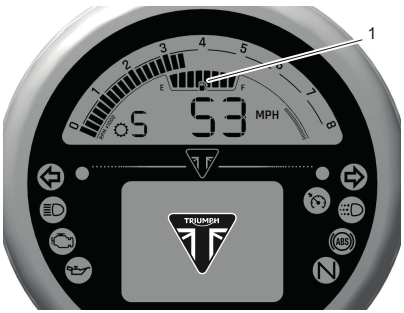


1. **Engine speed (rpm)**
2. **Maximum engine speed**

Engine speeds above the maximum engine speed are above the range for best engine performance and may result in engine damage.

Fuel Gauge

The fuel gage indicates the amount of fuel in the tank.



1. Fuel gage

With the ignition switched on, the number of bars shown in the display indicates the level of fuel remaining in the fuel tank.

When the fuel tank is full all eight bars are displayed and when empty, no bars are displayed. Other gage markings indicate intermediate fuel levels between E (Empty) and F (Full).

The low fuel indicator light will illuminate when the fuel remaining in the fuel tank is close to the approximate level as specified in the Specifications section, and you should refuel at the earliest opportunity.

The range to empty and instantaneous fuel consumption are shown in the Fuel Status display, see page 63.

NOTICE

After refueling, the fuel gage and range to empty information will be updated only while riding the motorcycle. Depending on the riding style, updating could take up to five minutes.

Coolant Temperature Gauge

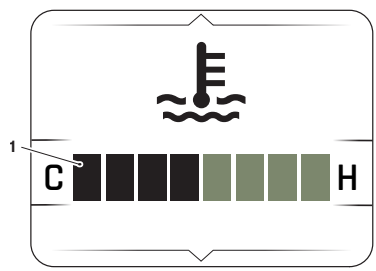
NOTICE

Stop the engine immediately if a high coolant temperature warning message is shown in the instrument tray.

Do not restart the engine until the fault has been rectified.

Severe engine damage will result from running the engine when a high coolant temperature warning message is shown.

The coolant temperature gage indicates the temperature of the engine coolant.

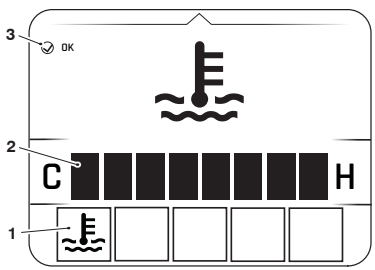


1. Coolant temperature gage

When the engine is started from cold, the display will show gray bars. As the temperature increases more bars in the display will be shown illuminated. When the engine is started from hot, the display will show the relevant number of illuminated bars, dependent on engine temperature.

The normal temperature range is between the C (Cold) and H (Hot) on the display.

With the engine running, if the engine coolant temperature becomes dangerously high, a warning message will be shown in the instrument tray. The coolant temperature gage is also shown.

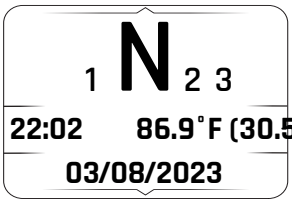


1. **Coolant temperature warning symbol (red indicator)**
2. **Coolant temperature gage**
3. **Press select button symbol**

- Stop the engine immediately if a high coolant temperature warning message is shown in the instrument tray.
- Allow the engine temperature to cool for at least 30 minutes.
- Check and adjust the coolant level as necessary (see page 180 and page 181).

Ambient Air Temperature

The ambient air temperature is displayed as either °C or °F.



1. **Ambient air temperature**

When the motorcycle is stationary the heat of the engine may affect the accuracy of the ambient temperature display.

Once the motorcycle starts moving the display will return to normal after a short time.

To change the temperature from °C or °F, see page 78.

Frost Symbol

⚠ WARNING

Black ice (sometimes called clear ice) can form at temperatures several degrees above freezing, 32°F (0°C), especially on bridges and in shaded areas.

Always take extra care when the temperatures are low and reduce speed in potentially hazardous driving conditions, such as bad weather.

Excess speed, hard acceleration, heavy braking or hard cornering when roads are slippery may lead to loss of motorcycle control, which could result in serious injury or death.



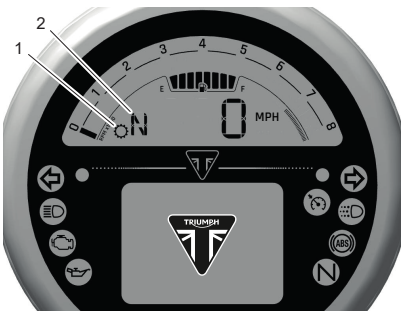
The frost symbol will illuminate if the ambient air temperature is 39°F (4°C) or lower.

The frost symbol will remain illuminated until the temperature rises to 42°F (6°C).

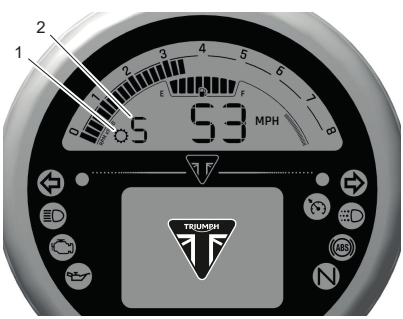
A message will also be shown in the information tray.

Gear Position

The gear position indicates which gear (one to five or one to six depending on model) has been engaged. When the transmission is in neutral (no gear selected), then 'n' is shown in the display.



1. **Gear position symbol**
2. **Gear position (neutral position shown)**



1. **Gear position symbol**
2. **Gear position (fifth gear shown)**

The gear position information is not shown when the gear shift indicator display is shown in the information tray.

For more information on the Shift Indicator display, see page 76.

Display Navigation

The table below describes the instrument icons and buttons used to navigate through the instrument menus described in this handbook.

	MODE button.
	Navigation buttons.
	Select button.
	Information Tray - left/right scroll using the navigation buttons.
	Information Tray - up/down scroll using the navigation buttons.
	Information Tray - confirm using the Select button.

Riding Modes

The riding modes allow adjustment of the throttle response (MAP) and Traction Control (TC) settings to suit differing road conditions and rider preferences.

Riding modes can be selected using the MODE button on the left hand switch housing, while the motorcycle is stationary or moving (depending on the riding mode), see page 60.

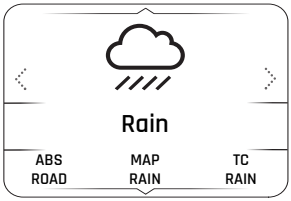
The following riding modes are available:

- Rain
- Road
- Sport (Speed Twin 1200 RS only)
- Off-Road (Scrambler 900 only).

Each riding mode is adjustable, see page 68 for more information.

Rain Mode

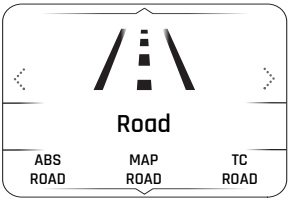
The Rain mode provides optimal ABS, MAP and TC settings for normal road use in rain conditions.



System Settings	
ABS	**Road** - Optimal ABS setting for road use.
MAP	**Rain** - Reduced throttle response when compared to the Road setting, for wet or slippery conditions.
TC	**Rain** – Optimal traction control setting for road use in rain conditions and allows minimal rear wheel slip.

Road Mode

The Road mode provides optimal ABS, MAP and TC settings for normal road use.

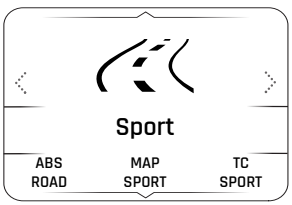


System Settings	
ABS	**Road** - Optimal ABS setting for road use.
MAP	**Road** - Standard throttle response.
TC	**Road** – Optimal traction control setting for road use.

Sport Mode

Speed Twin 1200 RS Only

The Sport mode provides optimal ABS, MAP and TC settings for normal sport use.

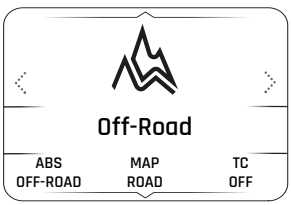


System Settings	
ABS	**Road** - Optimal ABS setting for road use.
MAP	**Sport** – Increased throttle response when compared to the Road setting.
TC	**Sport** – Increased rear wheel slip when compared to the Road setting.

Off-Road Mode

Scrambler 900 Only

The Off-Road mode provides optimal ABS, MAP and TC settings for normal off-road use.



System Settings	
ABS	**Off-Road** – Front ABS is less intrusive. Rear ABS is disabled. Optimized cornering ABS is disabled.
MAP	**Road** – Standard throttle response.
TC	**Off** – Traction control is OFF.

Riding Mode Selection

⚠ WARNING

The selection of riding modes while the motorcycle is in motion requires the rider to allow the motorcycle to coast (motorcycle moving, engine running, throttle closed, clutch lever pulled in and no brakes applied) for a brief period of time.

Riding mode selection while the motorcycle is in motion should only be attempted:

- At low speed
- In traffic-free areas
- On straight and level roads or surfaces
- In good road and weather conditions
- Where it is safe to allow the motorcycle to briefly coast.

Riding mode selection while the motorcycle is in motion MUST NOT be attempted:

- At high speeds
- While riding in traffic
- During cornering or on winding roads or surfaces
- On steeply inclined roads or surfaces
- In poor road and weather conditions
- Where it is unsafe to allow the motorcycle to coast.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

After selecting a riding mode, operate the motorcycle in an area free from traffic to gain familiarity with the new settings.

Do not loan your motorcycle to anyone as they may change the riding mode settings from the one you are familiar with.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

NOTICE

If Off-Road mode was active when the ignition is switched OFF, the riding mode will default to Road when the ignition is switched ON again.

Otherwise, the last selected riding mode will be remembered and activated when the ignition is switched ON.

If the riding mode icons are not shown when the ignition switch is in the ON position, make sure that the engine start/stop switch is in the RUN position.

NOTICE

Scrambler 900 Only

Off-Road mode cannot be selected while the motorcycle is in motion. It can only be selected when the motorcycle is stationary.

To select a riding mode:

- Press and release the MODE button, located on the left hand switch housing, to activate the riding mode selection display.
- The currently active riding mode icon is shown in the information tray.

To change the selected riding mode:

- Press the MODE button repeatedly until the required riding mode is shown in the information tray. Once in the riding mode display, the Left or Right buttons will also scroll through the riding mode options.
- Press the Select button to confirm the selection of the required riding mode.
- The selected riding mode is activated once the following conditions for switching riding modes have been met:

Motorcycle Stationary - Engine Off

- The ignition is switched ON.
- The engine start/stop switch is in the RUN position.

Motorcycle Stationary - Engine Running

- The transmission is in neutral or the clutch is pulled in.

Motorcycle in Motion

Within 60 seconds of selecting a riding mode the rider must carry out the following simultaneously:

- Close the throttle.
- Make sure that the brakes are not engaged (allow the motorcycle to coast).

The riding mode selection is now complete and normal riding can be resumed.

Information Tray

⚠ WARNING

When the motorcycle is in motion, only attempt to switch between the information tray modes or reset the fuel information under the following conditions:

- At low speed
- In traffic-free areas
- On straight and level roads or surfaces
- In good road and weather conditions.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

To view the different information tray items, press the Up/Down button until the required information tray item is shown.

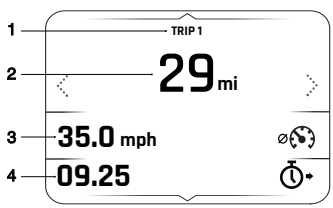
The information tray contains the following items:

- Main Menu, see page 66
- Trip Meter, see page 62
- Fuel Status, see page 63
- Tire Pressure Monitoring System (TPMS) (if equipped), see page 63
- Coolant, see page 64
- Service Interval, see page 64
- Brightness, see page 65
- Gear, see page 65
- Tachometer, see page 65
- Warning and Information Messages, see page 50.

Different information tray items can be shown or hidden from the information tray. For further information, refer to page 76.

Trip Meters

There are two trip meters that can be accessed and reset in the information tray.



1. **Trip meter 1 or 2**
2. **Duration of trip**
3. **Average speed**
4. **Time taken to complete trip**

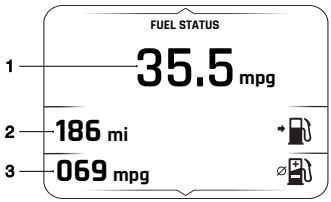
To view and clear a specific trip meter:

- Press the Left/Right button until the required trip meter is shown.
- Press and hold the Select button to manually reset the selected trip meter.

For more information on trip meters, see page 73.

Fuel Status

The Fuel Status display shows fuel consumption information.



1. **Instantaneous fuel consumption**
2. **Range to empty**
3. **Average fuel consumption**

Instantaneous Fuel Consumption

An indication of the fuel consumption at an instant in time. If the motorcycle is stationary, '-.--' will be shown.

Range to Empty

This is an indication of the predicted distance that can be traveled on the remaining fuel in the tank.

Average Fuel Consumption

This is an indication of the average fuel consumption. After being reset, '0.0' will be shown until 0.1 miles/km has been covered.

NOTICE

After refueling, the fuel gage and range to empty information will be updated only while riding the motorcycle. Depending on the riding style, updating could take up to five minutes.

Tire Pressure Monitoring System (TPMS) (if equipped)

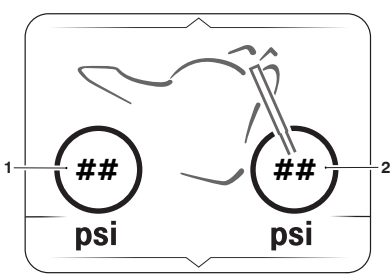
⚠ WARNING

Stop the motorcycle if the tire pressure warning light illuminates.

Do not ride the motorcycle until the tires have been checked and the tire pressures are at their recommended pressure when cold.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

The Tire Pressure Monitoring System (TPMS) display shows the front and rear tire pressures.



1. **Rear tire pressure indicator**
2. **Front tire pressure indicator**

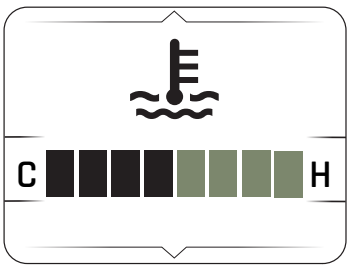
The tire pressure indicators show the current tire pressure.

For the correct tire pressures, refer to the Tires table in the Specifications section (see page 269).

For more information on TPMS, see page 222.

Coolant

The Coolant display shows the temperature of the engine coolant.



Service Interval

The Service Interval display shows the total distance that the motorcycle has remaining before a service is required. It also shows the date that the service is required to be completed by.



1. **Date the service is required by**
2. **Remaining number of miles or kilometers**

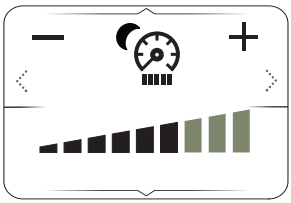
If the service is overdue then a message is shown in the instrument tray and will remain on until the service has been carried out and the system has been reset.

We recommend the service interval is reset by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

The distance to the next service or any service message will also be shown in the instrument tray when the ignition is turned on.

Brightness

The Brightness display allows the brightness of the information tray to be adjusted.

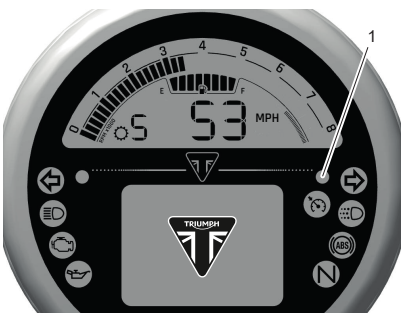


To adjust the brightness of the information tray:

- Press the Left/Right button to increase/decrease the level of brightness.

In bright sunlight, low brightness settings will be overridden to make sure that the instruments can be viewed at all times.

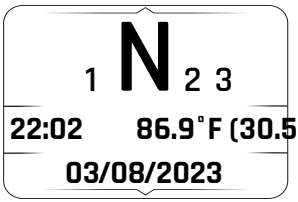
Do not cover the ambient light sensor on the display screen as this will stop the screen brightness from working correctly.



1. **Ambient light sensor**

Gear

The Gear display shows which gear has been engaged.

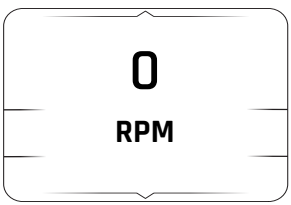


The time, date and ambient air temperature is only shown in the gear display.

For more information on how to set the time and date, see page 78 and page 79.

Tachometer

The Tachometer display shows the current engine speed.



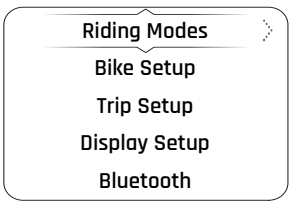
Main Menu

To access the Main Menu:

- The motorcycle must be stationary with the ignition switched on.
- Press the Up/Down button to scroll through the information tray until the Main Menu screen is shown.



- Press the Select button to open the Main Menu.



The Main Menu allows access to the following options:

Riding Modes

This menu allows configuration of the riding modes. For more information, see page 67.

Bike Setup

This menu allows configuration of the different features of the motorcycle. For more information, see page 71.

Trip Setup

This menu allows configuration of Trip 1 and Trip 2. For more information, see page 73.

Display Setup

This menu allows configuration of the display options. For more information, see page 75.

Bluetooth® (if equipped)

This menu allows configuration of the Bluetooth® connectivity. For more information, see page 81.

Reset To Defaults

This menu allows all instrument settings to be returned to the default setting. For more information, see page 81.

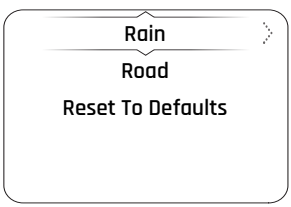
Riding Modes

The Riding Modes menu allows configuration of the riding modes.

To access the Riding Modes menu:

- From the Main Menu, press the Up/Down button to select Riding Modes.
- Press the Right button to view the available options.

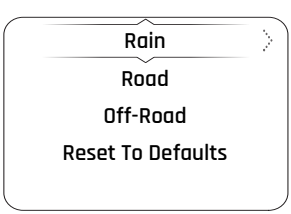
Speed Twin 1200 and Speed Twin 900



Speed Twin 1200 RS

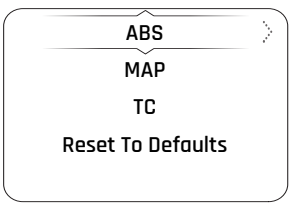


Scrambler 900



All Models

- Press the Up/Down button to select the required riding mode.
- Press the Right button to view the relevant setting options for the selected riding mode.



To change the MAP or Traction Control (TC) settings:

NOTICE

The ABS is set to Standard (factory default settings) for all riding modes and cannot be changed.

- Press the Up/Down button to select the setting.
- Press the Right button to view the available options.
- Press the Up/Down button to scroll through the options.
- Press the Select button to select the required option for the specific setting. A tick is shown to indicate the selected option.

Riding Mode Configuration

Speed Twin 1200 and Speed Twin 900

Riding Mode Configuration Options		
	RAIN 	ROAD 
Anti-lock Braking System (ABS)		
Road	●	●
Throttle Response (MAP)		
Rain	●	○
Road	○	●
Traction Control (TC)		
Rain	●	○
Road	○	●
Key		
●	Standard (factory default setting)	
○	Selectable option	
⊘	Option not available	

Speed Twin 1200 RS

Riding Mode Configuration Options			
	RAIN 	ROAD 	SPORT 
Anti-lock Braking System (ABS)			
Road	●	●	●
Throttle Response (MAP)			
Rain	●	○	⊘
Road	○	●	○
Sport	⊘	○	●
Traction Control (TC)			
Rain	●	○	⊘
Road	○	●	○
Sport	⊘	○	●

Key	
●	Standard (factory default setting)
○	Selectable option
⊘	Option not available

Scrambler 900

Riding Mode Configuration Options			
	RAIN 	ROAD 	OFF-ROAD 
Anti-lock Braking System (ABS)			
Road	●	●	⊘
Off-Road	⊘	⊘	●
Throttle Response (MAP)			
Rain	●	○	○
Road	○	●	●
Traction Control (TC)			
Rain	●	○	⊘
Road	○	●	⊘
Off	⊘	⊘	●

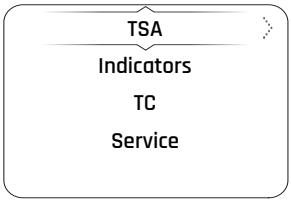
Key	
●	Standard (factory default setting)
○	Selectable option
⊘	Option not available

Bike Setup Menu

The Bike Setup menu allows configuration of the different features of the motorcycle.

To access the Bike Setup menu:

- From the Main Menu, press the Up/Down button to select Bike Setup.
- Press the Right button to view the available options.



Bike Setup - TSA (if equipped)

Triumph Shift Assist (TSA) triggers a momentary engine torque change to allow gears to engage, without closure of the throttle or operation of the clutch. This feature works for both up-shifts and down-shifts of gear.

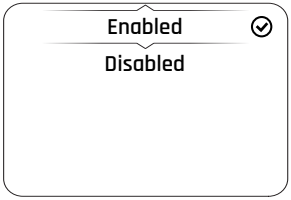
The clutch must be used for stopping and pulling away.

TSA will not operate if the clutch is applied or if an up-shift is attempted by mistake when in top gear.

It is necessary to use a positive pedal force to make sure there is a smooth gear shift.

To enable or disable TSA:

- From the Bike Setup menu, press the Up/Down button to select TSA.
- Press the Right button to view the available options.
- Press the Up/Down button to select Enabled or Disabled.
- Press the Select button to confirm. A tick is shown to indicate the selected option.



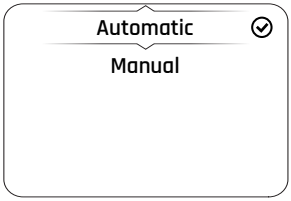
For more information on TSA, see page 150.

Bike Setup - Indicators

The turn signals can be set to Automatic or Manual mode.

To select the required turn signals mode:

- From the Bike Setup menu, press the Up/Down button to select Indicators.
- Press the Right button to view the available options.
- Press the Up/Down button to scroll between the following options:
  - Automatic- The self-canceling function is on. The turn signals will activate for eight seconds and an additional 71 yards (65 meters).
  - Manual - The self-canceling function is off. The turn signals must be manually canceled using the turn signal switch.
- Press the Select button to confirm. A tick is shown to indicate the selected option.

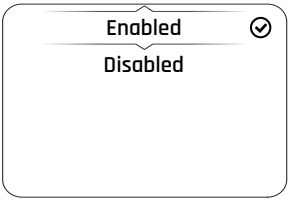


Bike Setup - Traction Control (TC)

The Traction Control (TC) system can be temporarily disabled. The TC system cannot be permanently disabled, it will be automatically enabled when the ignition is turned off and then on again.

To enable or disable the TC system:

- From the Bike Setup menu, press the Up/Down button to select TC.
- Press the Right button to view the available options.
- Press the Up/Down button to select Enabled or Disabled.
- Press the Select button to confirm. A tick is shown to indicate the selected option.

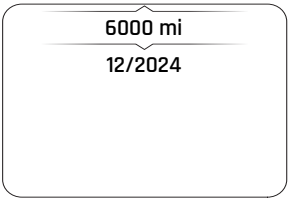


Bike Setup - Service

The service interval is set to a distance and/or time period.

To review the service interval:

- From the Bike Setup menu, press the Up/Down button to select Service.
- Press the Right button to view the Service information.

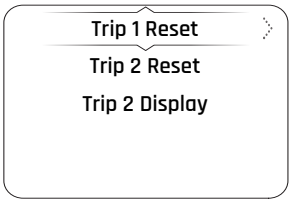


Trip Setup Menu

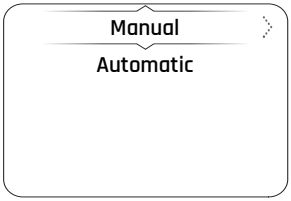
The Trip Setup menu allows the configuration of the trip meters.

To access the Trip Setup menu:

- From the Main Menu, press the Up/Down button to select Trip Setup.
- Press the Right button to view the available options.



Selecting Trip 1 Reset or Trip 2 Reset allows the relevant trip meter to be configured manually or automatically. The trip meter set up procedure is the same for both trip meters.



Manual reset will only reset the selected trip meter when the rider manually chooses to reset it. For more information, see page 74.

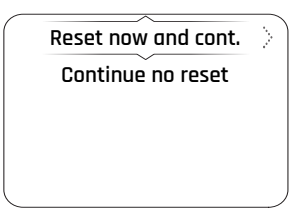
Automatic reset will reset each trip meter after the ignition has been switched off for a set time. For more information, see page 74.

Trip meter 2 can be enabled or disabled. For more information, see page 75.

Trip Setup - Manual Reset

To set the trip meter to reset manually:

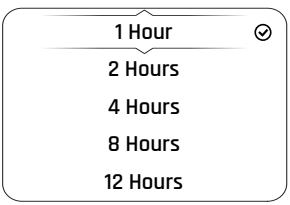
- From the Trip Setup menu, press the Up/Down button to select Trip 1 Reset or Trip 2 Reset.
- Press the Right button to view the available options.
- Press the Up/Down button to select Manual.
- Press the Right button to view the available options.
- Press the Up/Down button to scroll between the following options:
  - Reset now and cont. - Resets all trip meter data in the relevant trip meter.
  - Continue no reset - Any trip meter data in the relevant trip meter will not be reset.
- Press the Select button to confirm.



Trip Setup - Automatic Reset

To set the trip meter to reset automatically:

- From the Trip Setup menu, press the Up/Down button to select Trip 1 Reset or Trip 2 Reset.
- Press the Right button to view the available options.
- Press the Up/Down button to select Automatic.
- Press the Right button to view the available options.
- Press the Up/Down button to select the timer setting required.
- Press the Select button to confirm. A tick is shown to indicate the selected option.



The required time limit is then stored in the trip memory.

When the ignition is turned off, the trip meter is set to zero when the time period has elapsed.

The following table shows two examples of the automatic trip reset functionality.

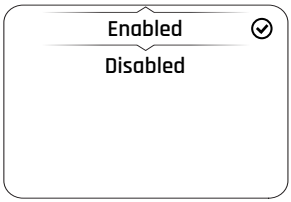
Ignition Turned Off	Selected Time Delay	Trip Meter Resets to Zero
10:30 hrs	4 Hours	14:30 hrs
18:00 hrs	16 Hours	10:00 hrs (next day)

Trip 2 Display

The Trip 2 Display menu allows the Trip 2 meter to be enabled or disabled. If Trip 2 is disabled, it will no longer be shown in the information tray.

To enable or disable the Trip 2 meter:

- From the Trip Setup menu, press the Up/Down button to select Trip 2 Display.
- Press the Right button to view the available options.
- Press the Up/Down button to select Enabled or Disabled.
- Press the Select button to confirm. A tick is shown to indicate the selected option.

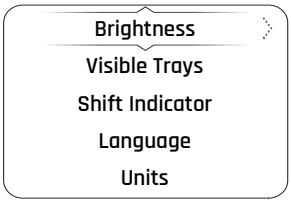


Display Setup Menu

The Display Setup menu allows configuration of the different display screen options.

To access the Display Setup menu:

- From the Main Menu, press the Up/Down button to select Display Setup.
- Press the Right button to view the available options.



Display Setup - Brightness

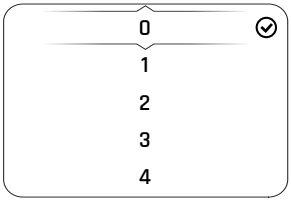
NOTICE

In bright sunlight, low brightness settings will be overridden to make sure that the instruments can be viewed at all times.

There are eight levels of brightness options to select from. Level 7 is the brightest option.

To adjust the brightness:

- From the Display Setup menu, press the Up/Down button to select Brightness.
- Press the Right button to view the available options.
- Press the Up/Down button until the required brightness option is highlighted.
- Press the Select button to confirm. A tick is shown to indicate the selected option.

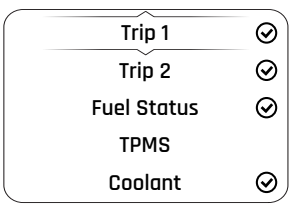


Display Setup - Visible Trays

The Visible Trays menu allows the selection of the items to be shown in the information tray.

To select the Visible Trays menu:

- From the Display Setup menu, press the Up/Down button to select Visible Trays.
- Press the Right button to view the available options.
- Press the Up/Down button until the required information tray item is highlighted.
- Press the Select button to select/deselect an information tray item.



An information tray item with a tick next to it will be shown in the information tray. An information tray item without a tick next to it will not be shown in the information tray.

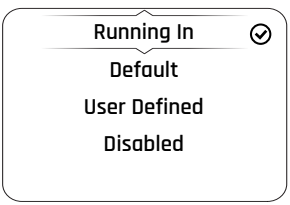
Display Setup - Shift Indicator

The Shift Indicator menu allows the adjustment of the gear shift indicator.

The engine speed threshold can be defined and reset, and the gear shift indicator can be disabled. Once the engine has been broken in (at 1,000 miles/1,600 km), the Running In option is replaced with a Default option.

To adjust the engine speed threshold (RPM) for the gear shift indicator:

- From the Shift Indicator menu, press the Up/Down button to select User Defined and press the Select button to confirm.

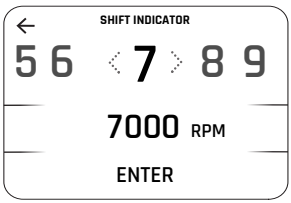


NOTICE

The previously stored or default rpm will be shown initially.

- Press the Down button to highlight the numbers.

- Press the Left/Right button to scroll through to the delete symbol.
- Press the Select button to delete each number.
- Press the Left/Right button to scroll through the numbers.
- Press the Select button to confirm the number. Numbers other than '0' will add in hundreds, for example, '4' will add '400' each time it is selected.
- Once the engine speed threshold (RPM) has been completed, select ENTER and press the Select button to confirm. The display will return to the previous screen.



To disable the gear shift indicator:

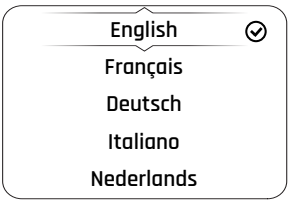
- Press the Up/Down button to select Disabled and press the Select button to confirm.

Display Setup - Language

The Language menu allows the preferred language to be used as the instrument display language.

To select the required language for the instrument display:

- From the Display Setup menu, press the Up/Down button to select Language.
- Press the Right button to view the available options.
- Press the Up/Down button until the required language option is highlighted.
- Press the Select button to confirm. A tick is shown to indicate the selected option.



Display Setup - Units

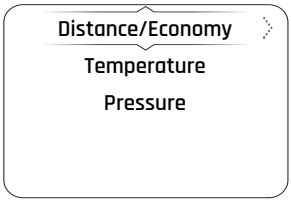
The Units menu allows the selection of a preferred unit of measurement.

To select the required units of measurement:

- From the Display Setup menu, press the Up/Down button to select Units.
- Press the Right button to view the available options.

To change the unit of measurement:

- Press the Up/Down button to select the required option.



- Press the Right button to view the available options.
- Press the Up/Down button until the required unit of measurement is highlighted.
- Press the Select button to confirm. A tick is shown to indicate the selected option.

The options available are:

Distance/Economy

- Miles & MPG (UK)
- Miles & MPG (US)
- Km & L/100km
- Km & Km/L

Temperature

- °C
- °F

Pressure

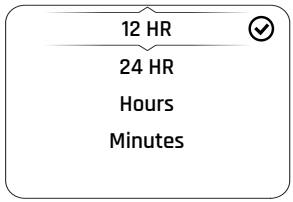
- PSI
- Bar
- kPa

Display Setup - Clock

The Clock menu allows the adjustment of the clock to be set to the local time.

To set the clock:

- From the Display Setup menu, press the Up/Down button to select Clock.
- Press the Right button to view the available options.
- Press the Up/Down button to select 12 HR or 24 HR clock and press the Select button to confirm. A tick is shown to indicate the selected option.



The clock will display in either 12 or 24 hour format depending on selection.

To adjust the hour setting:

- Select Hours and press the Right button to be shown the HOURS display.
- Press the Down button to highlight the numbers.
- Press the Left/Right button to scroll through to the delete symbol.
- Press the Select button to delete each number.
- Press the Left/Right button to scroll through the numbers to select the correct time in hours. Once the required number is highlighted, press the Select button to confirm. The number appears below. Repeat this step to select the next number.
- When the hour number is correct, select ENTER and press the Select button to confirm. The display will return to the previous screen.



To adjust the minute setting:

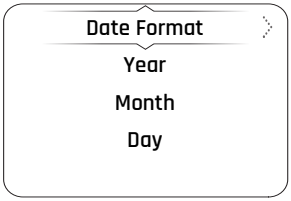
Repeat the procedure used to set the hour by selecting Minutes.

Display Setup - Date

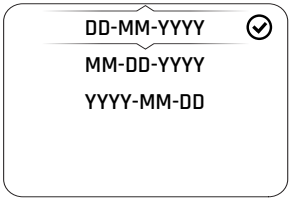
The Date menu allows the date and date format to be adjusted.

To set the date format:

- From the Display Setup menu, press the Up/Down button to select Date.
- Press the Right button to view the available options.
- Press the Up/Down button to select Date Format.

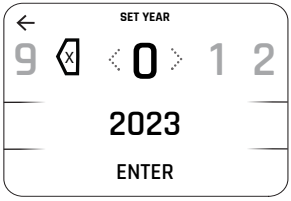


- Press the Right button to view the available options.
- Press the Up/Down button to select the required date format option and press the Select button to confirm. A tick is shown to indicate the selected option.



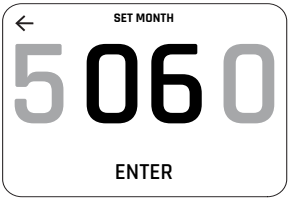
To set the year:

- From the Display Setup menu, press the Up/Down button to select Date.
- Press the Right button to view the available options.
- Press the Up/Down button to select Year.
- Press the Right button to show the SET YEAR display.
- Press the Down button to highlight the numbers.
- Press the Left/Right button to scroll through to the delete symbol.
- Press the Select button to delete each number.
- Press the Left/Right button to scroll through the numbers to select the required first number of the four digit year. Once the required number is highlighted, press the Select button to confirm. The number appears below. Repeat the procedure until the year required is shown.
- When the year is correct, select ENTER and press the Select button to confirm. The display will return to the previous screen.



To set the month:

- From the Display Setup menu, press the Up/Down button to select Date.
- Press the Right button to view the available options.
- Press the Up/Down button to select Month.
- Press the Right button to show the SET MONTH display.
- Press the Down button to highlight the numbers.
- Press the Left/Right button to scroll through the numbers to select the required month.
- When the month is correct, select ENTER and press the Select button to confirm. The display will return to the previous screen.



To set the day:

Repeat the procedure used to set the month by selecting Day.

Bluetooth®

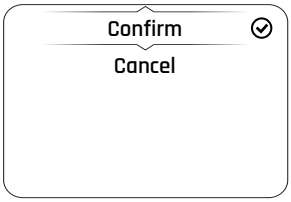
For information on Bluetooth® features, see the My Triumph Connectivity Handbook at www.triumphtechnicalinformation.com/handbooks.

Reset to Defaults

The Reset to Defaults option allows the Main Menu display items to be reset to the default setting.

To reset the Main Menu display items:

- From the Main Menu, press the Up/Down button to select Reset To Defaults.
- Press the Right button to view the available options.
- Press the Up/Down button to scroll between the following options:
  - Confirm - All Main Menu settings and data will be reset to the factory default values including Riding Modes, Trip Meters, Visible Trays, Language, Traction Control and Display Brightness.
  - Cancel - The Main Menu settings and data will remain unchanged and the display will return to the previous screen.
- Press the Select button to confirm. A tick is shown to indicate the selected option.



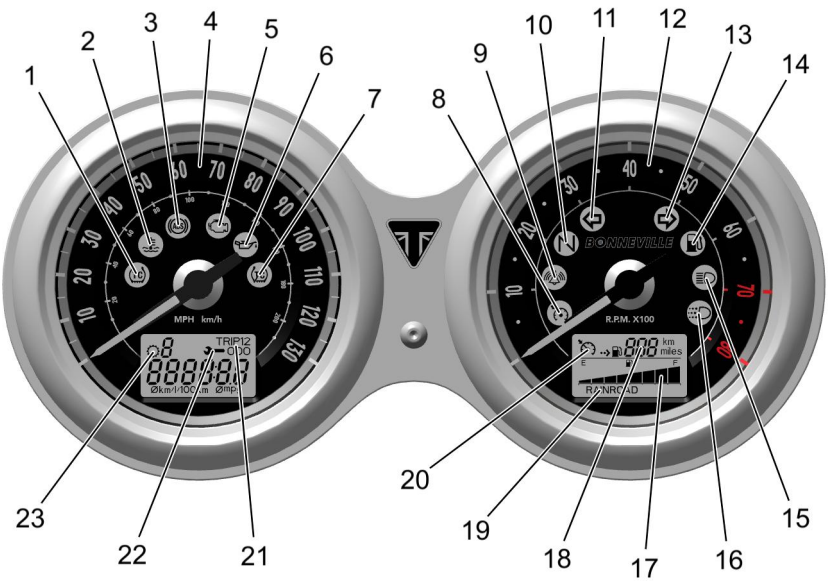
Instruments - Bonneville T100, Bonneville T120 and Bonneville T120 Black

Table of Contents

Instruments Display 83
Warning Lights 84
Speedometer 90
Odometer 90
Tachometer 90
Fuel Gauge 91
Range to Empty 91
Gear Position 92
Trip Meter 92
Clock 93
Service Interval 94
Average Fuel Consumption 94
Riding Modes 95

Instruments Display

The instruments are illustrated for the UK market specification. Other markets will display different units.



1. Traction Control (TC) indicator light
2. High coolant temperature warning light
3. Anti-lock Braking System (ABS) warning light
4. Speedometer
5. Engine management system Malfunction Indicator Light (MIL)
6. Low oil pressure warning light
7. Traction Control (TC) disabled warning light
8. Cruise control indicator light (if equipped)
9. Engine immobilizer/Alarm indicator light (alarm is an accessory kit)
10. Neutral indicator light
11. Left hand turn signal light
12. Tachometer
13. Right hand turn signal light
14. Low fuel indicator light
15. High beam indicator light
16. Daytime Running Lights (DRL) indicator light (if equipped)
17. Fuel gage
18. Range to empty display
19. Riding modes
20. Cruise control symbol (if equipped)
21. Odometer/Trip meter
22. Service interval indicator
23. Gear position

Warning Lights

NOTICE

If a red warning light is shown, the motorcycle must be stopped immediately.

If an amber warning light is shown, the motorcycle does not need to be stopped immediately.

Always read any warning messages and rectify the issue.

When the ignition is switched on, the instrument warning lights will illuminate for 1.5 seconds and will then go off (except those which remain on until the engine starts, as described in the following pages).

Engine Management System Malfunction Indicator Light (MIL)

⚠ WARNING

Reduce speed and do not continue to ride for longer than is necessary with the Malfunction Indicator Light (MIL) illuminated. The fault may affect engine performance, exhaust emissions and fuel consumption.

The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Reduced engine performance could cause a dangerous riding condition, leading to loss of motorcycle control which could result in serious injury or death.



The Malfunction Indicator Light (MIL) for the engine management system illuminates when the ignition is switched ON (to indicate that it is working), but should not become illuminated when the engine is running.

If the engine is running and there is a fault with the engine management system, the MIL will be illuminated and the general warning symbol will flash. In such circumstances, the engine management system may switch to 'limp-home' mode so that the journey may be completed, if the fault is not so severe that the engine will not run.

If the MIL flashes when the ignition is switched ON, contact an authorized Triumph dealer as soon as possible to have the situation rectified. In these circumstances the engine will not start.

Low Oil Pressure Warning Light

NOTICE

If the engine oil pressure is too low, the low oil pressure warning light will illuminate.

If the low oil pressure indicator remains on, stop the engine immediately and investigate the situation.

Running the engine with low oil pressure will cause severe engine damage.



With the engine running, if the engine oil pressure becomes dangerously low, the low oil pressure warning light will illuminate. The low oil pressure warning light will also illuminate if the ignition is switched ON without running the engine.

High Coolant Temperature Warning Light

NOTICE

Stop the engine immediately if the high coolant temperature warning light illuminates.

Do not restart the engine until the fault has been rectified.

Severe engine damage will result from running the engine when the high coolant temperature warning light is illuminated.



With the engine running, if the engine coolant temperature becomes dangerously high, the high coolant temperature warning light will illuminate.

Engine Immobilizer / Alarm Indicator Light



This motorcycle is equipped with an engine immobilizer, which is activated when the ignition switch is turned to the OFF position.

Not Equipped With Alarm

When the ignition switch is turned to the OFF position, the engine immobilizer/alarm light will flash on and off for 24 hours to show that the engine immobilizer is on. When the ignition switch is turned to the ON position, the engine immobilizer and the indicator light will be off.

If the indicator light remains on, it indicates that the engine immobilizer has a malfunction that requires investigation. The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Equipped With Alarm

The engine immobilizer/alarm light will only illuminate when the conditions described in the genuine Triumph accessory alarm instructions are met.

Anti-lock Braking System (ABS) Warning Light

⚠ WARNING

If the Anti-lock Brake System (ABS) is not functioning, the brake system will continue to function as a non-ABS equipped brake system. Do not continue to ride for longer than is necessary with the ABS warning light illuminated.

The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Braking too hard will cause the wheels to lock, leading to loss of motorcycle control, which could result in serious injury or death.

NOTICE

Traction control will not function if there is a malfunction with the ABS. The warning lights for the ABS, traction control and the MIL will be illuminated.

When the ignition switch is turned to the ON position, it is normal that the ABS warning light will flash on and off. The light will continue to flash after engine start-up until the motorcycle first reaches a speed exceeding 6 mph (10 km/h) when it will go off.

The warning light should not illuminate again until the engine is restarted unless there is a fault.

If the warning light becomes illuminated at any time while riding it indicates that the ABS has a malfunction that requires investigation.

Cruise Control Indicator Light (if equipped)



The cruise control (if equipped) can only be activated when the motorcycle is traveling at a speed between 19 to 100 mph (30 to 160 km/h) and is in 2nd gear or higher. When activated, the cruise control indicator light will be shown in green.

Traction Control (TC) Indicator Light

⚠ WARNING

If the traction control is not functioning, care must be taken when accelerating and cornering on wet/slippery road surfaces to avoid rear wheel spin. Do not continue to ride for longer than is necessary with the engine management system Malfunction Indicator Light (MIL) and traction control warning lights illuminated.

