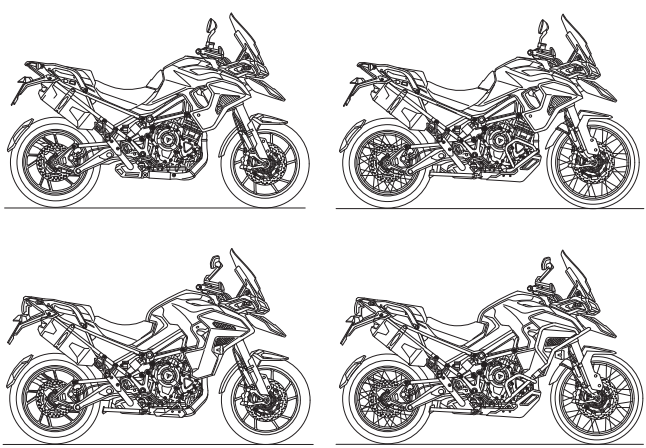
Tiger 1200 GT, Tiger 1200 GT Pro, Tiger 1200 Rally Pro, Tiger 1200 GT Explorer, Tiger 1200 Rally Explorer



This handbook contains information on the Triumph Tiger 1200 GT, Tiger 1200 GT Pro, Tiger 1200 Rally Pro, Tiger 1200 GT Explorer, Tiger 1200 Rally Explorer 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.

Publication part number 3850213-US-EN issue 1

CONTENTS

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

Warnings, Cautions and Notes

Throughout this Owner's Handbook particularly important information is presented in the following form:

⚠ Warning

This warning symbol identifies special instructions or procedures, which if not correctly followed could result in personal injury, or loss of life.

⚠ Caution

This caution symbol identifies special instructions or procedures, which, if not strictly observed, could result in damage to, or destruction of, equipment.

Note

This note 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 an authorized Triumph dealer.

Only 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.

Off-Road Use

All models 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.

Noise Control System

Tampering with the noise control system is prohibited.

Owners are warned that the law may prohibit:

1. 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,
2. the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

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

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

Owner's Handbook

⚠ Warning

This Owner's Handbook, and all other instructions 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 this Owner's Handbook and all other instructions which are 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 can lead to an accident.

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.

This Owner's Handbook is available from your local dealer in:

- English
- US English
- Arabic
- Chinese
- Dutch
- French
- German
- Italian
- Japanese
- Portuguese
- Spanish
- Swedish
- Thai
- Finnish (available online from www.triumphmotorcycles.com).

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

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.

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The Motorcycle

⚠ Warning

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.

Extreme off-road use could lead to loss of motorcycle control and an accident.

⚠ Warning

This motorcycle is designed for use as a two-wheeled vehicle capable of carrying a rider on their own, or a rider and one passenger.

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

⚠ Warning

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

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

Always make sure flammable materials are not allowed to contact the exhaust system or catalytic converter.

⚠ Warning

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

Installing a sidecar and/or a trailer may result in loss of control and an accident.

⚠ Warning

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

Make sure that the spokes are checked before and after riding the motorcycle off-road. Take the motorcycle to an authorized Triumph dealer to tighten any loose spokes and check for wheel rim damage.

Spokes that are loose may affect handling and stability resulting in motorcycle damage, loss of motorcycle control and an accident.

⚠ Warning

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

Check spoke tension at all intervals listed in the maintenance schedule. Take the motorcycle to an authorized Triumph dealer to tighten any loose spokes.

Incorrectly tightened spokes may affect handling and stability resulting in motorcycle damage, loss of motorcycle control and an accident.

⚠ Caution

Riding the motorcycle in extreme conditions such as wet and muddy roads, on 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

⚠ Warning

GASOLINE IS HIGHLY FLAMMABLE:

Always turn off the engine when 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 gasoline 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 gasoline should immediately be removed.

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

⚠ Warning

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

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

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

Helmet and Clothing

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 injury when riding.

Warning

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.

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.

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 and exhaust system 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, please refer to the 'How to Ride the Motorcycle' section of this Owner's Handbook.

Riding

⚠ Warning

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 of the motorcycle and may lead to loss of control and an accident.

⚠ 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 and may lead to loss of motorcycle control and an accident.

⚠ Warning

Always ride defensively and wear the protective equipment mentioned elsewhere in this foreword.

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

⚠ Warning

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

Operating a motorcycle at high speeds can be potentially dangerous since the time available to react to given traffic situations is greatly reduced as road speed increases.

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

⚠ 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 cause an accident. 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.

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.

Parts and Accessories

⚠ Warning

Owners should be aware that the only approved parts, accessories and conversions for any Triumph motorcycle are those which carry official Triumph approval and are installed to the motorcycle by an authorized 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 and any such modification could cause a safety hazard.

The installation of any non-approved parts, accessories or conversions may adversely affect the handling, stability or other aspect of the motorcycle operation that may result in an accident causing injury or death.

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

Maintenance and Equipment

⚠ Warning

Consult your authorized Triumph dealer whenever there is doubt as to the correct or safe operation of this Triumph motorcycle.

Remember that continued operation of an incorrectly performing motorcycle may aggravate a fault and may also compromise safety.

⚠ 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 adversely affect the handling, stability or other aspect of the motorcycle operation, which may result in an accident causing injury or death.

⚠ Warning

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

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

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 adversely affected if the rider removes their hands from the handlebars, resulting in loss of motorcycle control and an accident.

⚠ 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.

⚠ 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 entrapped
- the passenger to be in contact with hot exhaust pipes.

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

- severe personal injuries to the passenger
- instability of the motorcycle that may cause an accident
- damage to the motorcycle
- damage to clothing.

⚠ 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 and weather.

Banking to an unsafe angle may cause instability, loss of motorcycle control and an accident.

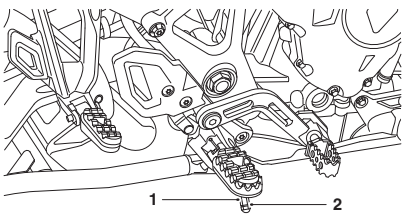
⚠ Warning

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.

⚠ Warning Continued

Banking to an unsafe angle may cause instability, loss of motorcycle control and an accident.



1. **Bank angle indicator**
2. **Maximum wear limit**

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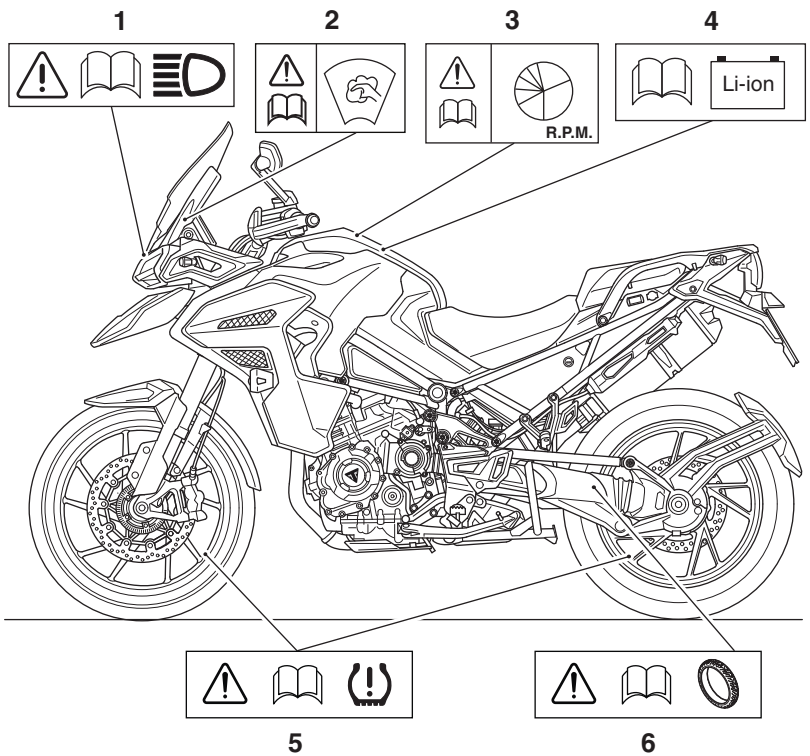
WARNING LABELS

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

For illustration purposes, the Tiger 1200 GT Explorer motorcycle is shown.

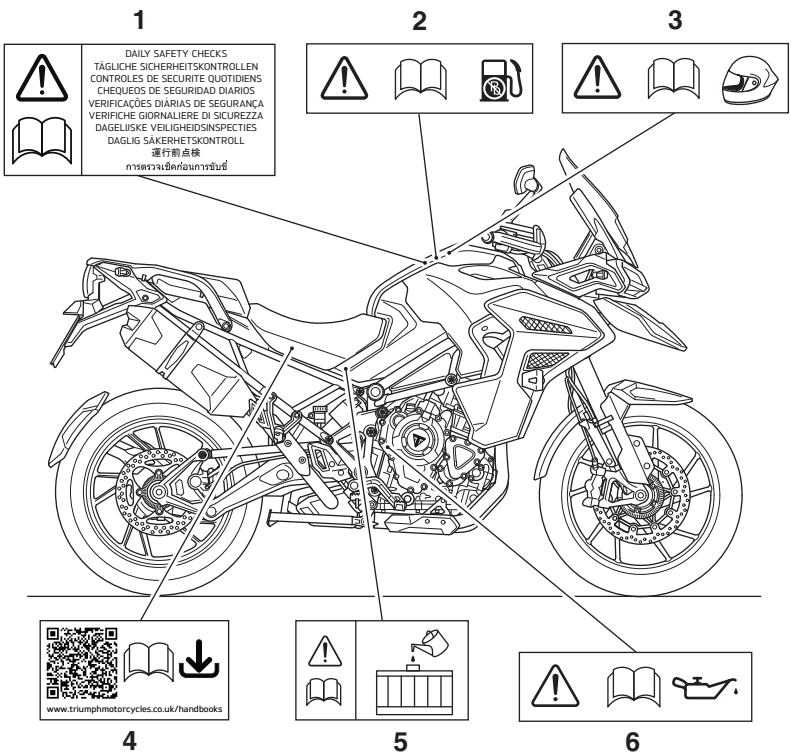
Warning Label Locations



1. **Headlight (page 162)**
2. **Windshield (page 95)**
3. **Breaking-In (page 99)**
4. **Battery (page 154)**
5. **Tire Pressure Monitoring System (TPMS) (if equipped) (page 80)**
6. **Tires (page 149)**

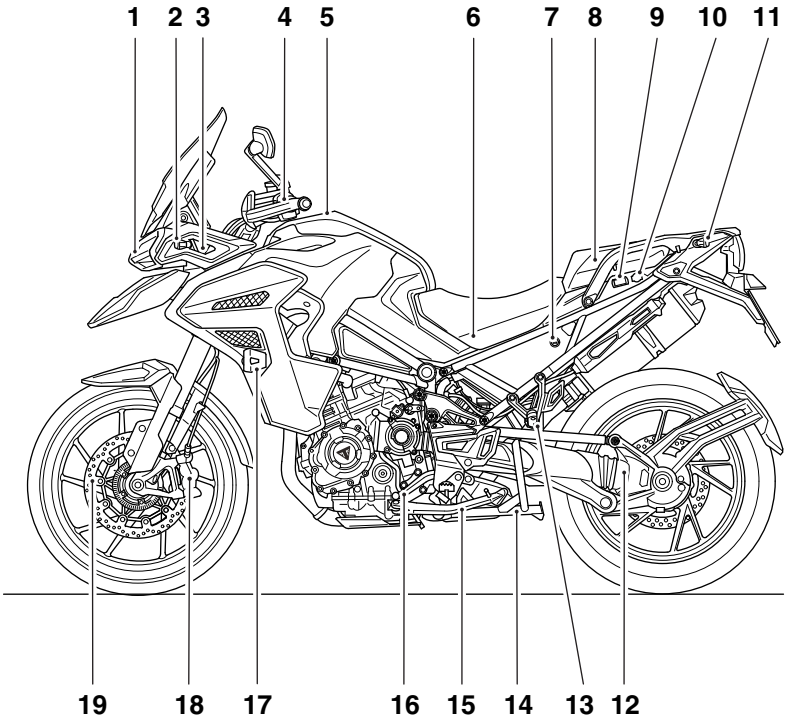
⚠ Caution

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.



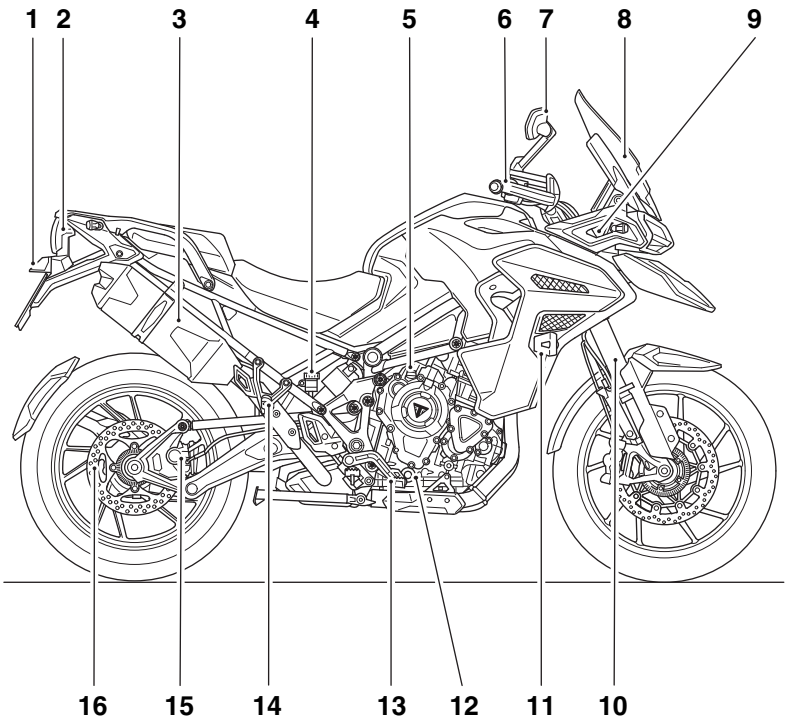
1. Daily Safety Checks (page 100)
2. Unleaded Fuel (page 82)
3. Helmet (page 09)
4. Owner's Handbook Download Details (under seat)
5. Coolant (page 134)
6. Engine Oil (page 129)

PARTS IDENTIFICATION



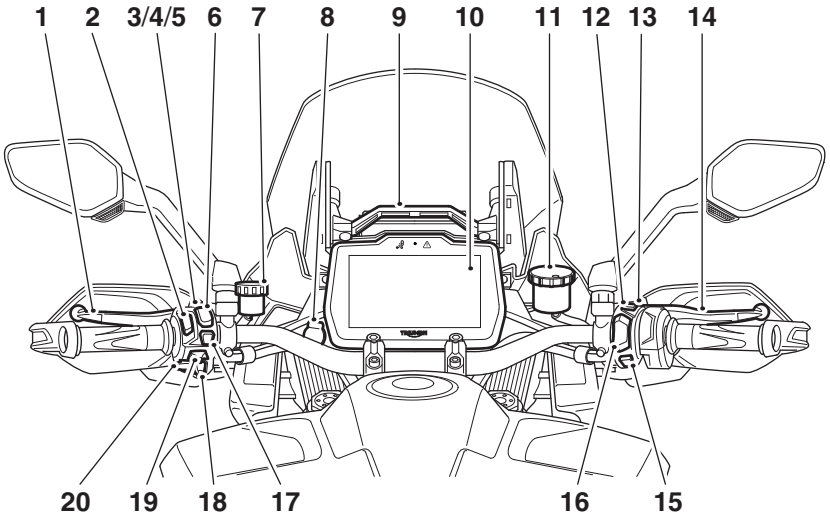
1. Headlight
2. Front turn signal
3. Electrical accessory socket
4. Clutch lever
5. Fuel tank and fuel filler cap
6. Battery and fuse boxes (under the seat)
7. Seat lock
8. USB socket (under the seat)
9. Passenger's heated seat switch (if equipped)
10. Electrical accessory socket (if equipped)
11. Rear turn signal
12. Final drive unit
13. Passenger foot rest
14. Center stand (if equipped)
15. Side stand
16. Gear shift pedal
17. Front fog light (if equipped)
18. Front brake caliper
19. Front brake disc

Parts Identification (Continued)



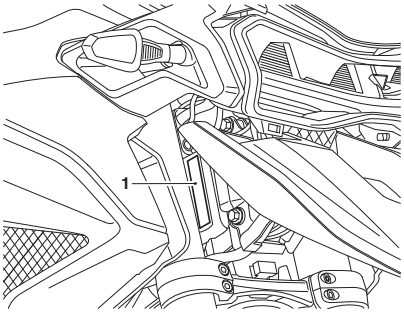
1. Tail light
2. Blind spot radar (if equipped)
3. Muffler
4. Rear brake fluid reservoir
5. Oil filler cap
6. Front brake lever
7. Mirror
8. Windshield
9. Headlight adjuster
10. Front fork
11. Front fog lights (if equipped)
12. Engine oil level sight glass
13. Rear brake pedal
14. Passenger foot rest
15. Rear brake caliper
16. Rear brake disc

RIDER VIEW PARTS IDENTIFICATION



1. Clutch lever
2. Daytime Running Lights (DRL) switch
3. Front fog lights switch (if equipped)
4. High beam button
5. Rider's heated seat switch (if equipped)
6. Cruise control adjust button
7. Clutch fluid reservoir
8. Front accessory socket
9. Windshield adjustment handle
10. Instrument display
11. Front brake fluid reservoir
12. Hazard warning lights switch
13. Steering lock button
14. Front brake lever
15. Home button
16. Engine start/stop switch
17. Mode button
18. Joystick
19. Turn signal switch
20. Horn button

Vehicle Identification Number (VIN)



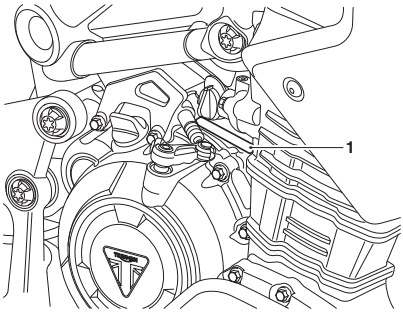
1. Vehicle identification number

The Vehicle Identification Number (VIN) is stamped into the right hand side of the steering head area of the frame.

