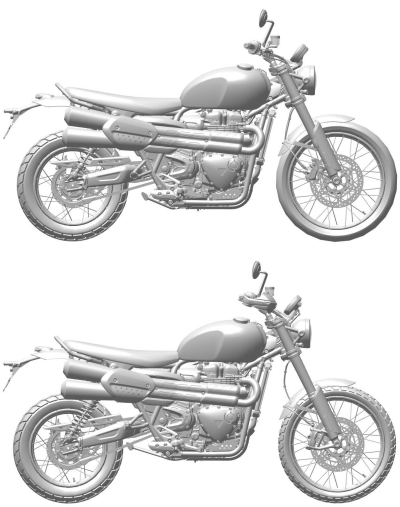
Scrambler 1200 X and Scrambler 1200 XE



This handbook contains information on the Triumph Scrambler 1200 X and Scrambler 1200 XE 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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Publication part number 3850658-US-EN issue 1

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.

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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.triumphmotorcycles.co.uk/handbooks in:

- English
- US English
- Arabic
- Chinese
- Dutch
- French
- German
- Italian
- Japanese
- Portuguese (Brazil)
- Spanish
- Swedish
- Thai
- Finnish (available online only from www.triumphmotorcycles.co.uk/handbooks)
- Polish (available online only from www.triumphmotorcycles.co.uk/handbooks)
- Portuguese (available online only from www.triumphmotorcycles.co.uk/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 in to a web browser:

www.triumphmotorcycles.co.uk/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.

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.triumph.co.uk 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 which 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.

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

The motorcycles are designed for on-road and moderate off-road use. Moderate 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.

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The Motorcycle

⚠ WARNING

This motorcycle is designed for on-road and moderate off-road use. Moderate 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.

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

⚠ 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 below the engine, 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 etc. 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.

⚠ 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.

⚠ 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.

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 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 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 which 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 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.

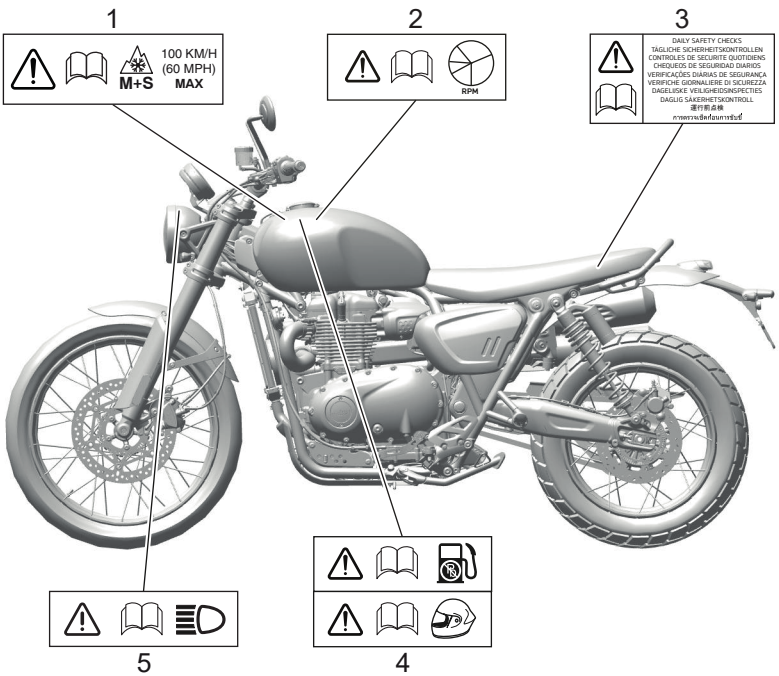
WARNING LABELS

Scrambler 1200 X

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.

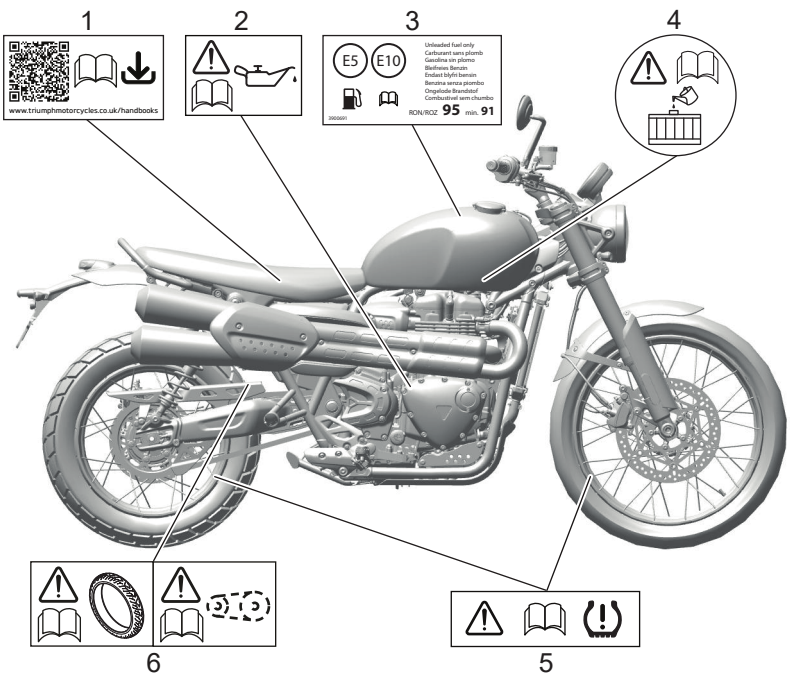


1. Mud and Snow Tires (page 258)
2. Breaking-In (page 141)
3. Daily Safety Checks (under seat) (page 142)
4. Unleaded Fuel (page 124) and Helmet (page 11)
5. Headlight (page 226)

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 (under seat)**
2. **Engine Oil (page 172)**
3. **E5 and E10 Fuel (if equipped) (page 124)**
4. **Coolant Pressure Cap (page 177)**
5. **Tire Pressure Monitoring System (if equipped) (page 132)**
6. **Tires (page 211) and Drive Chain (page 184)**

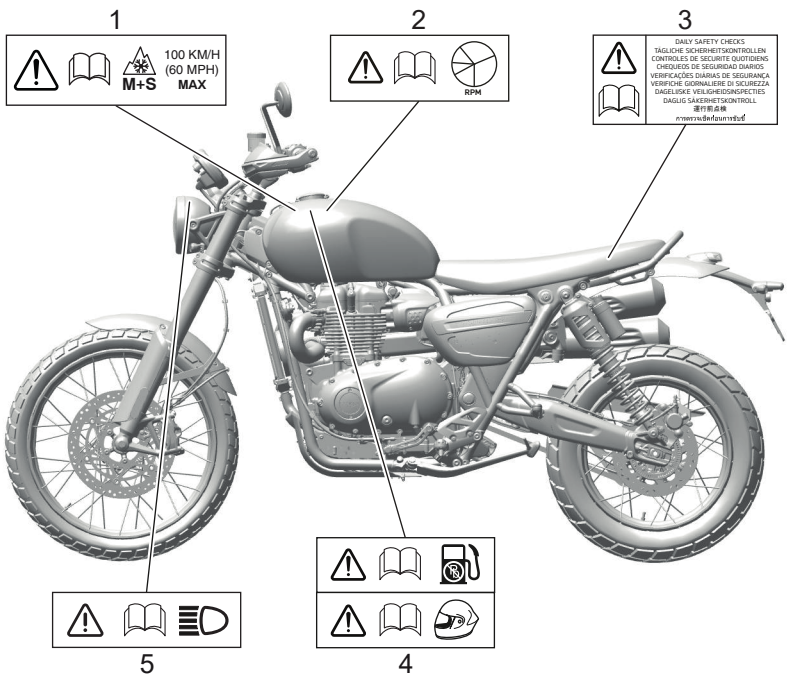
WARNING LABELS

Scrambler 1200 XE

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.

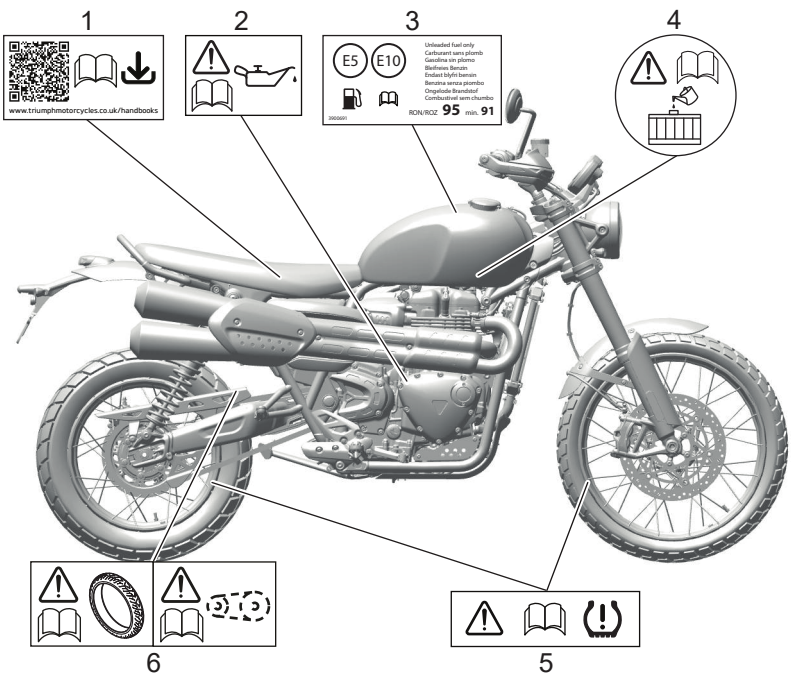


1. Mud and Snow Tires (page 258)
2. Breaking-In (page 141)
3. Daily Safety Checks (under seat) (page 142)
4. Unleaded Fuel (page 124) and Helmet (page 11)
5. Headlight (page 226)

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.

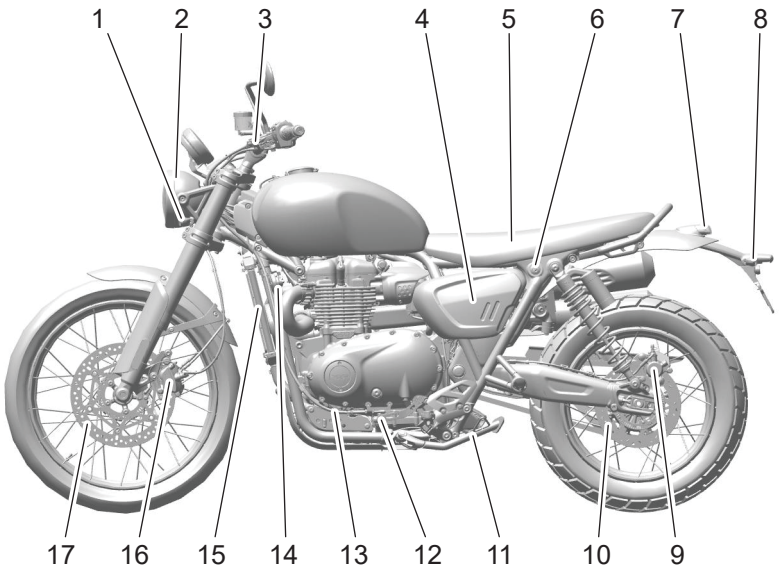


1. **Owner's Handbook Download Details (under seat)**
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3. **E5 and E10 Fuel (if equipped) (page 124)**
4. **Coolant Pressure Cap (page 177)**
5. **Tire Pressure Monitoring System (if equipped) (page 132)**
6. **Tires (page 211) and Drive Chain (page 184)**

PARTS IDENTIFICATION

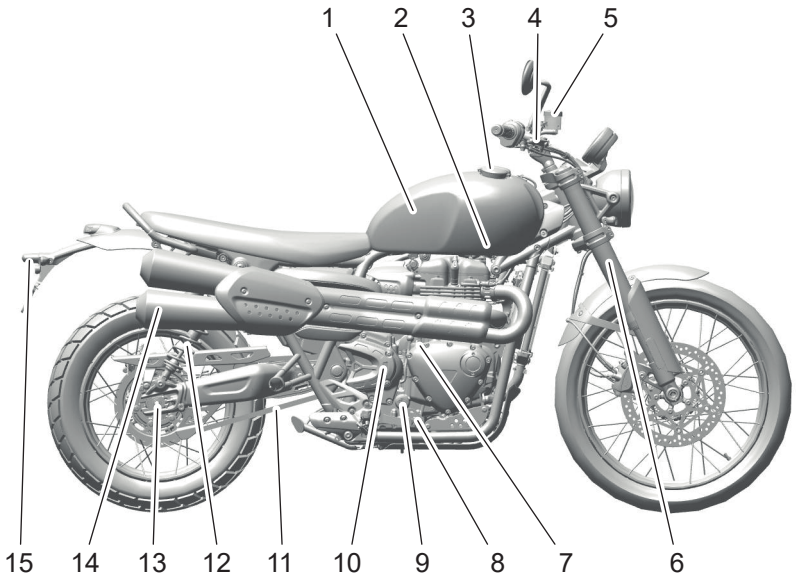
Scrambler 1200 X

Left Hand Side



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

Right Hand Side

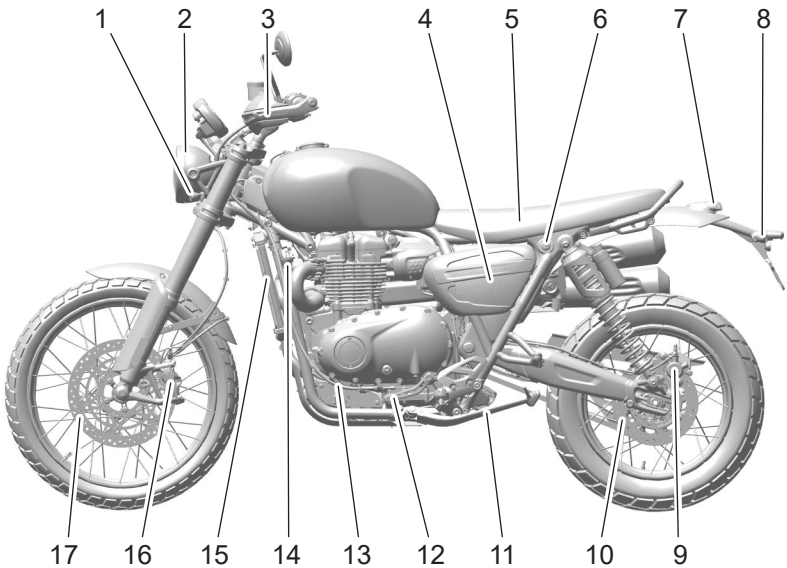


1. Fuel tank
2. Coolant pressure cap (under fuel tank)
3. Fuel tank cap
4. Front brake lever
5. Front brake fluid reservoir
6. Front fork
7. Oil filler plug
8. Rear brake pedal
9. Oil level sight glass
10. Rear brake fluid reservoir (behind cover)
11. Drive chain
12. Rear suspension unit
13. Drive chain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

PARTS IDENTIFICATION

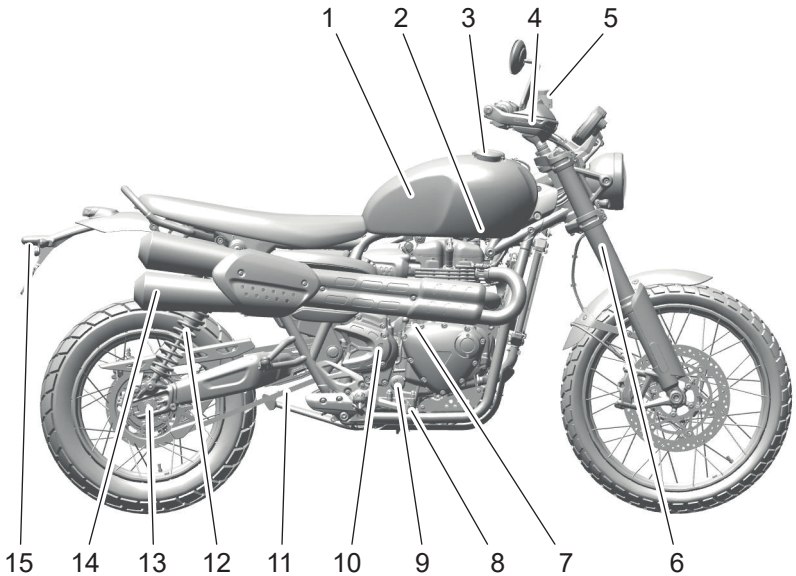
Scrambler 1200 XE

Left Hand Side



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

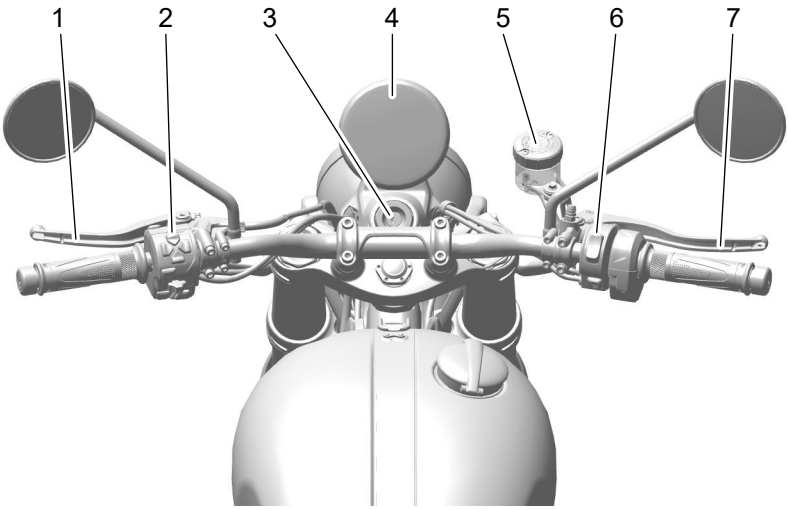
Right Hand Side



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

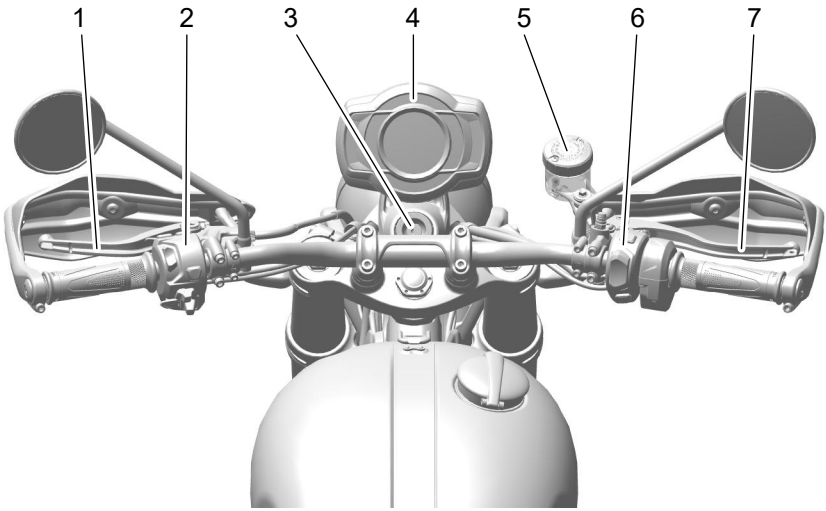
Rider View Parts Identification

Scrambler 1200 X



1. Clutch lever
2. Left hand switch housing, see page 119
3. Ignition switch
4. Instruments, see page 33
5. Front brake fluid reservoir
6. Right hand switch housing, see page 118
7. Front brake lever

Scrambler 1200 XE

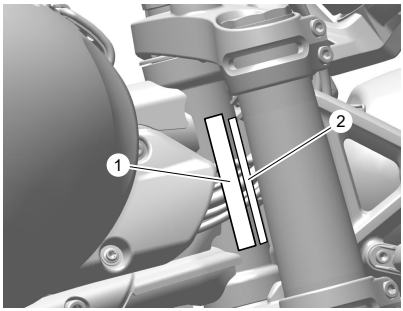


1. Clutch lever
2. Left hand switch housing, see page 122
3. Ignition switch
4. Instruments, see page 68
5. Front brake fluid reservoir
6. Right hand switch housing, see page 118
7. Front brake lever

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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.