The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Hard acceleration and cornering may cause the rear wheel to spin, leading to loss of motorcycle control which could result in serious injury or death.

NOTICE

Traction control will not function if there is a malfunction with the ABS. The warning lights for the ABS, traction control and the MIL will be illuminated.



The Traction Control (TC) indicator light is used to indicate that the traction control system is active and is working to limit rear wheel slip during periods of hard acceleration or under wet or slippery road conditions.

If traction control is switched on:

- Under normal riding conditions the TC indicator light will remain off.
- The TC indicator light will flash rapidly when the traction control system is working to limit rear wheel slip during periods of hard acceleration or under wet or slippery road conditions.

If traction control is switched off:

- The TC indicator light will not illuminate. Instead the TC disabled warning light will be illuminated.

Traction Control (TC) Disabled Warning Light



The Traction Control (TC) disabled warning light should not illuminate unless traction control is switched off, or there is a malfunction.

If the warning light becomes illuminated while riding, it indicates that the traction control system has a malfunction that requires investigation. The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Turn signal Light



When the turn signal switch is turned to the left or right, the turn signal light will flash on and off at the same speed as the turn signals.

Hazard Warning Lights



When the hazard warning lights switch is turned on, the turn signal lights will flash on and off at the same speed as the turn signals.

High Beam Indicator Light



When the ignition is switched ON and the high beam is selected, the high beam indicator light will illuminate.

Daytime Running Lights (DRL) Indicator Light (if equipped)



The Daytime Running Lights (DRL) indicator light will only illuminate when the DRL is on.

During daylight hours, the daytime running lights improve the visibility of the motorcycle to other road users. Dipped beam headlights must be used in any other conditions unless the road conditions allow for high beam headlights to be used.

When the dipped beam headlight is on, the DRL indicator light will be off.

The dipped beam/DRL headlights are operated manually using a switch on the left hand switch housing.

Neutral Indicator Light



The neutral indicator light indicates when the transmission is in neutral (no gear selected). The indicator light will illuminate when the transmission is in neutral with the ignition switch in the ON position.

Low Fuel Indicator Light



The low fuel indicator light will illuminate when there is an approximate level of fuel remaining in the tank, as specified in the Specifications section.

General Warning Symbol



The general warning symbol will flash if an ABS or engine management fault has occurred and the ABS and/or MIL warning lights are illuminated. The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Speedometer

The speedometer indicates the road speed of the motorcycle.



1. **Speedometer**

Odometer

The odometer shows the total distance that the motorcycle has traveled.



1. **Odometer**

Tachometer

NOTICE

Never allow engine speed to exceed the maximum engine speed as severe engine damage may result.

The tachometer shows the engine speed in revolutions per minute - rpm (r/min).



1. **Engine speed (rpm)**
2. **Maximum engine speed**

Engine speeds above the maximum engine speed are above the range for best engine performance and may result in engine damage.

Fuel Gauge

The fuel gage indicates the amount of fuel in the tank.



1. Fuel gage

With the ignition switched on, the number of bars shown in the display indicates the level of fuel remaining in the fuel tank.

When the fuel tank is full all eight bars are displayed and when empty, no bars are displayed. Other gage markings indicate intermediate fuel levels between E (Empty) and F (Full).

The low fuel indicator light will illuminate when the fuel remaining in the fuel tank is close to the approximate level as specified in the Specifications section, and you should refuel at the earliest opportunity.

NOTICE

After refueling, the fuel gage and range to empty information will be updated only while riding the motorcycle. Depending on the riding style, updating could take up to five minutes.

Range to Empty

This is an indication of the predicted distance that can be traveled on the remaining fuel in the tank.



1. Range to empty indicator
2. Estimated distance remaining

When less than a mile can be traveled on the remaining fuel, then '---' is shown in the display.

NOTICE

After refueling, the fuel gage and range to empty information will be updated only while riding the motorcycle. Depending on the riding style, updating could take up to five minutes.

Gear Position

The gear position indicates which gear (one to five or one to six depending on model) has been engaged. When the transmission is in neutral (no gear selected), then 'n' is shown in the display.



1. Gear position symbol
2. Gear position (neutral position shown)



1. Gear position symbol
2. Gear position (fifth gear shown)

Trip Meter

⚠ WARNING

Do not attempt to switch between the odometer and trip meter display modes or reset the trip meter while the motorcycle is in motion.

Stop the motorcycle to switch between the odometer and trip meter display modes or reset the trip meter.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

There are two trip meters. Either trip meter shows the distance that the motorcycle has traveled since the meter on display was last reset to zero.



1. Trip meter (Trip 1 shown)

To switch between trip meters, press and release the SCROLL button, located on the left hand switch housing, until the required trip meter is shown.

Trip Meter Reset

To reset either of the trip meters, select and display the trip meter to be zeroed. Then press and hold the SCROLL button for one second. After more than one second, the trip meter on display will reset to zero.

Clock

To access the clock, press and release the SCROLL button, located on the left hand switch housing, until the clock is shown.



1. Clock

Clock Adjustment

⚠ WARNING

Do not attempt to set the clock while the motorcycle is in motion.

Stop the motorcycle to set the clock.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

The clock menu allows the adjustment of the clock to be set to the local time.

To set the clock:

- Select the clock display.
- Press and hold the SCROLL button until the clock's hour display starts to flash. Release the SCROLL button.

To set the hour display:

- Make sure the hour display is still flashing then press and release the SCROLL button to change the setting. Each individual button press will change the setting by one digit.
- When the correct hour display is shown, press and hold the SCROLL button. The hours display is set and the minutes display will start to flash. The minutes display is adjusted in the same way as the hour display.
- Once both hours and minutes are correctly set, press the SCROLL button for one second and the display will stop flashing.

Service Interval

The service interval is set to a distance and/or time period.



1. **Service symbol**
2. **Remaining distance**

When the ignition is switched on and the distance to the next service is 61 miles (100 km) or less, the display will flash the service symbol for five seconds after the ignition is switched on.

When the remaining distance is 0 miles (0 km) or overdue, the service symbol will remain on until the service has been carried out and the system has been reset.

We recommend the service interval is reset by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Average Fuel Consumption

This is an indication of the average fuel consumption. After being reset the display will show dashes until 0.1 miles/km has been covered.



1. **Average symbol**
2. **Average fuel consumption**

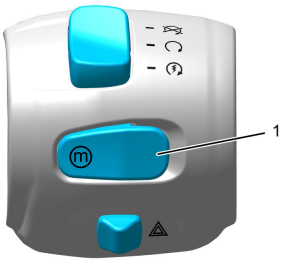
NOTICE

After refueling, the average fuel consumption information will be updated only while riding the motorcycle. Depending on the riding style, updating could take up to five minutes.

Riding Modes

The riding modes allow adjustment of the throttle response (MAP) and Traction Control (TC) settings to suit differing road conditions and rider preferences.

Riding modes are selected using the MODE button on the right hand switch housing.



1. MODE button

Press and release the MODE button to select one of the following riding modes.



1. Riding mode (ROAD shown)

Riding Mode	Description
RAIN	Optimal ABS setting for road use. Reduced throttle response when compared to the ROAD setting, for wet or slippery conditions. Optimal traction control setting for road use in rain conditions and allows minimal rear wheel slip.
ROAD	Optimal ABS setting for road use. Standard throttle response. Optimal traction control setting for road use.

Riding modes can be selected when the motorcycle is stationary or moving.

Riding Mode Selection

⚠ WARNING

The selection of riding modes while the motorcycle is in motion requires the rider to allow the motorcycle to coast (motorcycle moving, engine running, throttle closed, clutch lever pulled in and no brakes applied) for a brief period of time.

Riding mode selection while the motorcycle is in motion should only be attempted:

- At low speed
- In traffic-free areas
- On straight and level roads or surfaces
- In good road and weather conditions
- Where it is safe to allow the motorcycle to briefly coast.

Riding mode selection while the motorcycle is in motion MUST NOT be attempted:

- At high speeds
- While riding in traffic
- During cornering or on winding roads or surfaces
- On steeply inclined roads or surfaces
- In poor road and weather conditions
- Where it is unsafe to allow the motorcycle to coast.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

After selecting a riding mode, operate the motorcycle in an area free from traffic to gain familiarity with the new settings.

Do not loan your motorcycle to anyone as they may change the riding mode settings from the one you are familiar with.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

NOTICE

The last selected riding mode will be remembered and activated when the ignition is switched ON.

To change the selected riding mode:

- Press and release the MODE button, located on the right hand switch housing, until the required riding mode is flashing in the display.

- The selected riding mode is activated one second after the MODE button is pressed, once the following conditions for switching riding modes have been met:

Motorcycle Stationary - Engine Off

- The ignition is switched ON.
- The engine start/stop switch is in the RUN position.

Motorcycle Stationary - Engine Running

- The transmission is in neutral or the clutch is pulled in.

Motorcycle in Motion

Within 30 seconds of pressing the MODE button the rider must carry out the following simultaneously:

- Close the throttle.
- Pull the clutch in.
- Make sure that the brakes are not engaged (allow the motorcycle to coast).

In the event of an incomplete riding mode change:

⚠ WARNING

Do not stop the engine using the ignition switch or engine start/stop switch while the motorcycle is moving.

Always bring the motorcycle to a stop safely and engage neutral gear prior to stopping the engine.

Stopping the engine by turning off the ignition or engine start/stop switch while the motorcycle is moving can lock the rear wheel, leading to loss of motorcycle control which could result in serious injury or death.

NOTICE

Although the STOP position on the engine start/stop switch stops the engine, it does not turn off all the electrical circuits and may cause difficulty in restarting the engine due to a discharged battery. Ordinarily, only the ignition switch should be used to stop the engine.

Do not leave the ignition switch in the ON position unless the engine is running as this may cause damage to electrical components and will discharge the battery.

- Safely bring the motorcycle to a stop.
- Select neutral.
- Turn the ignition OFF and then back ON again.
- Select the required riding mode.
- Restart the engine and continue riding.

The riding mode selection is now complete and normal riding can be resumed.

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Table of Contents

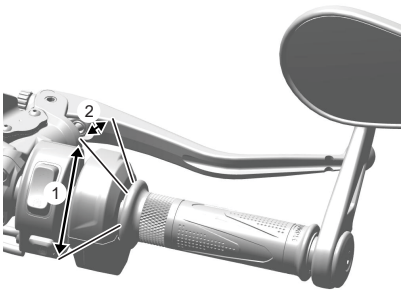
Controls 101
Throttle Control 101
Ignition Switch/Steering Lock 102
Ignition Key 103
Engine Immobiliser 104
Brake Lever Adjuster 104
Clutch Lever Adjuster 106
Right Handlebar Switches - Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900 108
Right Handlebar Switches - Bonneville T100, Bonneville T120 and Bonneville T120 Black 109
Left Handlebar Switches - Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900 110
Left Handlebar Switches - Bonneville T100, Bonneville T120 and Bonneville T120 Black 112
Fuel 114
Refueling 116
Fuel Tank Cap 116
Filling the Fuel Tank 117
Cruise Control (if equipped) 118
Activating Cruise Control 119
Deactivating Cruise Control 120
Traction Control (TC) 120
Optimized Cornering Traction Control (OCTC) 121
Traction Control Settings 122

Tire Pressure Monitoring System (TPMS) (if equipped) 124
Tire Pressures 124
Tire Pressure Sensor Batteries 125
Tire Pressure Sensor Serial Number 126
Replacement Tires 126
Stands 126
Side Stand 126
Center Stand (if equipped) 127
Seats 128
Seat Care 128
Seat Lock 128
Seat - Removal 128
Seat - Installation 131
Side Panels 133
Side Panels - Removal 133
Side Panels - Installation 136
Owner's Handbook and Tool Kit 138
Helmet Hook (if fitted) 138
Universal Serial Bus (USB) Socket 139
Breaking-In 141
Daily Safety Checks 142

Controls

Throttle Control

An electronic throttle twist grip controls the opening and closing of the throttles via the engine Electronic Control Module (ECM). There are no direct-acting cables in the system.



1. **Throttle open position (Speed Twin 1200 shown)**
2. **Throttle closed position**

The throttle grip has a resistive feel to it as it is rolled rearwards to open the throttles. When the grip is released, it will return to the throttle closed position by its internal return spring and the throttles will close.

There are no user adjustments for the throttle control.

⚠ WARNING

Reduce speed and do not continue to ride for longer than is necessary with the Malfunction Indicator Light (MIL) illuminated. The fault may affect engine performance, exhaust emissions and fuel consumption.

The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Reduced engine performance could cause a dangerous riding condition, leading to loss of motorcycle control which could result in serious injury or death.

If there is a malfunction with the throttle control, the Malfunction Indicator Light (MIL) becomes illuminated and one of the following engine conditions may occur:

- MIL illuminated, restricted engine RPM and throttle movement.
- MIL illuminated, limp-home mode with the engine at a fast idle condition only.
- MIL illuminated, engine will not start.

For all of the conditions mentioned, the fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Brake Use

At low throttle opening (approximately 20°), the brakes and throttle can be used together.

At high throttle opening (greater than 20°), if the brakes are applied for more than two seconds the throttles will close and the engine speed will reduce. To return to normal throttle operation, release the throttle control, release the brakes and then reopen the throttle.

Ignition Switch/Steering Lock

⚠ WARNING

For reasons of security and safety, always turn the ignition to the LOCK position and remove the key when leaving the motorcycle unattended.

Any unauthorized use of the motorcycle may lead to loss of motorcycle control which could result in serious injury or death.

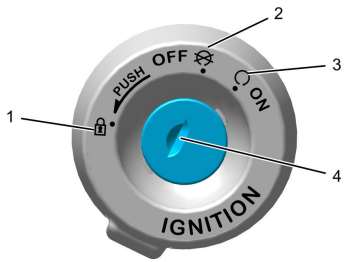
⚠ WARNING

With the key in the LOCK position, the steering will become locked.

Never turn the key to the LOCK position while the motorcycle is moving as this will cause the steering to lock.

Locked steering will lead to loss of motorcycle control which could result in serious injury or death.

This is a three position, key operated switch. The key can be removed from the switch only when it is in the OFF or LOCK position.



1. **LOCK position**
2. **OFF position**
3. **ON position**
4. **Ignition switch/steering lock**

TO LOCK: Turn the steering fully to the left, turn the key to the OFF position, push and fully release the key, then rotate it to the LOCK position.

Ignition Key

⚠ WARNING

Additional keys, key rings/chains or items attached to the ignition key may interfere with the steering.

Remove all additional keys, key rings/chains and items from the ignition key before riding the motorcycle.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

NOTICE

Additional keys, key rings/chains or items attached to the ignition key may cause damage to the motorcycle's painted or polished components.

Remove all additional keys, key rings/chains and items from the ignition key before riding the motorcycle.

NOTICE

Do not store the spare key with the motorcycle as this will reduce all aspects of security.

NOTICE

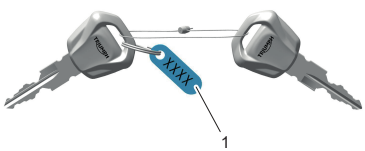
Key functions may be disrupted by electronic devices, environmental electrical noise sources and metal objects.

Avoid storing and using the key near the following:

- Electrical service masts, radio masts and power distribution infrastructure
- Garage door opener devices
- Radio-Frequency Identification (RFID) access cards or fobs
- Metal, metallic card holders and aluminum items
- Other vehicle electronic keys
- In panniers or top boxes
- Wireless communication devices such as mobile phones, tablets, laptops, portable game systems, audio players, radios and chargers.

In addition to operating the ignition switch/steering lock, the ignition key is required to operate the seat lock and fuel tank cap.

When the motorcycle is delivered from the factory, two ignition keys are supplied together with a small tag bearing the key number. Make a note of the key number and store the spare key and key number tag in a safe place away from the motorcycle.



1. Key number tag

There is a transponder within the ignition keys to turn off the engine immobilizer. To make sure the immobilizer functions correctly, always have only one of the ignition keys near the ignition switch. Having two ignition keys near the switch may interrupt the signal between the transponder and the engine immobilizer. In this situation, the engine immobilizer will remain active until one of the ignition keys is removed.

Always get replacement keys from your authorized Triumph dealer. Replacement keys must be 'paired' with the motorcycle's immobilizer by your authorized Triumph dealer.

Engine Immobiliser

The ignition switch housing acts as the antenna for the engine immobilizer.

When the ignition switch is turned to the OFF position and the ignition key is removed, the engine immobilizer is active, see page 46. The engine immobilizer is deactivated when the ignition key is in the ignition switch and it is turned to the ON position.

Brake Lever Adjuster

⚠ WARNING

Do not attempt to adjust the levers with the motorcycle in motion as this could lead to loss of motorcycle control.

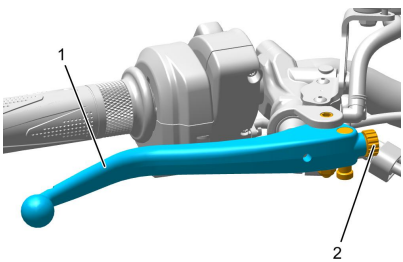
After adjusting the levers, operate the motorcycle in an area free from traffic to gain familiarity with the new lever setting.

Do not loan your motorcycle to anyone as they may change the lever setting from the one you are familiar with, leading to loss of motorcycle control, which could result in serious injury or death.

Speed Twin 1200

An adjuster is mounted to the brake lever. The adjuster allows the distance from the handlebar to the brake lever to be changed to suit the span of the rider's hand.

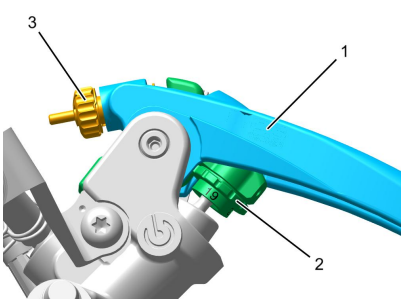
- Push the brake lever forward and turn the adjuster screw in to increase the distance or out to decrease the distance from the handlebar.



1. **Brake lever**
2. **Adjuster screw**

Speed Twin 1200 RS

There are two adjusters mounted on the brake lever; a ratio adjuster and a span adjuster.



1. **Brake lever**
2. **Ratio adjuster**
3. **Span adjuster**

Ratio Adjuster

The ratio adjuster moves the brake master cylinder push rod to the left or right in 0.04 in (1 mm) increments from 0.75 in to 0.83 in (19 mm to 21 mm).

NOTICE

An audible click can be heard when the ratio adjuster is locked into position.

Four marks are visible on the wheel; 19 - 20 - 21 - 20.

The ratio adjuster can be turned both clockwise and counterclockwise to set the required preference.

- Turn the ratio adjuster to the rider's preferred position.

The ratio adjuster has three lever positions:

- 19 (0.75 in (19 mm)) for a softer brake feel with a longer lever travel.
- 20 (0.79 in (20 mm)) for a firmer brake feel and a medium lever travel.
- 21 (0.83 in (21 mm)) for a firm brake feel and a shorter lever travel.

Span Adjuster

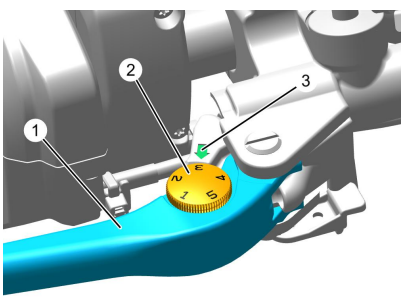
The span adjuster allows the distance from the handlebar to the brake lever to be changed to suit the span of the rider's hand.

- Turn the span adjuster clockwise to increase the distance or counterclockwise to decrease the distance from the handlebar.
- The distance from the handlebar grip to the released brake lever is shortest when the span adjuster is turned fully counterclockwise.

Speed Twin 900, Bonneville T100, Bonneville T120, Bonneville T120 Black and Scrambler 900

An adjuster is mounted to the brake lever. The adjuster allows the distance from the handlebar to the brake lever to be changed to suit the span of the rider's hand.

- Push the brake lever forward and turn the adjuster wheel to align one of the numbered positions with the arrow mark on the brake lever holder.



1. **Brake lever (Speed Twin 900 shown)**
2. **Adjuster wheel**
3. **Arrow mark**

- The distance from the handlebar grip to the released brake lever is shortest when set to number five and longest when set to number one.

Clutch Lever Adjuster

⚠ WARNING

Do not attempt to adjust the levers with the motorcycle in motion as this could lead to loss of motorcycle control.

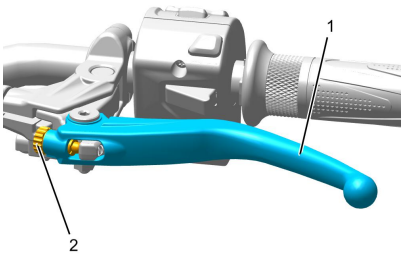
After adjusting the levers, operate the motorcycle in an area free from traffic to gain familiarity with the new lever setting.

Do not loan your motorcycle to anyone as they may change the lever setting from the one you are familiar with, leading to loss of motorcycle control, which could result in serious injury or death.

Speed Twin 1200 and Speed Twin 1200 RS

An adjuster is mounted to the clutch lever. The adjuster allows the distance from the handlebar to the clutch lever to be changed to suit the span of the rider's hand.

- Push the clutch lever forward and turn the adjuster screw in to increase the distance or out to decrease the distance from the handlebar.



1. **Clutch lever (Speed Twin 1200 shown)**
2. **Adjuster screw**

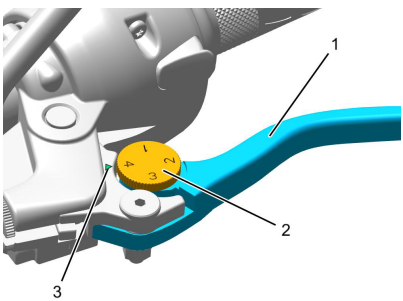
Speed Twin 900

The clutch lever has a fixed span. It is not adjustable.

Bonneville T100, Bonneville T120, Bonneville T120 Black and Scrambler 900

An adjuster is mounted to the clutch lever. The adjuster allows the distance from the handlebar to the clutch lever to be changed to suit the span of the rider's hand.

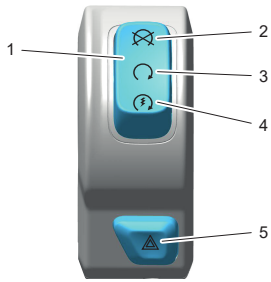
- Push the clutch lever forward and turn the adjuster wheel to align one of the numbered positions with the arrow mark on the clutch lever holder.



1. **Clutch lever (Bonneville T100 shown)**
2. **Adjuster wheel**
3. **Arrow mark**

- The distance from the handlebar grip to the released clutch lever is shortest when set to number four and longest when set to number one.

Right Handlebar Switches - Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900



1. **Engine start/stop switch**
2. **STOP position**
3. **RUN position**
4. **START position**
5. **Hazard warning lights button**

STOP Position

NOTICE

Although the STOP position on the engine start/stop switch stops the engine, it does not turn off all the electrical circuits and may cause difficulty in restarting the engine due to a discharged battery. Ordinarily, only the ignition switch should be used to stop the engine.

Do not leave the ignition switch in the ON position unless the engine is running as this may cause damage to electrical components and will discharge the battery.

The STOP position is for emergency use. If an emergency arises which requires the engine to be stopped, move the engine start/stop switch to the STOP position.

RUN Position

In addition to the ignition switch being turned to the ON position, the engine start/stop switch must be in the RUN position for the motorcycle to operate.

START Position

NOTICE

Even if the clutch lever is pulled to the handlebar, the starter will not operate if the side stand is down and a gear is engaged.

The START position operates the electric starter. For the starter to operate, the clutch lever must be pulled to the handlebar.

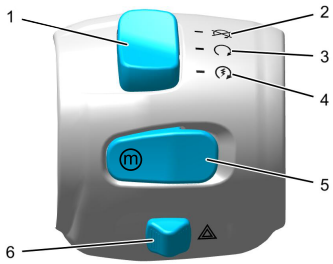
Hazard Warning Lights Button

To turn the hazard warning lights on or off, press and release the hazard warning lights button.

The ignition must be switched ON for the hazard warnings lights to function.

The hazard warning lights will remain on if the ignition is switched OFF, until the hazard warning lights button is pressed again.

Right Handlebar Switches - Bonneville T100, Bonneville T120 and Bonneville T120 Black



1. **Engine start/stop switch**
2. **STOP position**
3. **RUN position**
4. **START position**
5. **MODE button**
6. **Hazard warning lights switch**

STOP Position

NOTICE

Although the STOP position on the engine start/stop switch stops the engine, it does not turn off all the electrical circuits and may cause difficulty in restarting the engine due to a discharged battery. Ordinarily, only the ignition switch should be used to stop the engine.

Do not leave the ignition switch in the ON position unless the engine is running as this may cause damage to electrical components and will discharge the battery.

The STOP position is for emergency use. If an emergency arises which requires the engine to be stopped, move the engine start/stop switch to the STOP position.

RUN Position

In addition to the ignition switch being turned to the ON position, the engine start/stop switch must be in the RUN position for the motorcycle to operate.

START Position

NOTICE

Even if the clutch lever is pulled to the handlebar, the starter will not operate if the side stand is down and a gear is engaged.

The START position operates the electric starter. For the starter to operate, the clutch lever must be pulled to the handlebar.

MODE Button

The MODE button allows throttle response adjustment. Press and release the MODE button to select one of the different riding modes available. For more information, see page 95.

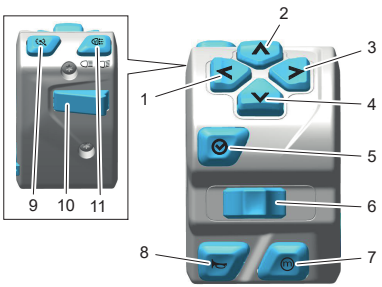
Hazard Warning Lights Switch

To turn the hazard warning lights on or off, push the hazard warning lights switch to the left or right.

The ignition must be switched ON for the hazard warning lights to function.

The hazard warning lights will remain on if the ignition is switched OFF, until the hazard warning lights switch is switched off again.

Left Handlebar Switches - Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900



1. **Left button**
2. **Up button**
3. **Right button**
4. **Down button**
5. **Select button**
6. **Turn signal switch**
7. **MODE button**
8. **Horn button**
9. **Cruise control button (if equipped)**
10. **High beam button**
11. **Automatic Daytime Running Lights (DRL) button (if equipped)**

Navigation Buttons

The navigation buttons are used to operate the following functions of the instruments:

- Up - scroll the menu bottom to top
- Down - scroll the menu top to bottom
- Left - scroll the menu to the left
- Right - scroll the menu to the right.

Select Button

Press the select button to navigate through the instrument menus.

Turn Signal Switch

When the turn signal switch is pushed to the left or right, the corresponding turn signals will flash on and off.

The turn signals can be canceled manually. To manually turn off the turn signals, push and release the turn signal switch in the central position.

Automatic self-canceling turn signals can be activated in the Bike Set Up function on the display, refer to page 72.

When in automatic self canceling mode and the motorcycle stops for any reason, the turn signals will flash for the remainder of the time and distance unless manually canceled by the rider.

MODE Button

When the MODE button is pressed and released it will activate the riding mode display. Further presses of the MODE button will scroll through the available riding modes, see page 60.

Horn Button

When the horn button is pressed, with the ignition switch turned on, the horn will sound.

Cruise Control Button (if equipped)

When the cruise control button is pressed, the cruise control is on standby (amber indicator). A second press of the button will activate cruise control (green indicator).

To turn off the amber indicator, press and hold the cruise control button for three seconds.

Cruise control can be switched on or off at any time but it cannot be activated until certain conditions have been met. For more information, see page 118.

High Beam Button

When the high beam button is pressed the high beam will be switched on. Each press of the button will swap between dip and high beam.

If daytime running lights are installed on the motorcycle, the high beam button has additional functionality.

If the DRL is on, press and hold the high beam button to turn the high beam on. It will remain on as long as the button is held in and will turn off as soon as the button is released.

The headlight will function when the ignition is on. The headlight will go off while pressing the starter button until the engine starts.

A lighting on/off switch is not installed on this model. The tail light and license plate light all function automatically when the ignition is on.

Automatic Daytime Running Lights (DRL) Button (if equipped)

⚠ WARNING

Do not ride for longer than necessary in poor ambient light conditions with the Daytime Running Lights (DRL) in use.

Riding with the DRL when dark, in tunnels or where poor ambient light is apparent may reduce the rider's vision or blind other road users.

Blinding other road users or reduced vision in low ambient light levels may lead to loss of motorcycle control, which could result in serious injury or death.

NOTICE

During daylight hours, the Daytime Running Lights (DRL) improve the visibility of the motorcycle to other road users.

Dipped beam headlights must be used in any other conditions unless the road conditions allow for high beam headlights to be used.

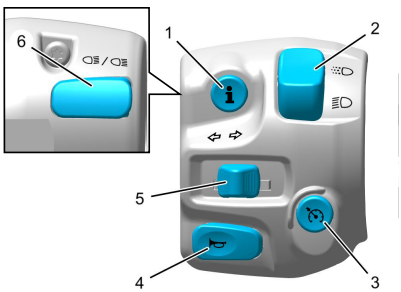
When the ignition is switched ON, the automatic Daytime Running Lights (DRL) feature will be enabled. In this mode, the headlight will automatically switch between DRL and dipped beam depending on the surrounding ambient light brightness.

When the automatic DRL button is pressed, the dipped beam will illuminate.

The DRL indicator light will illuminate in the instrument panel when the DRL are on.

To turn on the automatic DRL, press the button again.

Left Handlebar Switches - Bonneville T100, Bonneville T120 and Bonneville T120 Black



1. **SCROLL button**
2. **Daytime Running Lights (DRL) switch (if equipped)**
3. **Cruise control button (if equipped)**
4. **Horn button**
5. **Turn signal switch**
6. **High beam button**

SCROLL Button

The SCROLL button is used to operate the following functions of the instruments:

- Odometer functions, see page 90
- Trip meter reset, see page 92
- Clock adjustment, see page 93
- Traction control functions, see page 120.

Daytime Running Lights (DRL) Switch (if equipped)

⚠ WARNING

Do not ride for longer than necessary in poor ambient light conditions with the Daytime Running Lights (DRL) in use.

Riding with the DRL when dark, in tunnels or where poor ambient light is apparent may reduce the rider's vision or blind other road users.

Blinding other road users or reduced vision in low ambient light levels may lead to loss of motorcycle control, which could result in serious injury or death.

NOTICE

During daylight hours, the Daytime Running Lights (DRL) improve the visibility of the motorcycle to other road users.

Dipped beam headlights must be used in any other conditions unless the road conditions allow for high beam headlights to be used.

NOTICE

Daytime Running Lights (DRL) are manually operated. They are not automatic.

The Daytime Running Lights (DRL) or dipped beam can be selected with the DRL switch.

To select DRL, push the DRL switch upwards.

To select dipped beam, push the DRL switch downwards.

The DRL indicator light will illuminate in the instrument panel when the DRL are on.

Cruise Control Button (if equipped)

When the cruise control button is pressed, the cruise control is on standby (symbol shown in display screen). A second press of the button will activate cruise control (green indicator).

To turn off the cruise control symbol, press and hold the cruise control button for three seconds.

Cruise control can be switched on or off at any time but it cannot be activated until certain conditions have been met. For more information, see page 118.

Horn Button

When the horn button is pressed, with the ignition switch turned on, the horn will sound.

Turn Signal Switch

When the turn signal switch is pushed to the left or right, the corresponding turn signals will flash on and off.

The indicators can be canceled manually. To manually turn off the indicators, press and release the indicator switch in the central position.

High Beam Button

When the high beam button is pressed the high beam will be switched on. Each press of the button will swap between dip and high beam.

If daytime running lights are installed on the motorcycle, the high beam button has additional functionality.

If the DRL is on, press and hold the high beam button to turn the high beam on. It will remain on as long as the button is held in and will turn off as soon as the button is released.

The headlight will function when the ignition is on. The headlight will go off while pressing the starter button until the engine starts.

A lighting on/off switch is not installed on this model. The tail light and license plate light all function automatically when the ignition is on.

Fuel



The fuel grade required for the motorcycle is stated in the relevant Specifications section. Always check that the correct fuel grade is being used before filling the tank.

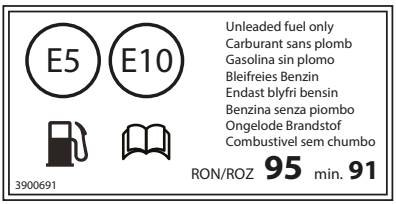
Triumph motorcycles are designed to use unleaded fuel and will give optimum performance if the correct grade of fuel is used.

Fuel grade is described as either Research Octane Number (RON) or Motor Octane Number (MON), or Cost of Living Council (CLC) or Anti-Knock Index (AKI) octane rating (R+M)/2.

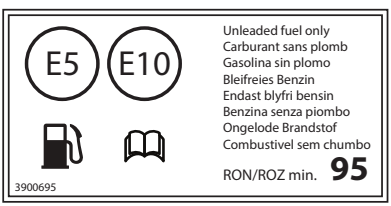
In North America, federal regulations require that pumps delivering unleaded gasoline are marked 'UNLEADED' and that the CLC or AKI octane rating is also displayed. These ratings are an average of the RON and the MON.

Ethanol

In Europe, Triumph motorcycles are compatible with Ethanol E5 and E10 (5% and 10% Ethanol) unleaded fuel.



91 RON Fuel Grade Label Shown



95 RON Fuel Grade Label Shown

In all other markets Ethanol up to E25 (25% Ethanol) may be used.

Engine Calibration

In certain circumstances engine calibration may be required. This should be completed by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

NOTICE

The motorcycle can be permanently damaged if it is allowed to operate with the incorrect grade of fuel or incorrect engine calibration.

Always make sure that the fuel used is of the correct grade and quality.

Damage caused by using the incorrect fuel or engine calibration is not considered a manufacturing defect, and will not be covered under warranty.

NOTICE

In many countries, the exhaust system for this model is equipped with a catalytic converter to help reduce exhaust emission levels.

Use of leaded fuel will damage the catalytic converter. In addition, the catalytic converter can be permanently damaged if the motorcycle is allowed to run out of fuel or if the fuel level is allowed to get very low.

Always make sure you have adequate fuel for your trip.

NOTICE

The use of leaded fuel is illegal in some countries, states or territories.

NOTICE

If detonation ('knocking' or 'pinging') occurs at a steady engine speed under normal load, use a different brand of gasoline or gasoline that has a higher octane rating.

Oxygenated Gasoline

To help in meeting clean air standards, some areas of the U.S. use oxygenated gasoline to help reduce harmful emissions. These gasolines are a blend of conventional gasoline and another compound, such as alcohol. This Triumph motorcycle will give its best performance when using unleaded gasoline. However, the following should be used as a guide if you use any oxygenated fuels.

Ethanol

Ethanol fuel is a mixture of 10% Ethanol and 90% gasoline and is often described under the names 'gasohol', 'Ethanol enhanced', or 'contains Ethanol'. This fuel may be used in your Triumph motorcycle.

MTBE (Methyl Tertiary Butyl Ether)

The use of gasolines containing up to 15% MTBE (Methyl Tertiary Butyl Ether) is permitted in this Triumph motorcycle.

Methanol

Fuels containing methanol should not be used as damage to components in the fuel system can be caused by contact with methanol.

NOTICE

Because of the generally higher volatility of oxygenated fuels, starting, engine response and fuel consumption may be adversely affected by their use. Should any of these difficulties be experienced, run the motorcycle on normal unleaded gasoline.

Refueling

⚠ WARNING

To help reduce hazards associated with refueling, always observe the following fuel safety instructions:

- Gasoline (fuel) is highly flammable and can be explosive under certain conditions. When refueling, turn the ignition switch to the OFF position.

- Do not smoke.

- Do not use a mobile telephone.

- Make sure that the refueling area is well ventilated and free from any source of flame or sparks. This includes any appliance with a pilot light.

- Pay full attention and remain alert while refueling.

- Never fill the tank until the fuel level rises into the filler neck. Heat from sunlight or other sources may cause the fuel to expand and overflow creating a fire hazard.

- After refueling always check that the fuel filler cap is correctly closed.

- Because gasoline (fuel) is highly flammable, any fuel leak or spillage, or any failure to observe the safety advice given above will lead to a fire hazard, which could cause damage to property, serious injury or death.

NOTICE

Avoid filling the tank in rainy or dusty conditions where airborne material can contaminate the fuel.

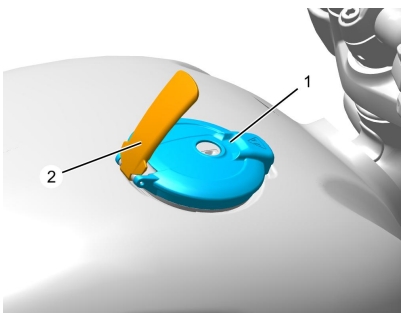
Contaminated fuel may cause damage to fuel system components.

Fuel Tank Cap

Speed Twin 1200 and Speed Twin 1200 RS

To open the fuel tank cap:

- Lift up the cap flap.
- Insert the key into the lock and turn the key clockwise.
- Lift the cap clear of the tank filler neck.



1. **Fuel tank cap (Speed Twin 1200 shown)**
2. **Cap flap**

To close and lock the fuel tank cap:

NOTICE

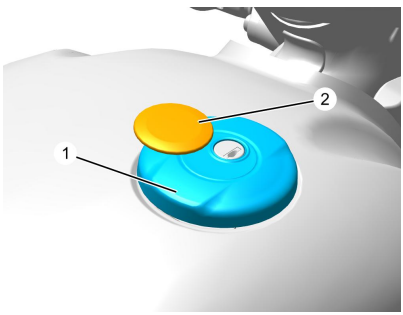
Closing the fuel tank cap without the key inserted will damage the cap, tank and lock mechanism.

- Turn the key clockwise before pushing the cap back into the tank filler neck.
- Turn the key counterclockwise to lock and remove the key.
- Close the cap flap.

Speed Twin 900, Bonneville T100, Bonneville T120, Bonneville T120 Black and Scrambler 900

To open the fuel tank cap:

- Slide the cap cover to the side to show the key lock.
- Insert the key into the lock and turn the key clockwise.
- Lift the cap clear of the tank filler neck.



1. **Fuel tank cap (Speed Twin 900 shown)**
2. **Cap cover**

To close and lock the fuel tank cap:

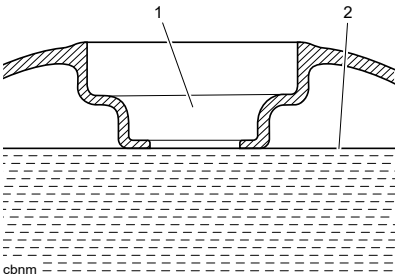
NOTICE

Closing the fuel tank cap without the key inserted will damage the cap, tank and lock mechanism.

- Turn the key clockwise before pushing the cap back into the tank filler neck.
- Turn the key counterclockwise to lock and remove the key.
- Slide the cap cover back into place to hide the lock.

Filling the Fuel Tank

Fill the fuel tank slowly to help prevent spillage. Do not fill the tank to a level above the bottom of the filler neck. This will make sure there is enough air space to allow for fuel expansion if the fuel inside the tank expands through absorption of heat from the engine or from direct sunlight.



1. **Fuel filler neck**
2. **Maximum fuel level**

After refueling always check that the fuel tank cap is correctly closed.

Cruise Control (if equipped)

⚠ WARNING

Cruise control must only be used where you can ride safely at a steady speed.

Cruise control should not be used when riding in heavy traffic, on roads with sharp/blind bends or when they are slippery.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

This motorcycle should be operated within the legal speed limits for the particular road traveled.

Riding a motorcycle at high speeds can be dangerous since the time available to react to a hazard is greatly reduced at high speeds.

Always reduce speed in potentially hazardous driving conditions, such as bad weather or heavy traffic.

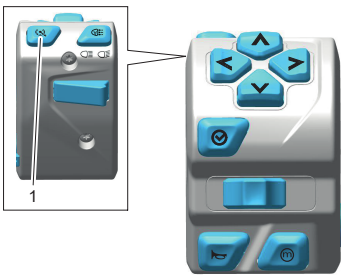
Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

NOTICE

Cruise control may not function if there is a malfunction with the ABS and the ABS warning light is illuminated.

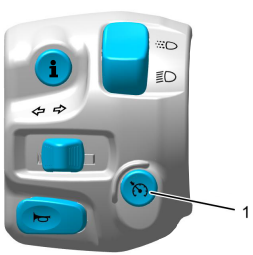
The cruise control button is located on the left hand switch housing and can be operated with minimum movement by the rider.

Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900



1. **Cruise control button (if equipped)**

Bonneville T100, Bonneville T120 and Bonneville T120 Black



1. **Cruise control button (if equipped)**

All Models

Cruise control can be switched on or off at any time, but it cannot be activated until all the conditions described on page 119 have been met.

Activating Cruise Control

The following conditions must be met to activate cruise control:

- The motorcycle must be traveling at a speed between 19 to 100 mph (30 to 160 km/h).
- The motorcycle must be in 2nd gear or higher.

Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900

To activate cruise control:

- Press the cruise control button to turn the cruise control system on. The cruise control indicator light will be shown in amber, indicating that the cruise control is on standby.
- When the required cruising speed is achieved, press the cruise control button again to activate the cruise control. The cruise control indicator light will be shown in green, indicating that the cruise control is active.



1. **Cruise control indicator light**

Bonneville T100, Bonneville T120 and Bonneville T120 Black

To activate cruise control:

- Press the cruise control button to turn the cruise control system on. The cruise control symbol will be shown in the display screen, indicating that the cruise control is on standby.
- When the required cruising speed is achieved, press the cruise control button again to activate the cruise control. The cruise control indicator light will be shown in green, indicating that the cruise control is active.



1. **Cruise control indicator light**
2. **Cruise control symbol**

Deactivating Cruise Control

The cruise control can be deactivated by one of the following methods:

- Roll the throttle twist grip fully forward.
- Pull the clutch lever.
- Operate the front or rear brake.
- Increase speed by using the throttle for more than one second.

Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900

Upon deactivation, the cruise control indicator light will be shown in amber (standby).

Cruise control can be changed from standby to off by holding the cruise control button for three seconds.

Bonneville T100, Bonneville T120 and Bonneville T120 Black

Upon deactivation, the cruise control symbol will be shown (standby) and the cruise control indicator light will go off.

Cruise control can be changed from standby to off by holding the cruise control button for three seconds.

Traction Control (TC)

⚠ WARNING

The traction control and optimized cornering traction control systems are not a substitute for riding appropriately for the prevailing surface and weather conditions. The systems cannot prevent loss of traction due to; excessive speed when entering turns, accelerating at a sharp lean angle and braking.

