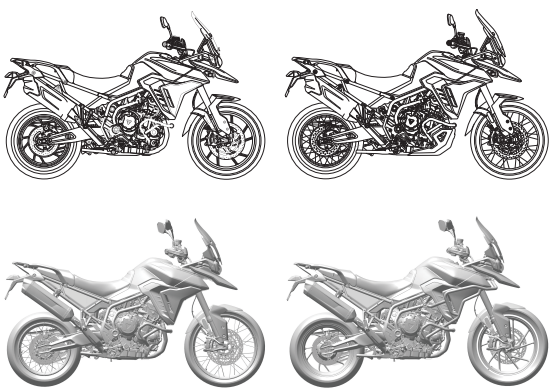
Tiger 900 GT, Tiger 900 GT Pro, Tiger 900 Alpine Edition, Tiger 900 Rally Pro and Tiger 900 Desert Edition



This handbook contains information on the Triumph Tiger 900 GT, Tiger 900 GT Pro, Tiger 900 Alpine Edition, Tiger 900 Rally Pro and Tiger 900 Desert Edition motorcycles. Always store this Owner's Handbook with the motorcycle and refer to it for information whenever necessary.

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

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CONTENTS

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

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

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

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

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The Motorcycle

⚠ WARNING

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

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

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

⚠ 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, 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 that carry official Triumph approval.

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

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

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

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

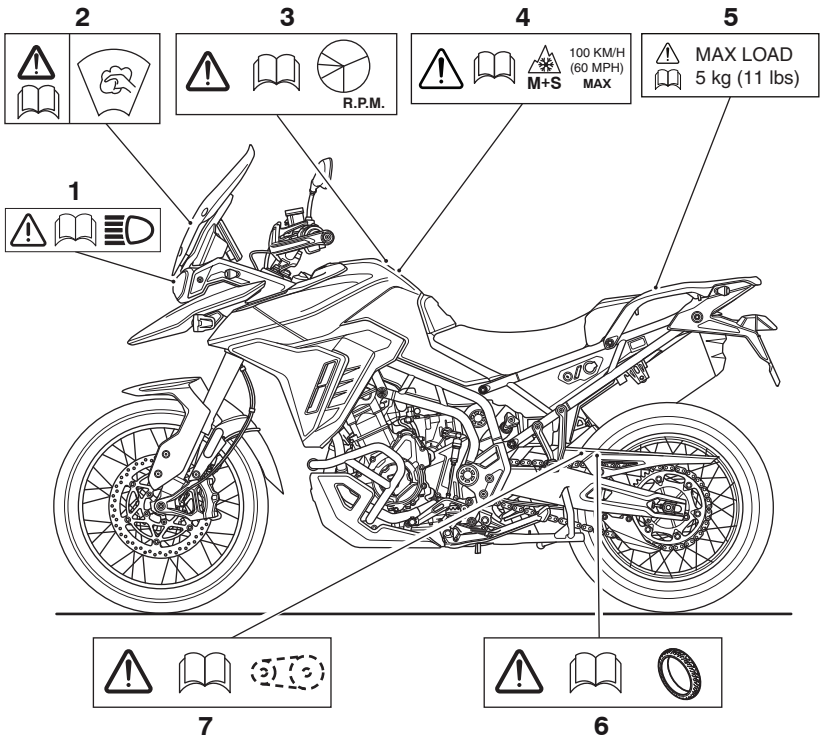
Triumph does not accept any liability whatsoever for defects caused by the incorrect installation of approved parts, accessories or conversions.

WARNING LABELS

Left Hand Side

NOTICE

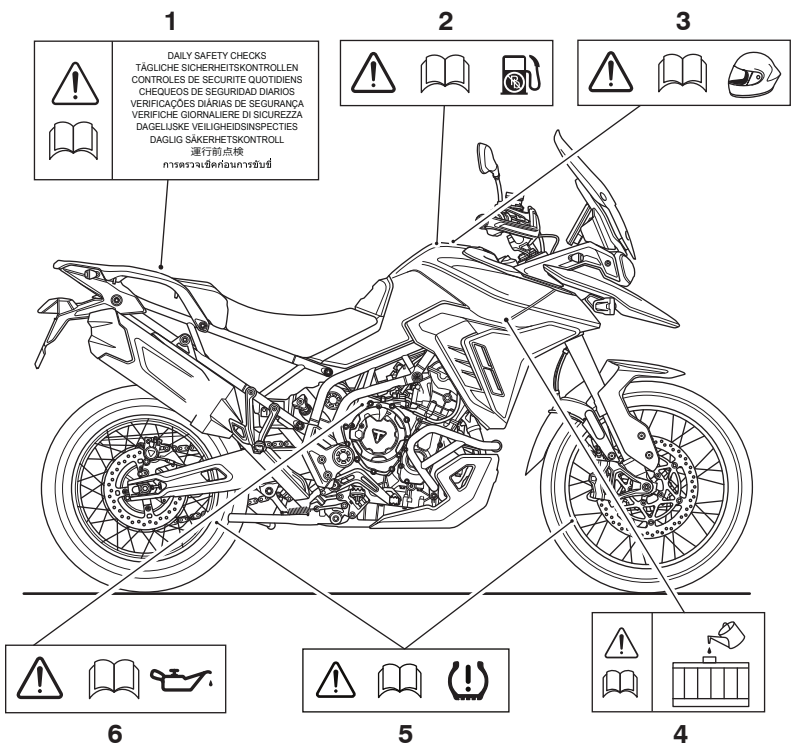
The labels detailed on this and the following pages draw your attention to important safety information in this handbook. Before riding, make sure that you have understood and complied with all the information to which these labels relate.



1. Headlight (page 192)
2. Windshield (page 204)
3. Breaking-In (page 105)
4. Mud and Snow Tires (page 227) (applies to certain option tires only)
5. Panniers (if equipped) (page 125)
6. Tires (page 178)
7. Drive Chain (page 151)

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.

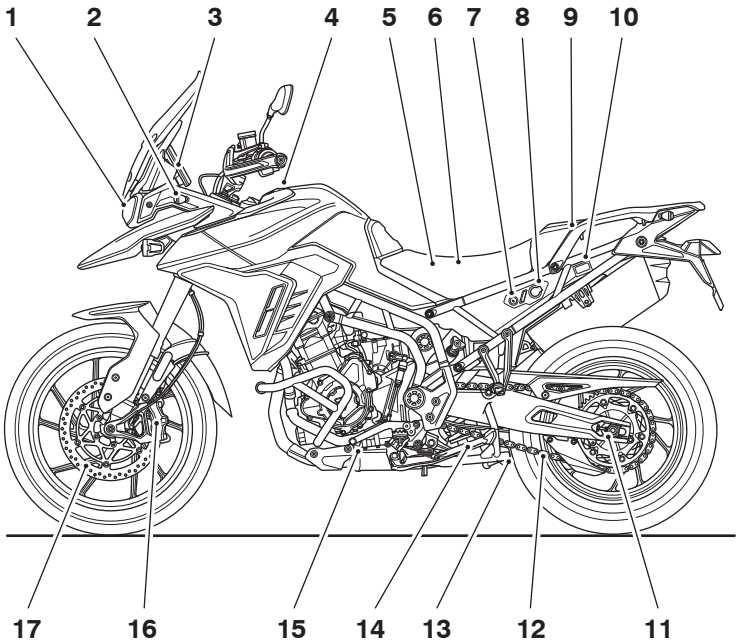


1. Daily Safety Checks (on base of passenger seat (page 106))
2. Unleaded Fuel (page 90)
3. Helmet (page 11)
4. Coolant (page 145 and page 147)
5. Tire Pressure Monitoring System (if equipped) (page 179)
6. Engine Oil (page 138)

PARTS IDENTIFICATION

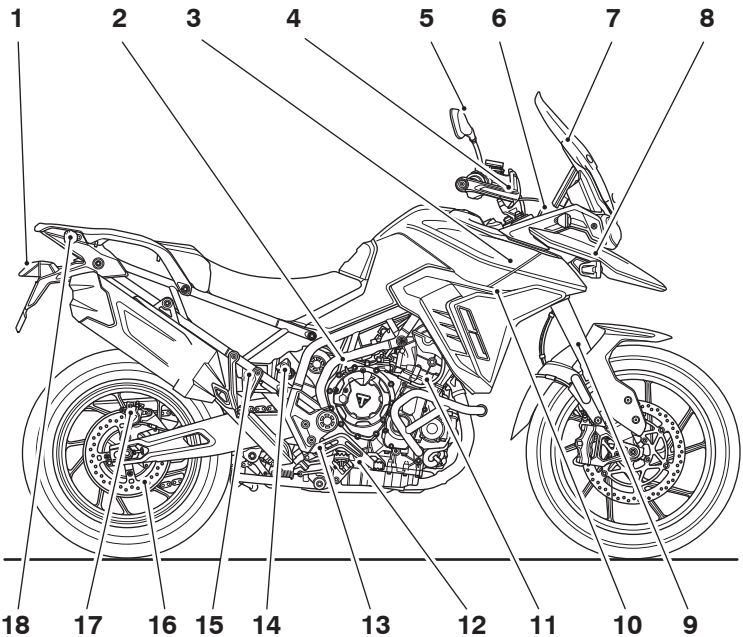
Tiger 900 GT, Tiger 900 GT Pro and Tiger 900 Alpine Edition

Left Hand Side



1. Headlight
2. Front turn signal
3. Electrical accessory socket (front)
4. Fuel tank and fuel filler cap
5. Tool kit (under the rider seat)
6. Battery and fuse boxes (under the rider seat)
7. Seat lock
8. Electrical accessory socket (rear if equipped)
9. USB socket (under the passenger seat)
10. Heated rear seat switch (if equipped)
11. Rear wheel adjuster
12. Drive chain
13. Center stand (if equipped)
14. Side stand
15. Gear shift pedal
16. Front brake caliper
17. Front brake disc
18. Fog Light

Right Hand Side

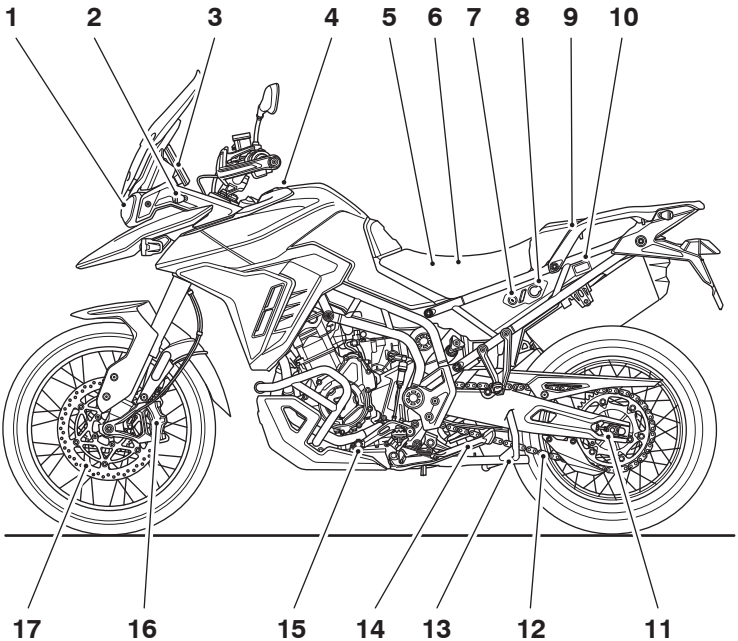


1. Tail light
2. Oil filler cap
3. Coolant expansion tank (under the fuel tank)
4. Handguards (if equipped)
5. Mirror
6. Headlight adjuster
7. Windshield
8. Fog light (if equipped)
9. Front fork
10. Radiator/Coolant pressure cap
11. Clutch cable
12. Engine oil level sight glass
13. Rear brake pedal
14. Rear suspension spring preload adjuster (Tiger 900 GT)
15. Rear brake fluid reservoir
16. Rear brake caliper
17. Rear brake disc
18. Rear turn signal

PARTS IDENTIFICATION

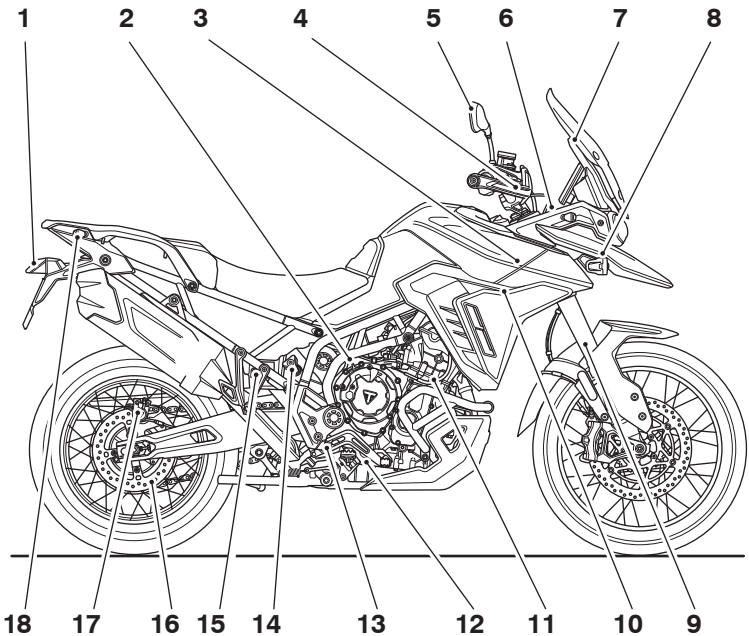
Tiger 900 Rally Pro and Tiger 900 Desert Edition

Left Hand Side



1. Headlight
2. Front turn signal
3. USB C socket
4. Fuel tank and fuel filler cap (under the fuel tank)
5. Tool kit (under the rider seat)
6. Battery and fuse boxes (under the rider seat)
7. Seat lock
8. Electrical accessory socket (rear if equipped)
9. USB socket (under the passenger seat)
10. Heated rear seat switch (if equipped)
11. Rear wheel adjuster
12. Drive chain
13. Center stand (if equipped)
14. Side stand
15. Gear shift pedal
16. Front brake caliper
17. Front brake disc

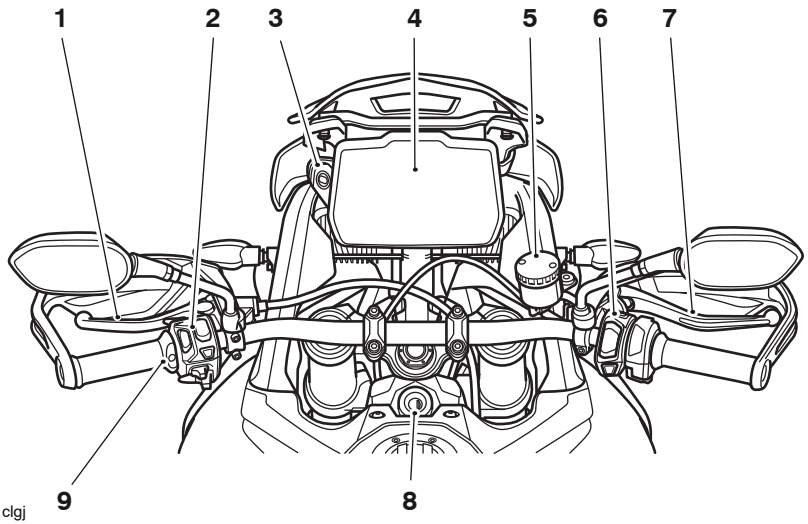
Right Hand Side



1. Tail light
2. Oil filler cap
3. Coolant expansion tank (under the fuel tank)
4. Handguards (if equipped)
5. Mirror
6. Headlight adjuster
7. Windshield
8. Fog light (if equipped)
9. Front fork
10. Radiator/Coolant pressure cap
11. Clutch cable
12. Engine oil level sight glass
13. Rear brake pedal
14. Rear suspension spring preload adjuster
15. Rear brake fluid reservoir
16. Rear brake caliper
17. Rear brake disc
18. Rear turn signal

PARTS IDENTIFICATION

Rider View Parts Identification

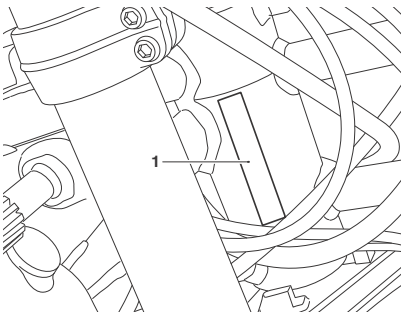


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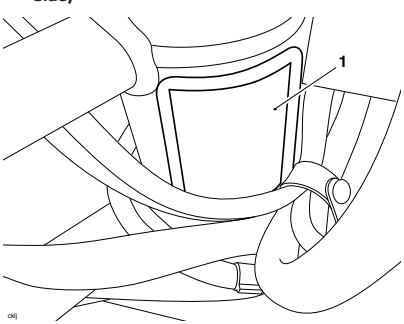
1. Clutch lever
2. Left hand switch housing, see page 73
3. USB C connector
4. Instruments, see page 28
5. Front brake fluid reservoir
6. Right hand switch housing, see page 72
7. Front brake lever
8. Ignition switch
9. Heated grips switch (if equipped)

Vehicle Identification Number (VIN)

The Vehicle Identification Number (VIN) is stamped into the steering head area of the frame. It is also displayed on a label attached to the left hand side of the steering head.



1. Vehicle identification number (right hand side)

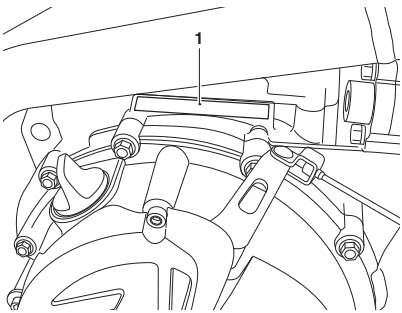


1. Vehicle identification label (left hand side)

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, directly above the clutch cover.



1. Engine serial number

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

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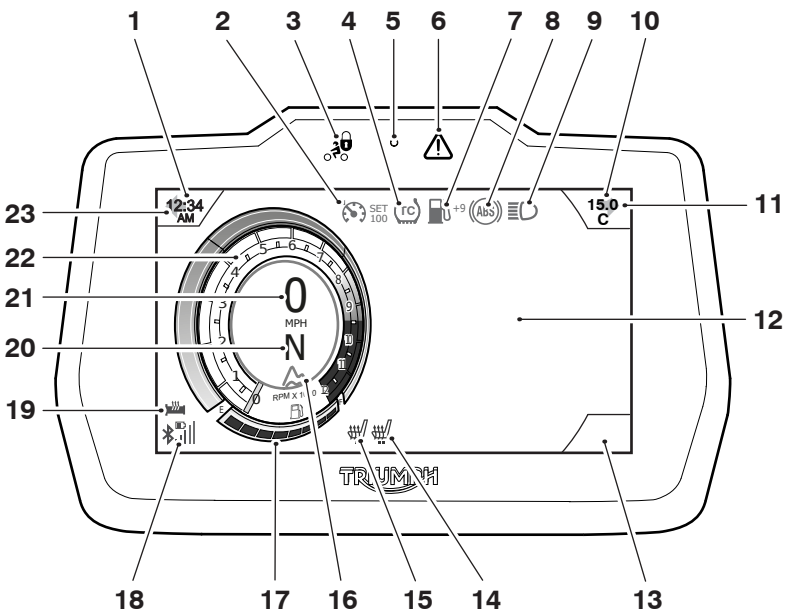
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- Bike 56
- Journey 63
- Bluetooth® 65

Instrument Panel Layout

The motorcycle is equipped with a full color Thin Film Transistor (TFT) instrument display with a 7 inch (18 cm) screen. Depending on the menu options selected, several of the symbols and lights shown below may appear in different areas of the display screen.



1. Clock
2. Cruise control status light
3. Alarm/immobilizer status indicator light (alarm is an accessory kit)
4. Warning symbol location
5. Instrument panel light sensor
6. Warning light
7. Warning symbol location
8. ABS warning light
9. DRL/High beam warning light
10. Ambient temperature
11. Right hand turn signal and hazard warning light
12. Menu area
13. Menu symbol location
14. Passenger heated seat
15. Rider heated seat
16. Current riding mode
17. Fuel gage
18. *Bluetooth*® functionality (if connected)
19. Heated grips
20. Gear position
21. Speedometer
22. Tachometer
23. Left hand turn signal and hazard warning light

Warning Lights

NOTICE

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

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

Always read any warning messages and rectify the issue.

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

Engine Management System Malfunction Indicator Light (MIL)

⚠ WARNING

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

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

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



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

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

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

Low Oil Pressure Warning Light

NOTICE
If the engine oil pressure is too low, the low oil pressure warning light will illuminate.
If the low oil pressure indicator remains on, stop the engine immediately and investigate the situation.
Running the engine with low oil pressure will cause severe engine damage.



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

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 is switched ON, 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.

If the ABS warning light is constantly illuminated it indicates that the ABS function is not available because:

- The ABS has been disabled by the rider.
- The ABS has a malfunction that requires investigation.

If the indicator light becomes illuminated while riding, it indicates that the ABS has a malfunction that requires investigation.

Optimized Cornering ABS (OCABS) (if equipped)

The warning light will flash slowly if Off-Road mode is selected. This indicates that the ABS has been modified.

The warning light will remain constantly on if Off-Road Pro (if available) is selected. This indicates that ABS has been disabled. A warning message will be shown in the instrument display.

If the warning light becomes illuminated at any other 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.

The front turn signals are also used as front marker lights, see page 79.

Hazard Warning Lights



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

High Beam Indicator Light



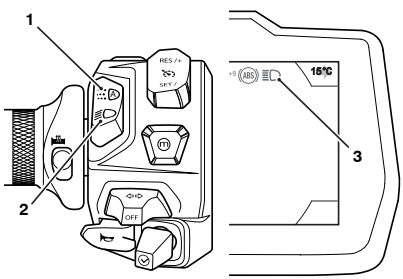
When the ignition is switched ON and the high beam is selected, the high beam indicator light will illuminate.

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

With the DRL switch, on the left hand switch housing, set to DRL the headlight will automatically switch between DRL and dipped headlight depending on the surrounding ambient light brightness.

When the DRL is on, indicator light will illuminate.

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



ckdf_2

1. **Daytime running light position**
2. **Dipped position**
3. **DRL/main beam indicator light**

During daylight hours, the DRL and the front marker lights, see page 79, improve the visibility of the motorcycle to other road users. The front marker lights remain on for DRL, dipped and high beam headlights.

The change from daytime running lights to dipped beam headlights can be changed manually by using a switch on the left hand switch housing. With the switch in the dipped headlight position, the headlight will not automatically switch between dipped headlight and DRL.

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

⚠ 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 rider's vision or blind other road users.

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

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.

NOTICE

The Tire Pressure Monitoring System (TPMS) is installed on some models and is available as an accessory for models without TPMS.

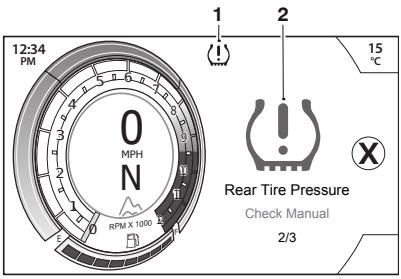


The tire pressure warning light works with the Tire Pressure Monitoring System (TPMS), see page 87.

The tire pressure warning light illuminates to indicate:

- one of the tire pressures is below the recommended pressure. It will not illuminate if the tire is over inflated.
- a tire pressure sensor battery power is low.
- loss of signal from a tire pressure sensor.

When the warning light is illuminated, the TPMS symbol with text indicating the fault will automatically be shown in the display area.

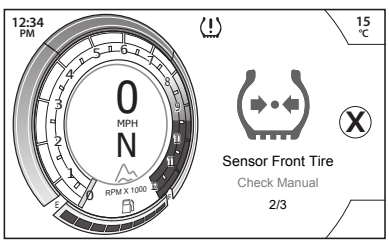


1. **TPMS warning light**
2. **TPMS symbol (tire pressure shown)**

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 179. 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.

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 will be shown on the display. The number of currently active warning messages is shown in the menu area.



To access the information in the menu area, the warning messages must first be acknowledged.

To acknowledge the warning push the joystick center for each warning. The warning messages are not deleted and can be accessed in Bike - Warnings, see page 59.