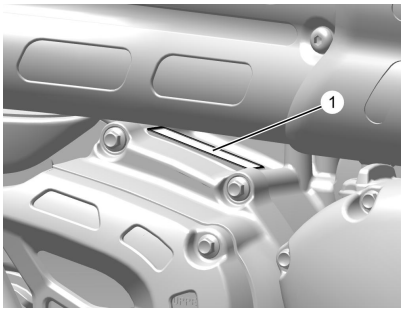


1. **VIN stamp (Scrambler 1200 X shown)**
2. **VIN label**

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**

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

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Scrambler 1200 X

This model is equipped with a Liquid Crystal Display/Thin Film Transistor (LCD/TFT) instrument display.



For the instrument display operating instructions, see page 33.

Scrambler 1200 XE

This model has two different themes available for the instrument display.

The Quartz Theme is used for visual recognition and consistency throughout this Owner's Handbook.

Quartz Theme



Chronos Theme



For the instrument display operating instructions, see page 68.

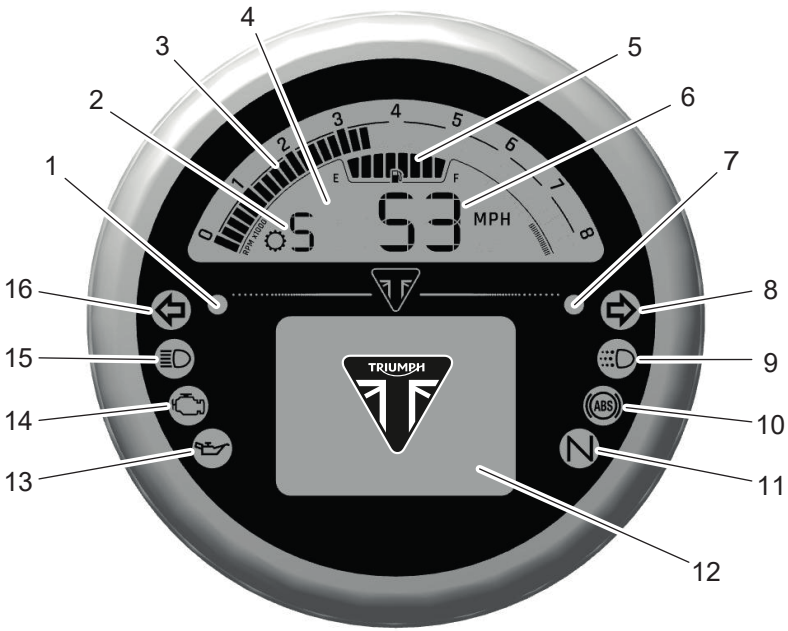
Instruments - Scrambler 1200 X

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Instruments Display

The instruments are illustrated for the UK market specification. Other markets will display different units, see page 63.



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

Warning Lights

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.

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.

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

The DRL and dipped beam 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.

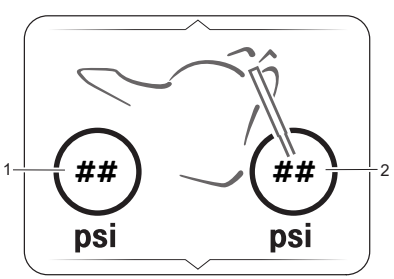
Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.



The tire pressure warning light works with the Tire Pressure Monitoring System (TPMS), see page 132.

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.



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

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 212. 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.

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.

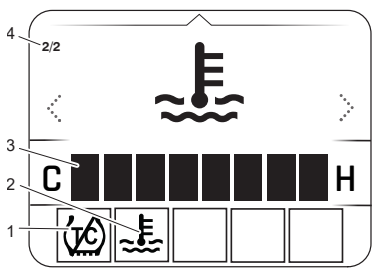
General Warning Symbol



The general warning symbol will be shown in the information tray 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. **Optimized traction control warning symbol (amber)**
2. **Coolant temperature warning symbol (red)**
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)
	High coolant temperature warning light (red indicator)
	Tire Pressure Monitoring System (TPMS) sensor signal - front/rear tire (red indicator)
	Tire Pressure Monitoring System (TPMS) battery low - front/rear tire warning light (amber indicator)
	Engine management system Malfunction Indicator Light (MIL) (amber indicator)

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

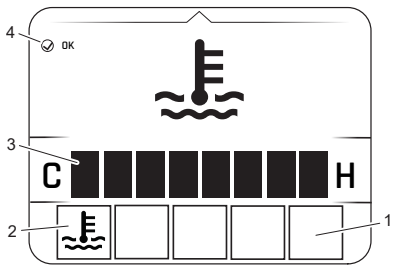
NOTICE

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 indicator light (amber indicator)
	Turn signal light (green indicator)
	Neutral indicator light (green indicator)
	Daytime Running Lights (DRL) indicator light (if equipped) (green indicator)
	High beam indicator light (blue indicator)

To view the warnings:

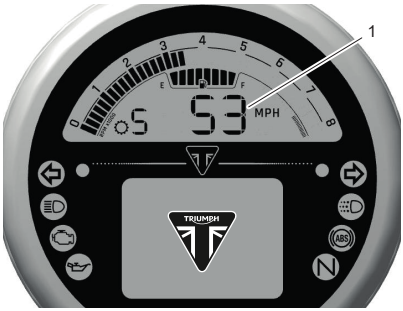
- Press the Up/Down button to scroll through the options until the warning message display is shown.
- Press the Left/Right button to review each warning message (if there is more than one). The warning message counter will show the amount of warning messages that are present.
- Press the Select button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



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

Speedometer

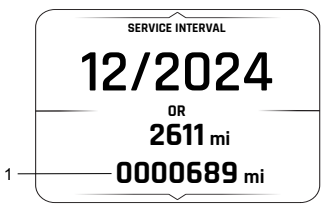
The speedometer indicates the road speed of the motorcycle.



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 50.



1. **Odometer**

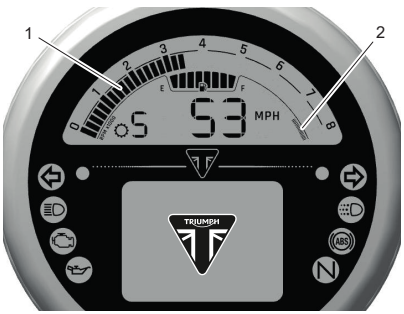
Tachometer

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).

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



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

Fuel Gage

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



1. **Fuel gage**

With the ignition switched on, a filled line in the fuel gage indicates the amount of fuel remaining in the fuel tank.

The 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 49.

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 Gage

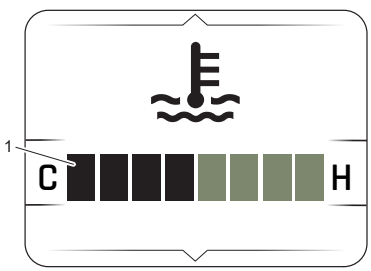
NOTICE

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.

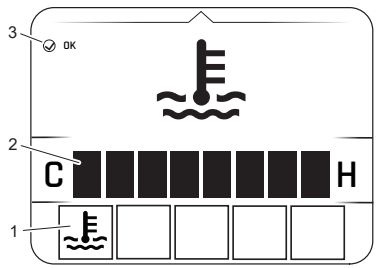


1. Coolant temperature gage

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.

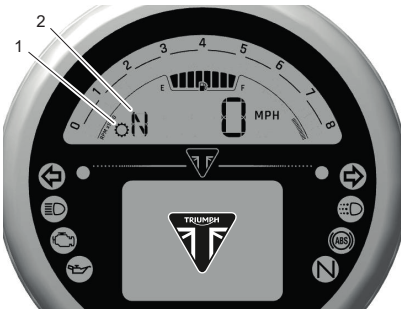


1. **Coolant temperature warning symbol (red indicator)**
2. **Coolant temperature gage**
3. **Press select button symbol**

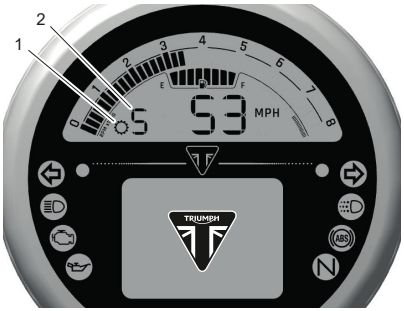
- Stop the engine immediately if a high coolant temperature warning message is shown in the instrument tray.
- Allow the engine temperature to cool for at least 30 minutes.
- Check and adjust the coolant level as necessary, see page 178 and page 179.

Gear Position

The gear position indicates which gear (one to six) has been engaged. When the transmission is in neutral (no gear selected), N is shown.



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 61.

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 located on the left hand switch housing, while the motorcycle is stationary or moving, see page 46.

Five riding modes are available. If the rider edits a riding mode (other than the Rider mode), the icon will change as shown in the table below.

Default Icon	Rider Edited Icon	Description
		Rain
		Road
		Sport
		Off-road
	-	Rider

Each riding mode is adjustable, see page 53 for more information.

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 stop switch is in the RUN position.

To select a riding mode:

- Press and release the MODE button 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, or press the left/right buttons until the required riding mode is shown in the information tray.
- 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 stop switch is in the RUN position.

Motorcycle Stationary - Engine Running

- Neutral gear is selected 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.

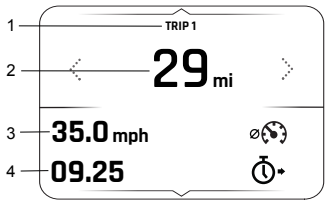
The information tray contains the following items:

- Main Menu, see page 51
- Trip Meters, see page 48
- Fuel Status, see page 49
- Tire Pressure Monitoring System (TPMS) (if equipped), see page 49
- Coolant, see page 50
- Service Interval, see page 50
- Brightness, see page 50
- Gear, see page 51
- Warning and Information Messages, see page 40

Different information tray items can be shown or hidden from the information tray. For further information, refer to page 61.

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**

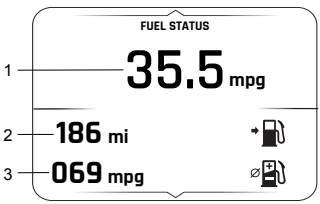
To view and clear a specific trip meter:

- 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 58.

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)

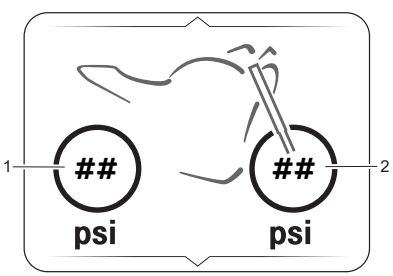
⚠ WARNING

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**

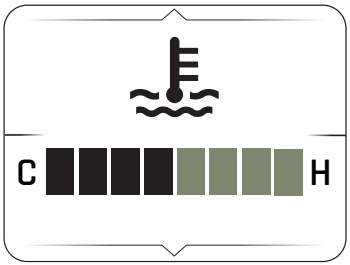
The tire pressure indicators show the current tire pressure.

For the correct tire pressures, refer to the Tires table in the Specifications section, see page 255.

For more information on TPMS, see page 132.

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**

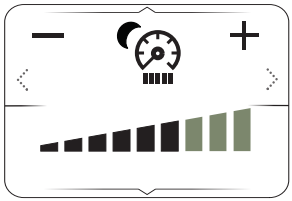
If the service is overdue then a message is shown in the instrument tray and will remain on until the service has been carried out and the system has been reset.

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.

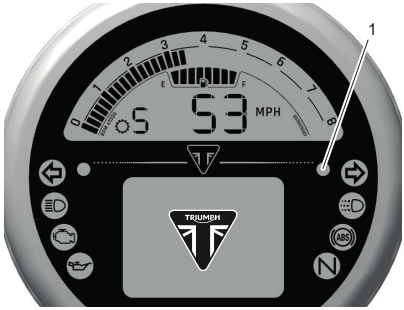


To adjust the brightness of the information tray:

- 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 instrumentsare can be viewed at all times.

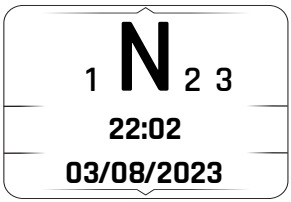
Do not cover the ambient light sensor on the display screen, as this will stop the screen brightness from working correctly.



1. **Ambient light sensor**

Gear

The Gear display shows which gear has been engaged.



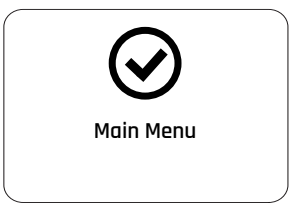
The time and date is only shown in the gear display.

For more information on how to set the time and date, see page 63 and page 64.

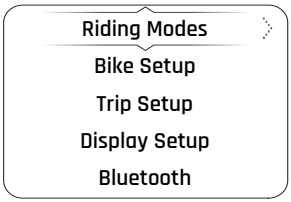
Main Menu

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 52.

Bike Setup

This menu allows configuration of the different features of the motorcycle. For more information, see page 56.

Trip Setup

This menu allows configuration of the trip meters. For more information, see page 58.

Display Setup

This menu allows configuration of the display options. For more information, see page 60.

Bluetooth® (if equipped)

This menu allows configuration of the Bluetooth® connectivity. For more information, see page 66.

Reset To Defaults

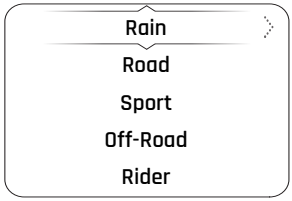
This menu allows all instrument settings to be returned to the default setting. For more information, see page 66.

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.
- Press the Up/Down button to select the required riding mode.



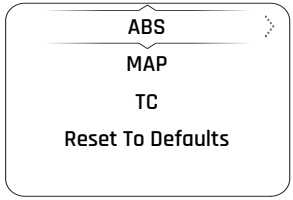
- Press the Right button to view the relevant setting options for the selected riding mode.

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

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

Key
● = Standard (Factory Default Setting)
○ = Selectable Option
⊘ = Option Not Available

ABS Settings

⚠ WARNING

The Off-Road ABS option is not intended for use with normal, on-road riding.

Use of the rear brake pedal in this situation can cause the rear wheel to lock under heavy braking.

Riding on the road with the ABS set to Off-Road can cause instability when braking and may lead to loss of motorcycle control which could result in serious injury or death.

⚠ WARNING

If the ABS is disabled, the brake system will function as a non-ABS braking system.

Braking too hard while ABS is off will cause the wheels to lock.

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

ABS Settings Descriptions	
Road and Sport	Optimal ABS setting for road use.
Rain	Optimal ABS setting for rain use.
Off-Road	Front ABS is less intrusive. Rear ABS is disabled. Optimized cornering ABS is disabled.

MAP Settings

MAP Settings Descriptions	
Road	Standard throttle response.
Rain	Reduced throttle response when compared to the Road setting for wet or slippery conditions.
Sport	Increased throttle response when compared to the Road setting.
Off-Road	Optimal throttle response setting for off-road use.

Traction Control Settings

⚠ WARNING

The Off-Road traction control option is not intended for normal, on-road riding.

Riding on the road with traction control set to Off-Road can produce instability under acceleration due to the increased amount of rear wheel slip allowed.

Instability caused by rear wheel slip may result in 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

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

Accelerating too hard on wet/slippery road surfaces while traction control is off 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.

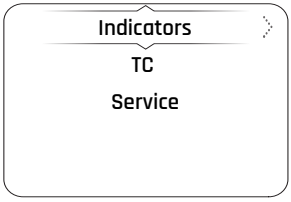
Traction Control Settings Descriptions	
Road	Optimal traction control setting for road use. Allows a small amount of rear wheel slip.
Rain	Optimal traction control setting for wet or slippery conditions. Allows reduced rear wheel slip when compared with the Road setting.
Sport	Allows increased rear wheel slip when compared with the Road setting.
Off-Road	Traction control is set up for off-road use. Allows increased rear wheel slip when compared to the Rain, Road and Sport setting. The traction control indicator light will flash slowly.

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.

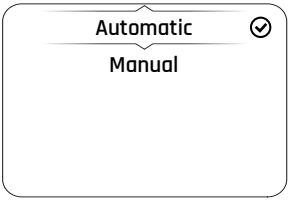


Bike Setup - Turn Signals

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.

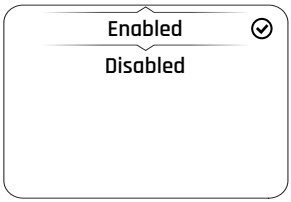


Bike Setup - Traction Control (TC)

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.

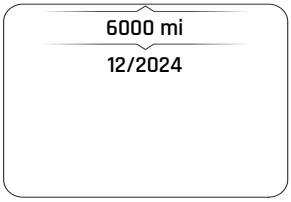


Bike Setup - Service

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.

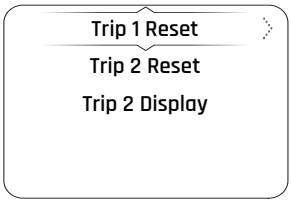


Trip Setup Menu

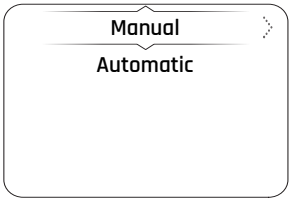
The Trip Setup menu allows configuration of the trip meters.

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 58.

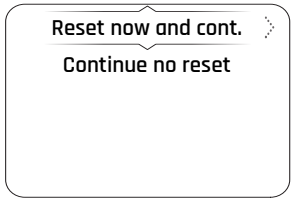
Automatic reset will reset each trip meter after the ignition has been switched off for a set time. For more information, see page 59.

Trip meter 2 can be enabled or disabled. For more information, see page 59.

Trip Setup - Manual Reset

To set the trip meter to reset manually:

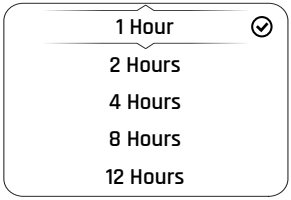
- From the Trip Setup menu, press the Up/Down button to select Trip 1 Reset or Trip 2 Reset.
- Press the Right button to view the available options.
- Press the Up/Down button to select Manual.
- Press the Right button to view the available options.
- Press the Up/Down button to scroll between the following 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.

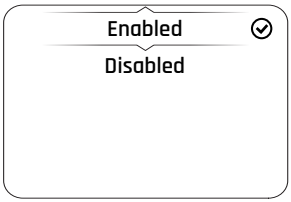
Ignition Turned Off	Selected Time Delay	Trip Meter Resets to Zero
10:30 hrs	4 Hours	14:30 hrs
18:00 hrs	16 Hours	10:00 hrs (next day)

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.

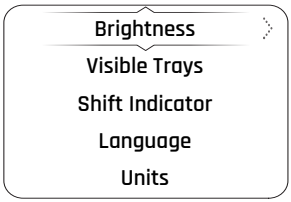


Display Setup Menu

The Display Setup menu allows configuration of the display 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

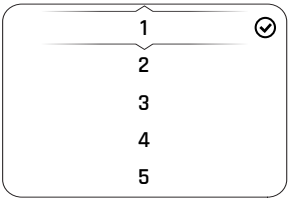
NOTICE

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

There are seven 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.

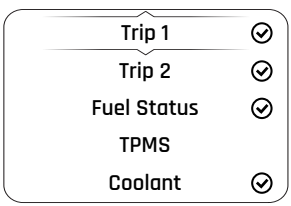


Display Setup - Visible Trays

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.

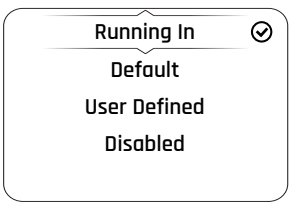
Display Setup - Shift Indicator

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:

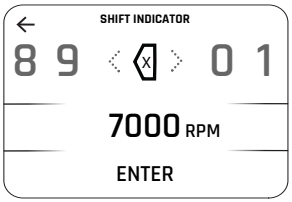
- From the Shift Indicator menu, press the Up/Down button to select User Defined and press the Select button to confirm.