Traction control or optimized cornering traction control cannot prevent the front wheel from slipping.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

NOTICE

Traction control will not function if there is a malfunction with the ABS. The warning lights for the ABS, traction control and the MIL will be illuminated.

Traction Control (TC) is a system that helps to maintain traction when accelerating on wet/slippery road surfaces. If sensors detect that the rear wheel is losing traction (slipping), the traction control system will engage and alter the engine power until traction to the rear wheel has been restored.

The traction control indicator light will flash while the system is engaged and the rider may notice a change to the sound of the engine.

Optimized Cornering Traction Control (OCTC)

⚠ WARNING

If the Traction Control (TC) system is not functioning, care must be taken when accelerating and cornering on wet/slippery road surfaces to avoid rear wheel spin.

In the event of a fault, the TC disabled warning light may be accompanied by the engine management system malfunction indicator light and/or the ABS warning light.

Do not continue to ride for longer than is necessary with any of the above warning lights illuminated. Contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Hard acceleration and cornering may cause the rear wheel to spin, leading to loss of motorcycle control which could result in serious injury or death.

⚠ WARNING

If a fault occurs with the Optimized Cornering Traction Control (OCTC) system, the Traction Control (TC) disabled warning light will illuminate and a message will be shown in the display.

In this situation, the TC system will continue to operate but without the optimized cornering function, provided that:

- There are no other faults with the TC system.

- TC has NOT been disabled by the rider.

Care must be taken when accelerating and cornering on wet/slippery road surfaces to avoid rear wheel spin.

In the event of a fault, the TC disabled warning light may be accompanied by the engine management system malfunction indicator light and/or the ABS warning light.

Do not continue to ride for longer than is necessary with any of the above warning lights illuminated. The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Hard acceleration and cornering in this situation may cause the rear wheel to spin leading to loss of motorcycle control which could result in serious injury or death.

Optimized Cornering Traction Control (OCTC) is a system designed to give the rider increased control should the Traction Control (TC) be activated while the motorcycle is leaning in a corner.

The system constantly monitors the lean angle of the motorcycle and adapts the level of traction control intervention to maintain rear wheel traction during cornering.

NOTICE

Optimized cornering traction control may not function if there is a malfunction with the ABS. The warning lights for the ABS, TC and the MIL may be illuminated.

For full details of the TC disabled warning light operation and its associated instrument warning messages, see:

- page 48 for Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900.
- page 88 for Bonneville T100, Bonneville T120 and Bonneville T120 Black.

Traction Control Settings

⚠ WARNING

Do not attempt to adjust the traction control settings while the motorcycle is in motion.

Adjusting the traction control settings while riding the motorcycle is dangerous.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

If the traction control is disabled, the motorcycle will handle as normal but without traction control.

In this situation, accelerating too hard on wet/slippery road surfaces may cause the rear wheel to slip.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900

The traction control system can be disabled as described in Bike Setup on page 72, or set to the conditions described in Riding Mode Configuration on page 68.

If traction control is turned OFF, the TC disabled warning light will be illuminated.

The traction control defaults to ON after the ignition has been switched OFF and then switched ON again.

Bonneville T100, Bonneville T120 and Bonneville T120 Black

The Traction Control (TC) system can be temporarily disabled. The TC system cannot be permanently disabled, it will be automatically enabled when the ignition is turned off and then on again.

To enable or disable the TC system:

- Make sure the motorcycle is stationary and in neutral.
- Turn the ignition to the ON position and put the engine start/stop switch in the RUN position.
- Press and release the SCROLL button, located on the left hand switch housing, until 'ttc On' is shown in the display.



1. **Traction control ON**

- Press and hold the SCROLL button for more than one second to change between 'ttc On' and 'ttcOFF'.



1. **Traction control OFF**

Tire Pressure Monitoring System (TPMS) (if equipped)



WARNING

The daily check of tire pressures must not be excluded because of the installation of the Tire Pressure Monitoring System (TPMS).

The TPMS is not to be used as a tire pressure gage when adjusting the tire pressures.

For correct tire pressures, always check the tire pressures when the tires are cold using an accurate tire pressure gage.

Use of the TPMS system to set inflation pressures may lead to incorrect tire pressures, leading to loss of motorcycle control, which could result in serious injury or death.

NOTICE

The Tire Pressure Monitoring System (TPMS) is available as an accessory option and must be installed by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

The TPMS display on the instruments will only be activated when the system has been installed.

Tire pressure sensors are mounted to the front and rear wheels. These sensors measure the air pressure inside the tire and transmit pressure data to the instruments. These sensors will not transmit the data until the motorcycle is traveling at a speed greater than 12 mph (20 km/h). Two dashes will be shown in the display area until the tire pressure signal is received.

An adhesive label will be mounted to the wheel rim to indicate the position of the tire pressure sensor, which is near the valve.

Tire Pressures

WARNING

The Tire Pressure Monitoring System (TPMS) is not to be used as a tire pressure gage when adjusting the tire pressures.

For correct tire pressures, always check the tire pressures when the tires are cold using an accurate tire pressure gage.

Use of the TPMS system to set inflation pressures may lead to incorrect tire pressures, leading to loss of motorcycle control, which could result in serious injury or death.

NOTICE

Do not use anti puncture fluid or any other item likely to obstruct air flow to the TPMS sensors' orifices. Any blockage to the air pressure orifice of the TPMS sensor during operation will cause the sensor to become blocked, causing irreparable damage to the TPMS sensor assembly.

Damage caused by the use of anti-puncture fluid or incorrect maintenance is not considered a manufacturing defect and will not be covered under warranty.

Always have the tires mounted by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer. It is important to inform them that tire pressure sensors are installed on the wheels before they remove the tires.

NOTICE

An adhesive label is installed to the wheel rim to indicate the position of the tire pressure sensor.

Care must be taken when replacing the tires to prevent any damage to the tire pressure sensors.

Always have the tires mounted by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer. It is important to inform them that tire pressure sensors are installed on the wheels before they remove the tires.

The tire pressures shown on the instrument panel indicate the actual tire pressure at the time of selecting the display. This may differ from the inflation pressure set when the tires are cold because tires become warmer during riding, causing the air in the tire to expand and the pressure to increase. The cold inflation pressures specified by Triumph take account of this.

The tire pressures must only be adjusted when the tires are cold and using an accurate tire pressure gage. The tire pressure display on the instruments must not be used when adjusting the tire pressure. For the recommended tire pressures, see the Specification section.

Tire Pressure Sensor Batteries

When the battery voltage in a pressure sensor is low, a message will be shown in the instrument display and the TPMS symbol or message will indicate which wheel sensor has the low battery voltage.

If the batteries are fully discharged, only dashes will be shown in the instrument display, the red TPMS warning light will be on and the TPMS symbol will flash continuously.

Contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer, to have the sensor replaced and the new serial number recorded in the spaces provided in the Motorcycle Service Handbook.

If the TPMS symbol flashes continuously or the TPMS warning light remains on with the ignition turned ON, there is a fault with the TPMS system. The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Tire Pressure Sensor Serial Number

The serial number for the tire pressure sensor is printed on a label attached to the sensor. This number may be required for service or diagnostics.

When the tire pressure monitoring system is being installed on the motorcycle, make sure that the serial numbers of the front and rear tire pressure sensors are recorded in the spaces provided in the Motorcycle Service Handbook.

Replacement Tires

When replacing tires, contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer to mount your tires and make sure they are aware that tire pressure sensors are mounted to the wheels.

Stands

Side Stand

⚠ WARNING

The motorcycle is equipped with an interlock system to prevent it from being ridden with the side stand in the down position.

Never attempt to ride with the side stand down or interfere with the interlock mechanism, as this will cause a dangerous riding condition.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

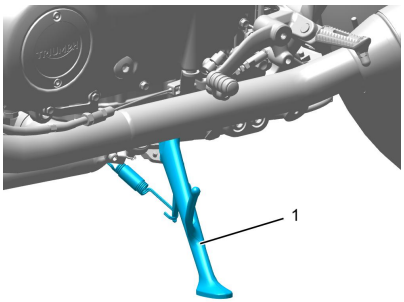
⚠ CAUTION

Do not lean, sit or climb on the motorcycle when it is supported on the side stand.

This may cause the motorcycle to fall over, or cause severe damage to the side stand or motorcycle frame.

Failure to follow the advice above could result in minor to moderate injury.

The motorcycle is equipped with a side stand on which it can be parked.



1. Side stand (Speed Twin 1200 shown)

When using the side stand, always turn the handlebars fully to the left and leave the motorcycle in first gear.

Whenever the side stand is used, before riding, always make sure that the stand is fully up after first sitting on the motorcycle.

For instructions on safe parking, see page 155.

Center Stand (if equipped)

⚠ CAUTION

Do not lean, sit or climb on the motorcycle when it is supported on the center stand.

This may cause the motorcycle to fall over.

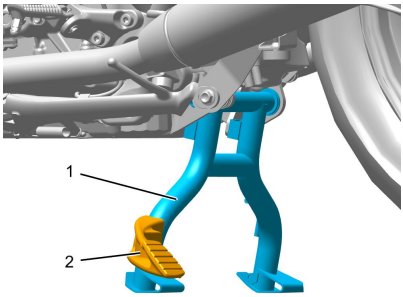
Failure to follow the advice above could result in minor to moderate injury.

NOTICE

Do not use body panels or the seat as a handhold when placing the motorcycle on the center stand as this will cause damage.

To set the motorcycle on the center stand:

- Hold the motorcycle upright.
- Step down firmly on the foot finder part of the stand.



1. Center stand (Speed Twin 900 shown)
2. Foot finder

- Lift the motorcycle up and to the rear using the rear frame as a handhold.

For instructions on safe parking, see page 155.

Seats

Seat Care

For seat cleaning information, see page 250.

Seat Lock

⚠ WARNING

To prevent detachment of the seat during riding, after installation always grasp the seat and pull firmly upwards.

If the seat is not correctly secured in the lock, it will detach from the lock.

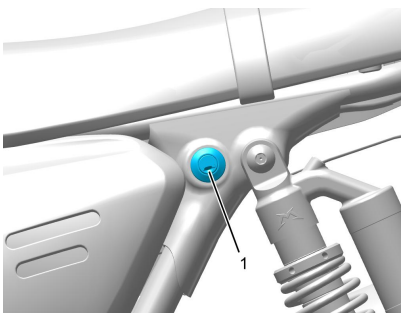
A loose or detached seat may lead to loss of motorcycle control which could result in serious injury or death.

NOTICE

The motorcycle must not be ridden with the key in the seat lock.

Always lock the seat and remove the key before riding the motorcycle.

The seat lock is located on the left hand side of the motorcycle, on the frame below the seat.



1. Seat lock (Speed Twin 1200 shown)

Seat - Removal

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

NOTICE

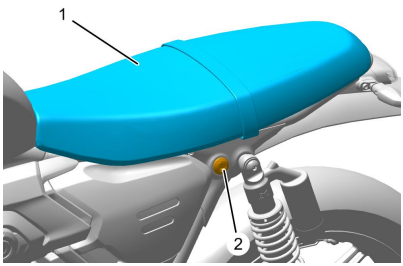
To prevent damage to the seats or seat covers, care must be taken not to drop the seats.

Do not lean the seats against the motorcycle or any surface which may damage the seats or seat covers. Instead, place the seats, with the seat cover facing upwards, on a clean, flat surface which is covered with a soft cloth.

Do not place any item on the seats which may cause damage or staining to the seat covers.

Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900, Bonneville T100, Bonneville T120 and Bonneville T120 Black

- Insert the ignition key into the seat lock and turn it counterclockwise while pressing down on the rear of the seat.
- Lift the seat up from the back and slide rearwards for complete removal from the motorcycle.



1. **Seat (Speed Twin 1200 shown)**
2. **Seat lock**

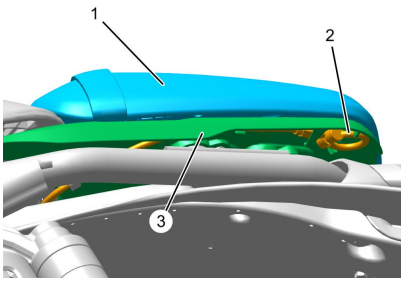
Scrambler 900

Passenger Seat

NOTICE

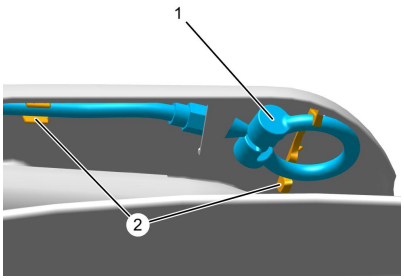
The passenger seat must be removed before removing the rider's seat.

- Unclip the lock release from the underside of the frame cowl at the rear of the seat.
- Pull the lock release rearwards to release the seat from its lock, and lift the seat up from the back and slide rearwards to detach it from the frame cowl.



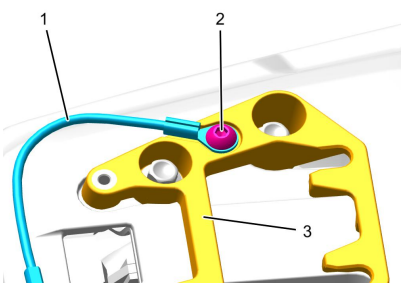
1. **Passenger seat**
2. **Lock release**
3. **Frame cowl**

- Clip the lock release into its retaining clips on the underside of the frame cowl.



1. **Lock release**
2. **Retaining clips**

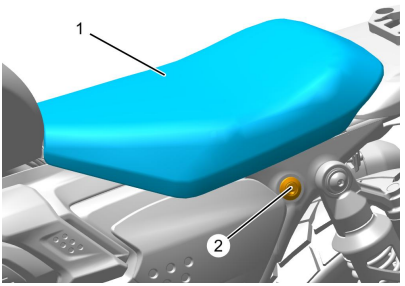
- For complete removal of the passenger seat, release the fastener securing the lanyard to the luggage rack subframe.



1. **Lanyard**
2. **Fastener**
3. **Luggage rack subframe**

Rider's Seat

- Remove the passenger seat as described above.
- Insert the ignition key into the seat lock and turn it counterclockwise while pressing down on the rear of the seat.
- Lift the seat up from the back and slide rearwards for complete removal from the motorcycle.



1. **Rider's seat**
2. **Seat lock**

Seat - Installation

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

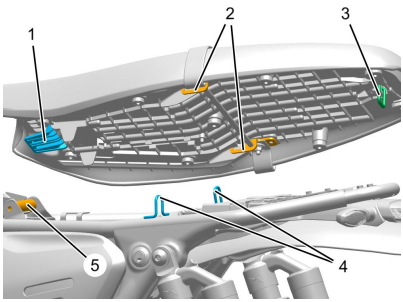
Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900, Bonneville T100, Bonneville T120 and Bonneville T120 Black

- Align the two locating tangs in the middle of the seat with the locating slots on the frame.
- Engage the seat tongue under the fuel tank bracket.

NOTICE

An audible click can be heard when the seat is correctly engaged in the lock.

- Press firmly down in the rear of the seat to engage the seat lock.



1. **Seat tongue (Speed Twin 1200 shown)**
2. **Locating tangs**
3. **Seat lock**
4. **Locating slots**
5. **Fuel tank bracket**

⚠ WARNING

To prevent detachment of the seat during riding, after installation always grasp the seat and pull firmly upwards.

If the seat is not correctly secured in the lock, it will detach from the lock.

A loose or detached seat may lead to loss of motorcycle control which could result in serious injury or death.

- Grasp the seat and pull firmly upwards to make sure that it is securely retained.

Scrambler 900

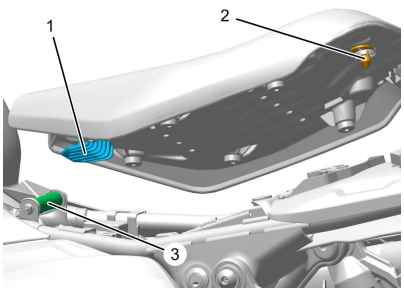
Rider's Seat

- Engage the seat tongue under the fuel tank bracket.

NOTICE

An audible click can be heard when the seat is correctly engaged in the lock.

- Press firmly down in the rear of the seat to engage the seat lock.



1. **Seat tongue**
2. **Seat lock**
3. **Fuel tank bracket**

⚠ WARNING

To prevent detachment of the seat during riding, after installation always grasp the seat and pull firmly upwards.

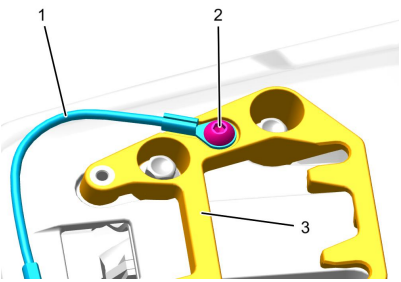
If the seat is not correctly secured in the lock, it will detach from the lock.

A loose or detached seat may lead to loss of motorcycle control which could result in serious injury or death.

- Grasp the seat and pull firmly upwards to make sure that it is securely retained.
- Install the passenger seat as follows.

Passenger Seat

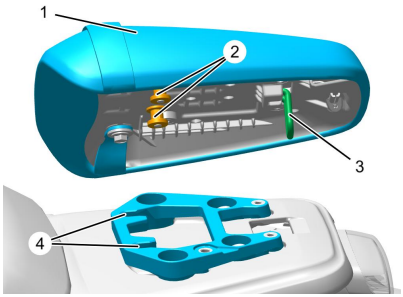
- If removed, reinstall the rider's seat.
- Attach the lanyard to the luggage rack subframe as shown in the illustration below and tighten the fastener to 89 lbf in (10 Nm).



1. **Lanyard**
2. **Fastener**
3. **Luggage rack subframe**

- To reinstall the passenger seat, align the pegs on the seat base to the two locating slots on the luggage rack subframe, and slide the seat forward until the pegs are engaged into the seat.

- Press firmly down in the rear of the seat to engage the seat lock.



1. **Passenger seat**
2. **Pegs**
3. **Seat lock**
4. **Locating slots**

⚠ WARNING

To prevent detachment of the seat during riding, after installation always grasp the seat and pull firmly upwards.

If the seat is not correctly secured in the lock, it will detach from the lock.

A loose or detached seat may lead to loss of motorcycle control which could result in serious injury or death.

- Grasp the seat and pull firmly upwards to make sure that it is securely retained.

Side Panels

Side Panels - Removal

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

⚠ CAUTION

If the engine has recently been running, the exhaust components may be hot to the touch.

To avoid skin damage, always allow the hot parts to cool before touching the exhaust system.

Contact with the hot components may cause minor to moderate injury to exposed skin.

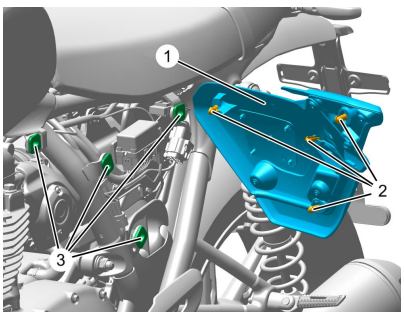
- If required, remove the seat, see page 128.

Speed Twin 1200 and Speed Twin 1200 RS

Left Hand Side Panel

The left hand side panel can be removed to gain access to fuse box 1.

- Grasp the panel firmly and pull the panel away from the motorcycle until the four spigots clear the retaining grommets (leaving the grommets in place).



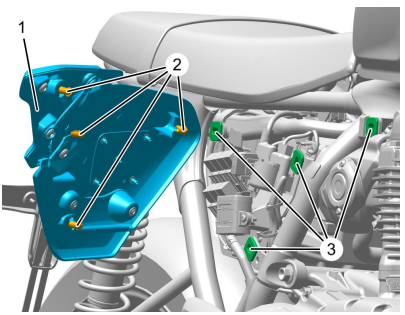
1. **Side panel (Speed Twin 1200 shown)**
2. **Spigots**
3. **Grommets**

Speed Twin 1200, Speed Twin 1200 RS and Speed Twin 900

Right Hand Side Panel

The right hand side panel can be removed to gain access to the rear brake fluid reservoir and the main fuse.

- Grasp the panel firmly and pull the panel away from the motorcycle until the four spigots clear the retaining grommets (leaving the grommets in place).



1. **Side panel (Speed Twin 1200 shown)**
2. **Spigots**
3. **Grommets**

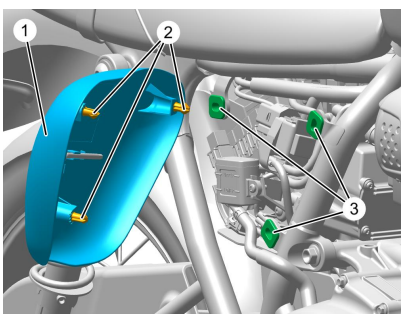
Bonneville T100, Bonneville T120 and Bonneville T120 Black

NOTICE

The removal of the left hand side panel is the same as the right hand side panel.

The right hand side panel can be removed to gain access to the rear brake fluid reservoir, the main fuse and the adjustment tool.

- Grasp the panel firmly and pull the panel away from the motorcycle until the three spigots clear the retaining grommets (leaving the grommets in place).



1. **Side panel (Bonneville T100 shown)**
2. **Spigots**
3. **Grommets**

Scrambler 900

Right Hand Side Panel

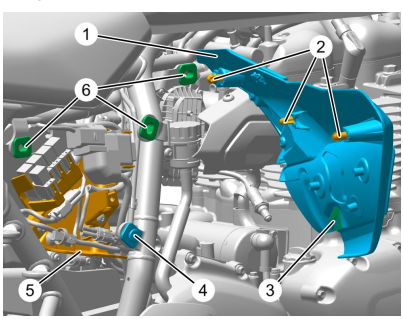
NOTICE

It is not necessary to remove the exhaust system to remove the right hand side panel.

When removing the side panel, care must be taken to avoid contact with the exhaust system to prevent damage to the exhaust system and/or side panel.

The right hand side panel can be removed to gain access to the rear brake fluid reservoir and the main fuse.

- Grasp the panel firmly at the top and pull the panel away from the motorcycle until the three spigots clear the retaining grommets (leaving the grommets in place).
- Slide the panel rearwards and lift up to detach the panel from the lower grommet.



1. **Side panel (exhaust system removed for clarity)**
2. **Spigots**
3. **Side panel locating slot**
4. **Lower grommet**
5. **Inner side panel**
6. **Grommets**

Side Panels - Installation

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

⚠ CAUTION

If the engine has recently been running, the exhaust components may be hot to the touch.

To avoid skin damage, always allow the hot parts to cool before touching the exhaust system.

Contact with the hot components may cause minor to moderate injury to exposed skin.

NOTICE

Before mounting the side panel, make sure the spigots and grommets are clean, and free from lubricant or grease.

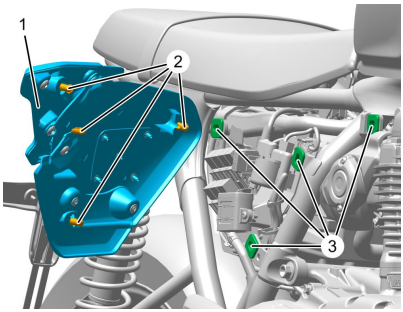
Lubricant or grease on the spigots or grommets may cause the side panel to become loose while riding the motorcycle.

Speed Twin 1200, Speed Twin 1200 RS and Speed Twin 900

NOTICE

The installation of the left hand side panel is the same as the right hand side panel.

- Position the four spigots to the retaining grommets, then press firmly to secure the panel.
- Grasp the panel and make sure that it is fully retained.



1. **Side panel (Speed Twin 1200 shown)**
2. **Spigots**
3. **Grommets**

Bonneville T100, Bonneville T120 and Bonneville T120 Black

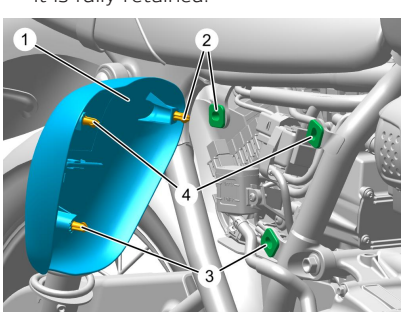
NOTICE

The installation of the left hand side panel is the same as the right hand side panel.

NOTICE

When mounting the side panel, make sure the front edge of the side panel does not damage the air intake finisher.

- Position the rear spigot (2) to its retaining grommet, then align the two front spigots (3 and 4) to their retaining grommets.
- Press the rear spigot (2) into its retaining grommet, then press the front lower spigot (3) followed by the front upper spigot (4) into their retaining grommets.
- Grasp the panel and make sure that it is fully retained.



1. **Side panel (Bonneville T100 shown)**
2. **Rear spigot and grommet**
3. **Front lower spigot and grommet**
4. **Front upper spigot and grommet**

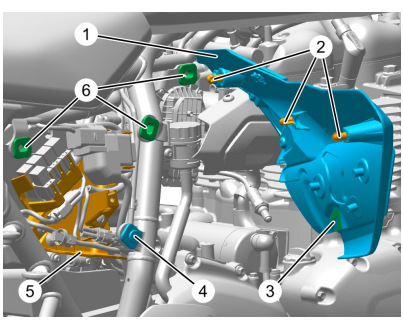
Scrambler 900

Right Hand Side Panel

NOTICE

When mounting the side panel, make sure the lower edge of the side panel is hooked under the inner side panel.

- Position the side panel locating slot on to the lower grommet and slide the panel forward to attach the bottom of the side panel.
- Position the three spigots to the retaining grommets, then press firmly to secure the panel.
- Grasp the panel and make sure that it is fully retained.



1. **Side panel (exhaust system removed for clarity)**
2. **Spigots**
3. **Side panel locating slot**
4. **Lower grommet**
5. **Inner side panel**
6. **Grommets**

All Models

- If required, reinstall the seat, see page 131.

Owner's Handbook and Tool Kit

Owner's Handbook/Quick Start Guide

The Owner's Handbook or Quick Start Guide is supplied with the motorcycle.

Tool Kit

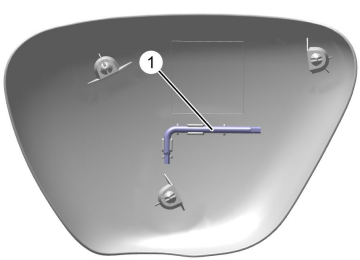
Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900

A tool kit is not supplied with the motorcycle.

Bonneville T100, Bonneville T120 and Bonneville T120 Black

The tool kit consists of an adjustment tool.

The adjustment tool is attached to the inside of the right hand side panel.



1. Adjustment tool (Bonneville T100 shown)

Helmet Hook (if fitted)

⚠ WARNING

Never ride the motorcycle with helmet(s) secured to the helmet hook.

Riding the motorcycle with helmet(s) secured to the helmet hooks may cause the motorcycle to become unstable.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

NOTICE

Do not allow helmet(s) to rest against a hot muffler. The helmet may be damaged.

A helmet can be secured to the motorcycle using the helmet hook located on the left hand side of the motorcycle, beneath the seat.

To attach a helmet to the motorcycle:

- Remove the seat, see page 128.
- Loop the helmet chin strap over the hook.
- Make sure the flat area above the hook is not obstructed by the helmet strap, as this will prevent the seat engaging correctly.
- To secure the helmet, install the seat and lock into position.

Universal Serial Bus (USB) Socket

⚠ DANGER

Do not use a mobile phone or adjust any GPS device while the motorcycle is in motion.

Telephone calls, texting or any attempt to use your mobile device for any purpose while riding the motorcycle is dangerous.

Failure to follow the advice above will result in serious injury or death.

⚠ WARNING

Make sure that all electronic devices and adapter cables are safely secured when riding. Check adapter cables do not bind or restrict the operation of the steering and other controls.

Electronic devices and adapter cables that are not secure may restrict the movement of the steering and affect the handling, stability or other aspects of the motorcycle's operation.

Any electronic devices or adapter cables that will restrict the steering and other controls may lead to loss of motorcycle control which could result in serious injury or death.

⚠ WARNING

The USB sockets are not waterproof unless the waterproof cap is installed. Do not connect electronic devices while it is raining.

Water in a USB socket could lead to an electrical problem resulting in motorcycle damage, which may affect the handling, stability or other aspects of the motorcycle operation.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

NOTICE

The USB socket is susceptible to water ingress with the cover open. Do not connect adapter cables to the USB socket while it is raining or in wet conditions.

Water in the USB socket could lead to corrosion which may adversely affect the function of the device.

NOTICE

Do not leave the ignition switch in the ON position unless the engine is running as this will discharge the battery.

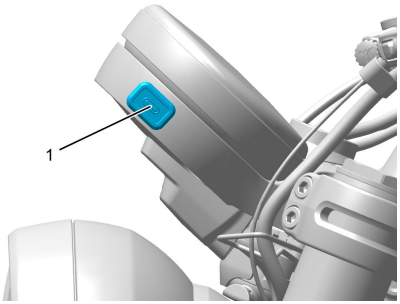
The Universal Serial Bus (USB) socket allows a USB-C connection for fast charging electronic devices such as mobile phones, cameras and GPS devices using the QC 3.0 standard.

For devices that do not support fast charging a standard five Volt supply will be provided.

Loads up to a maximum of three Amps can be connected to the USB-C socket.

The USB-C socket is located on the left hand side within the instrument mounting.

- Remove the cap from the USB-C socket.



1. USB-C socket (Speed Twin 1200 shown)

NOTICE

Adapter cables are not supplied with the motorcycle.

- Plug the USB-C adapter cable into the socket.
- Always reinstall the cap when disconnecting the adapter cable to avoid water ingress.

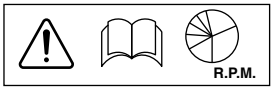
Charging Electronic Devices

When charging an electronic device using the USB socket note the following:

- Make sure the device is secured while riding the motorcycle to avoid loss or damage to the device.
- Make sure the device is protected against water damage.
- If carrying the device in a pocket, rucksack or luggage, take care not to damage the device or adapter cable when dismounting the motorcycle. Disconnect the device before dismounting.
- Make sure the adapter cable is an appropriate length. Avoid cables that are either too long or too short.

Triumph does not accept any liability whatsoever for loss or damage to any electronic devices when using the USB socket.

Breaking-In



Breaking-in is the name given to the process that occurs during the first hours of a new vehicle's operation.

In particular, internal friction in the engine will be higher when components are new. Later on, when continued operation of the engine has ensured that the components have 'bedded in', this internal friction will be greatly reduced.

A period of careful breaking-in will ensure lower exhaust emissions, and will optimize performance, fuel economy and longevity of the engine and other motorcycle components.

During the first 600 miles (1,000 km):

- Do not use full throttle.
- Avoid high engine speeds at all times.
- Avoid riding at one constant engine speed, whether fast or slow, for a long period of time.
- Avoid aggressive starts, stops, and rapid accelerations, except in an emergency.
- Do not ride at speeds greater than 3/4 of maximum engine speed.

From 600 to 1,000 miles (1,000 to 1,500 km):

- Engine speed can gradually be increased to the maximum engine speed for short periods.

Both during and after breaking-in has been completed:

- Do not over-rev the engine when cold.
- Do not lug the engine. Always downshift before the engine begins to 'struggle'.
- Do not ride with engine speeds unnecessarily high. Shifting up a gear helps reduce fuel consumption, reduces noise and helps to protect the environment.

Daily Safety Checks



⚠ WARNING

Always perform the daily safety checks every day before you ride the motorcycle.

Failure to perform these daily safety checks may lead to loss of motorcycle control, which could result in motorcycle damage, serious injury or death.

Check the following items each day before you ride. The time required is minimal, and these checks will help ensure a safe, reliable ride.

If any irregularities are found during these checks, refer to the Maintenance and Adjustment section or contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer for the action required to return the motorcycle to a safe operating condition.

Check:

Fuel: Adequate supply in tank, no fuel leaks (see page 114).

Engine Oil: Correct level on dipstick or shown in sight glass. Add correct specification oil as required. No leaks from the engine or oil cooler (see page 174).

Drive Chain: Correct adjustment (see page 186).

Tires/Wheels: Correct inflation pressures (when cold). Tread depth/wear, tire/wheel damage, loose/broken spokes, punctures etc. (see page 219).

Nuts, Bolts, Fasteners: Visually check that steering and suspension components, axles, and all controls are properly tightened or fastened. Inspect all areas for loose/damaged fasteners.

Steering Action: Smooth but not loose from lock to lock. No binding of any of the control cables (see page 207).

Brakes: Pull the brake lever and push the brake pedal to check for correct resistance. Investigate any lever/pedal where the travel is excessive before meeting resistance, or if either control feels spongy in operation (see page 193).

Brake Pads: Check that the correct amount of friction material is remaining on all the brake pads (see page 194 and page 195).

Brake Fluid Levels: No brake fluid leakage. Brake fluid levels must be between the MAX and MIN marks on both reservoirs (see page 196).

Front Forks: Smooth action. No fork oil leakage (see page 210).

Throttle: Make sure that the throttle grip returns to the idle position without sticking (see page 183).

Clutch: Smooth operation and correct cable free play (see page 184).

Coolant: No coolant leakage. Check the coolant level in the expansion tank (when the engine is cold) (see page 180).

Electrical Equipment: All lights and the horn function correctly (see page 110 and page 112).

Engine Stop: Engine start/stop switch turns the engine OFF when the switch is moved to the STOP position (see page 108 and page 109).

Stands: Returns to the fully up position by spring tension. Return springs not weak or damaged (see page 126).

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Table of Contents

Stopping the Engine 146
Starting the Engine 147
Moving Off 148
Changing Gears 149
Triumph Shift Assist (TSA) (if equipped) 150
Braking 151
    Anti-lock Braking System (ABS) 153
    Optimized Cornering ABS (OCABS) 154
Parking 155
Considerations for High Speed Operation 156

Stopping the Engine

⚠ WARNING

Do not stop the engine using the ignition switch or engine start/stop switch while the motorcycle is moving.

Always bring the motorcycle to a stop safely and engage neutral gear prior to stopping the engine.

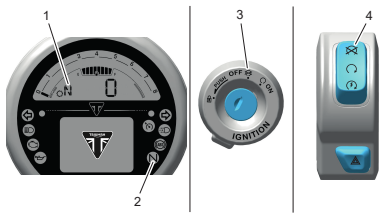
Stopping the engine by turning off the ignition or engine start/stop switch while the motorcycle is moving can lock the rear wheel, leading to loss of motorcycle control which could result in serious injury or death.

NOTICE

Although the STOP position on the engine start/stop switch stops the engine, it does not turn off all the electrical circuits and may cause difficulty in restarting the engine due to a discharged battery. Ordinarily, only the ignition switch should be used to stop the engine.

Do not leave the ignition switch in the ON position unless the engine is running as this may cause damage to electrical components and will discharge the battery.

Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900



1. **Neutral indicator**
2. **Neutral indicator light**
3. **OFF position on the ignition switch**
4. **STOP position on the engine start/stop switch**

Bonneville T100, Bonneville T120 and Bonneville T120 Black



1. **Neutral indicator**
2. **OFF position on the ignition switch**
3. **STOP position on the engine start/stop switch**

All Models

- Close the throttle completely.
- Select neutral.
- Turn the ignition switch to the OFF position.
- Select first gear.
- Support the motorcycle on a firm, level surface with the side stand, see page 155.
- Lock the steering.

Starting the Engine

⚠ DANGER

Never start the engine or run the engine in a confined area.

Always operate the motorcycle in the open air or in an area with adequate ventilation.

Exhaust fumes are poisonous and will cause loss of consciousness and death within a short period of time.

NOTICE

Do not operate the starter continuously for more than five seconds as the starter motor will overheat and the battery will become discharged.

Wait 15 seconds between each operation of the starter to allow for cooling and recovery of battery power.

An engine that idles for long periods of time may lead to overheating, which will cause damage to the engine.

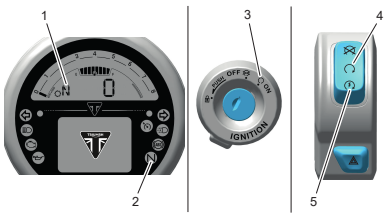
NOTICE

The low oil pressure warning light should go out shortly after the engine starts.

If the low oil pressure warning light remains on after starting the engine, stop the engine immediately and investigate the cause.

Running the engine with low oil pressure will cause severe engine damage.

Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900



1. **Neutral indicator**
2. **Neutral indicator light**
3. **ON position on the ignition switch**
4. **RUN position on the engine start/stop switch**
5. **START position on the engine start/stop switch**

Bonneville T100, Bonneville T120 and Bonneville T120 Black



1. **Neutral indicator**
2. **ON position on the ignition switch**
3. **RUN position on the engine start/stop switch**
4. **START position on the engine start/stop switch**

All Models

- Check that the engine start/stop switch is in the RUN position.
- Make sure the transmission is in neutral.
- Pull the clutch lever fully into the handlebar.

NOTICE

When the ignition is switched on, the instrument warning lights will illuminate and will then go off (except those which normally remain on until the engine starts).

There is a transponder within the ignition keys to turn off the engine immobilizer.

Only have one of the ignition keys near the ignition switch. Two ignition keys near the ignition switch may interrupt the signal between the transponder and the engine immobilizer.

In this situation, the engine immobilizer will remain active until one of the ignition keys is removed.

- Turn the ignition switch to the ON position.
- Leaving the throttle fully closed, push the starter button until the engine starts.
- Slowly release the clutch lever.

The motorcycle is equipped with starter lockout switches. The switches prevent the electric starter from operating when a gear is engaged with the side stand down.

If the side stand is extended while the engine is running, and the transmission is not in neutral, the engine will stop regardless of clutch position.

Moving Off

- Pull in the clutch lever and select first gear.
- Open the throttle a little and let out the clutch lever slowly.
- As the clutch starts to engage, open the throttle a little more, allowing enough engine speed to avoid stalling.

Changing Gears

⚠ WARNING

Take care to avoid opening the throttle too far or too fast in any of the lower gears, as this can lead to the front wheel lifting from the ground (pulling a 'wheelie') and to the rear tire breaking traction (wheel spin).

Always open the throttle cautiously, particularly if you are unfamiliar with the motorcycle.

Pulling a 'wheelie' or loss of traction may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Do not shift to a lower gear at speeds that will cause excessive engine rpm (r/min).

Shifting down should be done such that low engine speeds will be ensured.

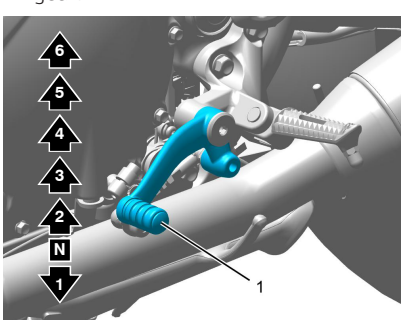
Shifting to a lower gear at high speed can lock the rear wheel, leading to loss of motorcycle control, which could result in serious injury or death.

NOTICE

The gear shift mechanism is the 'positive stop' type. This means that, for each movement of the gear shift pedal, you can only select each gear, one after the other, in ascending or descending order.

For models equipped with Triumph Shift Assist (TSA), see page 150.

- Close the throttle while pulling in the clutch lever.
- Shift into the next higher or lower gear.
- Open the throttle part way, while releasing the clutch lever.
- Always use the clutch when shifting gear.



1. **Gear shift pedal (Speed Twin 1200 shown - 6 speed)**

Triumph Shift Assist (TSA) (if equipped)

NOTICE

If there is a TSA system fault when riding, the TSA system will be disabled.

Use the clutch to shift gears in the normal way, otherwise damage to the engine or gear box may occur.

The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

NOTICE

Shifting gears must be completed with a quick and forceful pedal movement, making sure that the pedal moves through its full range of travel.

Always take care when shifting gears. After a gear shift, the pedal must be fully released before another gear shift can be made.

Incorrect gear shifts can cause damage to the engine and transmission.

Triumph Shift Assist (TSA) adjusts the engine torque to allow gears to engage, without closure of the throttle twist grip or operation of the clutch.

TSA is not an automatic system for shifting gears. Gears must be selected and shifted in the normal way using the gear pedal as described in Shifting Gears, see page 149.

TSA works for both up shifts and down shifts of gear. The clutch must be used for stopping and pulling away. The clutch must be used when selecting any gear from neutral, and also when selecting neutral from any other gear.

TSA will not operate if:

- The clutch is applied.
- An up shift is attempted by mistake when in top gear.
- A down shift is attempted by mistake when in 1st gear.
- An up shift is attempted at very low engine speeds.
- A down shift is attempted at very high engine speeds.
- An up shift is attempted during overrun.
- The vehicle speed limiter (if equipped) is active.
- Cruise control (if equipped) is active.
- Traction control is operating.
- If the previous gear has not fully engaged.
- The throttle is changed during a shift.

If TSA does not operate, the clutch can be used to shift gears in the normal way.

For more information on enabling and disabling the TSA functionality, see page 71.

Braking

⚠ WARNING

WHEN BRAKING, OBSERVE THE FOLLOWING:

- Close the throttle completely, leaving the clutch engaged to allow the engine to help slow down the motorcycle.

- Shift down one gear at a time such that the transmission is in first gear when the motorcycle comes to a complete stop.

- When stopping, always apply both brakes at the same time. Normally, the front brake should be applied a little more than the rear.

- Shift down or fully disengage the clutch as necessary to keep the engine from stalling.

- Never lock the brakes, as this may cause loss of control of the motorcycle.

Failure to follow the advice above could result in serious injury or death.

⚠ WARNING

For emergency braking, disregard down shifting, and concentrate on applying the front and rear brakes as hard as possible without skidding.

Riders should practice emergency braking in a traffic-free area.

Triumph strongly recommends that all riders take a course of instruction, which includes advice on safe brake operation. Incorrect brake technique may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

For your safety, always exercise extreme caution when braking, accelerating or turning as any improper action can cause loss of motorcycle control and an accident. Independent use of the front or rear brakes reduces overall braking performance. Extreme braking may cause either wheel to lock, reducing control of the motorcycle and causing an accident (see ABS warnings).

When possible, reduce speed or brake before entering a turn, as closing the throttle or braking in mid-turn may cause wheel slip, leading to loss of control.

When riding in wet or rainy conditions, or on loose surfaces, the ability to maneuver and stop will be reduced. All of your actions should be smooth under these conditions. Sudden acceleration, braking or turning may cause loss of motorcycle control.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

When descending a long, steep gradient or mountain pass, make use of the engine's braking effect by down shifting and use both front and rear brakes intermittently.

Continuous brake application or use of the rear brake only can overheat the brakes and reduce their effectiveness.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Riding with your foot on the brake pedal or your hands on the brake lever may actuate the brake light, giving a false indication to other road users.

It may also overheat the brake, reducing braking effectiveness.