It is also displayed on a label, located on the left hand side of the frame below the fuel tank.

Record the vehicle identification number in the space provided below.

Engine Serial Number



1. Engine serial number

The engine serial number is stamped on the engine crankcase, immediately above the clutch cover.

Record the engine serial number in the space provided below.

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Keys

Caution

All keys supplied with the motorcycle are specific to the individual motorcycle. They cannot be used on another motorcycle.

If all keys are lost, misplaced or damaged, then the keyless control unit on the motorcycle will need to be replaced.

To avoid unnecessary cost and time, make sure that all spare keys are kept in a secure location.

There are three keys supplied with the motorcycle; one smart key and two passive keys.

Smart Key

Caution

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

Avoid storing and using the key near the following:

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

If the smart key is still not working after moving it away from all electronic devices and metal objects, check and change (if required) the smart key battery. If the smart key is still not working then contact your local Triumph dealer.

The smart key operates the keyless ignition system. An additional smart key can be purchased from your Triumph dealer. However, only three keys can be programmed to the motorcycle. This can be a combination of smart keys and passive keys.

For security reasons, the smart key should be switched off every time it is removed from the motorcycle.

Smart Key Battery Replacement

Warning

There is a risk of explosion if an incorrect battery is used.

Always make sure that the correct battery size and type is used.

Warning

Batteries contain harmful materials.

Always keep batteries out of the reach of infants and young children to prevent them being swallowed.

If swallowed, consult a doctor immediately.

Caution

Do not touch the contact sides of the battery with your skin. Only touch the edges of the battery when you hold it.

The natural materials in your skin can cause corrosion and shorten the life of the battery.

To replace the smart key battery:

- Make sure that the smart key is in passive mode (red LED).
- Remove the battery cover fastener using a 0.06 in (1.5 mm) AF Allen key.
- Remove the battery cover.
- Remove the battery, noting its orientation.
- Insert a new 3 Volt CR2032 Lithium battery.
- Replace the battery cover making sure that it aligns correctly.
- Reinstall the battery cover fastener and tighten to 2.7 lbf in (0.3 Nm).

Battery Disposal

The used 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.

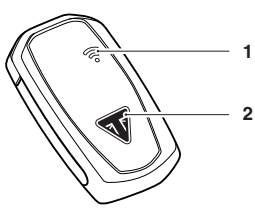
Keyless Ignition

The keyless ignition system allows the motorcycle to be started without the use of a mechanical key.

Smart Key Operation

To turn the motorcycle on with the keyless ignition:

▼ The smart key must be within close proximity (three feet/one meter) of a system sensor. There is a system sensor located on the right hand side of the motorcycle, and another system sensor located at the front of the motorcycle. If the smart key is out of range of a system sensor then it will be unresponsive and the keyless ignition cannot be activated.



1. **Status symbol light**
2. **ON/OFF button**

▼ Press the ON/OFF button on the smart key to turn the key on. The status symbol light shows green briefly to indicate that the smart key is on.

▼ A short press on the ON/OFF button shows the status of the smart key; red is OFF and green is ON.

▼ A long press of the ON/OFF button will change the status to OFF or ON after briefly showing the original status color first.

▼ If the smart key battery is flat, then use the smart key in the passive key operation method.

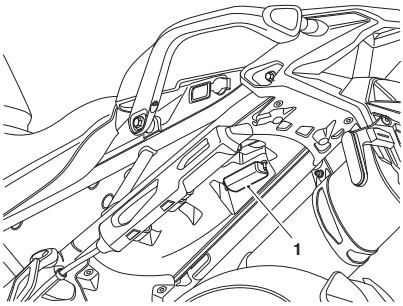
For more information on starting the engine with keyless ignition, see page 104.

Passive Key Operation

To turn the motorcycle on with the passive key (or the smart key if the battery is discharged):

▼ The system sensor is located beneath the passenger seat. Access the system sensor from the left hand side of the motorcycle.

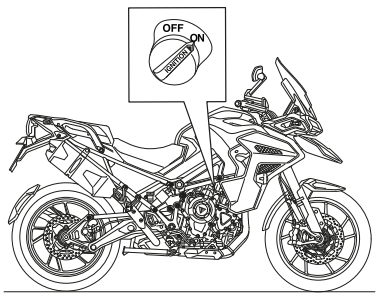
▼ Hold the key within +/-0.39 in (10 mm) of the system sensor.



1. System sensor

▼ The smart key must be held against the system sensor while pressing the Engine Start/Stop switch in either the START or Power ON/OFF position (see page 61).

Master Ignition Switch (if equipped)



Master Ignition Switch

The master ignition switch is only mounted to motorcycles in the United States and Canada. The master ignition switch is located on the right hand side of the motorcycle.

To operate the motorcycle with the keyless ignition, the master ignition switch must be in the ON position.

If the master ignition switch is in the OFF position then the keyless ignition cannot be used and the motorcycle cannot be started.

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Instruments

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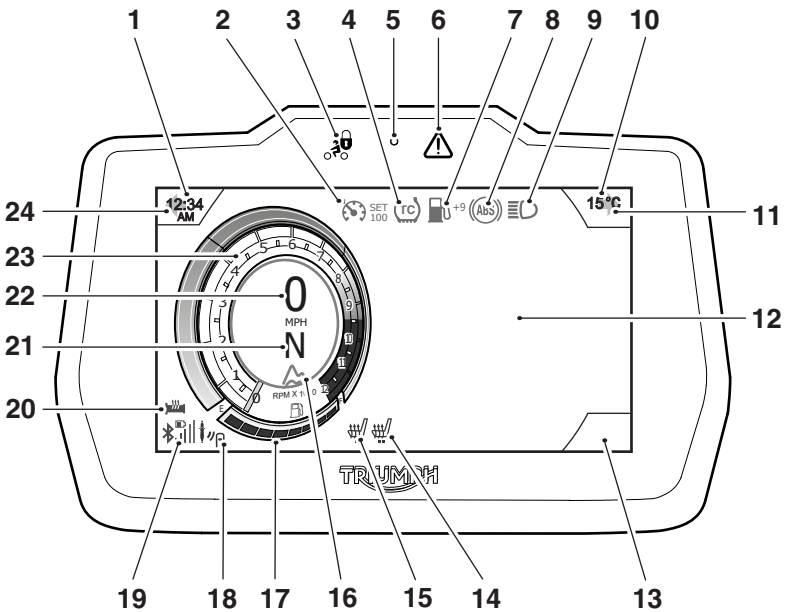
GENERAL INFORMATION

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. Blind spot radar light
19. *Bluetooth*® functionality (if connected)
20. Heated grips
21. Gear position
22. Speedometer
23. Tachometer
24. Left hand turn signal and hazard warning light

Warning Lights

⚠ Caution

If a red warning light is shown then the motorcycle must be stopped immediately. Read any warning messages and rectify the issue.

If an amber warning light is shown then the motorcycle does not need to be stopped immediately. Read any warning messages and rectify the issue.

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

Engine Management System Malfunction Indicator Light (MIL)

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.

⚠ Warning

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

Reduced engine performance could cause a dangerous riding condition, leading to loss of control and an accident.

Contact an authorized Triumph dealer as soon as possible to have the fault checked and rectified.

Note

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

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.

⚠ Caution

Stop the engine immediately if the low oil pressure 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 low oil pressure warning light is illuminated.

Immobilizer/Alarm Indicator Light

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

Without Alarm Equipped

When the ignition switch is turned to the OFF position, the immobilizer 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 immobilizer and the indicator light will be off.

If the indicator light remains on it indicates that the immobilizer has a malfunction that requires investigation. Contact an authorized Triumph dealer as soon as possible to have the fault checked and rectified.

With Alarm Equipped

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

Hill Hold Indicator Light

The hill hold indicator light is used to indicate that the hill hold system is active and will apply the rear brake to hold the motorcycle position.

For more information on the hill hold system, see page 114.

Hill Hold Indicator Light Operation

Under normal riding conditions the hill hold indicator light will remain off.

When the hill hold system is activated, the hill hold indicator light will be shown in green and continue to stay green until the hill hold system is unavailable.

The hill hold indicator light will be shown in amber if the hill hold system is unavailable.

Hill Hold Deactivated Indicator Light

The hill hold system can be automatically or manually deactivated. If the hill hold system is deactivated then the amber hill hold deactivated indicator light is shown.

Anti-lock Braking System (ABS) Warning Light

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.

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.

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.

Warning

If the 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 warning light illuminated.

Contact an authorized Triumph dealer as soon as possible to have the fault checked and rectified. In this situation braking too hard will cause the wheels to lock resulting in loss of motorcycle control and an accident.

Traction Control (TC) Indicator Light

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. 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.

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. Contact an authorized Triumph dealer as soon as possible to have the fault checked.

Hard acceleration and cornering in this situation may cause the rear wheel to spin resulting in loss of motorcycle control and an accident.

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 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.

Blind Spot Radar Status Light

The blind spot radar status light works with the blind spot radar system, see page 73.

The blind spot radar status light illuminates green when the blind spot radar is enabled and active.

The blind spot radar status light illuminates amber when the blind spot radar is disabled and not active.

The blind spot radar status light also illuminates amber when there is a fault with the blind spot radar and a message will be shown in the instrument display. The left and right blind spot radar indicator lights will also be illuminated at the same time and stay on.

Turn Signals

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

Hazard Warning Lights

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

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

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

High Beam Light

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

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

If the DRL switch is in the daytime running lights 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.

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

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

Daytime Running Lights (DRL) (if equipped)

When the ignition is switched ON and the daytime running lights switch is set to Daytime Running Lights, the daytime running lights warning light will illuminate. During daylight hours, the Daytime Running Lights (DRL) improve the visibility of the motorcycle to other road users. Low beam headlights must be used in any other conditions unless the road conditions allow for high beam headlights to be used.

The daytime running lights and low beam headlights are operated manually using a switch on the left hand switch housing, see page 37.

⚠ Warning

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

Riding with the Daytime Running Lights when dark, in tunnels or where poor ambient light is apparent may reduce the riders vision or blind other road users.

Blinding other road users or reduced vision in low ambient light levels may result in loss of motorcycle control and an accident.

Low Fuel Warning Light

The low fuel warning light will illuminate when there are approximately 0.92 gallons (3.5 liters) of fuel remaining in the tank.

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.

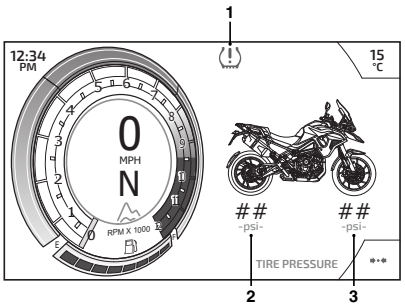
Note

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 80.

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

When the warning light is illuminated, the TPMS symbol indicating which is the deflated tire and its pressure will automatically be shown in the display area.



1. **Tire pressure warning light**
2. **Rear tire indicator**
3. **Front tire indicator**

The tire pressure at which the warning light illuminates is temperature compensated to 68°F (20°C) but the numeric pressure display associated with it is not, see page 150. Even if the numeric display seems at or close to the standard tire pressure when the warning light is on, a low tire pressure is indicated and a puncture is the most likely cause.

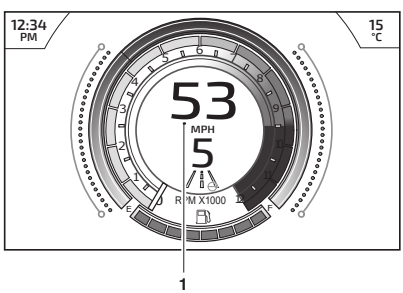
The tire pressure warning light also illuminates to indicate a low sensor battery or loss of signal.

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 in the display. The number of currently active warning messages is also shown in the display. For more information on warnings and messages, see page 55.

Odometer and Speedometer

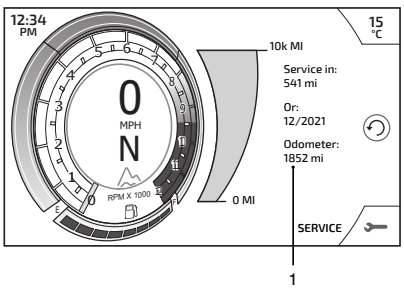
The speedometer indicates the road speed of the motorcycle.



1. **Speedometer**

To access the speedometer display, press the Home button for a long press.

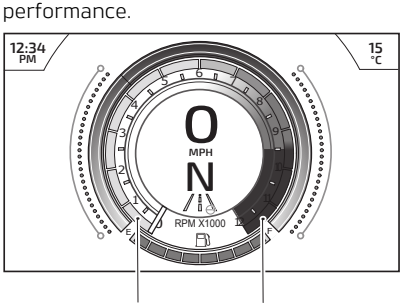
The odometer shows the total distance that the motorcycle has traveled. The odometer is only shown in the Service information tray.



1. **Odometer**

Tachometer

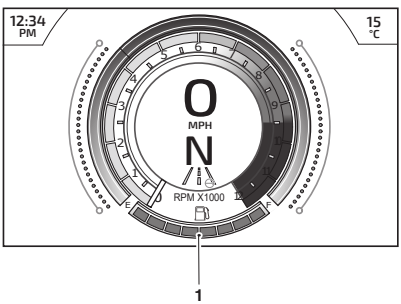
The tachometer shows the engine speed in revolutions per minute - rpm (r/min). At the end of the tachometer range there is the red zone. Engine speeds in the red zone are above maximum recommended engine speed and are also above the range for best performance.



1. **Engine speed (rpm) shown in the display**
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**

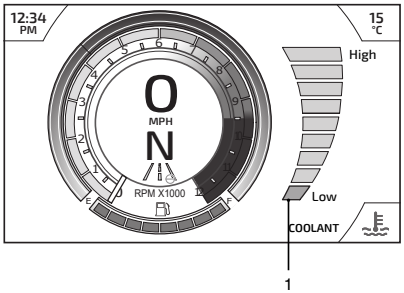
With the ignition switched on, the fuel remaining in the fuel tank is indicated by the amount of gage segments that are shown full.

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 60.

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.

⚠ Caution

Stop the engine immediately if the high coolant temperature warning light illuminates. Do not restart the engine until the fault has been rectified.

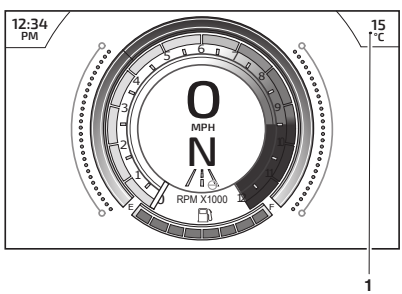
Severe engine damage will result from running the engine when the high coolant temperature warning light is illuminated.

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 51.

Frost Symbol

Warning

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

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

Excess speed, hard acceleration, heavy braking or hard cornering when roads are slippery may result in loss of motorcycle control and an accident.

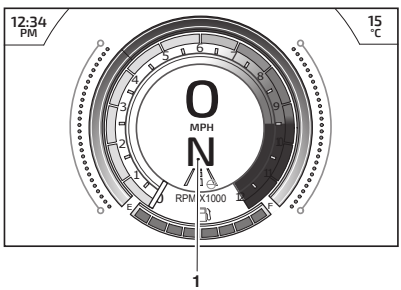
The frost symbol will illuminate if the ambient air temperature is 4°C (39°F) or lower.

The frost symbol will remain illuminated until the temperature rises to 6°C (43°F).

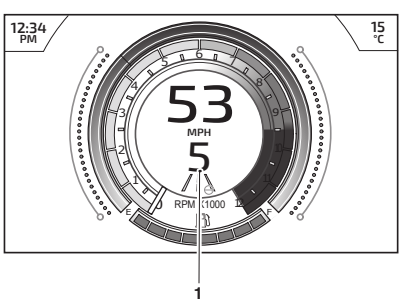
A message will also be shown in the display screen.

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 displayed)**



1. **Gear position display (fifth gear displayed)**

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 up/down.
	Short press (press and release) using the joystick center.
	Long press (press and hold) using the joystick center.
	Reset current feature, (only available with joystick long press).

Riding Modes

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

Each riding mode is adjustable and the availability of the ABS, MAP, TC and suspension setting options vary between models. For more information, see page 45.

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
ROAD		
RAIN		
SPORT		
OFF-ROAD		
OFF-ROAD 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 observe this important warning will lead to loss of motorcycle control and an accident.

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, causing loss of motorcycle control and an accident.

Warning

If Traction Control (TC) has been disabled in the Main Menu as described on page 54 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, and may result in loss of motorcycle control and an accident.

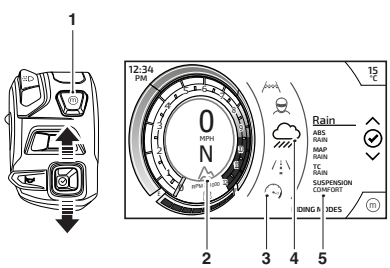
The riding mode will default to ROAD when the ignition is switched ON, if the RIDER mode was active the last time the ignition was switched OFF with TC set to OFF in the required mode.