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

Warning Lights and Messages	
	Alarm/immobilizer status light (red indicator)
	Low oil pressure warning light (red indicator)
	Battery low/Starter motor disabled warning light (red indicator)
	Tire Pressure Monitoring System (TPMS) tire pressure - front/rear tire (red indicator)
	Coolant temperature warning light (red indicator)
	Transmission fault TSA (amber indicator)
	Tire Pressure Monitoring System (TPMS) sensor battery low (amber indicator) Tire Pressure Monitoring System (TPMS) sensor fault (red indicator)

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

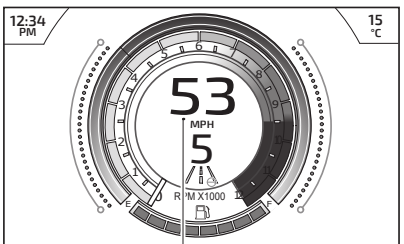
NOTICE

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

Information Lights and Messages	
	Hazard warning lights (red indicator)
	Low fuel level indicator light (amber indicator)
	Turn signal light (green indicator)
	Neutral indicator light (green indicator)
	High beam indicator light (blue indicator)
	Daytime running light (green indicator)

Speedometer

The speedometer indicates the road speed of the motorcycle.

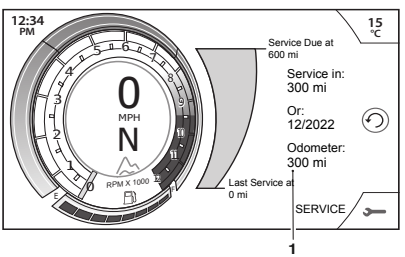


1. Speedometer

To access the speedometer from another instruments display, push the Home button.

Odometer

The odometer shows the total distance that the motorcycle has traveled. The odometer is only shown in the Service menu.



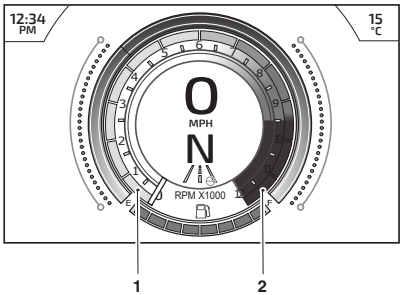
1. Odometer

Tachometer

NOTICE

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

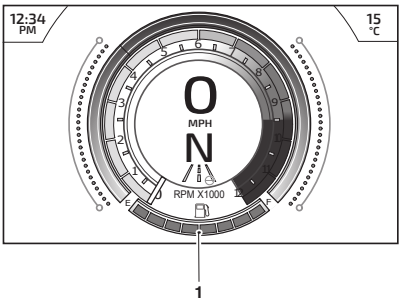
The tachometer shows the engine speed in revolutions per minute - rpm (r/min). At the end of the tachometer range there is the red zone. Engine speeds in the red zone are above maximum recommended engine speed and are also above the range for best performance.



1. **Engine speed (rpm)**
2. **Red zone**

Fuel Gauge

The fuel gage indicates the amount of fuel in the tank from E (empty tank) to F (full tank).



1. **Fuel gage**

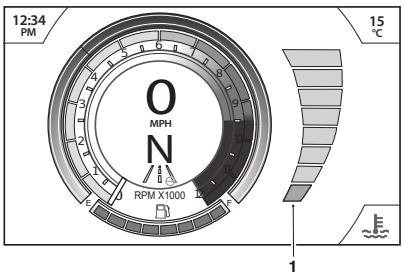
With the ignition switched on, the fuel remaining in the fuel tank is indicated by the amount of gage segments that are shown full.

When the fuel tank is full, all gage segments are shown full. When the fuel tank is empty, all gage segments are shown empty. Other gage markings indicate intermediate fuel levels between full and empty.

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. For more information on the fuel status information, see page 65.

Coolant Temperature Gage

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



1. Coolant temperature gage

When the engine is started from cold, the coolant temperature gage will show empty gage segments. As the temperature increases more gage segments will be shown full. When the engine is started from hot, the coolant temperature gage will show the relevant number of full gage segments, dependent on engine temperature.

The normal temperature range is between the Low and High on the coolant temperature gage.

With the engine running, if the engine coolant temperature becomes dangerously high, the high coolant temperature warning light will illuminate in the warning light location, and a warning message will be shown.

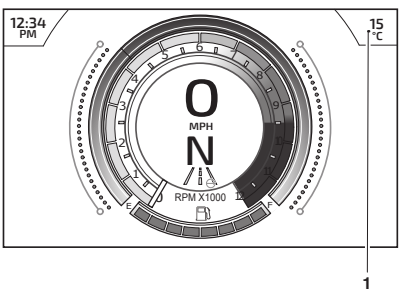
NOTICE
Stop the engine immediately if the high coolant temperature warning light illuminates.
Do not restart the engine until the fault has been rectified.
Severe engine damage will result from running the engine when the high coolant temperature warning light is illuminated.

Ambient Air Temperature

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

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

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

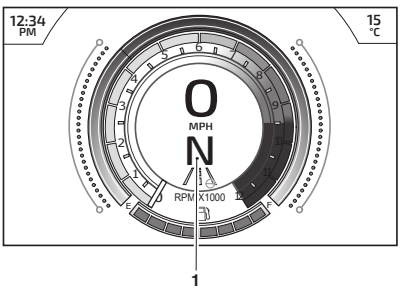


1. Ambient air temperature

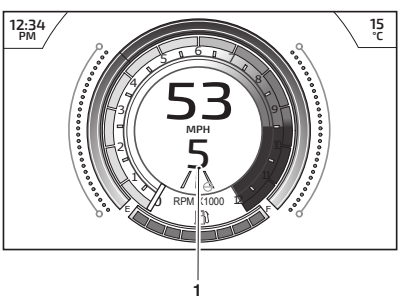
To change the temperature from °C or °F, see page 54.

Gear Position Display

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



1. Gear position display (neutral position shown)



1. Gear position display (fifth gear shown)

Display Navigation

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

Symbol	Description and Operation
	HOME button (right hand switch housing).
	MODE button (left hand switch housing).
	Selection arrow (right shown).
	Left/right scroll using the joystick.
	Option available within the Information Tray - scroll using the joystick down/up.
	Short push (push and release) using the joystick center.
	Long push (push and hold) using the joystick center.
	Reset current feature (only available with joystick long push).

Riding Modes

Riding modes are model specific. Riding modes allow adjustment of the Anti-lock Braking System (ABS), throttle response (MAP), Traction Control (TRACTION CONTROL) and SUSPENSION settings to suit differing road conditions and rider preferences.

Each riding mode is adjustable and the availability of the ABS, MAP, TRACTION CONTROL and SUSPENSION setting options vary between models. For more information, see page 46.

Riding modes can be conveniently selected using the MODE button and joystick located on the left hand switch housing, while the motorcycle is stationary or moving (depending on the riding mode), see page 43.

If a riding mode is edited (other than the Rider mode), the icon will change as shown in the table below.

Description	Default Icon	Rider Edited Icon
Rain		
Road		
Sport		
Off-Road		
Off-Road Pro	PRO	PRO
Rider		-

Riding Mode Selection

⚠ WARNING

The selection of riding modes (except Off-Road and Off-Road Pro) while the motorcycle is in motion requires the rider to allow the motorcycle to coast (motorcycle moving, engine running, throttle closed 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/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.

⚠ WARNING

If Traction Control (TC) has been disabled in the Main Menu as described on page 57 then all TC settings that were saved for all riding modes will be overridden.

TC will remain off regardless of the riding mode selection, until it has been enabled again or the ignition has been switched off then on again.

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, leading to loss of motorcycle control, which could result in serious injury or death.

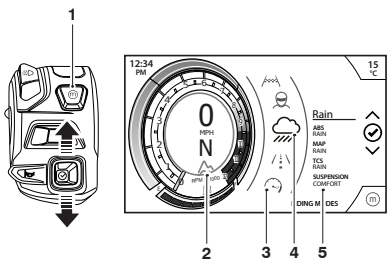
The riding mode will default to Road when the ignition is switched ON, if the Rider mode was active the last time the ignition was switched OFF with TC set to OFF in the required mode.

If the motorcycle was in Off-Road or Off-Road Pro riding mode when the ignition was switched off, then the riding mode will default to Road mode when the ignition is next switched ON.

A warning message is shown stating that the riding mode has changed. It also briefly allows the riding mode to be changed back to the original riding mode.

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

Off-Road and Off-Road Pro riding modes can not be selected while the motorcycle is in motion. The motorcycle must be stationery before selecting Off-Road and Off-Road Pro riding modes.



1. **Mode button**
2. **Current riding mode**
3. **Riding mode selection tray**
4. **Current riding mode selected**
5. **Current riding mode selected settings**

To select a riding mode:

- Short push and release the MODE button on the left hand switch housing to activate the riding mode selection tray.
- The currently active riding mode icon is shown highlighted.

To change the selected riding mode:

- Push the joystick down/up, or repeatedly push the MODE button until the required riding mode is highlighted in the center of the riding mode selection tray.
- A brief push of the joystick center will select the required riding mode, and the riding mode icon in the right hand side of the display will change.
- 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

Off-Road and Off-Road Pro riding modes cannot be selected while the motorcycle is 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).

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

Once the riding mode selection is complete, normal riding can be resumed.

Riding Mode Configuration

Key For The Following Riding Mode Configuration Tables

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

Tiger 900 GT

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

Tiger 900 GT Pro and Tiger 900 Alpine Edition

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

Tiger 900 Rally Pro and Tiger 900 Desert Edition

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

ABS Settings

⚠ 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	Optimal ABS setting for road use. Optimized Cornering ABS function is active in this mode. Linked brake function is active in this mode. Applying the front brake will also operate the rear brake. Rear wheel lift control function is active in this mode.
Off-Road	Optimal ABS setting for off-road use. Optimized Cornering ABS function is disabled in this mode. Linked brake function is active in this mode, but optimized for off-road use. Applying the front brake will also operate the rear brake. ABS is active on both wheels, but optimized for off-road use. Rear wheel lift control function is active in this mode. FRONT WHEEL - The ABS allows more front wheel slip compared to the Road setting. REAR WHEEL - Use of the rear brake only will only operate the rear brake, and have no rear ABS functionality.
Off	ABS and linked brake function are disabled.

MAP Settings

MAP Settings Descriptions	
Road	Standard throttle response.
Rain	Reduced throttle response when compared to the Road setting. For use in 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

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.

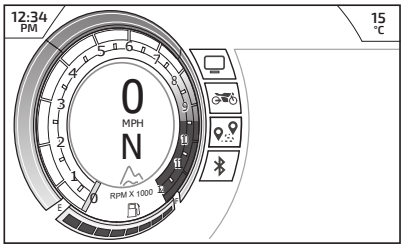
Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

Traction Control Settings Descriptions	
Road	Optimal traction control setting for road use.
Rain	Optimal traction control setting for road use in slippery conditions. Allows minimum rear wheel slip.
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 Road setting.
Off	Traction control is disabled.

Main Menu

To access the Main menu:

- Push the HOME button on the right handlebar switch housing.
- Scroll the Main menu by pushing the joystick down/up until the required symbol is selected and the corresponding list of options is shown.

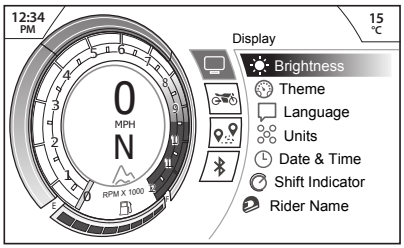


The Main menu allows access to the following options:

Symbol	Description
	Display This menu allows configuration of the display options. For more information, see page 52.
	Bike This menu allows configuration of the different features of the motorcycle. For more information, see page 56.
	Journey This menu allows configuration of Trip 1 and Trip 2. For more information, see page 63.
	Bluetooth® (if equipped) This menu allows configuration of the Bluetooth® connectivity. For more information, see page 65.

Display

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

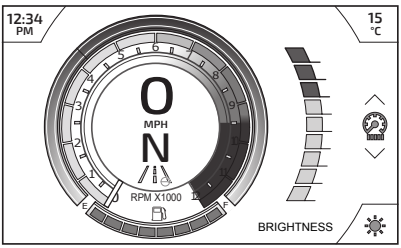


To access the Display menu:

- From the Main menu, push the joystick down/up and select Display.
- Push the joystick center to confirm.
- Select the required option from the list to access the relevant information.

Display - Brightness

The Brightness menu allows the brightness of the display screen to be adjusted.



To adjust the brightness of the display screen:

- Push the joystick down/up to decrease/increase the level of brightness.
- When the brightness level is set to the required level, push the joystick center to confirm and return to the Display menu.

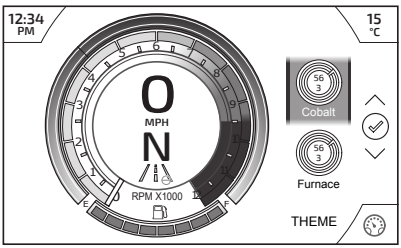
NOTICE

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

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

Display - Theme

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

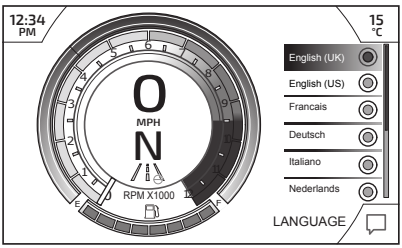


To change the theme:

- Push the joystick down/up to select the required theme.
- Push the joystick center to confirm and return to the Display menu.

Display - Language

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

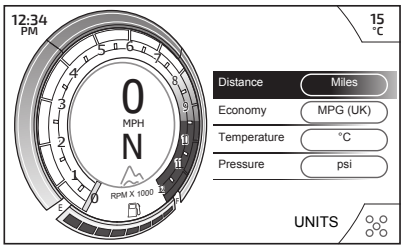


To select the required language for the instrument display:

- Scroll the list by pushing the joystick down/up until the required language option is highlighted.
- Push the joystick center to select the correct language.
- Push the joystick left to return to the Display menu.

Display - Units

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



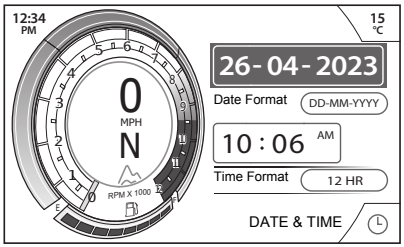
To change the units of measurement:

- Push the joystick down/up to highlight the required option (Distance, Economy, Temperature or Pressure).
- Push the joystick center to select.
- Push the joystick down/up to select the required unit of measurement from the drop down menu.
- Push the joystick center to confirm.
- Push the joystick left to return to the Display menu.

Units of Measurement Options	
Distance	Miles
	km
Economy	MPG (UK)
	MPG (US)
	L/100km
	km/L
Temperature	°C
	°F
Pressure	psi
	bar
	kPa

Display - Date and Time

The Date & Time menu allows the date and time to be adjusted.

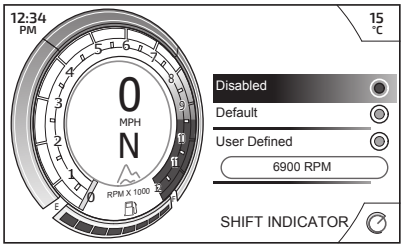


To set the date and time format:

- Navigate through the date and time options using the joystick.
- Push the joystick center to confirm the option that needs to be changed.
- Push the joystick down/up to select the required number and push the joystick center to confirm.
- Push the joystick left/right to navigate to the next number.
- Follow the same procedure to change the remaining numbers.
- Push the joystick center to confirm.
- Follow the same procedure to change any other date and time options.
- Push the joystick left to return to the Display menu.

Display - Shift Indicator

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



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

To disable the gear shift indicator:

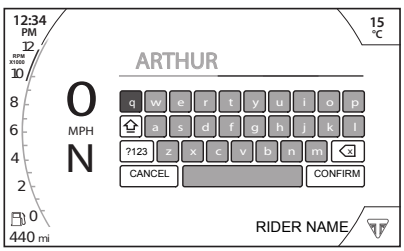
- Push the joystick down/up to select the Disabled option.
- Push the joystick center to confirm.
- Push the joystick left to return to the Display menu.

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

- Push the joystick down/up to select the User Defined option and push the joystick center to confirm.
- Push the joystick down/up to select the RPM option.
- Push the joystick center to confirm.
- Push the joystick down/up to select from the preset RPM figures shown.
- Push the joystick center to confirm the required selection.
- Push the joystick left to return to the Display menu.

Display - Rider Name

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

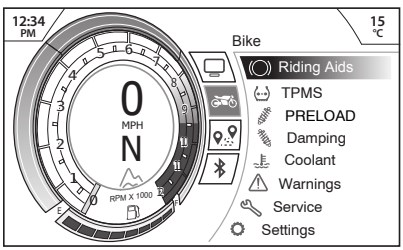


To enter a rider's name:

- Navigate the keyboard using the joystick and select the first letter of the rider's name.
- Push 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 limit of 13 characters.
- Selecting ?123 shows a new keyboard of symbols and numbers to select from.
- Select CONFIRM and push the joystick center to confirm the rider's name.
- The rider's name will now appear on the welcome screen.
- Select CANCEL to return to the Display menu without making any changes.

Bike

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



Tiger 900 GT Pro Bike menu shown

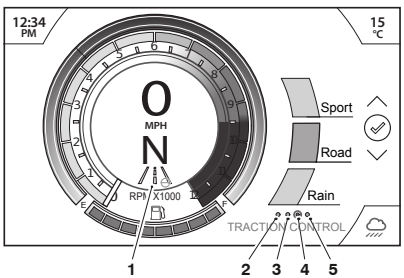
To access the Bike menu:

- From the Main menu, push the joystick down and select Bike.
- Push the joystick center to confirm.
- Select the required option from the list to access the relevant information.

Bike - Riding Aids

The Riding Aids menu allows the configuration of the current riding mode while the motorcycle is in motion.

For information on the available options for each riding mode, see page 46.



1. **Current riding mode**
2. **ABS option**
3. **MAP option**
4. **TRACTION CONTROL option (selected option)**
5. **SUSPENSION option**

To change a riding mode setting:

- From the Bike menu, push the joystick down/up to select the Riding Aids option.
- Push the joystick left/right to scroll through ABS, MAP, TRACTION CONTROL and SUSPENSION options.
- When in the correct menu, push the joystick down/up to select and highlight the required setting.
- Push the joystick center to confirm and return to the Bike menu.

Bike - TPMS (if equipped)

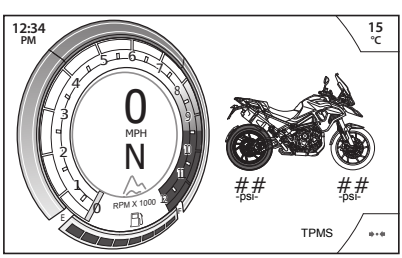
⚠ WARNING

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) menu shows the front and rear tire pressures.



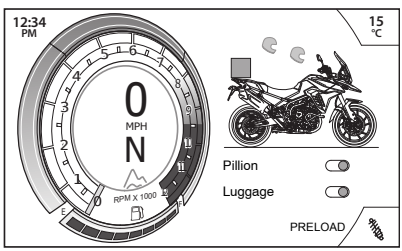
The front or rear tire will be highlighted on the motorcycle image to indicate that the tire pressure is below the recommended pressure.

For more information on TPMS and tire pressures, see page 179.

Bike - Preload

Tiger 900 GT Pro Only

The PRELOAD menu allows the adjustment of the preload parameters to suit rider preferences and riding conditions.



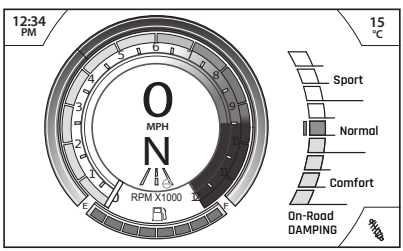
To adjust the preload suspension setting:

- Push the joystick down/up to select Pillion, push joystick center to add/remove pillion. Pillion helmet icon will illuminate when selected.
- Push the joystick down/up to select Luggage, push joystick center to add/remove luggage. Luggage icon will illuminate when selected.
- Push the joystick left to return to the previous menu.

Bike - Damping

Tiger 900 GT Pro Only

The Damping menu allows the adjustment of the on-road and off-road damping parameters to suit rider preferences and riding conditions.

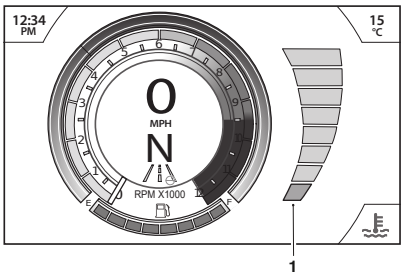


To adjust the damping suspension setting:

- Push the joystick down/up to decrease/increase the damping setting in the Comfort, Normal or Sport range.
- Push the joystick center to confirm the selection.
- Push the joystick left to return to the Bike menu.

Bike - Coolant

The Coolant menu shows the coolant temperature gage. For more information, see page 40.

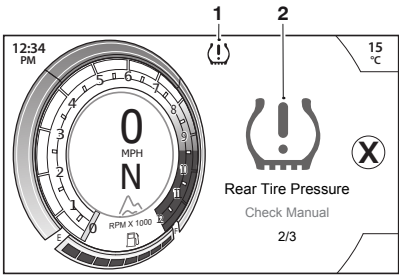


To view the coolant temperature gage:

- From the Bike menu, push the joystick down/up to select the Coolant option.
- Push the joystick center to confirm.
- Push the joystick left to return to the Bike menu.

Bike - Warnings

Any warnings and information messages are shown in the main display. An example is shown below.



1. **TPMS warning light**
2. **TPMS symbol (tire pressure shown)**

To view the warnings:

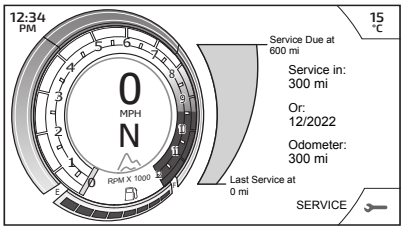
- Push the joystick down/up to review each warning (if more than one).
- The warning counter will show the amount of warnings that are present.
- Push the joystick left to return to the Bike menu.

Low Battery Warning

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.

Bike - Service

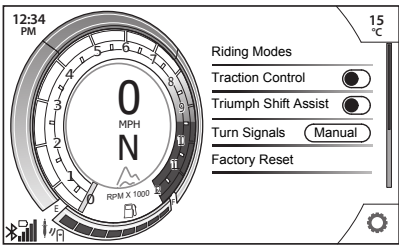
The Service menu shows the service interval and the odometer.



The service interval shows the distance and date that the service is required to be completed by.

Bike - Settings

The Settings menu allows configuration of several motorcycle settings.



The Settings options include:

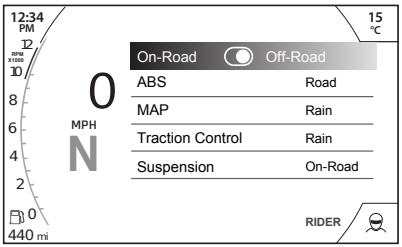
- Riding Modes
- Traction Control
- Triumph Shift Assist
- Turn Signals
- Factory Reset.

Settings - Riding Modes

The Riding Modes menu allows the adjustment of the current riding mode to suit differing road conditions and rider preferences.

This menu option only allows the adjustment of the riding mode that is currently active and in use.

For more information on riding mode configurations, see page 42.



To adjust the riding mode settings:

- Scroll down/up the specific riding mode settings using the joystick to highlight the required setting.
- Push the joystick center to confirm. The relevant setting menu is now shown.
- Once the setting has been adjusted accordingly, push the joystick center to confirm and return to the main Riding Modes. If changed from the default option, the Rider symbol will be displayed.
- Repeat the procedure to adjust any other riding mode settings.
- Push the joystick left to return to the previous menu.

Settings - Traction Control

The Traction Control (TC) system can be temporarily disabled. The Traction Control 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 traction control:

- From the Settings menu, push the joystick down/up to select the Traction Control option.
- Push the joystick center to move the slider dot to the right to enable traction control.
- Push the joystick center to move the slider dot to the left to disable traction control.
- Push the joystick left to return to the Bike menu.

For more information on traction control, see page 84.

Settings - Triumph Shift Assist

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

The clutch must be used for stopping and pulling away.

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

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

To enable or disable Triumph Shift Assist:

- From the Settings menu, push the joystick down/up to select the Triumph Shift Assist option.
- Push the joystick center to move the slider dot to the right to enable Triumph Shift Assist.
- Push the joystick center to move the slider dot to the left to disable Triumph Shift Assist.
- Push the joystick left to return to the Bike menu.