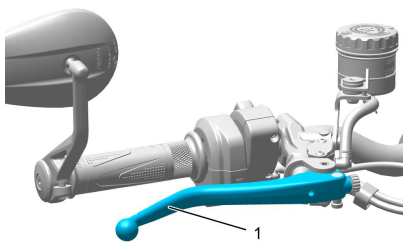
Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

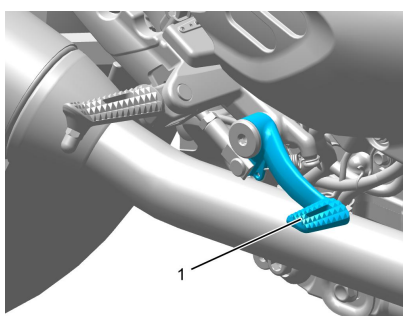
Do not coast with the engine switched off, and do not tow the motorcycle.

The transmission is pressure lubricated only when the engine is running.

Inadequate lubrication may cause damage or seizure of the transmission, leading to loss of motorcycle control, which could result in serious injury or death.



1. Front brake lever (Speed Twin 1200 shown)



1. Rear brake pedal (Speed Twin 1200 shown)

Anti-lock Braking System (ABS)

⚠ WARNING

The ABS function attempts to maximize the chances of keeping the motorcycle under control when braking. The potentially shorter braking distances ABS allows under certain conditions, are not a substitute for good riding practice.

Always ride within the legal speed limit.

Never ride without due care and attention and always reduce speed in consideration of weather, road and traffic conditions.

Under some circumstances it is possible that a motorcycle equipped with ABS may require a longer stopping distance.

Take care when cornering. If the brakes are applied in a corner, ABS will not be able to counteract the weight and momentum of the motorcycle.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

ABS operates by comparing the relative speed of the front and rear wheels.

Use of non-recommended tires can affect wheel speed and cause the ABS not to operate. Always install recommended tires.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

NOTICE

The ABS operation may feel like a harder pedal pressure or a pulsation of the brake lever and pedal.

The ABS is not an integrated braking system and does not control both the front and rear brake at the same time, so this pulsation may be felt in the lever, the pedal or both.

The ABS may be activated by sudden upward or downward changes in the road surface.

Anti-lock Braking System (ABS) Warning Light

⚠ WARNING

If the ABS is not functioning, the brake system will continue to function as a non-ABS equipped brake system. Reduce speed and do not continue to ride for longer than is necessary with the ABS warning light illuminated.

The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Braking too hard will cause the wheels to lock, leading to loss of motorcycle control, which could result in serious injury or death.

NOTICE

The ABS warning light will illuminate when the rear wheel is driven at high speed for more than 30 seconds when the motorcycle is on a stand. This reaction is normal.

When the ignition is switched off and the motorcycle is restarted, the warning light will illuminate until the motorcycle reaches a speed exceeding 19 mph (30 km/h).



When the ignition switch is turned to the ON position, it is normal that the ABS warning light will flash on and off. The warning light will continue to flash after engine start-up until the motorcycle first reaches a speed exceeding 6 mph (10 km/h) when it will go off.

The warning light will not illuminate again until the engine is restarted unless there is a fault.

If the warning light becomes illuminated at any time while riding it indicates that the ABS has a malfunction that requires investigation.

Optimized Cornering ABS (OCABS)

⚠ WARNING

Always ride within the legal speed limit. Never ride without due care and attention and always reduce speed in consideration of weather, surface and traffic conditions. Take care when cornering.

Under some circumstances it is possible that a motorcycle equipped with OCABS may require a longer stopping distance than an equivalent motorcycle without ABS, or an equivalent motorcycle equipped with ABS but not equipped with OCABS.

If the motorcycle is leaning in a corner and the ABS is activated, the OCABS will use the lean angle measurement from a sensor to apply the ABS to assist the rider to maintain motorcycle control.

The OCABS will not be able to fully counteract the weight and momentum of the motorcycle if braking too hard while cornering. This may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

If the OCABS is not functioning, the ABS warning light will illuminate and a warning message is shown in the display.

In this situation, the ABS will continue to operate but without the optimized cornering function, provided that there are no other ABS faults.

Do not continue to ride for longer than is necessary with the warning light illuminated. In the event of a fault, contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

In this situation, braking too hard during cornering may lead to loss of motorcycle control, which could result in serious injury or death.

Optimized Cornering ABS (OCABS) is a system designed to help the rider in emergency braking situations. OCABS will also give the rider increased control should the ABS be activated while the motorcycle is leaning in a corner.

A sensor constantly monitors the lean angle of the motorcycle. If the motorcycle is leaning in a corner and the ABS is activated, the system will use the lean angle measurement to apply the ABS in a manner most suitable to help the rider maintain motorcycle control.

The potential increased control that the OCABS allows under certain conditions is not a substitute for good riding practice.

Parking

⚠ WARNING

Gasoline is extremely flammable and can be explosive under certain conditions.

If parking inside a garage or other structure, be sure it is well ventilated and the motorcycle is not close to any source of flame or sparks. This includes any appliance with a pilot light.

Failure to follow the above advice may cause a fire resulting in damage to property, serious injury or death.

⚠ CAUTION

The engine and exhaust system will be hot after riding.

DO NOT park where pedestrians and children are likely to touch the motorcycle.

Touching any part of the engine or exhaust system when hot could result in minor to moderate injury.

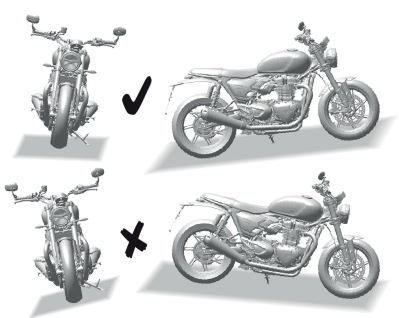
⚠ CAUTION

Take care when parking on soft ground or on a steeply inclined surface.

Parking under these conditions may cause the motorcycle to fall over, which could result in minor to moderate injury.

- Select neutral and turn the ignition switch to the OFF position.

- Select first gear.
- Lock the steering to help prevent theft.
- Always park on a firm, level surface to prevent the motorcycle from falling. This is particularly important when parking off-road.
- When parking on a hill, always park facing uphill to prevent the motorcycle from rolling off the stand. Engage first gear to prevent the motorcycle from moving.
- On a lateral (sideways) incline, always park such that the incline naturally pushes the motorcycle towards the side stand.
- Do not park on a lateral (sideways) incline of greater than 6° and never park facing downhill.
- Make sure that the side stand is fully retracted before riding off.



Speed Twin 1200 Shown

Considerations for High Speed Operation

⚠ WARNING

This motorcycle should be operated within the legal speed limits for the particular road traveled.

Riding a motorcycle at high speeds can be dangerous since the time available to react to a hazard is greatly reduced at high speeds.

Always reduce speed in potentially hazardous driving conditions, such as bad weather or heavy traffic.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Only operate this motorcycle at high speed in closed-course, on-road competition or on closed-course racetracks.

High speed operation should only then be attempted by riders who have been instructed in the techniques necessary for high speed riding and are familiar with the motorcycle's characteristics in all conditions.

High speed operation in any other circumstances is dangerous and may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

The handling characteristics of a motorcycle at high speed may vary from those you are familiar with at legal road speeds.

Do not attempt high speed operation unless you have received sufficient training and have the required skills.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

The items listed below are extremely important and must never be neglected.

A problem, which may not be noticed at normal operating speeds, may be greatly exaggerated at high speeds.

Check the items listed below before any high speed operation.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

General

Make sure that the motorcycle has been maintained according to the scheduled maintenance chart.

Brakes

Check that the front and rear brakes are functioning correctly.

Coolant

Check that the coolant level is at the upper level line in the expansion tank. Always check the level with the engine cold.

Electrical Equipment

Make sure that all electrical equipment such as the headlight, rear/brake light, turn signals and horn all work correctly.

Engine Oil

Check that the engine oil level is correct. Make sure that the correct grade and type of oil is used when topping off.

Drive Chain

Make sure that the drive chain is correctly adjusted and lubricated. Inspect the chain for wear and damage.

Fuel

NOTICE

In many countries, the exhaust system for this model is equipped with a catalytic converter to help reduce exhaust emission levels.

Use of leaded fuel will damage the catalytic converter. In addition, the catalytic converter can be permanently damaged if the motorcycle is allowed to run out of fuel or if the fuel level is allowed to get very low.

Always make sure you have adequate fuel for your trip.

Have sufficient fuel for the increased fuel consumption that will result from high speed operation.

Luggage

Make sure that any luggage containers are closed, locked and securely installed on the motorcycle.

Miscellaneous

Visually check that all fasteners are tight.

Steering

Check that the handlebar turns smoothly without excessive free play or tight spots. Make sure that the control cables do not restrict the steering in any way.

Tires

High speed operation is hard on tires, and tires that are in good condition are crucial to riding safely. Examine their overall condition, inflate to the correct pressure (when the tires are cold), and check the wheel balance. Securely install the valve caps after checking tire pressures. Observe the information given in the maintenance and specification sections on tire checking and tire safety.

The addition of accessories and carrying of additional weight can affect the motorcycle's handling characteristics, causing changes in stability and necessitating a reduction in speed. The following information has been prepared as a guide to the potential hazards of adding accessories to a motorcycle and carrying passengers and additional loads.

Accessories

⚠ WARNING

Do not install accessories or carry luggage that impairs the control of the motorcycle.

Make sure that you have not adversely affected any lighting component, road clearance, banking capability (i.e. lean angle), control operation, wheel travel, front fork movement, visibility in any direction, or any other aspect of the motorcycle's operation.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Install only genuine Triumph accessories to the correct Triumph motorcycle model.

Always check the Triumph Installation Instruction associated with the genuine Triumph accessory. Make sure the Triumph motorcycle model that the Triumph accessory is to be installed on, is listed as approved for the genuine Triumph accessory. For all Triumph Installation Instructions, see www.triumphinstructions.com.

Never install genuine Triumph accessories to a Triumph motorcycle model that is not listed in the associated Triumph Installation Instruction, as this may affect handling, stability or other aspects of the motorcycle's operation that may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Owners should be aware that the only approved parts, accessories and conversions for any Triumph motorcycle are those that carry official Triumph approval.

We recommend accessories and conversions be completed by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

In particular, it is extremely hazardous to install or replace parts or accessories whose installation requires the dismantling of, or addition to, either the electrical or fuel systems. Any such modification could cause a safety hazard.

The installation of any non-approved parts, accessories or conversions may affect the handling, stability or other aspects of the motorcycle's operation, leading to loss of motorcycle control, which could result in serious injury or death.

Triumph does not accept any liability whatsoever for defects caused by the installation of non-approved parts, accessories or conversions.

Triumph does not accept any liability whatsoever for defects caused by the incorrect installation of approved parts, accessories or conversions.

⚠ WARNING

Never ride an accessory equipped motorcycle, or a motorcycle carrying a payload of any kind, at speeds above 80 mph (130 km/h). In either/both of these conditions, speeds in excess of 80 mph (130 km/h) should not be attempted, even where the legal speed limit permits this.

The presence of accessories and/or payload will cause changes in the stability and handling of the motorcycle.

Failure to allow for changes in motorcycle stability may lead to loss of motorcycle control. When riding at high speed, always be aware that various motorcycle configuration and environmental factors can adversely affect the stability of your motorcycle. For example:

- Incorrectly balanced loads on both sides of the motorcycle

- Incorrectly adjusted front and rear suspension settings

- Incorrectly adjusted tire pressures

- Excessively or unevenly worn tires

- Side winds and turbulence from other vehicles

- Loose clothing.

Remember that the 80 mph (130 km/h) absolute limit will be reduced by the installation of non-approved accessories, incorrect loading, worn tires, overall motorcycle condition and poor road or weather conditions.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

Loading

⚠ WARNING

Never attempt to store any items between the frame and the fuel tank. This may restrict the steering aspect of the motorcycle.

Weight attached to the handlebar or front fork will increase the mass of the steering assembly. This may affect the handling, stability or other aspects of the motorcycle operation.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

The maximum safe load for each pannier is stated on a label inside the pannier and must not be exceeded.

Exceeding this loading limit may affect the handling, stability or other aspects of the motorcycle operation.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Do not use the passenger seat to carry any objects.

Carrying objects on the passenger seat may adversely affect the motorcycle stability.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Do not carry liquids in containers on your motorcycle.

Liquids are not stable and will adversely affect the motorcycle stability.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Always make sure that any loads carried are evenly distributed on both sides of the motorcycle. Make sure that the load is correctly secured so that it will not move around while the motorcycle is in motion.

Where two panniers are equipped, evenly distribute the load within each pannier.

Pack heavy items at the bottom and on the inboard side of the pannier.

Always check the load security regularly (though not while the motorcycle is in motion) and make sure that the load does not extend beyond the rear of the motorcycle.

Never exceed the maximum vehicle loading weight as specified in the Specifications section.

This maximum loading weight is made up from the combined weight of the rider, passenger, any accessories installed and any load carried.

For models that have adjustable suspension settings, make sure that front and rear spring preload and damping settings are suitable for the loading condition of the motorcycle. Note the maximum permissible payload for the panniers is stated on a label inside the pannier.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

Passengers

⚠ WARNING

This motorcycle is designed for use as a two-wheeled vehicle capable of carrying a rider and up to one passenger (subject to a passenger seat and footrests being installed).

The total weight of the rider, and any passenger, accessories and luggage must not exceed the maximum load limit as specified in the Specifications section.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

When carrying a passenger, the rider must make allowances for the handling and braking characteristics of the motorcycle.

The rider should not attempt to carry a passenger unless familiar and comfortable with the changes in these characteristics.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Do not carry a passenger unless they are tall enough to reach the footrests provided.

A passenger who is not tall enough to reach the footrests, will be unable to sit securely on the motorcycle and may cause instability.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Your passenger should be instructed that they can cause loss of motorcycle control by making sudden movements or by adopting an incorrect seated position.

The rider should instruct the passenger as follows:

- It is important that the passenger sits still while the motorcycle is in motion and does not interfere with the operation of the motorcycle.

- To keep their feet on the passenger footrests and to firmly hold onto either the seat strap or grab rails (if equipped) or the rider's waist or hips.

- Advise the passenger to lean with the rider when traveling around corners and not to lean unless the rider does so.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Do not carry animals on your motorcycle.

An animal could make sudden and unpredictable movements, which may affect the handling, stability or other aspects of the motorcycle operation.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

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Table of Contents

Scheduled Maintenance 167
Disposal of Used Fluids 169
Scheduled Maintenance Table - Speed Twin 1200 and Speed Twin 1200 RS 170
Scheduled Maintenance Table - Speed Twin 900, Bonneville T100, Bonneville T120, Bonneville T120 Black and Scrambler 900 172
Engine Oil 174
Engine Oil Level Inspection 174
Engine Oil and Oil Filter Change 176
Engine Oil Specification and Grade (10W/40 and 10W/50) 178
Cooling System 179
Coolant Level Inspection 180
Coolant Level Adjustment 181
Coolant Change 182
Radiator and Hoses 183
Throttle Control 183
Throttle Inspection 183
Clutch 184
Clutch Inspection 184
Clutch Adjustment 185
Drive Chain 186
Drive Chain Lubrication 186
Drive Chain Free Movement Inspection 187
Drive Chain Free Movement Adjustment 187
Drive Chain and Sprocket Wear Inspection 188
Final Drive Chain Guard - Removal 191
Final Drive Chain Guard - Installation 192
Brakes 193
Breaking-in New Brake Discs and Pads 193
Brake Pad Wear Compensation 193
Front Brake Wear Inspection 194
Rear Brake Wear Inspection 195
Disc Brake Fluid 196
Front Brake Fluid Level Inspection 197
Front Brake Fluid Level Adjustment 199
Rear Brake Fluid Level Inspection 201
Rear Brake Fluid Level Adjustment 202
Brake Light Switches 204

Mirrors 204
Mirror Adjustment 206
Steering/Wheel Bearings 207
Steering Bearings Inspection 207
Wheel Bearings Inspection 208
Suspension 209
Front Fork Inspection 210
Suspension Settings 211
Front Suspension Spring Preload Adjustment 213
Front Suspension Rebound Damping Adjustment 213
Front Suspension Compression Damping Adjustment 214
Rear Suspension Spring Preload Adjustment 214
Rear Suspension Rebound Damping Adjustment 217
Rear Suspension Compression Damping Adjustment 218
Bank Angle Indicators 218
Tires 219
Tire Inflation Pressures 221
Tire Pressure Monitoring System (TPMS) (if equipped) 222
Tire Wear 222
Minimum Recommended Tread Depth 223
Tire Replacement 223
Battery 226
Battery - Removal 227
Battery Disposal 228
Battery Maintenance 229
Battery Discharge 229
Battery Discharge During Storage and Infrequent Use of the Motorcycle 229
Battery Charging 230
Battery - Installation 231
Fuses 233
Fuse Identification 234
Lights 239
Headlight(s) 239
Brake/Tail Light 241
Turn Signal Lights 241
License Plate Light 242

Scheduled Maintenance

⚠ WARNING

Triumph Motorcycles cannot accept any responsibility for damage or injury resulting from incorrect maintenance or improper adjustment.

Scheduled maintenance must be carried out by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Incorrect or neglected maintenance may lead to a dangerous riding condition, leading to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

All maintenance is vitally important and must not be neglected. Incorrect maintenance or adjustment may cause one or more parts of the motorcycle to malfunction.

Weather, terrain and geographical location affect maintenance. The maintenance schedule should be adjusted to match the particular environment in which the motorcycle is used and the demands of the individual owner.

Special tools, knowledge and training are required in order to correctly carry out the maintenance items listed in the scheduled maintenance chart. An authorized Triumph dealer will have the necessary knowledge, equipment, and skills to maintain your Triumph motorcycle correctly.

Scheduled maintenance must be carried out by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Incorrect or neglected maintenance may lead to a dangerous riding condition, leading to loss of motorcycle control, which could result in serious injury or death.

MAINTENANCE AND ADJUSTMENT

To maintain the motorcycle in a safe and reliable condition, the maintenance and adjustments outlined in this section must be carried out as specified in the schedule of daily checks, and also in line with the scheduled maintenance chart. The information that follows describes the procedures to follow when carrying out the daily checks and some simple maintenance and adjustment items.

Scheduled maintenance may be carried out in three ways; annual maintenance, mileage based maintenance or a combination of both, depending on the mileage the motorcycle travels each year.

- Motorcycles traveling less than 10,000 miles (16,000 km) per year must be maintained annually. In addition to this, mileage based items require maintenance at their specified intervals, as the motorcycle reaches this mileage.
- Motorcycles traveling approximately 10,000 miles (16,000 km) per year must have the annual maintenance and the specified mileage based items carried out together.
- Motorcycles traveling more than 10,000 miles (16,000 km) per year must have the mileage based items maintained as the motorcycle reaches the specified mileage. In addition to this, annual based items will require maintenance at their specified annual intervals.

In all cases, maintenance must be carried out at or before the specified maintenance intervals shown. For advice on which maintenance schedule is most suitable for your motorcycle, contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Triumph Motorcycles cannot accept any responsibility for damage or injury resulting from incorrect maintenance or improper adjustment.

Service Symbol/General Warning Symbol



The service symbol will illuminate for five seconds after the motorcycle start up sequence as a reminder that a service is due in approximately 60 miles (100 km). The service symbol will illuminate permanently when the mileage is reached, it will remain permanently illuminated until the service interval is reset. We recommend the service interval is reset by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.



The general warning symbol will flash if an ABS or engine management fault has occurred and the ABS and/or MIL warning lights are illuminated. The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

NOTICE

Items marked ***** in the Scheduled Maintenance Table are subject to additional labor charge, above the cost and time allowance for the basic service, which includes time to check only.

Disposal of Used Fluids

To protect the environment, do not pour the following on the ground, down sewers, drains or into groundwater sources:

- Engine oil
- Coolant
- Fuel
- Clutch and brake fluid
- Front fork oil.

Do not place used oil filters in with the general waste.

If in doubt for the disposal of the above, contact your local authority.

Scheduled Maintenance Table - Speed Twin 1200 and Speed Twin 1200 RS

Operation description	Odometer Reading in Miles (km) or Time Period, whichever comes first					
		First Service	Annual Service	Mileage Based Service		
	Daily	600 Mile (1,000 Km) or 6 Month Service	Year	10,000 and 30,000 Mile (16,000 and 48,000 Km) Service	20,000 Mile (32,000 Km) Service	40,000 Mile (64,000 Km) Service
Lubrication						
Engine - check for leaks	•	•	•	•	•	•
Engine oil level - check and adjust	•					
Engine oil - replace		•	•	•	•	•
Engine oil filter - replace		•	•	•	•	•
Fuel System and Engine Management						
Fuel system - check for leaks	•			•	•	•
Air filter - replace (replace more often if consistently riding in wet or dusty conditions)				•	•	•
Fuel filter - replace					•	•
Spark plugs - replace					•	•
Cooling System						
Cooling system - check for leaks	•	•	•	•	•	•
Coolant level - check/adjust	•	•	•	•	•	•
Cooling system - check coolant hoses for chafing, cracks, pinching or damage. Replace if necessary*			•	•	•	•
Coolant - replace - every 4 years, regardless of mileage*	Every four years, regardless of mileage					
Engine						
Clutch - check operation	•	•	•	•	•	•
Clutch lever pivot - clean/grease			•	•	•	•
Valve clearances - check/adjust*					•	•
Camshaft timing - check/adjust*					•	•
Wheels and Tires						
Wheels - inspect for damage	•	•	•	•	•	•
Tire wear/tire damage - check	•	•	•	•	•	•
Tire pressures - check/adjust	•	•	•	•	•	•
Wheel bearings - check for wear/smooth operation			•	•	•	•

Operation description	Odometer Reading in Miles (km) or Time Period, whichever comes first					
		First Service	Annual Service	Mileage Based Service		
	Daily	600 Mile (1,000 Km) or 6 Month Service	Year	10,000 and 30,000 Mile (16,000 and 48,000 Km) Service	20,000 Mile (32,000 Km) Service	40,000 Mile (64,000 Km) Service
Steering and Suspension						
Steering - check for free operation	•	•	•	•	•	•
Front and rear suspension - check for damage/ leaks/smooth operation	•	•	•	•	•	•
Headstock bearings - check/adjust - except first service					•	•
Swinging arm spindle - lubricate					•	•
Fork oil - replace						•
Brakes						
Brake system - check operation	•	•	•	•	•	•
Brake pads - check wear levels*	•	•	•	•	•	•
Brake fluid levels - check	•	•	•	•	•	•
Brake fluid - replace - every 2 years, regardless of mileage*	Every two years, regardless of mileage					
Final Drive						
Drive chain slack - check/adjust	•	•	•	•	•	•
Drive chain - wear check*		•	•	•	•	•
Drive chain - lubricate	Every 200 miles (300 km)					
Drive chain rubbing strip - check for wear, cracks or damage*		•	•	•	•	•
Electrical						
Lights, instruments and electrical systems - check/ adjust	•	•	•	•	•	•
General						
Bank angle indicators - check for wear*	•	•	•	•	•	•
Center and/or side stand - check for wear/smooth operation	•	•	•	•	•	•
Instruments and engine ECM - check for latest calibration download using the Triumph diagnostic tool		•	•	•	•	•
Autoscan - carry out a full Autoscan using the Triumph diagnostic tool (print a customer copy)		•	•	•	•	•
Carry out all outstanding Service Bulletin and warranty work		•	•	•	•	•
Carry out road test		•	•	•	•	•
Complete the service record book and reset the service indicator (if equipped)		•	•	•	•	•

Scheduled Maintenance Table - Speed Twin 900, Bonneville T100, Bonneville T120, Bonneville T120 Black and Scrambler 900

Operation description	Odometer Reading in Miles (km) or Time Period, whichever comes first					
		First Service	Annual Service	Mileage Based Service		
	Daily	600 Mile (1,000 Km) or 6 Month Service	Year	10,000 and 30,000 Mile (16,000 and 48,000 Km) Service	20,000 Mile (32,000 Km) Service	40,000 Mile (64,000 Km) Service
Lubrication						
Engine - check for leaks	•	•	•	•	•	•
Engine oil level - check and adjust	•					
Engine oil - replace		•	•	•	•	•
Engine oil filter - replace		•	•	•	•	•
Fuel System and Engine Management						
Fuel system - check for leaks	•			•	•	•
Air filter - replace (replace more often if consistently riding in wet or dusty conditions)					•	•
Fuel filter - replace					•	•
Spark plugs - replace					•	•
Cooling System						
Cooling system - check for leaks	•	•	•	•	•	•
Coolant level - check/adjust	•	•	•	•	•	•
Cooling system - check coolant hoses for chafing, cracks, pinching or damage. Replace if necessary*			•	•	•	•
Coolant - replace - every 4 years, regardless of mileage*	Every four years, regardless of mileage					
Engine						
Clutch - check operation	•	•	•	•	•	•
Clutch lever pivot - clean/grease			•	•	•	•
Valve clearances - check/adjust*					•	•
Camshaft timing - check/adjust*					•	•
Wheels and Tires						
Wheels - inspect for damage	•	•	•	•	•	•
Wheels - check for broken or damaged spokes and check spoke tightness (not alloy wheels)	•	•	•	•	•	•
Tire wear/tire damage - check	•	•	•	•	•	•
Tire pressures - check/adjust	•	•	•	•	•	•
Wheel bearings - check for wear/smooth operation			•	•	•	•

Operation description	Odometer Reading in Miles (km) or Time Period, whichever comes first					
		First Service	Annual Service	Mileage Based Service		
	Daily	600 Mile (1,000 Km) or 6 Month Service	Year	10,000 and 30,000 Mile (16,000 and 48,000 Km) Service	20,000 Mile (32,000 Km) Service	40,000 Mile (64,000 Km) Service
Steering and Suspension						
Steering - check for free operation	•	•	•	•	•	•
Front and rear suspension - check for damage/ leaks/smooth operation	•	•	•	•	•	•
Headstock bearings - check/adjust - except first service					•	•
Swinging arm spindle - lubricate					•	•
Fork oil - replace						•
Brakes						
Brake system - check operation	•	•	•	•	•	•
Brake pads - check wear levels*	•	•	•	•	•	•
Brake fluid levels - check	•	•	•	•	•	•
Brake fluid - replace - every 2 years, regardless of mileage*	Every two years, regardless of mileage					
Final Drive						
Drive chain slack - check/adjust	•	•	•	•	•	•
Drive chain - wear check*		•	•	•	•	•
Drive chain - lubricate	Every 200 miles (300 km)					
Drive chain rubbing strip - check for wear, cracks or damage*		•	•	•	•	•
Electrical						
Lights, instruments and electrical systems - check/ adjust	•	•	•	•	•	•
General						
Bank angle indicators - check for wear*	•	•	•	•	•	•
Center and/or side stand - check for wear/smooth operation	•	•	•	•	•	•
Instruments and engine ECM - check for latest calibration download using the Triumph diagnostic tool		•	•	•	•	•
Autoscan - carry out a full Autoscan using the Triumph diagnostic tool (print a customer copy)		•	•	•	•	•
Carry out all outstanding Service Bulletin and warranty work		•	•	•	•	•
Carry out road test		•	•	•	•	•
Complete the service record book and reset the service indicator (if equipped)		•	•	•	•	•

Engine Oil



⚠ WARNING

Make sure that the engine oil level is correct and the oil is changed in accordance with the scheduled maintenance requirements.

Motorcycle operation with insufficient, deteriorated, or contaminated engine oil will cause accelerated engine wear and may result in engine or transmission seizure.

Seizure of the engine or transmission may lead to sudden loss of motorcycle control, which could result in serious injury or death.

In order for the engine, transmission, and clutch to function correctly, maintain the engine oil at the correct level, and change the engine oil and oil filter in accordance with scheduled maintenance requirements.

Engine Oil Level Inspection

⚠ DANGER

Never start the engine or run the engine in a confined area.

Always operate the motorcycle in the open air or in an area with adequate ventilation.

Exhaust fumes are poisonous and will cause loss of consciousness and death within a short period of time.

⚠ CAUTION

If the engine has recently been running, the exhaust components may be hot to the touch.

To avoid skin damage, always allow the hot parts to cool before touching the exhaust system.

Contact with the hot components may cause minor to moderate injury to exposed skin.

NOTICE

Make sure no contamination enters the engine during an engine oil change or top off.

Contamination entering the engine may lead to engine damage.

NOTICE

If the engine oil pressure is too low, the low oil pressure warning light will illuminate.

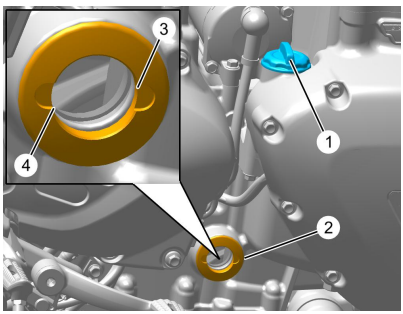
If the low oil pressure indicator remains on, stop the engine immediately and investigate the situation.

Running the engine with low oil pressure will cause severe engine damage.

NOTICE

An accurate indication of the level of engine oil in the engine is only shown when the engine is at normal operating temperature and the motorcycle is upright (not on the side stand).

- Position the motorcycle on level ground and in an upright position.
- Start the engine and run at idle for approximately five minutes.
- Stop the engine and wait for at least three minutes to allow the engine oil to settle.
- Note the engine oil level visible in the sight glass.
- When correct, engine oil should be visible in the sight glass at a point midway between the upper (maximum) and lower (minimum) markings on the sight glass.



1. **Engine oil filler plug (Speed Twin 1200 shown)**
2. **Sight glass**
3. **Maximum limit**
4. **Minimum limit**

- If it is necessary to top off the engine oil level, remove the engine oil filler plug and add engine oil, a little at a time, until the level registered in the sight glass is correct.
- Once the correct level is reached, install and tighten the engine oil filler plug.

Engine Oil and Oil Filter Change

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

⚠ WARNING

Always wear suitable protective clothing and avoid skin contact with used engine oil.

Prolonged or repeated contact with engine oil can lead to skin dryness, irritation and dermatitis.

Used engine oil contains harmful contamination that can lead to skin cancer.

Failure to follow the advice above could result in serious injury or death.

⚠ CAUTION

The engine oil may be hot.

Avoid contact with the hot engine oil by wearing suitable protective clothing, gloves and eye protection.

Contact with the hot engine oil may cause minor to moderate injury to exposed skin.

⚠ CAUTION

If the engine has recently been running, the exhaust components may be hot to the touch.

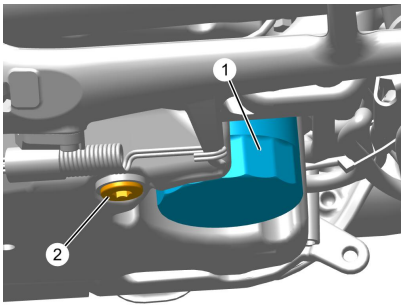
To avoid skin damage, always allow the hot parts to cool before touching the exhaust system.

Contact with the hot components may cause minor to moderate injury to exposed skin.

The engine oil and engine oil filter must be replaced in accordance with scheduled maintenance requirements.

- Warm up the engine thoroughly and stop the engine.
- Position the motorcycle on level ground and in an upright position.
- Allow the engine oil to settle for five minutes before draining.
- Place an oil drain pan beneath the engine.
- Remove the oil drain plug from the bottom of the sump and allow the engine oil to drain.
- Discard the sealing washer.
- Position the oil drain pan beneath the engine oil filter.
- Unscrew and remove the engine oil filter using Triumph service tool T3880313 - Oil Filter Wrench. Dispose of the old filter in an environmentally friendly way.
- Prefill the replacement engine oil filter with new engine oil.
- Apply a thin smear of clean engine oil to the sealing ring of the new engine oil filter.

- Install the engine oil filter and tighten to 89 lbf in (10 Nm).
- After the engine oil has completely drained out, install a new sealing washer to the oil drain plug.
- Reinstall and tighten the oil drain plug to 18 lbf ft (25 Nm).



1. **Engine oil filter (Speed Twin 1200 shown)**
2. **Oil drain plug**

- Remove the engine oil filler plug.

NOTICE

The engine oil grade specified must be used.

Using the incorrect engine oil grade may result in engine damage.

- Using a suitable funnel, fill the engine with a fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended..
- Do not overfill or exceed the capacities given in the Specifications section.

NOTICE

Raising the engine speed above idle before the oil reaches all parts of the engine can cause engine damage or seizure.

Only raise engine speed after running the engine for 30 seconds to allow the oil to circulate fully.

- Start the engine and allow it to idle for a minimum of 30 seconds.

NOTICE

If the engine oil pressure is too low, the low oil pressure warning light will illuminate.

If the low oil pressure indicator remains on, stop the engine immediately and investigate the situation.

Running the engine with low oil pressure will cause severe engine damage.

- Make sure that the low oil pressure warning light goes off shortly after starting.
- Stop the engine and recheck the engine oil level. Adjust if necessary.

Engine Oil Specification and Grade (10W/40 and 10W/50)

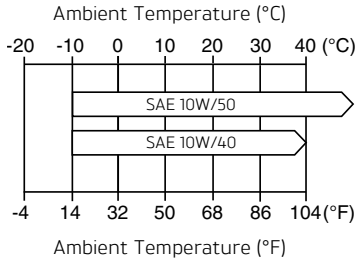
NOTICE

The engine oil grade specified must be used.

Using the incorrect engine oil grade may result in engine damage.

This Triumph high-performance fuel injected engine is designed to use fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended.

Refer to the chart below for the correct oil viscosity (10W/40 or 10W/50) to be used in your riding area.



Oil Viscosity Temperature Range

Do not add any chemical additives to the engine oil. The engine oil also lubricates the clutch and any additives could cause the clutch to slip.

Do not use mineral, vegetable, non-detergent oil, castor based oils or any oil not conforming to the required specification. The use of these oils may cause instant, severe engine damage.

Make sure that no foreign matter enters the crankcase during an engine oil change or top off.

Cooling System



NOTICE

The motorcycle is equipped with D2053 coolant, a year-round, Organic Additive Technology (known as OAT) coolant when it leaves the factory. It is colored orange, and contains a 50% solution of monoethylene glycol based antifreeze.

D2053 coolant, as supplied by Triumph, provides freeze protection to -40°F (-40°C).

To ensure efficient engine cooling, check the coolant level each day before riding the motorcycle, and top off the coolant if the level is low.

Corrosion Inhibitors

⚠ WARNING

D2053 OAT coolant contains corrosion inhibitors and antifreeze suitable for aluminum engines and radiators. Always use the coolant in accordance with the instructions of the manufacturer.

Coolant contains toxic chemicals that are harmful to the human body.

Contact with skin or eyes may cause severe irritation. Wear protective gloves, clothing and eye protection when handling coolant.

If coolant is inhaled, remove the person to fresh air and keep comfortable for breathing. In case of doubt or persistent symptoms, seek medical attention.

If coolant gets on your skin, flush with water immediately. Remove contaminated clothing.

If coolant gets in your eyes, flush with water for at least 15 minutes and SEEK MEDICAL ATTENTION IMMEDIATELY.

If coolant is swallowed, rinse the mouth with water and SEEK MEDICAL ATTENTION IMMEDIATELY.

KEEP COOLANT OUT OF THE REACH OF CHILDREN.

Failure to follow the advice above could result in serious injury or death.

NOTICE

D2053 OAT coolant, as supplied by Triumph, is premixed and does not need to be diluted prior to filling or topping off the cooling system.

To protect the cooling system from corrosion, the use of corrosion inhibiting chemicals in the coolant is essential.

If coolant containing a corrosion inhibitor is not used, the cooling system will accumulate rust and scale in the water jacket and radiator. This will block the coolant passages, and considerably reduce the efficiency of the cooling system.

Coolants of different types must not be mixed. Mixing coolants of different types will reduce the performance of the coolant and reduce its life. When replacing coolant, it is recommended to thoroughly flush the cooling system with clean water.

Coolant Level Inspection

NOTICE

If the coolant level is being checked because the coolant has overheated, also check the level in the radiator and top off if necessary.

In an emergency, distilled water can be added to the cooling system. However, the coolant must then be drained and replenished with D2053 OAT coolant as soon as possible.

NOTICE

Refer to the Service Manual for the detailed procedures on how to check the coolant level in the radiator, see page 04.

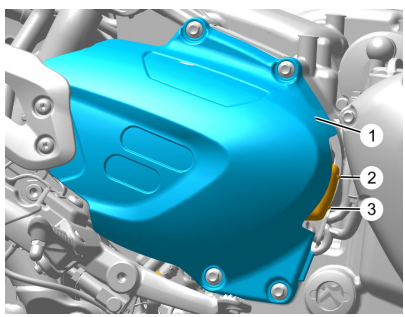
NOTICE

The coolant level should be checked when the engine is cold (at room or ambient temperature).

Speed Twin 1200 and Speed Twin 1200 RS

The expansion tank can be viewed from the right hand side of the motorcycle, behind the sprocket cover.

- Position the motorcycle on level ground and in an upright position.
- Check the coolant level in the expansion tank. The coolant level must be between the MAX and MIN marks.

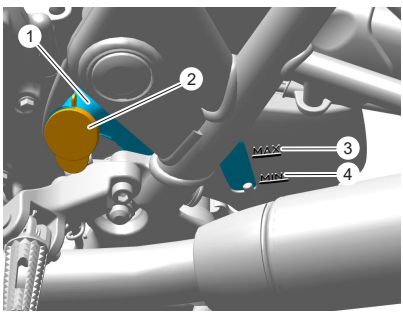


1. **Sprocket cover (Speed Twin 1200 shown)**
2. **MAX mark**
3. **MIN mark**

Speed Twin 900, Bonneville T100, Bonneville T120, Bonneville T120 Black and Scrambler 900

The expansion tank can be viewed from the left hand side of the motorcycle, towards the rear of the engine.

- Position the motorcycle on level ground and in an upright position.
- Check the coolant level in the expansion tank. The coolant level must be between the MAX and MIN marks.



1. **Expansion tank (Speed Twin 900 shown)**
2. **Expansion tank cap**
3. **MAX mark**
4. **MIN mark**

If the coolant is below the minimum level, the coolant level must be adjusted.

Coolant Level Adjustment

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

⚠ CAUTION

Do not remove the radiator pressure cap when the engine is hot.

When the engine is hot, the coolant inside the radiator will be hot and also under pressure.

Contact with this hot, pressurized coolant may cause minor to moderate injury to exposed skin.

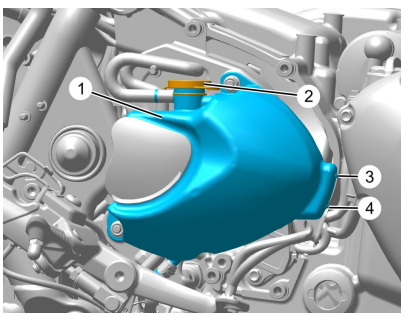
NOTICE

If hard water is used in the cooling system, it will cause scale accumulation in the engine and radiator and considerably reduce the efficiency of the cooling system.

Reduced cooling system efficiency may cause the engine to overheat and suffer severe damage.

Speed Twin 1200 and Speed Twin 1200 RS

- Allow the engine to cool.
- Remove the right hand heel guard and discard the two fasteners.
- Remove the sprocket cover.
- Remove the expansion tank cap.
- Add coolant mixture through the filler opening until the level reaches the MAX mark.
- Reinstall the expansion tank cap.

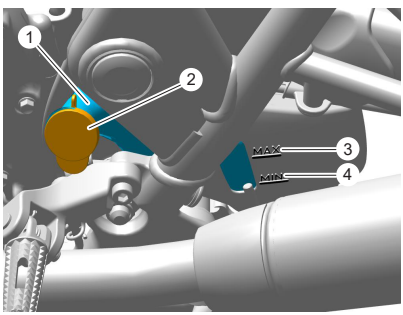


1. **Expansion tank (Speed Twin 1200 shown)**
2. **Expansion tank cap**
3. **MAX mark**
4. **MIN mark**

- Remount the right hand heel guard and tighten the new fasteners to 53 lbf in (6 Nm).
- Reinstall the sprocket cover and tighten the fasteners to 80 lbf in (9 Nm).

Speed Twin 900, Bonneville T100, Bonneville T120, Bonneville T120 Black and Scrambler 900

- Allow the engine to cool.
- Remove the expansion tank cap.
- Add coolant mixture through the filler opening until the level reaches the MAX mark.
- Reinstall the expansion tank cap.



1. **Expansion tank (Speed Twin 900 shown)**
2. **Expansion tank cap**
3. **MAX mark**
4. **MIN mark**

Coolant Change

We recommend that the coolant is changed in accordance with scheduled maintenance requirements.

Radiator and Hoses

⚠ CAUTION

The fan operates automatically when the engine is running.

Always keep hands and clothing away from the fan.

Contact with the rotating fan could result in minor to moderate injury.

NOTICE

Using high pressure water sprays, such as from a car wash facility or household pressure washer, can damage the radiator fins, cause leaks and impair the radiator's efficiency.

Do not obstruct or deflect airflow through the radiator by installing unauthorized accessories, either in front of the radiator or behind the cooling fan.

Interference with the radiator airflow can cause overheating, potentially resulting in engine damage.

Check the radiator hoses for cracks or deterioration, and tension clips for tightness in accordance with scheduled maintenance requirements. Any defective items must be replaced by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Check the radiator grille and fins for obstructions by insects, leaves or mud. Clean off any obstructions with a stream of low pressure water.

Throttle Control

⚠ WARNING

Always be alert for changes in the 'feel' of the throttle control. Changes can be due to wear in the mechanism, which could lead to a sticking or stuck throttle control.

If any changes are detected, the throttle system must be inspected by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

A sticking or stuck throttle control may lead to loss of motorcycle control, which could result in serious injury or death.

Throttle Inspection

⚠ WARNING

Use of the motorcycle with a sticking or damaged throttle control will interfere with the throttle function. The throttle may be difficult to control and performance will be affected.

To avoid continued use of a sticking or damaged throttle control, the throttle system must be inspected by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

- Check that the throttle opens smoothly, without undue force and that it closes quickly under its own return spring force without sticking and without manual intervention.
- Check that there is 0.04 - 0.08 in (1 - 2 mm) of throttle grip free play when lightly turning the throttle grip back and forth.
- If a problem is detected or any doubt exists, or if there is an incorrect amount of free play, the throttle system must be inspected by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Clutch

The motorcycle is equipped with a cable-operated clutch.

If the clutch lever has excessive free play, the clutch may not disengage fully. This will cause difficulty in shifting gear and selecting neutral. This may cause the engine to stall and make the motorcycle difficult to control.