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 cannot 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:

- ▼ Press 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:

- ▼ Press the joystick down or up, or repeatedly press the MODE button until the required riding mode is highlighted in the center of the riding mode selection tray.
- ▼ A brief press 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

Riding Mode Configuration Options							
						RIDER	
	RAIN 	ROAD 	SPORT 	OFF-ROAD 	OFF-ROAD PRO 	ON-ROAD 	OFF-ROAD 
Anti-lock Braking System (ABS)							
Road	●	●	●	⊘	⊘	●	⊘
Off-Road	⊘	⊘	⊘	●	●	⊘	●
Off	⊘	⊘	⊘	⊘	○	⊘	○[1]
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	⊘	⊘	⊘	○	●	⊘	●

Key	
● = Standard (Factory Default Setting)	⊘ = Option Not Available
○ = Selectable Option	■ = Option Via Menu
[1] = Only on models with OFF-ROAD PRO mode available.	

ABS Settings

⚠ Warning

If the ABS is disabled, the brake system will function as a non-ABS braking system. In this situation braking too hard will cause the wheels to lock, and may result in loss of motorcycle control and an accident.

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. 'Anti-stoppie' function is enabled for all types of brake application.
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. 'Anti-stoppie' function enabled for all types of brake application. 'Anti-stoppie' function is disabled in progressive brake applications. 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.

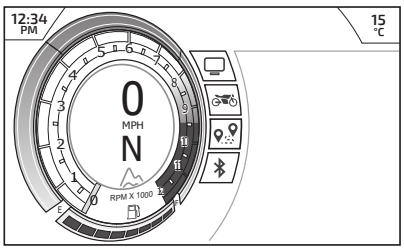
In this situation accelerating too hard on wet/slippery road surfaces may cause the rear wheel to slip which may result in loss of motorcycle control and an accident.

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:

- ▼ Press 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.

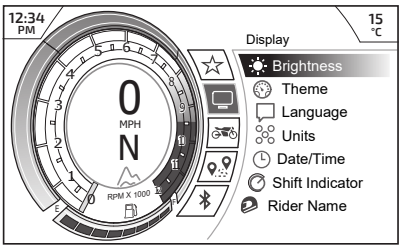


The Main menu allows access to the following options:

Symbol	Description
	**Display** This menu allows configuration of the display options. For more information, see page 49.
	**Bike** This menu allows configuration of the different features of the motorcycle. For more information, see page 53.
	**Journey** This menu allows configuration of Trip 1 and Trip 2. For more information, see page 58.
	**Bluetooth® (if equipped)** This menu allows configuration of the Bluetooth® connectivity. For more information, 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.

Display Menu

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

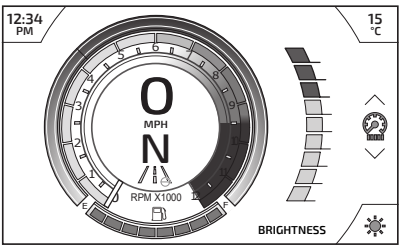


To access the Display menu:

- From the Main menu, push the joystick down and select Display.
- Press 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 left to return to the Display menu.

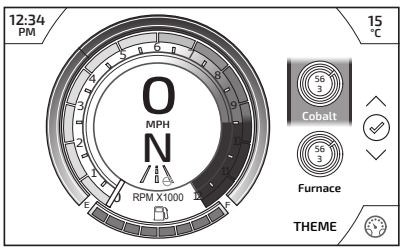
Note

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 - Themes

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

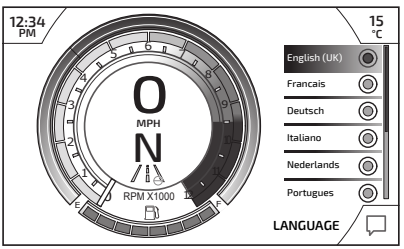


To change the theme:

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

Display - Language

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

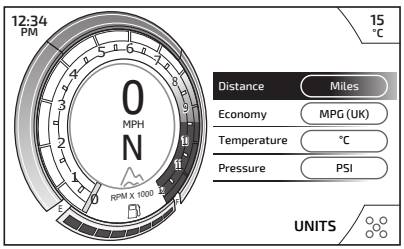


To select the required language for the instrument display:

- ▼ Scroll the list by pushing the joystick down/up until the required language option is highlighted.
- ▼ Press 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.



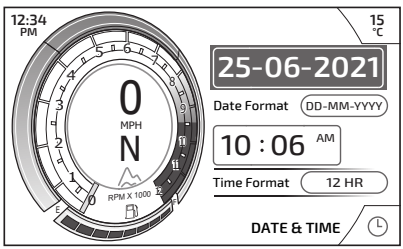
To change the units of measurement:

- ▼ Push the joystick down/up to highlight the required option (Distance, Economy, Temperature or Pressure).
- ▼ Press the joystick center to select.
- ▼ Push the joystick down/up to select the required unit of measurement from the drop down menu.
- ▼ Press 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 and Time option allows the date and time to be adjusted.

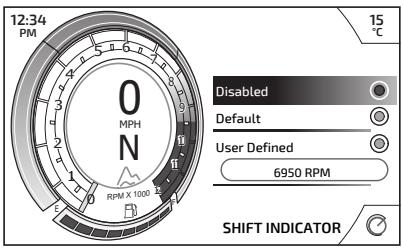


To set the date and time format:

- Navigate through the date and time options using the joystick.
- Press the joystick center to confirm the option that needs to be changed.
- Push the joystick down/up to select the required number.
- Press the joystick center to confirm.
- Follow the same procedure to change any other date and time options.

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:

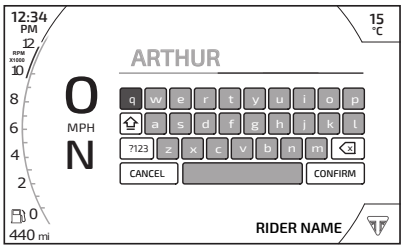
- Push the joystick down/up to select the Disabled option.
- Press the joystick center to confirm.
- Press the joystick left to return to the Display menu.

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

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

Display - Rider Name

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

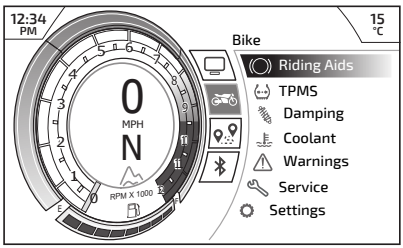


To enter a rider's name:

- Navigate the keyboard using the joystick and select the first letter of the rider's name.
- Press the joystick button 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 click on the joystick button 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 Menu

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



To access the Bike menu:

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

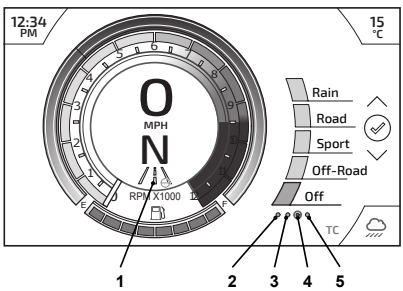
The following options are available:

- Riding Aids
- TPMS
- Suspension
- Coolant
- Warnings
- Service
- Settings.

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 45.



1. **Current riding mode**
2. **ABS option**
3. **MAP option**
4. **TC 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 and TC options.
- ▼ When in the correct menu, push the joystick down/up to select and highlight the required setting.
- ▼ Press the joystick center to confirm the selection.
- ▼ Push the joystick right to return to the previous menu.

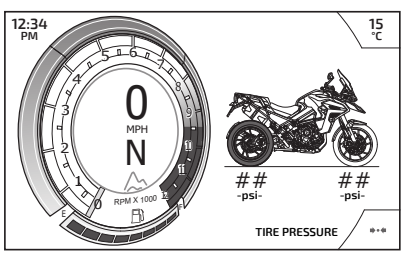
Bike - TPMS (if equipped)

⚠ 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.

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

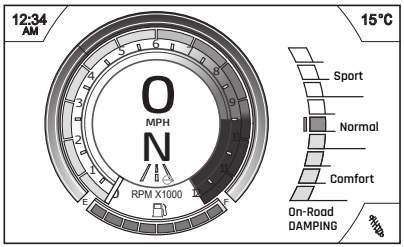


The front or rear tire will be highlighted on the motorcycle image to indicate that the tire pressure is below the recommended pressure.

For more information on TPMS and tire pressures, see page 150.

Bike - Damping

The Damping menu allows the adjustment of the on-road and off-road damping parameters to suit rider preferences and riding conditions. For more information, see page 79.

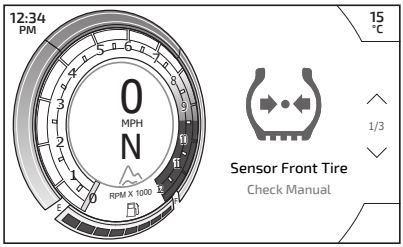


To adjust the damping suspension setting:

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

Bike - Warnings

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



To view the warnings:

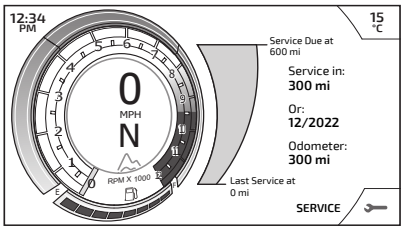
- Push the joystick down/up to review each warning (if more than one).
- The warning counter will show the amount of warnings that are present.
- Push the joystick left to return to the Bike menu.

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

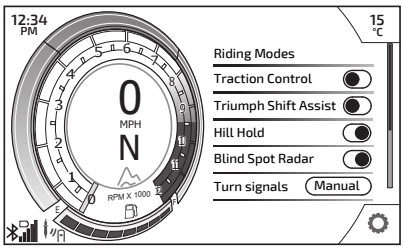
The Service menu shows the service interval and the odometer.



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:

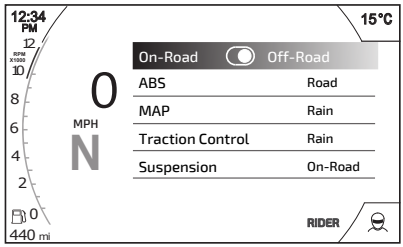
- Riding Modes
- Traction Control
- Triumph Shift Assist
- Hill Hold
- Blind Spot Radar
- Turn signals
- Factory Reset.

Settings - Riding Modes

The Riding Modes screen 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:

- Only in Rider mode, select between On-Road and Off-Road by enabling the required option. All other riding modes will automatically show a list of specified riding mode settings to select from.
- Scroll down/up the specific riding mode settings using the joystick to highlight the required setting.
- Press the joystick center to confirm. The relevant setting menu is now shown.
- Once the setting has been adjusted accordingly, press the joystick center to confirm and return to the main Riding Modes.
- 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/disable the traction control:

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

For more information on traction control, see page 71.

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 6th gear.

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

To enable/disable Triumph Shift Assist:

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

For more information on Triumph Shift Assist, see page 107.

Settings - Hill Hold

Hill hold control assists in making hill starts. The system (when activated) will apply the rear brake to hold the motorcycle in position. The system will then automatically deactivate and release the rear brake when it detects that the motorcycle is attempting to move off.

To enable or disable the hill hold control:

- From the Settings menu, push the joystick down/up to select the Hill Hold option.
- Push the joystick right to move the slider dot to the right to enable hill hold control.
- Push the joystick left to move the slider dot to the left to disable hill hold control.

For more information on hill hold control, see page 114.

Settings - Blind Spot Radar

The blind spot radar assists the rider by monitoring the blind spot areas behind the motorcycle.

The blind spot radar system can only be enabled and disabled manually by the rider.

To enable or disable the blind spot radar:

- From the Settings menu, push the joystick down/up to select the Blind Spot Radar option.
- Push the joystick right to move the slider dot to the right to enable Blind Spot Radar control.
- Push the joystick left to move the slider dot to the left to disable Blind Spot Radar control.

For more information on blind spot radar, see page 73.

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.
- Press the joystick center to confirm.
- Push the joystick down/up to select the required Turn Signal option. Press the joystick center to confirm.

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. A short press on the turn signal switch activates the turn signals for three flashes. A longer press on the turn signal switch activates the turn signals for eight seconds and an additional 71 yards (65 meters).

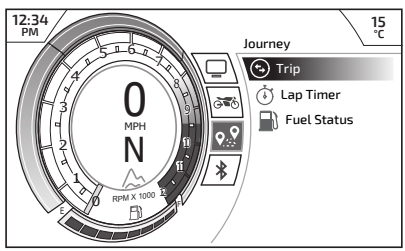
For more information on turn signals, see page 63.

Settings - Factory Reset

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

Journey Menu

The Journey menu allows configuration of the motorcycle journey information.

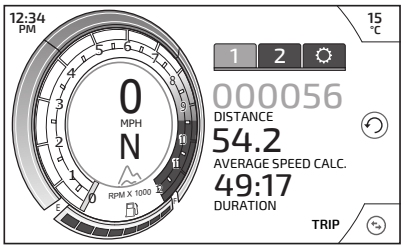


To access the Journey menu:

- From the Main menu, push the joystick down and select the Journey option.
- Press 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:

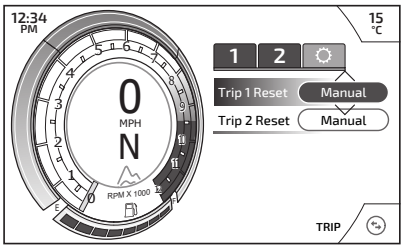
- Push the joystick left or right to select 1 or 2 from the tabs.
- The relevant trip meter information is then shown.

To reset a trip meter:

- Select the trip meter to be reset.
- Press 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:

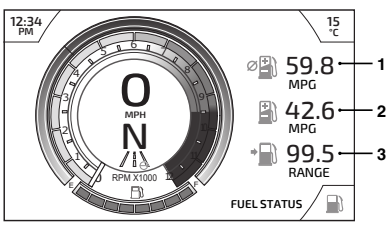
- Push the joystick left/right to select the Trip Settings tab.
- Push the joystick down/up to select the required trip meter. Press the joystick center to confirm.
- Push the joystick down/up to select the required reset option and press the joystick center to confirm.

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 press 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.

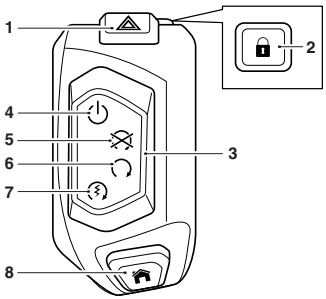
Bluetooth® Menu

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.

Right Handlebar Switches



1. **Hazard warning lights switch**
2. **Steering lock button**
3. **Engine start/stop switch**
4. **Power ON/OFF position**
5. **STOP position**
6. **RUN position**
7. **START position**
8. **HOME button**

The following sections describe the handlebar buttons and switches functions.

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.

Steering Lock Button

Warning

For reasons of security and safety, always make sure the steering lock is on when leaving the motorcycle unattended.

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

To lock the motorcycle, turn the handlebar fully to the left and press the steering lock button.

Power ON/OFF Position

The Power ON/OFF position switches the electrical circuits and the instrument display between on or off. This allows access to the instrument display without starting the engine.

Caution

Do not leave the switch in the Power ON position for a long period of time as this may cause damage to electrical components and will discharge the battery.

STOP Position

The STOP position stops the engine.

Note

Although the engine stop position 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.

RUN Position

The engine start/stop switch must be in the RUN position for the motorcycle to operate.

START Position

The START position operates the electric starter allowing for a quicker engine start.

From the ignition off, press and hold the engine start/stop switch in the START position with all the correct conditions met, to start the motorcycle.

For more information, see the Starting the Engine section.

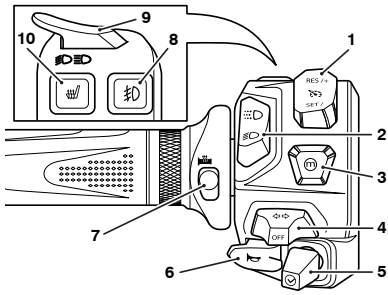
HOME Button

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.

Left Handlebar Switches



ckdf

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's heated seat switch (if equipped)**

Cruise Control Adjust Switch (if equipped)

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 68.

Daytime Running Lights (DRL) Switch (if equipped)

When the ignition is switched ON and the daytime running lights switch is set to DRL mode, the daytime running lights warning light will illuminate.

The daytime running lights and low beam headlights are operated manually using the DRL switch. Press the top of the switch for DRL mode, and the bottom of the switch for low beam headlight mode.

⚠ Warning

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

Riding with the daytime running lights when dark, in tunnels or where poor ambient light is apparent may reduce the riders vision or blind other road users.

Blinding other road users or reduced vision in low ambient light levels may result in loss of motorcycle control and an accident.

Note

During daylight hours the daytime running lights improve the motorcycles visibility to other road users.

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

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 to activate the ROAD mode.

For more information on riding mode selection and configuration, see page 54.

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.

Models Equipped with Automatic Self-Canceling Turn Signals

A short press and release of the turn signal switch to the left or right will cause the corresponding turn signals to flash on and off three times, then go off.

A longer press and release of the turn signal switch to the left or right will cause the corresponding turn signals to flash on and off.

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 58.

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 Button

The Joystick is used to operate the following functions of the instruments:

- Up - scroll the menu from the bottom to the top
- Down - scroll the menu from the top to the bottom
- Left - scroll the menu to the left
- Right - scroll the menu to the right
- Center - press to confirm selection.

Horn Button

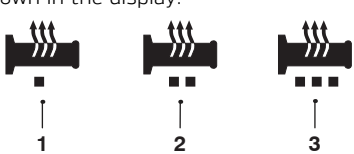
When the horn button is pushed, with the ignition switch turned on, the horn will sound.