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

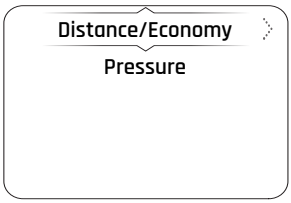
The Units menu allows the selection of a preferred unit of measurement.

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

Pressure

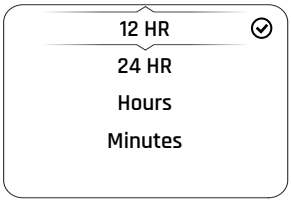
- PSI
- Bar
- kPa

Display Setup - Clock

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

To set the clock:

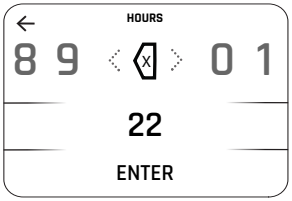
- From the Display Setup menu, press the Up/Down button to select Clock.
- Press the Right button to view the available options.
- Press the Up/Down button to select 12 HR or 24 HR clock and press the Select button to confirm. A tick is shown to indicate the selected option.



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:

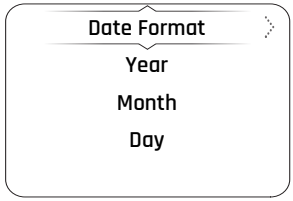
- Repeat the procedure used to set the hour by selecting Minutes.

Display Setup - Date

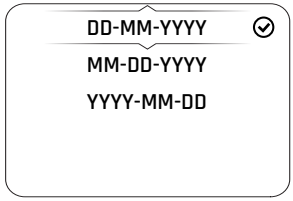
The Date menu allows the date and date format to be adjusted.

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.

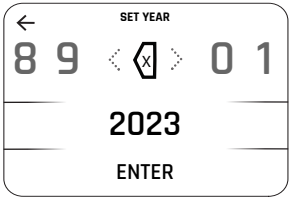


- Press the Right button to view the available options.
- Press the Up/Down button to select the required date format option and press the Select button to confirm. A tick is shown to indicate the selected option.



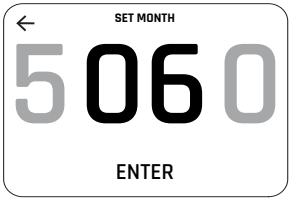
To set the year:

- 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 more information on Bluetooth® features, see the My Triumph Connectivity Handbook.

The My Triumph Connectivity Handbook is also available on the internet at: https://www.triumphinstructions.com.

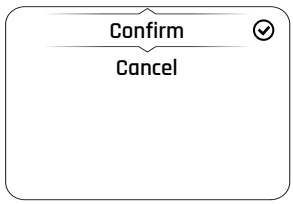
Enter the part number 'A9820200' into the search field to access the handbook.

Reset to Defaults

The Reset to Defaults menu allows all instrument settings to be returned 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 - Scrambler 1200 XE

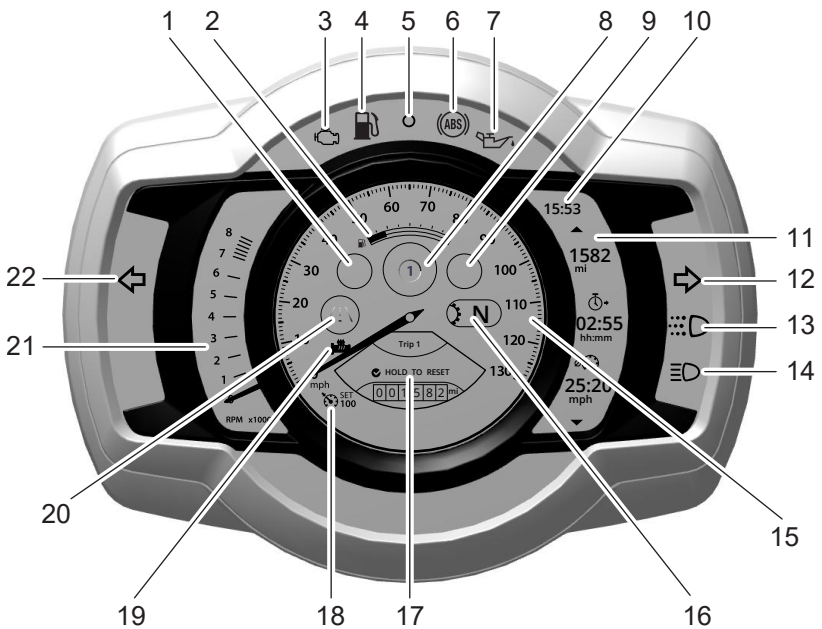
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ABS Enable 110

Instruments Display

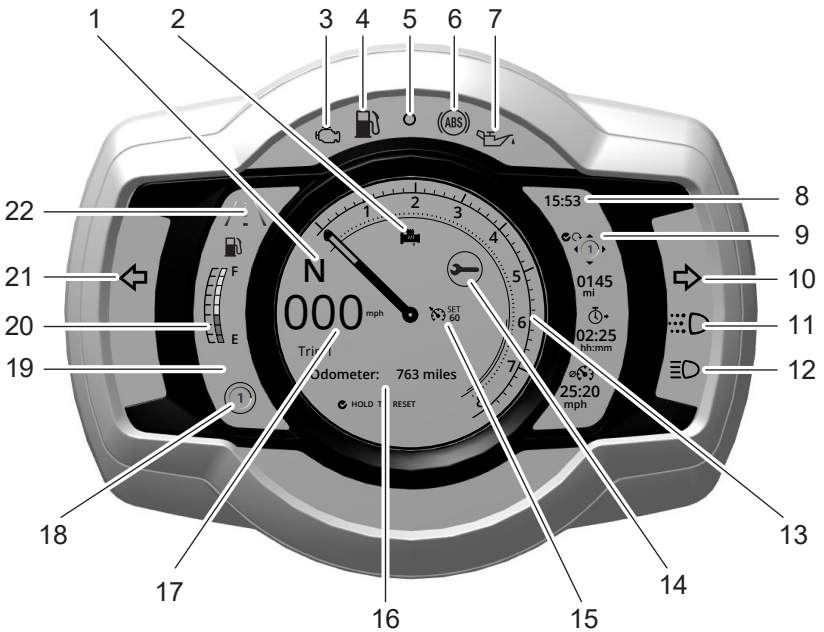
The instruments are illustrated for the UK market specification. Other markets will display different units, see page 107.

Quartz Theme



1. Warning light
2. Fuel gage
3. Engine management system Malfunction Indicator Light (MIL)
4. Low fuel indicator light
5. Engine immobilizer/alarm indicator light (alarm is an accessory kit)
6. Anti-lock Braking System (ABS) warning light
7. Low oil pressure warning light
8. Information tray symbol/riding mode symbol
9. Warning light
10. Clock
11. Right hand side display panel
12. Right hand turn signal and hazard warning light
13. Daytime Running Lights (DRL) indicator light (if equipped)
14. High beam indicator light
15. Speedometer
16. Gear position
17. Information tray
18. Cruise control speed/SET indicator
19. Heated grips status (if equipped)
20. Current riding mode
21. Tachometer/left hand side display panel
22. Left hand turn signal and hazard warning light

Chronos Theme



1. Gear position
2. Heated grips status (if equipped)
3. Engine management system Malfunction Indicator Light (MIL)
4. Low fuel indicator light
5. Engine immobilizer/alarm indicator light (alarm is an accessory kit)
6. Anti-lock Braking System (ABS) warning light
7. Low oil pressure warning light
8. Clock
9. Right hand side display panel
10. Right hand turn signal and hazard warning light
11. Daytime Running Lights (DRL) indicator light (if equipped)
12. High beam indicator light
13. Tachometer
14. Warning light
15. Cruise control speed/SET indicator
16. Information tray
17. Speedometer
18. Information tray symbol
19. Left hand side display panel
20. Fuel gage
21. Left hand turn signal and hazard warning light
22. Current riding mode

Warning Lights

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



The cruise control (if equipped) can only be activated when the motorcycle is traveling at a speed between 30 to 100 mph (48 to 160 km/h) and is in 3rd 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)

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 and the daytime running lights switch is set to Daytime Running Lights (DRL), the DRL indicator light will illuminate.

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

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

Neutral Indicator Light

N

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.

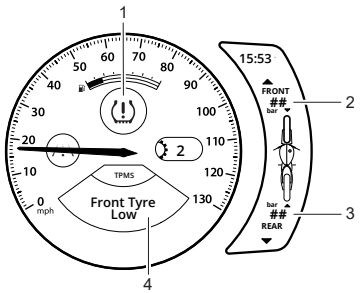
Do not ride the motorcycle until the tires have been checked and the tire pressures are at their recommended pressure when cold.

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 132.

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 TPMS symbol indicating which is the deflated tire and its pressure will automatically be shown in the tire pressure display.



1. **TPMS warning light**
2. **Front tire pressure indicator**
3. **Rear tire pressure indicator**
4. **TPMS information tray message**

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 212. 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.

The information display will automatically switch to the tire pressure display when a low tire pressure is detected.

Low Battery Warning Light

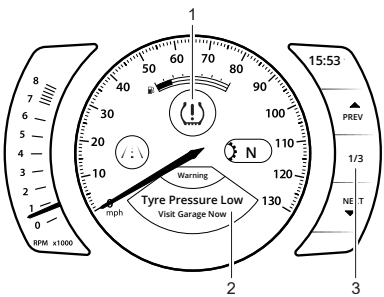
If items such as heated grips are equipped and are on with the engine at idle, over a period of time, the battery voltage may drop below a predetermined voltage and a warning message will be shown.

General Warning Symbol

The general warning symbol will be shown in the information tray 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 right hand side display panel.



1. **Warning symbol (TPMS shown)**
2. **Warning and/or message description**
3. **Warning and/or message counter**

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)
	High coolant temperature warning light (red indicator)
	Tire Pressure Monitoring System (TPMS) sensor signal - front/rear tire (red indicator)
	Tire Pressure Monitoring System (TPMS) battery low - front/rear tire warning light (amber indicator)
	Engine management system Malfunction Indicator Light (MIL) (amber indicator)

Warning Lights and Messages	
	Optimized Cornering Anti-lock Braking System (OCABS) warning light (amber indicator)
	Optimized Cornering Anti-lock Braking System (OCABS) disabled warning light (amber indicator)
	Bulb failure warning light (amber indicator)
	Optimized Cornering Traction Control (OCTC) indicator light (amber indicator)
	Optimized Cornering Traction Control (OCTC) disabled warning 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 indicator light (amber indicator)
	Cruise control indicator light (green indicator)
	Turn signal light (green indicator)
	Neutral indicator light (green indicator)
	Daytime Running Lights (DRL) indicator light (if equipped) (green indicator)
	High beam indicator light (blue indicator)

To view the warnings:

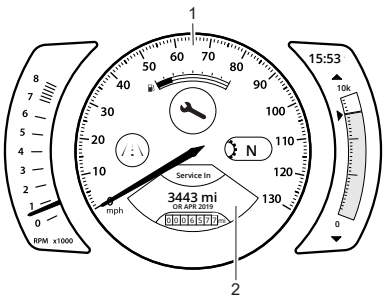
- Push the joystick left/right to scroll through the options until the warning message display is shown.
- Push the joystick up/down to review each warning message (if there is more than one). The warning message counter will show the amount of warning messages that are present.
- Press the joystick to acknowledge and hide each message.

Speedometer and Odometer

The speedometer indicates the road speed of the motorcycle.

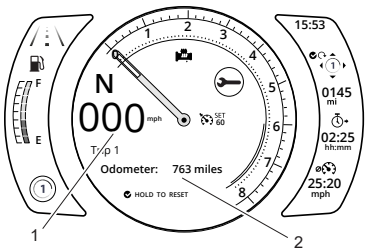
The odometer shows the total distance that the motorcycle has traveled.

Quartz Theme



1. **Speedometer**
2. **Odometer**

Chronos Theme



1. **Speedometer**
2. **Odometer**

Tachometer

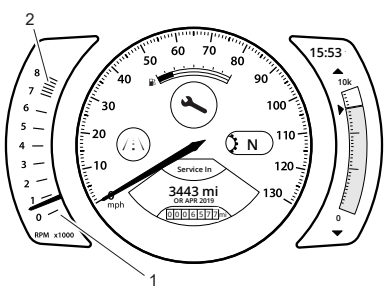
NOTICE

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).

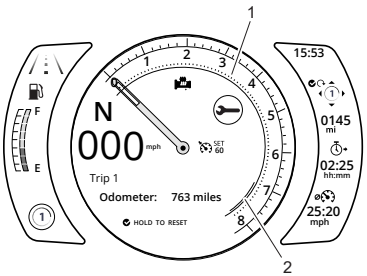
Engine speeds above the maximum engine speed are above the range for best engine performance and may result in engine damage.

Quartz Theme



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

Chronos Theme



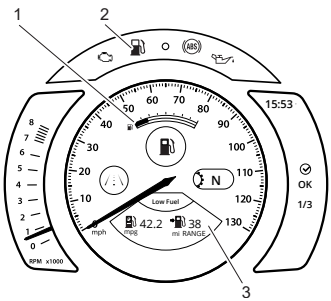
1. Engine speed (rpm)
2. Maximum engine speed

Fuel Gauge

NOTICE

The fuel gage is shown in the left hand side display panel when the Chronos theme is selected.

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



1. **Fuel gage**
2. **Low fuel indicator light**
3. **Low fuel information tray**

With the ignition switched on, a filled line in the fuel gage indicates the amount of fuel remaining in the fuel tank.

The gage markings indicate intermediate fuel levels between an empty and full fuel tank. 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.

A low fuel warning message will appear in the information tray. Press the joystick center to acknowledge and hide the low fuel warning.

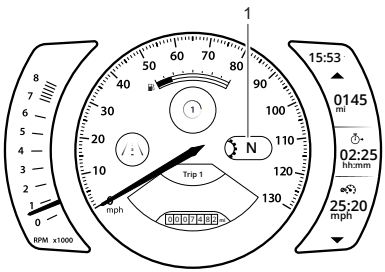
The range to empty and instantaneous fuel consumption are shown in the right hand side display panel when the Fuel menu is selected, see page 90.

NOTICE

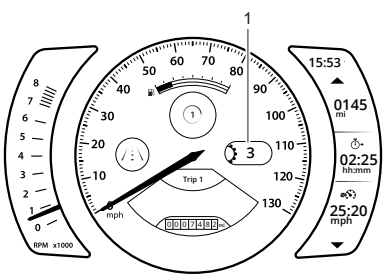
After refueling, the fuel gage and range to empty information will be updated only while riding the motorcycle. Depending on the riding style, updating could take up to five minutes.

Gear Position

The gear position indicates which gear (one to six) has been engaged. When the transmission is in neutral (no gear selected), N is shown.



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



1. **Gear position (third gear shown)**

Riding Modes

The riding modes allow adjustment of the Anti-lock Braking System (ABS), 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 located on the left hand switch housing, while the motorcycle is stationary or moving, see page 83.

Six riding modes are available. If the rider edits a riding mode (other than the Rider mode), the icon will change as shown in the table below.

Default Icon	Rider Edited Icon	Description
	-	Rider
		Rain
		Road
		Sport
		Off-road
PRO	PRO	Off-road pro

Each riding mode is adjustable, see page 95 for more information.

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

If traction control has been disabled in the Main Menu, as described on page 99, then settings saved for all riding modes will be overridden.

Traction control will remain off regardless of your riding mode selection until re-enabled, or the ignition has been switched off then on again, or the MODE button is held in to return to the default Road mode (which enables the traction control when the motorcycle is next stationary).

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, and may lead to loss of motorcycle control which could result in serious injury or death.

⚠ WARNING

If the ABS is disabled, the brake system will function as a non-ABS braking system.

In this situation braking too hard will cause the wheels to lock, and 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, Off-road pro or Rider mode was active, and ABS or TC was set to Off-road or Off when the ignition is switched OFF, the riding mode will default to Road when the ignition is switched ON again.

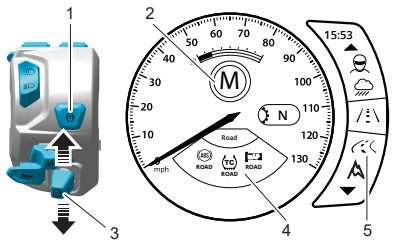
Otherwise, the last selected riding mode will be remembered and activated when the ignition is switched ON. If the riding mode icons are not shown when the ignition switch is in the ON position, make sure that the engine stop switch is in the RUN position.

To select a riding mode:

- Press and release the MODE button on the left hand switch housing to activate the riding mode information tray and riding mode selection panel.
- The currently active riding mode icon is shown in the center of the instrument panel.

To change the selected riding mode:

- Press the MODE button repeatedly, or push the joystick up/down until the required riding mode is shown in the center of the display screen or highlighted in the riding mode selection panel.
- A brief press of the joystick center will select the required riding mode.



1. **MODE button**
2. **Current riding mode**
3. **Joystick**
4. **Information tray showing riding mode settings**
5. **Riding mode selection panel**

The selected mode is activated once the following conditions for switching modes have been met:

Motorcycle Stationary - Engine Off

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

Motorcycle Stationary - Engine Running

- Neutral gear is selected.

Motorcycle in Motion

Within 30 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).

It is not possible to switch into or out of Off-road, Off-road pro or Rider modes while the motorcycle is in motion, if the ABS or TC settings are set to Off-Road or OFF in either of those modes. In this case, the motorcycle must be brought to a stop before the riding mode change can take place.

If a riding mode change is not completed, the icon will alternate between the previous riding mode and the newly selected riding mode until the change is complete or it is canceled.

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.

The information tray appears at the bottom of the display screen and allows easy access to different motorcycle status information.

To access the information tray, any warning messages must first be acknowledged.

To view the different information tray items, push the joystick left/right until the required information tray item is shown.

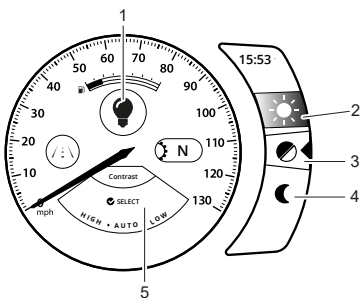
The information tray contains the following items:

- Warning and Information Messages, see page 76
- Contrast, see page 87
- Theme, see page 88
- Style, see page 88
- Trip Meters, see page 89
- Fuel, see page 90
- Coolant, see page 91
- Service Interval and Odometer, see page 92
- Tire Pressure Monitoring System (TPMS) (if equipped), see page 92.

Different information tray items can be shown or hidden from the information tray. For further information, refer to page 104.

Contrast

The Contrast information tray menu allows the display screen contrast to be adjusted. However, do not cover the light sensor in the left hand panel on the display screen, as this will stop the screen contrast from working correctly.



1. **Contrast symbol**
2. **HIGH contrast**
3. **AUTO contrast**
4. **LOW contrast**
5. **Contrast information tray**

There are three options available:

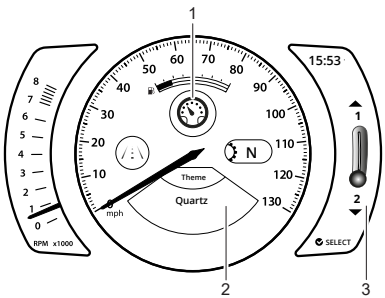
- HIGH - This option locks the display screen to the white background version of each display screen style for maximum visibility.
- AUTO - This option uses the instrument light sensor to adjust the contrast to the most suitable setting. In bright sunlight, low brightness settings will be overridden to make sure that the instruments can be viewed at all times.
- LOW - This option locks the display screen to the dark background version of each display screen for night time visibility.

To select an option:

- Push the joystick up/down to select either the HIGH, AUTO or LOW contrast option and press the joystick center to confirm.
- If the rider-defined brightness setting is suitable this will be used, see page 103.

Theme

The Theme information tray menu allows a different theme to be applied to the display screen.