Conversely, if the clutch lever has insufficient free play the clutch may not engage fully, causing the clutch to slip, which will reduce performance and cause premature clutch wear.

Clutch lever free play must be checked in accordance with scheduled maintenance requirements.

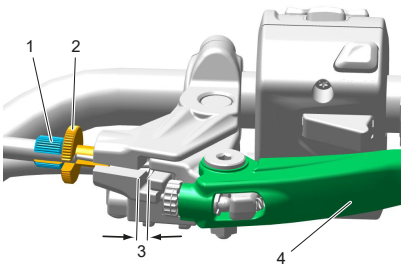
Clutch Inspection

- Check that there is 0.08 - 0.12 in (2 - 3 mm) clutch lever free play at the lever.
- If there is an incorrect amount of free play, adjustments must be made.

Clutch Adjustment

Clutch Lever Adjustment

- Loosen the adjuster lock nut.
- Turn the adjuster sleeve to give the correct amount of free play.
- Tighten the adjuster lock nut.



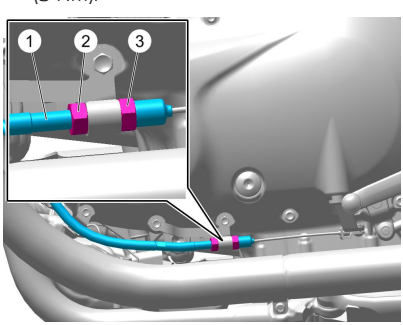
1. **Adjuster sleeve (Speed Twin 1200 shown)**
2. **Adjuster lock nut (fully loosened position shown)**
3. **Correct clearance (0.08 - 0.12 in (2.0 - 3.0 mm))**
4. **Clutch lever**

NOTICE

If correct adjustment cannot be made using the lever adjuster, use the cable adjuster at the clutch end of the cable.

Clutch Cable Adjustment at the Clutch End

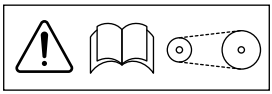
- Loosen the adjuster lock nut at the clutch lever.
- Turn the adjuster sleeve fully into the clutch lever housing, then turn back two complete turns.
- Tighten the adjuster lock nut at the clutch lever.
- If the clutch cable is tight, loosen the front lock nut (2) and tighten the rear lock nut (3) to give the correct amount of free play at the clutch lever.
- If the clutch cable is loose, loosen the rear lock nut (3) and tighten the front lock nut (2) to give the correct amount of free play at the clutch lever.
- Tighten the lock nuts to 27 lbf in (3 Nm).



1. **Clutch outer cable (Speed Twin 1200 shown)**
2. **Front lock nut**
3. **Rear lock nut**

Check that there is 0.08 - 0.12 in (2.0 - 3.0 mm) of free play at the clutch lever. Adjust at the clutch lever end if required.

Drive Chain



DANGER

A loose or worn chain, or a chain that breaks or jumps off the sprockets could catch on the engine sprocket or lock the rear wheel.

A chain that snags on the engine sprocket or locks the rear wheel will injure the rider.

Failure to follow the advice above will lead to loss of motorcycle control, which will result in serious injury or death.

For safety and to prevent excessive wear, the drive chain must be checked, adjusted and lubricated in accordance with scheduled maintenance requirements. Checks, adjustments and lubrication must be carried out more frequently for extreme conditions, such as high speed riding, salty or heavily gritted roads.

If the chain is badly worn or incorrectly adjusted (either too loose or too tight), the chain could jump off the sprockets or break. Therefore, we recommend to always replace worn or damaged chains using genuine Triumph parts.

Drive Chain Lubrication

Lubrication is necessary every 200 miles (300 km) and also after riding in wet weather, on wet roads, or any time that the chain appears dry.

- Use the special drive chain lubricant as recommended in the Specifications section.
- Apply lubricant to the sides of the rollers then allow the motorcycle to stand unused for at least eight hours (overnight is ideal). This will allow the lubricant to penetrate to the drive chain O-rings etc.
- Before riding, wipe off any excess lubricant.

NOTICE

Do not use a pressure washer to clean the drive chain as this may cause damage to the drive chain components.

- If the drive chain is especially dirty, clean first and then apply lubricant as mentioned above.

Drive Chain Free Movement Inspection

⚠ WARNING

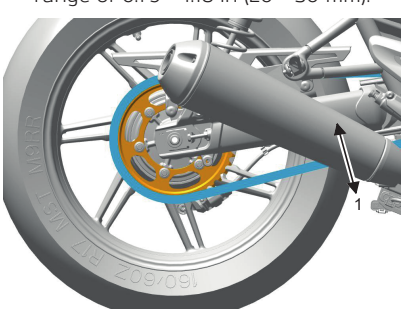
Make sure that the motorcycle is stabilized and adequately supported.

Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

- Place the motorcycle on a level surface and hold it in an upright position with no weight on it.
- Rotate the rear wheel by pushing the motorcycle to find the position where the drive chain is tightest, and measure the vertical movement of the drive chain midway between the sprockets.
- The measurement must be in the range of 0.79 - 1.18 in (20 - 30 mm).



1. Maximum movement position (Speed Twin 1200 shown)

If the measurement exceeds the range, the chain must be adjusted.

Drive Chain Free Movement Adjustment

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

The vertical movement of the drive chain must be in the range of 0.79 - 1.18 in (20 - 30 mm).

If the drive chain free movement measurement is incorrect, adjustments must be made as follows:

- Loosen the rear wheel spindle lock nut.
- Loosen the adjuster bolt lock nut on both the left and right hand drive chain adjuster bolts.
- Equally turn both the left and right hand adjuster bolts clockwise to increase drive chain free movement and counterclockwise to decrease drive chain free movement.
- When the correct amount of drive chain free movement has been set, push the wheel into firm contact with the adjusters.
- Make sure the same adjuster marking is aligned with the spindle adjuster on both sides of the swinging arm.

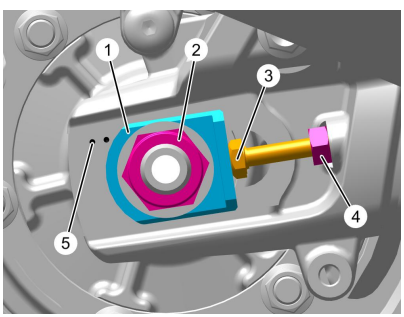
⚠ WARNING

When the drive chain adjustment is complete, make sure the wheel spindle and the adjuster lock nuts are tightened to the correct torque.

Operation of the motorcycle with a loose wheel spindle and/or loose adjuster lock nuts may affect the handling and stability.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

- Tighten both adjuster bolt lock nuts to 15 lbf ft (20 Nm) and the rear wheel spindle lock nut to 81 lbf ft (110 Nm).



1. **Spindle adjuster (Speed Twin 1200 shown)**
2. **Rear wheel spindle lock nut**
3. **Adjuster bolt**
4. **Adjuster bolt lock nut**
5. **Adjuster markings**

- Repeat the drive chain adjustment check. Readjust if necessary.

⚠ WARNING

It is dangerous to operate the motorcycle with defective brakes.

The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death..

- Check the rear brake effectiveness. Rectify if necessary.

Drive Chain and Sprocket Wear Inspection

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

⚠ WARNING

Replacement drive chains must be installed by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

We recommend to always replace worn or damaged chains using genuine Triumph parts.

Incorrectly installed drive chains may result in a broken drive chain or may cause the drive chain to jump off the sprockets, leading to loss of motorcycle control which could result in serious injury or death.

NOTICE

If the sprockets are found to be worn, always replace the sprockets and drive chain together.

Replacing worn sprockets without also replacing the drive chain will lead to premature wear of the new sprockets.

- Remove the final drive chain guard, see page 191.

Drive Chain Damage Inspection

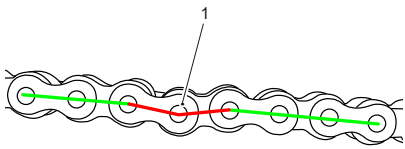
⚠ WARNING

If the drive chain is found to have damaged rollers, loose pins or stiff links, the drive chain must be replaced.

Do not attempt to loosen any stiff links. The stiff link may have damaged or worn components.

Riding with drive chain stiff links, or loosened stiff links, may result in a broken drive chain or may cause the drive chain to jump off the sprockets, leading to loss of motorcycle control which could result in serious injury or death.

- Rotate the rear wheel and inspect the drive chain for damaged rollers, loose pins and stiff links.

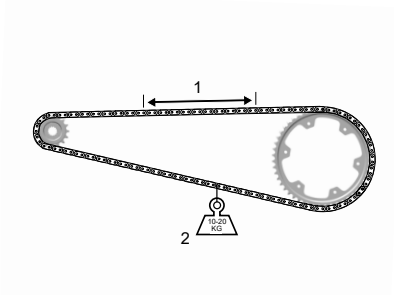


1. **Stiff link**

- If the drive chain has any damaged rollers, loose pins or stiff links, the drive chain must be replaced by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Drive Chain Wear Inspection

- Stretch the drive chain taut by hanging a 20 - 40 lb (10 - 20 kg) weight on the drive chain.
- Measure the length of 20 links on the straight part of the drive chain from pin center of the 1st pin to the pin center of the 21st pin. Since the drive chain may wear unevenly, take measurements in several places.



1. **Measure across 20 links**
2. **Weight**

- If the length exceeds the maximum service limit, the drive chain must be replaced. Refer to the Specifications section for the maximum service limit.

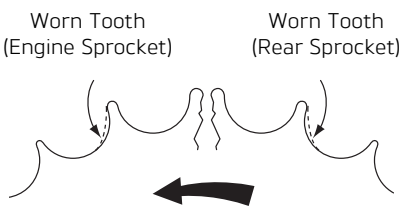
Sprockets Wear Inspection

NOTICE

The illustration shows wear on sprockets mounted on the left hand side of the motorcycle.

For sprockets mounted on the right hand side of the motorcycle, the wear is on the opposite side of the tooth.

- Rotate the rear wheel and inspect the sprockets for unevenly or excessively worn or damaged teeth.



(Sprocket wear exaggerated for illustrative purposes)

ccol

- If there is any wear or damage, the drive chain and the sprockets must be replaced by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.
- Reinstall the final drive chain guard, see page 192.

Final Drive Chain Guard - Removal

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

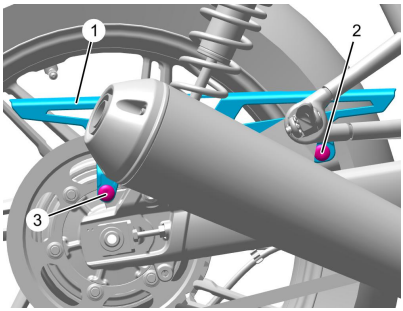
Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

Speed Twin 1200 and Speed Twin 1200 RS

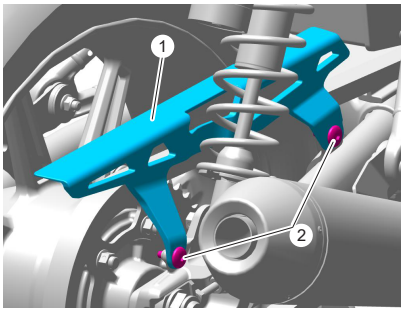
- Loosen the two fasteners and remove the chain guard. Discard the rear fastener.



1. **Chain guard (Speed Twin 1200 shown)**
2. **Front fastener**
3. **Rear fastener**

Speed Twin 900, Bonneville T100, Bonneville T120, Bonneville T120 Black and Scrambler 900

- Loosen the two fasteners and remove the chain guard.



1. **Chain guard (Speed Twin 900 shown)**
2. **Fasteners**

Final Drive Chain Guard - Installation

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

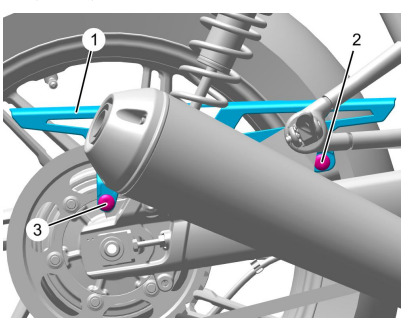
Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

Speed Twin 1200 and Speed Twin 1200 RS

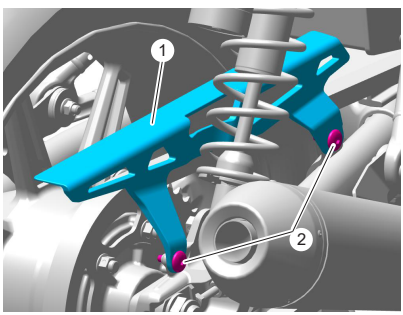
- Mount the chain guard and tighten the new rear fastener to 53 lbf in (6 Nm).
- Tighten the front fastener to 71 lbf in (8 Nm).



1. **Chain guard (Speed Twin 1200 shown)**
2. **Front fastener**
3. **Rear fastener**

Speed Twin 900, Bonneville T100, Bonneville T120, Bonneville T120 Black and Scrambler 900

- For Speed Twin 900 and Scrambler 900, mount the chain guard and tighten the fasteners to 71 lbf in (8 Nm).
- For Bonneville T100, Bonneville T120 and Bonneville T120 Black, mount the chain guard and tighten the fasteners to 80 lbf in (9 Nm).



1. **Chain guard (Speed Twin 900 shown)**
2. **Fasteners**

Brakes

Breaking-in New Brake Discs and Pads

⚠ WARNING

Brake pads must always be replaced as a wheel set. At the front, where two calipers are installed on the same wheel, replace all the brake pads in both calipers.

After replacement brake pads have been installed, ride with extreme caution until the new pads have 'broken in'.

Replacing individual pads will reduce braking efficiency and may lead to loss of motorcycle control, which could result in serious injury or death.

New brake discs and pads require a period of careful breaking-in that will optimize the performance and longevity of the discs and pads.

The recommended distance for breaking-in new pads and discs is 200 miles (300 km).

During the breaking-in period, avoid extreme braking, ride with caution and allow for greater braking distances.

Brake Pad Wear Compensation

⚠ WARNING

If the brake lever or pedal feels soft when it is applied, or if the lever/pedal travel becomes excessive, there may be air in the brake lines and hoses or the brakes may be defective.

The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Riding with defective brakes may lead to a dangerous riding condition, leading to loss of motorcycle control, which could result in serious injury or death.

Disc and brake pad wear is automatically compensated for and has no effect on the brake lever or pedal action. There are no parts that require adjustment on the front and rear brakes.

Front Brake Wear Inspection

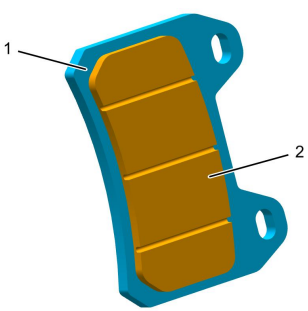
⚠ WARNING

The use of proprietary brands of brake pads is not recommended as these may have a reduced carrier plate thickness when compared with the Triumph genuine parts.

Brake pads with an incorrect carrier plate thickness can potentially become dislodged from the caliper body as they wear, leading to brake failure, loss of motorcycle control and an accident.

Failure to follow the advice above could result in serious injury or death.

Brake pads must be inspected in accordance with scheduled requirements and replaced if worn to, or beyond, the minimum service thickness.



1. **Carrier plate (Speed Twin 1200 shown)**
2. **Brake pad lining**

Brake pads for this model supplied by Triumph will have the carrier plate at the recommended thickness. We recommend that the brake pads are changed by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

If the lining thickness of any brake pad is less than that specified in the table, replace all the brake pads on the wheel.

Model	Minimum Brake Pad Lining Thickness
Speed Twin 1200	0.043 in (1.1 mm)
Speed Twin 1200 RS	0.04 in (1.0 mm)
Speed Twin 900	0.043 in (1.1 mm)
Bonneville T100	0.04 in (1.0 mm)
Bonneville T120	0.04 in (1.0 mm)
Bonneville T120 Black	0.04 in (1.0 mm)
Scrambler 900	0.043 in (1.1 mm)

Rear Brake Wear Inspection

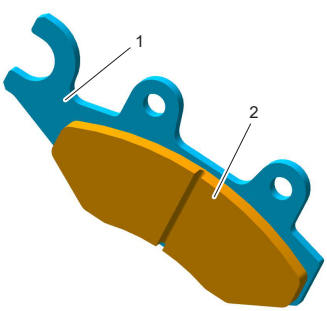
⚠ WARNING

The use of proprietary brands of brake pads is not recommended as these may have a reduced carrier plate thickness when compared with the Triumph genuine parts.

Brake pads with an incorrect carrier plate thickness can potentially become dislodged from the caliper body as they wear, leading to brake failure, loss of motorcycle control and an accident.

Failure to follow the advice above could result in serious injury or death.

Brake pads must be inspected in accordance with scheduled requirements and replaced if worn to, or beyond, the minimum service thickness.



1. **Carrier plate**
2. **Brake pad lining**

Brake pads for this model supplied by Triumph will have the carrier plate at the recommended thickness. We recommend that the brake pads are changed by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

If the lining thickness of any brake pad is less than that specified in the table, replace all the brake pads on the wheel.

Model	Minimum Brake Pad Lining Thickness
Speed Twin 1200	0.06 in (1.5 mm)
Speed Twin 1200 RS	0.06 in (1.5 mm)
Speed Twin 900	0.06 in (1.5 mm)
Bonneville T100	0.06 in (1.5 mm)
Bonneville T120	0.06 in (1.5 mm)
Bonneville T120 Black	0.06 in (1.5 mm)
Scrambler 900	0.06 in (1.5 mm)

Disc Brake Fluid

⚠ WARNING

Brake fluid is hygroscopic, which means it will absorb moisture from the air.

Any absorbed moisture will greatly reduce the boiling point of the brake fluid, causing a reduction in braking efficiency.

Because of this, always replace brake fluid in accordance with scheduled maintenance requirements.

Always use new brake fluid from a sealed container, and never use fluid from an unsealed container or from one that has been previously opened.

Do not mix different brands or grades of brake fluid.

Check for fluid leakage around brake installed, seals and joints and also check the brake hoses for splits, deterioration and damage.

Always rectify any faults before riding.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

If the ABS is not functioning, the brake system will continue to function as a non-ABS equipped brake system. Reduce speed and do not continue to ride for longer than is necessary with the ABS warning light illuminated.

The fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Braking too hard will cause the wheels to lock, leading to loss of motorcycle control, which could result in serious injury or death.

Inspect the level of brake fluid in both reservoirs and change the brake fluid in accordance with scheduled maintenance requirements. Use Triumph Performance DOT 4 brake fluid as recommended in the Specification section. The brake fluid must also be changed if it becomes, or is suspected of having become contaminated with moisture or any other contaminants.

Front Brake Fluid Level Inspection

⚠ WARNING

If there has been an appreciable drop in the level of the fluid in either fluid reservoir, the brake system must be inspected.

If the brake lever or pedal feels soft when it is applied, or if the lever/pedal travel becomes excessive, there may be air in the brake lines or the brake may be defective.

Riding with depleted brake fluid levels, or with a brake fluid leak is dangerous and will cause reduced brake performance.

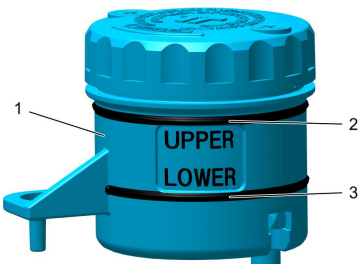
Contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer to inspect and, if necessary, repair the brake system.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

The front brake fluid reservoir is located on the right hand side handlebar.

Speed Twin 1200, Speed Twin 900 and Scrambler 900

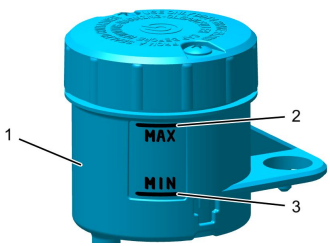
- Check the level of brake fluid visible in the reservoir.
- The brake fluid level in the reservoir must be kept between the UPPER and LOWER level lines (reservoir held horizontal).



1. **Front brake fluid reservoir (Speed Twin 1200 shown)**
2. **UPPER level line**
3. **LOWER level line**

Speed Twin 1200 RS

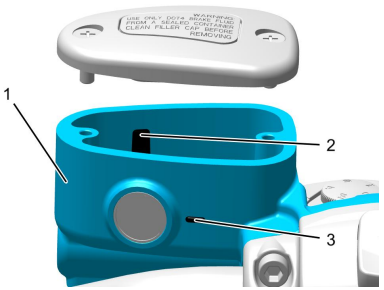
- Check the level of brake fluid visible in the reservoir.
- The brake fluid level in the reservoir must be kept between the MAX and MIN level lines (reservoir held horizontal).



1. **Front brake fluid reservoir**
2. **MAX level line**
3. **MIN level line**

Bonneville T100, Bonneville T120 and Bonneville T120 Black

- Check the level of brake fluid visible in the reservoir.
- The brake fluid level in the reservoir must be kept between the UPPER and LOWER level lines (reservoir held horizontal).



1. **Front brake fluid reservoir**
2. **UPPER level line**
3. **LOWER level line**

Front Brake Fluid Level Adjustment

NOTICE

To prevent paint damage, do not spill brake fluid onto any area of the bodywork.

Spilled brake fluid will damage paintwork.

Speed Twin 1200, Speed Twin 900 and Scrambler 900

- Loosen the reservoir cap retaining screws and remove the reservoir cap noting the position of the diaphragm seal.
- Fill the reservoir to the UPPER level line using new DOT 4 brake fluid from a sealed container. Triumph Performance DOT 4 brake fluid is recommended.
- Reinstall the reservoir cap making sure that the diaphragm seal is correctly positioned between the cap and reservoir body.

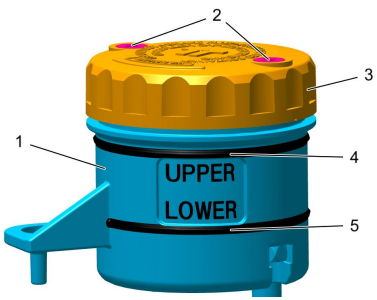
⚠ WARNING

Do not over tighten reservoir cap fasteners .

Over tightened reservoir cap fasteners may damage the brake fluid reservoir causing a brake fluid leak, leading to reduced braking efficiency.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

- For Speed Twin 1200, tighten the reservoir cap retaining screws to 6.2 lbf in (0.7 Nm).
- For Speed Twin 900 and Scrambler 900, tighten the reservoir cap retaining screws to 13 lbf in (1.5 Nm).



1. **Front brake fluid reservoir (Speed Twin 1200 shown)**
2. **Reservoir cap retaining screws**
3. **Reservoir cap**
4. **UPPER level line**
5. **LOWER level line**

Speed Twin 1200 RS

- Loosen the reservoir cap retaining screws and remove the reservoir cap noting the position of the diaphragm seal.
- Fill the reservoir to the MAX level line using new DOT 4 brake fluid from a sealed container. Triumph Performance DOT 4 brake fluid is recommended.
- Reinstall the reservoir cap making sure that the diaphragm seal is correctly positioned between the cap and reservoir body.

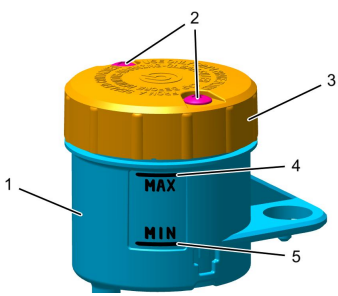
⚠ WARNING

Do not over tighten reservoir cap fasteners .

Over tightened reservoir cap fasteners may damage the brake fluid reservoir causing a brake fluid leak, leading to reduced braking efficiency.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

- Tighten the reservoir cap retaining screws to 6.2 lbf in (0.7 Nm).



1. **Front brake fluid reservoir**
2. **Reservoir cap retaining screws**
3. **Reservoir cap**
4. **MAX level line**
5. **MIN level line**

Bonneville T100, Bonneville T120 and Bonneville T120 Black

- Loosen the reservoir cap retaining screws and remove the reservoir cap noting the position of the diaphragm seal.
- Fill the reservoir to the UPPER level line using new DOT 4 brake fluid from a sealed container. Triumph Performance DOT 4 brake fluid is recommended.
- Reinstall the reservoir cap making sure that the diaphragm seal is correctly positioned between the cap and reservoir body.

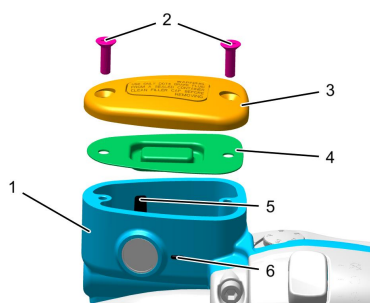
⚠ WARNING

Do not over tighten reservoir cap fasteners .

Over tightened reservoir cap fasteners may damage the brake fluid reservoir causing a brake fluid leak, leading to reduced braking efficiency.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

- Tighten the reservoir cap retaining screws to 9 lbf in (1 Nm).



1. **Front brake fluid reservoir**
2. **Reservoir cap retaining screws**
3. **Reservoir cap**
4. **Diaphragm seal**
5. **UPPER level line**
6. **LOWER level line**

Rear Brake Fluid Level Inspection

⚠ WARNING

If there has been an appreciable drop in the level of the fluid in either fluid reservoir, the brake system must be inspected.

If the brake lever or pedal feels soft when it is applied, or if the lever/pedal travel becomes excessive, there may be air in the brake lines or the brake may be defective.

Riding with depleted brake fluid levels, or with a brake fluid leak is dangerous and will cause reduced brake performance.

Contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer to inspect and, if necessary, repair the brake system.

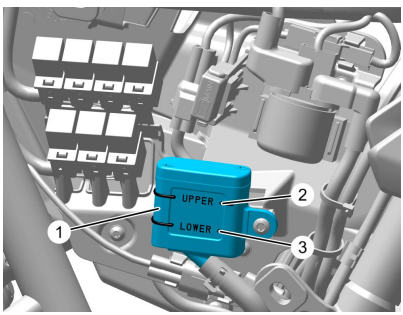
Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

The rear brake fluid reservoir is located behind the right hand side panel.

- If required, remove the seat, see page 128.
- Remove the right hand side panel, see page 133.

Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900, Bonneville T100, Bonneville T120 and Bonneville T120 Black

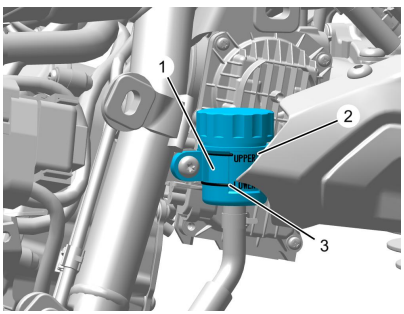
- Check the level of brake fluid visible in the reservoir.
- The brake fluid level in the reservoir must be kept between the UPPER and LOWER level lines (reservoir held horizontal).



1. **Rear brake fluid reservoir (Speed Twin 1200 shown)**
2. **UPPER level line**
3. **LOWER level line**

Scrambler 900

- Check the level of brake fluid visible in the reservoir.
- The brake fluid level in the reservoir must be kept between the UPPER and LOWER level lines (reservoir held horizontal).



1. **Rear brake fluid reservoir**
2. **UPPER level line**
3. **LOWER level line**

All Models

- Remount the right hand side panel, see page 136.
- If required, reinstall the seat, see page 131.

Rear Brake Fluid Level Adjustment

NOTICE

To prevent paint damage, do not spill brake fluid onto any area of the bodywork.

Spilled brake fluid will damage paintwork.

- If required, remove the seat, see page 128.
- Remove the right hand side panel, see page 133.

Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900, Bonneville T100, Bonneville T120 and Bonneville T120 Black

- Loosen the reservoir cap retaining screws and remove the reservoir cap noting the position of the diaphragm seal.
- Fill the reservoir to the UPPER level line using new DOT 4 brake fluid from a sealed container. Triumph Performance DOT 4 brake fluid is recommended.
- Reinstall the reservoir cap making sure that the diaphragm seal is correctly positioned between the cap and reservoir body.

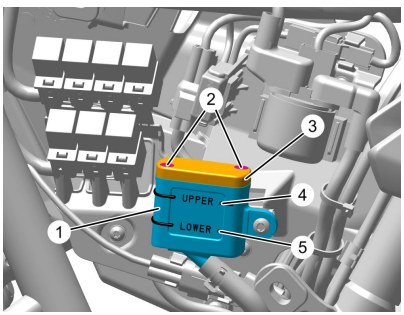
⚠ WARNING

Do not over tighten reservoir cap fasteners .

Over tightened reservoir cap fasteners may damage the brake fluid reservoir causing a brake fluid leak, leading to reduced braking efficiency.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

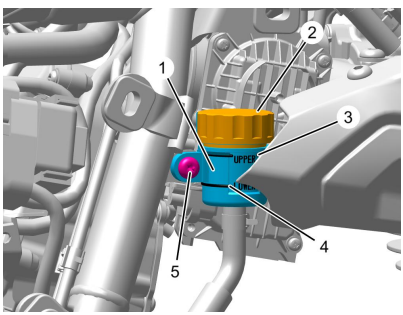
- Tighten the reservoir cap retaining screws to 9 lbf in (1 Nm).



1. **Rear brake fluid reservoir (Speed Twin 1200 shown)**
2. **Reservoir cap retaining screws**
3. **Reservoir cap**
4. **UPPER level line**
5. **LOWER level line**

Scrambler 900

- Release the reservoir from the frame without detaching the connecting hose. Discard the fastener.
- Remove the reservoir cap noting the position of the diaphragm seal.
- Fill the reservoir to the UPPER level line using new DOT 4 brake fluid from a sealed container. Triumph Performance DOT 4 brake fluid is recommended.
- Reinstall the reservoir cap making sure that the diaphragm seal is correctly positioned between the cap and reservoir body.
- Remount the reservoir to the frame by tightening the new fastener to 44 lbf in (5 Nm).



1. **Rear brake fluid reservoir**
2. **Reservoir cap**
3. **UPPER level line**
4. **LOWER level line**
5. **Fastener**

All Models

- Remount the right hand side panel, see page 136.
- If required, reinstall the seat, see page 131.

Brake Light Switches

⚠ WARNING

Riding the motorcycle with defective brake lights is illegal and dangerous.

Before riding the motorcycle, make sure all lights are working.

Failure to follow the advice above could result in serious injury or death.

The brake light is activated independently by either the front or rear brake. If, with the ignition in the ON position, the brake light does not work when the front brake lever is pulled or the rear brake pedal is pressed, the fault must be checked and rectified by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Mirrors

⚠ WARNING

Always adjust the mirrors to provide sufficient rearward vision before riding the motorcycle.

Operation of the motorcycle with incorrectly adjusted mirrors is dangerous.

Operation of the motorcycle with incorrectly adjusted mirrors will result in loss of vision to the rear of the motorcycle. It is dangerous to ride a motorcycle without sufficient rearward vision.

Failure to follow the advice above could result in serious injury or death.

⚠ WARNING

Never attempt to clean or adjust mirrors while riding the motorcycle. Removal of the rider's hands from the handlebars while riding the motorcycle will diminish the ability of the rider to maintain control of the motorcycle.

Only attempt to clean or adjust the mirrors while stationary.

Attempting to clean or adjust mirrors while riding the motorcycle may lead to loss of motorcycle control, which could result in serious injury or death.

Models with Bar End Mirrors

⚠ WARNING

Incorrect adjustment of the bar end mirrors may cause the mirror arm to come into contact with the fuel tank, brake or clutch levers, or other parts of the motorcycle.

This will restrict brake or clutch lever operation or restrict steering movement which may affect the handling, stability or other aspects of the motorcycle's operation.

Adjust the mirrors as required to make sure they do not come into contact with any part of the motorcycle. After adjustment, move the handlebar to the left and right full lock, while checking that the mirrors do not contact the fuel tank, brake or clutch levers, or other parts of the motorcycle.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

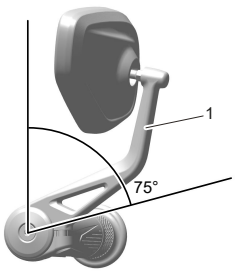
NOTICE

Incorrect adjustment of the bar end mirrors may cause the mirror arm to come into contact with the fuel tank, brake or clutch levers, or other parts of the motorcycle.

This will result in damage to the fuel tank, brake or clutch levers, or other parts of the motorcycle.

Adjust the mirrors as required to make sure they do not come into contact with any part of the motorcycle. After adjustment, move the handlebar to the left and right full lock, while checking that the mirrors do not contact the fuel tank, brake or clutch levers, or other parts of the motorcycle.

The bar end mirrors will be set by your authorized Triumph dealer and will not normally require any adjustment. Should adjustment be necessary, do not rotate the mirror beyond 75°, measured from the vertical section of the mirror arm.



1. **Mirror arm vertical section**

Mirror Adjustment

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

Speed Twin 900 and Scrambler 900

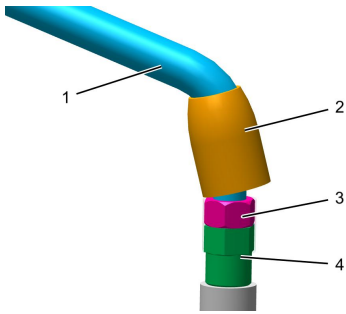
- Lift the rubber cover to access the lock nut and mirror boss.
- Counter-hold the mirror fastener and loosen the mirror lock nut.
- Position the mirror arm to give rear visibility in the riding position and tighten the lock nut by hand.

NOTICE

Use an open ended spanner to counter-hold the mirror fastener, as the mirror lock nut is loosened or tightened.

Failure to counter-hold the fastener will cause damage to the thread and the mirror to become loose.

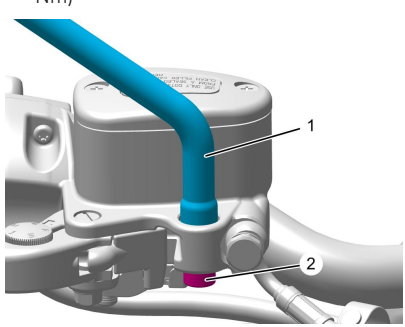
- Counter-hold the mirror fastener and tighten the mirror lock nut to 13 lbf ft (17 Nm).
- Slide the rubber cover over the lock nut.



1. **Mirror arm**
2. **Rubber cover**
3. **Lock nut**
4. **Mirror boss**

Bonneville T100, Bonneville T120 and Bonneville T120 Black

- Loosen the mirror fastener.
- Position the mirror arm to give rear visibility in the riding position and tighten the fastener to 15 lbf ft (20 Nm)



1. **Mirror arm**
2. **Fastener**

Steering/Wheel Bearings

⚠ WARNING

To prevent risk of injury from the motorcycle falling during the inspection, make sure that the motorcycle is stabilized and secured on a suitable support.

When inspecting steering and wheel bearings, do not exert extreme force against each wheel or rock each wheel vigorously, as this may cause the motorcycle to become unstable and fall from its support.

Failure to follow the advice above could result in motorcycle damage, serious injury or death.

Steering Bearings Inspection

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

⚠ WARNING

Never neglect steering (steering head) bearings maintenance. Check the steering bearings in accordance with scheduled maintenance requirements and make adjustments or replace as necessary.

Scheduled maintenance must be carried out by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Riding the motorcycle with incorrectly adjusted or defective steering bearings is dangerous and may lead to loss of motorcycle control, which could result in serious injury or death.

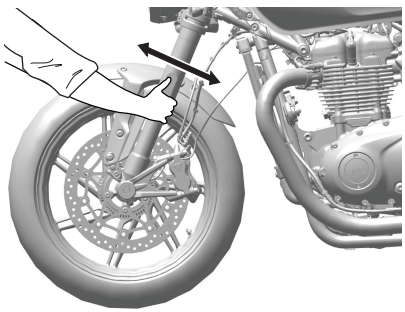
NOTICE

Always inspect the wheel bearings at the same time as the steering bearings.

The steering head bearings must be lubricated and inspected in accordance with scheduled maintenance requirements.

- Position the motorcycle on level ground and in an upright position.
- Raise the front wheel off the ground and support the motorcycle.
- Move the handlebars from lock-to-lock to check for signs of tight spots or notchiness (bearings overtightened).

- Standing at the front of the motorcycle, hold the lower end of the front forks and try to move them forward and backward to check for signs of free play in the bearings (bearings insufficiently tightened or worn).



Inspecting the Steering for Free Play (Speed Twin 1200 shown)

- If any free play can be detected in the steering (steering head) bearings, the steering bearings must be inspected and adjusted by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.
- Remove the support and place the motorcycle on the side stand.

Wheel Bearings Inspection

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

⚠ WARNING

Never neglect wheel bearings maintenance. Check the wheel bearings in accordance with scheduled maintenance requirements and make adjustments or replace as necessary.

Scheduled maintenance must be carried out by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

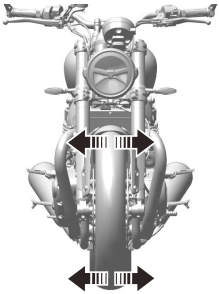
Riding the motorcycle with worn or damaged wheel bearings is dangerous and may lead to loss of motorcycle control, which could result in serious injury or death.

NOTICE

If the wheel bearings in the front or rear wheel allow free play in the wheel hub, are noisy, or if the wheel does not turn smoothly, the wheel bearings must be inspected by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

The wheel bearings must be inspected in accordance with scheduled maintenance requirements.

- Position the motorcycle on level ground and in an upright position.
- Raise the front wheel off the ground and support the motorcycle.
- Standing at the side of the motorcycle, gently rock the top of the front wheel from side to side.
- Reposition the suitable stand and repeat the procedure for the rear wheel.



Inspecting the Wheel Bearings (Speed Twin 1200 shown)

- If any free play can be detected in the wheel bearings, the wheel bearings must be inspected and replaced by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.
- Remove the support and place the motorcycle on the side stand.

Suspension

⚠ WARNING

Imbalance between the front and rear suspension will affect the handling and stability.

Always adjust the suspension settings as shown in the settings tables.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

NOTICE

The rear suspension units on the Speed Twin 1200 RS are equipped with a protective film label. This protective film label will gradually wear. This wear is normal and not considered to be a fault. It does not affect the safety, operation or performance of the rear suspension.

If the motorcycle is used in dirty or dusty environments, the wear on the protective film labels will be accelerated.

To reduce the wear on the protective film labels, dirt should be washed from between them after use in dirty or dusty environments.

The protective film labels are replaceable and can be replaced by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Only the Speed Twin 1200 RS has adjustable front suspension.

All models are equipped with adjustable rear suspension.

The Standard suspension settings provide a comfortable ride and good handling characteristics for general, solo riding. The following tables show suggested settings for the front and rear suspension, see page 211.

Front Fork Inspection

⚠ WARNING

Never neglect front fork maintenance. Check the front forks in accordance with scheduled maintenance requirements and make adjustments or replace as necessary.

Scheduled maintenance must be carried out by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Riding with defective or damaged suspension components is dangerous and may lead to loss of motorcycle control, which could result in serious injury or death.

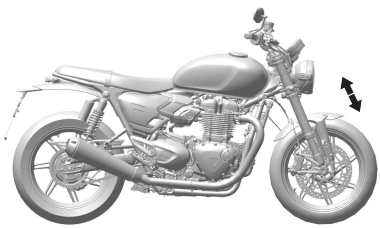
⚠ CAUTION

All suspension units contain pressurized oil.

Do not attempt to dismantle any part of the suspension units. Inspections and repairs must be completed by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Accidental release of pressurized oil or springs could result in minor to moderate injury.

- Position the motorcycle on level ground.
- While holding the handlebars and applying the front brake, pump the forks up and down several times.
- Check for roughness or excessive stiffness.
- Examine each fork for any sign of damage, scratching of the slider surface, or for oil leaks.



Inspecting the Front Forks (Speed Twin 1200 shown)

If a problem is detected or any doubt exists, the forks must be inspected by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Suspension Settings

The motorcycle is delivered from the factory with all the suspension settings set at the Standard setting, as shown in the relevant suspension settings tables.

The details shown in the suspension settings tables are only a guide. Setting requirements may vary for rider and passenger weight and personal preferences.

NOTICE

Always set the front and rear suspension to the same loading condition, as shown in the tables below.

Speed Twin 1200 RS Only

Front Suspension Settings			
Loading Condition	**Spring Preload[1]**	**Rebound Damping[2]**	**Compression Damping[2]**
Solo Riding - Standard	11.75	1.0	2.5
Solo Riding - Comfort (Softer)	11.75	1.0	2.5
Solo Riding - Sport (Firmer)	11.75	0.25	0.75
Rider, Passenger and Luggage (not exceeding limits)	11.75	As per Solo Riding	As per Solo Riding

[1] Number of adjuster turns clockwise from the fully counterclockwise position.

[2] Number of adjuster turns counterclockwise from the fully clockwise position.

For front suspension adjustment, see page 213.

Speed Twin 1200 and Speed Twin 900

Rear Suspension Settings	
Loading Condition	**Spring Preload[1]**
Solo Riding - Standard	MIN
Rider, Passenger and Luggage (not exceeding limits)	MAX

[1] Number of adjuster turns clockwise from the fully counterclockwise position.

Speed Twin 1200 RS

Rear Suspension Settings			
Loading Condition	**Spring Preload[1]**	**Rebound Damping[2]**	**Compression Damping[2]**
Solo Riding - Standard	0.98 in (25 mm) (setting dimension)	20	18
Solo Riding - Comfort (Softer)	0.98 in (25 mm) (setting dimension)	20	18
Solo Riding - Sport (Firmer)	0.98 in (25 mm) (setting dimension)	14	10
Rider, Passenger and Luggage (not exceeding limits)	1.69 in (43 mm) (setting dimension)	14	8

[1] Measured between the bottom of the reservoir bracket to the top of the adjuster (as shown on page 216).

[2] Number of adjuster clicks counterclockwise from the fully clockwise position, noting that the first stop (click) is counted as zero.

Bonneville T100, Bonneville T120 and Bonneville T120 Black

Rear Suspension Settings	
Loading Condition	**Spring Preload[1]**
Solo Riding - Standard	1
Rider, Passenger and Luggage (not exceeding limits)	5

[1] Position 1 is minimum (fully clockwise) and position 5 is maximum (fully counterclockwise).

Scrambler 900

Rear Suspension Settings	
Loading Condition	**Spring Preload[1]**
Solo Riding - Standard	1
Solo Riding with Luggage (not exceeding limits)	3
Rider, Passenger and Luggage (not exceeding limits)	7

[1] Position 1 is minimum (fully clockwise) and position 7 is maximum (fully counterclockwise).