For more information on Triumph Shift Assist, see page 114.

Settings - Turn Signals

The turn signals setting can be changed.

To change the turn signals setting:

- From the Settings menu, push the joystick down/up to select the Turn Signals option.
- Push the joystick center to confirm.
- Push the joystick down/up to select the required Turn Signal option. Push the joystick center to confirm.
- Push the joystick left to return to the Bike menu.

Turn Signal Settings Options	
Manual	The self-canceling function is off. The turn signals must be manually canceled using the turn signal switch.
Self-Cancel	The self-canceling function is on. The turn signals will activate for eight seconds and an additional 71 yards (65 meters).

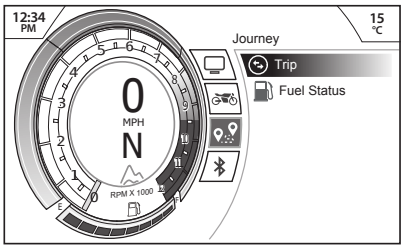
For more information on turn signals, see page 75.

Settings - Factory Reset

The Factory Reset option allows the Settings options to be reset to the default setting.

Journey

The Journey menu allows configuration of the motorcycle journey information.

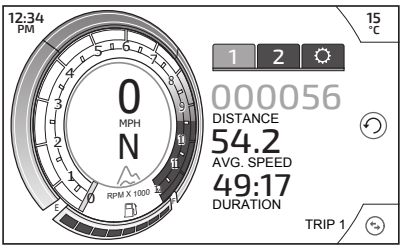


To access the Journey menu:

- From the Main menu, push the joystick down and select Journey.
- Push the joystick center to confirm.
- Select the required option from the list to access the relevant information.

Journey - Trip Meter

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



To view a specific trip meter:

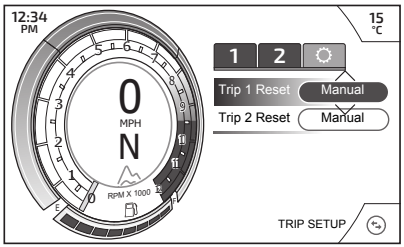
- Push the joystick left/right to select 1 or 2 from the tabs.
- The relevant trip meter information is then shown.

To reset a trip meter:

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

Journey - Trip Settings

The Trip Settings menu allows the trip meters to be reset manually or automatically.



To reset the trip meters:

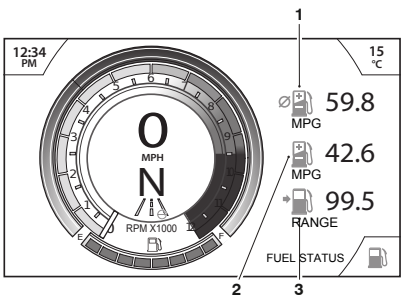
- Push the joystick left/right to select the Trip Settings tab.
- Push the joystick down/up to select the required trip meter. Push the joystick center to confirm.
- Push the joystick down/up to select the required reset option and push the joystick center to confirm.
- Push the joystick left to return to the journey menu.

Trip Settings Options	
Auto	This option resets each trip meter after the ignition has been switched off for the selected set time; 1, 2, 4, 8, 12 or 16 hours.
Manual	This option only resets the selected trip meter when the rider manually resets the selected trip meter.

Journey - Fuel Status

The Fuel Status menu shows fuel consumption information.

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.



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

Average Fuel Consumption

This is an indication of the average fuel consumption.

A long push on the joystick center will reset the average fuel consumption data. After being reset, **--.-** is shown until 0.1 miles/km has been covered.

Instantaneous Fuel Consumption

This is an indication of the fuel consumption at an instant in time. If the motorcycle is stationary, **--.-** is shown.

Range to Empty

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

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.

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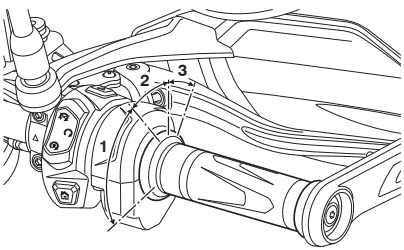
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Controls

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**
2. **Throttle closed position**
3. **Cruise control cancel 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.

From the closed position, the throttle twist grip can be rolled forward 0.12 - 0.16 in (3 - 4 mm) to deactivate the cruise control (if equipped), see page 82.

There are no user adjustments for the throttle control.

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.

⚠ 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.

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 OFF or LOCK position and remove the key when leaving the motorcycle unattended.

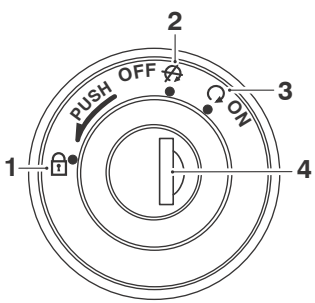
Any unauthorized use of the motorcycle may cause injury to the user, other road users and pedestrians and may also cause damage to the motorcycle.

⚠ 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.



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

Ignition Switch Positions

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.

To lock the motorcycle:

- Turn the handlebar fully to the left.
- Turn the key to the OFF position.
- Push and fully release the key.
- 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.

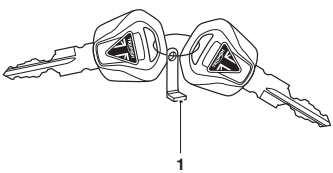
NOTICE

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.



1. Key number tag

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.

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.

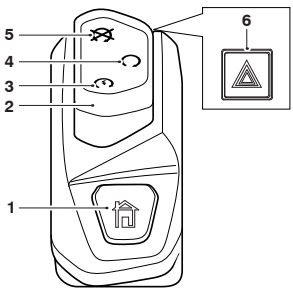
Always get replacement keys from your authorized Triumph dealer. Replacement keys must be 'paired' with the motorcycle's immobilizer by your authorized Triumph dealer.

Engine Immobilizer

The ignition barrel 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 29. The engine immobilizer is deactivated when the ignition key is in the ignition switch and it is turned to the ON position.

Right Handlebar Switches

The switches are illuminated on Tiger 900 GT Pro and Tiger 900 Rally Pro.



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

The following sections describe the handlebar buttons and switches functions.

HOME Button

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.

Engine Stop Switch

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

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

Starter Button

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

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.

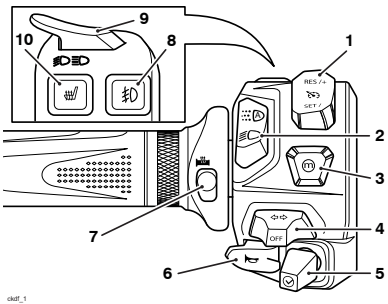
Hazard Warning Lights Button

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

Left Handlebar Switches

The switches are illuminated on Tiger 900 GT Pro and Tiger 900 Rally Pro.



1. **Cruise control adjust switch (if equipped)**
2. **Daytime Running Lights (DRL) switch (if equipped)**
3. **MODE button**
4. **Turn signal switch**
5. **Joystick button**
6. **Horn button**
7. **Heated grips switch (if equipped)**
8. **Front fog lights switch (if equipped)**
9. **High beam button**
10. **Rider heated seat switch (if equipped)**

The following sections describe the handlebar buttons and switches functions.

Cruise Control Adjust Switch

The cruise control adjust switch is a two way switch with the top marked RES/+ and the bottom marked SET/-.

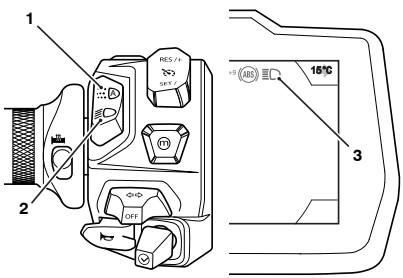
For more information on cruise control operation, see page 80.

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

With the DRL switch, on the left hand switch housing, set to DRL the headlight will automatically switch between DRL and dipped headlight depending on the surrounding ambient light brightness.

When the DRL is on, indicator light will illuminate.

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



ckdf_2

1. **Daytime running light position**
2. **Dipped position**
3. **DRL/main beam indicator light**

During daylight hours, the DRL and the front marker lights, see page 79, improve the visibility of the motorcycle to other road users. The front marker lights remain on for DRL, dipped and high beam headlights.

The change from daytime running lights to dipped beam headlights can be changed manually by using a switch on the left hand switch housing. With the switch in the dipped headlight position, the headlight will not automatically switch between dipped headlight and DRL.

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

⚠ 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 rider's vision or blind other road users.

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

MODE Button

When the MODE button is pressed and released it will activate the Riding Mode Selection Menu in the display screen. Further presses of the MODE button will scroll through the available riding modes, see Riding Mode Selection on page 43.

Press and hold the MODE button when a riding mode is selected provides direct access to the riding mode's configuration menu.

For more information on riding mode selection and configuration, see page 46.

Turn Signal Switch

When the turn signal switch is pushed to the left or right and released, the corresponding turn signals will flash on and off. To turn off the turn signals, push and release the switch in the central position.

When the brakes are applied for emergency braking, the rear turn signals will flash on and off.

Automatic Self-Canceling Turn Signals

The turn signals are automatically turned off after eight seconds and after riding a further 71 yards (65 meters).

To disable the turn signal self-cancel system refer to the Bike Setup section on page 62.

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

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 pushed, with the ignition switch turned to the ON position, the horn will sound.

Heated Grips Switch

The heated grips will only heat when the engine is running.

When the heated grips are switched on, the heated grips symbol will appear in the display and the selected heat level will be shown.

If the heated grips are on when the engine is turned off, they will turn on again if the engine is started within 15 minutes. The heated grips will reset to off 15 minutes after the engine has been turned off.

There are three levels of heat: low, medium and high. This is indicated by the different colors of the symbols shown in the display.



1. **Low heat symbol (yellow)**
2. **Medium heat symbol (orange)**
3. **High heat symbol (red)**

For maximum benefit in cold conditions, from the OFF position press the switch once for the high heat setting initially and then reduce the heat level by pressing the switch again for a low heat setting when the grips have warmed up.

To turn off the heated grips, press and release the switch until the heated grips symbol is no longer shown in the display.

Low Power Voltage Cut Off

If a low voltage is detected, the heated grips switch will power off. The heated grips will not function again until the voltage rises to a safe level.

The switch will not power back on automatically even if the voltage rises to the safe level. The user must manually press the switch again to activate the heated grips.

Fog Lights Switch (if equipped)

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

The fog lights switch will only operate when the headlights are on and the engine is running.

If the fog lights are on when the engine is turned off, they will turn on again if the engine is started within 15 minutes. The fog lights will reset to off 15 minutes after the engine has been turned off.

High Beam Button

The high beam button has a different function depending on whether Daytime Running Lights (DRL) are installed or not. When the high beam is turned on, the high beam indicator light will illuminate in the display.

Models with Daytime Running Lights (DRL)

If the DRL switch is in the Daytime Running Lights (DRL) position, then 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.

If the DRL switch is in the dip beam position, press the high beam button to switch the high beam on. Each press of the button will swap between dip and high beam.

A lighting on/off switch is not installed on this model. The brake/tail light and license plate light all function automatically when the ignition is turned to the ON position. The headlight will function when the ignition is turned on and the engine is running.

Models without Daytime Running Lights (DRL)

Press the high beam button to switch the high beam on. Each press of the button will swap between dip and high beam.

A lighting on/off switch is not installed on this model. The position light, brake/tail light and license plate light all function automatically when the ignition is turned to the ON position. The headlight will function when the ignition is turned on and the engine is running.

Rider and Passenger Heated Seat Switch (if equipped)

The rider and passenger heated seats will only heat when the engine is running. When the heated seats are switched on, then the heated seats symbols will appear in the display. The selected heat level will also be indicated by the color of the symbol.

If the heated seats are on when the engine is turned off, they will turn on again if the engine is started within 15 minutes. The heated seats will reset to off 15 minutes after the engine has been turned off.

For more information, see page 99.

Brake Lever Adjuster

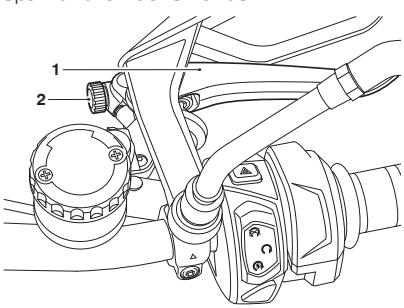
⚠ WARNING

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 front 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.



1. **Brake lever**
2. **Adjuster wheel**

To adjust the brake lever:

- Rotate the adjuster wheel to the required position.
- The distance from the handlebar grip to the released lever is shortest when the adjuster wheel is turned fully counterclockwise. It is the longest when the adjuster wheel is turned fully clockwise.

Clutch Lever Adjuster

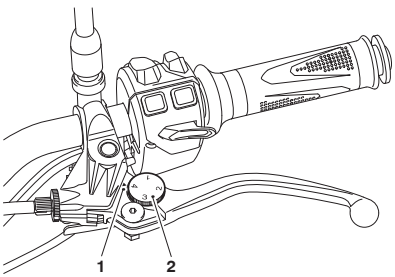
⚠ WARNING

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 one of four positions to suit the span of the rider's hands.



1. **Arrow mark**
2. **Adjuster wheel (handguard removed for clarity)**

To adjust the clutch lever:

- Push the clutch lever forward and turn the adjuster wheel to align one of the numbered positions with the arrow mark on the lever holder.
- The distance from the handlebar grip to the released clutch lever is shortest when set to number four, and longest when set to number one.

Front Marker Lights

When the ignition is turned on and is out of power save mode, the front turn signals will illuminate at 50% brightness to be the front marker lights.

When the turn signal switch is turned to the left or right, the relevant turn signals will flash on and off at 100% brightness and the other front turn signal will remain illuminated at 50%.

Cruise Control

⚠ 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.

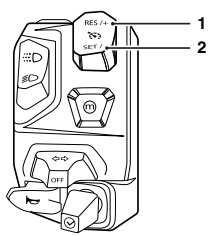
High speed operation should only then be attempted by riders who have been instructed in the techniques necessary for high speed riding and are familiar with the motorcycle's characteristics in all conditions.

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.

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 the ABS has been disabled or a riding mode is selected with ABS set to Off or Off-Road Pro (if available).

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



1. **Cruise control RES/+ button**
2. **Cruise control SET/- button**

Cruise control can be switched on or off at any time but it cannot be activated until all the conditions described on page 81 have been met.

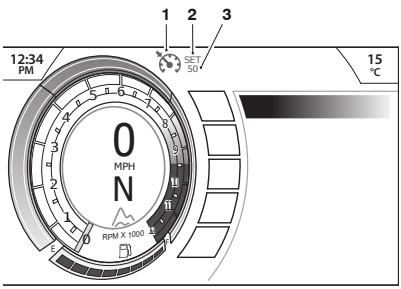
Activating Cruise Control

To turn on the cruise control system, push the SET/- button. The cruise control symbol will be shown in the display screen. The cruise control set speed will be shown as '--' indicating that a speed has not yet been set.

To activate cruise control, the following conditions have to be met:

- The motorcycle must be traveling at a speed between 29 to 100 mph (46 to 160 km/h).
- The motorcycle must be in 3 rd gear or higher.
- Once these conditions have been met, push the SET/- button to activate cruise control. The cruise control symbol will be shown in a green light in the TFT display to indicate that cruise control is now active.

The word SET will be shown next to the cruise control symbol. The cruise control set speed will be shown and the cruise control light will illuminate in the tachometer indicating that cruise control is active.



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

The cruise control system will maintain the set speed until:

- The set speed is adjusted as described on page 82.
- Cruise control is deactivated as described on page 82.

Adjusting the Set Speed While in Cruise Control

To adjust the set speed while in cruise control, push and release the:

- RES/+ button to increase the speed
- SET/- button to decrease the speed.

Each push of the buttons will adjust the speed by 1 mph or 1 km/h. If the buttons are held, the speed continuously increases or decreases in single digit increments.

Stop pushing the adjust button when the required speed is shown in the display.

The cruise control set speed display will flash until the new set speed has been achieved.

If riding up a steep incline and cruise control is unable to maintain the set speed, the cruise control set speed display will flash until the motorcycle has regained the set speed.

An alternative way to increase the speed in cruise control is to accelerate to the required speed using the throttle grip and then push the SET/- button.

Deactivating Cruise Control

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

- Roll the throttle twist grip fully forward.
- Pull the clutch lever.
- Operate the front or rear brake.
- Increase speed by using the throttle for more than 60 seconds.

Upon deactivation, the cruise control light will go out in the tachometer but the SET indicator and set speed will still be shown in the display screen, indicating that the cruise control set speed has been stored.

The cruise control set speed can be resumed as described on page 83, provided the cruise control has not been deactivated by turning the ignition switch to the OFF position.

Resuming the Cruise Control Set Speed

⚠ WARNING

When resuming cruise control, always make sure that the traffic conditions are suitable for the set speed.

Using cruise control in heavy traffic, on roads with sharp/blind bends or when they are slippery is dangerous.

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

Cruise control will be deactivated if one of the following actions has been taken:

- Roll the throttle twist grip fully forward.
- Pull the clutch lever.
- Operate the front or rear brake.
- Increase speed by using the throttle grip for more than 60 seconds.

The cruise control set speed can be resumed by pushing and releasing the RES/+ button provided a set speed has been stored.

The motorcycle must be traveling at a speed between 29 to 100 mph (46 to 160 km/h) and be in 3rd gear or higher.

A stored set speed is indicated by the word SET next to the cruise control symbol in the display screen.

The stored set speed will remain in the cruise control memory until the ignition switch has been turned to the OFF position.

The cruise control set speed display will flash until the resumed set speed has been achieved.

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.

⚠ WARNING

If the traction control 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 traction control 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 in this situation may cause the rear wheel to spin leading to loss of motorcycle control, which could result in serious injury or death.

All motorcycles are equipped with Traction Control (TC). Traction control 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 it is engaged and a change to the sound of the engine may be noticed. For information on the traction control indicator light operation, see page 32.

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.

Optimized Cornering Traction Control (if equipped)

⚠ WARNING

If a fault occurs with the optimized cornering traction control system, the traction control disabled warning light will illuminate and a message will be shown in the display.

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

- There are no other faults with the traction control system.

- Traction control has NOT been disabled (see Bike Setup on page 61 or Riding Mode Configuration on page 42).

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 traction control 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 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 is a system designed to provide increased control should the traction control 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.

Optimized cornering traction control is not active when in Off-Road or Off-Road Pro 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 traction control disabled warning light operation and its associated instrument warning messages, see page 61.

Traction Control Settings

⚠ 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.

The traction control system can be disabled as described in Bike Setup on page 61, or set to the conditions described in Riding Mode Configuration on page 42.

Tire Pressure Monitoring System (TPMS) (if equipped)

⚠ WARNING

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

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

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

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

NOTICE

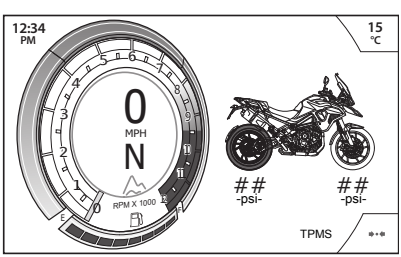
The Tire Pressure Monitoring System (TPMS) is available as an accessory kit. Contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

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 screen until the tire pressure signal is received. The sensors in each wheel work independent of each other. Therefore the sensors can automatically switch on and update at different times.

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

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



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.

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.

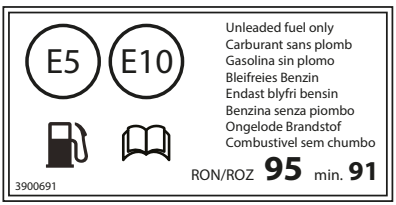
Triumph motorcycles are designed to use unleaded fuel and will give optimum performance if the correct grade of fuel is used.

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.

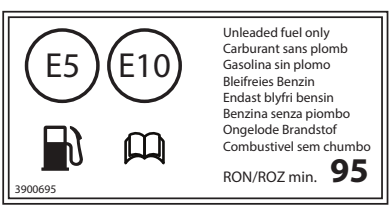
In North America, federal regulations require that pumps delivering unleaded gasoline are marked 'UNLEADED' and that the CLC or AKI octane rating is also displayed. These ratings are an average of the RON and the MON.

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.

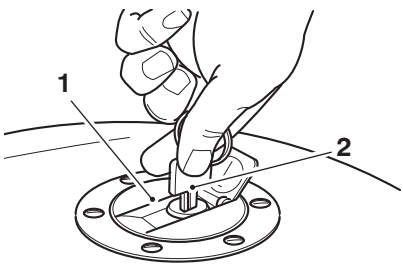
- Because gasoline (fuel) is highly flammable, any fuel leak or spillage, or any failure to observe the safety advice given above will lead to a fire hazard, which could cause damage to property, serious injury or death.

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



1. **Fuel tank cap**
2. **Key**

To open the fuel tank cap, lift up the flap covering the lock itself. Insert the key into the lock and turn the key clockwise.

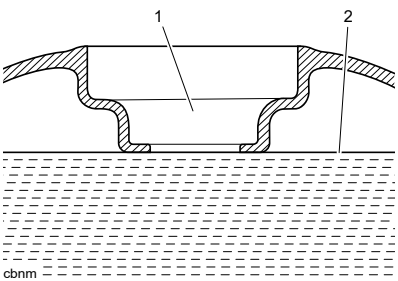
To close and lock the cap, push the cap down into place with the key inserted, until the lock clicks into place. Withdraw the key and close the key cover.

NOTICE

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

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.

Stands

Side Stand

⚠ WARNING

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

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

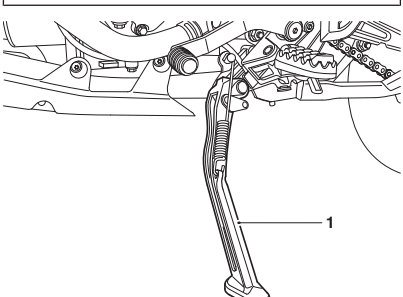
Failure to follow the advice above may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ CAUTION

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

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

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



1. **Side stand**

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

Whenever the side stand is used, before riding, always make sure that the side stand is fully up after first sitting on the motorcycle.

When parking the motorcycle using the side stand, always turn the handlebars fully to the left and leave the motorcycle in first gear.

For instructions on safe parking, refer to the How to Ride the Motorcycle section, see page 120.

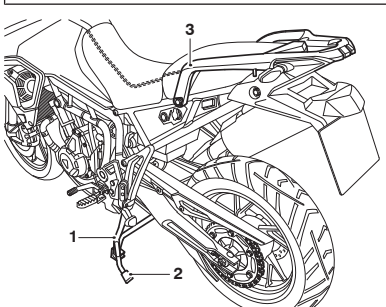
Center Stand (if equipped)

⚠ CAUTION

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

This may cause the motorcycle to fall over.

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



1. **Center stand**
2. **Foot finder**
3. **Rear grab rail**

To set the motorcycle on the center stand:

- Hold the motorcycle upright.
- Step down firmly on the foot finder part of the stand.
- Lift the motorcycle up and to the rear using the rear grab rail as a handhold.

For instructions on safe parking, refer to the How to Ride the Motorcycle section, see page 120.

NOTICE

Do not use body panels or the seat as a handhold when placing the motorcycle on the center stand as this will cause damage.

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 that 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 more information on seat cleaning, see page 204.

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.

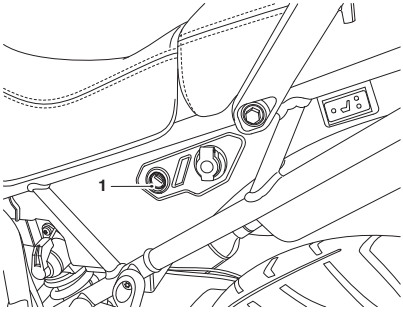
A loose or detached seat may lead to loss of motorcycle control which could result in serious injury or death.

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**

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

Seats - Removal

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

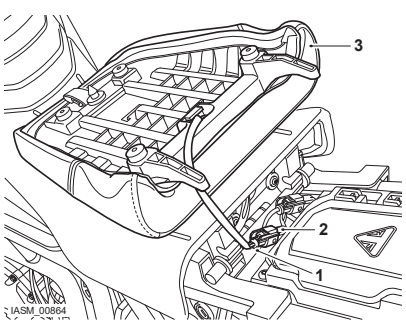
Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

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

Passenger Seat

- Insert the ignition key into the seat lock, see page 95.
- Turn the ignition key counterclockwise while pressing down on the rear of the seat. This will release the seat from its lock and allow it to be slid rearwards.
- If equipped with heated seats, rotate the passenger seat and rest it on the rider's seat. Disconnect the heated seat's electrical connector.