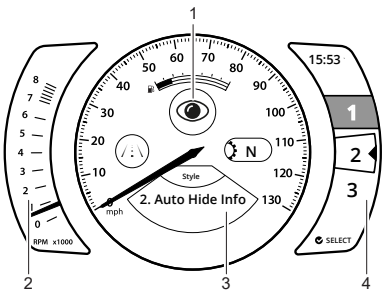
1. **Theme symbol**
2. **Theme information tray**
3. **Theme slider bar**

To change the theme:

- Push the joystick up/down to select the required theme and press the joystick center to confirm.
- A slider bar in the right hand side display panel also indicates the choice of theme.

Style

The Style information tray menu allows the level of detail to be shown or hidden in the display screen.



1. **Style symbol**
2. **Left hand side display panel**
3. **Information tray**
4. **Right hand side display panel**

There are three options available:

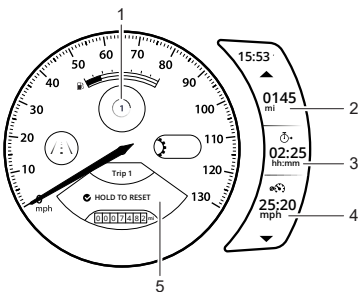
- Auto Hide All - This option hides all information in the left hand side display panel, right hand side display panel and the information tray.
- Auto Hide Info - This option hides all information in the information tray.
- Show All - This option shows information in the left hand side display panel, right hand side display panel and the information tray.

To select an option:

- Push the joystick up/down to select the required Style option.
- There is a short time delay when using the joystick to select the option, and the option then being hidden or shown in the display screen. Make sure that the joystick is not held while the option is waiting to appear or hide the information. If the joystick is pressed, the information then reappears until the next option is selected.
- Once the required Style option is chosen, press the joystick center to confirm.
- The Style options are also numbered and shown in the right hand side display panel.

Trip Meters

There are two trip meters that can be accessed and reset in the information tray. Trip 2 meter can be shown or hidden from the information tray. For more information, see page 102.



1. **Trip symbol**
2. **Distance traveled**
3. **Time taken**
4. **Average speed**
5. **Trip information tray**

To view a specific trip meter:

- Push the joystick left/right to scroll through the information tray items until Trip 1 meter is shown.
- Push the joystick up/down to select Trip 1 or Trip 2.

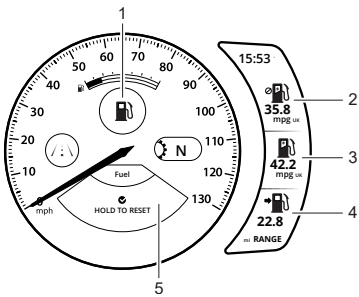
To reset a trip meter:

- Select the trip meter to be reset.
- Press and hold the joystick center for more than one second.
- The trip meter will then be reset.

The trip meter can also be reset from the Main Menu, see page 100.

Fuel

The Fuel information tray menu shows fuel consumption information.



1. **Fuel symbol**
2. **Average fuel consumption**
3. **Instantaneous fuel consumption**
4. **Range to empty**
5. **Fuel information tray**

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.

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.

Reset

To reset the average fuel consumption, press and hold the joystick center.

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

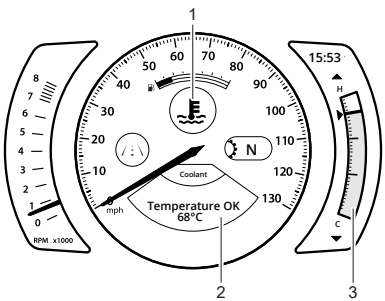
NOTICE

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.

The Coolant information tray menu shows the temperature of the engine coolant.



1. **Coolant symbol**
2. **Coolant information tray**
3. **Coolant temperature gage**

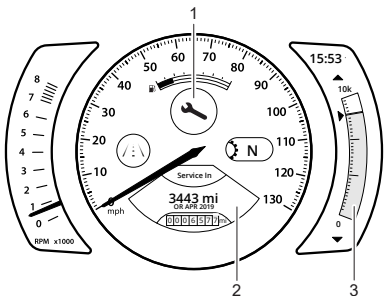
The engine coolant temperature is shown in the information tray with a status message. The coolant temperature is also shown in a gage in the right hand side display panel. The gage ranges between C (Cold) and H (Hot).

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

With the engine running, if the engine coolant temperature becomes dangerously high, the high coolant temperature warning light on the display will be illuminated and a message will be shown in the information tray.

Service Interval and Odometer

The Service Interval information tray menu shows the service symbol, the distance/days remaining before the next service and the current odometer reading. The odometer shows the total distance that the motorcycle has traveled.



1. **Service symbol**
2. **Service interval information tray**
3. **Service interval gage**

For more information on the service interval, see page 99.

Tire Pressure Monitoring System (TPMS) (if equipped)

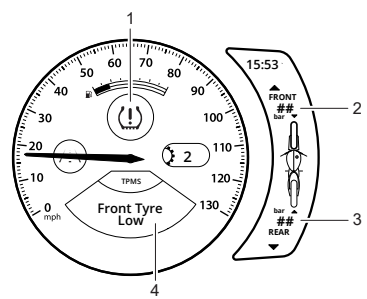
⚠ WARNING

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) information tray menu shows the front and rear tire pressures.



1. **TPMS symbol**
2. **Front tire pressure indicator**
3. **Rear tire pressure indicator**
4. **TPMS information tray**

The tire pressure indicators show the current tire pressure.

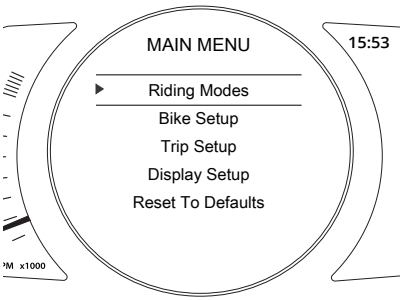
For the correct tire pressures, refer to the Tires table in the Specifications section, see page 255.

For more information on TPMS, see page 132.

Main Menu

To access the Main Menu:

- The motorcycle must be stationary with the ignition switched on.
- Press the HOME button on the right hand switch housing.
- Scroll the Main Menu by pushing the joystick up/down until the required option is selected and then press the joystick center to confirm.



The Main Menu allows access to the following options:

Riding Modes

This menu allows configuration of the riding modes. For more information, see page 94.

Bike Setup

This menu allows configuration of the different features of the motorcycle. For more information, see page 98.

Trip Setup

This menu allows configuration of the trip meters. For more information, see page 100.

Display Setup

This menu allows configuration of the display options. For more information, see page 102.

Bluetooth® (if equipped)

This menu allows configuration of the Bluetooth® connectivity. For more information, see page 109.

Reset To Defaults

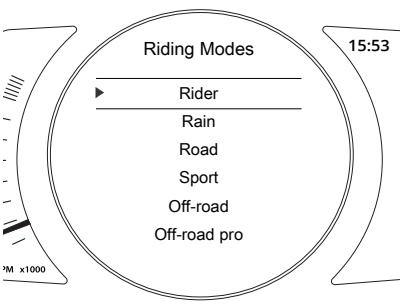
This menu allows all instrument settings to be returned to the default setting. For more information, see page 109.

Riding Modes

The Riding Modes menu allows configuration of the riding modes.

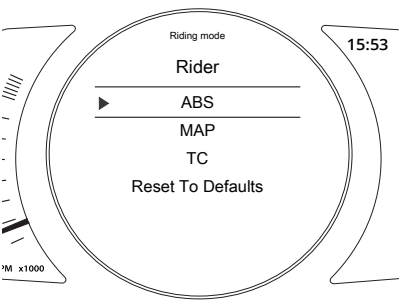
To access the Riding Modes menu:

- From the Main Menu, push the joystick up/down to select Riding Modes and press the joystick center to confirm.
- Push the joystick up/down to select a specific riding mode and press the joystick center to confirm.

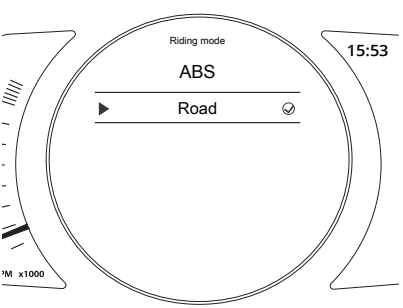


To change the ABS, MAP or Traction Control (TC) settings:

- Push the joystick up/down until the required setting option is selected and press the joystick center to confirm.



- Push the joystick up/down until the required option is selected and press the joystick center to confirm. A tick is shown to indicate the selected option.



Riding Mode Configuration

Riding modes are available depending on the motorcycle model's specification. Refer to the following table for the ABS, MAP and TC settings available for each riding mode.

Riding Mode Configuration Options						
	RIDER 	RAIN 	ROAD 	SPORT 	OFF-ROAD 	OFF-ROAD PRO 
Anti-lock Braking System (ABS)						
Road	●	●	●	●	⊘	⊘
Off-road[1]	⊘	⊘	⊘	⊘	●	○
Off	⊘	⊘	⊘	⊘	⊘	●
MAP (Throttle Response)						
Rain	○	●	○	⊘	○	○
Road	●	○	●	○	○	○
Sport[1]	○	⊘	○	●	○	○
Off-road[1]	○	⊘	⊘	⊘	●	●
Traction Control (TC)						
Rain	○	●	○	⊘	⊘	⊘
Road	●	○	●	○	⊘	⊘
Sport[1]	○	⊘	○	●	⊘	⊘
Off-road[1]	○	⊘	⊘	⊘	●	○
Off	○	■	■	■	○	●

Key	
● = Standard (Factory Default Setting)	⊘ = Option Not Available
○ = Selectable Option	■ = Option Via Menu
[1] = Model Specific	

ABS Settings

⚠ WARNING

The Off-Road ABS option is not intended for use with normal, on-road riding.

Use of the rear brake pedal in this situation can cause the rear wheel to lock under heavy braking.

Riding on the road with the ABS set to Off-Road can cause instability when braking and may lead to loss of motorcycle control which could result in serious injury or death.

⚠ WARNING

If the ABS is disabled, the brake system will function as a non-ABS braking system.

Braking too hard while ABS is off will cause the wheels to lock.

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

ABS Settings Descriptions	
Road and Sport	Optimal ABS setting for road use.
Rain	Optimal ABS setting for rain use.
Off-Road	Front ABS is less intrusive. Rear ABS is disabled. Optimized cornering ABS is disabled.
Off-Road Pro	Front ABS is disabled. Rear ABS is disabled. Optimized cornering ABS is disabled. The ABS warning light will be illuminated.

MAP Settings

MAP Settings Descriptions	
Road	Standard throttle response.
Rain	Reduced throttle response when compared to the Road setting for wet or slippery conditions.
Sport	Increased throttle response when compared to the Road setting.
Off-Road	Optimal throttle response setting for off-road use.

Traction Control Settings

⚠ WARNING

The Off-Road traction control option is not intended for normal, on-road riding.

Riding on the road with traction control set to Off-Road can produce instability under acceleration due to the increased amount of rear wheel slip allowed.

Instability caused by rear wheel slip may result in 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

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

Accelerating too hard on wet/slippery road surfaces while traction control is off 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.

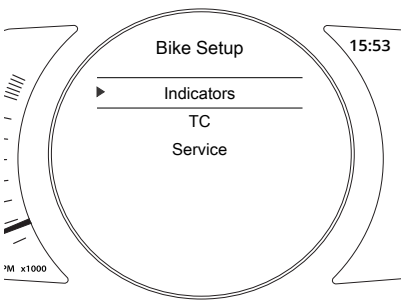
Traction Control Settings Descriptions	
Road	Optimal traction control setting for road use. Allows a small amount of rear wheel slip.
Rain	Optimal traction control setting for wet or slippery conditions. Allows reduced rear wheel slip when compared with the Road setting.
Sport	Allows increased rear wheel slip when compared with the Road setting.
Off-Road	Traction control is set up for off-road use. Allows increased rear wheel slip when compared to the Rain, Road and Sport setting. The traction control indicator light will flash slowly.
Off-Road Pro	Traction control is turned OFF. The traction control disabled warning light will be illuminated.

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, push the joystick up/down to select Bike Setup and press the joystick center to confirm.

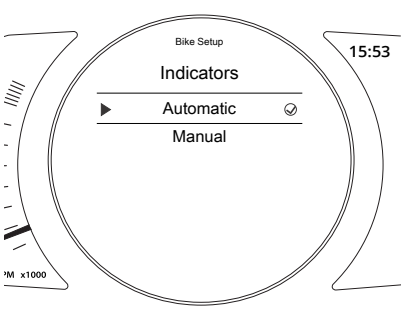


Bike Setup - Turn Signals

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

To select the required turn signals mode:

- From the Bike Setup menu, push the joystick up/down to select Indicators and press the joystick center to confirm.
- Push the joystick up/down 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 joystick center to confirm. A tick is shown to indicate the selected option.

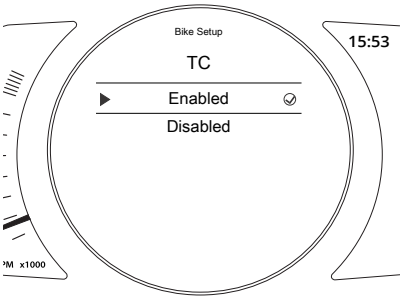


Bike Setup - Traction Control (TC)

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, or if the default riding mode is activated by a long press of the MODE button.

To enable or disable the TC system:

- From the Bike Setup menu, push the joystick up/down to select TC and press the joystick center to confirm.
- Push the joystick up/down to scroll between Enabled or Disabled.
- Press the joystick center to confirm. A tick is shown to indicate the selected option.

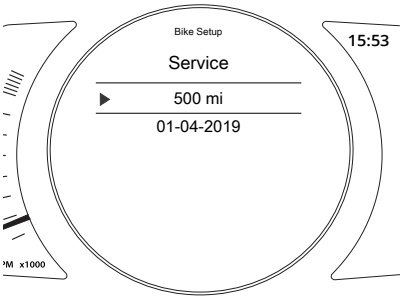


Bike Setup - Service

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

To review the service interval:

- From the Bike Setup menu, push the joystick up/down to select Service and press the joystick center to confirm. The service information is then shown.

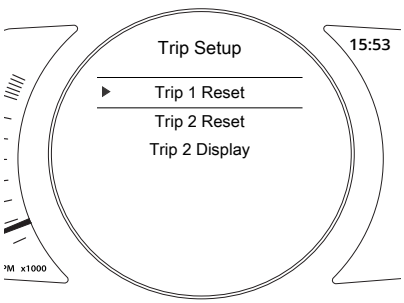


Trip Setup Menu

The Trip Setup menu allows configuration of the trip meters. Each trip meter can be configured to be reset either manually or automatically. The setup procedure is the same for both trip meters.

To access the Trip Setup menu:

- From the Main Menu, push the joystick up/down to select Trip Setup and press the joystick center to confirm.

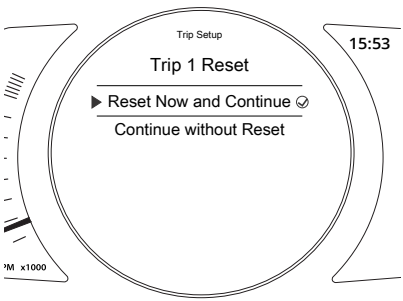


Trip Setup - Manual Reset

This menu allows the manual reset of each trip meter individually.

To set the trip meter to reset manually:

- From the Trip Setup menu, push the joystick up/down to select either Trip 1 Reset or Trip 2 Reset and press the joystick center to confirm.
- Push the joystick up/down to select Manual and press the joystick center to confirm.
- Push the joystick up/down to scroll between the following options:
  - Reset Now and Continue - Resets all trip meter data in the relevant trip meter.
  - Continue without Reset - Any trip meter data in the relevant trip meter will not be reset.
- Press the joystick center to confirm. A tick is shown to indicate the selected option.

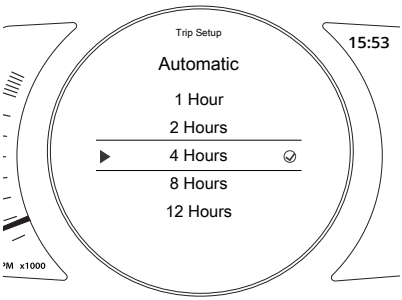


Trip Setup - Automatic Reset

This menu allows the automatic reset of a trip meter after the ignition has been switched off for a set time.

To set the trip meter to reset automatically:

- From the Trip Setup menu, push the joystick up/down to select either Trip 1 Reset or Trip 2 Reset and press the joystick center to confirm.
- Push the joystick up/down to select Automatic and press the joystick center to confirm.
- Push the joystick up/down to scroll between the options.
- Press the joystick center 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.

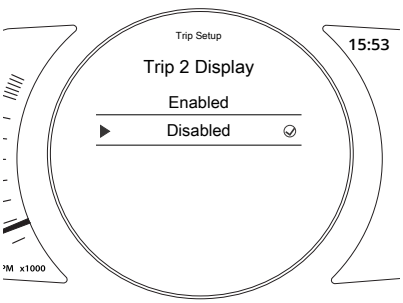
Ignition Turned Off	Selected Time Delay	Trip Meter Resets to Zero
10:30 hrs	4 Hrs	14:30 hrs
18:00 hrs	16 Hrs	10:00 hrs (next day)

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, push the joystick up/down to select Trip 2 Display and press the joystick center to confirm.
- Push the joystick up/down to scroll between Enabled or Disabled.
- Press the joystick center to confirm. A tick is shown to indicate the selected option.

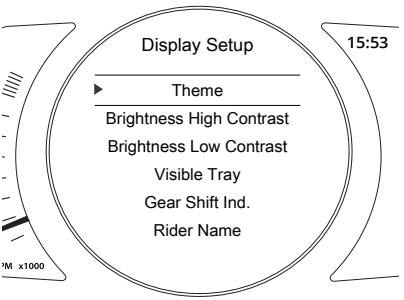


Display Setup Menu

The Display Setup menu allows configuration of the display options.

To access the Display Setup menu:

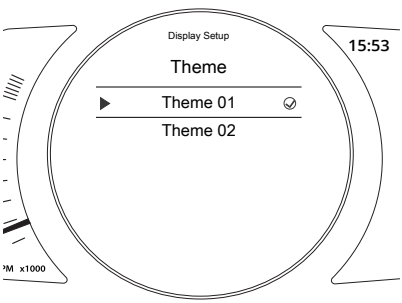
- From the Main Menu, push the joystick up/down to select Display Setup and press the joystick center to confirm.



Display Setup - Theme

To select a different theme, the motorcycle must be stationary with the ignition turned to the ON position.

- From the Display Setup menu, push the joystick up/down to select Theme and press the joystick center to confirm.
- Push the joystick up/down to scroll between the options.
- Press the joystick center to confirm. A tick is shown to indicate the selected option.



The new theme will be shown and saved. Press the HOME button to exit.

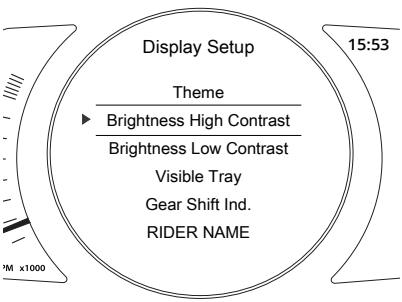
Display Setup - Brightness

The brightness feature allows the screen's brightness contrast to be changed for daytime and nighttime riding. In bright sunlight, the brightness settings will adapt to make sure that the instruments can be viewed at all times.

There are two brightness options to choose from; High Contrast and Low Contrast.

To change the brightness level:

- From the Display Setup menu, push the joystick up/down to select Brightness (High Contrast) or Brightness (Low Contrast) and press the joystick center to confirm.



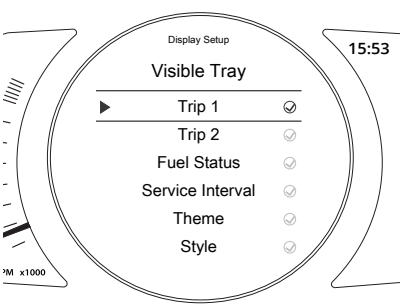
- Push the joystick up/down to adjust the brightness.
- Press the joystick center to confirm the required level of brightness.
- Press the HOME button to return to the main display.