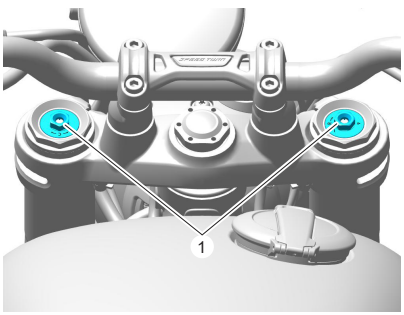
For rear suspension adjustment, see page 214.

Front Suspension Spring Preload Adjustment

Speed Twin 1200 RS Only

The spring preload adjusters are located at the top of each fork.

- Turn the adjuster clockwise to increase, or counterclockwise to decrease spring preload.
- Always count the number of adjuster turns clockwise from the fully counterclockwise position and set both forks to the same settings.



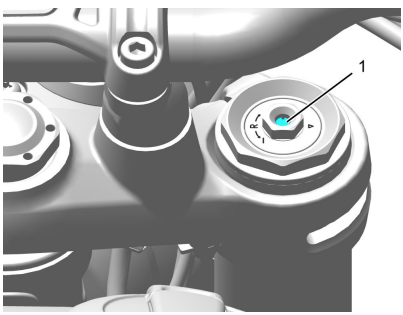
1. Spring preload adjusters

Front Suspension Rebound Damping Adjustment

Speed Twin 1200 RS Only

The rebound damping adjuster is located at the top of the right hand fork.

- Turn the slotted adjuster clockwise to increase, or counterclockwise to decrease rebound damping.
- Always count the number of adjuster turns counterclockwise from the fully clockwise position.



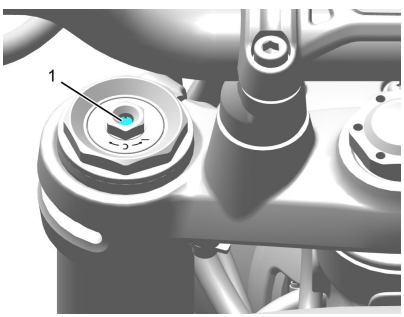
1. Rebound damping adjuster

Front Suspension Compression Damping Adjustment

Speed Twin 1200 RS Only

The compression damping adjuster is located at the top of the left hand fork.

- Turn the slotted adjuster clockwise to increase, or counterclockwise to decrease compression damping.
- Always count the number of adjuster turns counterclockwise from the fully clockwise position.



1. **Compression damping adjuster**

Rear Suspension Spring Preload Adjustment

⚠ CAUTION

If the engine has recently been running, the exhaust components may be hot to the touch.

To avoid skin damage, always allow the hot parts to cool before touching the exhaust system.

Contact with the hot components may cause minor to moderate injury to exposed skin.

Speed Twin 1200 and Speed Twin 900

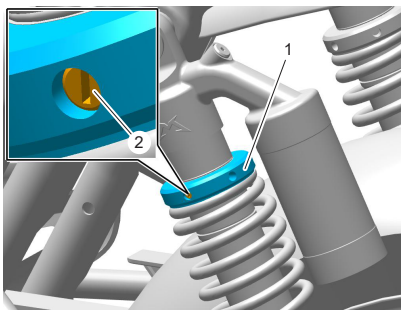
The spring preload adjusters are located at the top of each rear suspension unit.

NOTICE

Make sure that the screwdriver has a secure and tight fit in the grub screw slot before loosening the grub screw, otherwise the grub screw may get damaged.

- Loosen the grub screw.
- Insert a suitable tool into a hole in the spring preload adjuster ring.

- When viewed from above, turn the adjuster ring clockwise to increase, or counterclockwise to decrease spring preload.
- Always count the number of adjuster turns clockwise from the fully counterclockwise position.
- Carefully tighten the grub screw to 13.3 lbf in (1.5 Nm).



1. **Spring preload adjuster ring (left hand side shown) (Speed Twin 1200 shown)**
2. **Grub screw**

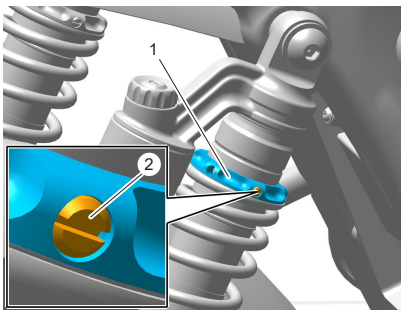
Speed Twin 1200 RS

The spring preload adjusters are located at the top of each rear suspension unit.

NOTICE

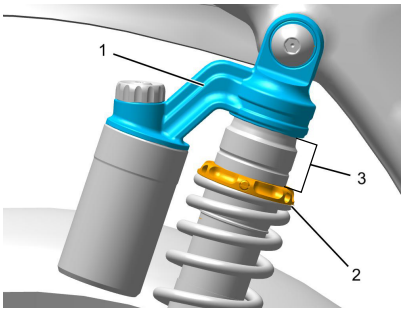
Make sure that the screwdriver has a secure and tight fit in the grub screw slot before loosening the grub screw, otherwise the grub screw may get damaged.

- Loosen the grub screw.
- Insert a suitable tool into a hole in the spring preload adjuster ring.
- When viewed from above, turn the adjuster ring clockwise to increase, or counterclockwise to decrease spring preload.



1. **Spring preload adjuster ring (right hand side shown)**
2. **Grub screw**

- Measure the spring preload setting dimension between the bottom of the reservoir bracket to the top of the adjuster ring.



1. **Reservoir bracket**
2. **Adjuster ring**
3. **Spring preload setting dimension**

- Carefully tighten the grub screw to 4.4 lbf in (0.5 Nm).

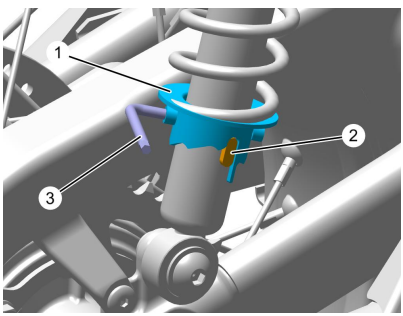
Bonneville T100, Bonneville T120 and Bonneville T120 Black

The spring preload adjusters are located at the bottom of each rear suspension unit.

Rear adjuster settings are counted from one, with position one being with the adjuster turned fully clockwise.

There are five adjuster positions in total. Position five gives the maximum amount of spring preload.

- Insert the adjustment tool (attached to the inside of the right hand side panel) into a hole in the spring preload adjuster ring.
- When viewed from above, turn the adjuster ring counterclockwise to increase, or clockwise to decrease spring preload.



1. **Spring preload adjuster ring (right hand side shown) (Bonneville T100 shown)**
2. **Adjuster ring stopper**
3. **Adjustment tool**

Scrambler 900

NOTICE

It is not necessary to remove the rear suspension unit cover or exhaust system to adjust the suspension.

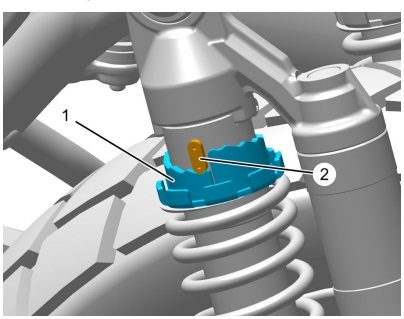
The rear spring preload adjusters can be accessed from the wheel side of the rear suspension units.

The spring preload adjusters are located at the top of each rear suspension unit.

Rear adjuster settings are counted from one, with position one being with the adjuster turned fully clockwise.

There are seven adjuster positions in total. Position seven gives the maximum amount of spring preload.

- Insert a suitable tool into the slots in the spring preload adjuster ring.
- When viewed from above, turn the adjuster ring counterclockwise to increase, or clockwise to decrease spring preload.



1. **Spring preload adjuster ring (left hand side shown - cover removed for clarity)**
2. **Adjuster ring stopper**

Rear Suspension Rebound Damping Adjustment

Speed Twin 1200 RS Only

⚠ CAUTION

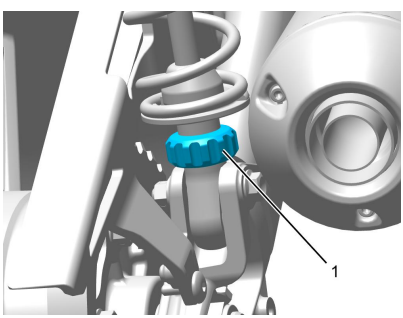
If the engine has recently been running, the exhaust components may be hot to the touch.

To avoid skin damage, always allow the hot parts to cool before touching the exhaust system.

Contact with the hot components may cause minor to moderate injury to exposed skin.

The rebound damping adjusters are located at the bottom of each rear suspension unit.

- When viewed from below, turn the adjuster clockwise to increase, or counterclockwise to decrease rebound damping.
- Always count the number of adjuster clicks counterclockwise from the fully clockwise position.



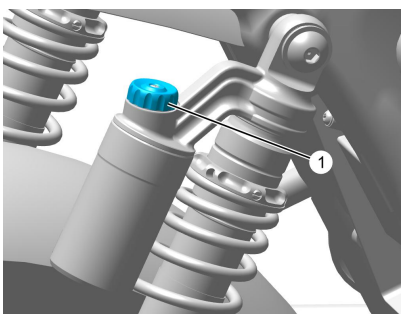
1. **Rebound damping adjuster (right hand side shown)**

Rear Suspension Compression Damping Adjustment

Speed Twin 1200 RS Only

The compression damping adjusters are located on the reservoir, towards the top of each rear suspension unit.

- When viewed from above, turn the adjuster clockwise to increase, or counterclockwise to decrease compression damping.
- Always count the number of adjuster clicks counterclockwise from the fully clockwise position.



1. **Compression damping adjuster (right hand side shown)**

Bank Angle Indicators

⚠ WARNING

The bank angle indicators must not be used as a guide to how far the motorcycle may be safely banked.

This depends on many various conditions including, but not limited to:

- Road surface
- Tire condition
- Weather.

Banking to an unsafe angle may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Always replace the bank angle indicators before they are worn to their maximum limit.

Use of a motorcycle with bank angle indicators worn beyond the maximum limit will allow the motorcycle to be banked to an unsafe angle.

Banking to an unsafe angle may lead to loss of motorcycle control which could result in serious injury or death.

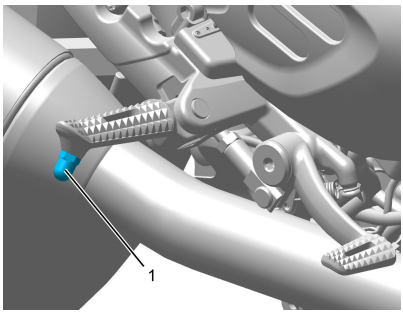
⚠ WARNING

When banking and the bank angle indicator, attached to the rider's footrest, makes contact with the ground, the motorcycle is nearing its bank angle limit.

A further increase of the banking angle is unsafe.

Banking to an unsafe angle may lead to loss of motorcycle control which could result in serious injury or death.

Bank angle indicators are located on the rider's footrests.



1. Bank angle indicator (Speed Twin 1200 shown)

Regularly check the bank angle indicators for wear.

The bank angle indicators must be replaced when they have reached the minimum length remaining as specified in the table.

Model	Minimum Bank Angle Indicator Length
Speed Twin 1200	0.2 in (5 mm)
Speed Twin 1200 RS	0.2 in (5 mm)
Speed Twin 900	0.59 in (15 mm)
Bonneville T100	0.2 in (5 mm)
Bonneville T120	0.2 in (5 mm)
Bonneville T120 Black	0.2 in (5 mm)
Scrambler 900	0.2 in (5 mm)

Tires



The motorcycle is equipped with either cast or spoked wheels.

Models with cast wheels are equipped with tubeless tires, valves and wheel rims. Use only tires marked 'TUBELESS' and tubeless valves on rims marked 'SUITABLE FOR TUBELESS TIRES'.

⚠ WARNING

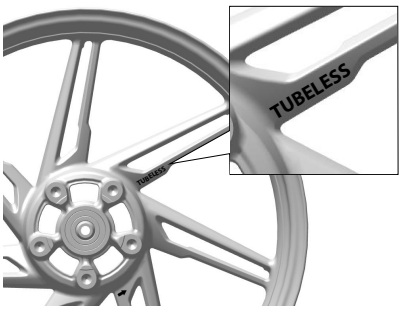
Do not install tube type tires on tubeless rims. The bead will not seat and the tires could slip on the rims, causing rapid tire deflation.

Never install an inner tube inside a tubeless tire without the appropriate marking. This will cause friction inside the tire and the resulting heat build-up may cause the tube to burst resulting in rapid tire deflation.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.



Typical Tire Marking - Tubeless Tire



Typical Wheel Marking - Tubeless Tire

⚠ WARNING

Inner tubes must only be used on motorcycles equipped with spoked wheels and with tires marked 'TUBE TYPE'.

Some brands of approved tires marked 'TUBELESS' may be suitable for use with an inner tube. Where this is the case, the tire wall will be marked with text permitting the mounting of an inner tube (see illustration below).

Use of an inner tube with a tire marked 'TUBELESS', and NOT marked as suitable for use with an inner tube, or use of an inner tube on an alloy wheel marked 'SUITABLE FOR TUBELESS TYRES' will cause deflation of the tire.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.



Typical Tire Marking - Tubeless Tire Suitable For Use With An Inner Tube

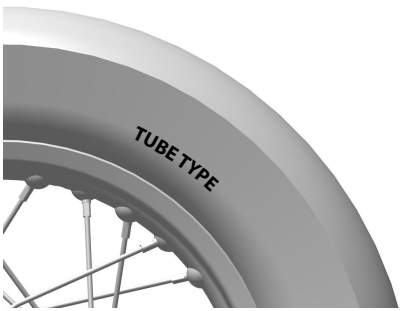
Models with spoked wheels are equipped with a tire suitable for use with an inner tube.

⚠ WARNING

Always use tires with an inner tube in a spoked wheel.

Riding a motorcycle with spoked wheels without an inner tube equipped will cause deflation of the tire.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.



Typical Tire Marking - Tube Type Tire

Tire Inflation Pressures

⚠ WARNING

Incorrect tire inflation will cause abnormal tread wear and instability.

Underinflation may result in the tire slipping on, or coming off the rim. Overinflation will cause accelerated tread wear and instability.

Both conditions are dangerous as they may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Tire pressures that have been reduced for off-road riding will impair on-road stability.

Always make sure that the tire pressures are set as described in the Specification section for on-road use.

Operation of the motorcycle with incorrect tire pressures may lead to loss of motorcycle control, which could result in serious injury or death.

Correct inflation pressure will provide maximum stability, rider comfort and tire life. Always check tire pressures before riding when the tires are cold. Check tire pressures daily and adjust if necessary. See the Specification section for details of the correct inflation pressures.

Tire Pressure Monitoring System (TPMS) (if equipped)

NOTICE

An adhesive label is installed to the wheel rim to indicate the position of the tire pressure sensor.

Care must be taken when replacing the tires to prevent any damage to the tire pressure sensors.

Always have the tires mounted by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer. It is important to inform them that tire pressure sensors are installed on the wheels before they remove the tires.

NOTICE

Do not use anti puncture fluid or any other item likely to obstruct air flow to the TPMS sensors' orifices. Any blockage to the air pressure orifice of the TPMS sensor during operation will cause the sensor to become blocked, causing irreparable damage to the TPMS sensor assembly.

Damage caused by the use of anti-puncture fluid or incorrect maintenance is not considered a manufacturing defect and will not be covered under warranty.

Always have the tires mounted by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer. It is important to inform them that tire pressure sensors are installed on the wheels before they remove the tires.

The tire pressures shown on your instruments indicate the actual tire pressure at the time of selecting the display. This may differ from the inflation pressure set when the tires are cold because tires become warmer during riding, causing the air in the tire to expand and increase the inflation pressure. The cold inflation pressures specified by Triumph take account of this.

Only adjust tire pressures when the tires are cold using an accurate pressure gage. Do not use the tire pressure display on the instruments.

Tire Wear

As the tire tread wears down, the tire becomes more susceptible to punctures and failure. It is estimated that 90% of all tire problems occur during the last 10% of tread life (90% worn). It is recommended that tires are changed before they are worn to their minimum tread depth.

Minimum Recommended Tread Depth

⚠ WARNING

Riding with damaged or defective wheels and/or excessively worn, punctured or damaged tires will affect traction, handling and stability.

When tubeless tires become punctured, leakage is often very slow. Always inspect tires very closely for punctures. Check the tires for cuts, embedded nails or other sharp objects. Check the wheel rims for dents or deformation.

For tire replacement or for a safety inspection of the tires, contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Riding with damaged wheels and tires is dangerous and may lead to loss of motorcycle control, which could result in serious injury or death.

In accordance with the periodic maintenance chart, measure the depth of the tread with a depth gage, and replace any tire that has worn to, or beyond, the minimum allowable tread depth specified in the table below:

Under 80 mph (130 km/h)	0.08 in (2 mm)
Over 80 mph (130 km/h)	Front 0.08 in (2 mm) Rear 0.12 in (3 mm)

Tire Replacement

All Triumph motorcycles are carefully and extensively tested in a range of riding conditions to make sure that the most effective tire combinations are approved for use on each model.

It is essential that approved tires and inner tubes (if installed) mounted in approved combinations, are used when purchasing replacement items.

The use of non-approved tires and inner tubes, or approved tires and inner tubes in non-approved combinations, may lead to motorcycle instability, loss of control and an accident.

A list of approved tires and inner tubes specific to your motorcycle are available from your authorized Triumph dealer, or on the Internet at www.triumphtechnicalinformation.com/tyres.

Or;

Scan the QR code using your smart device:

Tires and inner tubes must be selected in the correct combination, from the approved Tire Selector. Tires and inner tubes must be mounted and balanced according to the tire and inner tube manufacturer's instructions.

When replacement tires or inner tubes are required, contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Initially, the new tires and inner tubes will not produce the same handling characteristics as the worn tires and inner tubes and the rider must allow adequate riding distance (approximately 100 miles (160 km)) to become accustomed to the new handling characteristics.

The tire pressures must be checked and adjusted, and the tires and inner tubes examined for correct seating 24 hours after mounting. Rectification must be carried out as necessary. The same checks and adjustments must also be carried out when 100 miles (160 km) have been traveled after mounting.

⚠ WARNING

Use the recommended tires ONLY in the combinations listed in the approved Tire Selector at www.triumphtechnicalinformation.com /tyres.

Do not mix tires from different manufacturers or mix different specification tires from the same manufacturers.

Using/mixing tires may affect the handling, stability, braking and traction control (if equipped) functions of the motorcycle.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Inner tubes must only be used on motorcycles equipped with spoked wheels and with tires marked 'TUBE TYPE'.

Some brands of approved tires marked 'TUBELESS' may be suitable for use with an inner tube. Where this is the case, the tire wall will be marked with text permitting the installation of an inner tube.

Use of an inner tube with a tire marked 'TUBELESS', and NOT marked as suitable for use with an inner tube, or use of an inner tube on an alloy wheel marked 'SUITABLE FOR TUBELESS TYRES' will cause deflation of the tire leading to loss of motorcycle control which could result in serious injury or death.

⚠ WARNING

Do not install tube type tires on tubeless rims. The bead will not seat and the tires could slip on the rims, causing rapid tire deflation.

Never install an inner tube inside a tubeless tire without the appropriate marking. This will cause friction inside the tire and the resulting heat build-up may cause the tube to burst resulting in rapid tire deflation.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

If a tire or inner tube sustains a puncture, the tire and inner tube must be replaced.

Operation of the motorcycle with a punctured or repaired tire or inner tube may adversely affect the motorcycle stability.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

If tire damage is suspected, such as after striking an object, the tire must be inspected both internally and externally by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Tire damage may not always be visible from the outside.

Operation of the motorcycle with damaged tires may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Do not use the motorcycle with incorrectly seated tires or inner tubes, or incorrectly adjusted tire pressures.

Incorrectly seated tires or inner tubes, or incorrectly adjusted tire pressures may affect the handling, stability or other aspects of the motorcycle's operation.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

ABS operates by comparing the relative speed of the front and rear wheels.

Use of non-recommended tires can affect wheel speed and cause the ABS function not to operate in conditions where the ABS would normally function.

A list of approved tires specific to these models is available from your authorized Triumph dealer, or on the Internet at www.triumphtechnicalinformation.com/tyres.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Accurate wheel balance is necessary for safe, stable handling of the motorcycle. Do not remove or change any wheel balance weights. Incorrect wheel balance may cause instability.

Only use self-adhesive weights. Clip on weights may damage the wheel, tire or inner tube resulting in tire deflation.

When wheel balancing is required, such as after tire or inner tube replacement, contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Tires and inner tubes that have been used on a rolling road dynamometer may become damaged. In some cases, the damage may not be visible on the external surface of the tire.

Tires and inner tubes must be replaced after such use as continued use of a damaged tire or inner tube may cause instability.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

Battery

⚠ WARNING

The battery contains sulfuric acid (battery acid). Contact with skin or eyes may cause severe burns. Wear protective clothing and a face shield.

If battery acid gets on your skin, flush with water immediately.

If battery acid gets in your eyes, flush with water for at least 15 minutes and SEEK MEDICAL ATTENTION IMMEDIATELY.

If battery acid is swallowed, drink large quantities of water and SEEK MEDICAL ATTENTION IMMEDIATELY.

KEEP BATTERY ACID OUT OF THE REACH OF CHILDREN.

Failure to follow the advice above could result in serious injury or death.

⚠ WARNING

Make sure that there is adequate ventilation when charging or using the battery in an enclosed space.

Under certain circumstances, the battery may release explosive gases. Make sure to keep all sparks, flames and cigarettes away from the battery.

Do not attach jump leads to the battery, touch the battery cables together or reverse the polarity of the cables, as any of these actions may cause a spark which would ignite battery gases causing a risk of serious injury or death.

⚠ WARNING

The battery contains harmful materials.

Always keep children and pets away from the battery at all times.

Failure to follow the advice above could result in serious injury or death.

Battery - Removal

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

⚠ WARNING

Make sure that the battery terminals do not touch the motorcycle frame.

This may cause a short circuit or spark which would ignite battery gases.

Failure to follow the advice above could result in serious injury or death.

⚠ WARNING

Before disconnecting the battery or removing a fuse for any reason, note and record the riding modes settings.

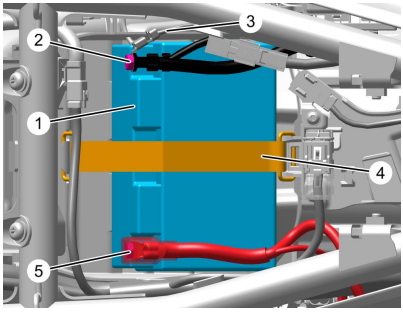
Once the fuse has been remounted or the battery reconnected, the riding modes should be reset as noted.

Failure to reset the motorcycle riding modes settings and subsequently being ridden, may cause loss of motorcycle control, which could result in serious injury or death.

- Remove the seat, see page 128.

Speed Twin 1200 and Speed Twin 1200 RS

- Disconnect the ABS ground and battery negative (black) leads.
- Slide the positive terminal protective cap to gain access to the fastener.
- Disconnect the battery positive (red) lead.
- Unhook the battery strap from its clip.

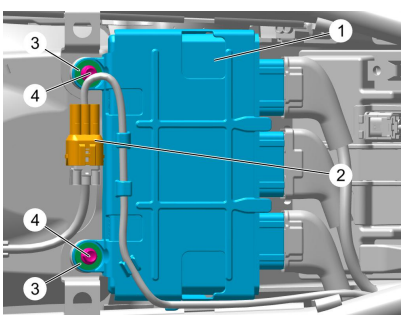


1. **Battery**
2. **Negative (-) terminal**
3. **ABS ground lead**
4. **Battery strap**
5. **Positive (+) terminal**

- Take the battery out of the case.

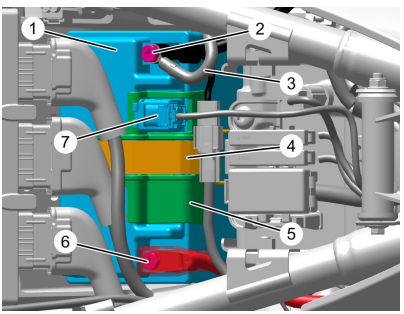
Speed Twin 900, Bonneville T100, Bonneville T120, Bonneville T120 Black and Scrambler 900

- Disconnect the ABS ground and battery negative (black) leads.
- Slide the positive terminal protective cap to gain access to the fastener.
- Disconnect the battery positive (red) lead.
- For Speed Twin 900 and Scrambler 900, remove the fasteners securing the engine ECM bracket to the frame and collect the flanged sleeves.
- For Bonneville T100, Bonneville T120 and Bonneville T120 Black, remove and discard the fasteners securing the engine ECM bracket to the frame and collect the flanged sleeves.
- Release the brake/tail lights electrical connector from its lug on the engine ECM bracket.
- Position the engine ECM assembly to one side.



1. **Engine ECM assembly**
2. **Brake/tail lights electrical connector**
3. **Flanged sleeves**
4. **Engine ECM bracket fasteners**

- Disconnect the diagnostic connector from the diagnostic connector molding.
- Unhook the battery strap from its clip.
- Position the diagnostic connector molding aside.



1. **Battery**
2. **Negative (-) terminal**
3. **ABS ground lead**
4. **Battery strap**
5. **Diagnostic connector molding**
6. **Positive (+) terminal**
7. **Diagnostic connector**

- Take the battery out of the case.

Battery Disposal

Should the battery ever require replacement, the original battery must be handed to a recycling agent who will make sure that the dangerous substances from which the battery is manufactured do not pollute the environment.

Battery Maintenance

⚠ WARNING

Battery acid is corrosive and poisonous and will cause damage to unprotected skin.

Never swallow battery acid or allow it to come into contact with the skin.

To prevent injury, always wear eye and skin protection when handling the battery.

Failure to follow the advice above could result in serious injury or death.

The battery is a sealed type and does not require any maintenance other than checking the voltage and routine recharging when required, such as during storage.

Clean the battery using a clean, dry cloth. Make sure that the cable connections are clean.

It is not possible to adjust the battery acid level in the battery; the sealing strip must not be removed.

Battery Discharge

NOTICE

The charge level in the battery must be maintained to maximize battery life.

Failure to maintain the battery charge level could cause serious internal damage to the battery.

Under normal conditions, the motorcycle charging system will keep the battery fully charged. However, if the motorcycle is unused, the battery will gradually discharge due to a normal process called self-discharge; the clock, engine ECM memory, high ambient temperatures, or the addition of electrical security systems or other electrical accessories will all increase this rate of battery discharge. Disconnecting the battery from the motorcycle during storage will reduce the rate of discharge.

Battery Discharge During Storage and Infrequent Use of the Motorcycle

During storage or infrequent use of the motorcycle, inspect the battery voltage weekly using a multimeter. Follow the manufacturer's instructions supplied with the meter.

Should the battery voltage fall below 12.7 Volts, the battery should be charged.

Allowing a battery to discharge or leaving it discharged for even a short period of time causes sulphation of the lead plates. Sulphation is a normal part of the chemical reaction inside the battery, however over time the sulphate can crystallize on the plates making recovery difficult or impossible. This permanent damage is not covered by the motorcycle warranty, as it is not due to a manufacturing defect.

Keeping the battery fully charged reduces the likelihood of it freezing in cold conditions. Allowing a battery to freeze will cause serious internal damage to the battery.

Battery Charging

⚠ WARNING

The battery contains sulfuric acid (battery acid). Contact with skin or eyes may cause severe burns. Wear protective clothing and a face shield.

If battery acid gets on your skin, flush with water immediately.

If battery acid gets in your eyes, flush with water for at least 15 minutes and SEEK MEDICAL ATTENTION IMMEDIATELY.

If battery acid is swallowed, drink large quantities of water and SEEK MEDICAL ATTENTION IMMEDIATELY.

KEEP BATTERY ACID OUT OF THE REACH OF CHILDREN.

Failure to follow the advice above could result in serious injury or death.

NOTICE

Do not use an automotive quick charger as it may overcharge and damage the battery.

For help with selecting a battery charger, checking the battery voltage or battery charging, contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

For extended periods of storage (beyond two weeks) the battery should be removed from the motorcycle and kept charged using a Triumph approved maintenance charger.

Similarly, should the battery charge fall to a level where it will not start the motorcycle, remove the battery from the motorcycle before charging.

Should the battery voltage fall below 12.7 Volts, the battery should be charged using a Triumph approved battery charger. Always remove the battery from the motorcycle.

The Triumph recommended battery charger will come with a set of battery connector leads:

- A connector lead with ring terminals.
- A connector lead with crocodile clips.

To charge the battery, do the following:

- We recommend removing the battery from the motorcycle before charging.
  - If the battery needs to be charged when installed on the motorcycle, use the connector lead with ring terminals (supplied with the Triumph recommended battery charger).
  - Do not use the USB socket (if equipped) to charge the motorcycle battery.
  - The connector lead with crocodile clips (supplied with the Triumph recommended battery charger) must not be used to charge the battery when it is mounted on the motorcycle.
- Follow the instructions supplied with the approved battery charger.
- Charge the battery with a lower current than the MAX Charging Current found on the charging label.
- If the battery becomes hot to the touch, stop charging and allow the battery to cool before resuming.
- After charging, leave the battery for 1 to 2 hours before checking the voltage. If the voltage is less than 12.9 Volts, additional charging is necessary.

Battery - Installation

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

Failure to follow the advice above could result in serious injury or death.

⚠ WARNING

Make sure that the battery terminals do not touch the motorcycle frame.

This may cause a short circuit or spark which would ignite battery gases.

Failure to follow the advice above could result in serious injury or death.

⚠ WARNING

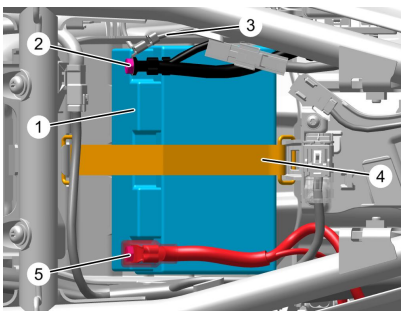
Before disconnecting the battery or removing a fuse for any reason, note and record the riding modes settings.

Once the fuse has been remounted or the battery reconnected, the riding modes should be reset as noted.

Failure to reset the motorcycle riding modes settings and subsequently being ridden, may cause loss of motorcycle control, which could result in serious injury or death.

Speed Twin 1200 and Speed Twin 1200 RS

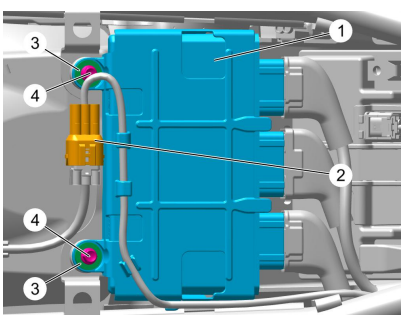
- Place the battery in the battery case and secure with the battery strap.
- Reconnect the battery, positive (red) lead first and then the negative and ABS ground (black) leads.
- Tighten the battery terminals to 40 lbf in (4.5 Nm).
- Apply a light coat of grease to the terminals to prevent corrosion.
- Cover the positive terminal with the protective cap.



1. **Battery**
2. **Negative (-) terminal**
3. **ABS ground lead**
4. **Battery strap**
5. **Positive (+) terminal**

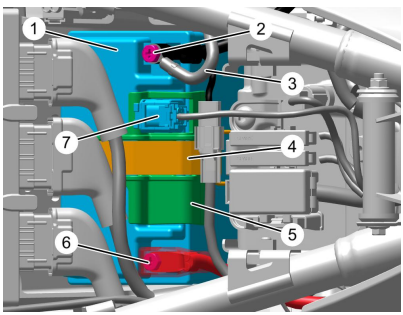
Speed Twin 900, Bonneville T100, Bonneville T120, Bonneville T120 Black and Scrambler 900

- Place the battery in the battery case.
- Place the diagnostic connector molding into position and secure with the battery strap.
- Reconnect the diagnostic connector to the diagnostic connector molding.
- Position the engine ECM assembly to the frame and mount the flanged sleeves.
- For Speed Twin 900 and Scrambler 900, secure the engine ECM bracket with the fasteners and tighten to 71 lbf in (8 Nm).
- For Bonneville T100, Bonneville T120 and Bonneville T120 Black, secure the engine ECM bracket with new fasteners and tighten to 89 lbf in (10 Nm).
- Attach the brake/tail lights electrical connector onto its locating lug on the engine ECM bracket.



1. **Engine ECM assembly**
2. **Brake/tail lights electrical connector**
3. **Flanged sleeves**
4. **Engine ECM bracket fasteners**

- Reconnect the battery, positive (red) lead first and then the negative and ABS ground (black) leads.
- Tighten the battery terminals to 40 lbf in (4.5 Nm).
- Apply a light coat of grease to the terminals to prevent corrosion.
- Cover the positive terminal with the protective cap.



1. **Battery**
2. **Negative (-) terminal**
3. **ABS ground lead**
4. **Battery strap**
5. **Diagnostic connector molding**
6. **Positive (+) terminal**
7. **Diagnostic connector**

All Models

- Reinstall the seat, see page 131.

Fuses

⚠ WARNING

Before disconnecting the battery or removing a fuse for any reason, note and record the riding modes settings.

Once the fuse has been remounted or the battery reconnected, the riding modes should be reset as noted.

Failure to reset the motorcycle riding modes settings and subsequently being ridden, may cause loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Always replace blown fuses with new ones of the correct rating (as specified on the fuse box cover).

Never replace a blown fuse with a fuse of a different rating.

Use of an incorrect fuse could lead to an electrical problem, resulting in motorcycle damage and leading to loss of motorcycle control, which could result in serious injury or death.

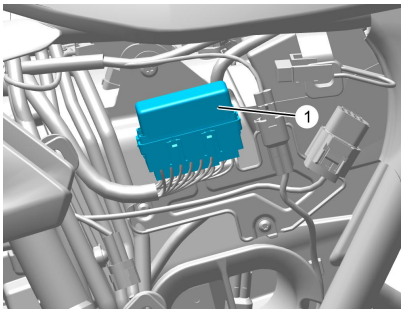
NOTICE

A blown fuse is indicated when all of the systems protected by that fuse become inoperative. When checking for a blown fuse, use the tables to establish which fuse has blown.

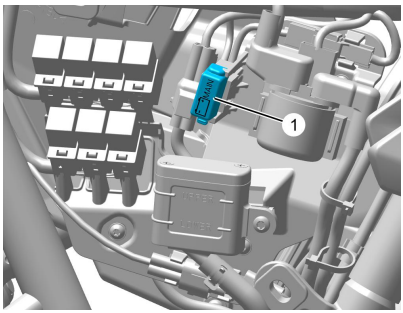
Fuse Box Locations

Speed Twin 1200 and Speed Twin 1200 RS

The fuse box is located behind the left hand side panel and the main fuse is located behind the right hand side panel. To allow access to the fuse box and the main fuse, the side panels must be removed, see page 133.



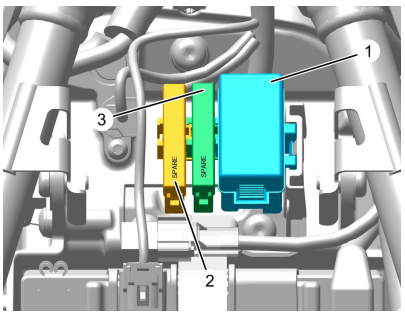
1. Fuse box



1. Main fuse (30 Amp)

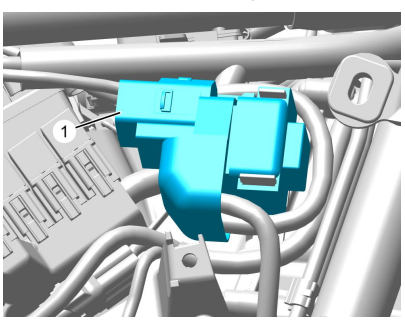
Speed Twin 900, Bonneville T100, Bonneville T120, Bonneville T120 Black and Scrambler 900

The fuse boxes are located under the seat. To allow access to the fuse boxes, the seat must be removed, see page 128.



1. **Fuse box 1**
2. **Fuse box 2**
3. **Fuse box 3**

The main fuse is located behind the right hand side panel. To allow access to the main fuse, the right hand side panel must be removed, see page 133.



1. **Main fuse (30 Amp)**

Fuse Identification

The fuse identification numbers listed in the tables correspond with those printed on the fuse box covers, as shown in the images below.

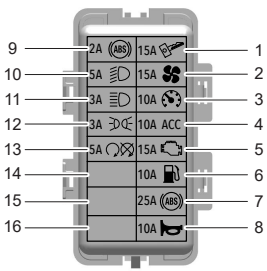
Spare fuses are located on the inside of the fuse box covers and should be replaced if used.

Main Fuse

Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - Main fuse	30

Speed Twin 1200 and Speed Twin 1200 RS

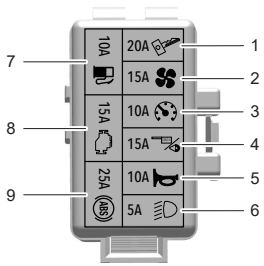
Fuse Box



Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - Ignition switch	15
Fuse 2 - Starter motor and cooling fan	15
Fuse 3 - Instruments	10
Fuse 4 - Accessories	10
Fuse 5 - Engine Management System (EMS)	15
Fuse 6 - Fuel pump	10
Fuse 7 - ABS modulator	25
Fuse 8 - Horn	10
Fuse 9 - ABS	2
Fuse 10 - Dipped beam	5
Fuse 11 - Main beam	3
Fuse 12 - Daytime Running Lights (DRL)	3
Fuse 13 - Engine start/stop switch	5
Fuse 14 - Empty	-
Fuse 15 - Empty	-
Fuse 16 - Empty	-

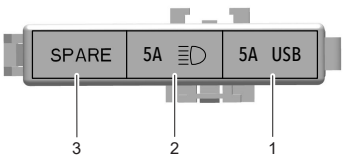
Speed Twin 900

Fuse Box 1



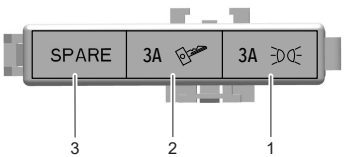
Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - Ignition switch	20
Fuse 2 - Starter motor and cooling fan	15
Fuse 3 - Instruments	10
Fuse 4 - Diagnostics	15
Fuse 5 - Horn	10
Fuse 6 - Dipped beam	5
Fuse 7 - Fuel pump	10
Fuse 8 - Engine Management System (EMS)	15
Fuse 9 - ABS modulator	25

Fuse Box 2



Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - Universal Serial Bus (USB)	5
Fuse 2 - Main beam	5
Fuse 3 - Spare	5

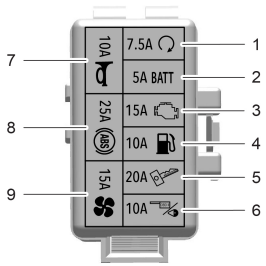
Fuse Box 3



Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - Position lights	3
Fuse 2 - Ignition switch	3
Fuse 3 - Spare	3

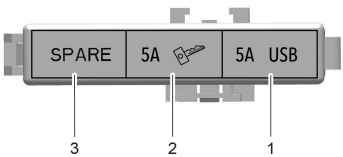
Bonneville T100, Bonneville T120 and Bonneville T120 Black

Fuse Box 1



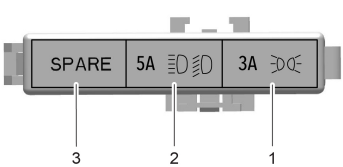
Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - Starter solenoid	7.5
Fuse 2 - Battery	5
Fuse 3 - Engine Management System (EMS)	15
Fuse 4 - Fuel pump	10
Fuse 5 - Ignition	20
Fuse 6 - Diagnostics	10
Fuse 7 - Horn	10
Fuse 8 - ABS modulator	25
Fuse 9 - Cooling fan	15

Fuse Box 2



Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - Universal Serial Bus (USB)	5
Fuse 2 - Ignition switch	5
Fuse 3 - Spare	5

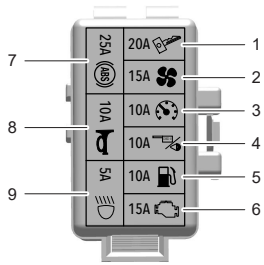
Fuse Box 3



Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - Position lights	3
Fuse 2 - Lights	5
Fuse 3 - Spare	3

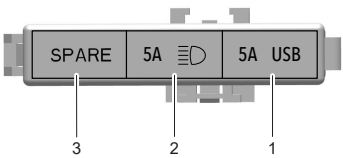
Scrambler 900

Fuse Box 1



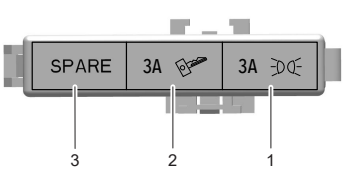
Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - Ignition switch	20
Fuse 2 - Starter motor and cooling fan	15
Fuse 3 - Instruments	10
Fuse 4 - Diagnostics	10
Fuse 5 - Fuel pump	10
Fuse 6 - Engine Management System (EMS)	15
Fuse 7 - ABS modulator	25
Fuse 8 - Horn	10
Fuse 9 - Dipped beam	5

Fuse Box 2



Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - Universal Serial Bus (USB)	5
Fuse 2 - Main beam	5
Fuse 3 - Spare	5

Fuse Box 3



Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - Position lights	3
Fuse 2 - Ignition switch	3
Fuse 3 - Spare	3

Lights

NOTICE

The use of non-approved bulbs may result in damage to lenses and other lighting unit components.

In addition, the use of bulbs of incorrect wattage may cause the chassis ECM to cut power to affected lighting circuits.

Use genuine Triumph supplied bulbs, as specified in the Triumph Parts Catalog.

Always have replacement bulbs installed by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Headlight(s)



⚠ WARNING

Adjust road speed to suit the visibility and weather conditions in which the motorcycle is being operated.

Make sure that the headlight beam is adjusted to illuminate the road surface sufficiently far ahead, without blinding oncoming traffic.

An incorrectly adjusted headlight may impair visibility for oncoming traffic, leading to an accident, which could result in serious injury or death.

⚠ WARNING

Never attempt to adjust a headlight beam when the motorcycle is in motion.

Any attempt to adjust a headlight beam when the motorcycle is in motion may lead to loss of motorcycle control.

Failure to follow the advice above could result in serious injury or death.

NOTICE

Do not cover the headlight or lens with any item likely to obstruct air flow to, or prevent heat escaping from, the headlight lens. For example:

- Items of clothing or luggage
- Adhesive tape
- Devices intended to alter or adjust the headlight beam
- Non-genuine headlight lens covers.

Covering the headlight lens during operation will cause the headlight lens to overheat and distort, causing irreparable damage to the headlight assembly.

Damage caused by overheating is not considered a manufacturing defect and will not be covered under warranty.