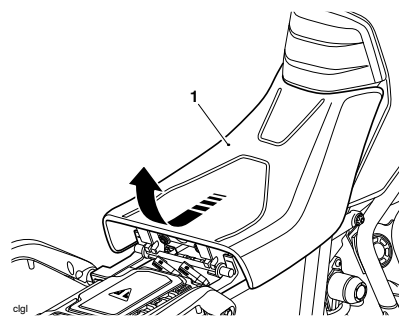
1. **Electrical connector**
2. **Clip**
3. **Heated passenger seat**

- Remove the seat from the motorcycle.

Rider Seat

The passenger seat must be removed before the rider's seat can be removed. There is also a small storage compartment located beneath the passenger seat, see page 100.

- Remove the passenger seat.
- Grasp the rider's seat on either side, and slide it rearwards and upwards.
- If equipped with heated seats, disconnect the heated seat's electrical connector for complete removal from the motorcycle.



1. **Rider's seat**

Seats - 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

The rider's seat is only correctly retained and supported once the passenger seat is correctly installed.

Never ride the motorcycle with the passenger seat detached or removed, as the rider's seat will not be secure and may move.

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

⚠ WARNING

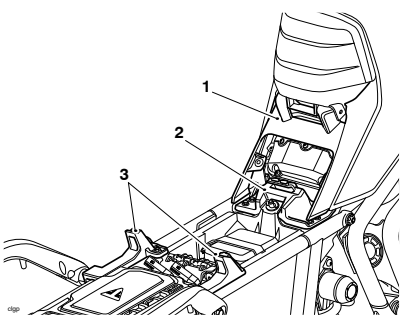
To prevent detachment of the seat during riding, after installation always grasp the seat and pull firmly upwards.

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.

Rider Seat

- Reconnect the heated seat's electrical connector (if equipped).
- Position the seat tongue into its slot in the seat support.
- Engage the seat's front rail into the seat bridge at the rear of the fuel tank and lower the rear rail onto the seat rear supports.

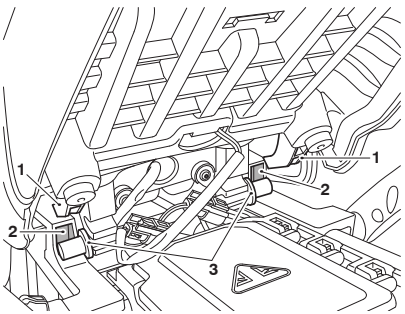


1. **Seat support**
2. **Seat bridge**
3. **Seat rear supports**

- Reinstall the passenger seat.

Passenger Seat

- Reconnect the heated seat's electrical connector (if equipped).
- Push down firmly on the rear of the rider seat and hold.
- Engage the seat's two brackets into the locating feature.
- Press down at the rear to engage in the seat lock.



1. **Passenger seat brackets**
2. **Locating feature**
3. **Rider's seat mountings**

Rider's Seat Height Adjustment

⚠ WARNING

Always adjust both seat height adjusters. Adjusting only one height adjuster may prevent correct installation of the seat.

Never ride the motorcycle with an incorrectly adjusted seat, as the rider's seat will not be secure.

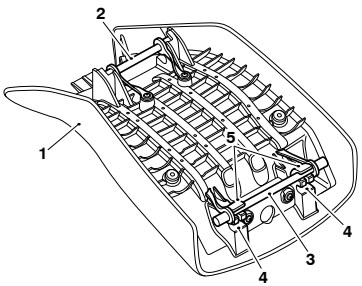
A loose or detached seat may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

After adjusting the seat height, operate the motorcycle in an area free from traffic to gain familiarity with the new seat position.

Riding the motorcycle with the seat in an unfamiliar position may lead to loss of motorcycle control, which could result in serious injury or death.

The rider's seat is adjustable for height by approximately 0.8 in (20 mm).



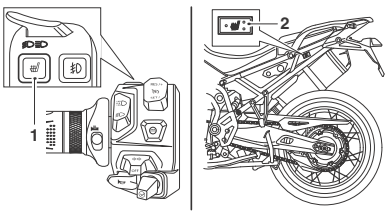
1. **Rider's seat**
2. **Front seat height adjuster**
3. **Rear seat height adjuster**
4. **Low seat height position (rear shown)**
5. **High seat height position (rear shown)**

To adjust the rider's seat:

- Remove the rider's seat, see page 96.
- Reposition both seat height adjusters to the higher or lower position as required.
- Make sure that both adjuster rails are fully engaged in their brackets on the seat.
- Reinstall the rider's seat making sure the seat tongue locates into its slot in the seat support, the seat's front rail locates into the seat bridge at the rear of the fuel tank and lower the rear rail onto the seat rear supports, see page 97.

Heated Seats (if equipped)

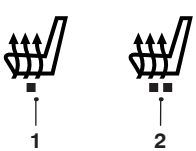
The heated seats switches (if equipped) are located on the left hand side of the motorcycle.



1. **Rider's heated seat switch location**
2. **Passenger's heated seat switch location**

The heated seats will only heat when the engine is running. When the heated seats are switched on, the heated seats symbol will appear in the display. The selected heat level for each seat will also be indicated by the color of the symbol.

There are two levels of heat: low and high.



1. **Low heat symbol (amber)**
2. **High heat symbol (red)**

Rider Heated Seat

- For maximum benefit in cold conditions, from the OFF position press the rider heated seat switch once for the high heat setting initially, and then reduce the heat level by pressing the rider heated seat switch again for the low heat setting when the seat has warmed up.
- To turn the rider heated seat off, press and release the rider heated seat switch until the heated seats symbol is no longer shown in the display.

Passenger Heated Seat

- For maximum benefit in cold conditions, switch the passenger heated seat switch to the high heat setting initially and then reduce the heat level by switching the passenger heated seat switch to the low heat setting when the passenger seat has warmed up.
- To turn the passenger heated seat off, move the switch to its central position. After a short delay, the passenger heated seat symbol will no longer be shown in the display.

Low Power Voltage Cut Off

If a low voltage is detected the heated seats switches will power off. The heated seats will not function again until the voltage rises to a safe level.

The switches will not power back on automatically even if the voltage rises to the safe level. The ignition must be switched off then on again to activate the heated seats.

Storage Compartment (if equipped)

NOTICE

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

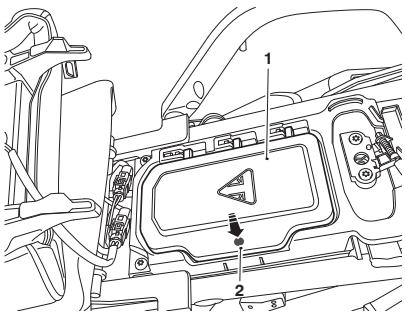
Make sure that there is sufficient space surrounding any electronic devices or other items for the storage compartment to close without causing any damage to the items or the motorcycle.

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

NOTICE

Always make sure that the storage compartment lid is closed securely before reinstalling the seat to prevent damage to the storage compartment lid.

There is a small storage compartment located underneath the passenger seat. The storage compartment may be used to store electrical devices when using the USB socket, and small items when riding.



1. **Storage compartment**
2. **Push to open**

To open the storage compartment, press the center of the left hand side of the storage compartment lid to release the lock device to open it.

Windshield

⚠ 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.

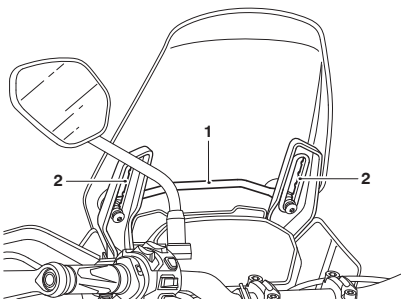
⚠ WARNING

Make sure that the windshield is adjusted to the same position on both sides.

Riding the motorcycle with an incorrectly adjusted windshield may affect the handling, stability or other aspect 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.

The windshield installed on this motorcycle can be manually adjusted through five height positions without the use of tools.



1. **Height adjustment handle**
2. **Adjustment position**

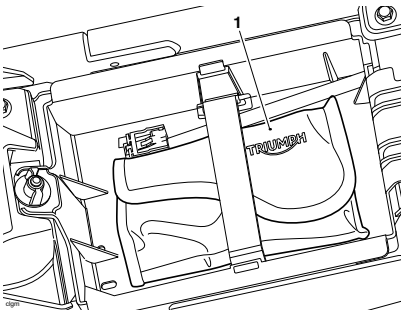
To adjust the windshield height:

- Safely sit on the motorcycle.
- Firmly grip the height adjustment handle.
- Move the handle up or down to adjust the windshield to the required height.

For windshield cleaning information, see page 204.

Tool Kit

The tool kit is located in the storage tray under the rider's seat and is secured with a rubber strap.



1. **Tool kit**

To access the tool kit, remove the rider's seat, see page 96.

USB Socket (if equipped)

⚠ 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

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

Make sure that there is sufficient space surrounding any electronic devices or other items for the storage compartment 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.

NOTICE

Do not leave the ignition switch in the ON position unless the engine is running as this will discharge the battery.

NOTICE

Adapter cables are not supplied with the motorcycle.

There are two Universal Serial Bus (USB) sockets. These sockets allow connection for charging electronic devices such as mobile phones, cameras, and GPS devices

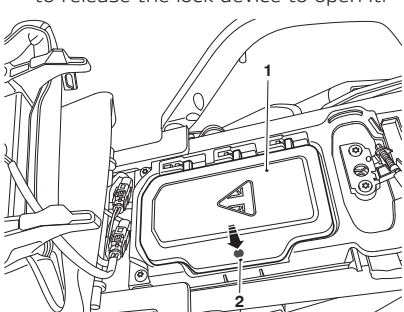
The USB sockets cannot be used for charging the motorcycle battery.

USB Type A Socket

The USB type A socket can provide 5 Volts to USB devices. Up to 2 Amps can be supplied to loads connected to this USB socket

To access the USB type A socket:

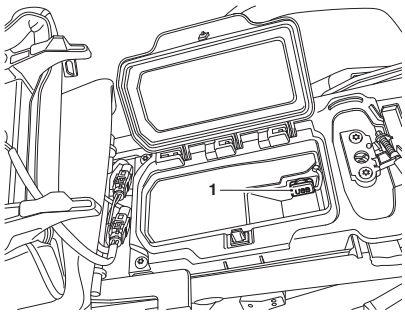
- Remove the passenger seat, see page 96.
- The USB socket is located in the storage compartment below the passenger seat.
- Press the center of the left hand side of the storage compartment lid to release the lock device to open it.



1. **Storage compartment**
2. **Push to open**

- Remove the cap.

- Plug the relevant USB adapter cable into the socket.



1. Universal Serial Bus (USB) socket

- Start the engine to access the power supply to the USB socket.
- Install the front seat, see page 97.

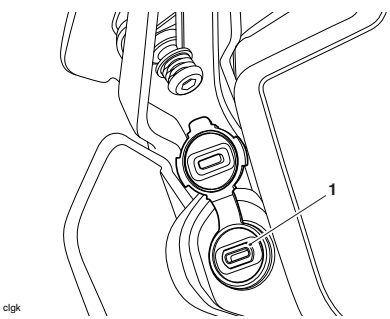
USB Type C Socket

The USB type C socket is capable of fast charging and can supply up to 18 Watts to compatible devices.

The USB type C socket is located on the left hand side of the instruments mounting bracket.

To access the USB type C socket:

- Remove the cap.
- Plug the relevant USB adapter cable into the socket.



1. USB C socket

- Start the engine to access the power supply to the USB socket.

Electrical Accessory Sockets

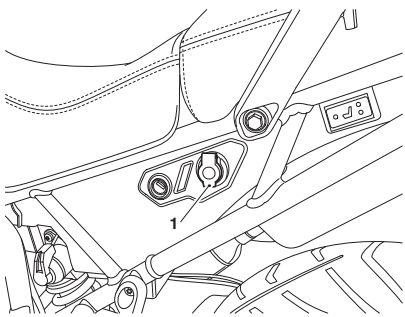
NOTICE

The electrical accessory socket can be used to charge the motorcycle battery.

NOTICE

Do not leave electrical accessories connected to the electrical accessory socket when the engine is not running as this will discharge the motorcycle battery.

The electrical accessory socket is located next to the seat lock.



1. Accessory socket

The socket will provide a 12 Volt electrical supply and is permanently live.

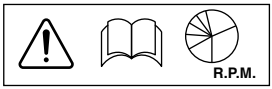
The electrical accessory socket circuit is protected by the specified fuse shown in the fuse tables on page 189.

NOTICE

To protect the motorcycle battery from excessive discharge while using mounted electrical accessories, the combined total current that may be drawn through the electrical accessory sockets is five Amps.

A plug, suitable for use with the accessory socket, is available as a genuine Triumph part.

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 93.

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 138.

Drive Chain: Correct adjustment, see page 151.

Tires/Wheels: Correct inflation pressures (when cold). Tread depth/wear, tire/wheel damage, loose/broken spokes, punctures etc., see page 178.

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 165.

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 157.

Brake Pads: Check that the correct amount of friction material is remaining on all the brake pads, see page 158.

Brake Fluid Levels: No brake fluid leakage. Brake fluid levels must be between the MAX and MIN marks on both reservoirs, see page 159.

Front Forks: Smooth action. No fork oil leakage, see page 168.

Throttle: Make sure that the throttle grip returns to the idle position without sticking, see page 148.

Clutch: Smooth operation and correct cable free play, see page 149.

Coolant: No coolant leakage. Check the coolant level in the expansion tank (when the engine is cold) see page 146.

Electrical Equipment: All lights and horn function correctly, see page 73.

Engine Stop: Engine start/stop switch turns the engine OFF when the switch is moved to the STOP position, see page 72.

Stands: Returns to the fully up position by spring tension. Return springs not weak or damaged, see page 93.

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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.

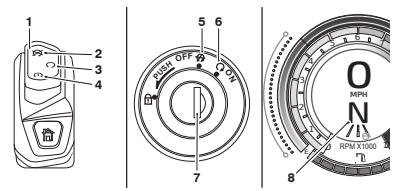
Always bring the motorcycle to a stop safely and engage Neutral gear prior to stopping the engine.

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.



1. **Engine stop switch**
2. **STOP position**
3. **RUN position**
4. **Starter button**
5. **OFF position**
6. **ON position**
7. **Ignition switch**
8. **Neutral indicator light**

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

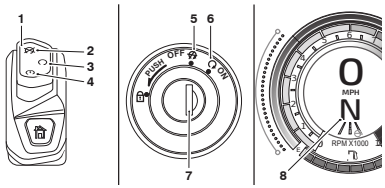
An engine that idles for long periods of time may lead to overheating, which will cause damage to the engine.

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.



1. **Engine stop switch**
2. **STOP position**
3. **RUN position**
4. **Starter button**
5. **OFF position**
6. **ON position**
7. **Ignition switch**
8. **Neutral indicator light**

- Check that the engine 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 ON.

NOTICE

When the ignition is switched on, the instrument warning lights will illuminate and will then go off (except those which normally remain on until the engine starts, see page 29).

A transponder is installed within the key to turn off the engine immobilizer. To make sure that 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.

- Leaving the throttle fully closed, push the starter button until the engine starts.
- Slowly release the clutch lever.

The motorcycle is equipped with starter lockout switches. The switches prevent the electric starter from operating when a gear is engaged with the side stand down.

If the side stand is extended while the engine is running, and the transmission is not in neutral then the engine will stop regardless of clutch position.

Moving Off

- Pull in the clutch lever and select first gear.
- Open the throttle a little and let out the clutch lever slowly.
- As the clutch starts to engage, open the throttle a little more, allowing enough engine speed to avoid stalling.

Shifting Gears

⚠ WARNING

Take care to avoid opening the throttle too far or too fast in any of the lower gears, as this can lead to the front wheel lifting from the ground (pulling a 'wheelie') and to the rear tire breaking traction (wheel spin).

Always open the throttle cautiously, particularly if you are unfamiliar with the motorcycle.

Pulling a 'wheelie' or loss of traction may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

Do not shift to a lower gear at speeds that will cause excessive engine rpm (r/min).

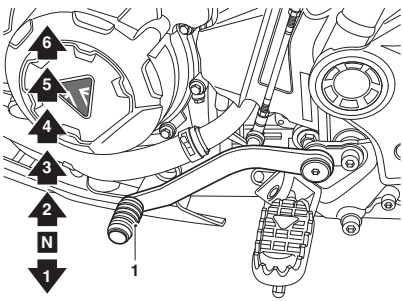
Shifting down should be done such that low engine speeds will be ensured.

Shifting to a lower gear at high speed can lock the rear wheel, leading to loss of motorcycle control, which could result in serious injury or death.

NOTICE

The gear shift mechanism is the 'positive stop' type. This means that, for each movement of the gear shift pedal, you can only select each gear, one after the other, in ascending or descending order.

For models equipped with Triumph Shift Assist (TSA), see page 114.



1. **Gear shift pedal**

- 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.

Triumph Shift Assist (TSA) (if equipped)

NOTICE

If there is a TSA system fault when riding, the TSA system will be disabled.

Use the clutch to shift gears in the normal way, otherwise damage to the engine or gear box may occur.

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

NOTICE

Shifting gears must be completed with a quick and forceful pedal movement, making sure that the pedal moves through its full range of travel.

Always take care when shifting gears. After a gear shift, the pedal must be fully released before another gear shift can be made.

Incorrect gear shifts can cause damage to the engine and transmission.

NOTICE

Triumph Shift Assist (TSA) is optimized for on-road use.

It must not be used during off-road riding.

Triumph Shift Assist (TSA) adjusts the engine torque to allow gears to engage, without closure of the throttle twist grip or operation of the clutch.

TSA is not an automatic system for shifting gears. Gears must be selected and shifted in the normal way using the gear pedal as described in Shifting Gears, see page 113.

TSA works for both up shifts and down shifts of gear. The clutch must be used for stopping and pulling away. The clutch must be used when selecting any gear from neutral, and also when selecting neutral from any other gear.

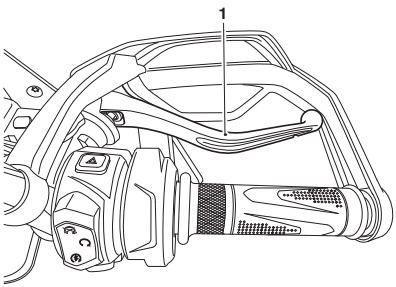
Triumph Shift Assist will not operate if:

- The clutch is applied.
- An up shift is attempted by mistake when in top gear.
- A down shift is attempted by mistake when in 1st gear.
- An up shift is attempted at very low engine speeds.
- A down shift is attempted at very high engine speeds.
- An up shift is attempted during overrun.
- The vehicle speed limiter (if equipped) is active.
- Cruise control is active.
- Traction control is operating.
- If the previous gear has not fully engaged.
- The throttle is changed during a shift.

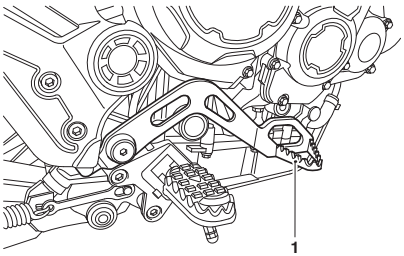
If TSA does not operate, the clutch can be used to shift gears in the normal way.

For more information on enabling and disabling the TSA functionality, see page 62.

Braking



1. **Front brake lever**



1. **Rear brake pedal**

⚠ 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.

⚠ 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.

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

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



When the ignition switch is turned to the ON position, it is normal for the ABS warning light to flash on and off, see page 31. If the ABS warning light is constantly illuminated it indicates that the ABS function is not available because:

- The ABS has been disabled by the rider.
- The ABS has a malfunction that requires investigation.

If the indicator light becomes illuminated while riding, it indicates that the ABS has a malfunction that requires investigation.

Optimized Cornering ABS (OCABS) (if equipped)

The warning light will flash slowly if Optimized Cornering ABS (OCABS) is switched off by the Off-Road or Off-Road Pro riding modes. A warning message will be shown in the instrument display.

⚠ 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.

⚠ WARNING

ABS operates by comparing the relative speed of the front and rear wheels.

Use of non-recommended tires can affect wheel speed and cause the ABS not to operate. Always install recommended tires.

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

NOTICE

The ABS 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).

Optimized Cornering ABS (OCABS)

Optimized Cornering ABS (OCABS) is a system designed to 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.

NOTICE

The Optimized Cornering ABS is a system designed to help the rider in emergency braking situations.

The system is designed to give the rider increased control should the ABS be activated while the motorcycle is leaning in a corner.

The potential increased control that the optimized cornering braking system allows under certain conditions is not a substitute for good riding practice.

⚠ 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.

NOTICE

Optimized Cornering ABS (OCABS) is disabled in the OFF-ROAD riding mode or if the ABS is switched off, and can be disabled in the OFF-ROAD PRO riding mode.

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.

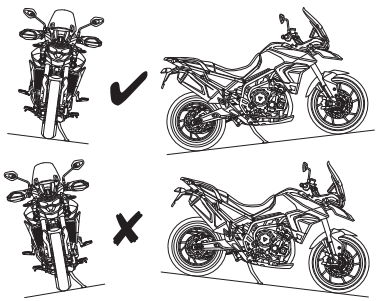
DO NOT park where pedestrians and children are likely to touch the motorcycle.

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.

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 Installation Instruction, as this may affect handling, stability or other aspects of the motorcycle's operation that may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ WARNING

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

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

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

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

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

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

⚠ WARNING

Never ride an accessory equipped motorcycle, or a motorcycle carrying a payload of any kind, at speeds above 80 mph (130 km/h). In either/both of these conditions, speeds in excess of 80 mph (130 km/h) should not be attempted, even where the legal speed limit permits this.

The presence of accessories and/or payload will cause changes in the stability and handling of the motorcycle.

Failure to allow for changes in motorcycle stability may lead to loss of motorcycle control. When riding at high speed, always be aware that various motorcycle configuration and environmental factors can adversely affect the stability of your motorcycle. For example:

- Incorrectly balanced loads on both sides of the motorcycle

- Incorrectly adjusted front and rear suspension settings

- Incorrectly adjusted tire pressures

- Excessively or unevenly worn tires

- Side winds and turbulence from other vehicles

- Loose clothing.

Remember that the 80 mph (130 km/h) absolute limit will be reduced by the installation of non-approved accessories, incorrect loading, worn tires, overall motorcycle condition and poor road or weather conditions.

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

Accessory Socket

NOTICE

The electrical accessory socket can be used to charge the motorcycle battery.

NOTICE

Do not leave electrical accessories connected to the electrical accessory socket when the engine is not running as this will discharge the motorcycle battery.

NOTICE

To protect the motorcycle battery from excessive discharge while using mounted electrical accessories, the combined total current that may be drawn through the electrical accessory sockets is five Amps.

A plug, suitable for use with the accessory socket, is available as a genuine Triumph part.