Heated Grips Switch (if equipped)

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.

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 will power off. The heated grips will not function again until the voltage rises to a safe level.

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

Fog Lights Switch (if equipped)

The fog lights switch will only operate when the headlights are on. The fog lights switch will reset to off when the ignition is turned off then on again.

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

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 tail light and license plate light all function automatically when the ignition is turned on. 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, tail light and license plate light all function automatically when the ignition is turned on. The headlight will function when the ignition is turned on and the engine is running.

Rider's Heated Seat Switch (if equipped)

The rider's heated seat will only heat when the engine is running. When the rider's heated seat is switched on, then the rider's heated seat symbol will appear in the display. The selected heat level will also be indicated by the color of the symbol. For more information, see page 93.

Brake and Clutch Lever Adjusters

⚠ Warning

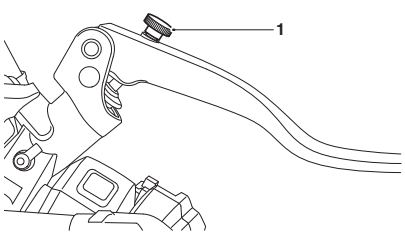
Do not attempt to adjust the levers with the motorcycle in motion as this may lead to loss of motorcycle control and an accident.

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 causing loss of motorcycle control and an accident.

A span adjuster is installed to both the front brake and clutch levers. The adjusters allow the distance from the handlebar to the levers to be changed to suit the span of the operator's hands.

Span Adjuster

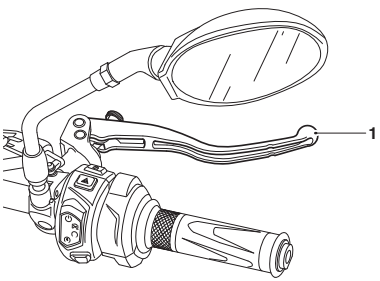


1. Span adjuster (brake lever shown)

To adjust the front brake and clutch lever:

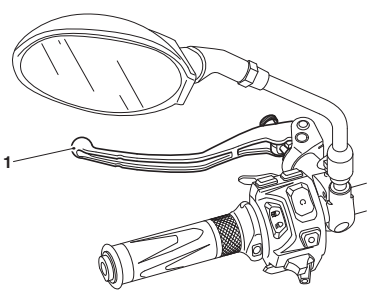
▼ Push the lever forward and turn the adjusting screw in to increase the distance or out to shorten the distance from the handlebar.

Front Brake Lever



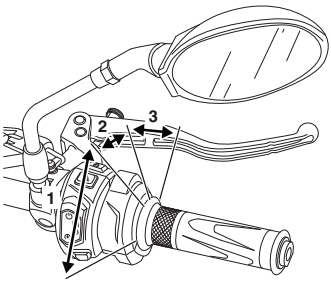
1. Brake lever

Clutch Lever



1. Clutch lever

Throttle Control



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

This Triumph model has an electronic throttle twist grip to open and close the throttle via the engine control unit. There are no direct-acting cables in the system.

The throttle grip has a resistive feel to it as it is rolled rearwards to open the throttle. When the grip is released it will return to the throttle closed position by its internal return spring and the throttle 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 (see page 70).

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 above conditions contact an authorized Triumph dealer as soon as possible to have the fault checked and rectified.

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 re-open the throttle.

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.

Using cruise control in heavy traffic, on roads with sharp/blind bends or when they are slippery, may result in loss of motorcycle control and an accident.

Warning

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

Operating a motorcycle at high speeds can be potentially dangerous since the time available to react to given traffic situations is greatly reduced as road speed increases.

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

Warning

Only operate this Triumph motorcycle at high speed in closed-course, on-road competition or on closed-course racetracks.

Warning Continued

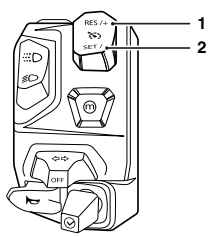
High speed operation should only then be attempted by riders who have been instructed in the techniques necessary for high speed riding and are familiar with the motorcycle's characteristics in all conditions.

High speed operation in any other circumstances is dangerous and will lead to loss of motorcycle control and an accident.

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 69 have been met.

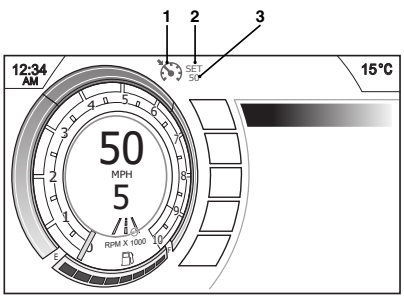
Activating Cruise Control

To turn on the cruise control system, press 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 3rd gear or higher.
- Once these conditions have been met, press 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 69.
- Cruise control is deactivated as described on page 70.

Adjusting the Set Speed While in Cruise Control

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

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

Each press 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 pressing 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 press 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 70, 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, may result in loss of motorcycle control and an accident.

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 pressing 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
- braking.

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

Failure to observe any of the above may result in loss of motorcycle control and an accident.

⚠ Warning

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

Riding on public roads with the traction control disabled may, if accelerating too hard on wet/slippery road surfaces, cause the rear wheel to slip resulting in loss of motorcycle control and an accident.

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 the rider may notice a change to the sound of the engine.

For information on the traction control indicator light operation, see page 35.

Optimized Cornering Traction Control

Optimized cornering traction control is a system designed to give the rider 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.

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 an authorized Triumph dealer as soon as possible to have the fault checked and rectified.

Hard acceleration and cornering in this situation may cause the rear wheel to spin resulting in loss of motorcycle control and an accident.

Warning

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

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

- There are no other faults with the TC system.
- TC has NOT been disabled by the rider (see Bike Setup on page 57 or Riding Mode Configuration on page 45).

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

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

Do not continue to ride for longer than is necessary with any of the above warning lights illuminated. Contact an authorized Triumph dealer as soon as possible to have the fault checked and rectified.

Hard acceleration and cornering in this situation may cause the rear wheel to spin resulting in loss of motorcycle control and an accident.

Note

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

For full details of the TC disabled warning light operation and its associated instrument warning messages, see page 36.

Traction Control Settings

⚠ Warning

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

In this situation accelerating too hard on wet/slippery road surfaces may cause the rear wheel to slip, and may result in loss of motorcycle control and an accident.

The TC system can be disabled as described in Bike Setup on page 57, or set to the conditions described in Riding Mode Configuration on page 45.

Blind Spot Radar (if equipped)

⚠ Warning

The blind spot radar is an aid. It does not replace the need to be aware of all situations when riding.

The rider must always maintain a high level of awareness and concentration while riding, always use the mirrors and check the blind spots. The rider must not rely on the blind spot radar. The rider must also look over their shoulder (head check) prior to overtaking or changing lanes.

The rider is responsible for detecting all other vehicles, estimating the distance between them and the motorcycle, and then maneuvering the motorcycle in a safe and responsible way to avoid any collision.

The rider must also obey all speed limits, observe all road signs and road markings, and react accordingly to any environmental influences such as thick fog, heavy rain, etc.

Operating and riding the motorcycle safely and correctly is always the rider's sole responsibility.

When riding, there is an area behind the motorcycle and rider that is not always visible to the rider even when using the mirrors. This is referred to as a blind spot area.

The blind spot radar may assist the rider by monitoring the blind spot areas behind the motorcycle.

The blind spot radar system can only be enabled and disabled manually by the rider.

Blind Spot Radar Sensor

⚠ Warning

The blind spot radar sensor cover may become covered by road dirt, mud, rain, ice, snow, etc.

Always make sure to check and clean the blind spot radar sensor cover before riding the motorcycle.

The blind spot radar's ability to detect a vehicle in the rider's blind spot may be effected and give incorrect indications. This may lead to a motorcycle accident.

⚠ Warning

Do not attach stickers or objects to the rear blind spot radar sensor cover.

The blind spot radar's ability to detect a vehicle in the rider's blind spot may be affected and give incorrect indications. This may lead to a motorcycle accident.

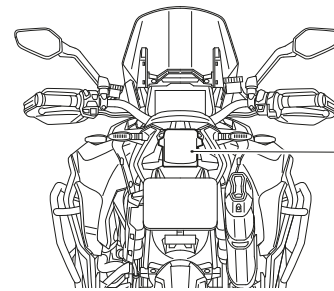
⚠ Warning

Always make sure that no accessories, luggage, or passenger's items cover or obscure the blind spot radar sensor cover or sensor range.

When riding with a passenger make sure that their clothing does not overhang the seat and cover the blind spot radar sensor cover.

The blind spot radar's ability to detect a vehicle in the rider's blind spot will be affected if it is covered and give incorrect indications. This may lead to a motorcycle accident.

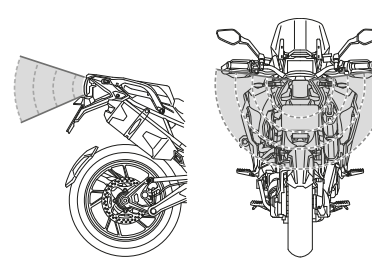
The blind spot radar sensor is located at the rear of the motorcycle below the passenger seat.



1. Blind spot radar sensor

The blind spot radar detects objects in the radar sensor's range and then processes the information and activates the blind spot indicator lights accordingly.

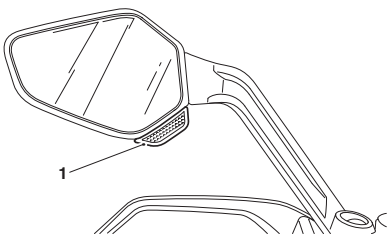
The blind spot radar sensor's signaling range may be impacted by environmental conditions such as fog, heavy rain and snow.



Blind Spot Radar Sensor Range

Blind Spot Radar Indicator Lights

The blind spot radar indicator lights are located at the bottom of the left and right hand side mirrors.



1. Blind spot radar indicator light

The blind spot radar indicator lights illuminate an amber color. They are maintenance free, sealed LED units attached to the mirrors. For more information, see page 95.

The blind spot radar indicator light on the left hand side mirror illuminates to indicate a vehicle is detected in the left hand side blind spot area. The blind spot radar indicator light on the right hand side mirror illuminates to indicate a vehicle is detected in the right hand side blind spot area.

Both the left and right blind spot radar indicator lights will illuminate at the same time if there is a fault. A warning message will show in the instrument display and the blind spot radar status light will illuminate amber.

There are two stages of activation for the blind spot radar indicator lights:

Stage 1

The blind spot radar indicator light continuously illuminates if a vehicle is detected in or approaching the blind spot area, and the relevant direction indicator is not being used.

Stage 2

The blind spot radar indicator light flashes if the vehicle is detected entering the blind spot area monitored by the blind spot radar sensor, and the relevant direction indicator is being used.

This is a secondary warning to indicate that there is still a vehicle or object in the blind spot area.

Deactivation

The blind spot radar indicator lights stop illuminating when the sensor no longer detects a vehicle in the blind spot area.

Conditions and Limitations

⚠ Warning

Blind spot radar is designed for on road use only.

When riding in OFF ROAD or OFF ROAD PRO riding modes, the blind spot radar must be disabled.

ABS and traction control must always be enabled when using the blind spot radar.

If the rider reacts to a blind spot radar indication in an adverse manner without ABS and traction control active, this may lead to a handling and stability issue, and may result in the loss of motorcycle control and an accident.

Warning

If the motorcycle has been involved in an accident, the blind spot radar's functionality may have been affected.

It is advised that the motorcycle is taken to an authorized Triumph dealer to have the blind spot radar checked.

The blind spot radar's ability to detect a vehicle in the rider's blind spot may be affected and give incorrect indications. This may lead to a motorcycle accident.

Warning

Only use Triumph approved accessories. Triumph approved accessories have been designed to equip the motorcycle without impacting the blind spot radar sensor range, when installed correctly.

Riders should be aware that only approved accessories for any Triumph motorcycle are those which carry official Triumph approval and are installed to the motorcycle by an authorized Triumph dealer.

The installation of any non-approved parts, accessories or conversions may adversely affect the handling, stability or other aspect of the motorcycle operation that may result in an accident causing injury or death.

The blind spot radar may not function in the following situations:

- in the presence of specific types of motorcycles
- in the presence of vehicles with high ground clearance
- the motorcycle is traveling at speeds under 12 mph (20 km/h).
- the motorcycle is traveling with a high degree of lean angle
- the motorcycle's ABS has been deactivated
- a high sided vehicle is passing/ overtaking the motorcycle
- another vehicle is overtaking the motorcycle at a very high, relative speed
- the motorcycle is weaving through lanes of stationary traffic.

The blind spot radar may not detect the following:

- Bicycles and scooters
- Pedestrians and animals
- Oncoming vehicles and objects
- Stationary objects such as parked cars, road works, motorway barriers, etc.

It is recommended to always ride with extreme caution and be aware of all vehicles and situations.

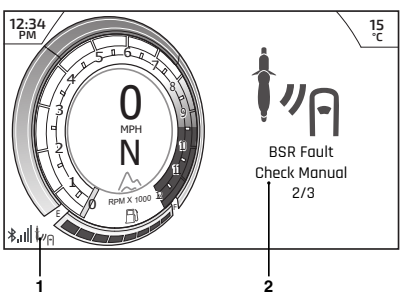
Operation

Before enabling the blind spot radar, make sure that all the correct conditions have been met as described on page 75.

To enable and disable the blind spot radar, access the Bike - Settings menu and follow the procedure described on page 57.

When the blind spot radar is enabled and active, the blind spot radar status symbol in the instrument display is illuminated green. If the blind spot radar is disabled and inactive, the symbol is illuminated amber. The blind spot radar status symbol will move to different areas of the instrument display depending on the menu options and modes in operation.

If there is a fault with the blind spot radar then a warning message is shown in the instrument display. Always follow the warning information and check that the blind spot radar sensor at the rear of the motorcycle is free from dirt and obstructions.

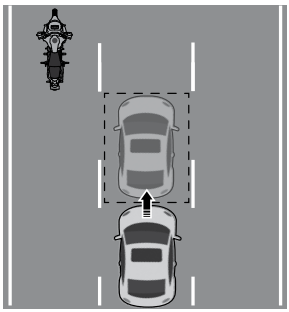


1. **Blind spot radar status symbol**
2. **Warning message**

When riding the motorcycle with the blind spot radar enabled, it is important to continue riding in a safe manner and be aware of the traffic and road conditions. Always use the mirrors and maintain a safe riding position in the road.

There are several scenarios such as lane changing on motorways when the blind spot radar can assist the rider.

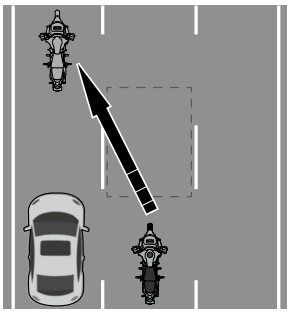
Scenario 1 - Vehicle Approaching/ Overtaking



Vehicle Approaching/ Entering the Blind Spot Area

The blind spot radar sensor detects vehicles approaching or passing the motorcycle. The approach speed of the vehicle will determine how soon the blind spot radar detects and signals the vehicle's presence. The faster the approach speed then the higher probability that the blind spot radar will not activate as expected. The slower the approach speed then the higher probability that the blind spot radar will be activated.

Scenario 2 - Passing/Overtaking a Vehicle

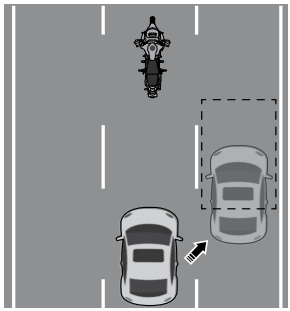


Motorcycle Overtaking Vehicle showing the Blind Spot Radar Area

When overtaking a vehicle, the difference in speed between the motorcycle and the vehicle it is overtaking will determine whether the blind spot radar will be activated or not.

If the speed the motorcycle is traveling at is only slightly faster than the vehicle it is overtaking, then the blind spot radar indicators will activate. If the speed the motorcycle is traveling at is significantly faster than the vehicle it is overtaking, then the blind spot radar indicators will not activate.

Scenario 3 - Vehicle Moving Lanes



Vehicle Moving Lanes

If a vehicle is traveling in the same direction as the motorcycle and enters the blind spot area from either the left or right hand side, then the blind spot radar may detect the vehicle. The relevant left or right hand side blind spot radar indicator light will then be illuminated.

Semi Active Suspension

⚠ Warning

After adjusting the suspension, 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 suspension settings from the one you are familiar with causing loss of motorcycle control and an accident.

The semi active suspension system controls adjustment of the front and rear suspension damping settings and the automatic preload settings.

Semi active suspension allows a convenient remote adjustment of the suspension mode and damping settings through the instruments, while the motorcycle is stationary or moving.

Semi active suspension adjustments are made instantly once a new riding mode or damping setting has been selected.

Using onboard sensors, including ride height and Inertial Measurement Unit (IMU), the system detects movements in the chassis and suspension and responds by adjusting the damper valves instantly. The chassis and suspension will be adapted to the characteristics of the terrain. Comfort and body control will be optimized accordingly.

For more information on adjusting the damping setting, see page 55.

Semi Active Suspension Modes

The following semi active suspension modes are available, depending on which riding mode is selected:

- On-Road - Optimal semi active suspension settings for road use. The rear suspension preload is adjusted automatically.
- Off-Road - Optimal semi active suspension settings for off-road use. The rear suspension preload is set at a predetermined position, dependent on the damping setting selected.

Semi Active Suspension Damping Settings

There are nine On-Road and nine Off-Road damping settings available for selection ranging from COMFORT (soft) to SPORT (firm). The three main settings are:

- COMFORT
- NORMAL
- SPORT.