If the headlight must be covered during use - such as taping of the headlight lens required during closed-course conditions - the headlight must be disconnected.

NOTICE

The use of non-approved headlight units may result in damage to the headlight unit and/or motorcycle.

Use a genuine Triumph supplied headlight unit, as specified in the Triumph Parts Catalog.

Always have replacement headlight units installed by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Condensation

NOTICE

If condensation inside the headlight does not clear, we recommend that the headlight is inspected by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

In certain conditions, condensation may occur inside the headlight.

Condensation may happen while it is raining or after washing the motorcycle.

Condensation inside the headlight will gradually disappear with the headlight on while riding the motorcycle.

Time for evaporation will vary depending on the humidity of the ambient air.

Headlight(s) Adjustment

NOTICE

Check and, if necessary, correct the tire pressures before adjusting the headlight beam.

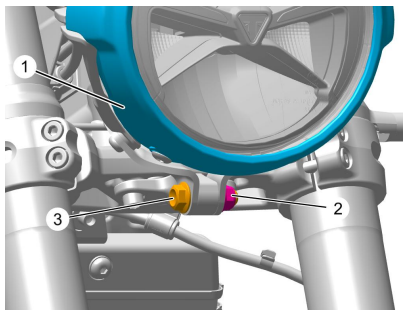
NOTICE

Always make sure the handlebars are in the straight ahead position when checking and adjusting the headlight beam.

The headlight can only be adjusted vertically.

Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900

- Switch the ignition on. The engine does not need to be running.
- Switch the headlight dipped beam on.
- Loosen the pivot bolt lock nut sufficiently to allow restricted movement of the headlight.
- Adjust the position of the headlight to give the required beam setting.
- Tighten the pivot bolt lock nut to 18 lbf ft (25 Nm).

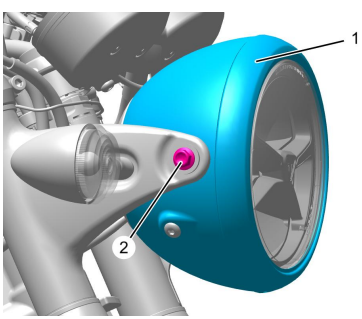


1. **Headlight (Speed Twin 1200 shown)**
2. **Pivot bolt lock nut**
3. **Headlight pivot bolt**

- Recheck the headlight beam settings.
- Switch the headlights off when the beam settings are satisfactorily set.

Bonneville T100, Bonneville T120 and Bonneville T120 Black

- Switch the ignition on. The engine does not need to be running.
- Switch the headlight dipped beam on.
- Loosen the headlight mounting bolts sufficiently to allow restricted movement of the headlight.
- Adjust the position of the headlight to give the required beam setting.
- Tighten the headlight mounting bolts to 89 lbf in (10 Nm).



1. **Headlight (Bonneville T100 shown)**
2. **Headlight mounting bolt (right hand side shown)**

- Recheck the headlight beam settings.
- Switch the headlights off when the beam settings are satisfactorily set.

Headlight(s) Replacement

The headlight unit is a sealed, maintenance-free LED unit. The headlight unit must be replaced in the event of the failure of the headlight.

Brake/Tail Light

The brake/tail light unit is a sealed, maintenance-free LED unit. The tail light unit must be replaced in the event of the failure of the tail light.

Turn Signal Lights

The motorcycle is equipped with either LED or bulb turn signal lights.

LED Turn Signal Lights

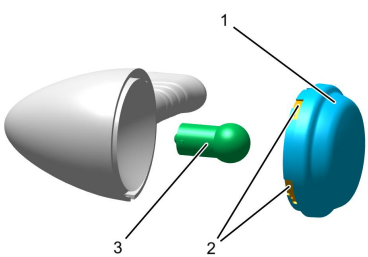
Speed Twin 1200, Speed Twin 1200 RS, Speed Twin 900 and Scrambler 900

The turn signal light units are sealed, maintenance-free LED units. A turn signal light unit must be replaced in the event of the failure of the turn signal light.

Turn Signal Bulb Replacement

Bonneville T100, Bonneville T120 and Bonneville T120 Black

- Remove the seat, see page 128.
- Disconnect the battery, ABS ground and negative (black) leads first and then the positive (red) lead.
- Carefully twist the turn signal lens counterclockwise and remove from the indicator body to gain access to the bulb.
- Gently press the bulb inwards and twist counterclockwise to remove the bulb. Replace with a new bulb.



1. **Turn signal lens**
2. **Locating tangs**
3. **Bulb**

- Installation for the bulb is the reverse of the removal procedure.

NOTICE

When installing the lens, make sure that the locating tangs are correctly aligned to the turn signal body.

- Align the locating tangs with the indicator body and twist clockwise to secure the turn signal lens.
- Reconnect the battery, positive (red) lead first and then the negative and ABS ground (black) leads.
- Tighten the battery terminals to 40 lbf in (4.5 Nm).
- Apply a light coat of grease to the terminals to prevent corrosion.
- Cover the positive terminal with the protective cap.
- Reinstall the seat, see page 131.

License Plate Light

The license plate light unit is a sealed, maintenance-free LED unit. The license plate light unit must be replaced in the event of the failure of the license plate light.

Table of Contents

Cleaning 244
Preparation for Washing 244
Where to be Careful 245
Washing 246
After Washing 246
Gloss Paintwork Care 247
Matt Paintwork Care 247
Aluminum Items - not Lacquered or Painted 247
Chrome and Stainless Steel Care 248
Black Chrome Care 248
Exhaust System Care 249
Seat Care 250
Windshield Care (if equipped) 250
Leather Products Care 251
Monsoon/Rainy Season Care 252
Storage 253

CLEANING AND STORAGE

Cleaning

Regular cleaning is an essential part of the maintenance of your motorcycle. If regularly cleaned, the appearance will be preserved for many years.

Cleaning with cold water containing an automotive cleaner is essential at all times, but particularly so after exposure to sea breezes, sea water, dusty or muddy roads and in winter, when roads are treated for ice and snow.

Do not use household detergent, as the use of such products will lead to premature corrosion.

Although, under the terms of your motorcycle warranty, cover is provided against the corrosion of certain items, the owner is expected to observe this reasonable advice, which will safeguard against corrosion and enhance the appearance of the motorcycle.

Preparation for Washing

Before washing, precautions must be taken to keep water off the following places.

Rear opening of the exhausts: Cover with a plastic bag secured with rubber bands.

Clutch and brake levers, switch housings on the handlebar: Cover with plastic bags.

Ignition switch and steering lock: Cover the keyhole (if applicable) with tape.

Remove any items of jewelry such as rings, watches, zips or belt buckles, which may scratch or otherwise damage painted or polished surfaces.

Use separate cleaning sponges or cleaning cloths for washing painted/ polished surfaces and chassis areas. Chassis areas (such as wheels and under fenders) will be exposed to more abrasive road grime and dust, which may scratch painted or polished surfaces, if the same sponge or cleaning cloths are used.

Where to be Careful

NOTICE

Do not use high pressure spray washers or steam cleaners.

Use of high pressure spray washers and steam cleaners may damage seals, and cause water and steam to be forced into bearings and other components causing premature wear from corrosion and loss of lubrication.

NOTICE

Do not use compressed air to dry the motorcycle.

Use of compressed air may damage seals and cause water to be forced into bearings and other components causing premature wear from corrosion and loss of lubrication.

NOTICE

Do not spray any water at all near the air intake duct.

The air intake duct is located under the rider's seat, under the fuel tank or near the steering head.

Any water sprayed in this area could enter the airbox and engine, causing damage to both items.

Do not get water near the following places:

- Air and any intake duct
- Any visible electrical components
- Brake cylinders and brake calipers
- Handlebar switch housings
- Steering head bearings
- Instruments (if equipped)
- Oil filler cap
- Rear bevel box breather (if equipped)
- Rear of headlights (if equipped)
- Seats
- Suspension seals and bearings
- Steering damper (if equipped)
- Under the fuel tank
- Wheel bearings.

Washing

To wash the motorcycle, do the following:

- Make sure that the motorcycle engine is cold.
- Prepare a mixture of clean, cold water and mild automotive cleaner or low alkaline soap.
- Do not use a highly alkaline soap as commonly found at commercial car washes because it will leave a residue on painted surfaces and may also cause water spotting.
- Wash the motorcycle with a sponge or soft cloth.
- Do not use abrasive scouring pads or steel wool. They will damage the finish.
- Rinse the motorcycle thoroughly with clean, cold water.

Do not use the following:

- Do not use high pressure spray washers or steam cleaners.
- Do not use compressed air to dry the motorcycle.

After Washing

⚠ WARNING

Never wax or lubricate the brake discs.

Always clean the brake disc with a proprietary brand of oil-free brake disc cleaner.

Waxed or lubricated brake discs may lead to loss of motorcycle control which could result in serious injury or death.

After washing the motorcycle, do the following:

- Remove the plastic bags and tape, and clear the air intakes.
- Lubricate the pivots, bolts and nuts.
- Test the brakes before motorcycle operation.
- Use a dry cloth or chamois leather to absorb water residue. Do not allow water to stand on the motorcycle as this will lead to corrosion.
- Start the engine and run it for 5 minutes. Make sure that there is adequate ventilation for the exhaust fumes.

Gloss Paintwork Care

Gloss paintwork should be washed and dried as described previously, then protected using a high quality automotive wax polish. Always follow the manufacturer's instructions and repeat regularly to maintain your motorcycle's appearance.

Matt Paintwork Care

Matt paintwork requires no greater care than that already recommended for gloss paintwork. Note the following:

- Do not use any polish or wax on matt paintwork.
- Do not try and polish out scratches.

Aluminum Items - not Lacquered or Painted

Items such as brake and clutch levers, wheels, engine covers, engine cooling fins, upper and lower yokes and throttle bodies on some models must be correctly cleaned to preserve their appearance. Please contact your dealer if you are not sure which components on your motorcycle are aluminum parts not protected by paint or lacquer, and for guidance on how to clean those items.

Use a proprietary brand of aluminum cleaner that does not contain abrasive or caustic elements.

Clean aluminum items regularly, in particular after use in inclement weather, where the components must be hand washed and dried each time the machine is used.

Warranty claims due to inadequate maintenance will not be allowed.

Chrome and Stainless Steel Care

All chrome and stainless steel parts of your motorcycle must be cleaned regularly to avoid a deterioration of its appearance.

Washing

Wash as previously described.

Drying

Dry the chrome and stainless steel parts as far as possible with a soft cloth or chamois leather.

Protecting

NOTICE
The use of products that contain silicone will cause discoloration of the chrome and stainless steel parts, and must not be used.
The use of abrasive cleaning products will damage the finish, and must not be used.

When the chrome and stainless steel is dry, apply a suitable proprietary chrome cleaner on to the surface, following the manufacturer's instructions.

It is recommended that regular protection be applied to the motorcycle as this will both protect and enhance its appearance.

Black Chrome Care

Items such as headlight bowls and mirrors on some models must be correctly cleaned to preserve their appearance. Please contact your dealer if you are not sure which components on your motorcycle are black chrome parts. Maintain the appearance of black chrome items by rubbing a small amount of light oil into the surface.

Exhaust System Care

All parts of the exhaust system of your motorcycle must be cleaned regularly to avoid a deterioration of its appearance. These instructions can be applied to chrome, brushed stainless steel and carbon fiber components. Matt painted exhaust systems should be cleaned as above, noting the care instructions in the Matt Paintwork section previously.

The exhaust system must be cool before washing to prevent water spotting.

Washing

Wash as previously described.

Make sure that no soap or water enters the exhausts.

Drying

Dry the exhaust system as far as possible with a soft cloth or chamois leather. Do not run the engine to dry the system or spotting will occur.

Protecting

NOTICE

The use of products that contain silicone will cause discoloration of the chrome and stainless steel parts, and must not be used.

The use of abrasive cleaning products will damage the finish, and must not be used.

When the exhaust system is dry, apply a suitable proprietary motorcycle protection spray onto the surface, following the manufacturer's instructions.

It is recommended that regular protection be applied to the system as this will both protect and enhance the system's appearance.

Seat Care

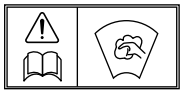
NOTICE

Do not use chemicals or high pressure spray washers to clean the seat.

Using chemicals or high pressure spray washers may damage the seat cover.

To help maintain its appearance, clean the seat using a sponge or cleaning cloth with soap and water.

Windshield Care (if equipped)



⚠ WARNING

Never attempt to clean the windshield while riding the motorcycle.

Removal of the rider's hands from the handlebars while riding the motorcycle will diminish the ability of the rider to maintain the control of the motorcycle.

Attempting to clean the windshield while riding the motorcycle may lead to loss of motorcycle control, which could result in serious injury or death.

NOTICE

Corrosive chemicals, such as battery acid, will damage the windshield. Never allow corrosive chemicals to come into contact with the windshield.

NOTICE

Products such as window cleaning fluids, insect remover, rain repellent, scouring compounds, gasoline or strong solvents such as alcohol, acetone, carbon tetrachloride, will damage the windshield.

Never allow these products to come into contact with the windshield.

Clean the windshield with a solution of mild soap or detergent and clean cold water.

After cleaning, rinse well and then dry with a soft, lint-free cloth.

If the transparency of the windshield is reduced by scratches or oxidation, which cannot be removed, the windshield must be replaced.

Leather Products Care

We recommend that the leather products are periodically cleaned with a damp cloth and allowed to dry naturally at room temperature. This will maintain the appearance of the leather and ensure the long life of the product.

The Triumph leather product is a natural product and lack of care can result in damage and permanent wear.

Follow these simple instructions to prolong the life of the leather product:

- Do not use household cleaning products, bleach, detergents containing bleach or any kind of solvent to clean the leather product.
- Do not immerse the leather product in water.
- Avoid direct heat from fires and radiators, which can dry out and distort the leather.
- Do not leave the leather product in direct sunlight for prolonged periods of time.
- Do not dry the leather product by applying direct heat to it at any time.

- If the leather product does get wet, absorb any excess water with a soft, clean cloth then leave the leather product to dry naturally at room temperature.
- Avoid exposure of the leather product to high levels of salt, for example sea/salt water or road surfaces that have been treated during the winter for ice and snow.
- If exposure to salt is unavoidable, clean the leather product immediately after each exposure using a damp cloth, then leave the leather product to dry naturally at room temperature.
- Gently clean any minor marks with a damp cloth then leave the leather product to dry naturally at room temperature.
- Place the leather product in a fabric bag or cardboard box to protect it when in storage. Do not use a plastic bag.

Monsoon/Rainy Season Care

During the Monsoon/Rainy season, extra care is required in order to obtain consistent performance of your motorcycle.

Always observe the following:

- Make sure that the motorcycle is parked in a covered area. If a covered area is not available, make sure to put a suitable waterproof breathable cover over the motorcycle.
- Make sure that the tires are in a good condition.
- Check and, if necessary, correct the tire pressures.

NOTICE

If the drive chain gets contaminated by mud, we recommend that the drive chain is cleaned and lubricated before riding.

- The drive chain should be cleaned and lubricated every 200 miles (300 km) using Triumph Performance chain lubricant.

⚠ WARNING

When using the motorcycle on loose, wet or muddy roads, braking effectiveness will be reduced by dust, mud or moisture collecting on the brakes.

Always brake earlier in these conditions to make sure that brake surfaces are cleaned by the braking action.

Riding the motorcycle with brakes contaminated with dust, mud or moisture may lead to loss of motorcycle control, which could result in serious injury or death.

- Check that the front and rear brakes are functioning correctly.
- Make sure that you wear appropriate waterproof clothing suitable for motorcycles.
- Never ride the motorcycle through floods as water may enter the engine. Water entering the engine may cause engine damage. Damage caused by water entering the engine is not covered by the motorcycle warranty, as it is not due to a manufacturing defect.
- If the motorcycle is parked and water level rises around the motorcycle, do not try to start the engine. The motorcycle should be inspected for water ingress before starting the engine. Inspections and repairs must be completed by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Storage

Preparation for Storage

To prepare the motorcycle for storage, do the following:

- Clean and dry the entire vehicle thoroughly.

⚠ WARNING

Gasoline is extremely flammable and can be explosive under certain conditions.

If parking inside a garage or other structure, be sure it is well ventilated and the motorcycle is not close to any source of flame or sparks. This includes any appliance with a pilot light.

Failure to follow the above advice may cause a fire resulting in damage to property, serious injury or death.

- Fill the fuel tank with the correct grade of unleaded fuel and add a suitable fuel stabilizer (if available), following the fuel stabilizer manufacturer's instructions.
- Remove one of the spark plugs from each cylinder and put several drops (0.17 fl oz (5 cc)) of engine oil into each cylinder. Cover the spark plug holes with a piece of cloth or rag. With the engine start/stop switch in the RUN position, push the starter button for a few seconds to coat the cylinder walls with oil. Reinstall the spark plugs, tightening to 9 lbf ft (12 Nm).
- Change the engine oil and filter (see page 176).
- Check and, if necessary, correct the tire pressures (see page 269).

- Set the motorcycle on a stand so that both wheels are raised off the ground. (If this cannot be done, put boards under the front and rear wheels to keep dampness away from the tires.)
- Spray rust inhibiting oil (there are numerous products on the market and your dealer will be able to offer you local advice) on all unpainted metal surfaces to prevent rusting. Prevent oil from getting on rubber parts, brake discs or in the brake calipers.
- Lubricate and, if necessary, adjust the drive chain (see page 186).
- Make sure the cooling system is filled with a 50% mixture of coolant (noting that D2053 OAT coolant, as supplied by Triumph, is premixed and requires no dilution) and distilled water solution (see page 179).
- Remove the battery, and store it where it will not be exposed to direct sunlight, moisture, or freezing temperatures. During storage it should be given a slow charge (one Ampere or less) about once every two weeks (see page 230).
- Store the motorcycle in a cool, dry area, away from sunlight, and with a minimum daily temperature variation.
- Put a suitable porous cover over the motorcycle to keep dust and dirt from collecting on it. Avoid using plastic or similar non-breathable, coated materials that restrict air flow and allow heat and moisture to accumulate.

Preparation after Storage

To prepare the motorcycle to be ridden after storage, do the following:

- Install the battery (if removed) (see page 231).
- If the motorcycle has been stored for more than four months, change the engine oil (see page 176).
- Check all the points listed in the Daily Safety Checks section.
- Before starting the engine, remove the spark plugs from each cylinder.
- Put the side stand down.
- Crank the engine on the starter motor several times until the low oil pressure warning light goes off.
- Reinstall the spark plugs, tightening to 9 lbf ft (12 Nm), and start the engine.
- Check and, if necessary, correct the tire pressures (see page 269).
- Check and, if necessary, adjust the drive chain tension (see page 187).
- Clean the entire vehicle thoroughly.
- Check the brakes for correct operation.
- Test ride the motorcycle at low speeds.

Table of Contents

Triumph Warranty Terms and Conditions - America and Canada only 256
Conditions and Exclusions - America and Canada only 257
Noise Control System Warranty 259
Tampering With The Noise Control System Prohibited 260
Emission Control System Warranty 261
California Emissions Control Warranty Statement 262
Manufacturer's Warranty Coverage 263
Owner's Warranty Responsibility 263
What is Covered by this Emission Warranty 265
What Is Not Covered By This Emission Warranty 266
Triumph Overseas 266
Caring for your Motorcycle 267

Triumph Warranty Terms and Conditions - America and Canada only

Thank you for choosing a Triumph motorcycle. This motorcycle is the product of Triumph's use of proven engineering, exhaustive testing, and continuous striving for superior reliability, safety, and performance.

This section of the Owner's Handbook includes details of the warranty and other useful information concerning your motorcycle.

Make sure that all your owner information is entered in the Triumph Motorcycle Service Handbook that is provided with the motorcycle.

Maintain maximum protection under warranty by making sure that your motorcycle is serviced in accordance with the recommendations of the scheduled maintenance chart in this Owner's Handbook.

If you should sell your motorcycle, make sure this Owner's Handbook or Quick Start Guide (where supplied with the motorcycle) together with all other relevant documents are passed to the new owner. Please advise the new owner that they can notify Triumph of the change of ownership by contacting their local Triumph dealer.

All new Triumph motorcycles are covered by a comprehensive unlimited mileage warranty, commencing from the date of first registration or the date of sale if the motorcycle remains unregistered. Refer to your motorcycle warranty registration certificate for details of the warranty period.

Within the warranty period, TRIUMPH MOTORCYCLES AMERICA LIMITED warrant the new Triumph motorcycle detailed in the Motorcycle Service Handbook to be free from any defect in materials used in the manufacture, and/or workmanship at the time of its manufacture.

Any part found to be defective during this period will be repaired or replaced at the discretion of TRIUMPH MOTORCYCLES AMERICA LIMITED by an authorized Triumph dealer.

Any part replaced under the warranty will be covered for the remaining period of the warranty.

Any parts replaced under warranty must be returned to TRIUMPH MOTORCYCLES AMERICA LIMITED by the dealer/distributor and will become the property of Triumph Motorcycles America Ltd.

Triumph may, at its discretion make any repairs or replacement of defective parts falling outside the warranty, but such work shall not be deemed to be any admission of liability.

Triumph will bear labor charges for work carried out under the warranty.

The warranty may be transferred to subsequent owners for the balance of the remaining warranty period.

Conditions and Exclusions - America and Canada only

- The motorcycle must not have been used for competition, misused[1], inadequately or incorrectly serviced or maintained.
- The motorcycle must have been serviced as detailed in the manufacturers service maintenance schedule, at the intervals specified in the Owner's Handbook and the service log completed accordingly.
- The motorcycle battery is warranted for 12 (twelve) months from the original date of purchase of the motorcycle. After this 12 (twelve) month period, the battery is excluded from the terms of this warranty. The battery supplied with the motorcycle must be provided with sufficient charge to replenish that lost by the operation of the starting mechanism and/or the use of electrical equipment while the engine is not running.

  Refer to the battery section of this handbook for details of required battery maintenance.

The warranty does not cover:

- Defects caused by incorrect adjustment, repair or modification not authorized by TRIUMPH MOTORCYCLES AMERICA LIMITED.

[1] Misuse includes any use not in accordance with the recommendations made in the 'how to ride the motorcycle' section of the Owner's Handbook and any use contrary to the warnings given in that same handbook. In addition, misuse will include, but not be limited to any use of the motorcycle which does not constitute normal use.

- Defects caused by the use of parts and accessories not authorized by TRIUMPH MOTORCYCLES AMERICA LIMITED.
- The cost of removal and replacement of parts and accessories, unless supplied as original equipment, or recommended by TRIUMPH MOTORCYCLES AMERICA LIMITED.
- The cost of transportation of the motorcycle to or from the authorized Triumph dealer, or expenses incurred while the motorcycle is unable to be ridden due to warranty repairs.
- Normal servicing and normal service items, such as spark plugs, oil and air filters are not covered by this warranty. Similarly, items which are expected to wear as part of their normal function such as tires, bulbs, chains, brake pads and clutch plates are also excluded, unless there is a manufacturing defect.
- Defects to the front fork oil seals as they are subject to wear and tear, including but not limited to damage caused by stone chips to the inner fork tubes.
- Seats, luggage, paint, chrome, polished aluminum items, or trim deterioration or fading caused by normal wear and tear, exposure, or lack of correct maintenance.
- Motorcycles used on a commercial basis.
- Defects which have not been reported to an authorized dealer within ten days of discovery of the defect.
- Motorcycles which have been inadequately lubricated, or for which the wrong fuel or lubricant has been used.
- Damages due to water submersion and/or foreign material ingestion.

Should a warranty claim become necessary, Triumph Motorcycles and its authorized dealers shall not be liable for loss of use, inconvenience, lost time, commercial losses or other incidental or consequential damages.

This warranty shall be governed by and construed in accordance with the laws of England and Wales, save that in the event of any material conflict or inconsistency between such application to this warranty of the laws of England and Wales and local statutory rights that would otherwise be applicable to Triumph customers (dealerships or consumers) purchasing Triumph products in another country, those local statutory rights shall take precedence.

The competent courts of England and Wales shall have primary authority to settle any questions, claims or disputes which may arise under or in connection with this warranty, save that to the extent that any such issue arising requires the consideration and interpretation of applicable local statutory rights applicable to a customer purchasing Triumph products in another country, the customer may seek to take proceedings in any competent court of that country.

Any statement, condition, representation, description, or warranty otherwise contained in any catalog, advertisement or other publication shall not be construed as enlarging, varying or overriding anything contained herein.

Triumph Motorcycles reserve the right to make alterations or improvements without notification to any model or motorcycle without obligation to do so to motorcycles already sold.

This warranty does not affect your statutory rights.

Noise Control System Warranty

NOTICE

This product should be checked for repair or replacement if the motorcycle noise has increased significantly through use, otherwise the owner may become subject to penalties under state and local ordinances.

The following warranty applies to the noise control system and is in addition to the general Triumph warranty and the emission control warranty.

Per 40 C.F.R. § 205.173-1, Triumph Motorcycles America Limited, warrants that this exhaust system, at the time of sale, meets all applicable U.S E.P.A. federal noise standards. This warranty extends to the first person who buys this exhaust system for purposes other than resale, and to all subsequent buyers. Warranty claims should be directed to an authorized Triumph Motorcycles America dealer.

Triumph Motorcycles America Limited warrants to the first, and each subsequent owner, that the vehicle was designed and built so as to conform, at the time of sale, with the regulations of the U.S. Environmental Protection Agency (as tested following F-76 Drive-By test procedure) and, at the time of manufacture, was free from defects in materials and workmanship which would cause the motorcycle not to meet the U.S. Environmental Protection Agency Standards. This noise control system warranty extends for a period of 1 calendar year or 3,730 miles (6,000 km) whichever occurs first from the date on which the motorcycle was delivered to the first retail purchaser or, in the case of a demonstration motorcycle or company motorcycle, the date on which the company placed the motorcycle in service prior to retail sale.

Tampering With The Noise Control System Prohibited

Owners are warned that the law prohibits:

(a) The removal or rendering inoperative by any person other than for purposes of maintenance, repair or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use and

(b) the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

Acts which are likely to constitute tampering include the following:

- Removal or tampering with the mufflers, baffles or header pipes or any other component which conducts exhaust gases.
- Removal of or puncturing of any part of the air intake system.
- Failure to carry out maintenance as prescribed in the owner's manual.

- Replacement of any parts of the exhaust or air intake system with parts other than those specified by Triumph Motorcycles America Limited.

The following items are not covered by the noise control system warranty:

- Failures which arise through misuse, alterations or accident damage.
- Replacing, removing, or modifications of any part of the noise control system (consisting of the exhaust system and air intake system) with parts not certified to be noise legal for street use.
- Triumph Motorcycles America Limited and its authorized dealers shall not be liable for loss of use, inconvenience, lost time, commercial losses or other incidental or consequential damages.
- Any motorcycle which has had the odometer recorded mileage changed so that the correct mileage of the motorcycle cannot be accurately determined.

Emission Control System Warranty

The following warranty applies to the emission control system and is in addition to the general Triumph warranty and the noise control system warranty.

Triumph Motorcycles America Limited warrants to the first, and each subsequent owner, that the vehicle was designed and built so as to conform, at the time of sale, with the regulations of the U.S. Environmental Protection Agency and the California Air Resources Board and, at the time of manufacture, was free from defects in materials and workmanship which would cause the motorcycle not to meet the U.S. Environmental Protection Agency or California Air Resources Board Standards. This emission control system warranty extends for a period of 5 calendar years or 18,641 miles whichever occurs first, from the date on which the motorcycle was delivered to the first retail purchaser or, in the case of a demonstration motorcycle or company motorcycle, the date on which the company placed the motorcycle in service prior to retail sale.

The following are not covered by the emission control system warranty:

- Failures which arise through misuse, alterations, accident damage or failure to carry out maintenance as described in the owner's manual.
- The replacement of any parts required in the maintenance of the emission control system.
- Triumph Motorcycles America Limited and its authorized dealers shall not be liable for loss of use, inconvenience, lost time, commercial losses or other incidental or consequential damages.
- Any motorcycle which has had the odometer recorded mileage changed so that the correct mileage of the motorcycle cannot be accurately determined.

California Emissions Control Warranty Statement

Your warranty rights and obligations

The California Air Resources Board and Triumph Motorcycles America Limited are pleased to explain the emission control system on your motorcycle. In California, new motor vehicles must be designed, built and equipped to meet the State's stringent anti-smog standards. Triumph Motorcycles America Limited must warrant the emission control system on your motorcycle for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your vehicle.

Your emission control system may include parts such as the fuel injection and the ignition systems. Also included may be hoses, connectors and other emission related assemblies.

Where a warrantable condition exists, Triumph Motorcycles America Limited will repair your motorcycle at no cost to you including diagnosis, parts and labor.

Manufacturer's Warranty Coverage

For a period of use of five years or 18,641 miles, whichever first occurs: If an emission related part on your motorcycle is defective, the parts will be repaired or replaced by Triumph Motorcycles America Limited. This is your emission control system DEFECTS WARRANTY.

Owner's Warranty Responsibility

As the motorcycle owner, you are responsible for the performance of the required maintenance listed in your owner's manual.

Triumph Motorcycles America Limited recommends that you retain all receipts covering maintenance on your motorcycle, but Triumph Motorcycles America Limited cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

You are responsible for presenting your motorcycle to a Triumph Motorcycles America Limited dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

As the motorcycle owner, you should also be aware that Triumph Motorcycles America Limited may deny you warranty coverage if your motorcycle or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, you should contact Triumph Motorcycles America Limited, Warranty Service Department, 1070 White Street SW, Suite B, Atlanta, GA 30310 (telephone 678 854 2010), or the California Air Resources Board at 4001 Iowa Avenue, Riverside, California 92507.

WARRANTY

Triumph Motorcycles America Limited warrants to the first, and each subsequent owner, that the vehicle was designed and built so as to conform, at the time of sale, with the regulations of the California Air Resources Board and, at the time of manufacture, was free from defects in materials and workmanship which would cause the motorcycle not to meet the California Air Resources Board Standards.

This warranty period starts the date the motorcycle is delivered to the first retail purchaser or, if the motorcycle is placed in service as a demonstrator or company motorcycle prior to sale at retail, the date it is first placed in service.

The emission control system of each new Triumph motorcycle was designed, built and tested using only genuine Triumph Motorcycle parts and with these parts the motorcycle is certified as being in conformity with California emission control regulations.

WE RECOMMEND THAT ONLY GENUINE TRIUMPH MOTORCYCLE PARTS BE USED FOR MAINTENANCE REPAIR OR REPLACEMENT OF THE EMISSION CONTROL SYSTEM. However, if you are willing to pay for it yourself, you can have replacement or repair of your motorcycle's emission control system performed by any qualified repair establishment or individual using non-genuine parts.

Remember: Use of replacement parts which are not equal in quality to genuine Triumph parts may impair the effectiveness of the emission control system or otherwise damage your motorcycle. If other than genuine Triumph parts are used for maintenance, replacement or repair of components affecting emission control, you should obtain written assurances that such non-Triumph parts are warranted by their manufacturer to be equal in quality to genuine Triumph Motorcycle parts in both performance and durability. The use of non-Triumph replacement parts does not invalidate the warranty, if any, on other components unless the non-Triumph parts cause damage to warranted parts. However, we recommend that you go only to any authorized Triumph Motorcycle dealer for repairs under warranty, that has factory-trained mechanics and genuine parts. However, in the case of an "emergency" (as defined below) where an authorized Triumph dealer is not reasonably available, you could have repairs performed at any available service establishment or by the owner, using any replacement part. A part not being available within 30 days, or a repair not being complete within 30 days constitutes an emergency. Triumph Motorcycles America Limited will reimburse the owner for such repairs, including diagnosis, only if it is established that the repairs are covered under this emission warranty. Triumph Motorcycles America Limited parts reimbursement, however, will not exceed our suggested retail price for all warranted parts replaced and our labor reimbursement will be limited to our recommended time allowances for emission system repairs at the geographically appropriate hourly labor rate.

To obtain reimbursement from Triumph Motorcycles America Limited for such emergency repairs, you must keep all failed parts and original receipts, marked "paid," so you can present them to an authorized Triumph dealer for their inspection. Triumph Motorcycles America Limited recommends that you bring your motorcycle to an authorized dealer for inspection to ensure that the emergency repairs were done properly.

What is Covered by this Emission Warranty

The emission control system warranty covers the following "warranted parts" only:

- Fuel injection/engine management equipment including oxygen sensors
- Intake manifold
- Air cleaner box
- Spark advance/retard system
- Spark plugs (first 10,000 miles)
- Ignition coils
- Charcoal canister
- Cap, fuel tank
- Fuel/vapor separator (fuel tank)
- Vapor valve
- Catalyst (including parts containing a catalyst)
- Rollover/vent/pressure control valves
- Secondary air system
- If used on the above systems: hoses, clamps, fittings, tubing, sealing gaskets and mounting hardware.

What Is Not Covered By This Emission Warranty

The emission control system warranty does not cover:

Malfunctions in any "warranted parts" caused by any of the following; abuse, misuse, modification, alteration, tampering, disconnection, or improper or inadequate maintenance.

Damage resulting from accident, acts of nature or other events beyond the control of Triumph Motorcycles America Limited.

The repair or replacement of "warranted parts" which are scheduled for replacement prior to 18,641 miles (such as spark plugs, which are scheduled for replacement at 10,000 miles) once these parts have been replaced at the first replacement interval as part of required maintenance services.

Repairs and services performed by anyone other than an authorized Triumph dealer (except in case of emergency). The California Air Resources Board defines an "emergency" as an authorized dealer not being reasonably available or the lack of availability of "warranted parts" within a reasonable time period not to exceed 30 days.

Loss of time, inconvenience, loss of use of the motorcycle, or commercial loss.

Repairs on any motorcycle of which odometer mileage has been changed so that mileage cannot be really determined.

Triumph Overseas

If you are traveling abroad and require assistance or advice from a Triumph dealer, contact the subsidiary or importer for the country which you are visiting.

Subsidiary offices are listed below.

For an up to date list of authorized Triumph dealers and importers, visit www.triumphmotorcycles.co.uk/dealers.

Subsidiary Offices

Benelux

Triumph Netherlands

Tel: +31 725 41 0311

Email: Benelux@Triumph.co.uk

Brazil

Triumph Motorcycles Brazil Ltda

Tel: +55 11 3010 1010

Email: sac.triumph@europ-assistance.com.br

China

British Triumph (Shanghai) Trading Co., Ltd.

Tel: +86 21 6140 9180

Email: aftersales.china@triumphmotorcycles.com

Denmark/Finland/Norway/Sweden

Triumph Motorcycles AB

Tel: +46 8 680 68 00

Fax: +46 8 680 07 85

France

Triumph S.A.

Tel: +33 1 64 62 3838

Fax: +33 1 64 80 5828

Germany/Austria

Triumph Motorrad Deutschland GmbH

Tel: +49 6003 829090

Fax: +49 6003 8290927

Italy

Triumph Motorcycles srl

Tel: +39 02 93 454525

Fax: +39 02 93 582575

Japan

Triumph Motorcycles Japan K.K.

Tel: +81 3 6453 9810

Fax: +81 3 6453 9811

Spain/Portugal

Triumph Motocicletas España, S.L

Tel: +34 91 637 7475

Fax: +34 91 636 1134

Thailand

Triumph Thailand

Tel: +66(0)20170333

Fax: +66(0)20170330

United Kingdom/Éire

Triumph Motorcycles Ltd

Tel: +44 1455 45 5012

Fax: +44 1455 45 2211

USA/Canada

Triumph Motorcycles (America) Ltd

Tel: +1 678 854 2010

Fax: +1 678 854 8740

Caring for your Motorcycle

Triumph Motorcycles have taken great care in the selection of materials, plating and painting techniques so as to provide its customers with a quality cosmetic appearance allied to durability. However, motorcycles are often used in hostile environmental conditions and in these circumstances it is essential that the motorcycle is washed, dried and lost lubricity replaced to prevent discoloration particularly of plated and unplated metallic surfaces. Your dealer can provide further information and advice if required. Ultimately the appearance of your motorcycle will very much depend on the care it receives.

For further information in regards to caring for your motorcycle, refer to the Cleaning and Storage section of this Owner's Handbook.

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Table of Contents

Speed Twin 1200 270
Speed Twin 1200 RS 275
Speed Twin 900 280
Bonneville T100 285
Bonneville T120 290
Bonneville T120 Black 295
Scrambler 900 300

Speed Twin 1200

Dimensions, Weights and Performance
A list of model specific dimensions, weights and performance figures is available from your authorized Triumph dealer, or on the Internet at www.triumphmotorcycles.co.uk.

Payload	Speed Twin 1200
Maximum payload (rider, passenger, luggage and accessories)	463 lb (210 kg)

Engine	Speed Twin 1200
Engine configuration	Liquid cooled, 8 valve, SOHC, 270° crank angle, parallel twin
Arrangement	Transverse in-line
Displacement	73.2 cu in (1200 cc)
Bore x stroke	3.84 x 3.15 in (97.6 x 80.0 mm)
Compression ratio	12.1:1
Cylinder numbering	Left to right
Cylinder sequence	Number 1 at left
Firing order	1-2
Starting system	Electric starter

Lubrication	Speed Twin 1200
Lubrication system	Wet sump
Engine Oil Capacities:	
Oil capacity (dry fill)	1 gallon (3.80 liters)
Oil capacity (wet fill including oil filter)	0.9 gallons (3.40 liters)
Oil capacity (wet fill excluding oil filter)	0.85 gallons (3.20 liters)

Cooling System	Speed Twin 1200
Coolant type	Triumph D2053 OAT
Coolant ratio	50/50 (premixed as supplied by Triumph)
Cooling system capacity	0.49 gallons (1.86 liters)
Thermostat opening temperature (nominal)	167°F +/- 35°F (75°C +/- 2°C)

Fuel System	Speed Twin 1200
Fuel injection system	Electronic, sequential
Injector type	Multi-hole, solenoid operated plate valve
Fuel pump type	Submerged, electric
Fuel pressure (nominal)	50.8 lb/in² (3.5 bar)

Fuel	Speed Twin 1200
Fuel type	Unleaded, 95 RON (CLC or AKI octane rating (R+M)/2 of 89 or higher)
Fuel tank capacity	3.75 gallons (14.2 liters)
Low fuel indicator light	0.8 gallons (3 liters) remaining

Ignition	Speed Twin 1200
Ignition system	Digital inductive
Electronic rev limiter	8,000 rpm
Spark plug type	NGK LMAR8A-9
Spark plug gap	0.04 in +0.0/-0.004 in (0.9 mm +0.0/-0.1 mm)

SPECIFICATIONS

Transmission	Speed Twin 1200
Transmission type	6 speed, constant mesh
Clutch type	Wet multi-plate
Final drive type	Chain
Number of links	102
Chain length (20 links)	12.56 in (319 mm)
Primary drive ratio	1.26:1 (93/74)
Final drive ratio	2.625:1 (42/16)
Gear ratios - 1st gear	3.50:1 (49/14)
Gear ratios - 2nd gear	2.50:1 (45/18)
Gear ratios - 3rd gear	1.85:1 (37/20)
Gear ratios - 4th gear	1.48:1 (37/25)
Gear ratios - 5th gear	1.30:1 (35/27)
Gear ratios - 6th gear	1.17:1 (34/29)

⚠ WARNING

Use the recommended tires ONLY in the combinations listed in the approved Tire Selector at www.triumphtechnicalinformation.com/tyres.

Do not mix tires from different manufacturers or mix different specification tires from the same manufacturers.

Using/mixing tires may affect the handling, stability, braking and traction control (if equipped) functions of the motorcycle.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

Approved Tires

A list of approved tires specific to these models is available from your authorized Triumph dealer, or on the Internet at www.triumphtechnicalinformation.com/tyres.

Tires	Speed Twin 1200
Tire Sizes:	
Front tire size	120/70 ZR17 58W
Rear tire size	160/60 ZR17 69W
Tire Pressures (Cold):	
Front tire pressure	36 lb/in² (2.48 bar)
Rear tire pressure	42 lb/in² (2.90 bar)

Electrical Equipment	Speed Twin 1200
Battery type	YTZ10S
Battery rating	12 Volt, 8.6 Ah
Alternator rating (1,000 rpm)	14 Volt, 19 Amps (minimum) at 1,000 rpm
Alternator rating (6,000 rpm)	14 Volt, 31 Amps (minimum) at 6,000 rpm
Headlight	LED
Rear/brake light	LED
Turn signal lights	LED
License plate light	LED

SPECIFICATIONS

Torque Figures	Speed Twin 1200
Battery terminal fasteners	40 lbf in (4.5 Nm)
Clutch cable adjuster lock nuts	27 lbf in (3 Nm)
Drive chain adjuster bolt lock nuts	15 lbf ft (20 Nm)
Drive chain guard front fastener	71 lbf in (8 Nm)
Drive chain guard rear fastener	53 lbf in (6 Nm)
Front brake fluid reservoir cap retaining screws	6.2 lbf in (0.7 Nm)
Front sprocket cover to crankcase fasteners	80 lbf in (9 Nm)
Headlight pivot bolt lock nut	18 lbf ft (25 Nm)
Heel guard fasteners	53 lbf in (6 Nm)
Oil drain plug	18 lbf ft (25 Nm)
Oil filter	89 lbf in (10 Nm)
Rear brake fluid reservoir cap retaining screws	9 lbf in (1 Nm)
Rear suspension spring preload adjuster grub screw	13.3 lbf in (1.5 Nm)
Rear wheel spindle lock nut	81 lbf ft (110 Nm)
Spark plugs	9 lbf ft (12 Nm)

Fluids and Lubricants	Speed Twin 1200
Bearings and pivots	Triumph Performance RG2 grease (NLGI 2)
Brake fluid	Triumph Performance DOT 4 brake fluid
Coolant	Triumph D2053 OAT coolant (premixed)
Drive chain	Triumph Performance chain lubricant
Engine oil	Fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended

Speed Twin 1200 RS

Dimensions, Weights and Performance
A list of model specific dimensions, weights and performance figures is available from your authorized Triumph dealer, or on the Internet at www.triumphmotorcycles.co.uk.