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 is used to carry small objects, they must not exceed 6.6 lbs (3 kg) in weight, 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, 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 aspect 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 6,000 miles (10,000 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 6,000 miles (10,000 km) per year must have the annual maintenance and the specified mileage based items carried out together.
- Motorcycles traveling more than 6,000 miles (10,000 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	6,000 Mile (10,000 Km) Service	12,000 Mile (20,000 Km) Service	18,000 Mile (30,000 Km) Service	24,000 Mile (40,000 Km) Service
Lubrication							
Engine and oil cooler - 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)						•	
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						
Engine							
Clutch - check operation	•	•	•	•	•	•	•
Clutch lever pivot - clean/grease		•	•	•	•	•	•
Valve clearances - check/adjust*						•	
Camshaft drive chain - replace - every 36,000 miles (60,000 km)*						•	
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		•	•	•	•	•	•
Steering and Suspension							
Steering - check for free operation	•	•	•	•	•	•	•
Front and rear suspension - check for damage/leaks/smooth operation	•	•	•	•	•	•	•
Steering head bearings - check/adjust					•		•
Rear suspension unit and linkage - lubricate (single rear suspension unit models only)					•		•
Swinging arm spindle - lubricate					•		•
Fork oil - replace							•

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	6,000 Mile (10,000 Km) Service	12,000 Mile (20,000 Km) Service	18,000 Mile (30,000 Km) Service	24,000 Mile (40,000 Km) Service
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 - lubricate	Every 200 miles (300 km)						
Drive chain - wear check*			•	•	•	•	•
Drive chain rubbing strip - check for wear, cracks or damage*			•				
Drive chain rubbing strip - replace*				•	•	•	•
Electrical							
Lights, instruments and electrical systems - check/adjust	•	•	•	•	•	•	•
General							
Bank angle indicators - check for wear*	•	•	•	•	•	•	•
Center and/or side stand - check for wear/smooth operation	•	•	•	•	•	•	•
Instruments, chassis ECM, engine ECM and suspension ECM - check for latest calibration download using the Triumph diagnostic tool		•	•	•	•	•	•
Autoscan - carry out a full Autoscan using the Triumph diagnostic tool (print a customer copy)		•	•	•	•	•	•
Carry out all outstanding Service Bulletin and warranty work		•	•	•	•	•	•
Carry out road test		•	•	•	•	•	•
Complete the service record book and reset the service indicator (if equipped)		•	•	•	•	•	•
Accessory rack sliding carriage - check for correct operation*			•	•	•	•	•
Side stand pivot pin - clean/grease			•	•	•	•	•
Accessory pannier link mechanism - check for correct operation and adjustment*			•	•	•	•	•

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.

Sump 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.

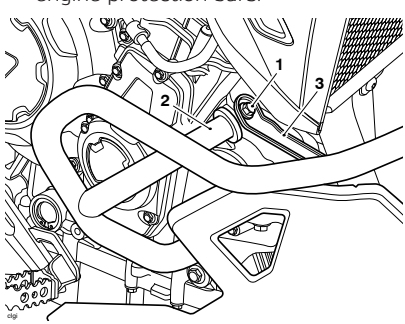
A correctly supported motorcycle will help prevent it from falling.

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

Tiger 900 Rally Pro and
Tiger 900 Desert Edition

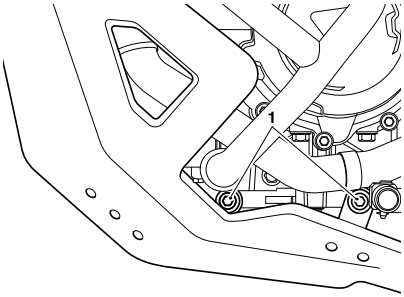
The sump guard must be removed to allow access to change the engine oil filter.

- Remove the two fasteners from the engine protection bars.



1. **Fastener (right hand side shown)**
2. **Engine protection bar**
3. **Bracket**

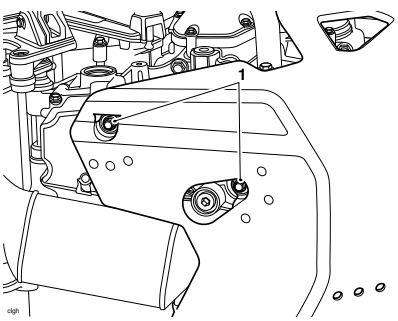
▼ Remove the two left hand fasteners



clgn

1. Left hand fasteners

▼ Remove the two bottom fasteners and remove the sump guard.



clgh

1. Bottom fasteners

Sump Guard - Installation

⚠ WARNING

Make sure that the motorcycle is stabilized and adequately supported.

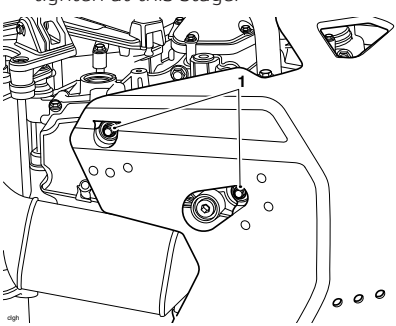
Do not support the motorcycle on any ancillary component, the exhaust system or any other non-structural parts of the motorcycle frame.

A correctly supported motorcycle will help prevent it from falling.

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

Tiger 900 Rally Pro and Tiger 900 Desert Edition

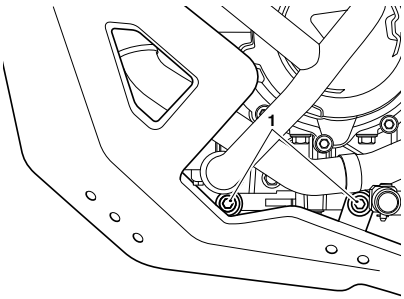
▼ Align the sump guard to the motorcycle and secure with the two bottom fasteners. Do not fully tighten at this stage.



clgh

1. Bottom fasteners

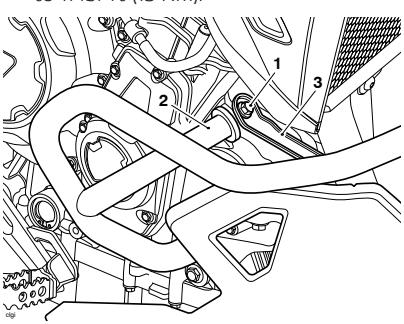
- Reinstall the two left hand fasteners and tighten to 53 lbf in (6 Nm).



clgn

1. **Left hand fasteners**

- Reinstall the two fasteners for the engine protection bars and tighten to 11 lbf ft (15 Nm).



clgr

1. **Fastener (right hand side shown)**
2. **Engine protection bar**
3. **Bracket**

- Tighten the bottom fasteners to 53 lbf in (6 Nm).

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.

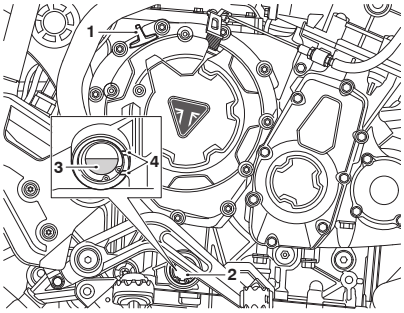
Contamination entering the engine may lead to engine damage.

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.



1. **Engine oil filler plug**
2. **Sight glass**
3. **Engine oil level (correct level shown)**
4. **Crankcase engine oil level lines**

- Start the engine and run at idle for approximately five minutes.
- Stop the engine and wait for at least three minutes for the engine oil to settle.
- Note the engine oil level visible in the sight glass.

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).

- When correct, engine oil should be visible in the sight glass at a point midway between the upper (maximum) and lower (minimum) horizontal lines marked on the crankcase.
- If it is necessary to top off the engine oil level, remove the 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 filler plug.

Engine Oil and Oil Filter Change

⚠ 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.

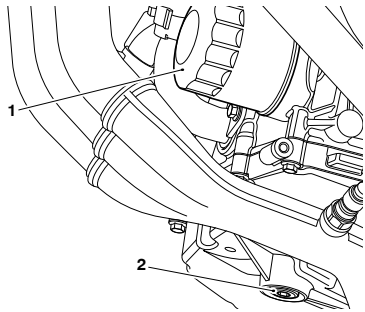
⚠ CAUTION

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.



cthe

1. **Engine oil filter**
2. **Engine oil drain plug**

- For Tiger 900 Rally Pro remove the sump guard, see page 138.
- Warm up the engine thoroughly, and then stop the engine and secure the motorcycle in an upright position on level ground.
- Place an oil drain pan beneath the engine.
- Remove the engine oil drain plug.
- Unscrew and remove the engine oil filter using service tool T3880313 - Oil Filter Wrench. Dispose of the old engine oil filter in an environmentally friendly way.
- Apply a thin smear of clean engine oil to the sealing ring of the new engine oil filter. Install the engine oil filter and tighten to 89 lbf in (10 Nm).

- After the engine oil has completely drained out, install a new sealing washer to the drain plug. Install and tighten the drain plug to 18 lbf ft (25 Nm).

NOTICE

The engine oil grade specified must be used.

Using the incorrect engine oil grade may result in engine damage.

- Using a suitable funnel, fill the engine with a fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended.

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 remains off and the engine oil pressure message is not shown in the instrument display screen.
- Stop the engine and recheck the oil level. Adjust if necessary.
- For Tiger 900 Rally Pro install the sump guard, see page 139.

Engine Oil Specification and Grade (10W/40 and 10W/50)

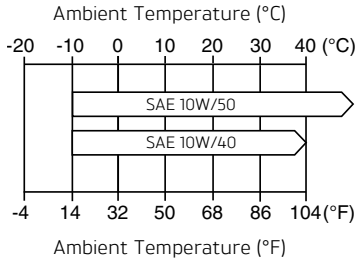
NOTICE

The engine oil grade specified must be used.

Using the incorrect engine oil grade may result in engine damage.

This Triumph high-performance fuel injected engine is designed to use fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended.

Refer to the chart below for the correct oil viscosity (10W/40 or 10W/50) to be used in your riding area.



Oil Viscosity Temperature Range

Do not add any chemical additives to the engine oil. The engine oil also lubricates the clutch and any additives could cause the clutch to slip.

Do not use mineral, vegetable, non-detergent oil, castor based oils or any oil not conforming to the required specification. The use of these oils may cause instant, severe engine damage.

Make sure that no foreign matter enters the crankcase during an engine oil change or top off.

Cooling System



NOTICE

The motorcycle is equipped with D2053 coolant, a year-round, Organic Additive Technology (known as OAT) coolant when it leaves the factory. It is colored orange, and contains a 50% solution of monoethylene glycol based antifreeze.

D2053 coolant, as supplied by Triumph, provides freeze protection to -40°F (-40°C).

To ensure efficient engine cooling, check the coolant level each day before riding the motorcycle, and top off the coolant if the level is low.

Corrosion Inhibitors

⚠ WARNING

D2053 OAT coolant contains corrosion inhibitors and antifreeze suitable for aluminum engines and radiators. Always use the coolant in accordance with the instructions of the manufacturer.

Coolant contains toxic chemicals that are harmful to the human body.

Contact with skin or eyes may cause severe irritation. Wear protective gloves, clothing and eye protection when handling coolant.

If coolant is inhaled, remove the person to fresh air and keep comfortable for breathing. In case of doubt or persistent symptoms, seek medical attention.

If coolant gets on your skin, flush with water immediately. Remove contaminated clothing.

If coolant gets in your eyes, flush with water for at least 15 minutes and SEEK MEDICAL ATTENTION IMMEDIATELY.

If coolant is swallowed, rinse the mouth with water and SEEK MEDICAL ATTENTION IMMEDIATELY.

KEEP COOLANT OUT OF THE REACH OF CHILDREN.

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

NOTICE

D2053 OAT coolant, as supplied by Triumph, is premixed and does not need to be diluted prior to filling or topping off the cooling system.

To protect the cooling system from corrosion, the use of corrosion 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.

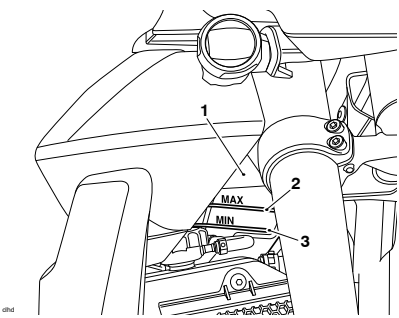
Coolants of different types must not be mixed. Mixing coolants of different types will reduce the performance of the coolant and reduce its life. When replacing coolant, it is recommended to thoroughly flush the cooling system with clean water.

Coolant Level Inspection

NOTICE

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

The coolant expansion tank can be viewed from the right hand side of the motorcycle, below and towards the front of the fuel tank.



1. **Expansion tank**
2. **MAX mark**
3. **MIN mark**

- Position the motorcycle on level ground and in an upright position (not on the stand).
- Check the coolant level in the expansion tank.
- The coolant level must be between the MAX and MIN marks. If the coolant is below the minimum level, the coolant level must be adjusted.

Coolant Level Adjustment

⚠ 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

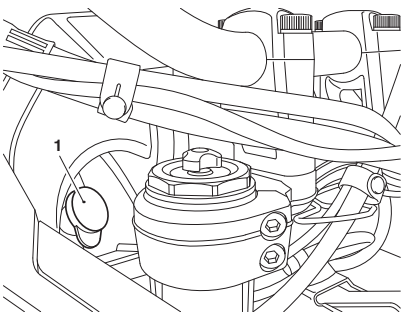
If hard water is used in the cooling system, it will cause scale accumulation in the engine and radiator and considerably reduce the efficiency of the cooling system.

Reduced cooling system efficiency may cause the engine to overheat and suffer severe damage.

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.



1. Expansion tank cap

- Allow the engine to cool.
- The expansion tank cap can be removed from the right hand side of the motorcycle, between the front of the fuel tank and the frame.
- Remove the cap from the expansion tank and add coolant mixture through the filler opening until the level reaches the MAX mark.
- Reinstall the cap.

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.

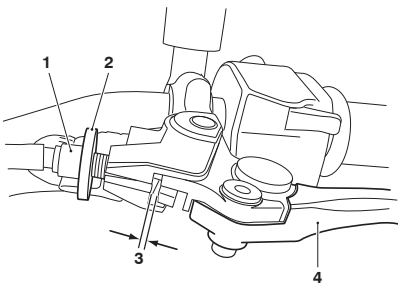
Clutch lever free play must be checked in accordance with scheduled maintenance requirements.

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

- Loosen the lock nut.
- Turn the adjuster sleeve to give the correct amount of free play.
- Tighten the lock nut.



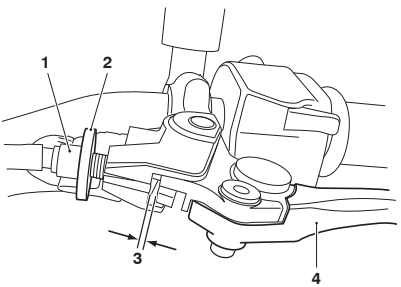
1. **Adjuster sleeve**
2. **Lock nut (fully loosened position shown)**
3. **Correct clearance (0.08 - 0.12 in (2 - 3 mm))**
4. **Clutch lever**

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

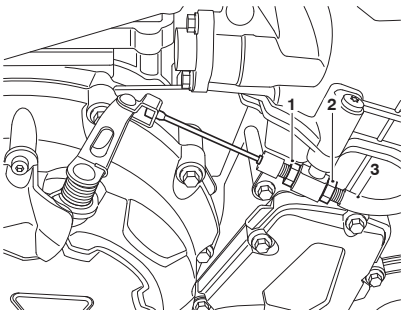
- Loosen the adjuster lock nut at the clutch lever.
- Turn the adjuster sleeve fully into the clutch lever housing then turn back two complete turns.
- Tighten the adjuster lock nut at the clutch lever.



1. **Adjuster sleeve**
2. **Lock nut (fully loosened position shown)**
3. **Correct clearance (0.08 - 0.12 in (2 - 3 mm))**
4. **Clutch lever**

- If the clutch cable is tight, loosen the front lock nut (2) and tighten the rear lock nut (1) to give the correct amount of free play at the clutch lever.

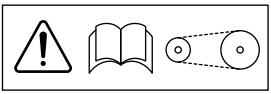
- If the clutch cable is loose, loosen the rear lock nut (1) and tighten the front lock nut (2) to give the correct amount of free play at the clutch lever.
- Tighten the lock nuts to 27 lbf in (3 Nm)



1. **Rear adjuster lock nut**
2. **Front adjuster lock nut**
3. **Clutch outer cable**

Check that there is 0.08 - 0.12 in (2 - 3 mm) clutch lever free play at the 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

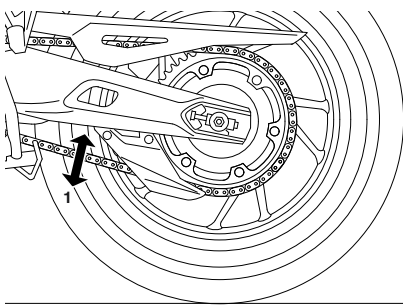
⚠ WARNING

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.



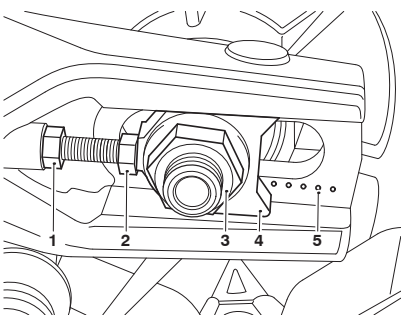
1. Maximum movement position

- 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.

Drive Chain Free Movement Adjustment

The vertical movement of the drive chain must be in the range shown in the following table.

Model	Vertical Movement Range
Tiger 900 GT Tiger 900 GT Pro	0.98 - 1.38 in (25 - 35 mm)
Tiger 900 Rally Pro	1.18 - 1.57 in (30 - 40 mm)



1. **Adjuster bolt lock nut**
2. **Adjuster bolt**
3. **Rear wheel spindle nut**
4. **Spindle adjuster**
5. **Adjuster markers**

- Loosen the rear wheel spindle nut.
- Loosen the adjuster bolt lock nut on both the left hand and right hand drive chain adjuster bolts.
- Moving both adjusters by an equal amount, turn the 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.

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 lock nuts to 11 lbf ft (11 lbf ft (15 Nm)) and the rear wheel spindle nut to 81 lbf ft (81 lbf ft (110 Nm)).
- Repeat the drive chain adjustment check. Readjust if necessary.

WARNING

It is dangerous to operate the motorcycle with defective brakes.

If a problem is detected or any doubt exists, the brakes must be inspected by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Operation of the motorcycle with defective brakes 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 156.

Drive Chain Damage Inspection

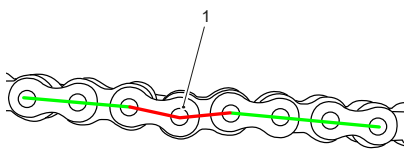
⚠ WARNING

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.

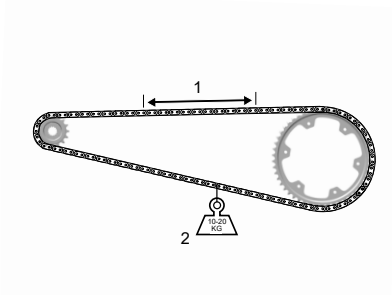


1. **Stiff link**

- 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.

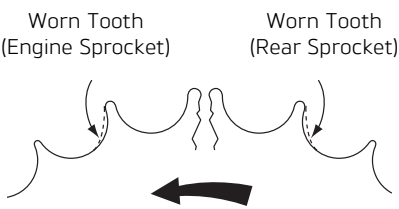
Sprockets Wear Inspection

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 156.

Final Drive Chain Guard - Removal

⚠ WARNING

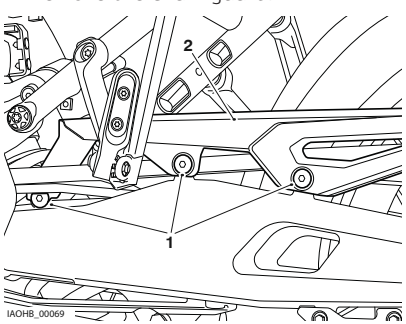
Make sure that the motorcycle is stabilized and adequately supported.

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 three fasteners and remove the chain guard.



1. **Fasteners**
2. **Chain guard**

Final Drive Chain Guard - Installation

⚠ WARNING

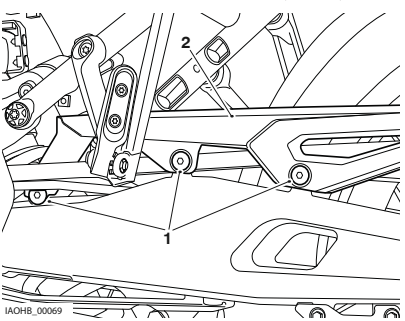
Make sure that the motorcycle is stabilized and adequately supported.

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.

- Reinstall the chain guard and tighten the fasteners to 80 lbf in (9 Nm).



1. **Fasteners**
2. **Chain guard**

Brakes

Breaking-in New Brake Discs and Pads

⚠ WARNING

Brake pads must always be replaced as a wheel set. At the front, where two calipers are installed on the same wheel, replace all the brake pads in both calipers.

After replacement brake pads have been installed, ride with extreme caution until the new pads have 'broken in'.

Replacing individual pads will reduce braking efficiency and may lead to loss of motorcycle control, which could result in serious injury or death.

New brake discs and pads require a period of careful breaking-in that will optimize the performance and longevity of the discs and pads.

The recommended distance for breaking-in new pads and discs is 200 miles (300 km).

During the breaking-in period, avoid extreme braking, ride with caution and allow for greater braking distances.

Brake Pad Wear Compensation

⚠ WARNING

If the brake lever or pedal feels soft when it is applied, or if the lever/pedal travel becomes excessive, there may be air in the brake lines and hoses or the brakes may be defective.

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

Riding with defective brakes may lead to a dangerous riding condition, leading to loss of motorcycle control, which could result in serious injury or death.

Disc and brake pad wear is automatically compensated for and has no effect on the brake lever or pedal action. There are no parts that require adjustment on the front and rear brakes.

Brake Wear Inspection

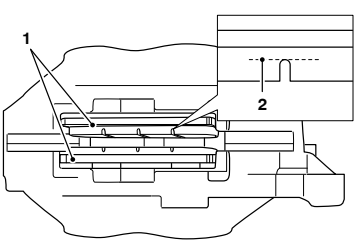
⚠ WARNING

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. **Brake pads**
2. **Minimum thickness line**

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 (front or rear brakes) is less than 0.06 in (1.5 mm), that is, if the brake pad has worn down to the bottom of the grooves, replace all the brake pads on the wheel.

Disc Brake Fluid

⚠ WARNING

Brake fluid is hygroscopic, which means it will absorb moisture from the air.

Any absorbed moisture will greatly reduce the boiling point of the brake fluid, causing a reduction in braking efficiency.

Because of this, always replace brake fluid in accordance with scheduled maintenance requirements.

Always use new brake fluid from a sealed container, and never use fluid from an unsealed container or from one that has been previously opened.

Do not mix different brands or grades of brake fluid.

Check for fluid leakage around brake installed, seals and joints and also check the brake hoses for splits, deterioration and damage.

Always rectify any faults before riding.

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

⚠ WARNING

If the 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.

NOTICE

A special tool is required to bleed the braking system. When the brake fluid needs replacing or the hydraulic system requires maintenance, contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Front Brake Fluid Level Inspection and Adjustment

⚠ 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.

NOTICE

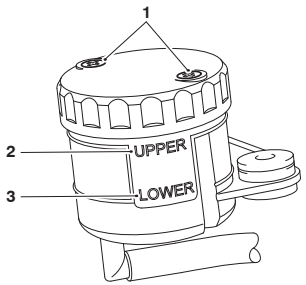
To prevent paint damage, do not spill brake fluid onto any area of the bodywork.

Spilled brake fluid will damage paintwork.

The front brake fluid reservoir is located on the right hand side handlebar.

Front Brake Fluid Level Inspection

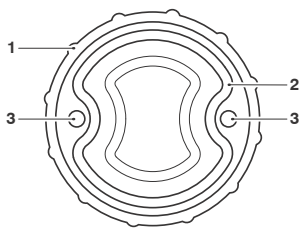
- Turn the handlebars to bring the fluid reservoir to a level position.
- Check that the level of brake fluid is between the UPPER and LOWER level lines. If required, adjust the brake fluid level.



1. **Reservoir cap retaining screws**
2. **UPPER level line**
3. **LOWER level line**

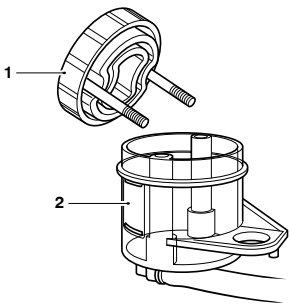
Front Brake Fluid Level Adjustment

- 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.
- Check the condition of the diaphragm seal. Replace if necessary.
- Install the diaphragm seal into the reservoir cap and make sure that the holes for the fasteners in the reservoir cap and the diaphragm seal are correctly aligned.



1. **Reservoir cap**
2. **Diaphragm seal**
3. **Reservoir cap retaining screw holes**

- Install the reservoir cap retaining screws into the reservoir cap and diaphragm seal assembly.
- Hold the assembly together and position the reservoir cap, diaphragm seal and reservoir cap retaining screws onto the reservoir.



1. **Reservoir cap, diaphragm seal and reservoir cap retaining screws assembly**
2. **Reservoir**

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 (0.7 Nm).

Rear Brake Fluid Level Inspection and Adjustment

⚠ 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.