Display Setup - Visible Tray

The Visible Tray feature allows the selection of required information tray items to be shown in the instrument panel display.

To select the Visible Tray menu:

- From the Display Setup menu, push the joystick up/down to select Visible Tray and press the joystick center to confirm.
- Push the joystick up/down until the required information tray item is selected.
- Press the joystick center to select/deselect an information tray item.



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

Display Setup - Gear Shift Ind.

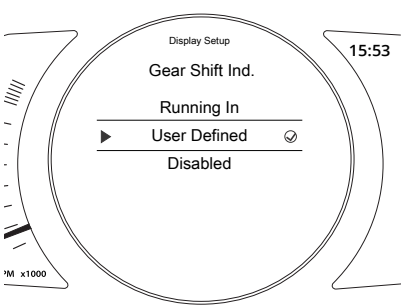
This menu allows the adjustment of the gear shift indicator.

The gear shift indicator changes the tachometer color to orange when the specified engine speed threshold is reached, indicating to shift gear.

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 Gear Shift Ind. menu, push the joystick up/down to select User Defined and press the joystick center to confirm.



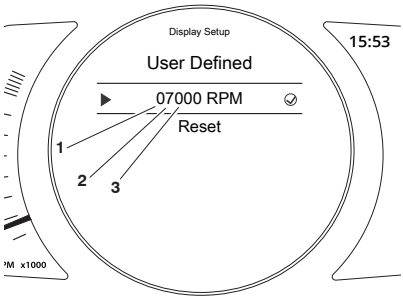
NOTICE

Only the first three numbers of the RPM speed can be selected.

- Push the joystick left/right to select the first individual number.
  - Press the joystick center to confirm.
  - Push the joystick up/down to change the RPM to 4000 or 7000 RPM.
  - Press the joystick center to confirm.
- Push the joystick left/right to select the second individual number.
  - Press the joystick center to confirm.
  - Push the joystick up/down to change the number 7 down to 6, 5 or 4.
- Push the joystick left/right to select the third individual number.
  - Press the joystick center to confirm.
  - Push the joystick up/down to change the number from 0 to 9.

To reset the gear shift indicator:

- Push the joystick up/down to select Reset and press the joystick center to confirm. This resets the RPM to 07000.



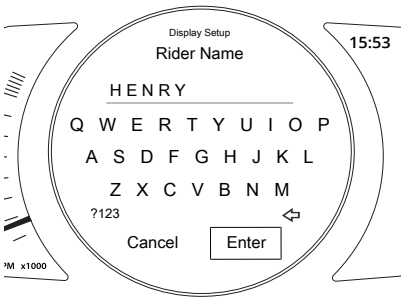
1. **First number**
2. **Second number**
3. **Third number**

Display Setup - Rider Name

This menu allows the rider name to be entered in to the instrument panel system and shown in the welcome/start up display screen.

To enter a rider's name:

- From the Display Setup menu, push the joystick up/down to select Rider Name and press the joystick center to confirm.
- Using the joystick, navigate the keyboard and select the first letter of the rider's name. Press the joystick center to confirm. The letter appears at the top of the keyboard.
- Repeat the procedure until the whole rider name has been selected. There is a character limit of 13 characters.
- Selecting ?123 shows a new keyboard of symbols and numbers to select from.
- Once the rider's name has been completed, select Enter and press the joystick center to confirm.



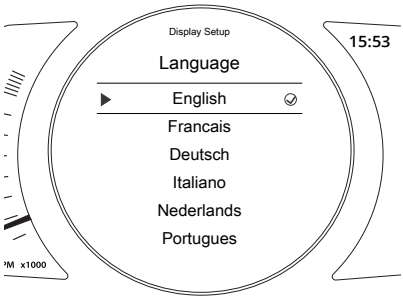
The rider's name will now appear on the welcome screen the next time the instruments are started.

Display Setup - Language

There are several different languages that can be selected to be shown in the instrument display screen.

To select a different language:

- From the Display Setup menu, push the joystick up/down to select Language and press the joystick center to confirm.
- Push the joystick up/down until the required language is selected.
- Press the joystick center to confirm. A tick is shown to indicate the selected option.

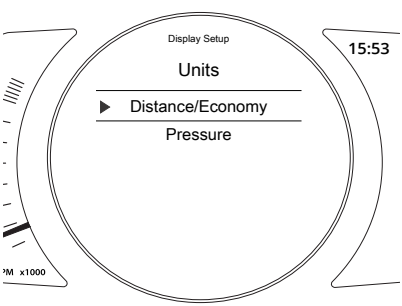


Display Setup - Units

There are different units of measurement options that can be shown in the display screen.

To select the required units of measurement:

- From the Display Setup menu, push the joystick up/down to select Units and press the joystick center to confirm.
- Push the joystick up/down to select the required unit.
- Press the joystick center to confirm.



- Push the joystick up/down to select the required unit of measurement.
- Press the joystick center to confirm.

The options available are:

Distance/Economy

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

Pressure

- PSI
- bar
- kPa

Display Setup - Clock

This function allows the adjustment of the clock.

To set the clock:

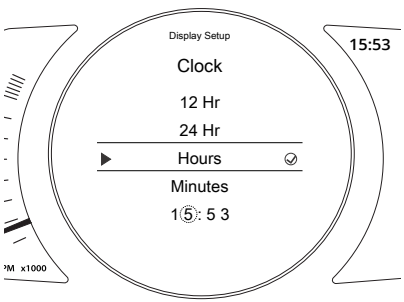
- From the Display Setup menu, push the joystick up/down to select Clock and press the joystick center to confirm.
- Push the joystick up/down to select either 12 Hr or 24 Hr clock and press the joystick center to confirm.

The clock will display in either 12 or 24 hour format. Once the clock format is set, the display will return to the Clock menu.

To set the time, push the joystick up/down to select Hours or Minutes.

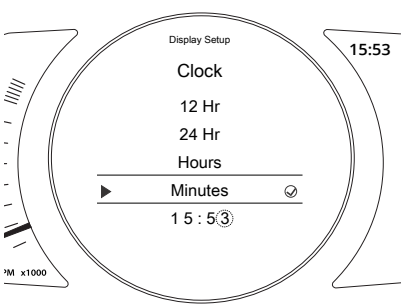
To adjust the hour setting:

- Select Hours and press the joystick center to confirm. A tick will appear next to Hours and the hours display will flash as shown below.
- Push the joystick up/down to set the hour and press the joystick center to confirm.



To adjust the minute setting:

- Select Minutes and press the joystick center to confirm. A tick will appear next to Minutes and the minutes display will flash as shown below.
- Push the joystick up/down to set the minute and press the joystick center to confirm.

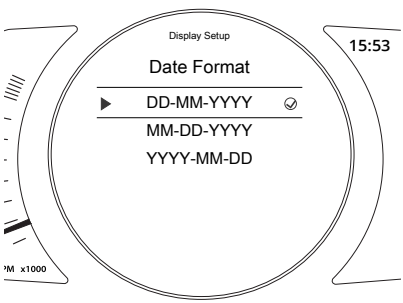


Display Setup - Date

This function allows the adjustment of the date and date format.

To set the date format:

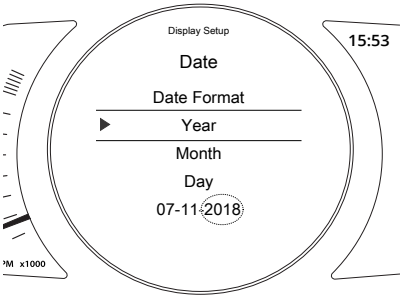
- From the Display Setup menu, push the joystick up/down to select Date and press the joystick center to confirm.
- Push the joystick up/down to select Date Format and press the joystick center to confirm.
- Push the joystick up/down to select the required date format and press the joystick center to confirm. A tick is shown to indicate the selected option.



Once the date format is set, the display will return to the Date menu.

To set the date, push the joystick up/down to select the Year, Month or Day.

- Select Year and press the joystick center to confirm. A tick will appear next to Year and the year display will flash as shown below.
- Push the joystick up/down to set the year and press the joystick center to confirm.



- To set the Month and Day, repeat the procedure used to set the year.

Once the date is set, the display will return to the Date menu.

Bluetooth®

For more information on Bluetooth® features, see the My Triumph Connectivity Handbook.

The My Triumph Connectivity Handbook is also available on the internet at: https://www.triumphinstructions.com.

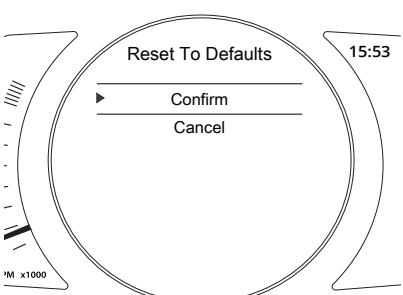
Enter the part number 'A9820200' into the search field to access the handbook.

Reset to Defaults

This function allows the Main Menu items to be reset to the default setting.

To reset the Main Menu display:

- From the Main Menu, push the joystick up/down to select Reset To Defaults and press the joystick center to confirm.
- Push the joystick up/down to select Confirm or Cancel.
  - Confirm - The following Main Menu settings and data will be reset to the factory default values - Riding Modes, Indicator Setup, Trip Computers, Visible Trays, Language, Traction Control, Themes and Display Brightness.
  - Cancel - The Main Menu settings and data will remain unchanged and the display will return to the previous screen.
- Press the joystick center to confirm.



ABS Enable

If the ABS has been disabled when riding in a particular riding mode, it can be enabled again with the motorcycle stationary or moving.

To enable the ABS system when the motorcycle is stationary, do one of the following:

- Turn the ignition OFF and then ON.
- With the ignition ON, press and hold the MODE button for more than one second.

The ABS will be enabled when the motorcycle reaches a speed exceeding 6 mph (10 km/h). The ABS warning light will turn off.

To enable the ABS system when the motorcycle is moving, do the following:

- Press and hold the MODE button for more than one second.

⚠ WARNING

If the ABS is enabled during a braking maneuver by pressing the MODE button, the ABS will become operational. Enabling the ABS during a braking maneuver may change the handling characteristics and the stability of the motorcycle.

Changes to the handling characteristics of the motorcycle during a braking maneuver may result in loss of motorcycle control and an accident.

After riding with the ABS disabled, always make sure that the ABS is enabled before returning to ride on public roads.

Riding with the ABS disabled will, if braking too hard, cause the wheels to lock resulting in loss of motorcycle control which could result in serious injury or death.

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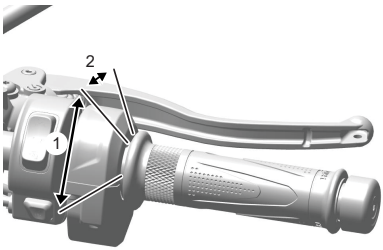
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Controls

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 (Scrambler 1200 X 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.

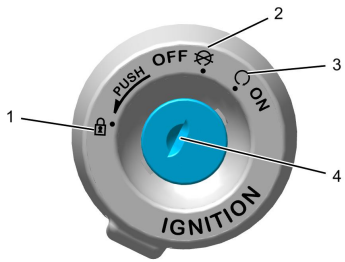
⚠ WARNING

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

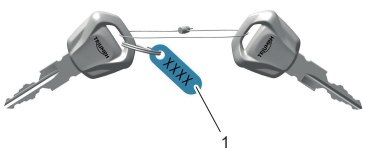
Key functions may be disrupted by electronic devices, environmental electrical noise sources and metal objects.

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 35. 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

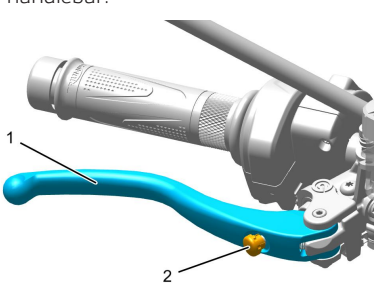
Do not attempt to adjust the levers with the motorcycle in motion as this could lead to loss of motorcycle control.

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.

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 hands.

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



1. **Brake lever (Scrambler 1200 X shown)**
2. **Adjuster screw**

Clutch Lever Adjuster

⚠ WARNING

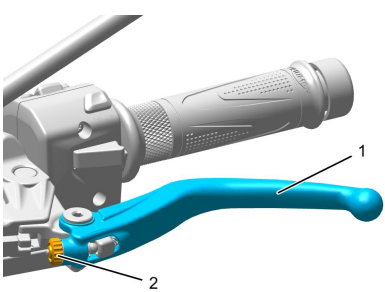
Do not attempt to adjust the levers with the motorcycle in motion as this could lead to loss of motorcycle control.

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.

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 hands.

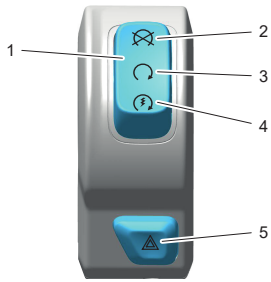
- Turn the adjuster screw clockwise to increase the distance or counterclockwise to shorten the distance from the handlebar.



1. **Clutch lever (Scrambler 1200 X shown)**
2. **Adjuster screw**

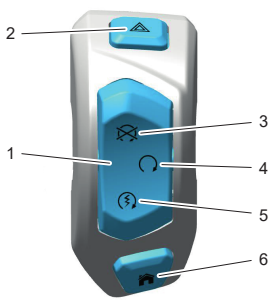
Right Handlebar Switches

Scrambler 1200 X



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

Scrambler 1200 XE



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

STOP Position

NOTICE

Although the engine 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 be activated, but the hazard lights will remain active if the ignition is switched off until the hazard warning light button is pressed again.

HOME Button

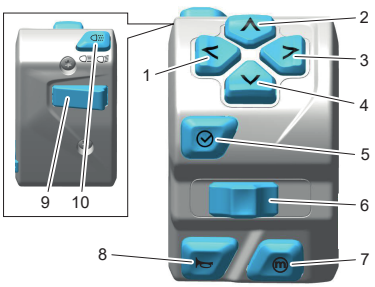
Scrambler 1200 XE Only

The HOME button is used to access the main menu on the instrument display.

Press and release the HOME button to select between the main menu and instrument display.

All messages that appear in the instrument display must be acknowledged by pressing the joystick center before the HOME button can be operated.

Left Handlebar Switches - Scrambler 1200 X



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. **High beam button**
10. **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 Setup menu on the display, refer to page 56.

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 46.

Horn Button

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

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 (DRL) are equipped 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.

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 Daytime Running Lights when dark, in tunnels or where poor ambient light is apparent may reduce the riders' 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 are manually operated. They are not automatic.

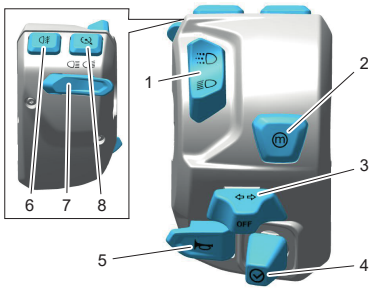
When the ignition is switched ON, the dipped beam headlight will be on.

To turn on the Daytime Running Lights (DRL), press the DRL button.

To turn off the DRL, press the button again.

The DRL indicator light will illuminate in the instrument panel when the daytime running lights are on. When the dipped beam headlight is on, the DRL indicator light will be off.

Left Handlebar Switches - Scrambler 1200 XE



1. **Daytime Running Lights (DRL) switch (if equipped)**
2. **MODE button**
3. **Turn signal switch**
4. **Joystick**
5. **Horn button**
6. **Fog lights button (if equipped)**
7. **High beam button**
8. **Cruise control button**

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 Daytime Running Lights when dark, in tunnels or where poor ambient light is apparent may reduce the riders' 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 are manually operated. They are not automatic.

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

To select daytime running lights, push the dipped beam/DRL switch upwards.

To select dipped beam, push the dipped beam/DRL switch downwards.

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

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 83.

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 Setup menu on the display, refer to page 98.

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.

Joystick

The joystick is 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
- Center - press to confirm selection.

Horn Button

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

Fog Lights Button (if equipped)

NOTICE

The fog lights button will only operate when the dipped beam headlights are on.

The fog lights button will reset to off when the ignition is turned off then on again.

To turn the fog lights on or off, with the headlights on, press and release the fog lights button. When the fog lights are turned on, the fog lights indicator will illuminate in the display.

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 (DRL) are equipped 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.

Cruise Control Button

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

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 127.

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.

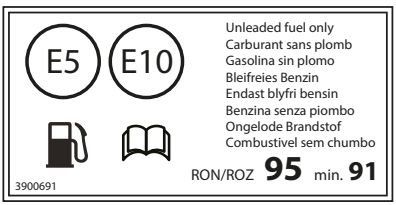
Triumph motorcycles are designed to use unleaded fuel and will give optimum performance if the correct grade of fuel is used.

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.

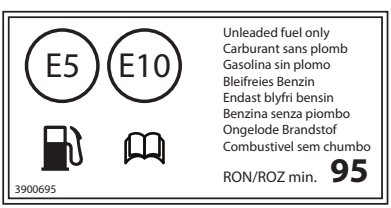
In North America, federal regulations require that pumps delivering unleaded gasoline are marked 'UNLEADED' and that the CLC or AKI octane rating is also displayed. These ratings are an average of the RON and the MON.

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

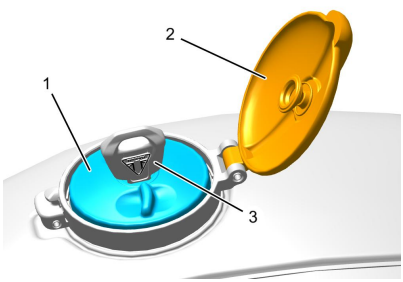
Avoid filling the tank in rainy or dusty conditions where airborne material can contaminate the fuel.

Contaminated fuel may cause damage to fuel system components.

Fuel Tank Cap

To open the fuel tank cap:

- Lift up the cap cover.
- Insert the key into the lock and turn the key clockwise.
- Rotate the cap counterclockwise and lift clear of the tank filler neck.



1. **Fuel tank cap**
2. **Cap cover**
3. **Key**

To close and lock the fuel tank cap:

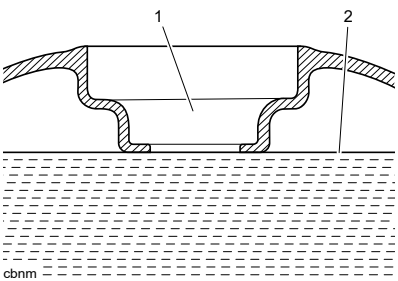
NOTICE

In the fully closed position, a ratchet mechanism prevents overtightening of the cap by allowing the outer part of the cap to turn independently of the internal part.

- Align the cap to the tank filler neck and rotate the cap clockwise until the cap seals against the filler neck.
- Turn the key counterclockwise to lock and remove the key.
- Close the cap cover.

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)

Scrambler 1200 XE Only

⚠ 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.

⚠ 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.

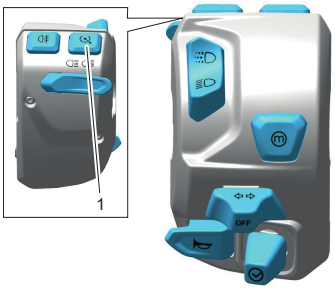
High speed operation in any other circumstances is dangerous and may lead to loss of motorcycle control which could result in serious injury or death.

NOTICE

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

Cruise control will continue to function if a riding mode is selected with ABS set to Off-Road or Off. Cruise control will continue to function if the ABS has been disabled.

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



1. Cruise control button

Cruise control can be switched on or off at any time, but it cannot be activated until all the conditions described on page 129 have been met.

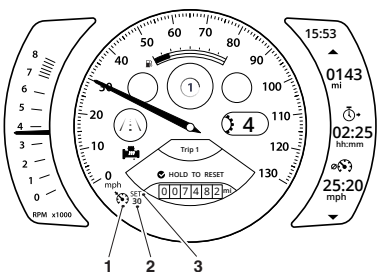
Activating Cruise Control

The following conditions must be met to activate cruise control:

- The motorcycle must be traveling at a speed between 30 to 100 mph (48 to 160 km/h).
- The motorcycle must be in 3rd gear or higher.