Payload	Speed Twin 1200 RS
Maximum payload (rider, passenger, luggage and accessories)	463 lb (210 kg)

Engine	Speed Twin 1200 RS
Engine configuration	Liquid cooled, 8 valve, SOHC, 270° crank angle, parallel twin
Arrangement	Transverse in-line
Displacement	73.2 cu in (1200 cc)
Bore x stroke	3.84 x 3.15 in (97.6 x 80.0 mm)
Compression ratio	12.1:1
Cylinder numbering	Left to right
Cylinder sequence	Number 1 at left
Firing order	1-2
Starting system	Electric starter

Lubrication	Speed Twin 1200 RS
Lubrication system	Wet sump
Engine Oil Capacities:	
Oil capacity (dry fill)	1 gallon (3.80 liters)
Oil capacity (wet fill including oil filter)	0.9 gallons (3.40 liters)
Oil capacity (wet fill excluding oil filter)	0.85 gallons (3.20 liters)

SPECIFICATIONS

Cooling System	Speed Twin 1200 RS
Coolant type	Triumph D2053 OAT
Coolant ratio	50/50 (premixed as supplied by Triumph)
Cooling system capacity	0.49 gallons (1.86 liters)
Thermostat opening temperature (nominal)	167°F +/- 35°F (75°C +/- 2°C)

Fuel System	Speed Twin 1200 RS
Fuel injection system	Electronic, sequential
Injector type	Multi-hole, solenoid operated plate valve
Fuel pump type	Submerged, electric
Fuel pressure (nominal)	50.8 lb/in² (3.5 bar)

Fuel	Speed Twin 1200 RS
Fuel type	Unleaded, 95 RON (CLC or AKI octane rating (R+M)/2 of 89 or higher)
Fuel tank capacity	3.75 gallons (14.2 liters)
Low fuel indicator light	0.8 gallons (3 liters) remaining

Ignition	Speed Twin 1200 RS
Ignition system	Digital inductive
Electronic rev limiter	8,000 rpm
Spark plug type	NGK LMAR8A-9
Spark plug gap	0.04 in +0.0/-0.004 in (0.9 mm +0.0/-0.1 mm)

Transmission	Speed Twin 1200 RS
Transmission type	6 speed, constant mesh
Clutch type	Wet multi-plate
Final drive type	Chain
Number of links	102
Chain length (20 links)	12.56 in (319 mm)
Primary drive ratio	1.26:1 (93/74)
Final drive ratio	2.625:1 (42/16)
Gear ratios - 1st gear	3.50:1 (49/14)
Gear ratios - 2nd gear	2.50:1 (45/18)
Gear ratios - 3rd gear	1.85:1 (37/20)
Gear ratios - 4th gear	1.48:1 (37/25)
Gear ratios - 5th gear	1.30:1 (35/27)
Gear ratios - 6th gear	1.17:1 (34/29)

⚠ WARNING

Use the recommended tires ONLY in the combinations listed in the approved Tire Selector at www.triumphtechnicalinformation.com/tyres.

Do not mix tires from different manufacturers or mix different specification tires from the same manufacturers.

Using/mixing tires may affect the handling, stability, braking and traction control (if equipped) functions of the motorcycle.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

Approved Tires

A list of approved tires specific to these models is available from your authorized Triumph dealer, or on the Internet at www.triumphtechnicalinformation.com/tyres.

SPECIFICATIONS

Tires	Speed Twin 1200 RS
Tire Sizes:	
Front tire size	120/70 ZR17 58W
Rear tire size	160/60 ZR17 69W
Tire Pressures (Cold):	
Front tire pressure	36 lb/in² (2.48 bar)
Rear tire pressure	42 lb/in² (2.90 bar)

Electrical Equipment	Speed Twin 1200 RS
Battery type	YTZ10S
Battery rating	12 Volt, 8.6 Ah
Alternator rating (1,000 rpm)	14 Volt, 19 Amps (minimum) at 1,000 rpm
Alternator rating (6,000 rpm)	14 Volt, 31 Amps (minimum) at 6,000 rpm
Headlight	LED
Rear/brake light	LED
Turn signal lights	LED
License plate light	LED

Torque Figures	Speed Twin 1200 RS
Battery terminal fasteners	40 lbf in (4.5 Nm)
Clutch cable adjuster lock nuts	27 lbf in (3 Nm)
Drive chain adjuster bolt lock nuts	15 lbf ft (20 Nm)
Drive chain guard front fastener	71 lbf in (8 Nm)
Drive chain guard rear fastener	53 lbf in (6 Nm)
Front brake fluid reservoir cap retaining screws	6.2 lbf in (0.7 Nm)
Front sprocket cover to crankcase fasteners	80 lbf in (9 Nm)
Headlight pivot bolt lock nut	18 lbf ft (25 Nm)
Heel guard fasteners	53 lbf in (6 Nm)
Oil drain plug	18 lbf ft (25 Nm)
Oil filter	89 lbf in (10 Nm)
Rear brake fluid reservoir cap retaining screws	9 lbf in (1 Nm)
Rear suspension spring preload adjuster grub screw	4.4 lbf in (0.5 Nm)
Rear wheel spindle lock nut	81 lbf ft (110 Nm)
Spark plugs	9 lbf ft (12 Nm)

Fluids and Lubricants	Speed Twin 1200 RS
Bearings and pivots	Triumph Performance RG2 grease (NLGI 2)
Brake fluid	Triumph Performance DOT 4 brake fluid
Coolant	Triumph D2053 OAT coolant (premixed)
Drive chain	Triumph Performance chain lubricant
Engine oil	Fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended

Speed Twin 900

Dimensions, Weights and Performance
A list of model specific dimensions, weights and performance figures is available from your authorized Triumph dealer, or on the Internet at www.triumphmotorcycles.co.uk.

Payload	Speed Twin 900
Maximum payload (rider, passenger, luggage and accessories)	463 lb (210 kg)

Engine	Speed Twin 900
Engine configuration	Liquid cooled, 8 valve, SOHC, 270° crank angle, parallel twin
Arrangement	Transverse in-line
Displacement	54.9 cu in (900 cc)
Bore x stroke	3.33 x 3.15 in (84.6 x 80.0 mm)
Compression ratio	11.0:1
Cylinder numbering	Left to right
Cylinder sequence	Number 1 at left
Firing order	1-2
Starting system	Electric starter

Lubrication	Speed Twin 900
Lubrication system	Wet sump
Engine Oil Capacities:	
Oil capacity (dry fill)	1 gallon (3.80 liters)
Oil capacity (wet fill including oil filter)	0.9 gallons (3.40 liters)
Oil capacity (wet fill excluding oil filter)	0.85 gallons (3.20 liters)

Cooling System	Speed Twin 900
Coolant type	Triumph D2053 OAT
Coolant ratio	50/50 (premixed as supplied by Triumph)
Cooling system capacity	0.49 gallons (1.86 liters)
Thermostat opening temperature (nominal)	167°F +/- 35°F (75°C +/- 2°C)

Fuel System	Speed Twin 900
Fuel injection system	Electronic, sequential
Injector type	Multi-hole, solenoid operated plate valve
Fuel pump type	Submerged, electric
Fuel pressure (nominal)	50.8 lb/in² (3.5 bar)

Fuel	Speed Twin 900
Fuel type	Unleaded, 91 RON (CLC or AKI octane rating (R+M)/2 of 87 or higher)
Fuel tank capacity	3.17 gallons (12.0 liters)
Low fuel indicator light	0.63 gallons (2.4 liters) remaining

Ignition	Speed Twin 900
Ignition system	Digital inductive
Electronic rev limiter	7,500 rpm
Spark plug type	NGK LMAR8A-9
Spark plug gap	0.04 in +0.0/-0.004 in (0.9 mm +0.0/-0.1 mm)

SPECIFICATIONS

Transmission	Speed Twin 900
Transmission type	5 speed, constant mesh
Clutch type	Wet multi-plate
Final drive type	Chain
Number of links	102
Chain length (20 links)	12.56 in (319 mm)
Primary drive ratio	1.26:1 (93/74)
Final drive ratio	2.41:1 (41/17)
Gear ratios - 1st gear	3.50:1 (49/14)
Gear ratios - 2nd gear	2.50:1 (45/18)
Gear ratios - 3rd gear	1.85:1 (37/20)
Gear ratios - 4th gear	1.48:1 (37/25)
Gear ratios - 5th gear	1.30:1 (35/27)

⚠ WARNING

Use the recommended tires ONLY in the combinations listed in the approved Tire Selector at www.triumphtechnicalinformation.com/tyres.

Do not mix tires from different manufacturers or mix different specification tires from the same manufacturers.

Using/mixing tires may affect the handling, stability, braking and traction control (if equipped) functions of the motorcycle.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

Approved Tires

A list of approved tires specific to these models is available from your authorized Triumph dealer, or on the Internet at www.triumphtechnicalinformation.com/tyres.

Tires	Speed Twin 900
Tire Sizes:	
Front tire size	100/90-18 56H
Rear tire size	150/70 R17 69H
Tire Pressures (Cold):	
Front tire pressure	32 lb/in² (2.21 bar)
Rear tire pressure	36 lb/in² (2.48 bar)

Electrical Equipment	Speed Twin 900
Battery type	YTX12-BS
Battery rating	12 Volt, 10 Ah
Alternator rating (1,000 rpm)	14 Volt, 25 Amps (minimum) at 1,000 rpm
Alternator rating (3,000 rpm)	14 Volt, 46.5 Amps (maximum) at 3,000 rpm
Headlight	LED
Rear/brake light	LED
Turn signal lights	LED
License plate light	LED

SPECIFICATIONS

Torque Figures	Speed Twin 900
Battery terminal fasteners	40 lbf in (4.5 Nm)
Clutch cable adjuster lock nuts	27 lbf in (3 Nm)
Drive chain adjuster bolt lock nuts	15 lbf ft (20 Nm)
Drive chain guard front fastener	71 lbf in (8 Nm)
Drive chain guard rear fastener	71 lbf in (8 Nm)
Engine ECM bracket fasteners	71 lbf in (8 Nm)
Front brake fluid reservoir cap retaining screws	13 lbf in (1.5 Nm)
Headlight pivot bolt lock nut	18 lbf ft (25 Nm)
Mirror fasteners	13 lbf ft (17 Nm)
Oil drain plug	18 lbf ft (25 Nm)
Oil filter	89 lbf in (10 Nm)
Rear brake fluid reservoir cap retaining screws	9 lbf in (1 Nm)
Rear suspension spring preload adjuster grub screw	13.3 lbf in (1.5 Nm)
Rear wheel spindle lock nut	81 lbf ft (110 Nm)
Spark plugs	9 lbf ft (12 Nm)

Fluids and Lubricants	Speed Twin 900
Bearings and pivots	Triumph Performance RG2 grease (NLGI 2)
Brake fluid	Triumph Performance DOT 4 brake fluid
Coolant	Triumph D2053 OAT coolant (premixed)
Drive chain	Triumph Performance chain lubricant
Engine oil	Fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended

Bonneville T100

Dimensions, Weights and Performance
A list of model specific dimensions, weights and performance figures is available from your authorized Triumph dealer, or on the Internet at www.triumphmotorcycles.co.uk.

Payload	Bonneville T100
Maximum payload (rider, passenger, luggage and accessories)	463 lb (210 kg)

Engine	Bonneville T100
Engine configuration	Liquid cooled, 8 valve, SOHC, 270° crank angle, parallel twin
Arrangement	Transverse in-line
Displacement	54.9 cu in (900 cc)
Bore x stroke	3.33 x 3.15 in (84.6 x 80.0 mm)
Compression ratio	11.0:1
Cylinder numbering	Left to right
Cylinder sequence	Number 1 at left
Firing order	1-2
Starting system	Electric starter

Lubrication	Bonneville T100
Lubrication system	Wet sump
Engine Oil Capacities:	
Oil capacity (dry fill)	1 gallon (3.80 liters)
Oil capacity (wet fill including oil filter)	0.9 gallons (3.40 liters)
Oil capacity (wet fill excluding oil filter)	0.85 gallons (3.20 liters)

SPECIFICATIONS

Cooling System	Bonneville T100
Coolant type	Triumph D2053 OAT
Coolant ratio	50/50 (premixed as supplied by Triumph)
Cooling system capacity	0.49 gallons (1.86 liters)
Thermostat opening temperature (nominal)	167°F (75°C) +/- 4°F (2°C)

Fuel System	Bonneville T100
Fuel injection system	Electronic, sequential
Injector type	Multi-hole, solenoid operated plate valve
Fuel pump type	Submerged, electric
Fuel pressure (nominal)	50.8 lb/in² (3.5 bar)

Fuel	Bonneville T100
Fuel type	Unleaded, 91 RON (CLC or AKI octane rating (R+M)/2 of 87 or higher)
Fuel tank capacity	3.83 gallons (14.5 liters)
Low fuel indicator light	0.58 gallons (2.2 liters) remaining

Ignition	Bonneville T100
Ignition system	Digital inductive
Electronic rev limiter	7,500 rpm
Spark plug type	NGK LMAR8A-9
Spark plug gap	0.04 in +0.0/-0.004 in (0.9 mm +0.0/-0.1 mm)

Transmission	Bonneville T100
Transmission type	5 speed, constant mesh
Clutch type	Wet multi-plate
Final drive type	Chain
Number of links	102
Chain length (20 links)	12.56 in (319 mm)
Primary drive ratio	1.26:1 (93/74)
Final drive ratio	2.41:1 (41/17)
Gear ratios - 1st gear	3.50:1 (49/14)
Gear ratios - 2nd gear	2.50:1 (45/18)
Gear ratios - 3rd gear	1.85:1 (37/20)
Gear ratios - 4th gear	1.48:1 (37/25)
Gear ratios - 5th gear	1.30:1 (35/27)

⚠ WARNING

Use the recommended tires ONLY in the combinations listed in the approved Tire Selector at www.triumphtechnicalinformation.com/tyres.

Do not mix tires from different manufacturers or mix different specification tires from the same manufacturers.

Using/mixing tires may affect the handling, stability, braking and traction control (if equipped) functions of the motorcycle.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

Approved Tires

A list of approved tires specific to these models is available from your authorized Triumph dealer, or on the Internet at www.triumphtechnicalinformation.com/tyres.

SPECIFICATIONS

Tires	Bonneville T100
Tire Sizes:	
Front tire size	100/90-18 56H
Rear tire size	150/70R17 69H
Tire Pressures (Cold):	
Front tire pressure	32 lb/in² (2.21 bar)
Rear tire pressure	36 lb/in² (2.48 bar)

Electrical Equipment	Bonneville T100
Battery type	YTX12-BS
Battery rating	12 Volt, 10 Ah
Alternator rating (1,000 rpm)	14 Volt, 25 Amps (minimum) at 1,000 rpm
Alternator rating (3,000 rpm)	14 Volt, 46.5 Amps (maximum) at 3,000 rpm
Headlight	LED
Rear/brake light	LED
Turn signal lights	12 Volt, 10 Watt
License plate light	LED

Torque Figures	Bonneville T100
Battery terminal fasteners	40 lbf in (4.5 Nm)
Clutch cable adjuster lock nuts	27 lbf in (3 Nm)
Drive chain adjuster bolt lock nuts	15 lbf ft (20 Nm)
Drive chain guard front fastener	80 lbf in (9 Nm)
Drive chain guard rear fastener	80 lbf in (9 Nm)
Engine ECM bracket fasteners	89 lbf in (10 Nm)
Front brake fluid reservoir cap retaining screws	9 lbf in (1 Nm)
Headlight mounting bolts	89 lbf in (10 Nm)
Mirror fasteners	15 lbf ft (20 Nm)
Oil drain plug	18 lbf ft (25 Nm)
Oil filter	89 lbf in (10 Nm)
Rear brake fluid reservoir cap retaining screws	9 lbf in (1 Nm)
Rear wheel spindle lock nut	81 lbf ft (110 Nm)
Spark plugs	9 lbf ft (12 Nm)

Fluids and Lubricants	Bonneville T100
Bearings and pivots	Triumph Performance RG2 grease (NLGI 2)
Brake fluid	Triumph Performance DOT 4 brake fluid
Coolant	Triumph D2053 OAT coolant (premixed)
Drive chain	Triumph Performance chain lubricant
Engine oil	Fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended

Bonneville T120

Dimensions, Weights and Performance
A list of model specific dimensions, weights and performance figures is available from your authorized Triumph dealer, or on the Internet at www.triumphmotorcycles.co.uk.

Payload	Bonneville T120
Maximum payload (rider, passenger, luggage and accessories)	463 lb (210 kg)

Engine	Bonneville T120
Engine configuration	Liquid cooled, 8 valve, SOHC, 270° crank angle, parallel twin
Arrangement	Transverse in-line
Displacement	73.2 cu in (1200 cc)
Bore x stroke	3.84 x 3.15 in (97.6 x 80.0 mm)
Compression ratio	10.0:1
Cylinder numbering	Left to right
Cylinder sequence	Number 1 at left
Firing order	1-2
Starting system	Electric starter

Lubrication	Bonneville T120
Lubrication system	Wet sump
Engine Oil Capacities:	
Oil capacity (dry fill)	1 gallon (3.80 liters)
Oil capacity (wet fill including oil filter)	0.9 gallons (3.40 liters)
Oil capacity (wet fill excluding oil filter)	0.85 gallons (3.20 liters)

Cooling System	Bonneville T120
Coolant type	Triumph D2053 OAT
Coolant ratio	50/50 (premixed as supplied by Triumph)
Cooling system capacity	0.49 gallons (1.86 liters)
Thermostat opening temperature (nominal)	167°F (75°C) +/- 4°F (2°C)

Fuel System	Bonneville T120
Fuel injection system	Electronic, sequential
Injector type	Multi-hole, solenoid operated plate valve
Fuel pump type	Submerged, electric
Fuel pressure (nominal)	50.8 lb/in² (3.5 bar)

Fuel	Bonneville T120
Fuel type	Unleaded, 91 RON (CLC or AKI octane rating (R+M)/2 of 87 or higher)
Fuel tank capacity	3.83 gallons (14.5 liters)
Low fuel indicator light	0.66 gallons (2.5 liters) remaining

Ignition	Bonneville T120
Ignition system	Digital inductive
Electronic rev limiter	7,000 rpm
Spark plug type	NGK LMAR8A-9
Spark plug gap	0.04 in +0.0/-0.004 in (0.9 mm +0.0/-0.1 mm)

Transmission	Bonneville T120
Transmission type	6 speed, constant mesh
Clutch type	Wet multi-plate
Final drive type	Chain
Number of links	102
Chain length (20 links)	12.56 in (319 mm)
Primary drive ratio	1.26:1 (93/74)
Final drive ratio	2.18:1 (37/17)
Gear ratios - 1st gear	3.50:1 (49/14)
Gear ratios - 2nd gear	2.50:1 (45/18)
Gear ratios - 3rd gear	1.85:1 (37/20)
Gear ratios - 4th gear	1.48:1 (37/25)
Gear ratios - 5th gear	1.30:1 (35/27)
Gear ratios - 6th gear	1.17:1 (34/29)

⚠ WARNING

Use the recommended tires ONLY in the combinations listed in the approved Tire Selector at www.triumphtechnicalinformation.com/tyres.

Do not mix tires from different manufacturers or mix different specification tires from the same manufacturers.

Using/mixing tires may affect the handling, stability, braking and traction control (if equipped) functions of the motorcycle.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

Approved Tires

A list of approved tires specific to these models is available from your authorized Triumph dealer, or on the Internet at www.triumphtechnicalinformation.com/tyres.

Tires	Bonneville T120
Tire Sizes:	
Front tire size	100/90-18 56H
Rear tire size	150/70R17 69H
Tire Pressures (Cold):	
Front tire pressure	32 lb/in² (2.21 bar)
Rear tire pressure	36 lb/in² (2.48 bar)

Electrical Equipment	Bonneville T120
Battery type	YTX12-BS
Battery rating	12 Volt, 10 Ah
Alternator rating (1,000 rpm)	14 Volt, 25 Amps (minimum) at 1,000 rpm
Alternator rating (3,000 rpm)	14 Volt, 46.5 Amps (maximum) at 3,000 rpm
Headlight	LED
Rear/brake light	LED
Turn signal lights	12 Volt, 10 Watt
License plate light	LED

SPECIFICATIONS

Torque Figures	Bonneville T120
Battery terminal fasteners	40 lbf in (4.5 Nm)
Clutch cable adjuster lock nuts	27 lbf in (3 Nm)
Drive chain adjuster bolt lock nuts	15 lbf ft (20 Nm)
Drive chain guard front fastener	80 lbf in (9 Nm)
Drive chain guard rear fastener	80 lbf in (9 Nm)
Engine ECM bracket fasteners	89 lbf in (10 Nm)
Front brake fluid reservoir cap retaining screws	9 lbf in (1 Nm)
Headlight mounting bolts	89 lbf in (10 Nm)
Mirror fasteners	15 lbf ft (20 Nm)
Oil drain plug	18 lbf ft (25 Nm)
Oil filter	89 lbf in (10 Nm)
Rear brake fluid reservoir cap retaining screws	9 lbf in (1 Nm)
Rear wheel spindle lock nut	81 lbf ft (110 Nm)
Spark plugs	9 lbf ft (12 Nm)

Fluids and Lubricants	Bonneville T120
Bearings and pivots	Triumph Performance RG2 grease (NLGI 2)
Brake fluid	Triumph Performance DOT 4 brake fluid
Coolant	Triumph D2053 OAT coolant (premixed)
Drive chain	Triumph Performance chain lubricant
Engine oil	Fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended

Bonneville T120 Black

Dimensions, Weights and Performance
A list of model specific dimensions, weights and performance figures is available from your authorized Triumph dealer, or on the Internet at www.triumphmotorcycles.co.uk.

Payload	Bonneville T120 Black
Maximum payload (rider, passenger, luggage and accessories)	463 lb (210 kg)

Engine	Bonneville T120 Black
Engine configuration	Liquid cooled, 8 valve, SOHC, 270° crank angle, parallel twin
Arrangement	Transverse in-line
Displacement	73.2 cu in (1200 cc)
Bore x stroke	3.84 x 3.15 in (97.6 x 80.0 mm)
Compression ratio	10.0:1
Cylinder numbering	Left to right
Cylinder sequence	Number 1 at left
Firing order	1-2
Starting system	Electric starter

Lubrication	Bonneville T120 Black
Lubrication system	Wet sump
Engine Oil Capacities:	
Oil capacity (dry fill)	1 gallon (3.80 liters)
Oil capacity (wet fill including oil filter)	0.9 gallons (3.40 liters)
Oil capacity (wet fill excluding oil filter)	0.85 gallons (3.20 liters)

SPECIFICATIONS

Cooling System	Bonneville T120 Black
Coolant type	Triumph D2053 OAT
Coolant ratio	50/50 (premixed as supplied by Triumph)
Cooling system capacity	0.49 gallons (1.86 liters)
Thermostat opening temperature (nominal)	167°F (75°C) +/- 4°F (2°C)

Fuel System	Bonneville T120 Black
Fuel injection system	Electronic, sequential
Injector type	Multi-hole, solenoid operated plate valve
Fuel pump type	Submerged, electric
Fuel pressure (nominal)	50.8 lb/in² (3.5 bar)

Fuel	Bonneville T120 Black
Fuel type	Unleaded, 91 RON (CLC or AKI octane rating (R+M)/2 of 87 or higher)
Fuel tank capacity	3.83 gallons (14.5 liters)
Low fuel indicator light	0.66 gallons (2.5 liters) remaining

Ignition	Bonneville T120 Black
Ignition system	Digital inductive
Electronic rev limiter	7,000 rpm
Spark plug type	NGK LMAR8A-9
Spark plug gap	0.04 in +0.0/-0.004 in (0.9 mm +0.0/-0.1 mm)

Transmission	Bonneville T120 Black
Transmission type	6 speed, constant mesh
Clutch type	Wet multi-plate
Final drive type	Chain
Number of links	102
Chain length (20 links)	12.56 in (319 mm)
Primary drive ratio	1.26:1 (93/74)
Final drive ratio	2.18:1 (37/17)
Gear ratios - 1st gear	3.50:1 (49/14)
Gear ratios - 2nd gear	2.50:1 (45/18)
Gear ratios - 3rd gear	1.85:1 (37/20)
Gear ratios - 4th gear	1.48:1 (37/25)
Gear ratios - 5th gear	1.30:1 (35/27)
Gear ratios - 6th gear	1.17:1 (34/29)

⚠ WARNING

Use the recommended tires ONLY in the combinations listed in the approved Tire Selector at www.triumphtechnicalinformation.com/tyres.

Do not mix tires from different manufacturers or mix different specification tires from the same manufacturers.

Using/mixing tires may affect the handling, stability, braking and traction control (if equipped) functions of the motorcycle.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

Approved Tires

A list of approved tires specific to these models is available from your authorized Triumph dealer, or on the Internet at www.triumphtechnicalinformation.com/tyres.

SPECIFICATIONS

Tires	Bonneville T120 Black
Tire Sizes:	
Front tire size	100/90-18 56H
Rear tire size	150/70R17 69H
Tire Pressures (Cold):	
Front tire pressure	32 lb/in² (2.21 bar)
Rear tire pressure	36 lb/in² (2.48 bar)

Electrical Equipment	Bonneville T120 Black
Battery type	YTX12-BS
Battery rating	12 Volt, 10 Ah
Alternator rating (1,000 rpm)	14 Volt, 25 Amps (minimum) at 1,000 rpm
Alternator rating (3,000 rpm)	14 Volt, 46.5 Amps (maximum) at 3,000 rpm
Headlight	LED
Rear/brake light	LED
Turn signal lights	12 Volt, 10 Watt
License plate light	LED

Torque Figures	Bonneville T120 Black
Battery terminal fasteners	40 lbf in (4.5 Nm)
Clutch cable adjuster lock nuts	27 lbf in (3 Nm)
Drive chain adjuster bolt lock nuts	15 lbf ft (20 Nm)
Drive chain guard front fastener	80 lbf in (9 Nm)
Drive chain guard rear fastener	80 lbf in (9 Nm)
Engine ECM bracket fasteners	89 lbf in (10 Nm)
Front brake fluid reservoir cap retaining screws	9 lbf in (1 Nm)
Headlight mounting bolts	89 lbf in (10 Nm)
Mirror fasteners	15 lbf ft (20 Nm)
Oil drain plug	18 lbf ft (25 Nm)
Oil filter	89 lbf in (10 Nm)
Rear brake fluid reservoir cap retaining screws	9 lbf in (1 Nm)
Rear wheel spindle lock nut	81 lbf ft (110 Nm)
Spark plugs	9 lbf ft (12 Nm)

Fluids and Lubricants	Bonneville T120 Black
Bearings and pivots	Triumph Performance RG2 grease (NLGI 2)
Brake fluid	Triumph Performance DOT 4 brake fluid
Coolant	Triumph D2053 OAT coolant (premixed)
Drive chain	Triumph Performance chain lubricant
Engine oil	Fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended

SPECIFICATIONS

Scrambler 900

Dimensions, Weights and Performance
A list of model specific dimensions, weights and performance figures is available from your authorized Triumph dealer, or on the Internet at www.triumphmotorcycles.co.uk.

Payload	Scrambler 900
Maximum payload (rider, passenger, luggage and accessories)	463 lb (210 kg)

Engine	Scrambler 900
Engine configuration	Liquid cooled, 8 valve, SOHC, 270° crank angle, parallel twin
Arrangement	Transverse in-line
Displacement	54.9 cu in (900 cc)
Bore x stroke	3.33 x 3.15 in (84.6 x 80.0 mm)
Compression ratio	11.0:1
Cylinder numbering	Left to right
Cylinder sequence	Number 1 at left
Firing order	1-2
Starting system	Electric starter

Lubrication	Scrambler 900
Lubrication system	Wet sump
Engine Oil Capacities:	
Oil capacity (dry fill)	1 gallon (3.80 liters)
Oil capacity (wet fill including oil filter)	0.9 gallons (3.40 liters)
Oil capacity (wet fill excluding oil filter)	0.85 gallons (3.20 liters)

Cooling System	Scrambler 900
Coolant type	Triumph D2053 OAT
Coolant ratio	50/50 (premixed as supplied by Triumph)
Cooling system capacity	0.4 gallons (1.52 liters)
Thermostat opening temperature (nominal)	167°F +/- 4°F (75°C +/- 2°C)

Fuel System	Scrambler 900
Fuel injection system	Electronic, sequential
Injector type	Multi-hole, solenoid operated plate valve
Fuel pump type	Submerged, electric
Fuel pressure (nominal)	50.8 lb/in² (3.5 bar)

Fuel	Scrambler 900
Fuel type	Unleaded, 91 RON (CLC or AKI octane rating (R+M)/2 of 87 or higher)
Fuel tank capacity	3.17 gallons (12.0 liters)
Low fuel indicator light	0.63 gallons (2.4 liters) remaining

Ignition	Scrambler 900
Ignition system	Digital inductive
Electronic rev limiter	7,500 rpm
Spark plug type	NGK LMAR8A-9
Spark plug gap	0.04 in +0.0/-0.004 in (0.9 mm +0.0/-0.1 mm)

SPECIFICATIONS

Transmission	Scrambler 900
Transmission type	5 speed, constant mesh
Clutch type	Wet multi-plate
Final drive type	Chain
Number of links	102
Chain length (20 links)	12.56 in (319 mm)
Primary drive ratio	1.26:1 (93/74)
Final drive ratio	2.41:1 (41/17)
Gear ratios - 1st gear	3.50:1 (49/14)
Gear ratios - 2nd gear	2.50:1 (45/18)
Gear ratios - 3rd gear	1.85:1 (37/20)
Gear ratios - 4th gear	1.48:1 (37/25)
Gear ratios - 5th gear	1.30:1 (35/27)

⚠ WARNING

Use the recommended tires ONLY in the combinations listed in the approved Tire Selector at www.triumphtechnicalinformation.com/tyres.

Do not mix tires from different manufacturers or mix different specification tires from the same manufacturers.

Using/mixing tires may affect the handling, stability, braking and traction control (if equipped) functions of the motorcycle.

Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

Approved Tires

A list of approved tires specific to these models is available from your authorized Triumph dealer, or on the Internet at www.triumphtechnicalinformation.com/tyres.

Tires	Scrambler 900
Tire Sizes:	
Front tire size	100/90-19 57H
Rear tire size	150/70 R17 69V
Tire Pressures (Cold):	
Front tire pressure	36 lb/in² (2.48 bar)
Rear tire pressure	42 lb/in² (2.90 bar)

Electrical Equipment	Scrambler 900
Battery type	YTX12-BS
Battery rating	12 Volt, 10 Ah
Alternator rating (1,000 rpm)	14 Volt, 25 Amps (minimum) at 1,000 rpm
Alternator rating (3,000 rpm)	14 Volt, 46.5 Amps (maximum) at 3,000 rpm
Headlight	LED
Rear/brake light	LED
Turn signal lights	LED
License plate light	LED

SPECIFICATIONS

Torque Figures	Scrambler 900
Battery terminal fasteners	40 lbf in (4.5 Nm)
Clutch cable adjuster lock nuts	27 lbf in (3 Nm)
Drive chain adjuster bolt lock nuts	15 lbf ft (20 Nm)
Drive chain guard front fastener	71 lbf in (8 Nm)
Drive chain guard rear fastener	71 lbf in (8 Nm)
Engine ECM bracket fasteners	71 lbf in (8 Nm)
Front brake fluid reservoir cap retaining screws	13 lbf in (1.5 Nm)
Headlight pivot bolt lock nut	18 lbf ft (25 Nm)
Mirror fasteners	13 lbf ft (17 Nm)
Oil drain plug	18 lbf ft (25 Nm)
Oil filter	89 lbf in (10 Nm)
Rear brake fluid reservoir to frame fastener	44 lbf in (5 Nm)
Rear wheel spindle lock nut	81 lbf ft (110 Nm)
Seat lanyard to luggage rack subframe fastener	89 lbf in (10 Nm)
Spark plugs	9 lbf ft (12 Nm)

Fluids and Lubricants	Scrambler 900
Bearings and pivots	Triumph Performance RG2 grease (NLGI 2)
Brake fluid	Triumph Performance DOT 4 brake fluid
Coolant	Triumph D2053 OAT coolant (premixed)
Drive chain	Triumph Performance chain lubricant
Engine oil	Fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended

A

Accessories, Loading and Passengers 159
- Accessories 159
- Loading 161
- Passengers 162

Ambient Air Temperature 55

Anti-lock Braking System (ABS)
- Optimized Cornering ABS (OCABS) 155
- Warning Light 153

B

Bank Angle Indicators 219

Battery 226
- Charging 230
- Discharge 229
- Disposal 228
- Installation 231
- Maintenance 229
- Removal 227
- Storage 229

Bluetooth® 81

Brakes 193
- Anti-lock Braking System (ABS) 153
- Braking 151
- Breaking-in New Brake Discs and Pads .. 193
- Disc Brake Fluid 196
- Front Brake Fluid Level Adjustment 199
- Front Brake Fluid Level Inspection 197
- Front Brake Wear Inspection 194
- Light Switches 204
- Optimized Cornering ABS (OCABS) 155
- Pad Wear Compensation 193
- Rear Brake Fluid Level Adjustment 202
- Rear Brake Fluid Level Inspection 201
- Rear Brake Wear Inspection 195

Breaking-In 141

Brightness 65

C

Cleaning
- After Washing 246
- Aluminum Items - not Lacquered or Painted 247
- Black Chrome Items 248
- Care of Leather Products 251
- Chrome and Stainless Steel 248
- Exhaust System 249
- Frequency of Cleaning 244
- Gloss Paintwork 247
- Matt Paintwork 247
- Monsoon 252
- Preparation for Washing 244
- Seat Care 250
- Washing 246
- Where to be Careful 245
- Windshield 251

Cleaning and Storage 244

Clock 93
- Adjustment 93

Clutch 184
- Adjustment 185
- Inspection 184

Controls
- Brake Lever Adjuster 104
- Clutch Lever Adjuster 106
- Engine Immobilizer 104
- Ignition Key 103
- Ignition Switch/Steering Lock 102
- Left Handlebar Switches 110, 112
- Right Handlebar Switches 108, 109
- Throttle Control 101

Coolant 64

Coolant Temperature Gage 54

Cooling System 179
Coolant Change 182
Coolant Level Adjustment 182
Coolant Level Inspection 180
Corrosion Inhibitors 179
Radiator and Hoses 183
Cruise Control 118
Activating 119
Deactivating 120

D

Daytime Running Lights (DRL) 49, 89
Drive Chain 186
Damage Inspection 189
Final Drive Chain Guard Installation 192
Final Drive Chain Guard Removal 191
Free Movement Adjustment 187
Free Movement Inspection 187
Lubrication 186
Sprockets Wear Inspection 190
Wear Inspection 190

E

Engine
Moving Off 148
Starting the Engine 147
Stopping the Engine 146
Engine Oil 174
Level Inspection 175
Oil and Oil Filter Change 176
Specification and Grade 178
Engine Start/Stop Switch
RUN Position 108, 109
START Position 108, 109
STOP Position 108, 109

F

Fuel
Average Fuel Consumption 94
Filling the Fuel Tank 117
Fuel Gage 54, 91
Fuel Grade 114
Fuel Tank Cap 116
Range to Empty 91
Refueling 116
Fuel Status 63
Fuses 233
Fuse Box Location 233
Identification 234

G

Gears 65
Gear Position 56, 92
Shifting Gears 149

H

Handbook and Tool Kit
Handbook 138
Tool Kit 138
Headlight(s) 239
Adjustment 240
Condensation 240
Replacement 241
Helmet Hook 138
High Speed Operation 157

I

Instruments
- Ambient Air Temperature ... 55
- Average Fuel Consumption ... 94
- Bike Set Up Menu ... 71
- Bike Setup - Service ... 72
- Bike Setup - Traction Control (TC) ... 72
- Bike Setup - TSA (if equipped) ... 71
- Bike Setup - Turn Signals ... 72
- Bluetooth® ... 81
- Brightness ... 65
- Clock ... 93
- Coolant ... 64
- Coolant Temperature Gage ... 54
- Display Navigation ... 57
- Display Setup - Brightness ... 75
- Display Setup - Clock ... 78
- Display Setup - Date ... 79
- Display Setup - Language ... 77
- Display Setup - Shift Indicator ... 76
- Display Setup - Units ... 78
- Display Setup - Visible Trays ... 76
- Display Setup Menu ... 75
- Frost Symbol ... 56
- Fuel Gage ... 54, 91
- Fuel Status ... 63
- Gear Position ... 56, 92
- Gears ... 65
- Information Tray ... 62
- Main Menu ... 66
- Odometer ... 53, 90
- Range to Empty ... 91
- Reset to Defaults ... 81
- Riding Mode Configuration ... 68, 69, 70
- Riding Modes ... 57, 67, 95
- Service Interval ... 64, 94
- Speedometer ... 53, 90
- Tachometer ... 53, 65, 90
- Tire Pressure Monitoring System (TPMS) (if equipped) ... 63
- Trip 2 Display ... 75
- Trip Meter ... 92
- Trip Meters ... 62
- Trip Setup - Automatic Reset ... 74
- Trip Setup - Manual Reset ... 74
- Trip Setup Menu ... 73
- Warning and Information Messages ... 50
- Warning Lights ... 44, 84

Instruments Display ... 43, 83

L

Left Handlebar Switches
- Automatic Daytime Running Lights (DRL) Button (if equipped) ... 111
- Cruise Control Button (if equipped) ... 110, 113
- Daytime Running Lights (DRL) Switch (if equipped) ... 113
- High Beam Button ... 111, 113
- Horn Button ... 110, 113
- MODE Button ... 110
- Navigation Buttons ... 110
- SCROLL Button ... 112
- Select Button ... 110
- Turn Signal Switch ... 110, 113

License Plate Light ... 242

Lights ... 239
- Headlight(s) ... 239
- Headlight(s) Adjustment ... 240
- Headlight(s) Replacement ... 241
- License Plate Light ... 242
- Tail Light ... 241
- Turn Signal Lights ... 241

M

Maintenance
Scheduled Maintenance 168
Mirrors
Bar End Mirrors 205
Mirror Adjustment 206

O

Odometer 53, 90
Off-road
Off-road Use 07

P

Parking 155
Parts Identification. 26, 27, 28, 29, 30, 31, 32, 33
Rider View 34, 35, 36, 37

R

Riding Modes 95
Configuration 68, 69, 70
Off-Road 59
Rain 58
Road 58
Selection 61, 96
Sport 59
Right Handlebar Switches
Engine Start/Stop Switch - RUN Position 108, 109
Engine Start/Stop Switch - START Position 108, 109
Engine Start/Stop Switch - STOP Position 108, 109
Hazard Warning Lights Button 108
Hazard Warning Lights Switch 109
MODE Button 109

S

Safety
Daily Safety Checks 142
Fuel and Exhaust Fumes 11
Handlebars and Footrests 16
Helmet and Clothing 11
Maintenance and Equipment 12
Parking 13
Parts and Accessories 17
Riding 14
The Motorcycle 09
Scheduled Maintenance
Disposal of Used Fluids 169
Seats 128
Seat Care 128, 250
Seat Installation 131
Seat Lock 128
Seat Removal 128
Serial Numbers
Engine Serial Number 39
Vehicle Identification Number 39
Service Interval 64, 94
Side Panels 133, 136
Installation 136
Removal 133
Specifications
Bonneville T100 285
Bonneville T120 290
Bonneville T120 Black 295
Cooling System 271, 276, 281, 286, 291, 296, 301
Electrical Equipment 273, 278, 283, 288, 293, 298, 303
Engine 270, 275, 280, 285, 290, 295, 300

Fluids and Lubricants 274, 279, 284, 289, 294, 299, 304
Fuel 271, 276, 281, 286, 291, 296, 301
Fuel System .. 271, 276, 281, 286, 291, 296, 301
Ignition 271, 276, 281, 286, 291, 296, 301
Lubrication. 270, 275, 280, 285, 290, 295, 300
Payload 270, 275, 280, 285, 290, 295, 300
Scrambler 900 300
Speed Twin 1200 270
Speed Twin 1200 RS 275
Speed Twin 900 280
Tires 273, 278, 283, 288, 293, 298, 303
Torque Figures 274, 279, 284, 289, 294, 299, 304
Transmission 272, 277, 282, 287, 292, 297, 302
Speedometer 53, 90
Stands 126
Center Stand (if equipped) 127
Side Stand 127
Steering Bearings
Inspection 207
Steering/Wheel Bearings 207
Storage
Preparation after Storage 254
Preparation for Storage 253
Suspension 209
Front Compression Damping Adjustment 214
Front Fork Inspection 210
Front Rebound Damping Adjustment 213
Front Spring Preload Adjustment 213
Rear Compression Damping Adjustment 218
Rear Rebound Damping Adjustment 217
Rear Spring Preload Adjustment 214
Suspension Settings 211

T

Tachometer 53, 65, 90
Tail Light 241
Throttle Control 183
Brake Use 102
Inspection 184
Tire Pressure Monitoring System (TPMS) 124
Replacement Tires 126
Sensor Batteries 125
Sensor Serial Number 126
Tire Pressure Warning Light 49
Tire Pressures 125, 222
Tire Pressure Monitoring System (TPMS) (if equipped) 63
Tires 219
Minimum Tread Depth 223
Replacement 126, 223
Tire Inflation Pressures 221
Tire Type 219
Tire Wear 222
Traction Control (TC) 120
Optimized Cornering Traction Control (OCTC) 122
Settings 122, 123
Trip Meter 92
Trip Meters 62
Triumph Shift Assist (TSA) (if equipped) 150
Turn Signal Lights 241
Bulb Replacement 242
LED Lights 241

U

Universal Serial Bus (USB) Socket 139

W

Warning Lights
Cruise Control Indicator Light (if equipped) 47, 87
Daytime Running Lights (DRL) (if equipped) 49, 89
Engine Immobilizer / Alarm Indicator Light 46, 86
Engine Management System Malfunction Indicator Light (MIL) 44, 84
General Warning Symbol 50, 89
Hazard Warning Lights 48, 88
High Beam Indicator Light 48, 88
High Coolant Temperature Warning Light 45, 85
Low Battery Warning Light 50
Low Fuel Indicator Light 49, 89
Low Oil Pressure Warning Light 45, 85
Neutral Indicator Light 49, 89
Traction Control (TC) Disabled Warning Light 48, 88
Traction Control (TC) Indicator Light .. 48, 88
Turn signal Light 48, 88
Warnings 05
Immobilizer and TPMS 312
Maintenance 06
Noise Control System 06
Owner's Handbook 03
QR Code 04
Talk to Triumph 07
Triumph Technical Information (TTI) 04
Warning Label Locations 18, 19, 20, 21, 22, 23, 24, 25
Warning Labels 05
Warning Lights 44, 84
Wheel Bearings
Inspection 209
Windshield
Cleaning 251

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APPROVAL INFORMATION

This section contains approval information that is required to be included in this Owner's Handbook.

FCC Statement

This device complies with part 15 of the Federal Communications Commission (FCC) Rules.

Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to the device could void the user's authority to operate the equipment.

Canadian Approval

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s).

Operation is subject to the following two conditions:

1. This device may not cause interference.

2. This device must accept any interference, including interference that may cause undesired operation of the device.

Radio frequency radiation exposure information:

This equipment complies with radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.