Semi Active Suspension - Automatic Preload

The semi active suspension system can adjust the motorcycle automatically to suit the payload (e.g. compensating for the weight of a passenger). When driving off and when riding, the system monitors the suspension positions and adjusts the rear spring preload in order to maintain the optimum ride height. Damping is also adjusted automatically to suit the load. The rear suspension preload motor calibrates itself at regular intervals to make sure the system functions correctly.

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).

Check the tire pressure when the tires are cold using an accurate tire pressure gage, see the Tire section for more information.

Use of the TPMS system to set inflation pressures may lead to incorrect tire pressures leading to loss of motorcycle control and an accident.

Note

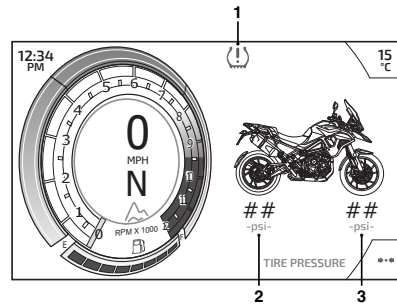
The Tire Pressure Monitoring System (TPMS) is available as an accessory kit. It must be installed by your authorized Triumph dealer.

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 installed to the wheel rim to indicate the position of the tire pressure sensor which is near the valve.

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



1. **TPMS warning light**
2. **Rear tire pressure indicator**
3. **Front tire pressure indicator**

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 and an accident.

⚠ Caution

Do not use anti puncture fluid or any other item likely to obstruct air flow to the TPMS sensor's 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 your tires mounted by your authorized Triumph dealer and inform them that tire pressure sensors are installed on the wheels.

⚠ Caution

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 your tires mounted by your authorized Triumph dealer and inform them that tire pressure sensors are installed on the wheels.

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 completely flat, 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 your authorized Triumph dealer to have the sensor replaced and the new serial number recorded in the spaces provided in the Sensor Serial Number section.

With the ignition turned ON, if the TPMS symbol flashes continuously or the TPMS warning light remains on there is a fault with the TPMS system. Contact your authorized Triumph dealer to have the fault rectified.

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 by your authorized Triumph dealer for service or diagnostics.

When the tire pressure monitoring system is being installed to the motorcycle, make sure that your authorized Triumph dealer records the serial numbers of the front and rear tire pressure sensors in the spaces provided below.

Front Tire Pressure Sensor

Rear Tire Pressure Sensor

Replacement Tires

When replacing tyres, always have an authorized Triumph dealer fit your tyres and make sure they are aware that tyre pressure sensors are fitted to the wheels.

Fuel

Fuel Grade

Triumph motorcycles are designed to use unleaded fuel and will give optimum performance if the correct grade of fuel is used. Always use unleaded fuel with a minimum octane rating of 95 RON.

Triumph motorcycles are designed to run on unleaded gasoline with a CLC or AKI octane rating (R+M)/2 of 87 or higher. Federal regulations require that pumps delivering unleaded gasoline are marked 'UNLEADED' and that the Cost of Living Council (CLC) or Anti-Knock Index (AKI) octane rating is also displayed. These ratings are an average of the Research Octane Number (RON) and the Motor Octane Number (MON).

Ethanol

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

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

Engine Calibration

In certain circumstances engine calibration may be required. Always refer to your authorized Triumph dealer.

⚠ Caution

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 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.

⚠ Caution

The exhaust system for this motorcycle 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.

Note

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

Note

If 'knocking' or 'pinging' occurs at a steady engine speed under normal load, use a different brand of gasoline or gasoline which 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.

Note

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

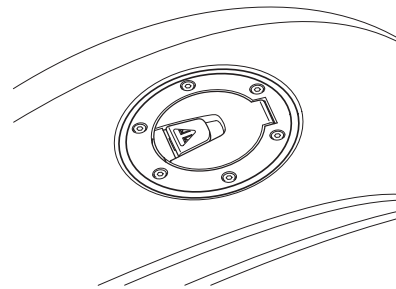
⚠ Warning

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 the refueling area is well ventilated and free from any source of flame or sparks. This includes any appliance with a pilot light.
- 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, injury to persons or death.

Fuel Tank Cap

This motorcycle is equipped with a keyless fuel tank cap. This allows the fuel tank cap to be opened without inserting a physical key.



To open the fuel tank cap:

- ▼ Make sure the ignition is on and the engine is not running.
- ▼ Lift up the small flap.
- ▼ The fuel tank cap is hinged to the motorcycle. Open the fuel tank cap.

To close and lock the fuel tank cap:

- ▼ The fuel tank cap can be closed with or without the ignition on.
- ▼ Push the fuel tank cap down into place until the lock 'clicks' into place.

When the motorcycle ignition is switched off, there is a time period of one minute when the fuel tank cap may be opened. After this minute, the fuel tank cap will lock and the motorcycle ignition must be switched on to allow access again.

If the fuel tank cap still doesn't open, take your motorcycle to the nearest Triumph dealer. If this is not possible then follow the emergency access procedure.

Emergency Access

⚠ Warning

Make sure the motorcycle is stabilized and adequately supported.

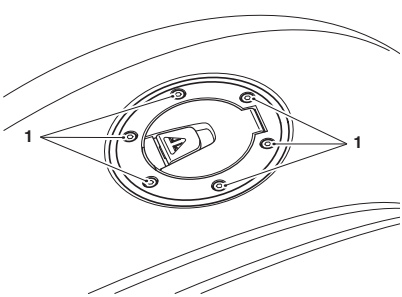
A correctly supported motorcycle will help prevent it from falling.

An unstable motorcycle may fall, causing injury to the operator or damage to the motorcycle.

The emergency access Allen key is located in the storage tray underneath the passenger seat or attached to the seat base.

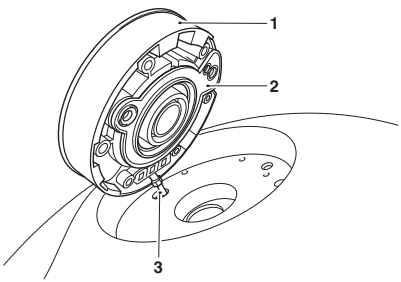
To access the fuel tank cap to refuel in an emergency:

▼ Using the emergency access Allen key, remove the fuel tank cap fasteners.



1. **Fuel tank cap fasteners**

▼ There is a cable attached to the fuel tank cap. Carefully remove the fuel tank cap and seal, tilting the whole component towards the front of the motorcycle.



1. **Seal**
2. **Rubber gasket**
3. **Cable**

▼ Keep the fuel tank cap and seal close to the motorcycle. Do not stretch the cable. Take care not to damage the fuel tank paintwork.

▼ When removing the fuel tank cap and seal, the rubber gasket may become loose. Note the orientation and position for reinstalling.

▼ Slowly refuel the fuel tank, see page 86.

Warning

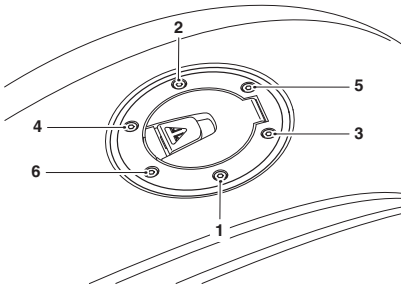
Overfilling the tank can lead to fuel spillage.

If fuel is spilled, thoroughly clean up the spillage immediately and dispose of the materials used safely.

Take care not to spill any fuel near the cable or the cable hole, on the engine, exhaust pipes, tires or any other part of the motorcycle.

Because fuel is highly flammable, any fuel leak or spillage, or any failure to observe the safety advice given above may lead to a fire hazard, which could cause damage to property and injury or death to persons.

- Make sure that the seal and rubber gasket are attached to the fuel tank cap in the correct position.
- Carefully reinstall the fuel tank cap, seal and gasket taking care not to stretch or trap the cable.
- Reinstall the fuel tank cap fasteners and tighten in the sequence shown below to 22.1 lbf in (2.5 Nm).



Tightening Sequence

- Take the motorcycle to the nearest Triumph dealer to check and rectify.

Filling the Fuel Tank

Warning

Overfilling the tank can lead to fuel spillage.

If fuel is spilled, thoroughly clean up the spillage immediately and dispose of the materials used safely.

Take care not to spill any fuel on the engine, exhaust pipes, tires or any other part of the motorcycle.

Because fuel is highly flammable, any fuel leak or spillage, or any failure to observe the safety advice given above may lead to a fire hazard, which could cause damage to property and injury or death to persons.

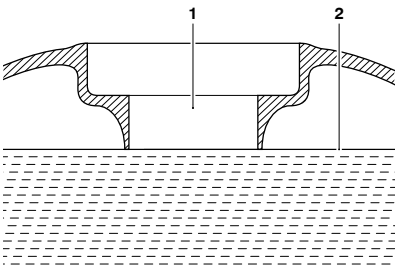
Fuel spilled near to, or onto the tires will reduce the tires' ability to grip the road. This will result in a dangerous riding condition potentially causing loss of motorcycle control and an accident.

Caution

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.

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 filler cap is correctly closed.

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.

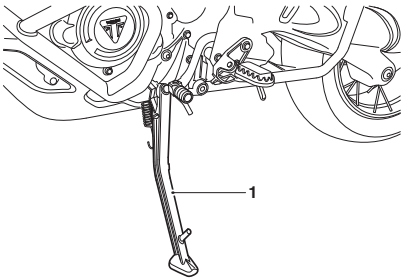
Never attempt to ride with the side stand down or interfere with the interlock mechanism as this will cause a dangerous riding condition leading to loss of motorcycle control and an accident.

⚠ Warning

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 leading to motorcycle damage and an accident.

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



1. Side stand

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

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

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

Center Stand (if equipped)

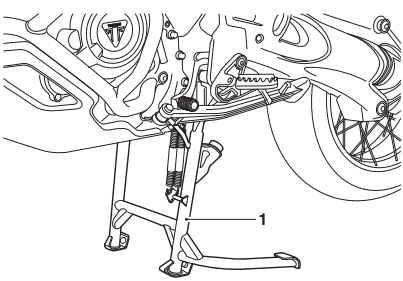
⚠ Warning

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 leading to motorcycle damage and an accident.

⚠ Caution

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



1. Center stand

To set the motorcycle on the center stand, step down firmly on the foot finder part of the stand, then lift the motorcycle up and to the rear using the rear rack as a handhold.

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

Seats

Warning

Make sure the motorcycle is stabilized and adequately supported.

A correctly supported motorcycle will help prevent it from falling.

An unstable motorcycle may fall, causing injury to the operator or damage to the motorcycle.

Caution

To prevent damage to the seats or seat covers, care must be taken not to drop the seats.

Do not lean the seats against the motorcycle or any surface which may damage the seats or seat covers. Instead, place the seats, with the seat cover facing upwards, on a clean, flat surface which is covered with a soft cloth.

Do not place any item on the seats which may cause damage or staining to the seat covers.

For seat cleaning information, see page 171.

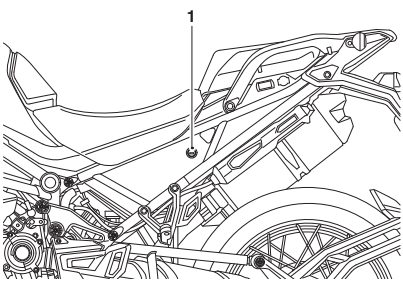
Seat Lock

Warning

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

If the passenger seat is not correctly secured in the lock, it will detach from the lock.

A loose or detached passenger seat may cause loss of motorcycle control and an accident.



1. Seat lock

The seat lock is located on the left hand side of the motorcycle, on the rear bodywork below the rider's seat.

The seat lock unlocks the passenger seat. The passenger seat must be removed to access the rider's seat.

Passenger Seat

⚠ 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 cause loss of motorcycle control and an accident.

⚠ 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 cause loss of motorcycle control and an accident.

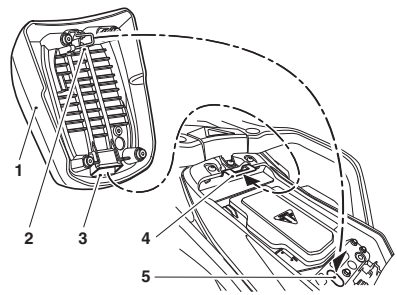
The passenger seat must be removed before the rider's seat can be removed. There is also a small storage compartment located beneath the passenger seat, see page 94.

Passenger Seat Removal

To remove the passenger seat:

- Insert the key into the seat lock and turn it counter-clockwise while pressing down on the front part of the passenger seat. This will release the passenger seat from its lock.
- Lift the front of the passenger seat and slide forwards.
- If equipped with heated seats, disconnect the heated seat's electrical connector for complete removal from the motorcycle.

Passenger Seat Installation



1. **Passenger seat**
2. **Seat base U-bar**
3. **Passenger seat rear pocket**
4. **Subframe tongue**
5. **Latch**

To install the passenger seat:

- If equipped, connect the heated seat's electrical connector.
- Insert the subframe tongue into the passenger seat rear pocket.
- Align the seat base U-bar with the latch.
- Press down on the front of the passenger seat to engage the seat lock.

Rider's Seat

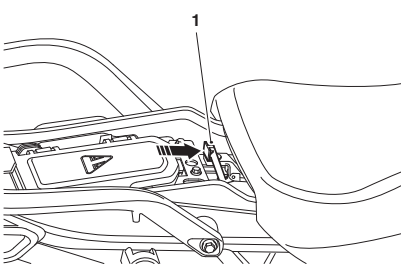
⚠ Warning

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 cause loss of motorcycle control and an accident.

Rider's Seat Removal

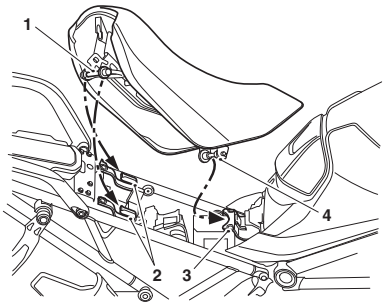


1. **Rider's seat release mechanism**

To remove the rider's seat:

- ▼ Remove the passenger's seat (see page 90).
- ▼ If equipped with heated seats, disconnect the heated seat's electrical connector for complete removal from the motorcycle.
- ▼ Push the rider's seat release mechanism towards the front of the motorcycle. This will release the rider's seat from its lock.
- ▼ Grasp the rider's seat on either side, and slide it rearwards and upwards.

Rider's Seat Installation



1. **Rider seat rear bar**
2. **Rear seat hooks**
3. **Seat bridge**
4. **Rider seat front bar**

To install the seat:

- ▼ If equipped, connect the heated seat's electrical connector.
- ▼ Line up the rider seat front bar with the seat bridge and slide forwards and down to engage fully with the hooks on the seat bridge.
- ▼ At the same time, lower the rear of the rider seat and engage the rider seat rear bar into the rear seat hooks.
- ▼ Push forwards and press down firmly on the rear of the seat to engage the seat lock.
- ▼ Reinstall the passenger seat (see page 90).

Rider's Seat Height Adjustment

⚠ Warning

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

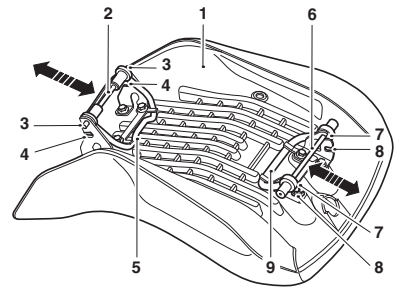
Riding the motorcycle with an incorrectly mounted seat may cause loss of motorcycle control and an accident.

⚠ 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 cause loss of motorcycle control and an accident.

The rider's seat is adjustable for height by approximately 0.78 in (20 mm). The rider's seat is shown in the high seat position below.



1. **Rider's seat**
2. **Seat height adjustment rail (front)**
3. **High seat height position (front)**
4. **Low seat height position (front)**
5. **Rubber band (front)**
6. **Seat height adjustment rail (rear)**
7. **High seat height position (rear)**
8. **Low seat height position (rear)**
9. **Rubber band (rear)**

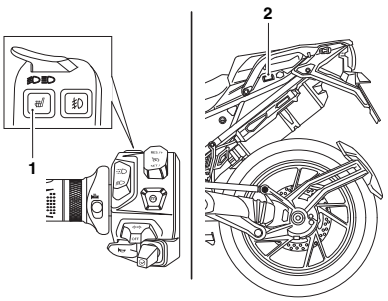
To adjust the rider's seat:

- ▼ Remove the rider's seat (see page 91).
- ▼ Make sure the front and rear rubber bands are secured in place.
- ▼ Pull the front seat height adjustment rail away from the seat to release it from its current position.
- ▼ Move the front seat height adjustment rail into the high or low position. Make sure that the front seat adjustment rail is secure in its new position.
- ▼ Pull the rear seat height adjustment rail away from the seat to release it from its current position.

- Move the rear seat height adjustment rail into the high or low position. Make sure that the rear seat adjustment rail is secure in its new position.
- Reinstall the rider's seat (see page 91).

Heated Seats (if equipped)

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

The heated seats 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

⚠ Caution

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

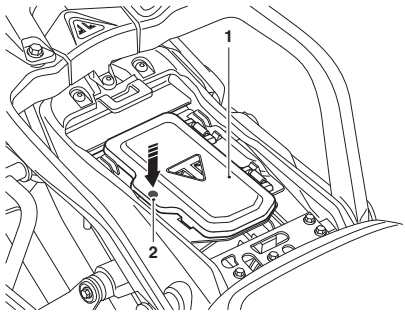
Make sure there is sufficient space surrounding any electronic devices or other items for the storage compartment to close without causing any damage to the items or the motorcycle.

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

⚠ Caution

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:

▼ When viewing the motorcycle from the front, press the center of the left hand side of the storage compartment lid to release the lock device to open it.