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.
- When the required cruising speed is achieved, press the cruise control button again to activate the cruise control.
- The word SET will be shown next to the cruise control symbol. The cruise control set speed will then be shown.



1. **Cruise control symbol**
2. **Cruise control set speed**
3. **Cruise control SET indicator**

The cruise control system will maintain the set speed until cruise control is deactivated as described on page 129.

Deactivating Cruise Control

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.

Upon deactivation, the cruise control symbol will be shown in gray (standby), and the SET indicator and set speed will still be shown in the display screen, indicating that the cruise control set speed has been stored.

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.

OCTC is not active when in Off-Road mode.

NOTICE

Traction control may not always be active depending on the riding mode selected.

Traction control and optimized cornering traction control (if equipped) may not function if there is a malfunction with the ABS system. In this situation, the warning lights for the ABS, traction control and the MIL may be illuminated.

For full details of the TC disabled warning light operation and its associated instrument warning messages, see page 37.

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.

The traction control system can be disabled, as described on page 57 for Scrambler 1200 X and page 99 for Scrambler 1200 XE, or set to the conditions described in Riding Mode Configuration on page 53 for Scrambler 1200 X and page 95 for Scrambler 1200 XE.

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.

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 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

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.

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.

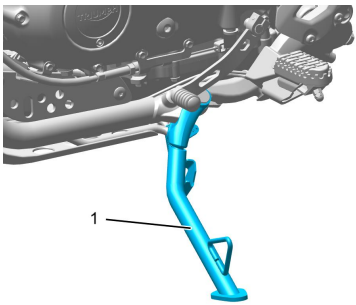
⚠ CAUTION

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 (Scrambler 1200 X 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, refer to the 'How to Ride the Motorcycle' section.

Seats

Seat Care

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.

For seat cleaning information, see page 235.

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.

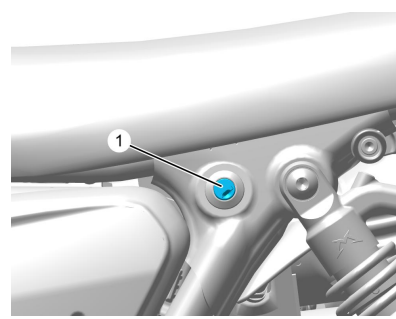
A loose or detached seat may lead to loss of motorcycle control which could result in serious injury or death.

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 (Scrambler 1200 X shown)**

The seat can be removed to gain access to the storage area and battery.

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.

- 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.

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.

- Engage the seat tongue under the fuel tank.

NOTICE

An audible click can be heard when the seat is correctly engaged in the lock.

- Press firmly down at the rear of the seat to engage the 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.

- Grasp the seat making sure that it is securely retained.

Seat Storage

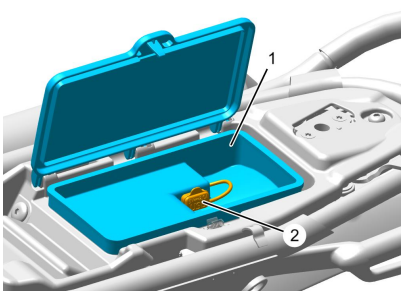
NOTICE

Loose and unsecured items in the storage compartment may get damaged or cause damage to the motorcycle.

Make sure there is sufficient space surrounding any electronic devices or other items for the seat to close without causing any damage to the items or the motorcycle.

Secure all electronic devices, cables and any other items safely in the storage compartment before riding.

There is a small storage compartment located on the storage tray underneath the seat.



1. **Storage compartment**
2. **USB socket**

The seat storage compartment may be used to store electrical devices when using the Universal Serial Bus (USB) socket, and small items when riding.

Side Panels

Side Panels - Removal

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

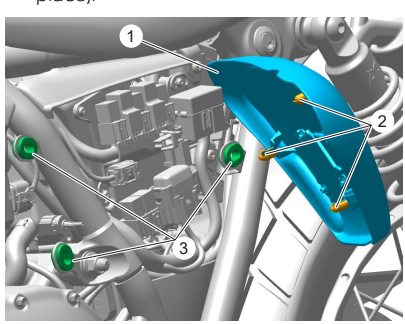
Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

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

The left hand side panel can be removed to gain access to the fuse boxes and 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**
2. **Spigots**
3. **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.

NOTICE

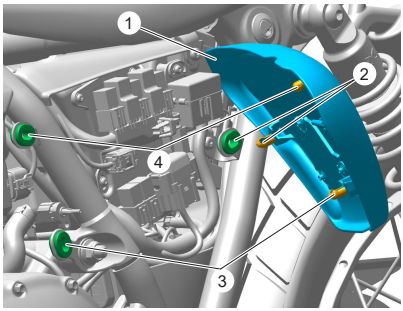
Before mounting the side panel, make sure the spigots and grommets are clean, and free from lubricant or grease.

Lubricant or grease on the spigots or grommets may cause the side panel to become loose while riding the motorcycle.

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**
2. **Rear spigot and grommet**
3. **Front lower spigot and grommet**
4. **Front upper spigot and grommet**

Owner's Handbook and Tool Kit

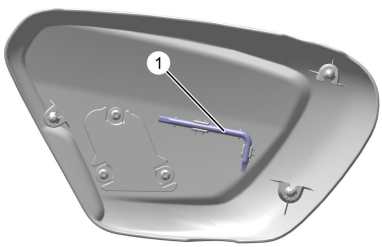
Owner's Handbook/Quick Start Guide

The Owner's Handbook or Quick Start Guide is supplied with the motorcycle.

Tool Kit

The tool kit consists of an adjustment tool.

The adjustment tool is attached to the inside of the left hand side panel.



1. **Adjustment tool (Scrambler 1200 X shown)**

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

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

Always make sure that all electronic devices and adapter cables are safely secured under the seat when riding.

Always make sure there is sufficient space surrounding any electronic devices for the seat to close without causing any damage to electronic devices, adapter cables or the motorcycle.

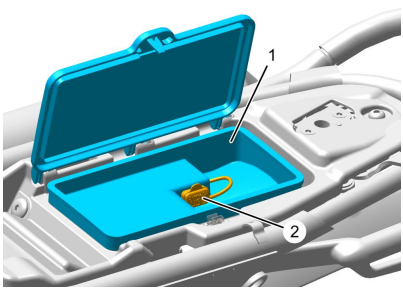
NOTICE

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 five Volt USB connection for charging electronic devices such as mobile phones, cameras and GPS devices. Loads up to two Amps can be connected to the USB socket.

The USB socket is located in the storage compartment.

- Remove the seat, see page 136.
- Push to open the storage compartment lid.
- Remove the cap from the USB socket.



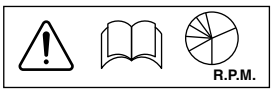
1. **Storage compartment**
2. **USB socket**

NOTICE

Adapter cables are not supplied with the motorcycle.

- Plug the relevant USB adapter cable into the socket.
- Always reinstall the cap when disconnecting the adapter cable.

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 124).

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 172).

Drive Chain: Correct adjustment (see page 184).

Tires/Wheels: Correct inflation pressures (when cold). Tread depth/wear, tire/wheel damage, loose/broken spokes, punctures etc. (see page 211).

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 200).

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 190).

Brake Pads: Check that the correct amount of friction material is remaining on all the brake pads (see page 191 and page 192).

Brake Fluid Levels: No brake fluid leakage. Brake fluid levels must be between the MAX and MIN marks on both reservoirs (see page 193).

Front Forks: Smooth action. No fork oil leakage (see page 204).

Throttle: Make sure that the throttle grip returns to the idle position without sticking (see page 182).

Clutch: Smooth operation and correct cable free play (see page 182).

Coolant: No coolant leakage. Check the coolant level in the expansion tank (when the engine is cold) (see page 178).

Electrical Equipment: All lights and the horn function correctly (see page 119 and page 122).

Engine Stop: Engine start/stop switch turns the engine OFF when the switch is moved to the STOP position (see page 118).

Stands: Returns to the fully up position by spring tension. Return springs not weak or damaged (see page 135).

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Stopping the Engine

⚠ WARNING

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

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

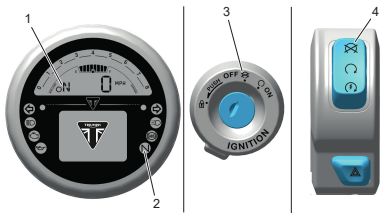
Stopping the engine by turning off the ignition or engine stop switch while the motorcycle is moving can lock the rear wheel, leading to loss of motorcycle control which could result in serious injury or death.

NOTICE

Although the engine 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.

- Close the throttle completely.
- Select neutral.
- Turn the ignition switch to the OFF position.



1. **Gear position (Scrambler 1200 X shown)**
2. **Neutral indicator light (Scrambler 1200 X shown)**
3. **Ignition switch - OFF position**
4. **Engine start/stop switch - STOP position (Scrambler 1200 X shown)**

- Select first gear.
- Support the motorcycle on a firm, level surface with the side stand.
- 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.

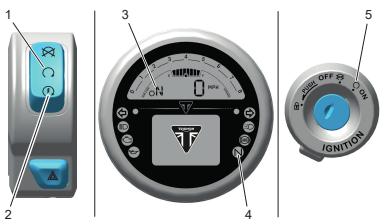
NOTICE

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.

- 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.
- Turn the ignition switch to the ON position.
- Leaving the throttle fully closed, push the starter button until the engine starts.



1. **Engine start/stop switch - RUN position (Scrambler 1200 X shown)**
2. **Engine start/stop switch - START position (Scrambler 1200 X shown)**
3. **Gear position (Scrambler 1200 X shown)**
4. **Neutral indicator light (Scrambler 1200 X shown)**
5. **Ignition switch - ON position**

- 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 the 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).

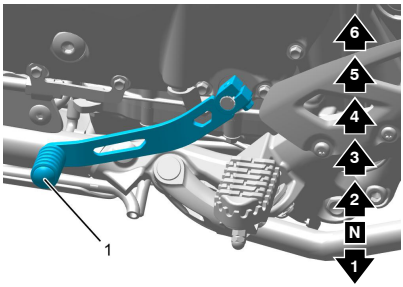
Shifting down should be done such that low engine speeds will be ensured.

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.

- 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 (Scrambler 1200 X shown)

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.

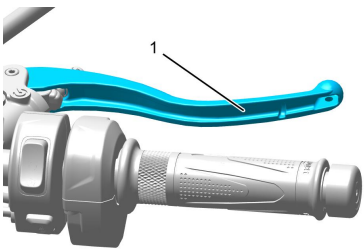
Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

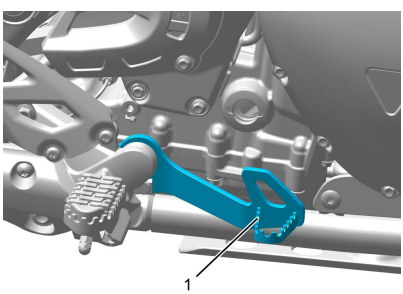
Do not coast with the engine switched off, and do not tow the motorcycle.

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 (Scrambler 1200 X shown)**



1. **Rear brake pedal (Scrambler 1200 X shown)**

Rear Brake Pedal Adjustment

Scrambler 1200 XE Only

⚠ CAUTION

The rear brake pedal may require pressure to be applied to adjust it.

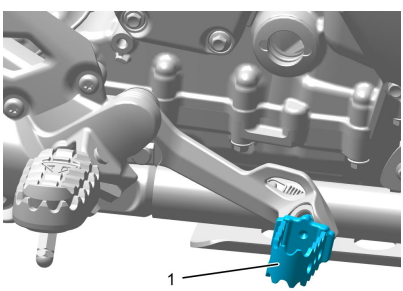
The rear brake pedal has sharp edges that may cause injury to the hands and fingers when applying pressure to adjust it.

When adjusting the rear brake pedal, wear suitable gloves to avoid injury to the hands and fingers.

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

The rear brake pedal is height adjustable.

- Lift the rear brake pedal up and rotate it 180°. This will adjust the height by +/- 0.4 in (+/- 10 mm).



1. **Rear brake pedal**

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.

⚠ WARNING

After riding off-road with ABS disabled, always make sure that the ABS is enabled when returning to ride on public roads.

Riding on public roads with the ABS disabled will, if braking too hard, cause the wheels to lock.

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.

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. 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 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 there is a fault with the ABS system, the warning light will be illuminated and the general warning symbol will flash.

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 optimized cornering ABS may require a longer stopping distance than an equivalent motorcycle without ABS, or an equivalent motorcycle equipped with ABS but not equipped with optimized cornering ABS.

If the motorcycle is leaning in a corner and the ABS is activated, the optimized cornering ABS will use the lean angle measurement from a sensor to apply the ABS to assist the rider to maintain motorcycle control.

The optimized cornering ABS 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 optimized cornering ABS 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.

- The ABS has not been disabled by the rider.

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 optimized cornering braking system 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.

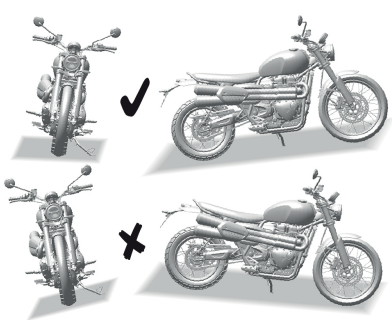
Touching any part of the engine or exhaust system when hot could result in minor to moderate injury.

⚠ 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.



Scrambler 1200 X 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.

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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 Fitting Instruction, as this may affect handling, stability or other aspects of the motorcycle 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 which 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 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

If the passenger seat or luggage rack (if equipped) is used to carry small objects, they must not exceed a total maximum weight of 6.6 lbs (3 kg), must not impair control of the motorcycle, must be securely attached and must not extend beyond the rear or sides of the motorcycle.

Even if small objects are correctly loaded onto the passenger seat or luggage rack (if equipped), the maximum speed of the motorcycle must be reduced to 80 mph (130 km/h).

Carrying objects in excess of 6.6 lbs (3 kg) in weight, that are insecure, impair control or extend beyond the rear or sides of the motorcycle 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 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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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.

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.

MAINTENANCE AND ADJUSTMENT

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

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	•	•	•	•	•	•
Coolant - replace - every 3 years, regardless of mileage*	Every three years, regardless of mileage					
Cooling system - check coolant hoses for chafing, cracks, pinching or damage. Replace if necessary*				•	•	
Engine						
Clutch - check operation	•	•	•	•	•	•
Clutch cable - check function and adjust/replace as necessary (models equipped with a cable clutch only)*		•	•	•	•	•
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			•	•	•	•
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	•	•	•	•	•	•
Autoscan - carry out a full Autoscan using the Triumph diagnostic tool (print a customer copy)		•	•	•	•	•
Instruments and engine ECM - check for latest calibration download using the Triumph diagnostic tool		•	•	•	•	•
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.

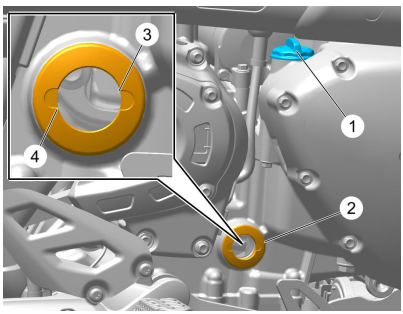
If the low oil pressure indicator remains on, stop the engine immediately and investigate the situation.

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 (Scrambler 1200 X 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.

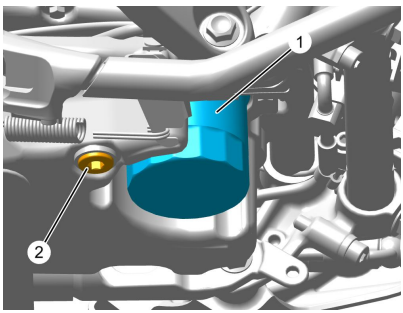
To avoid skin damage, always allow the hot parts to cool before touching the exhaust system.

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.
- Unscrew and remove the engine oil filter using Triumph service tool T3880313. 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 (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 (18 lbf ft (25 Nm)).



1. **Engine oil filter (Scrambler 1200 X 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 which 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)

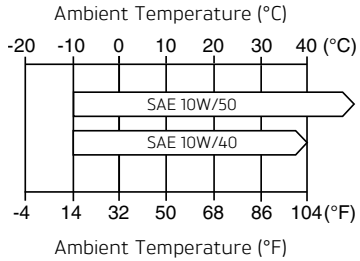
NOTICE

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 which 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.

⚠ WARNING Continued

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 inhibitor 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

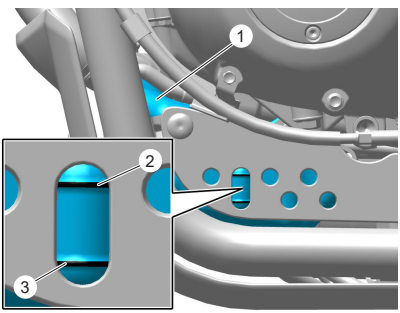
Refer to the Service Manual for the detailed procedures on how to check the coolant level in the radiator, see page 04.

NOTICE

The coolant level should be checked when the engine is cold (at room or ambient temperature).

The expansion tank can be viewed from the left hand side of the motorcycle, towards the front 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**
2. **MAX mark**
3. **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.

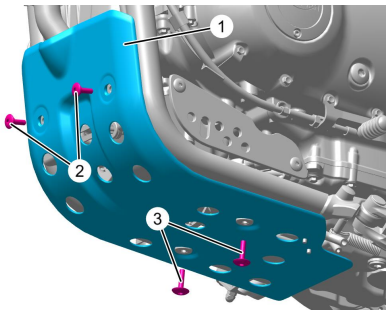
Contact with this hot, pressurized coolant may cause minor to moderate injury to exposed skin.

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.

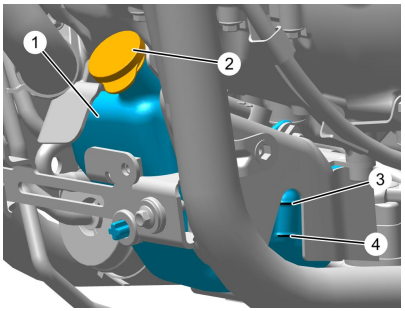
- Remove the two front fasteners. Retain these fasteners for installation.
- Remove the two bottom fasteners and remove the sump guard. Discard these fasteners.



1. **Sump guard (Scrambler 1200 X shown)**
2. **Front fasteners**
3. **Bottom fasteners**

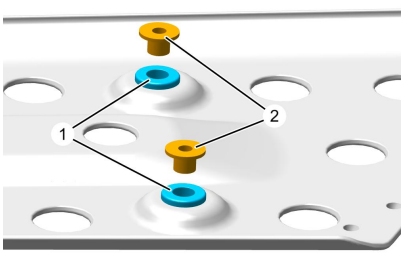
- Allow the engine to cool for a minimum of 30 minutes.
- Remove the expansion tank cap from the expansion tank.
- Add coolant mixture through the filler opening until the level reaches the MAX mark.

- Reinstall the expansion tank cap.



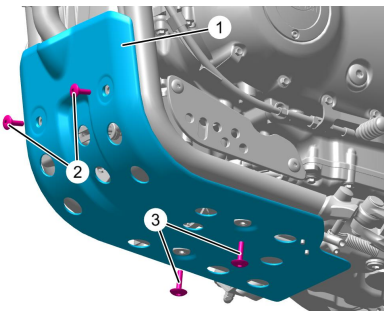
1. **Expansion tank (Scrambler 1200 X shown)**
2. **Expansion tank cap**
3. **MAX mark (sump guard side panel removed for clarity)**
4. **MIN mark**

- With the rubber grommets and flanged sleeves mounted to the sump guard, align the sump guard to the motorcycle and secure with two new bottom fasteners. Do not fully tighten at this stage.