NOTICE

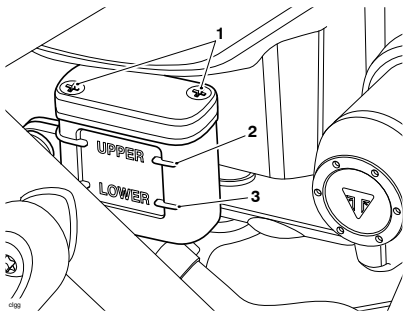
To prevent paint damage, do not spill brake fluid onto any area of the bodywork.

Spilled brake fluid will damage paintwork.

The rear brake fluid reservoir is located on the right hand side for the motorcycle, forward of the exhaust intermediate pipe, below the rider's seat.

Rear Brake Fluid Level Inspection

- Check that the level of brake fluid is between the UPPER and LOWER level lines (reservoir held horizontal). If required, adjust the brake fluid level.



1. **Reservoir cap retaining screws**
2. **UPPER level line**
3. **LOWER level line**

Rear Brake Fluid Level Adjustment

- 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.
- Check the condition of the diaphragm seal. Replace if necessary.
- Reinstall the reservoir cap making sure that the diaphragm seal is correctly positioned between the reservoir cap and reservoir body.
- Replace the reservoir cap retaining screws and tighten to 9 lbf in (1 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.

NOTICE

The right mirror arm and lock nut has a left hand thread.

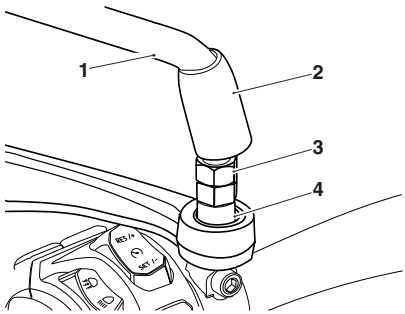
The left mirror arm and lock nut has a right hand thread.

- Lift the rubber cover to access the lock nut and mirror boss.

NOTICE

Use an open ended spanner to counter-hold the mirror boss as the mirror lock nut is loosened/tightened. Failure to counter-hold the boss will cause damage to the thread and the mirror to become loose.

- Counter-hold the mirror boss and loosen the mirror lock nut.
- Position the mirror arm to give rear visibility in the riding position and tighten the lock nut by hand.
- Counter-hold the mirror boss and tighten the mirror lock nut to 18 lbf ft (25 Nm).
- Slide the rubber cover over the lock nut.



1. **Mirror arm**
2. **Rubber cover**
3. **Lock nut**
4. **Mirror boss**

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.

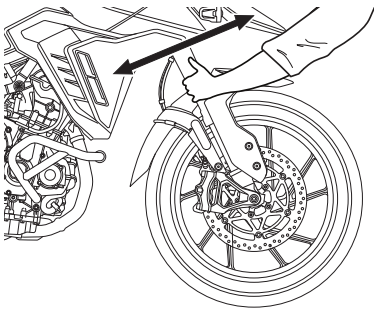
Scheduled maintenance must be carried out by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

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.

The steering head bearings must be lubricated and inspected in accordance with scheduled maintenance requirements.

NOTICE

Always inspect the wheel bearings at the same time as the steering bearings.



Inspecting the Steering for Free Play

- Position the motorcycle on level ground, in an upright position.
- Raise the front wheel above the ground and support the motorcycle.
- Standing at the front of the motorcycle, hold the lower end of the front forks and try to move them forward and backward.
- 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.

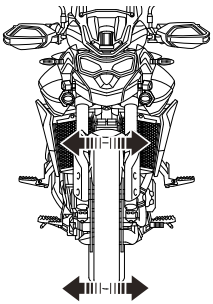
⚠ WARNING

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.

The wheel bearings must be inspected at the intervals specified in the scheduled maintenance chart.



Inspecting the Wheel Bearings

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.

- Position the motorcycle on level ground, 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.
- 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.
- Reposition the suitable stand and repeat the procedure for the rear wheel.
- Remove the support and place the motorcycle on the side stand.

Suspension

⚠ WARNING

Make sure that the correct balance between front and rear suspension adjustment is maintained.

If the rear suspension is adjusted the front suspension must also be adjusted.

Suspension imbalance may affect the handling and stability, leading to loss of motorcycle control which could result in serious injury or death.

⚠ WARNING

Make sure that the adjusters are set to the same setting on both front suspension units.

If the front suspension is adjusted make sure both front suspension units are adjusted to the same settings.

Settings that vary from left to right may affect handling and stability, leading to loss of motorcycle control which could result in serious injury or death.

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.

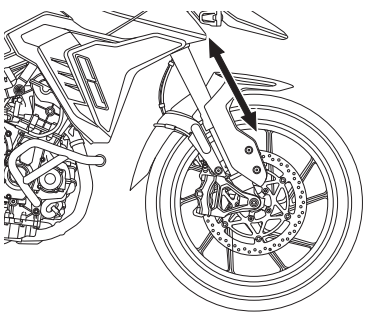
Riding with defective or damaged suspension components is dangerous and may lead to loss of motorcycle control, which could result in serious injury or death.

⚠ 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.



Inspecting the Front Forks (Tiger 900 GT Pro shown)

- 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.

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 Solo Riding (Normal) setting, as shown in the relevant suspension settings tables. The Solo suspension settings provide a comfortable ride and good handling characteristics for general, solo riding.

The details shown in the suspension settings tables are only a guide. Setting requirements may vary for rider and passenger weight and personal preferences.

An increase in spring preload requires firmer damping. A reduction in spring preload requires softer damping. The damping must be adjusted to the road conditions and the spring preload.

Tiger 900 GT, Tiger 900 GT Pro and Tiger 900 Alpine Edition

Front Suspension Settings		
Loading Condition	**Compression Damping[1]**	**Rebound Damping[1]**
Solo Riding - Normal	8	10
Solo Riding - Comfort (Softer)	15	15
Solo Riding - Sport (Firmer)	2	2
Solo Riding - Off-Road (Broken Terrain)	18	18
Solo Riding - Off-Road (Smooth Terrain)	8	6
Rider and Luggage	8	10
Rider and Passenger	8	10
Rider, Passenger and Luggage (not exceeding limits)	8	10

[1] Number of clicks counterclockwise from the fully clockwise (closed) position – noting that the first stop (click) is counted as 1.

Tiger 900 Rally Pro and Tiger 900 Desert Edition

Front Suspension Settings	
Loading Condition	**Spring Preload**[1]
Solo Riding - Normal	MIN
Solo Riding - Comfort (Softer)	MIN
Solo Riding - Sport (Firmer)	MIN
Solo Riding - Off-Road (All Terrain)	MAX
Rider and Luggage	MIN
Rider and Passenger	MIN
Rider, Passenger and Luggage (not exceeding limits)	MIN
[1] Number of adjuster turns clockwise from the fully counterclockwise position.	

Front Suspension Settings		
Loading Condition	**Compression Damping**[1]	**Rebound Damping**[1]
Solo Riding - Normal	8	8
Solo Riding - Comfort (Softer)	15	15
Solo Riding - Sport (Firmer)	3	3
Solo Riding - Off-Road (Broken Terrain)	18	18
Solo Riding - Off-Road (Smooth Terrain)	8	8
Rider and Luggage	8	8
Rider and Passenger	8	6
Rider, Passenger and Luggage (not exceeding limits)	8	6
[1] Number of clicks counterclockwise from the fully clockwise (closed) position – noting that the first stop (click) is counted as 1.		

For front suspension adjustment, see page 173 to page 174.

Tiger 900 GT

Rear Suspension Settings		
Loading Condition	**Spring Preload[1]**	**Rebound Damping[2]**
Solo Riding - Normal	MIN	1.5
Solo Riding - Comfort (Softer)	MIN	2.5
Solo Riding - Sport (Firmer)	MIN	1
Solo Riding - Off-Road (Broken Terrain)	MIN	1.25
Solo Riding - Off-Road (Smooth Terrain)	MIN	0.5
Rider and Luggage	17	1
Rider and Passenger	21	1
Rider, Passenger and Luggage (not exceeding limits)	MAX	0.5

[1] Number of adjuster turns clockwise from the fully counterclockwise position.

[2] Number of adjuster turns counterclockwise from the fully clockwise (closed) position.

Tiger 900 Rally Pro and Tiger 900 Desert Edition

Rear Suspension Settings		
Loading Condition	**Spring Preload[1]**	**Rebound Damping[2]**
Solo Riding - Normal	10.5	1.25
Solo Riding - Comfort (Softer)	10.5	2
Solo Riding - Sport (Firmer)	10.5	0.75
Solo Riding - Off-Road (Broken Terrain)	MIN	1
Solo Riding - Off-Road (Smooth Terrain)	MIN	0.5
Rider and Luggage	MAX	1
Rider and Passenger	MAX	0.75
Rider, Passenger and Luggage (not exceeding limits)	MAX	0.5

[1] Number of adjuster turns clockwise from the fully counterclockwise position.

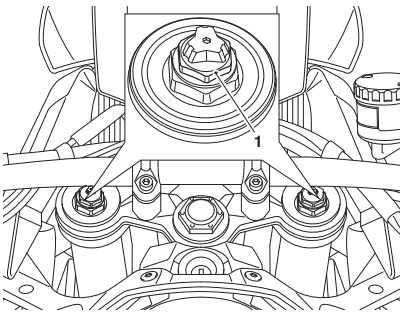
[2] Number of adjuster turns counterclockwise from the fully clockwise (closed) position.

For rear suspension adjustment, see page 175.

Front Suspension Spring Preload Adjustment

Tiger 900 Rally Pro and Tiger 900 Desert Edition

The spring preload adjuster is located at the top of each fork.



1. Spring preload adjuster

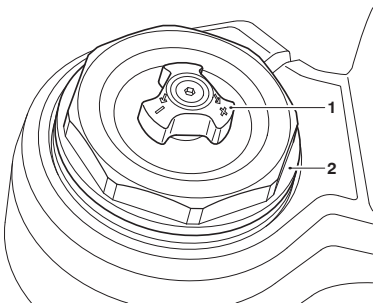
To change the front spring preload setting:

- Rotate the spring preload adjuster clockwise to increase, or counterclockwise to decrease.
- Always count the number of turns forward from the fully counterclockwise position.

Front Suspension Compression Damping Adjustment

Tiger 900 GT, Tiger 900 GT Pro and Tiger 900 Alpine Edition

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

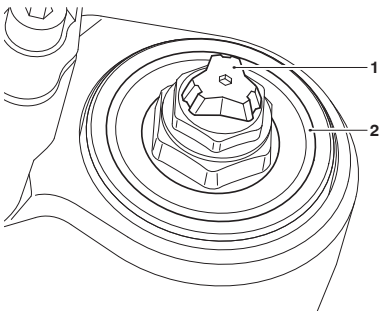


1. Compression damping adjuster
2. Fork top cap

- Rotate the compression damping adjuster clockwise to increase, or counterclockwise to decrease.
- Always count the number of clicks back from the fully clockwise (closed) position.

Tiger 900 Rally Pro and Tiger 900 Desert Edition

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



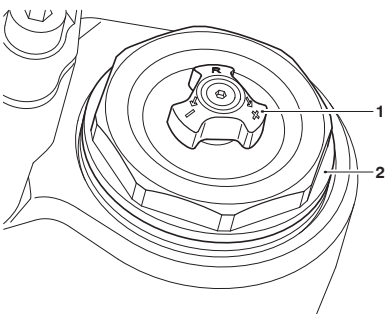
1. **Compression damping adjuster**
2. **Fork top cap**

- Rotate the compression damping adjuster clockwise to increase, or counterclockwise to decrease.
- Always count the number of clicks back from the fully clockwise (closed) position.

Front Suspension Rebound Damping Adjustment

Tiger 900 GT, Tiger 900 GT Pro and Tiger 900 Alpine Edition

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

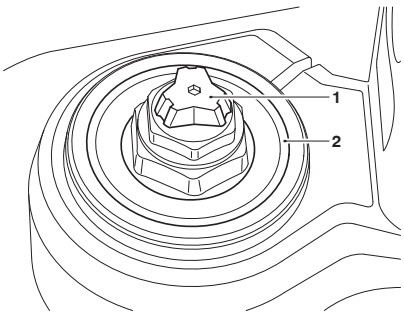


1. **Rebound damping adjuster**
2. **Fork top cap**

- Rotate the rebound damping adjuster clockwise to increase, or counterclockwise to decrease.
- Always count the number of clicks back from the fully clockwise (closed) position.

Tiger 900 Rally Pro and Tiger 900 Desert Edition

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



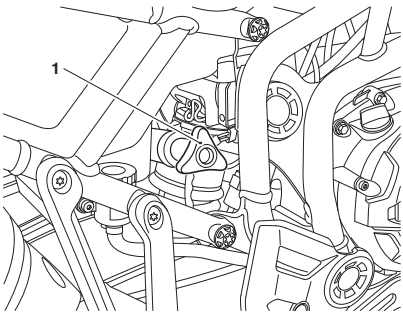
1. **Rebound damping adjuster**
2. **Fork top cap**

- Rotate the rebound damping adjuster clockwise to increase, or counterclockwise to decrease.
- Always count the number of clicks back from the fully clockwise (closed) position.

Rear Suspension Spring Preload Adjustment

Tiger 900 GT and Tiger 900 Rally Pro

The spring preload adjuster is situated on the right hand side of the motorcycle, at the top of the rear suspension unit.



1. **Spring preload adjuster**

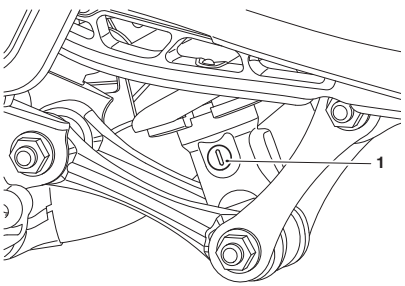
To change the spring preload setting:

- Rotate the spring preload adjuster clockwise to increase, or counterclockwise to decrease.
- The setting is measured as the number of adjuster turns clockwise from the fully counterclockwise position.

Rear Suspension Rebound Damping Adjustment

Tiger 900 GT

The rebound damping adjuster is located at the bottom of the rear suspension unit and is accessible from the left hand side of the motorcycle.



1. Rebound damping adjuster

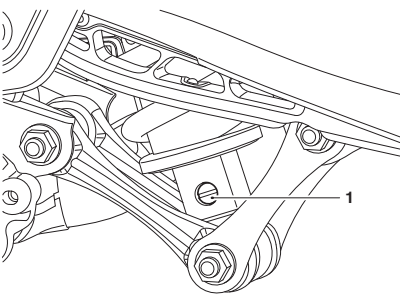
To change the rebound damping setting:

- Rotate the slotted adjuster clockwise to increase (harder suspension) and counterclockwise to decrease (softer suspension).
- The setting is measured as the number of adjuster turns counterclockwise from the fully clockwise position.

Rear Suspension Rebound Damping Adjustment

Tiger 900 Rally Pro

The rebound damping adjuster is located at the bottom of the rear suspension unit and is accessible from the left hand side of the motorcycle.



1. Rebound damping adjuster

To change the rebound damping setting:

- Rotate the slotted adjuster clockwise to increase (harder suspension) and counterclockwise to decrease (softer suspension).
- The setting is measured as the number of adjuster turns counterclockwise from the fully clockwise position.

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.

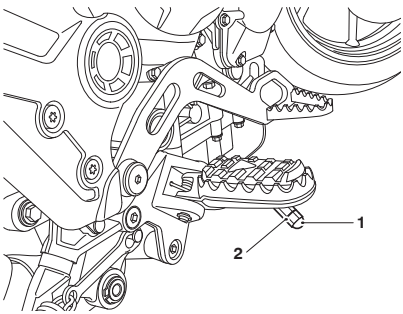
⚠ WARNING

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**
2. **Maximum wear limit groove**

Regularly check the bank angle indicators for wear.

The bank angle indicators must be replaced when they have worn down to the maximum wear limit. The maximum wear limit is shown by a groove on the bank angle indicator.

Tires



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

⚠ WARNING

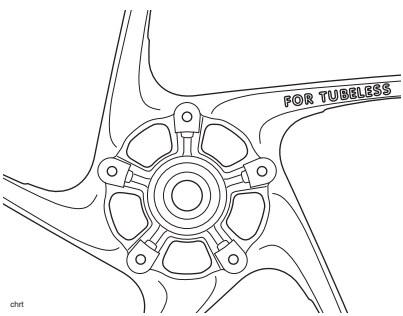
Do not install tube type tires on tubeless rims. The bead will not seat and the tires could slip on the rims, causing rapid tire deflation.

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

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



Typical Tire Marking - Tubeless Tire



Typical Cast 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 that have been reduced for off-road riding will impair on-road stability.

Always make sure that the tire pressures are set as described in the Specification section for on-road use.

Operation of the motorcycle with incorrect tire pressures may lead to loss of motorcycle control, which could result in serious injury or death.

Correct inflation pressure will provide maximum stability, rider comfort and tire life. Always check tire pressures before riding when the tires are cold. Check tire pressures daily and adjust if necessary. See the Specification section for details of the correct inflation pressures.

Tire Pressure Monitoring System (TPMS) (if equipped)

NOTICE

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

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

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

NOTICE

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

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

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

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

Only adjust tire pressures when the tires are cold using an accurate pressure gage. Do not use the tire pressure display on the instruments.

Tire Wear

As the tire tread wears down, the tire becomes more susceptible to punctures and failure. It is estimated that 90% of all tire problems occur during the last 10% of tread life (90% worn). It is recommended that tires are changed before they are worn to their minimum tread depth.

Minimum Recommended Tread Depth

⚠ WARNING

Riding with damaged or defective wheels and/or excessively worn, punctured or damaged tires will affect traction, handling and stability.

When tubeless tires become punctured, leakage is often very slow. Always inspect tires very closely for punctures. Check the tires for cuts, embedded nails or other sharp objects. Check the wheel rims for dents or deformation.

For tire replacement or for a safety inspection of the tires, contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Riding with damaged wheels and tires is dangerous and may lead to loss of motorcycle control, which could result in serious injury or death.

In accordance with the periodic maintenance chart, measure the depth of the tread with a depth gage, and replace any tire that has worn to, or beyond the minimum allowable tread depth specified in the table below:

Under 80 mph (130 km/h)	0.08 in (2 mm)
Over 80 mph (130 km/h)	Front 0.08 in (2 mm) Rear 0.12 in (3 mm)

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

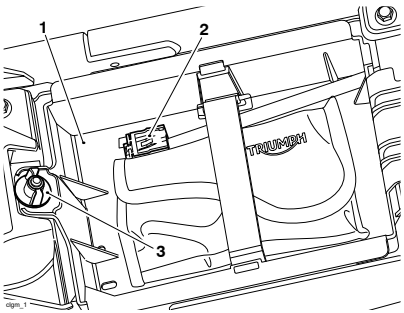
Make sure that the battery terminals do not touch the motorcycle frame.

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.

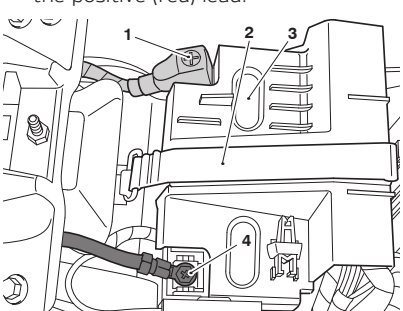
- Remove the seats, see page 96.
- Loosen and remove the tool kit tray fastener (if equipped with the tool kit tray).

- Lift the tool kit tray up and to the rear of the motorcycle until it stops in an upright position.



1. **Tool kit tray (if equipped)**
2. **Diagnostic connector**
3. **Tool kit tray fastener**

- Remove the battery strap.
- Remove the battery cover, noting the orientation of the cover and the leads.
- Disconnect the battery leads, negative (black) lead first and then the positive (red) lead.



1. **Positive (+) terminal**
2. **Battery strap**
3. **Battery cover**
4. **Negative (-) terminal**

- Remove the battery out of the case.

Battery Disposal

Should the battery ever require replacement, the original battery must be handed to a recycling agent who will make sure that the dangerous substances from which the battery is manufactured do not pollute the environment.

Battery Maintenance

⚠ WARNING

Battery acid is corrosive and poisonous and will cause damage to unprotected skin.

Never swallow battery acid or allow it to come into contact with the skin.

To prevent injury, always wear eye and skin protection when handling the battery.

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

The battery is a sealed type and does not require any maintenance other than checking the voltage and routine recharging when required, such as during storage.

Clean the battery using a clean, dry cloth. Make sure that the cable connections are clean.

It is not possible to adjust the battery acid level in the battery; the sealing strip must not be removed.

Battery Discharge

NOTICE

The charge level in the battery must be maintained to maximize battery life.

Failure to maintain the battery charge level could cause serious internal damage to the battery.

Under normal conditions, the motorcycle charging system will keep the battery fully charged. However, if the motorcycle is unused, the battery will gradually discharge due to a normal process called self-discharge; the clock, engine ECM memory, high ambient temperatures, or the addition of electrical security systems or other electrical accessories will all increase this rate of battery discharge. Disconnecting the battery from the motorcycle during storage will reduce the rate of discharge.

Battery Discharge During Storage and Infrequent Use of the Motorcycle

During storage or infrequent use of the motorcycle, inspect the battery voltage weekly using a multimeter. Follow the manufacturer's instructions supplied with the meter.

Should the battery voltage fall below 12.7 Volts, the battery should be charged.

Allowing a battery to discharge or leaving it discharged for even a short period of time causes sulphation of the lead plates. Sulphation is a normal part of the chemical reaction inside the battery, however over time the sulphate can crystallize on the plates making recovery difficult or impossible. This permanent damage is not covered by the motorcycle warranty, as it is not due to a manufacturing defect.

Keeping the battery fully charged reduces the likelihood of it freezing in cold conditions. Allowing a battery to freeze will cause serious internal damage to the battery.

Battery Charging

⚠ WARNING

The battery contains sulfuric acid (battery acid). Contact with skin or eyes may cause severe burns. Wear protective clothing and a face shield.

If battery acid gets on your skin, flush with water immediately.

If battery acid gets in your eyes, flush with water for at least 15 minutes and SEEK MEDICAL ATTENTION IMMEDIATELY.

If battery acid is swallowed, drink large quantities of water and SEEK MEDICAL ATTENTION IMMEDIATELY.

KEEP BATTERY ACID OUT OF THE REACH OF CHILDREN.

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

NOTICE

Do not use an automotive quick charger as it may overcharge and damage the battery.

For help with selecting a battery charger, checking the battery voltage or battery charging, contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

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.

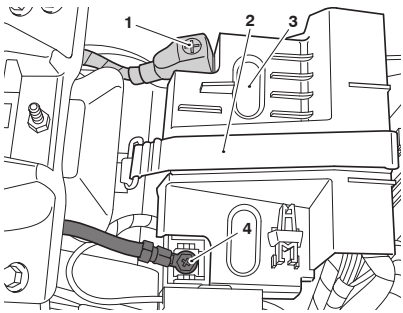
⚠ WARNING

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.

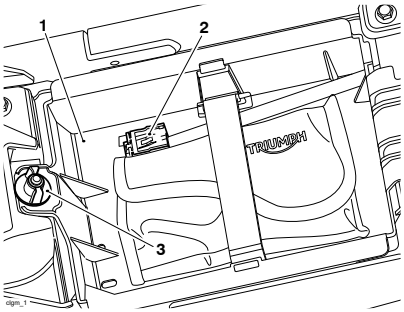
- Place the battery in the battery case.
- Reconnect the battery, positive (red) lead first and then the negative (black) lead.
- Tighten the battery terminals to 40 lbf in (4.5 Nm).



1. **Positive (+) terminal**
2. **Battery strap**
3. **Battery cover**
4. **Negative (-) terminal**

- Apply a light coat of grease to the terminals to prevent corrosion.
- Cover the positive terminal with the red protective cap.

- Reinstall the battery cover.
- Reinstall the battery strap.
- Lower the tool kit tray (if equipped) into its original location. Reinstall and tighten the tool kit tray fastener.



1. **Tool kit tray (if equipped)**
2. **Diagnostic connector**
3. **Tool kit tray fastener**

- Place the diagnostic connector and any other loose items securely in the tool kit tray.
- Reinstall the seats, see page 97.