Mirrors

⚠ 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.

Attempting to clean or adjust mirrors while riding the motorcycle may result in loss of control of the motorcycle and an accident.

Only attempt to clean or adjust the mirrors while stationary.

⚠ Warning

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.

Always adjust the mirrors to provide sufficient rearward vision before riding the motorcycle.

Blind Spot Radar Lights (if equipped)

The blind spot radar lights located on the mirrors are sealed, maintenance free LED units and are part of the mirrors. The mirrors must be replaced in the event of the failure of the blind spot radar lights. Always take care when cleaning the mirrors and lights.

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 result in loss of motorcycle control and an accident.

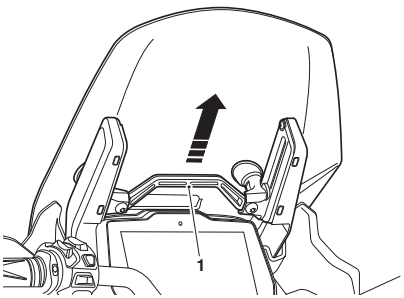
⚠ Warning

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

Riding the motorcycle with an incorrectly adjusted windshield could cause loss of motorcycle control and an accident.

Note

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



1. Height adjustment handle

To adjust the windshield height:

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

For windshield cleaning information, see page 171.

Electrical Accessory Sockets

Caution

Do not charge a battery using the rear electrical accessory socket.

Charging a battery using the rear electrical accessory socket may result in damage to the chassis control unit.

Only charge a battery using the front electrical accessory socket.

Caution

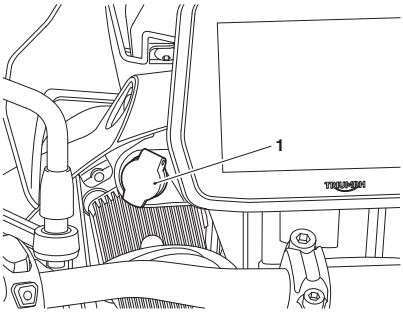
Do not leave electrical accessories connected to the front electrical accessory socket when the engine is not running as this will discharge the battery.

Note

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

A plug, suitable for use with the accessory socket, is available from your authorized Triumph dealer.

Front Electrical Accessory Socket

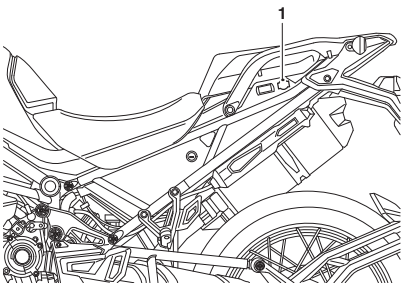


1. Front electrical accessory socket

The front electrical accessory socket is located in front of the fuel tank next to the instrument panel. The socket will provide a 12 Volt electrical supply.

Fuse number seven protects the front electrical accessory socket circuit, refer to the label in the fuse box lid for fuse amperage.

Rear Electrical Accessory Socket



1. Rear electrical accessory socket (if equipped)

The rear electrical accessory socket (if equipped) is located on the left side, towards the rear of the motorcycle. The socket will provide a 12 Volt electrical supply and is live when the engine is running.

The rear electrical accessory socket is protected by a chassis ECM, which will automatically cut power to the socket in the event of an overload. Power can be restored to the rear electrical accessory socket by turning the ignition switch off then on again, provided that the socket is not still overloaded.

USB Socket

⚠ Warning

The USB socket is not waterproof unless the waterproof cap is installed. Do not connect electronic devices while it is raining.

Water in the USB socket could lead to an electrical problem, resulting in motorcycle damage, loss of motorcycle control and an accident.

⚠ Caution

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

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

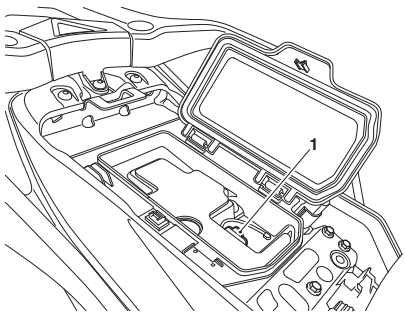
⚠ Caution

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

The Universal Serial Bus (USB) socket allows a 5 Volt USB connection for charging electronic devices such as mobile phones, cameras and GPS devices. Loads up to two Amps can be connected to the USB socket.

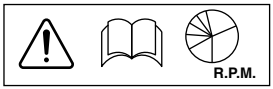
To access the USB socket:

- Remove the passenger seat, see page 90.
- 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.
- Remove the cap.
- Plug the relevant USB adapter cable into the socket. Adapter cables are not supplied with the motorcycle.



1. Universal Serial Bus (USB) socket

Breaking-In



Breaking-in is the name given to the process that occurs during the first hours of a new vehicle's operation.

In particular, internal friction in the engine will be higher when components are new. Later on, when continued operation of the engine has ensured that the components have 'bedded in', this internal friction will be greatly reduced.

A period of careful breaking-in will ensure lower exhaust emissions, and will optimize performance, fuel economy and longevity of the engine and other motorcycle components.

During the first 500 miles (800 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 speed.

From 500 to 1,000 miles (800 to 1,600 km):

- Engine speed can gradually be increased to the rev limit for short periods.

Both during and after breaking-in has been completed:

- Do not overrev 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

cboc

Warning

Failure to perform these checks every day before you ride may result in serious motorcycle damage or an accident causing serious injury or death.

Check the following items each day before you ride. The time required is minimal, and these checks will help make sure you have a safe, reliable ride.

If any irregularities are found during these checks, refer to the Maintenance and Adjustment section or see your 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 82).

Engine Oil: Correct level visible at sight glass. Add correct specification oil as required. No leaks from the engine or oil cooler (see page 129).

Final Drive: No oil leaks (see page 140).

Tires/Wheels: Correct inflation pressures (when cold). Tread depth/ wear, tire/wheel damage, punctures etc. (see page 149).

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 145).

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 141).

ABS: Make sure that the ABS warning light does not remain illuminated at speeds above 6 mph (10 km/h) when moving off (see page 111).

Brake Pads: There should be more than 0.06 in (1.5 mm) of friction material remaining on all the pads (see page 141).

Brake Fluid Levels: No brake and clutch fluid leakage. Brake fluid levels must be between the MAX and MIN marks on both reservoirs (see page 143 and page 144).

Front Forks: Smooth action. No leaks from fork seals (see page 148).

Throttle: Throttle grip free play 0.08 - 0.12 in (2-3 mm). Make sure that the throttle grip returns to the idle position without sticking (see page 67).

Clutch Fluid Level: No brake and clutch fluid leakage. The clutch fluid level must be between the MAX and MIN marks on the reservoir (see page 138).

Coolant: No coolant leakage. Check the coolant level in the expansion tank (when the engine is cold) (see page 134).

Electrical Equipment: All lights and the horn function correctly (see page 162).

Engine Stop: Stop switch turns the engine off (see page 104).

Stands: Returns to the fully up position by spring tension. Return springs not weak or damaged (see page 87 and page 88).

Blind Spot Radar Cover (if equipped): Check and clean the blind spot radar sensor cover (see page 74).

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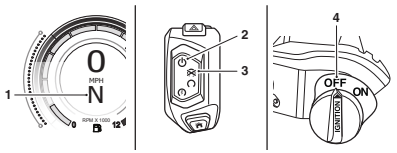
Stopping the Engine



1. **Neutral indicator light**
2. **Engine stop switch - Power ON/OFF position**
3. **Engine stop switch - STOP position**
4. **Master ignition switch - OFF position (if equipped)**

To stop the engine:

- ▼ Close the throttle completely.
- ▼ Select neutral.
- ▼ Place the engine stop switch in the STOP position.
- ▼ Turn the master ignition switch to the OFF position (if equipped).
- ▼ Select first gear.
- ▼ Support the motorcycle on a firm, level surface with the side stand.
- ▼ Lock the steering. To completely switch the motorcycle off, place the engine stop switch in the Power ON/OFF position.
- ▼ If leaving the motorcycle for a prolonged period of time, make sure the smart key is switched off.

⚠ Caution

Do not leave the ignition switched on with the engine stopped. This will cause electrical damage.

Starting the Engine

⚠ Warning

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

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

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

⚠ Caution

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.

Do not let the engine idle for long periods as this may lead to overheating which will cause damage to the engine.

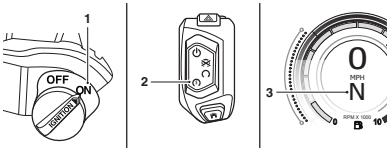
⚠ Caution

If the engine fails to start, wait at least five seconds before attempting to start the engine again.

If the engine fails to start after three attempts, the starter system will be disabled for two minutes to protect the battery and starter system.

If the engine fails to start after a further six attempts, do not continue any further attempts. Consult your authorized Triumph dealer.

Continued attempts at starting the engine will cause serious damage to the battery or starting system.



1. **Master ignition switch (if equipped)**
2. **Engine start/stop switch - START position**
3. **Neutral indicator light**

To start the engine:

- ▼ Make sure that the master ignition switch (if equipped) is turned to the ON position, see page 29.
- ▼ Pull the clutch lever fully into the handlebar.
- ▼ Press and hold the START position on the engine start/stop switch until the engine starts.
- ▼ Make sure the transmission is in neutral.

The motorcycle is equipped with starter lockout switches. The switches prevent the electric starter from operating when the transmission is not in neutral 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.

Note

A transponder is installed within the key to turn off the engine immobilizer. Only have one of the ignition keys near the motorcycle. Having two ignition keys near the motorcycle 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.

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).

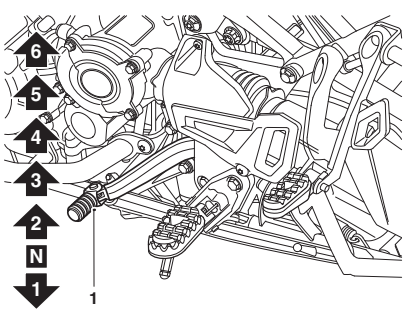
Always open the throttle cautiously, particularly if you are unfamiliar with the motorcycle, as a 'wheelie' or loss of traction will cause loss of motorcycle control and an accident.

⚠ Warning

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

This can lock the rear wheel causing loss of control and an accident. Engine damage may also be caused.

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



1. **Gear shift pedal**

To shift gears:

- 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.

Note

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.

Triumph Shift Assist (TSA) (if equipped)

⚠ Caution

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

It must not be used during off-road riding.

⚠ Caution

In the event of 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.

Contact a Triumph dealer as soon as possible to have the fault checked and rectified.

⚠ Caution

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

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

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

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

TSA is not an automatic system for shifting gears. Gears must be selected and shifted in the normal way using the gear pedal as described on page 106.

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 6th 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 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.

Moving Off

To move the motorcycle:

- ▼ 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.

Braking

All motorcycle models are equipped with a partially integrated braking system, combined with the Anti-lock Braking System (ABS).

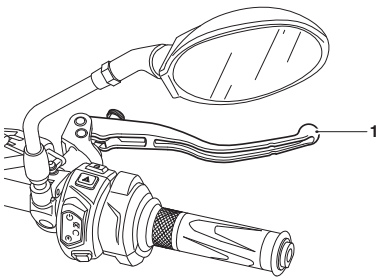
This partially integrated braking system is designed to increase the braking efficiency of the rider.

When the rider applies the front brake, a small amount of rear brake is also applied, allowing for balancing braking.

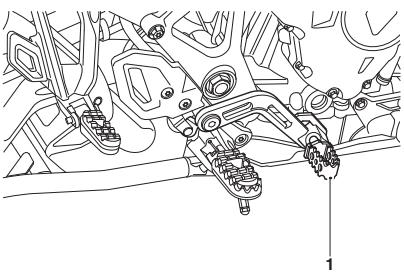
The amount of rear brake application is related to the level of braking force applied by the rider through the front brake lever.

Use of the rear brake pedal alone will only apply the rear brake.

For full brake effectiveness, always operate the front brake lever and rear brake pedal together.



1. Front brake lever



1. Rear brake pedal

The rear brake pedal on the Tiger 1200 Rally Pro and Tiger 1200 Rally Explorer motorcycles is height adjustable. For more information, page 144.

⚠ 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 and an accident.

⚠ 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 could result in loss of control and an accident.

⚠ Warning

For your safety, always exercise extreme caution when braking, accelerating or turning as any improper action can cause loss of 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 and an accident.

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 control and an accident.

⚠ 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 leading to loss of motorcycle control and an accident.

⚠ 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 leading to loss of motorcycle control and an accident.

⚠ 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, which can lead to sudden loss of motorcycle control and an accident.

⚠ 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 cause loss of motorcycle control and an accident.

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.

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. This can result in loss of control and an accident.

Under some circumstances it is possible that a motorcycle equipped with ABS may require a longer stopping distance.

For information on the ABS function and operation, see page 45.

ABS Warning Light

When the ignition switch is turned on, it is normal for the ABS warning light to flash on and off (see page 34). 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 warning light becomes illuminated while riding, it indicates that the ABS has a malfunction that requires investigation.

Note

The ABS operation may feel like a harder pedal pressure or a pulsation of the brake lever and pedal.

The ABS may be activated by sudden upward or downward changes in the road surface.

Warning

If the 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 warning light illuminated.

Contact an authorized Triumph dealer as soon as possible to have the fault checked and rectified. In this situation braking too hard will cause the wheels to lock resulting in loss of motorcycle control and an accident.

Warning

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).

⚠ 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, potentially leading to loss of control and an accident in conditions where the ABS would normally function.

Optimized Cornering ABS

The optimized cornering ABS provides 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 assist the rider in maintaining motorcycle control.

For more information on function availability, see page 45.

⚠ Warning

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.

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 however be able to fully counteract the weight and momentum of the motorcycle and braking too hard while cornering may result in loss of motorcycle control and an accident.

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.

⚠ 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 an authorized Triumph dealer as soon as possible to have the fault checked and rectified.

In this situation, braking too hard during cornering may result in loss of motorcycle control and an accident.

Hill Hold Control

Hill hold control assists the rider in making hill starts. The system (when activated) will apply the rear brake to hold the motorcycle in position. The system will then automatically deactivate and release the rear brake when it detects that the rider is attempting to move off.

⚠ Warning

Avoid activating the hill hold control system on slippery surfaces.

The hill hold control system will not be able to prevent the motorcycle from slipping, if it is activated on a surface where there is insufficient levels of tire grip to hold the motorcycle in position.

Activating the hill hold control system on a slippery surface could cause the motorcycle to slip, leading to loss of motorcycle control and an accident.

⚠ Warning

The hill hold control system will deactivate if the side stand is moved to the down position, the ignition is switched off, the engine stop switch is moved to the STOP position or if the engine is stopped for any other reason.

The hill hold control system will also deactivate if a fault occurs which causes the Malfunction Indicator Light (MIL) to illuminate.

In these circumstances, the front brake must be manually applied to prevent the motorcycle from rolling.

Failure to prevent the motorcycle from rolling may lead to loss of motorcycle control and an accident.

⚠ Caution

The hill hold control system is not designed to be used as a parking brake.

Do not continually activate the hill hold system for periods of longer than 10 minutes.

Continuous activation of the hill hold control system for periods of longer than 10 minutes may cause damage to the ABS system.

Activation

The following conditions must be met before hill hold control can be activated:

- The engine must be running
- The side stand must be in the up position
- The motorcycle must be stationary.

The hill hold control system will not operate if there is a fault with the ABS or engine management systems and the ABS and/or MIL warning lights are illuminated.

When all of the above conditions are met, complete the following:

- Squeeze the front brake lever firmly and quickly, then release.
- Upon releasing the lever, the hill hold warning light is shown in green. The hill hold control system is now active and the rear brake will be automatically applied.
- The hill hold warning light will remain green until hill hold control is deactivated.
- The rear brake will remain applied until the system detects that the rider is attempting to move off, or hill hold control is manually deactivated by the rider.

Deactivation

The hill hold control system will automatically deactivate when it detects that the rider is attempting to move off. The system will progressively release the rear brake to assist the rider in moving off.

The hill hold control system can also be manually deactivated by a second firm squeeze of the front brake lever. The hill hold warning light is then shown in amber.

Hill Hold Unavailable

If when attempting to activate the hill hold control system, the amber hill hold unavailable warning light is shown, this indicates one or more of the following:

- The activation conditions have not been met, see page 115.
- There is a fault with the ABS or engine management systems and the ABS and/or MIL warning lights are illuminated. For more information, see the Warning Lights section on page 33.

A hill hold unavailable warning message is also shown in the display.

The hill hold control system can be enabled or disabled (see page 57).

Parking

⚠ Warning

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 may cause unprotected skin to become burnt.

⚠ 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.

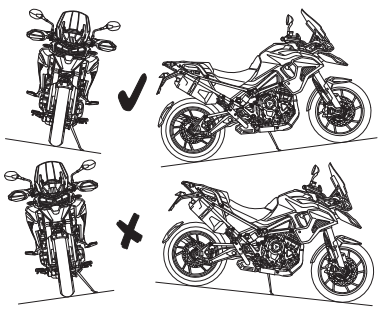
Failure to follow the above advice may cause a fire resulting in damage to property or personal injury.

⚠ Warning

Do not park on a soft or steeply inclined surface.

⚠ Warning Continued

Parking under these conditions may cause the motorcycle to fall over causing damage to property and personal injury.



To park the motorcycle:

- 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.

Considerations for High Speed Operation

Warning

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

Operating a motorcycle at high speeds can be potentially dangerous since the time available to react to given traffic situations is greatly reduced as road speed increases.

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

Warning

Only operate this Triumph 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 will lead to loss of motorcycle control and an accident.