1. **Grommets**
2. **Flanged sleeves**

- Reinstall the two front fasteners and tighten to 27 lbf in (27 lbf in (3 Nm)) for Scrambler 1200 X, and 35 lbf in (35 lbf in (4 Nm)) for Scrambler 1200 XE.
- Tighten the bottom fasteners to 27 lbf in 27 lbf in (3 Nm).



1. **Sump guard (Scrambler 1200 X shown)**
2. **Front fasteners**
3. **Bottom fasteners**

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.

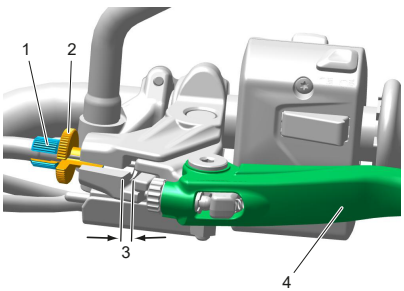
Clutch Inspection

- 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.



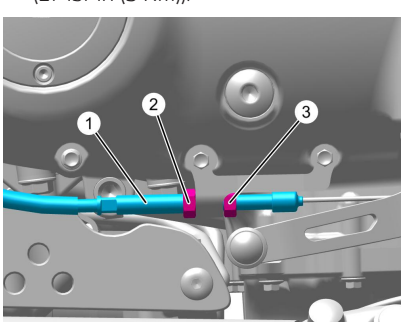
1. **Adjuster sleeve (Scrambler 1200 X shown)**
2. **Adjuster lock nut (fully loosened position shown)**
3. **Correct clearance (0.08 - 0.12 in (0.08 - 0.12 in (2.0 - 3.0 mm)))**
4. **Clutch lever**

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

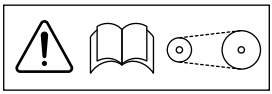
- Loosen the adjuster lock nut at the clutch lever.
- Turn the adjuster sleeve fully into the clutch lever housing, then turn back two complete turns.
- Tighten the adjuster lock nut at the clutch lever.
- If the clutch cable is tight, loosen the front lock nut (2) and tighten the rear lock nut (3) to 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 nut to 27 lbf in (27 lbf in (3 Nm)).



1. **Clutch outer cable (Scrambler 1200 X shown)**
2. **Front lock nut**
3. **Rear lock nut**

Check that there is 0.08 - 0.12 in (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

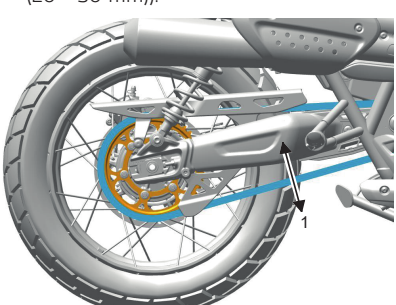
Make sure that the motorcycle is stabilized and adequately supported.

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 (0.79 - 1.18 in (20 - 30 mm)).



1. Maximum movement position (Scrambler 1200 X 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 (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 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.

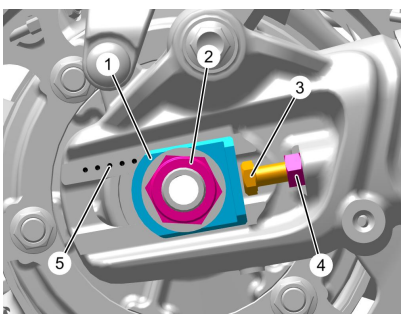
⚠ WARNING

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 (15 lbf ft (20 Nm)) and the rear wheel spindle nut to 18 lbf ft (81 lbf ft (110 Nm)).



1. **Spindle adjuster**
2. **Rear wheel spindle 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 189.

Drive Chain Damage Inspection

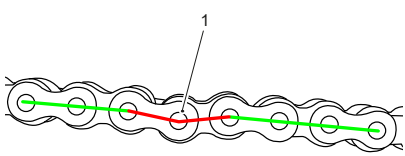
⚠ WARNING

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.

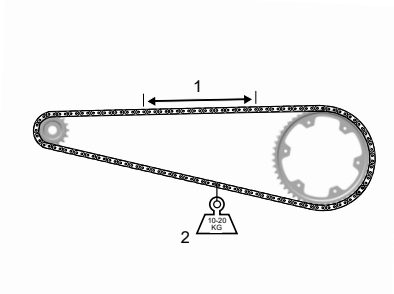


1. **Stiff link**

- 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.

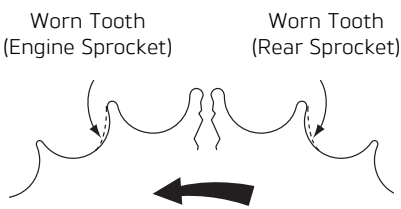
Sprockets Wear Inspection

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 189.

Final Drive Chain Guard - Removal

⚠ WARNING

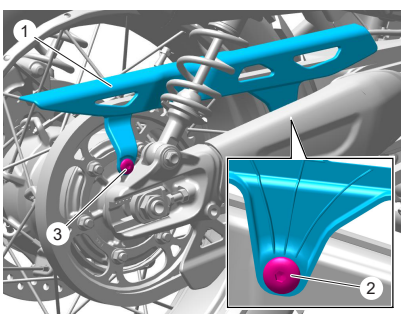
Make sure that the motorcycle is stabilized and adequately supported.

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.

- Loosen the two fasteners and remove the chain guard.



1. **Chain guard (Scrambler 1200 X shown)**
2. **Front fastener (inside edge of swinging arm)**
3. **Rear fastener**

Final Drive Chain Guard - Installation

⚠ WARNING

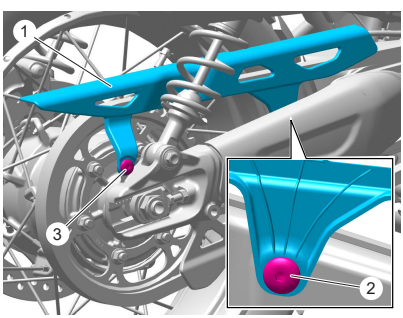
Make sure that the motorcycle is stabilized and adequately supported.

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.

- Install the chain guard and tighten the rear fastener to 71 lbf in (71 lbf in (8 Nm)).
- Tighten the front fastener to35 lbf in (35 lbf in (4 Nm)).



1. **Chain guard (Scrambler 1200 X shown)**
2. **Front fastener (inside edge of swinging arm)**
3. **Rear fastener**

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.

⚠ WARNING

Always inspect the brake pads more frequently if the motorcycle is used off-road.

Brake pad wear will be increased if the motorcycle is used frequently off-road. Replace the brake pads before they become worn to, or beyond the minimum service thickness.

Riding with worn brake pads may reduce braking efficiency, leading 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

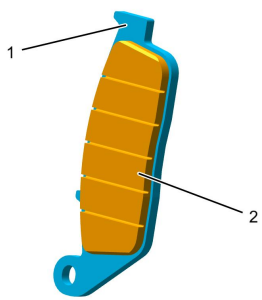
The use of proprietary brands of brake pads is not recommended as these may have a reduced carrier plate thickness when compared with the Triumph genuine parts.

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.

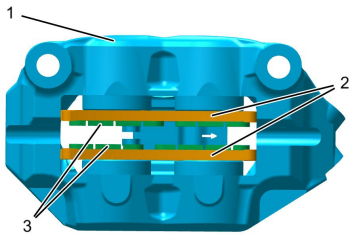
Brake pads must be inspected in accordance with scheduled requirements and replaced if worn to, or beyond, the minimum service thickness.

Scrambler 1200 X



1. **Carrier plate**
2. **Brake pad lining**

Scrambler 1200 XE



1. **Brake caliper**
2. **Carrier plates**
3. **Brake pads**

All Models

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
Scrambler 1200 X	0.04 in (1.0 mm)
Scrambler 1200 XE	0.04 in (1.0 mm)

Rear Brake Wear Inspection

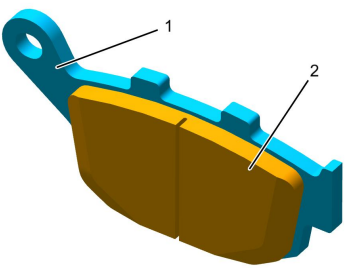
⚠ WARNING

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
Scrambler 1200 X	0.06 in (1.5 mm)
Scrambler 1200 XE	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 which 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 Anti-lock Brake System (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.

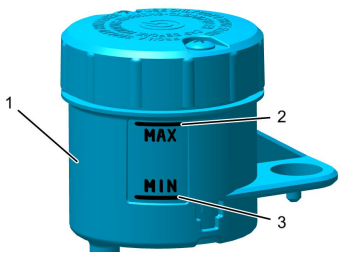
Riding with depleted brake fluid levels, or with a brake fluid leak is dangerous and will cause reduced brake performance.

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.

- 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**

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.

- Loosen the reservoir cap retaining screws and remove the reservoir cap and 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 reservoir cap and the reservoir body.

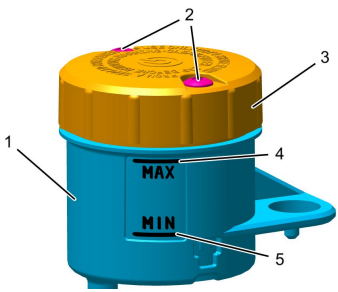
⚠ WARNING

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 lbf in (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**

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.

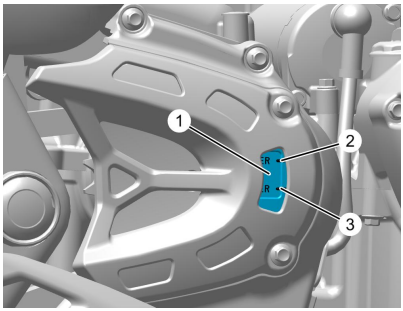
Riding with depleted brake fluid levels, or with a brake fluid leak is dangerous and will cause reduced brake performance.

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 can be viewed from the right hand side of the motorcycle, behind the sprocket cover.

- 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**

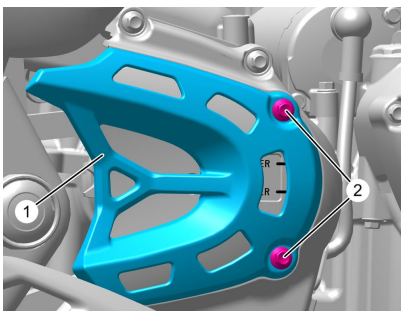
Rear Brake Fluid Level Adjustment

NOTICE

To prevent paint damage, do not spill brake fluid onto any area of the bodywork.

Spilled brake fluid will damage paintwork.

- Loosen the fasteners and remove the sprocket outer cover.

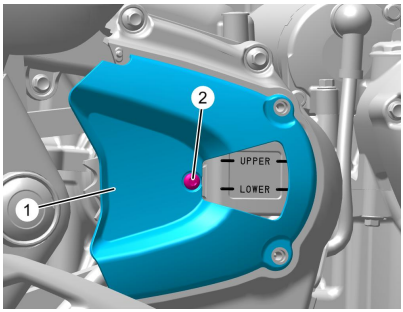


1. **Sprocket outer cover**
2. **Fasteners**

NOTICE

The fastener securing the sprocket middle cover also secures the rear brake fluid reservoir to the sprocket cover.

- Loosen the fastener and remove the sprocket middle cover. Discard the fastener.



1. **Sprocket middle cover**
2. **Fastener**

- Detach the rear brake fluid reservoir from the sprocket cover.
- Loosen the reservoir cap retaining screws and remove the reservoir cap and 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 reservoir cap and the reservoir body.

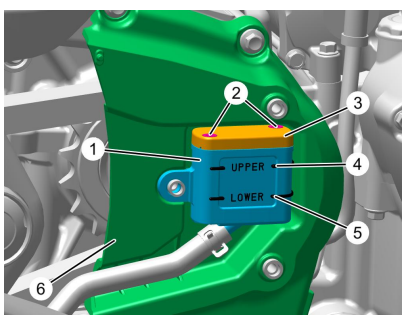
⚠ WARNING

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 13 lbf in (13.3 lbf in (1.5 Nm)).



1. **Rear brake fluid reservoir**
2. **Reservoir cap retaining screws**
3. **Reservoir cap**
4. **UPPER level line**
5. **LOWER level line**
6. **Sprocket cover**

- Reattach the rear brake fluid reservoir to the sprocket cover.
- Reinstall the sprocket middle cover and tighten the new fastener to 27 lbf in (27 lbf in (3 Nm)).
- Reinstall the sprocket outer cover and tighten the fasteners to 80 lbf in (80 lbf in (9 Nm)).

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.

Mirror Adjustment

⚠ WARNING

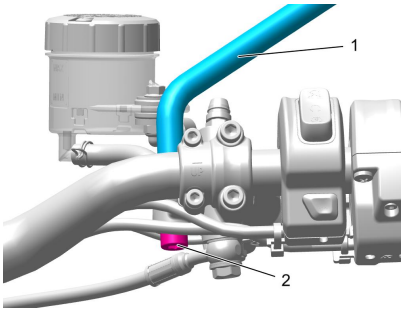
Make sure that the motorcycle is stabilized and adequately supported.

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.

- Loosen the mirror fastener.
- Position the mirror arm to give rear visibility in the riding position and tighten the fastener to 15 lbf ft (15 lbf ft (20 Nm)).



1. **Mirror arm (Scrambler 1200 X shown)**
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.

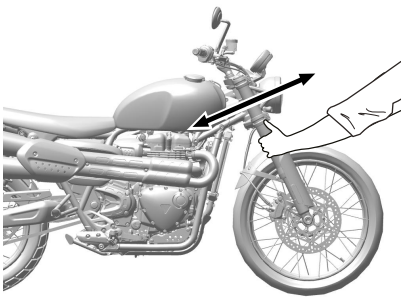
NOTICE

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 (Scrambler 1200 X 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.

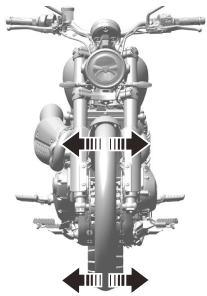
Riding the motorcycle with worn or damaged wheel bearings is dangerous and may lead to loss of motorcycle control which could result in serious injury or death.

NOTICE

If the wheel bearings in the front or rear wheel allow 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 (Scrambler 1200 X 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.

Only the Scrambler 1200 XE 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.

NOTICE

To reduce the wear on the rear suspension spring guides, dirt should be washed from between them after use in dirty or dusty environments.

The rear suspension units on the motorcycle are equipped with plastic spring guides. These guides will gradually wear. If the motorcycle is used in dirty or dusty environments, this wear will be accelerated. The plastic spring guides are a replaceable item and can be replaced by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer. Spring guide wear will not affect suspension performance.

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.

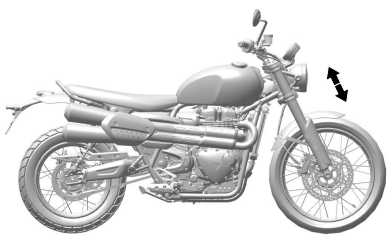
⚠ CAUTION

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 (Scrambler 1200 X 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.

Scrambler 1200 XE Only

Front Suspension Settings			
Loading Condition	**Spring Preload**[1]	**Rebound Damping** [2]	**Compression Damping** [2]
Solo Riding - Standard	Minimum	2	2
Solo Riding - Comfort (Softer)	Minimum	4 (Minimum)	4 (Minimum)
Solo Riding - Sport (Firmer)	Minimum	0.25	0.25
Rider and Passenger with Luggage (not exceeding limits)	Maximum	2	2
Off-Road - Smooth Terrain	Minimum	1	2
Off-Road - Broken Terrain	Minimum	4 (Minimum)	4 (Minimum)

[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 207.

Scrambler 1200 X Only

Rear Suspension Settings	
Loading Condition	**Spring Preload[1]**
Solo Riding - Standard	Minimum
Solo Riding - Comfort (Softer)	Minimum
Solo Riding - Sport (Firmer)	Minimum
Rider and Passenger with Luggage (not exceeding limits)	Maximum
Off-Road - Smooth Terrain	Minimum
Off-Road - Broken Terrain	Minimum
[1] Minimum is the fully counterclockwise position and maximum is the fully clockwise position.	

Scrambler 1200 XE Only

Rear Suspension Settings			
Loading Condition	**Spring Preload[1]**	**Rebound Damping [2]**	**Compression Damping [2]**
Solo Riding - Standard	Minimum	18	15
Solo Riding - Comfort (Softer)	Minimum	25	20
Solo Riding - Sport (Firmer)	Minimum	15	10
Rider and Passenger with Luggage (not exceeding limits)	Maximum	13	8
Off-Road - Smooth Terrain	Minimum	13	10
Off-Road - Broken Terrain	Minimum	18	20
[1] Minimum is the fully counterclockwise position and maximum is the fully clockwise position.			
[2] Number of adjuster clicks counterclockwise from the fully clockwise position, noting that the first stop (click) is counted as one.			

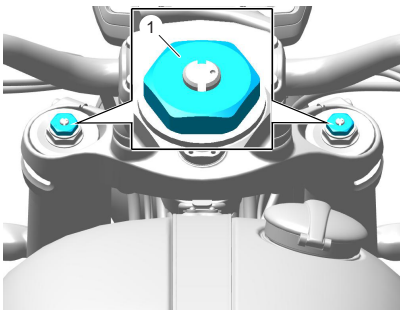
For rear suspension adjustment, see page 208.

Front Suspension Spring Preload Adjustment

Scrambler 1200 XE 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.



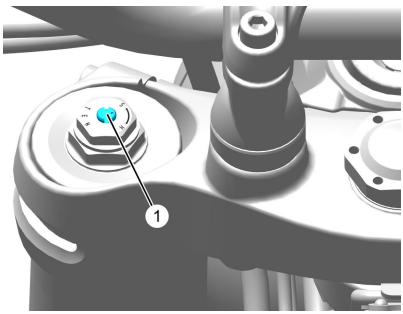
1. Spring preload adjusters

Front Suspension Rebound Damping Adjustment

Scrambler 1200 XE Only

The rebound damping adjuster is located at the top of the left hand fork.

- Turn the TEN slotted adjuster clockwise to increase (H = harder suspension), or counterclockwise to decrease (S = softer suspension) rebound damping.
- Always count the number of adjuster turns counterclockwise from the fully clockwise position.



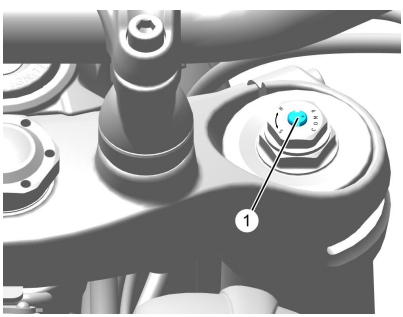
1. Rebound damping adjuster

Front Suspension Compression Damping Adjustment

Scrambler 1200 XE Only

The compression damping adjuster is located at the top of the right hand fork.

- Turn the COMP slotted adjuster clockwise to increase (H = harder suspension), or counterclockwise to decrease (S = softer suspension) compression damping.
- Always count the number of adjuster turns counterclockwise from the fully clockwise position.



1. **Compression damping adjuster**

Rear Suspension Spring Preload Adjustment

NOTICE

It is not necessary to remove the rear suspension unit shroud or muffler to adjust the suspension.

Access to the rear spring preload adjusters are from the rear of the motorcycle, under the seat.

The spring preload adjusters are located at the top of each rear suspension unit.

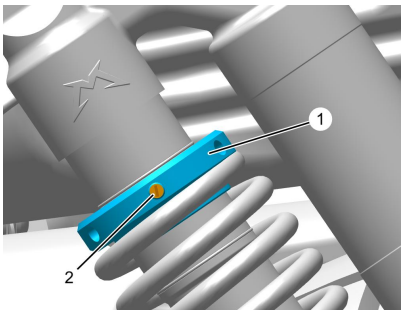
Scrambler 1200 X

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.
- When viewed from above, turn the adjuster ring clockwise to increase, or counterclockwise to decrease spring preload.