Fuses

⚠ 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

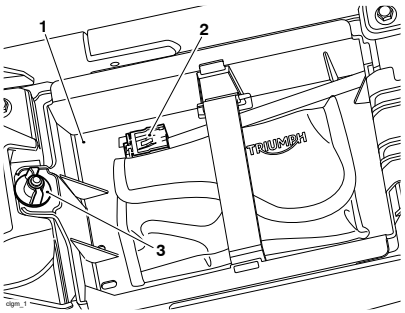
A blown fuse is indicated when all of the systems protected by that fuse become inoperative. When checking for a blown fuse, use the tables to establish which fuse has blown.

If the motorcycle is equipped with rider mode settings, then before disconnecting the battery or removing a fuse, note and record the rider mode settings. Once the fuse has been reinstalled or the battery reconnected then the rider mode settings should be reset as noted.

Fuse Box Locations

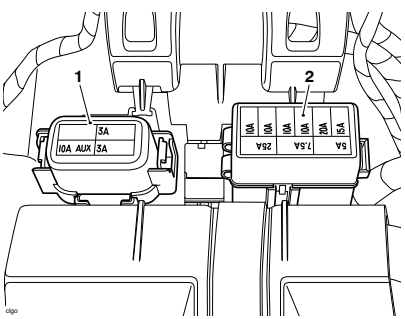
The fuse boxes are located beneath the rider's seat. To allow access to the fuse boxes, the passenger seat and then the rider's seat must be removed (see page 96).

- Loosen and remove the tool kit tray fastener.



1. **Tool kit tray (if equipped)**
2. **Diagnostic connector**
3. **Tool kit tray fastener**

- Lift the tool kit tray up and to the rear of the motorcycle to access the fuse boxes.



1. **Fuse box 1**
2. **Fuse box 2**

NOTICE

The starter solenoid has an additional 30 Amp fuse, attached directly to the solenoid under the battery, beneath the rider's seat.

Fuse Identification

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

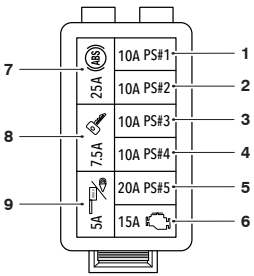
Spare fuses are located on the inside of the fuse box covers and should be replaced if used.

All Models

Main Fuse

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

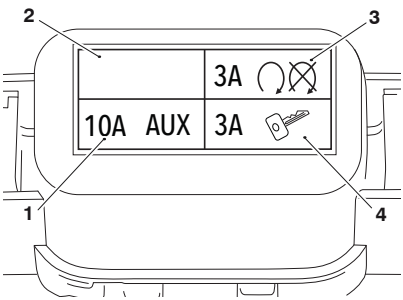
Fuse Box 1



Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - Chassis ECM, cooling fan (right hand side), horn, fog lights, license plate light, rear position light	10
Fuse 2 - Chassis ECM, brake light, dip beam headlight, front position/DRL control, instrument wake, front turn signals, heated grips	10
Fuse 3 - Chassis ECM, heated seats, high beam headlight, rear turn signals, USB charger, front position/DRL power	10
Fuse 4 - Chassis ECM, passenger accessory socket	10
Fuse 5 - Chassis ECM, cooling fan (left hand side), starter motor solenoid, fuel pump	20
Fuse 6 - Engine Management System (EMS)	15
Fuse 7 - Anti-lock Braking System (ABS)	25
Fuse 8 - Ignition switch, instruments	7.5
Fuse 9 - Diagnostics connector (OBDII), alarm	5

Tiger 900 GT, Tiger 900 GT Pro and Tiger 900 Alpine Edition

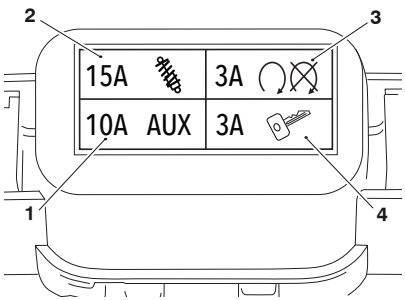
Fuse Box 2



Fuse Number and Circuit Protected	Rating (Amps)
Fuse 1 - Accessory socket	10
Fuse 2 - Empty	-
Fuse 3 - Engine run/stop switch	3
Fuse 1 - Accessory socket	N/A

Tiger 900 GT Pro and Tiger 900 Alpine Edition

Fuse Box 2



Fuse Number and Circuit Protected	Rating (Amps)
Fuse 2 - Suspension ECM	15
Fuse 3 - Engine run/stop switch	3
Fuse 4 - Ignition switch	N/A

Lights

NOTICE

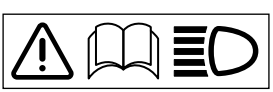
The use of non-approved bulbs may result in damage to lenses and other lighting unit components.

In addition, the use of bulbs of incorrect wattage may cause the chassis ECM to cut power to affected lighting circuits.

Use genuine Triumph supplied bulbs, as specified in the Triumph Parts Catalog.

Always have replacement bulbs installed by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Headlight(s)



⚠ WARNING

Adjust road speed to suit the visibility and weather conditions in which the motorcycle is being operated.

Make sure that the headlight beam is adjusted to illuminate the road surface sufficiently far ahead, without blinding oncoming traffic.

An incorrectly adjusted headlight may impair visibility for oncoming traffic, leading to an accident, which could result in serious injury or death.

⚠ WARNING

Never attempt to adjust a headlight beam when the motorcycle is in motion.

Any attempt to adjust a headlight beam when the motorcycle is in motion may lead to loss of motorcycle control.

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

NOTICE

Do not cover the headlight or lens with any item likely to obstruct air flow to, or prevent heat escaping from, the headlight lens. For example:

- Items of clothing or luggage
- Adhesive tape
- Devices intended to alter or adjust the headlight beam
- Non-genuine headlight lens covers.

Covering the headlight lens during operation will cause the headlight lens to overheat and distort, causing irreparable damage to the headlight assembly.

Damage caused by overheating is not considered a manufacturing defect and will not be covered under warranty.

If the headlight must be covered during use - such as taping of the headlight lens required during closed-course conditions - the headlight must be disconnected.

NOTICE

The use of non-approved headlight units may result in damage to the headlight unit and/or motorcycle.

Use a genuine Triumph supplied headlight unit, as specified in the Triumph Parts Catalog.

Always have replacement headlight units installed by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Condensation

NOTICE

If condensation inside the headlight does not clear, we recommend that the headlight is inspected by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

In certain conditions, condensation may occur inside the headlight.

Condensation may happen while it is raining or after washing the motorcycle.

Condensation inside the headlight will gradually disappear with the headlight on while riding the motorcycle.

Time for evaporation will vary depending on the humidity of the ambient air.

Headlight(s) Adjustment

The headlights can be adjusted by means of a vertical adjustment screw located on the rear of the headlight unit. There is no horizontal adjustment.

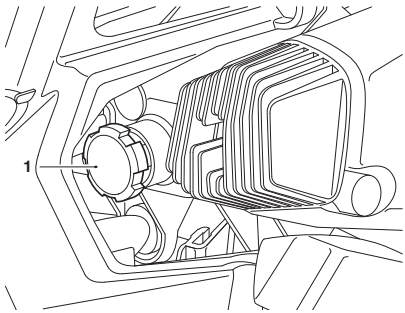
NOTICE

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.

- Switch the ignition on. The engine does not need to be running.
- Switch the headlight dipped beam on.
- Turn the vertical adjustment screw on the headlight unit clockwise to lower the beam or counterclockwise to raise the beam.



1. Vertical adjustment screw

- Switch the headlights off when the beam settings are satisfactorily set.

NOTICE

There is a small triangle marking on each side of the headlight unit which indicates the height of the light within the headlight unit for adjustment purposes.

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.

Daytime Running Light (DRL) (if equipped)

The Daytime Running Light (DRL) is situated within the headlight assembly and is a sealed, maintenance-free LED unit. The headlight unit must be replaced in the event of the failure of the DRL.

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.

Front Fog Lights (if equipped)

The fog light units are sealed, maintenance-free LED units. The fog light unit must be replaced in the event of the failure of the fog 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 use compressed air to dry the motorcycle.

Use of compressed air may damage seals and cause water to be forced into bearings and other components causing premature wear from corrosion and loss of lubrication.

NOTICE

Do not spray any water at all near the air intake duct.

The air intake duct is located under the rider's seat, under the fuel tank or near the steering head.

Any water sprayed in this area could enter the airbox and engine, causing damage to both items.

Do not get water near the following places:

- Air and any intake duct
- Any visible electrical components
- Brake cylinders and brake calipers
- Handlebar switch housings
- Steering head bearings
- Instruments (if equipped)
- Oil filler cap
- Rear bevel box breather (if equipped)
- Rear of headlights (if equipped)
- Seats
- Suspension seals and bearings
- Steering damper (if equipped)
- Under the fuel tank
- Wheel bearings.

Washing

To wash the motorcycle, do the following:

- Make sure that the motorcycle engine is cold.
- Prepare a mixture of clean, cold water and mild automotive cleaner or low alkaline soap.
- Do not use a highly alkaline soap as commonly found at commercial car washes because it will leave a residue on painted surfaces and may also cause water spotting.
- Wash the motorcycle with a sponge or soft cloth.
- Do not use abrasive scouring pads or steel wool. They will damage the finish.
- Rinse the motorcycle thoroughly with clean, cold water.

Do not use the following:

- Do not use high pressure spray washers or steam cleaners.
- Do not use compressed air to dry the motorcycle.

After Washing

⚠ WARNING

Never wax or lubricate the brake discs.

Always clean the brake disc with a proprietary brand of oil-free brake disc cleaner.

Waxed or lubricated brake discs may lead to loss of motorcycle control which could result in serious injury or death.

After washing the motorcycle, do the following:

- Remove the plastic bags and tape, and clear the air intakes.
- Lubricate the pivots, bolts and nuts.
- Test the brakes before motorcycle operation.
- Use a dry cloth or chamois leather to absorb water residue. Do not allow water to stand on the motorcycle as this will lead to corrosion.
- Start the engine and run it for 5 minutes. Make sure that there is adequate ventilation for the exhaust fumes.

Gloss Paintwork Care

Gloss paintwork should be washed and dried as described previously, then protected using a high quality automotive wax polish. Always follow the manufacturer's instructions and repeat regularly to maintain your motorcycle's appearance.

Matt Paintwork Care

Matt paintwork requires no greater care than that already recommended for gloss paintwork. Note the following:

- Do not use any polish or wax on matt paintwork.
- Do not try and polish out scratches.

Aluminum Items - not Lacquered or Painted

Items such as brake and clutch levers, wheels, engine covers, engine cooling fins, upper and lower yokes and throttle bodies on some models must be correctly cleaned to preserve their appearance. Please contact your dealer if you are not sure which components on your motorcycle are aluminum parts not protected by paint or lacquer, and for guidance on how to clean those items.

Use a proprietary brand of aluminum cleaner that does not contain abrasive or caustic elements.

Clean aluminum items regularly, in particular after use in inclement weather, where the components must be hand washed and dried each time the machine is used.

Warranty claims due to inadequate maintenance will not be allowed.

Chrome and Stainless Steel Care

All chrome and stainless steel parts of your motorcycle must be cleaned regularly to avoid a deterioration of its appearance.

Washing

Wash as previously described.

Drying

Dry the chrome and stainless steel parts as far as possible with a soft cloth or chamois leather.

Protecting

NOTICE
The use of products that contain silicone will cause discoloration of the chrome and stainless steel parts, and must not be used.
The use of abrasive cleaning products will damage the finish, and must not be used.

When the chrome and stainless steel is dry, apply a suitable proprietary chrome cleaner on to the surface, following the manufacturer's instructions.

It is recommended that regular protection be applied to the motorcycle as this will both protect and enhance its appearance.

Black Chrome Care

Items such as headlight bowls and mirrors on some models must be correctly cleaned to preserve their appearance. Please contact your dealer if you are not sure which components on your motorcycle are black chrome parts. Maintain the appearance of black chrome items by rubbing a small amount of light oil into the surface.

Exhaust System Care

All parts of the exhaust system of your motorcycle must be cleaned regularly to avoid a deterioration of its appearance. These instructions can be applied to chrome, brushed stainless steel and carbon fiber components. Matt painted exhaust systems should be cleaned as above, noting the care instructions in the Matt Paintwork section previously.

The exhaust system must be cool before washing to prevent water spotting.

Washing

Wash as previously described.

Make sure that no soap or water enters the exhausts.

Drying

Dry the exhaust system as far as possible with a soft cloth or chamois leather. Do not run the engine to dry the system or spotting will occur.

Protecting

NOTICE

The use of products that contain silicone will cause discoloration of the chrome and stainless steel parts, and must not be used.

The use of abrasive cleaning products will damage the finish, and must not be used.

When the exhaust system is dry, apply a suitable proprietary motorcycle protection spray onto the surface, following the manufacturer's instructions.

It is recommended that regular protection be applied to the system as this will both protect and enhance the system's appearance.

Seat Care

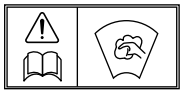
NOTICE

Do not use chemicals or high pressure spray washers to clean the seat.

Using chemicals or high pressure spray washers may damage the seat cover.

To help maintain its appearance, clean the seat using a sponge or cleaning cloth with soap and water.

Windshield Care (if equipped)



⚠ WARNING

Never attempt to clean the windshield while riding the motorcycle.

Removal of the rider's hands from the handlebars while riding the motorcycle will diminish the ability of the rider to maintain the control of the motorcycle.

Attempting to clean the windshield while riding the motorcycle may lead to loss of motorcycle control, which could result in serious injury or death.

NOTICE

Corrosive chemicals, such as battery acid, will damage the windshield. Never allow corrosive chemicals to come into contact with the windshield.

NOTICE

Products such as window cleaning fluids, insect remover, rain repellent, scouring compounds, gasoline or strong solvents such as alcohol, acetone, carbon tetrachloride, will damage the windshield.

Never allow these products to come into contact with the windshield.

Clean the windshield with a solution of mild soap or detergent and clean cold water.

After cleaning, rinse well and then dry with a soft, lint-free cloth.

If the transparency of the windshield is reduced by scratches or oxidation, which cannot be removed, the windshield must be replaced.

Leather Products Care

We recommend that the leather products are periodically cleaned with a damp cloth and allowed to dry naturally at room temperature. This will maintain the appearance of the leather and ensure the long life of the product.

The Triumph leather product is a natural product and lack of care can result in damage and permanent wear.

Follow these simple instructions to prolong the life of the leather product:

- Do not use household cleaning products, bleach, detergents containing bleach or any kind of solvent to clean the leather product.
- Do not immerse the leather product in water.
- Avoid direct heat from fires and radiators, which can dry out and distort the leather.
- Do not leave the leather product in direct sunlight for prolonged periods of time.
- Do not dry the leather product by applying direct heat to it at any time.

- If the leather product does get wet, absorb any excess water with a soft, clean cloth then leave the leather product to dry naturally at room temperature.
- Avoid exposure of the leather product to high levels of salt, for example sea/salt water or road surfaces that have been treated during the winter for ice and snow.
- If exposure to salt is unavoidable, clean the leather product immediately after each exposure using a damp cloth, then leave the leather product to dry naturally at room temperature.
- Gently clean any minor marks with a damp cloth then leave the leather product to dry naturally at room temperature.
- Place the leather product in a fabric bag or cardboard box to protect it when in storage. Do not use a plastic bag.

Monsoon/Rainy Season Care

During the Monsoon/Rainy season, extra care is required in order to obtain consistent performance of your motorcycle.

Always observe the following:

- Make sure that the motorcycle is parked in a covered area. If a covered area is not available, make sure to put a suitable waterproof breathable cover over the motorcycle.
- Make sure that the tires are in a good condition.
- Check and, if necessary, correct the tire pressures.

NOTICE

If the drive chain gets contaminated by mud, we recommend that the drive chain is cleaned and lubricated before riding.

- The drive chain should be cleaned and lubricated every 200 miles (300 km) using Triumph Performance chain lubricant.

⚠ WARNING

When using the motorcycle on loose, wet or muddy roads, braking effectiveness will be reduced by dust, mud or moisture collecting on the brakes.

Always brake earlier in these conditions to make sure that brake surfaces are cleaned by the braking action.

Riding the motorcycle with brakes contaminated with dust, mud or moisture may lead to loss of motorcycle control, which could result in serious injury or death.

- Check that the front and rear brakes are functioning correctly.
- Make sure that you wear appropriate waterproof clothing suitable for motorcycles.
- Never ride the motorcycle through floods as water may enter the engine. Water entering the engine may cause engine damage. Damage caused by water entering the engine is not covered by the motorcycle warranty, as it is not due to a manufacturing defect.
- If the motorcycle is parked and water level rises around the motorcycle, do not try to start the engine. The motorcycle should be inspected for water ingress before starting the engine. Inspections and repairs must be completed by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Storage

Preparation for Storage

To prepare the motorcycle for storage, do the following:

- Clean and dry the entire vehicle thoroughly.
- Fill the fuel tank with the correct grade of unleaded fuel and add a fuel stabilizer (if available), following the fuel stabilizer manufacturer's instructions.

⚠ 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.

- Remove the spark plug 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. Install the spark plugs, tightening to 9 lbf ft (12 Nm).
- Change the engine oil and filter, see page 142.
- Check and if necessary correct the tire pressures, see page 223.

- 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 151.
- 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 145.
- 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 186.
- 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 188.
- If the motorcycle has been stored for more than four months, change the engine oil, see page 142.
- 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 oil pressure light goes out.
- Reinstall the spark plugs, tightening to 9 lbf ft (12 Nm), and start the engine.
- Check and if necessary correct the tire pressures, see page 223.
- Check and if necessary adjust the drive chain tension, see page 152.
- 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.

The warranty does not cover:

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

[1] Misuse includes any use not in accordance with the recommendations made in the 'how to ride the motorcycle' section of the Owner's Handbook and any use contrary to the warnings given in that same handbook. In addition, misuse will include, but not be limited to any use of the motorcycle which does not constitute normal use.

- Defects caused by the use of parts and accessories not authorized by TRIUMPH MOTORCYCLES AMERICA LIMITED.
- The cost of removal and replacement of parts and accessories, unless supplied as original equipment, or recommended by TRIUMPH MOTORCYCLES AMERICA LIMITED.
- The cost of transportation of the motorcycle to or from the authorized Triumph dealer, or expenses incurred while the motorcycle is unable to be ridden due to warranty repairs.
- Normal servicing and normal service items, such as spark plugs, oil and air filters are not covered by this warranty. Similarly, items which are expected to wear as part of their normal function such as tires, bulbs, chains, brake pads and clutch plates are also excluded, unless there is a manufacturing defect.
- Defects to the front fork oil seals as they are subject to wear and tear, including but not limited to damage caused by stone chips to the inner fork tubes.
- Seats, luggage, paint, chrome, polished aluminum items, or trim deterioration or fading caused by normal wear and tear, exposure, or lack of correct maintenance.
- Motorcycles used on a commercial basis.
- Defects which have not been reported to an authorized dealer within ten days of discovery of the defect.
- Motorcycles which have been inadequately lubricated, or for which the wrong fuel or lubricant has been used.
- Damages due to water submersion and/or foreign material ingestion.

Should a warranty claim become necessary, Triumph Motorcycles and its authorized dealers shall not be liable for loss of use, inconvenience, lost time, commercial losses or other incidental or consequential damages.

This warranty shall be governed by and construed in accordance with the laws of England and Wales, save that in the event of any material conflict or inconsistency between such application to this warranty of the laws of England and Wales and local statutory rights that would otherwise be applicable to Triumph customers (dealerships or consumers) purchasing Triumph products in another country, those local statutory rights shall take precedence.

The competent courts of England and Wales shall have primary authority to settle any questions, claims or disputes which may arise under or in connection with this warranty, save that to the extent that any such issue arising requires the consideration and interpretation of applicable local statutory rights applicable to a customer purchasing Triumph products in another country, the customer may seek to take proceedings in any competent court of that country.

Any statement, condition, representation, description, or warranty otherwise contained in any catalog, advertisement or other publication shall not be construed as enlarging, varying or overriding anything contained herein.

Triumph Motorcycles reserve the right to make alterations or improvements without notification to any model or motorcycle without obligation to do so to motorcycles already sold.

This warranty does not affect your statutory rights.

Noise Control System Warranty

NOTICE

This product should be checked for repair or replacement if the motorcycle noise has increased significantly through use, otherwise the owner may become subject to penalties under state and local ordinances.

The following warranty applies to the noise control system and is in addition to the general Triumph warranty and the emission control warranty.

Per 40 C.F.R. § 205.173-1, Triumph Motorcycles America Limited, warrants that this exhaust system, at the time of sale, meets all applicable U.S E.P.A. federal noise standards. This warranty extends to the first person who buys this exhaust system for purposes other than resale, and to all subsequent buyers. Warranty claims should be directed to an authorized Triumph Motorcycles America dealer.

Triumph Motorcycles America Limited warrants to the first, and each subsequent owner, that the vehicle was designed and built so as to conform, at the time of sale, with the regulations of the U.S. Environmental Protection Agency (as tested following F-76 Drive-By test procedure) and, at the time of manufacture, was free from defects in materials and workmanship which would cause the motorcycle not to meet the U.S. Environmental Protection Agency Standards. This noise control system warranty extends for a period of 1 calendar year or 3,730 miles (6,000 km) whichever occurs first from the date on which the motorcycle was delivered to the first retail purchaser or, in the case of a demonstration motorcycle or company motorcycle, the date on which the company placed the motorcycle in service prior to retail sale.

Tampering With The Noise Control System Prohibited

Owners are warned that the law prohibits:

(a) The removal or rendering inoperative by any person other than for purposes of maintenance, repair or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use and

(b) the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

Acts which are likely to constitute tampering include the following:

- Removal or tampering with the mufflers, baffles or header pipes or any other component which conducts exhaust gases.
- Removal of or puncturing of any part of the air intake system.
- Failure to carry out maintenance as prescribed in the owner's manual.
- Replacement of any parts of the exhaust or air intake system with parts other than those specified by Triumph Motorcycles America Limited.

The following items are not covered by the noise control system warranty:

- Failures which arise through misuse, alterations or accident damage.
- Replacing, removing, or modifications of any part of the noise control system (consisting of the exhaust system and air intake system) with parts not certified to be noise legal for street use.
- Triumph Motorcycles America Limited and its authorized dealers shall not be liable for loss of use, inconvenience, lost time, commercial losses or other incidental or consequential damages.
- Any motorcycle which has had the odometer recorded mileage changed so that the correct mileage of the motorcycle cannot be accurately determined.

Emission Control System Warranty

The following warranty applies to the emission control system and is in addition to the general Triumph warranty and the noise control system warranty.

Triumph Motorcycles America Limited warrants to the first, and each subsequent owner, that the vehicle was designed and built so as to conform, at the time of sale, with the regulations of the U.S. Environmental Protection Agency and the California Air Resources Board and, at the time of manufacture, was free from defects in materials and workmanship which would cause the motorcycle not to meet the U.S. Environmental Protection Agency or California Air Resources Board Standards. This emission control system warranty extends for a period of 5 calendar years or 18,641 miles whichever occurs first, from the date on which the motorcycle was delivered to the first retail purchaser or, in the case of a demonstration motorcycle or company motorcycle, the date on which the company placed the motorcycle in service prior to retail sale.

The following are not covered by the emission control system warranty:

- Failures which arise through misuse, alterations, accident damage or failure to carry out maintenance as described in the owner's manual.
- The replacement of any parts required in the maintenance of the emission control system.
- Triumph Motorcycles America Limited and its authorized dealers shall not be liable for loss of use, inconvenience, lost time, commercial losses or other incidental or consequential damages.
- Any motorcycle which has had the odometer recorded mileage changed so that the correct mileage of the motorcycle cannot be accurately determined.

California Emissions Control Warranty Statement

Your warranty rights and obligations

The California Air Resources Board and Triumph Motorcycles America Limited are pleased to explain the emission control system on your motorcycle. In California, new motor vehicles must be designed, built and equipped to meet the State's stringent anti-smog standards. Triumph Motorcycles America Limited must warrant the emission control system on your motorcycle for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your vehicle.

Your emission control system may include parts such as the fuel injection and the ignition systems. Also included may be hoses, connectors and other emission related assemblies.

Where a warrantable condition exists, Triumph Motorcycles America Limited will repair your motorcycle at no cost to you including diagnosis, parts and labor.