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 as a serious accident may result from incorrect operation.

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.

General

Make sure that the motorcycle has been maintained according to the scheduled maintenance chart.

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.

Luggage

Make sure that any luggage containers are closed, locked and securely installed on the motorcycle.

Brakes

Check that the front and rear brakes are functioning properly.

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.

Fuel

Have sufficient fuel for the increased fuel consumption that will result from high-speed operation.

⚠ Caution

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

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.

Engine Oil

Make sure that the engine oil level is correct. Make sure that the correct grade and type of oil is used when topping off.

Final Drive Oil

Make sure that the final drive oil level is correct. Make sure that the correct grade and type of oil is used when topping off.

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 the headlight, rear/brake light, turn signals, horn, etc. all work properly.

Miscellaneous

Visually check that all fasteners are tight.

The addition of accessories and carrying of additional weight can affect the motorcycle's handling characteristics causing changes in stability and requiring 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.

⚠ 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 and an accident. 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.

⚠ Warning

Owners should be aware that the only approved parts, accessories and conversions for any Triumph motorcycle are those which carry official Triumph approval and are installed to the motorcycle by an authorized 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 and any such modification could cause a safety hazard.

The installation of any non-approved parts, accessories or conversions may adversely affect the handling, stability or other aspect of the motorcycle operation that may result in an accident causing injury or death.

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

⚠ Warning

Do not move or lift the motorcycle by using any part of the luggage system or any accessories.

Damage to the motorcycle and/or personal injury may occur.

Loading

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

⚠ 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.

Evenly distribute the load within each pannier (if equipped). 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 motorcycle loading weight as specified in the Specifications section.

This maximum motorcycle loading weight is made up from the combined weight of the rider, any accessories equipped and any load carried.

When in on-road modes, the rear preload suspension is automatically adjusted to compensate for the payload.

Incorrect loading may result in an unsafe riding condition leading to an accident.

⚠ Warning

The maximum safe load for each pannier is stated on a label inside the pannier.

Never exceed this loading limit as this may cause the motorcycle to become unstable leading to loss of motorcycle control and an accident.

⚠ Warning

Never attempt to store any items between the frame and the fuel tank.

This can restrict the steering and will cause loss of control leading to an accident.

Weight attached to the handlebar or front fork will increase the mass of the steering assembly and can result in loss of steering control leading to an accident.

⚠ Warning

Do not use the passenger seat to carry any objects.

Carrying objects on the passenger seat may lead to loss of motorcycle control and an accident.

Note

Adjust the headlight aim to compensate for additional loads (see page 164).

Passengers

⚠ Warning

The handling and braking capabilities of a motorcycle will be affected by the presence of a passenger.

The rider must make allowances for these changes when operating the motorcycle with a passenger and should not attempt such operation unless trained to do so and without becoming familiar and comfortable with the changes in motorcycle operating characteristics that this brings about.

Motorcycle operation without making allowances for the presence of a passenger could lead to loss of motorcycle control and an accident.

⚠ 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 leading to loss of control and an accident.

⚠ 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.

⚠ Warning

Do not carry animals on your motorcycle.

An animal could make sudden and unpredictable movements that could lead to loss of motorcycle control and an accident.

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MAINTENANCE

Scheduled Maintenance

Warning

Triumph Motorcycles cannot accept any responsibility for damage or injury resulting from incorrect maintenance or improper adjustment carried out by the owner.

Incorrect or neglected maintenance can lead to a dangerous riding condition.

Always have an authorized Triumph dealer carry out the scheduled maintenance of this motorcycle.

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. A malfunctioning motorcycle may lead to loss of control and an accident.

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. Only an authorized Triumph dealer will have this knowledge and equipment.

Incorrect or neglected maintenance can lead to a dangerous riding condition. Always have an authorized Triumph dealer carry out the scheduled maintenance of this motorcycle.

To maintain the motorcycle in a safe and reliable condition, the maintenance and adjustments outlined in this section must be carried out as specified in the schedule of daily checks, and also in line with the scheduled maintenance chart. The information that follows describes the procedures to follow when carrying out the daily checks and some simple maintenance and adjustment items.

Scheduled maintenance may be carried out by your authorized Triumph dealer in three ways; annual maintenance, mileage based maintenance or a combination of both, depending on the mileage the motorcycle travels each year.

1. Motorcycles traveling less than 10,000 miles (16,000 km) per year must be maintained annually. In addition to this, mileage based items require maintenance at their specified intervals, as the motorcycle reaches this mileage.
2. Motorcycles traveling approximately 10,000 miles (16,000 km) per year must have the annual maintenance and the specified mileage based items carried out together.
3. Motorcycles traveling more than 10,000 miles (16,000 km) per year must have the mileage based items maintained as the motorcycle reaches the specified mileage. In addition to this, annual based items will require maintenance at their specified annual intervals.

In all cases maintenance must be carried out at or before the specified maintenance intervals shown. Consult an authorized Triumph dealer for advice on which maintenance schedule is most suitable for your motorcycle.

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 using the Triumph Diagnostic tool.

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. Contact an authorized Triumph dealer as soon as possible to have the fault checked and rectified.

Note

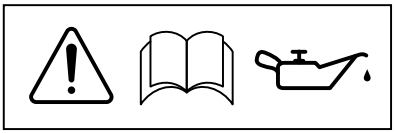
Items marked * in the following table are subject to additional labor charge, above the cost and time allowance for the basic service, which includes time to check only.

Scheduled Maintenance Table

Operation description	Odometer Reading in Miles (km) or Time Period, whichever comes first					
		First Service	Annual Service	Mileage Based Service		
	Daily	600 Mile (1,000 Km) or 6 Month Service	Year	10,000 and 30,000 Mile (16,000 and 48,000 Km) Service	20,000 Mile (32,000 Km) Service	40,000 Mile (64,000 Km) Service
Lubrication						
Engine and oil cooler - check for leaks	•	•	•	•	•	•
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	•	•	•	•	•	•
Cooling system - check coolant hoses for chafing, cracks or damage. Replace if necessary		•	•	•	•	•
Coolant - replace - every 4 years, regardless of mileage*	Every four years, regardless of mileage					
Engine						
Clutch - check operation	•	•	•	•	•	•
Clutch master cylinder - check for fluid leaks (models equipped with a hydraulic clutch only)	•					
Clutch fluid level - check	•	•	•	•	•	•
Clutch lever pivot - clean/grease		•	•	•	•	•
Clutch fluid - replace - every 2 years, regardless of mileage*	Every two years, regardless of mileage					
Valve clearances - check/adjust*					•	•
Camshaft timing - check/adjust*					•	•
Wheels and Tires						
Wheels - inspect for damage	•	•	•	•	•	•
Wheels - check for broken or damaged spokes and check spoke tightness (not alloy wheels)	•	•	•	•	•	•
Tire wear/tire damage - check	•	•	•	•	•	•
Tire pressures - check/adjust	•	•	•	•	•	•
Wheel bearings - check for wear/smooth operation					•	•

Operation description	Odometer Reading in Miles (km) or Time Period, whichever comes first					
		First Service	Annual Service	Mileage Based Service		
	Daily	600 Mile (1,000 Km) or 6 Month Service	Year	10,000 and 30,000 Mile (16,000 and 48,000 Km) Service	20,000 Mile (32,000 Km) Service	40,000 Mile (64,000 Km) Service
Steering and Suspension						
Steering - check for free operation	•	•	•	•	•	•
Front and rear suspension - check for damage/ leaks/smooth operation	•	•	•	•	•	•
Headstock bearings - check/adjust - except first service					•	•
Swinging arm spindle - lubricate					•	•
Rear suspension unit and linkage - lubricate (single rear suspension unit models only)					•	•
Fork oil - replace						•
Brakes						
Brake system - check operation	•	•	•	•	•	•
Brake pads - check wear levels*	•	•	•	•	•	•
Brake fluid levels - check	•	•	•	•	•	•
Brake fluid - replace - every 2 years, regardless of mileage*	Every two years, regardless of mileage					
Final Drive						
Final drive - check for oil leaks	•	•	•	•	•	•
Final drive oil - renew	Every two years, regardless of mileage					
Final drive oil level - check			•			
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, keyless ECM and engine ECM - check for latest calibration download using the Triumph diagnostic tool		•	•	•	•	•
Autoscan - carry out a full Autoscan using the Triumph diagnostic tool (print a customer copy)		•	•	•	•	•
Carry out all outstanding Service Bulletin and warranty work		•	•	•	•	•
Carry out road test		•	•	•	•	•
Complete the service record book and reset the service indicator (if equipped)		•	•	•	•	•
Smart key battery - renew			•	•	•	•
Center stand pivots - clean/grease	Every two years, regardless of mileage					

Engine Oil



Warning

Motorcycle operation with insufficient, deteriorated, or contaminated engine oil will cause accelerated engine wear and may result in engine or transmission seizure.

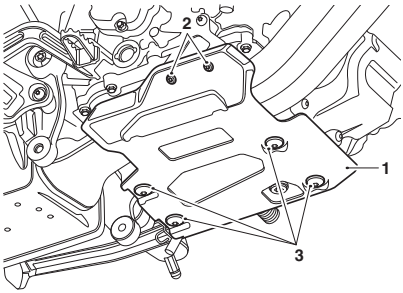
Seizure of the engine or transmission may lead to sudden loss of motorcycle control and an accident.

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

The sump guard on all motorcycle models except Tiger 1200 GT must be removed to allow access to change the engine oil and oil filter.

Tiger 1200 GT Pro and
Tiger 1200 GT Explorer Sump Guard



1. **Sump guard**
2. **Right hand side fasteners**
3. **Bottom fasteners**

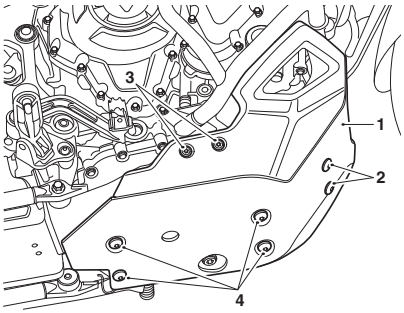
To remove the sump guard:

- ▼ Remove the two right hand side fasteners. Note the orientation of the flanged sleeve for installation.
- ▼ Remove the four bottom fasteners and remove the sump guard.

To reinstall the sump guard:

- ▼ Align the sump guard to the motorcycle and secure with the four bottom fasteners. Do not fully tighten at this stage.
- ▼ Reinstall the two right hand side fasteners and tighten to 53 lbf in (6 Nm).
- ▼ Tighten the bottom fasteners to 71 lbf in (8 Nm).

Tiger 1200 Rally Pro Sump Guard



1. **Sump guard**
2. **Front fasteners**
3. **Right hand side fasteners**
4. **Bottom fasteners**

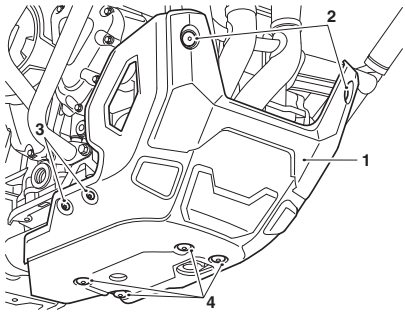
To remove the sump guard:

- ▼ Remove the two right hand side fasteners.
- ▼ Remove the two front fasteners.
- ▼ Remove the four bottom fasteners and remove the sump guard.

To reinstall the sump guard:

- ▼ Align the sump guard to the motorcycle and secure with the four bottom fasteners. Do not fully tighten at this stage.
- ▼ Reinstall the two front fasteners and tighten to 53 lbf in (6 Nm).
- ▼ Reinstall the two right hand side fasteners and tighten to 53 lbf in (6 Nm).
- ▼ Tighten the bottom fasteners to 71 lbf in (8 Nm).

Tiger 1200 Rally Explorer Sump Guard



1. **Sump guard**
2. **Front fasteners**
3. **Right hand side fasteners**
4. **Bottom fasteners**

To remove the sump guard:

- ▼ Remove the two right hand side fasteners.
- ▼ Remove the two front fasteners.
- ▼ Remove the four bottom fasteners and remove the sump guard.

To reinstall the sump guard:

- ▼ Align the sump guard to the motorcycle and secure with the four bottom fasteners. Do not fully tighten at this stage.
- ▼ Reinstall the two front fasteners and tighten to 53 lbf in (8 Nm).
- ▼ Reinstall the two right hand side fasteners and tighten to 53 lbf in (6 Nm).
- ▼ Tighten the bottom fasteners to 71 lbf in (8 Nm).

Engine Oil Level Inspection

⚠ Warning

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

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

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

⚠ Warning

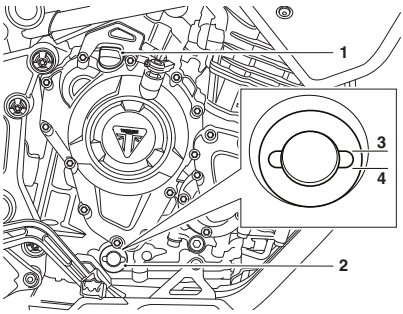
If the engine has recently been running, the exhaust components may be hot to the touch.

Contact with the hot components may cause damage to exposed skin.

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

Note

An accurate indication of the level of 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).



1. **Engine oil filler plug**
2. **Sight glass**
3. **Upper level (maximum)**
4. **Lower level (minimum)**

To inspect the engine oil level:

- ▼ Start the engine and run at idle for approximately five minutes.
- ▼ Stop the engine, then wait for at least five minutes to allow the engine oil to settle.
- ▼ Note the engine oil level visible in the sight glass.
- ▼ When correct, engine oil should be visible at a point between the upper level and the lower level on the sight glass.
- ▼ If it is necessary to top off the engine oil level, remove the engine oil filler plug and using a suitable funnel, add engine oil, a little at a time, until the level registered in the sight glass is correct.
- ▼ Once the correct level is reached, install and tighten the engine oil filler plug.

Engine Oil and Oil Filter Change

Warning

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.

Always wear suitable protective clothing and avoid skin contact with used engine oil.

Warning

The engine oil may be hot.

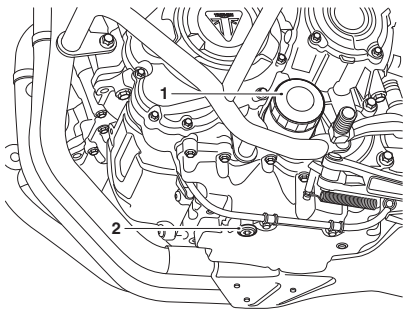
Avoid contact with the hot engine oil by wearing suitable protective clothing, gloves and eye protection.

Contact with hot engine oil may cause the skin to be scalded or burned.

The engine oil and filter must be replaced in accordance with scheduled maintenance requirements.

Note

The sump guard must be removed before starting this procedure, see page 129.



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

To change the engine oil and engine oil filter:

- 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 Triumph service tool T3880313. Dispose of the old engine oil filter in an environmentally friendly way.
- 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).

⚠ Caution

Always fill the engine with clean engine oil prior to installing the new engine oil filter.

Installing the new engine oil filter before filling the engine will create an air lock in the oil gallery and engine oil starvation.

Engine oil starvation will cause premature engine damage leading to engine failure.

- ▼ Fill the engine with a 10W/40 or 10W/50 semi or fully synthetic motorcycle engine oil that meets specification API SH (or higher) and JASO MA, such as Castrol Power 1 Racing 4T 10W-40 (fully synthetic).

⚠ Caution

A new engine oil filter must be installed each time the engine oil is replaced.

If the engine oil filter is not changed, it will create an airlock and prevent engine oil pressure from being achieved and the engine oil pressure warning light will remain on.

- ▼ Apply a thin smear of clean engine oil to the sealing ring of the new engine oil filter.
- ▼ Install the new engine oil filter and tighten to 89 lbf in (10 Nm) using Triumph service tool T3880313.
- ▼ Start the engine and allow it to idle for a minimum of 30 seconds.

⚠ Caution

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 60 seconds to allow the engine oil to circulate fully.

⚠ Caution

If the engine oil pressure is too low, the low oil pressure warning light will illuminate. If this light stays on when the engine is running, stop the engine immediately and investigate the cause.

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

- ▼ Make sure that the low engine 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 engine oil level. Adjust if necessary.

Disposal of Used Engine Oil and Oil Filters

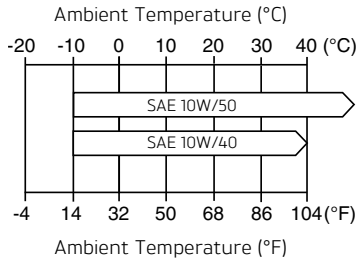
To protect the environment, do not pour oil on the ground, down sewers or drains, or into groundwater sources.

Do not place used oil filters in with general waste. If in doubt, contact your local authority.

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

Triumph's high performance fuel injected engines are designed to use 10W/40 or 10W/50 semi or fully synthetic motorcycle engine oil that meets specification API SH (or higher) and JASO MA, such as Castrol Power 1 Racing 4T 10W-40 (fully synthetic) engine oil, sold as Castrol Power RS Racing 4T 10W-40 (fully synthetic) in some countries.

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

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.

Note

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°C (-40°F).

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.

Note

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.

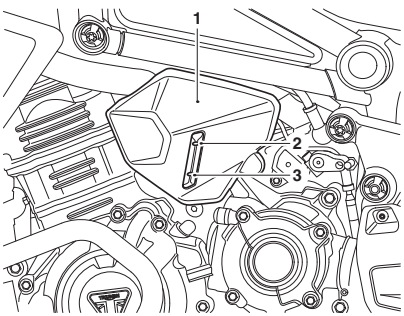
Coolant Level Inspection

The expansion tank can be viewed from the left hand side of the motorcycle. The coolant level within the expansion tank can be inspected without removing any covers.