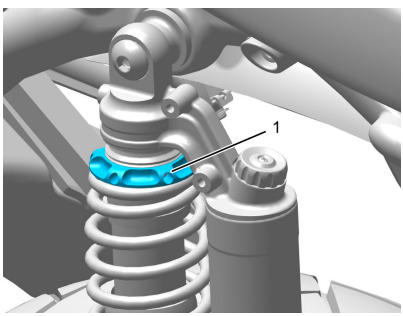
- Carefully tighten the grub screw to 13 lbf in (13 lbf in (1.5 Nm)).



1. **Spring preload adjuster ring (left hand side shown)**
2. **Grub screw**

Scrambler 1200 XE

- When viewed from above, turn the adjuster ring clockwise to increase, or counterclockwise to decrease spring preload.



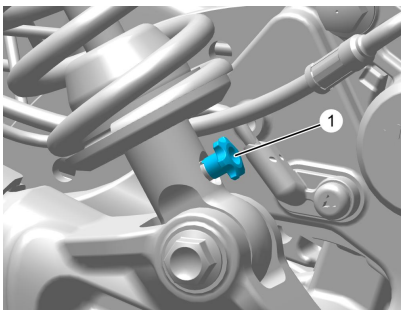
1. **Spring preload adjuster ring (left hand side shown - shroud removed for clarity)**

Rear Suspension Rebound Damping Adjustment

Scrambler 1200 XE Only

The rebound damping adjusters are located at the bottom of each rear suspension unit.

- 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.



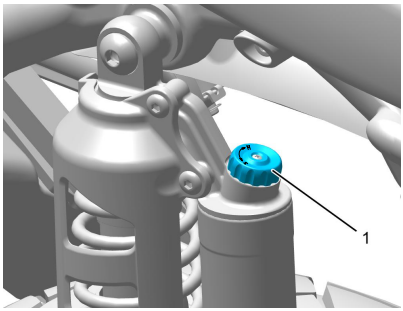
1. **Rebound damping adjuster**

Rear Suspension Compression Damping Adjustment

Scrambler 1200 XE Only

The compression damping adjusters are located at the top of each rear suspension unit.

- Turn the adjuster clockwise to increase (H = harder suspension), or counterclockwise to decrease (S = softer suspension) compression damping.
- Always count the number of adjuster clicks counterclockwise from the fully clockwise position.



1. **Compression damping adjuster**

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.

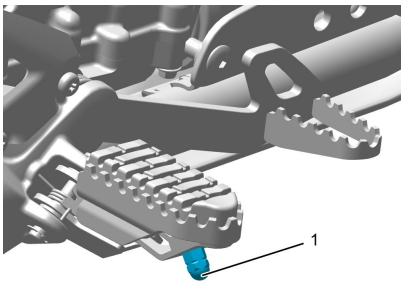
⚠ WARNING

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 (Scrambler 1200 X 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
Scrambler 1200 X	0.2 in (5 mm)
Scrambler 1200 XE	0.59 in (15 mm)

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.

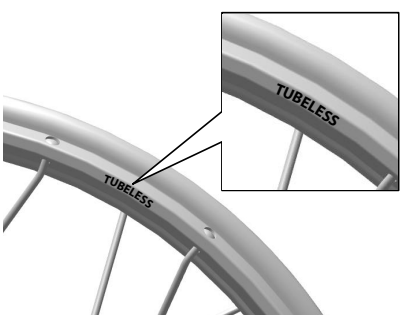
Never install an inner tube inside a tubeless tire without the appropriate marking. This will cause friction inside the tire and the resulting heat build-up may cause the tube to burst resulting in rapid tire deflation.

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

The motorcycle is equipped with spoked wheels, tubeless tires, valves and wheel rims. Use only tires marked 'TUBELESS' and tubeless valves on wheel rims marked 'SUITABLE FOR TUBELESS TYRES'.



Typical Tire Marking - Tubeless Tire



Typical Wheel Marking - Tubeless Tire

Tire Inflation Pressures

⚠ WARNING

Incorrect tire inflation will cause abnormal tread wear and instability problems.

Under inflation may result in the tire slipping on, or coming off the rim. Overinflation will cause instability and accelerated tread wear.

Both conditions are dangerous as they may lead to loss of motorcycle control which could result in serious injury or death.

⚠ WARNING

Tire pressures which 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)

Mud and Snow/Dual Purpose Tires (if equipped)

The use of mud and snow/dual purpose tires may result in reduced motorcycle stability. If the stability or handling characteristics of the motorcycle (equipped with the mud and snow/dual purpose tires) begins to change adversely, then check the tire tread depth. It is recommended that mud and snow/dual purpose tires are replaced earlier than normal tires and before they are worn near to the minimum allowable tread depth, see https://www.triumphmotorcycles.co.uk/owners/your-triumph#tyres.

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 mounted in approved combinations, are used when purchasing replacement items.

The use of non-approved tires or approved tires in non-approved combinations, may lead to motorcycle instability, loss of control and an accident.

A list of approved tires specific to your motorcycle are available from your authorized Triumph dealer, or on the Internet at www.triumph.co.uk.

Tires must be selected in the correct combination, from the approved Tire Selector. Tires must be mounted and balanced according to the tire manufacturer's instructions.

When replacement tires 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 will not produce the same handling characteristics as the worn tires 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 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.triumph.co.uk.

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

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 sustains a puncture, the tire must be replaced.

Operation of the motorcycle with a punctured or repaired tire 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 incorrectly adjusted tire pressures.

Incorrectly seated tires or incorrectly adjusted tire pressures 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

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.triumph.co.uk.

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 or tire resulting in tire deflation.

When wheel balancing is required, such as after tire 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 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 must be replaced after such use as continued use of a damaged tire 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.

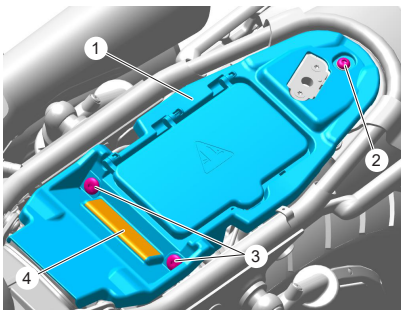
Failure to reset the motorcycle riding modes settings and subsequently being ridden, may cause loss of motorcycle control which could result in serious injury or death.

- Remove the seat, see page 137.

NOTICE

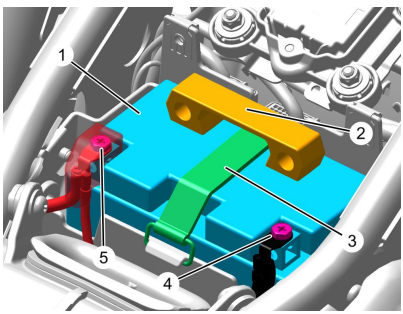
Note that there is a rubber spacer between the storage tray and the battery.

- Loosen the three fasteners and carefully detach the storage tray.
- Position the storage tray to allow access to the battery.



1. **Storage tray (Scrambler 1200 X shown)**
2. **Rear fastener**
3. **Front fasteners**
4. **Rubber spacer location (under storage tray)**

- Disconnect the battery negative (black) lead.
- Slide the positive (+) terminal protective cover to gain access to the fastener.
- Disconnect the battery positive (red) lead.
- Remove the battery strap.



1. **Battery**
2. **Rubber spacer**
3. **Battery strap**
4. **Negative (-) terminal**
5. **Positive (+) terminal**

- Take the battery out of the battery 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.

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.

A connector lead with a DIN plug is also available as an accessory from your 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.

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 electrical accessory socket (if equipped) and a suitable connector lead with DIN plug or the connector lead with ring terminals (supplied with the Triumph recommended battery charger).
  - The connector lead with crocodile clips 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

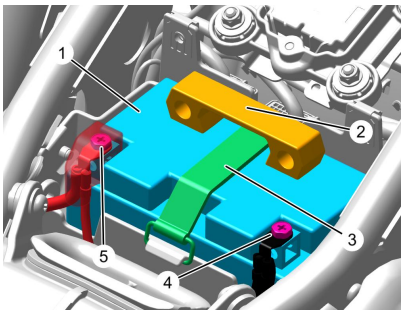
Before disconnecting the battery or removing a fuse for any reason, note and record the riding modes settings.

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.

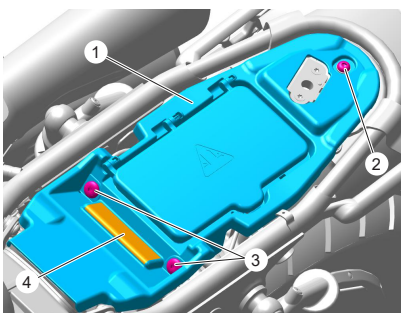
- Place the battery in the battery case.
- Secure the battery into position with the battery strap.
- Apply a light coat of grease to the battery terminals to prevent corrosion.
- Install and tighten the positive (+) terminal fastener to 40 lbf in (40 lbf in (4.5 Nm)).
- Install and tighten the negative (-) terminal fastener to 40 lbf in (40 lbf in (4.5 Nm)).

- Cover the positive (+) terminal with the protective cover.



1. **Battery**
2. **Rubber spacer**
3. **Battery strap**
4. **Negative (-) terminal**
5. **Positive (+) terminal**

- Install the storage tray and tighten the two front fasteners to 44 lbf in (44 lbf in (5 Nm)).
- Tighten the rear fastener to 27 lbf in (27 lbf in (3 Nm)).



1. **Storage tray (Scrambler 1200 X shown)**
2. **Rear fastener**
3. **Front fasteners**
4. **Rubber spacer location (under storage tray)**

- Install the seat, see page 137.

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).

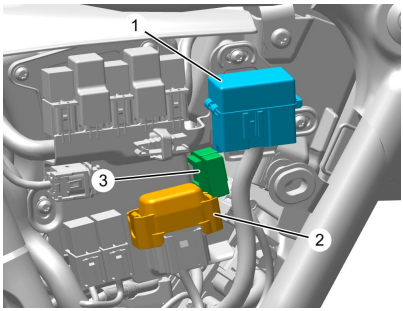
Never replace a blown fuse with a fuse of a different rating.

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.

The fuse boxes are located behind the left hand side panel. To allow access to the fuse boxes, the side panel must be removed, see page 138.



1. **Fuse box 1 (Scrambler 1200 X shown)**
2. **Fuse box 2**
3. **Main fuse (30 Amp)**

Fuse Identification

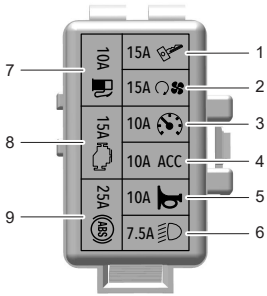
The fuse identification numbers listed in the tables correspond with those printed on the fuse box covers, as shown below.

Spare fuses are located on the inside of the fuse box covers and should be replaced if used.

Main Fuse

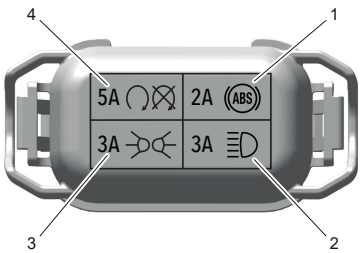
Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - Main fuse	30

Fuse Box 1



Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - Ignition	15
Fuse 2 - Starter motor and cooling fan	15
Fuse 3 - Instruments	10
Fuse 4 - Accessories	10
Fuse 5 - Horn	10
Fuse 6 - Dipped beam	7.5
Fuse 7 - Fuel pump	10
Fuse 8 - Engine Management System (EMS)	15
Fuse 9 - Anti-lock Braking System (ABS)	25

Fuse Box 2



Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - ABS sensors	2
Fuse 2 - Main beam	3
Fuse 3 - Position light	3
Fuse 4 - Engine run/stop	5

Lights

NOTICE

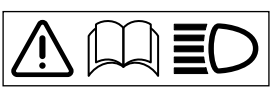
The use of non-approved bulbs may result in damage to lenses and other lighting unit components.

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.

Covering the headlight lens during operation with items of clothing, luggage, adhesive tape, devices intended to alter or adjust the headlight beam or non genuine headlight lens covers 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

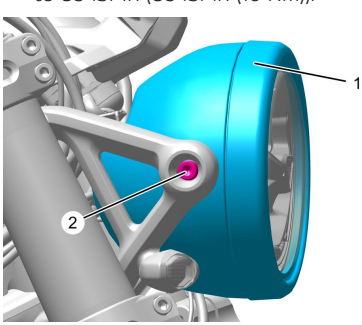
Check and, if necessary, correct the tire pressures before adjusting the headlight beam.

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.

- 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 (89 lbf in (10 Nm)).



1. **Headlight (Scrambler 1200 X shown)**
2. **Headlight mounting bolt (right hand side shown)**

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 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.

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.

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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 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.

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 unsure 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 which 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 containing 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 unsure 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 containing 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

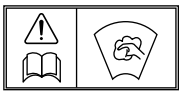
NOTICE

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, etc. 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 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 (9 lbf ft (12 Nm)).
- Change the engine oil and filter (see page 174).
- Check and if necessary correct the tire pressures (see page 255).
- 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 184).
- 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 177).
- 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 221).

- 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 223).
- If the motorcycle has been stored for more than four months, change the engine oil (see page 174).
- 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 (9 lbf ft (12 Nm)), and start the engine.
- Check and if necessary correct the tire pressures (see page 255).
- Check and if necessary adjust the drive chain tension (see page 185).
- Clean the entire vehicle thoroughly.
- Check the brakes for correct operation.
- Test ride the motorcycle at low speeds.

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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.

[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.

WARRANTY

The warranty does not cover:

- Defects caused by incorrect adjustment, repair or modification not authorized by TRIUMPH MOTORCYCLES AMERICA LIMITED.
- 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.

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.

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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Scrambler 1200 X

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.triumph.co.uk.

Payload	Scrambler 1200 X
Maximum payload (rider, passenger, luggage and accessories)	463 lb (210 kg)

Engine	Scrambler 1200 X
Engine configuration	Liquid cooled parallel twin, 270° firing angle
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	11.00:1
Cylinder numbering	Left to right
Cylinder sequence	Number 1 at left
Firing order	1-2
Starting system	Electric starter

Lubrication	Scrambler 1200 X
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 1200 X
Coolant type	Triumph D2053 OAT coolant (premixed)
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	Scrambler 1200 X
Fuel injection system	Multi point 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 1200 X
Fuel type	Unleaded, 91 RON (CLC or AKI octane rating (R+M)/2 of 87 or higher)
Fuel tank capacity	4.23 gallons (16 liters)
Low fuel indicator light	0.71 gallons (2.7 liters)

Ignition	Scrambler 1200 X
Ignition system	Digital electronic
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 1200 X
Transmission type	6 speed, constant mesh
Clutch type	Wet multi-plate
Chain type	DID 525 V11
Number of links	110
Chain length (20 links)	12.56 in (319 mm)
Primary drive ratio	1.26:1 (93/74)
Final drive ratio	2.75:1 (44/16)
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.triumph.co.uk.

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

The use of mud and snow/dual purpose tires will result in reduced motorcycle stability.

Always operate a motorcycle equipped with mud and snow/dual purpose tires at reduced speeds. The permissible maximum speed is 60 mph (100 km/h). This is also shown on a warning sticker on the motorcycle.

Operation of the motorcycle above the permissible maximum speed may lead to loss of motorcycle control which could result in serious injury or death.

Approved Mud and Snow/Dual Purpose Tires
A list of approved road tires and mud and snow/dual purpose tires specific to these models is available from your authorized Triumph dealer, or on the Internet at www.triumph.co.uk.

Tires	Scrambler 1200 X
Tire Sizes:	
Front tire size	90/90-21 54V
Rear tire size	150/70R17 69V
Tire Pressures (Cold):	
Front tire pressure	36 lb/in² (2.5 bar)
Rear tire pressure	42 lb/in² (2.9 bar)

Electrical Equipment	Scrambler 1200 X
Battery type	YTZ10S
Battery rating	12 Volt, 8.6 Ah
Alternator rating (1,000 rpm)	18 Amps at 1,000 rpm
Alternator rating (6,000 rpm)	33 Amps at 6,000 rpm
Headlight	LED
Rear/brake light	LED
License plate light	LED
Turn signal lights	LED

Torque Figures	Scrambler 1200 X
Battery terminal fasteners	40 lbf in (4.5 Nm)
Drive chain guard front fastener	35 lbf in (4 Nm)
Drive chain guard rear fastener	71 lbf in (8 Nm)
Drive chain slack adjuster lock nut	15 lbf ft (20 Nm)
Oil drain plug	18 lbf ft (25 Nm)
Oil filter	89 lbf in (10 Nm)
Rear wheel spindle lock nut	81 lbf ft (110 Nm)
Spark plugs	9 lbf ft (12 Nm)
Storage tray front fasteners	44 lbf in (5 Nm)
Storage tray rear fastener	27 lbf in (3 Nm)

Fluids and Lubricants	Scrambler 1200 X
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 which meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended

Scrambler 1200 XE

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.triumph.co.uk.

Payload	Scrambler 1200 XE
Maximum payload (rider, passenger, luggage and accessories)	463 lb (210 kg)

Engine	Scrambler 1200 XE
Engine configuration	Liquid cooled parallel twin, 270° firing angle
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	11.00:1
Cylinder numbering	Left to right
Cylinder sequence	Number 1 at left
Firing order	1-2
Starting system	Electric starter

Lubrication	Scrambler 1200 XE
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	Scrambler 1200 XE
Coolant type	Triumph D2053 OAT coolant (premixed)
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	Scrambler 1200 XE
Fuel injection system	Multi point 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 1200 XE
Fuel type	Unleaded, 91 RON (CLC or AKI octane rating (R+M)/2 of 87 or higher)
Fuel tank capacity	4.23 gallons (16 liters)
Low fuel indicator light	0.71 gallons (2.7 liters)

Ignition	Scrambler 1200 XE
Ignition system	Digital electronic
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	Scrambler 1200 XE
Transmission type	6 speed, constant mesh
Clutch type	Wet multi-plate
Chain type	DID 525 V11
Number of links	114
Chain length (20 links)	12.56 in (319 mm)
Primary drive ratio	1.26:1 (93/74)
Final drive ratio	2.75:1 (44/16)
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.triumph.co.uk.

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

The use of mud and snow/dual purpose tires will result in reduced motorcycle stability.

Always operate a motorcycle equipped with mud and snow/dual purpose tires at reduced speeds. The permissible maximum speed is 60 mph (100 km/h). This is also shown on a warning sticker on the motorcycle.

Operation of the motorcycle above the permissible maximum speed may lead to loss of motorcycle control which could result in serious injury or death.

SPECIFICATIONS

Approved Mud and Snow/Dual Purpose Tires
A list of approved road tires and mud and snow/dual purpose tires specific to these models is available from your authorized Triumph dealer, or on the Internet at www.triumph.co.uk.

Tires	Scrambler 1200 XE
Tire Sizes:	
Front tire size	90/90-21 54H
Rear tire size	150/70R17 69V
Tire Pressures (Cold):	
Front tire pressure	36 lb/in² (2.5 bar)
Rear tire pressure	42 lb/in² (2.9 bar)

Electrical Equipment	Scrambler 1200 XE
Battery type	YTZ10S
Battery rating	12 Volt, 8.6 Ah
Alternator rating (1,000 rpm)	18 Amps at 1,000 rpm
Alternator rating (6,000 rpm)	33 Amps at 6,000 rpm
Headlight	LED
Rear/brake light	LED
License plate light	LED
Turn signal lights	LED

Torque Figures	Scrambler 1200 XE
Battery terminal fasteners	40 lbf in (4.5 Nm)
Drive chain guard front fastener	35 lbf in (4 Nm)
Drive chain guard rear fastener	71 lbf in (8 Nm)
Drive chain slack adjuster lock nut	15 lbf ft (20 Nm)
Oil drain plug	18 lbf ft (25 Nm)
Oil filter	89 lbf in (10 Nm)
Rear wheel spindle lock nut	81 lbf ft (110 Nm)
Spark plugs	9 lbf ft (12 Nm)
Storage tray front fasteners	44 lbf in (5 Nm)
Storage tray rear fastener	27 lbf in (3 Nm)

Fluids and Lubricants	Scrambler 1200 XE
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 which meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended

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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.