Manufacturer's Warranty Coverage

For a period of use of five years or 18,641 miles, whichever first occurs: If an emission related part on your motorcycle is defective, the parts will be repaired or replaced by Triumph Motorcycles America Limited. This is your emission control system DEFECTS WARRANTY.

Owner's Warranty Responsibility

As the motorcycle owner, you are responsible for the performance of the required maintenance listed in your owner's manual.

Triumph Motorcycles America Limited recommends that you retain all receipts covering maintenance on your motorcycle, but Triumph Motorcycles America Limited cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

You are responsible for presenting your motorcycle to a Triumph Motorcycles America Limited dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

As the motorcycle owner, you should also be aware that Triumph Motorcycles America Limited may deny you warranty coverage if your motorcycle or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, you should contact Triumph Motorcycles America Limited, Warranty Service Department, 1070 White Street SW, Suite B, Atlanta, GA 30310 (telephone 678 854 2010), or the California Air Resources Board at 4001 Iowa Avenue, Riverside, California 92507.

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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Tiger 900 GT

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	Tiger 900 GT
Maximum payload (rider, passenger, luggage and accessories)	489 lb (222 kg)

Engine	Tiger 900 GT
Engine configuration	3 cylinder 12 valve DOHC
Arrangement	Transverse in-line
Displacement	54.2 cu in (888 cc)
Bore x stroke	3.07 x 2.44 in (78.0 x 61.9 mm)
Compression ratio	13.0:1
Cylinder numbering	Left to right (no.3 adjacent to camshaft drive chain)
Cylinder sequence	Number 1 at left
Firing order	1-3-2
Starting system	Electric starter

Lubrication	Tiger 900 GT
Lubrication system	Pressure lubrication, wet sump
Engine Oil Capacities:	
Oil capacity (dry fill)	0.96 gallons (3.65 liters)
Oil capacity (wet fill including oil filter)	0.83 gallons (3.15 liters)
Oil capacity (wet fill excluding oil filter)	0.78 gallons (2.95 liters)

Cooling System	Tiger 900 GT
Coolant type	Triumph D2053 OAT coolant (premixed)
Coolant ratio	50/50 (premixed as supplied by Triumph)
Cooling system capacity	0.59 gallon (2.25 liters)
Thermostat opening temperature (nominal)	190°F (88°C) +/- 35°F (2°C)

Fuel System	Tiger 900 GT
Fuel injection system	Electronic, sequential
Injector type	Twin jet, solenoid operated plate valve
Fuel pump type	Submerged electric
Fuel pressure (nominal)	50.8 lb/in² (3.5 bar)

Fuel	Tiger 900 GT
Fuel type	Unleaded, 91 RON (U.S. 87 CLC/AKI)
Fuel tank capacity	5.28 gallons (20 liters)
Low fuel indicator light	0.74 gallons (2.8 liters)

Ignition	Tiger 900 GT
Ignition system	Digital inductive
Electronic rev. limiter	10,000 rpm
Spark plug type	NGK CR9EK
Spark plug gap	0.03 in +0.002/-0.004 in (0.7 mm +0.05/-0.1 mm)

SPECIFICATIONS

Transmission	Tiger 900 GT
Transmission type	6 speed, constant mesh
Clutch type	Wet, multi-plate, slip and assist
Chain type	DID O-ring
Number of links	122
Chain length (20 links)	12.56 in (319 mm)
Primary drive ratio	1.652:1 (76/46)
Final drive ratio	3.125:1 (50/16)
Gear ratios - 1st gear	2.615:1 (34/13)
Gear ratios - 2nd gear	1.857:1 (39/21)
Gear ratios - 3rd gear	1.500:1 (36/24)
Gear ratios - 4th gear	1.286:1 (27/21)
Gear ratios - 5th gear	1.107:1 (31/28)
Gear ratios - 6th gear	0.967:1 (29/30)

⚠ 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.

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	Tiger 900 GT
Tire Sizes:	
Front tire size	100/90-19 57V
Rear tire size	150/70R17 69V
Tire Pressures (Cold):	
Front tire pressure	36 lb/in² (2.48 bar)
Rear tire pressure	42 lb/in² (2.9 bar)

⚠ 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 tire pressure table 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.

⚠ WARNING

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

Where these tires may be mounted, the permissible maximum speed will be indicated by a sticker, positioned so that it is clearly visible to the rider.

A list of approved tires, and any maximum speed restrictions, is available from your authorized Triumph dealer, or on the Internet at www.triumph.co.uk.

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

Electrical Equipment	Tiger 900 GT
Battery type	YT12A-BS
Battery rating	12 Volt - 10 Ah
Alternator rating	14 Volt, 34.1 Amp at 6,000 rpm
Headlight	LED
Tail/brake light	LED
Turn signal lights	LED
Fog lights (if equipped)	LED

Torque Figures	Tiger 900 GT
Battery terminal fasteners	40 lbf in (4.5 Nm)
Chain adjuster lock nut	11 lbf ft (15 Nm)
Chain guard (upper)	80 lbf in (9 Nm)
Clutch cable adjuster nuts	27 lbf in (3 Nm)
Mirror lock nut	18 lbf ft (25 Nm)
Oil filter	89 lbf in (10 Nm)
Rear wheel spindle nut	81 lbf ft (110 Nm)
Spark plugs	9 lbf ft (12 Nm)
Sump plug	18 lbf ft (25 Nm)

Fluids and Lubricants	Tiger 900 GT
Bearings and pivots	Triumph Performance RG2 grease (NLGI 2)
Brake fluid	Triumph Performance DOT 4 brake fluid
Coolant	Triumph D2053 OAT coolant (premixed)
Drive chain	Triumph Performance chain lubricant
Engine oil	Fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended

Tiger 900 GT Pro

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	Tiger 900 GT Pro
Maximum payload (rider, passenger, luggage and accessories)	489 lb (222 kg)

Engine	Tiger 900 GT Pro
Engine configuration	3 cylinder 12 valve DOHC
Arrangement	Transverse in-line
Displacement	54.2 cu in (888 cc)
Bore x stroke	3.07 x 2.44 in (78.0 x 61.9 mm)
Compression ratio	13.0:1
Cylinder numbering	Left to right (no.3 adjacent to camshaft drive chain)
Cylinder sequence	Number 1 at left
Firing order	1-3-2
Starting system	Electric starter

Lubrication	Tiger 900 GT Pro
Lubrication system	Pressure lubrication, wet sump
Engine Oil Capacities:	
Oil capacity (dry fill)	0.96 gallons (3.65 liters)
Oil capacity (wet fill including oil filter)	0.83 gallons (3.15 liters)
Oil capacity (wet fill excluding oil filter)	0.78 gallons (2.95 liters)

SPECIFICATIONS

Cooling System	Tiger 900 GT Pro
Coolant type	Triumph D2053 OAT coolant (premixed)
Coolant ratio	50/50 (premixed as supplied by Triumph)
Cooling system capacity	0.59 gallon (2.25 liters)
Thermostat opening temperature (nominal)	190°F (88°C) +/- 35°F (2°C)

Fuel System	Tiger 900 GT Pro
Fuel injection system	Electronic, sequential
Injector type	Twin jet, solenoid operated plate valve
Fuel pump type	Submerged electric
Fuel pressure (nominal)	50.8 lb/in² (3.5 bar)

Fuel	Tiger 900 GT Pro
Fuel type	Unleaded, 91 RON (U.S. 87 CLC/AKI)
Fuel tank capacity	5.28 gallons (20 liters)
Low fuel indicator light	0.74 gallons (2.8 liters)

Ignition	Tiger 900 GT Pro
Ignition system	Digital inductive
Electronic rev. limiter	10,000 rpm
Spark plug type	NGK CR9EK
Spark plug gap	0.03 in +0.002/-0.004 in (0.7 mm +0.05/-0.1 mm)

Transmission	Tiger 900 GT Pro
Transmission type	6 speed, constant mesh
Clutch type	Wet, multi-plate, slip and assist
Chain type	DID O-ring
Number of links	122
Chain length (20 links)	12.56 in (319 mm)
Primary drive ratio	1.652:1 (76/46)
Final drive ratio	3.125:1 (50/16)
Gear ratios - 1st gear	2.615:1 (34/13)
Gear ratios - 2nd gear	1.857:1 (39/21)
Gear ratios - 3rd gear	1.500:1 (36/24)
Gear ratios - 4th gear	1.286:1 (27/21)
Gear ratios - 5th gear	1.107:1 (31/28)
Gear ratios - 6th gear	0.967:1 (29/30)

⚠ 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.

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	Tiger 900 GT Pro
Tire Sizes:	
Front tire size	100/90-19 57V
Rear tire size	150/70R17 69V
Tire Pressures (Cold):	
Front tire pressure	36 lb/in² (2.48 bar)
Rear tire pressure	42 lb/in² (2.9 bar)

⚠ 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 tire pressure table 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.

⚠ WARNING

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

Where these tires may be mounted, the permissible maximum speed will be indicated by a sticker, positioned so that it is clearly visible to the rider.

A list of approved tires, and any maximum speed restrictions, is available from your authorized Triumph dealer, or on the Internet at www.triumph.co.uk.

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

Electrical Equipment	Tiger 900 GT Pro
Battery type	YT12A-BS
Battery rating	12 Volt - 10 Ah
Alternator rating	14 Volt, 34.1 Amp at 6,000 rpm
Headlight	LED
Tail/brake light	LED
Turn signal lights	LED
Fog lights (if equipped)	LED

Torque Figures	Tiger 900 GT Pro
Battery terminal fasteners	40 lbf in (4.5 Nm)
Chain adjuster lock nut	11 lbf ft (15 Nm)
Chain guard (upper)	80 lbf in (9 Nm)
Clutch cable adjuster nuts	27 lbf in (3 Nm)
Mirror lock nut	18 lbf ft (25 Nm)
Oil filter	89 lbf in (10 Nm)
Rear wheel spindle nut	81 lbf ft (110 Nm)
Spark plugs	9 lbf ft (12 Nm)
Sump plug	18 lbf ft (25 Nm)

Fluids and Lubricants	Tiger 900 GT Pro
Bearings and pivots	Triumph Performance RG2 grease (NLGI 2)
Brake fluid	Triumph Performance DOT 4 brake fluid
Coolant	Triumph D2053 OAT coolant (premixed)
Drive chain	Triumph Performance chain lubricant
Engine oil	Fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended

Tiger 900 Alpine Edition

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	Tiger 900 Alpine Edition
Maximum payload (rider, passenger, luggage and accessories)	493 lb (224 kg)

Engine	Tiger 900 Alpine Edition
Engine configuration	3 cylinder 12 valve DOHC
Arrangement	Transverse in-line
Displacement	54.2 cu in (888 cc)
Bore x stroke	3.07 x 2.44 in (78.0 x 61.9 mm)
Compression ratio	13.0:1
Cylinder numbering	Left to right (no.3 adjacent to camshaft drive chain)
Cylinder sequence	Number 1 at left
Firing order	1-3-2
Starting system	Electric starter

Lubrication	Tiger 900 Alpine Edition
Lubrication system	Pressure lubrication, wet sump
Engine Oil Capacities:	
Oil capacity (dry fill)	0.96 gallons (3.65 liters)
Oil capacity (wet fill including oil filter)	0.83 gallons (3.15 liters)
Oil capacity (wet fill excluding oil filter)	0.78 gallons (2.95 liters)

Cooling System	Tiger 900 Alpine Edition
Coolant type	Triumph D2053 OAT coolant (premixed)
Coolant ratio	50/50 (premixed as supplied by Triumph)
Cooling system capacity	0.59 gallon (2.25 liters)
Thermostat opening temperature (nominal)	190°F (88°C) +/- 35°F (2°C)

Fuel System	Tiger 900 Alpine Edition
Fuel injection system	Electronic, sequential
Injector type	Twin jet, solenoid operated plate valve
Fuel pump type	Submerged electric
Fuel pressure (nominal)	50.8 lb/in² (3.5 bar)

Fuel	Tiger 900 Alpine Edition
Fuel type	Unleaded, 91 RON (U.S. 87 CLC/AKI)
Fuel tank capacity	5.28 gallons (20 liters)
Low fuel indicator light	0.74 gallons (2.8 liters)

Ignition	Tiger 900 Alpine Edition
Ignition system	Digital inductive
Electronic rev. limiter	10,000 rpm
Spark plug type	NGK CR9EK
Spark plug gap	0.03 in +0.002/-0.004 in (0.7 mm +0.05/-0.1 mm)

SPECIFICATIONS

Transmission	Tiger 900 Alpine Edition
Transmission type	6 speed, constant mesh
Clutch type	Wet, multi-plate, slip and assist
Chain type	DID O-ring
Number of links	122
Chain length (20 links)	12.56 in (319 mm)
Primary drive ratio	1.652:1 (76/46)
Final drive ratio	3.125:1 (50/16)
Gear ratios - 1st gear	2.615:1 (34/13)
Gear ratios - 2nd gear	1.857:1 (39/21)
Gear ratios - 3rd gear	1.500:1 (36/24)
Gear ratios - 4th gear	1.286:1 (27/21)
Gear ratios - 5th gear	1.107:1 (31/28)
Gear ratios - 6th gear	0.967:1 (29/30)

⚠ 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.

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	Tiger 900 Alpine Edition
Tire Sizes:	
Front tire size	100/90-19 57V
Rear tire size	150/70R17 69V
Tire Pressures (Cold):	
Front tire pressure	36 lb/in² (2.48 bar)
Rear tire pressure	42 lb/in² (2.9 bar)

⚠ 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 tire pressure table 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.

⚠ WARNING

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

Where these tires may be mounted, the permissible maximum speed will be indicated by a sticker, positioned so that it is clearly visible to the rider.

A list of approved tires, and any maximum speed restrictions, is available from your authorized Triumph dealer, or on the Internet at www.triumph.co.uk.

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

Electrical Equipment	Tiger 900 Alpine Edition
Battery type	YT12A-BS
Battery rating	12 Volt - 10 Ah
Alternator rating	14 Volt, 34.1 Amp at 6,000 rpm
Headlight	LED
Tail/brake light	LED
Turn signal lights	LED
Fog lights (if equipped)	LED

Torque Figures	Tiger 900 Alpine Edition
Battery terminal fasteners	40 lbf in (4.5 Nm)
Chain adjuster lock nut	11 lbf ft (15 Nm)
Chain guard (upper)	80 lbf in (9 Nm)
Clutch cable adjuster nuts	27 lbf in (3 Nm)
Mirror lock nut	18 lbf ft (25 Nm)
Oil filter	89 lbf in (10 Nm)
Rear wheel spindle nut	81 lbf ft (110 Nm)
Spark plugs	9 lbf ft (12 Nm)
Sump plug	18 lbf ft (25 Nm)

Fluids and Lubricants	Tiger 900 Alpine Edition
Bearings and pivots	Triumph Performance RG2 grease (NLGI 2)
Brake fluid	Triumph Performance DOT 4 brake fluid
Coolant	Triumph D2053 OAT coolant (premixed)
Drive chain	Triumph Performance chain lubricant
Engine oil	Fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended

Tiger 900 Rally Pro

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	Tiger 900 Rally Pro
Maximum payload (rider, passenger, luggage and accessories)	489 lb (222 kg)

Engine	Tiger 900 Rally Pro
Engine configuration	3 cylinder 12 valve DOHC
Arrangement	Transverse in-line
Displacement	54.2 cu in (888 cc)
Bore x stroke	3.07 x 2.44 in (78.0 x 61.9 mm)
Compression ratio	13.0:1
Cylinder numbering	Left to right (no.3 adjacent to camshaft drive chain)
Cylinder sequence	Number 1 at left
Firing order	1-3-2
Starting system	Electric starter

Lubrication	Tiger 900 Rally Pro
Lubrication system	Pressure lubrication, wet sump
Engine Oil Capacities:	
Oil capacity (dry fill)	0.96 gallons (3.65 liters)
Oil capacity (wet fill including oil filter)	0.83 gallons (3.15 liters)
Oil capacity (wet fill excluding oil filter)	0.78 gallons (2.95 liters)

SPECIFICATIONS

Cooling System	Tiger 900 Rally Pro
Coolant type	Triumph D2053 OAT coolant (premixed)
Coolant ratio	50/50 (premixed as supplied by Triumph)
Cooling system capacity	0.59 gallon (2.25 liters)
Thermostat opening temperature (nominal)	190°F (88°C) +/- 35°F (2°C)

Fuel System	Tiger 900 Rally Pro
Fuel injection system	Electronic, sequential
Injector type	Twin jet, solenoid operated plate valve
Fuel pump type	Submerged electric
Fuel pressure (nominal)	50.8 lb/in² (3.5 bar)

Fuel	Tiger 900 Rally Pro
Fuel type	Unleaded, 91 RON (U.S. 87 CLC/AKI)
Fuel tank capacity	5.28 gallons (20 liters)
Low fuel indicator light	0.74 gallons (2.8 liters)

Ignition	Tiger 900 Rally Pro
Ignition system	Digital inductive
Electronic rev. limiter	10,000 rpm
Spark plug type	NGK CR9EK
Spark plug gap	0.03 in +0.002/-0.004 in (0.7 mm +0.05/-0.1 mm)

Transmission	Tiger 900 Rally Pro
Transmission type	6 speed, constant mesh
Clutch type	Wet, multi-plate, slip and assist
Chain type	DID O-ring
Number of links	122
Chain length (20 links)	12.56 in (319 mm)
Primary drive ratio	1.652:1 (76/46)
Final drive ratio	3.125:1 (50/16)
Gear ratios - 1st gear	2.615:1 (34/13)
Gear ratios - 2nd gear	1.857:1 (39/21)
Gear ratios - 3rd gear	1.500:1 (36/24)
Gear ratios - 4th gear	1.286:1 (27/21)
Gear ratios - 5th gear	1.107:1 (31/28)
Gear ratios - 6th gear	0.967:1 (29/30)

⚠ 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.

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.

SPECIFICATIONS

Tires	Tiger 900 Rally Pro
Tire Sizes:	
Front tire size	90/90-21 54V
Rear tire size	150/70R17 69V
Tire Pressures (Cold):	
Front tire pressure	34 lb/in² (2.35 bar)
Rear tire pressure	42 lb/in² (2.9 bar)

⚠ 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 tire pressure table 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.

⚠ 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.

Electrical Equipment	Tiger 900 Rally Pro
Battery type	YT12A-BS
Battery rating	12 Volt - 10 Ah
Alternator rating	14 Volt, 34.1 Amp at 6,000 rpm
Headlight	LED
Tail/brake light	LED
Turn signal lights	LED
Fog lights (if equipped)	LED

Torque Figures	Tiger 900 Rally Pro
Battery terminal fasteners	40 lbf in (4.5 Nm)
Chain adjuster lock nut	11 lbf ft (15 Nm)
Chain guard (upper)	80 lbf in (9 Nm)
Clutch cable adjuster nuts	27 lbf in (3 Nm)
Engine protection bars	11 lbf ft (15 Nm)
Mirror lock nut	18 lbf ft (25 Nm)
Oil filter	89 lbf in (10 Nm)
Rear wheel spindle nut	81 lbf ft (110 Nm)
Sump guard bottom fasteners	53 lbf in (6 Nm)
Sump guard left hand fasteners	53 lbf in (6 Nm)
Spark plugs	9 lbf ft (12 Nm)
Sump plug	18 lbf ft (25 Nm)

Fluids and Lubricants	Tiger 900 Rally Pro
Bearings and pivots	Triumph Performance RG2 grease (NLGI 2)
Brake fluid	Triumph Performance DOT 4 brake fluid
Coolant	Triumph D2053 OAT coolant (premixed)
Drive chain	Triumph Performance chain lubricant
Engine oil	Fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended

Tiger 900 Desert Edition

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	Tiger 900 Desert Edition
Maximum payload (rider, passenger, luggage and accessories)	509 lb (231 kg)

Engine	Tiger 900 Desert Edition
Engine configuration	3 cylinder 12 valve DOHC
Arrangement	Transverse in-line
Displacement	54.2 cu in (888 cc)
Bore x stroke	3.07 x 2.44 in (78.0 x 61.9 mm)
Compression ratio	13.0:1
Cylinder numbering	Left to right (no.3 adjacent to camshaft drive chain)
Cylinder sequence	Number 1 at left
Firing order	1-3-2
Starting system	Electric starter

Lubrication	Tiger 900 Desert Edition
Lubrication system	Pressure lubrication, wet sump
Engine Oil Capacities:	
Oil capacity (dry fill)	0.96 gallons (3.65 liters)
Oil capacity (wet fill including oil filter)	0.83 gallons (3.15 liters)
Oil capacity (wet fill excluding oil filter)	0.78 gallons (2.95 liters)

Cooling System	Tiger 900 Desert Edition
Coolant type	Triumph D2053 OAT coolant (premixed)
Coolant ratio	50/50 (premixed as supplied by Triumph)
Cooling system capacity	0.59 gallon (2.25 liters)
Thermostat opening temperature (nominal)	190°F (88°C) +/- 35°F (2°C)

Fuel System	Tiger 900 Desert Edition
Fuel injection system	Electronic, sequential
Injector type	Twin jet, solenoid operated plate valve
Fuel pump type	Submerged electric
Fuel pressure (nominal)	50.8 lb/in² (3.5 bar)

Fuel	Tiger 900 Desert Edition
Fuel type	Unleaded, 91 RON (U.S. 87 CLC/AKI)
Fuel tank capacity	5.28 gallons (20 liters)
Low fuel indicator light	0.74 gallons (2.8 liters)

Ignition	Tiger 900 Desert Edition
Ignition system	Digital inductive
Electronic rev. limiter	10,000 rpm
Spark plug type	NGK CR9EK
Spark plug gap	0.03 in +0.002/-0.004 in (0.7 mm +0.05/-0.1 mm)

SPECIFICATIONS

Transmission	Tiger 900 Desert Edition
Transmission type	6 speed, constant mesh
Clutch type	Wet, multi-plate, slip and assist
Chain type	DID O-ring
Number of links	122
Chain length (20 links)	12.56 in (319 mm)
Primary drive ratio	1.652:1 (76/46)
Final drive ratio	3.125:1 (50/16)
Gear ratios - 1st gear	2.615:1 (34/13)
Gear ratios - 2nd gear	1.857:1 (39/21)
Gear ratios - 3rd gear	1.500:1 (36/24)
Gear ratios - 4th gear	1.286:1 (27/21)
Gear ratios - 5th gear	1.107:1 (31/28)
Gear ratios - 6th gear	0.967:1 (29/30)

⚠ 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.

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	Tiger 900 Desert Edition
Tire Sizes:	
Front tire size	90/90-21 54V
Rear tire size	150/70R17 69V
Tire Pressures (Cold):	
Front tire pressure	34 lb/in² (2.35 bar)
Rear tire pressure	42 lb/in² (2.9 bar)

⚠ 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 tire pressure table 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.

⚠ 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.

Electrical Equipment	Tiger 900 Desert Edition
Battery type	YT12A-BS
Battery rating	14 Volt, 34.1 Amp at 6,000 rpm
Alternator rating	14 Volt, 34.1 Amp at 6,000 rpm
Headlight	LED
Tail/brake light	LED
Turn signal lights	LED
Fog lights (if equipped)	LED

SPECIFICATIONS

Torque Figures	Tiger 900 Desert Edition
Battery terminal fasteners	40 lbf in (4.5 Nm)
Chain adjuster lock nut	11 lbf ft (15 Nm)
Chain guard (upper)	80 lbf in (9 Nm)
Clutch cable adjuster nuts	27 lbf in (3 Nm)
Engine protection bars	11 lbf ft (15 Nm)
Mirror lock nut	18 lbf ft (25 Nm)
Oil filter	89 lbf in (10 Nm)
Rear wheel spindle nut	81 lbf ft (110 Nm)
Sump guard bottom fasteners	53 lbf in (6 Nm)
Sump guard left hand fasteners	53 lbf in (6 Nm)
Spark plugs	9 lbf ft (12 Nm)
Sump plug	18 lbf ft (25 Nm)

Fluids and Lubricants	Tiger 900 Desert Edition
Bearings and pivots	Triumph Performance RG2 grease (NLGI 2)
Brake fluid	Triumph Performance DOT 4 brake fluid
Coolant	Triumph D2053 OAT coolant (premixed)
Drive chain	Triumph Performance chain lubricant
Engine oil	Fully or semi-synthetic 10W/40 or 10W/50 motorcycle engine oil that meets specification API SN (or higher) and JASO MA2. Triumph Performance fully synthetic engine oil is recommended

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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.