Note

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 cover**
2. **Maximum mark**
3. **Minimum mark**

To inspect the coolant level:

- ▼ Position the motorcycle on level ground and in an upright position.
- ▼ Make sure that the engine is cold (at room or ambient temperature).
- ▼ Check the coolant level in the expansion tank. The coolant level must be between the maximum and minimum marks.
- ▼ If the coolant is below the minimum level, the coolant level must be adjusted.

Coolant Level Adjustment

⚠ Warning

Do not remove the expansion tank or radiator pressure cap when the engine is hot.

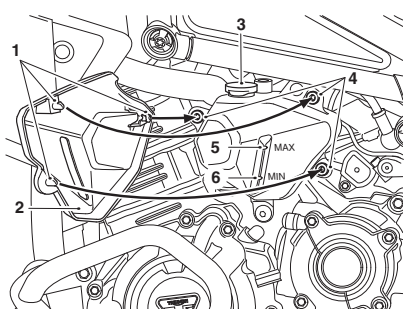
When the engine is hot, the coolant inside the radiator will be hot and also under pressure.

Contact with this hot, pressurized coolant will cause scalds and skin damage.

⚠ Caution

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.



1. **Spigots**
2. **Expansion tank cover**
3. **Expansion tank cap**
4. **Grommets**
5. **MAX mark**
6. **MIN mark**

To adjust the coolant level:

- Allow the engine to cool for a minimum of 30 minutes.
- Position the motorcycle on level ground and in an upright position.
- Grasp the coolant expansion tank cover firmly in both hands and gently pull the top edge of the panel away from the motorcycle until the spigots are away from the retaining grommets (leaving the grommets in place).
- The coolant level must be between the MAX (upper line) and MIN (lower line) marks in the expansion tank.
- Remove the coolant expansion tank cap from the coolant expansion tank.
- Add coolant mixture through the filler opening until the level reaches the MAX mark.
- Reinstall the coolant expansion tank cap.
- Position the spigots on the expansion tank cover to the grommets.
- Press firmly to secure the cover.
- Grasp the cover and make sure that it is fully retained.

Coolant Change

It is recommended that the coolant is changed by an authorized Triumph dealer in accordance with scheduled maintenance requirements.

Radiator and Hoses

⚠ Warning

The fan operates automatically when the engine is running.

Always keep hands and clothing away from the fan.

Contact with the rotating fan may cause an accident and/or personal injury.

⚠ Caution

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. Have your authorized Triumph dealer replace any defective items.

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

Use of the motorcycle with a sticking or damaged throttle control will interfere with the throttle function resulting in loss of motorcycle control and an accident.

To avoid continued use of a sticking or damaged throttle control, always have it checked by your authorized Triumph dealer.

Inspection

Check that the throttle opens smoothly, without undue force and that it closes without sticking. Have your authorized Triumph dealer check the throttle system if a problem is detected or any doubt exists.

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 there is an incorrect amount of free play, Triumph recommends that you have your authorized Triumph dealer investigate.

Clutch

The motorcycle is equipped with a hydraulically operated clutch that does not require adjustment.

Clutch Fluid Level Inspection and Adjustment

Warning

If there has been an appreciable drop in the level of the fluid in the clutch fluid reservoir, consult your authorized Triumph dealer for advice before riding.

Riding with depleted clutch fluid levels, or with a clutch fluid leak is dangerous and could potentially lead to loss of motorcycle control and an accident.

Warning

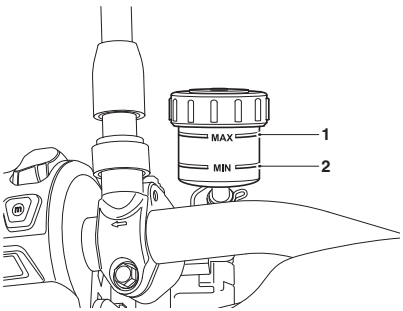
Use only DOT 4 specification clutch fluid as listed in the Specification section of this handbook.

The use of clutch fluids other than those DOT 4 fluids listed in the Specification section may reduce the efficiency of the clutch system leading to an accident.

Failure to change the clutch fluid at the interval specified in the scheduled maintenance chart may reduce clutch efficiency resulting in an accident.

Inspect the level of clutch fluid in the reservoir and change the fluid in accordance with the scheduled maintenance requirements. The clutch fluid must also be changed if it becomes, or is suspected of having become contaminated with moisture or any other contaminants.

The clutch fluid reservoir is located on the left hand side handlebar.



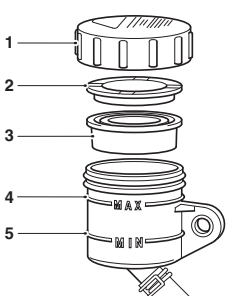
1. **Maximum (MAX) level line**
2. **Minimum (MIN) level line**

Clutch Fluid Level Inspection

To inspect the clutch fluid level:

- ▼ Check the level of clutch fluid visible in the reservoir.
- ▼ The clutch fluid level must be kept between the minimum (MIN) and maximum (MAX) level lines (reservoir held horizontal).

Clutch Fluid Level Adjustment



1. **Reservoir cap**
2. **Plastic plate**
3. **Diaphragm seal**
4. **MAX mark**
5. **MIN mark**

To adjust the clutch fluid level:

- ▼ Clean the reservoir cap before removing.
- ▼ Release the reservoir cap, plastic plate and remove the diaphragm seal.
- ▼ Fill the reservoir to the maximum (MAX) level line using new DOT 4 clutch fluid from a sealed container.
- ▼ Reinstall the reservoir cap making sure that the diaphragm seal is correctly positioned between the plastic plate and the reservoir body.

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.

Final Drive Unit

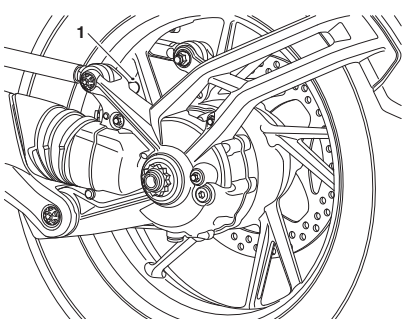
The final drive unit oil level can be checked and adjusted. Always check the final drive unit for oil leaks in accordance with the scheduled maintenance chart.

Warning

If the rear bevel box is submerged in water above the level of the breather then this may lead to water in the rear bevel box oil.

The rear bevel box oil needs to be checked after any riding which may have resulted in the rear bevel box being submerged in water.

Take the motorcycle to an authorized Triumph dealer to check and replace the rear bevel box oil.



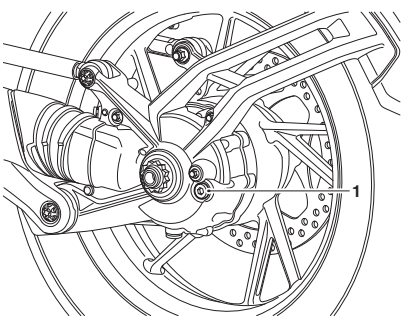
1. **Rear bevel box breather**

Final Drive Oil Level Adjustment

Warning

Under no circumstances should the final drive unit be disassembled.

Failure to observe this warning could lead to a malfunction of the final drive unit causing lock-up of the rear wheel leading to loss of motorcycle control and an accident.



1. **Filler level plug**

To check and adjust the oil level in the final drive unit:

- Remove the filler level plug.
- Fill the final drive unit with fully synthetic 75W/90 hypoid oil that meets specification API Service Level GL5, such as Castrol SAF-XO fully synthetic hypoid oil, until the level of oil inside the final drive unit is level with the bottom of the filler.
- Reinstall the filler level plug and tighten to 18 lbf ft (25 Nm).

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.

Replacing individual pads will reduce braking efficiency and may cause an accident.

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

Warning

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

Riding with worn brake pads may reduce braking efficiency, leading to loss of motorcycle control and an accident.

Triumph recommend a period of careful breaking-in for new brake discs and pads that, if followed correctly, will optimize their performance and longevity.

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

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

Brake Wear Inspection

Warning

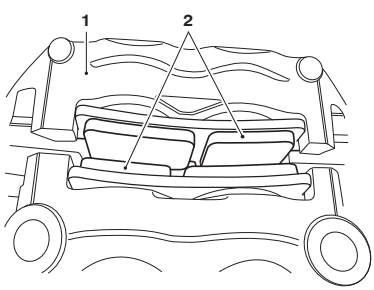
Only install approved brake pads.

Always have replacement brake pads supplied and installed by an authorized Triumph dealer.

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

If the lining thickness of any pad is less than, 1.0 mm (0.04 in) (front) or 1.5 mm (0.06 in) (rear), replace all the pads on the wheel.

Front brake pads shown as example.



1. **Brake caliper**
2. **Brake pads**

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.

It is dangerous to operate the motorcycle under such conditions and your authorized Triumph dealer must rectify the fault before riding.

Riding with defective brakes may lead to loss of motorcycle control and an accident.

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.

Disc Brake Fluid

Warning

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

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

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

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

Do not mix different brands or grades of brake fluid.

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

Always rectify any faults before riding.

Failure to observe and act upon any of these items may cause a dangerous riding condition leading to loss of control and an accident.

Warning

If the ABS is not functioning, the brake system will continue to function as a non-ABS equipped brake system.

In this situation, braking too hard will cause the wheels to lock resulting in loss of control and an accident.

Reduce speed and do not continue to ride for longer than is necessary with the indicator light illuminated. Contact an authorized Triumph dealer as soon as possible to have the fault checked and rectified.

Inspect the level of brake fluid in both reservoirs and change the brake fluid in accordance with scheduled maintenance requirements. Use only DOT 4 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.

Note

A special tool is required to bleed the ABS braking system. Contact your authorized Triumph dealer when the brake fluid needs replacing or the hydraulic system requires maintenance.

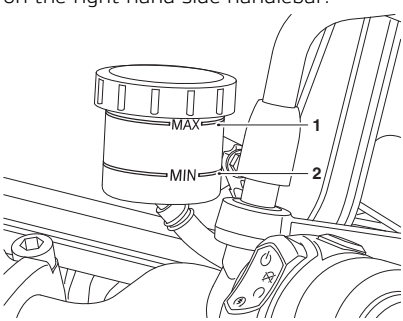
Front Brake Fluid Level Inspection and Adjustment

Warning

If there has been an appreciable drop in the level of the fluid in either fluid reservoir, consult your authorized Triumph dealer for advice before riding.

Riding with depleted brake fluid levels, or with a brake fluid leak is dangerous and will cause reduced brake performance potentially leading to loss of motorcycle control and an accident.

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



1. **Maximum (MAX) level line**
2. **Minimum (MIN) level line**

To inspect the front brake fluid level:

- Check the level of brake fluid visible in the reservoir.
- The brake fluid level must be kept between the minimum (MIN) and maximum (MAX) level lines (reservoir held horizontal).

To adjust the front brake fluid level:

- Clean the reservoir cap before removing to prevent dust or dirt entering the reservoir.

- Remove the reservoir cap and remove the diaphragm seal.
- Fill the reservoir to the maximum (MAX) level line using new DOT 4 brake fluid from a sealed container.
- Re-install the reservoir cap making sure that the diaphragm seal is correctly installed.

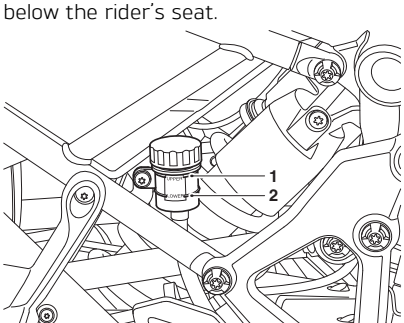
Rear Brake Fluid Level Inspection and Adjustment

⚠ Warning

If there has been an appreciable drop in the level of the fluid in either fluid reservoir, consult your authorized Triumph dealer for advice before riding.

Riding with depleted brake fluid levels, or with a brake fluid leak is dangerous and will cause reduced brake performance potentially leading to loss of motorcycle control and an accident.

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



1. **Maximum (UPPER) level line**
2. **Minimum (LOWER) level line**

To inspect the rear brake fluid level:

- Check the level of brake fluid visible in the reservoir.
- The brake fluid level must be kept between the minimum (LOWER) and maximum (UPPER) level lines (reservoir held horizontal).

To adjust the rear brake fluid level:

- Clean the reservoir cap before removing to prevent dust or dirt entering the reservoir.
- Remove the reservoir cap and remove the diaphragm seal.
- Fill the reservoir to the maximum (UPPER) level line using new DOT 4 brake fluid from a sealed container.
- Re-install the reservoir cap making sure that the diaphragm seal is correctly installed.

Rear Brake Pedal Adjustment

⚠ Warning

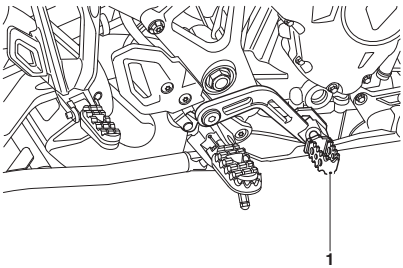
The rear brake pedal may require pressure to be applied to adjust it.

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

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

Tiger 1200 Rally Pro and Tiger 1200 Rally Explorer Only

The rear brake pedal is height adjustable.



1. **Rear brake pedal**

To adjust the rear brake pedal height:

▼ Lift the rear brake pedal up and rotate it 180°. This will adjust the height by +/-0.39 in (10 mm).

Brake Light

⚠ Warning

Riding the motorcycle with defective brake lights is illegal and dangerous.

An accident causing injury to the rider and other road users may result from use of a motorcycle with defective brake lights.

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, have your authorized Triumph dealer investigate and rectify the fault.

Steering/Wheel Bearings

⚠ Caution

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.

Do not exert extreme force against each wheel or rock each wheel vigorously as this may cause the motorcycle to become unstable and cause injury by falling from its support.

Make sure that the position of the support block will not cause damage to the motorcycle.

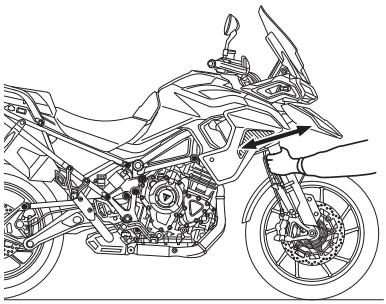
Steering Inspection

⚠ Warning

Riding the motorcycle with incorrectly adjusted or defective steering head bearings is dangerous and may cause loss of motorcycle control and an accident.

Note

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



Inspecting the Steering for Free Play

To inspect the steering:

- Lubricate and inspect the condition of the steering (steering head) bearings in accordance with scheduled maintenance requirements.
- 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 forwards and backwards.
- If any free play can be detected in the steering head bearings, ask your authorized Triumph dealer to inspect and rectify any faults before riding.
- Remove the support and place the motorcycle on the side stand.

Wheel Bearings Inspection

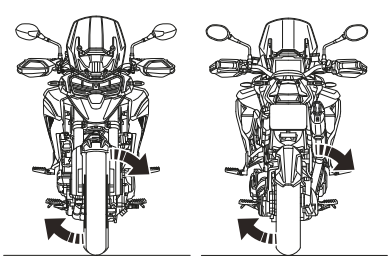
⚠ Warning

Riding with worn or damaged front or rear wheel bearings is dangerous and may cause impaired handling and instability leading to an accident.

If in doubt, have the motorcycle inspected by an authorized Triumph dealer before riding.

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, have your authorized Triumph dealer inspect the wheel bearings.

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



Inspecting the Wheel Bearings

To inspect the wheel bearings:

- Position the motorcycle on level ground, in an upright position.
- Raise the front wheel above 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, ask your authorized Triumph dealer to inspect and rectify any faults before riding.
- Reposition the lifting device and repeat the procedure for the rear wheel.
- Remove the support and place the motorcycle on the side stand.

Suspension

Warning

Riding the motorcycle with defective or damaged suspension is dangerous and may lead to loss of control and an accident.

Warning

Never attempt to dismantle any part of the suspension units

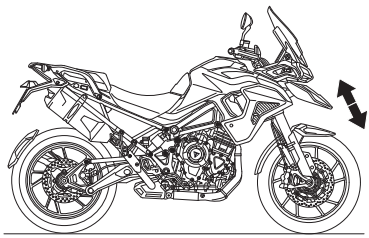
All suspension units contain pressurized oil.

Skin and eye damage can result from contact with the pressurized oil.

All models are equipped with semi active suspension.

For more information on the semi active suspension settings and adjustment, see page 79.

Front Fork Inspection



Inspecting the Front Forks

To inspect the front forks:

- Position the motorcycle on level ground.
- While holding the handlebars and applying the front brake, pump the forks up and down several times.
- If roughness or excessive stiffness is detected, consult your authorized Triumph dealer.
- Examine each fork for any sign of damage, scratching of the slider surface, or for oil leaks.
- If any damage or leakage is found, consult an authorized Triumph dealer.

Bank Angle Indicators

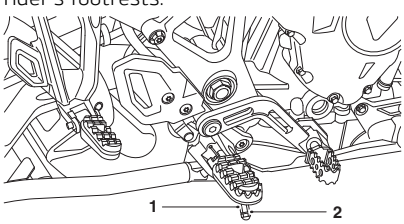
⚠ Warning

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 cause instability, loss of motorcycle control and an accident.

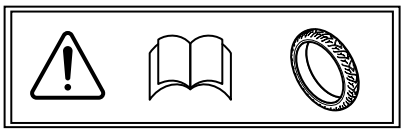
Bank angle indicators are located on the rider's footrests.



1. **Bank angle indicator**
2. **Maximum wear limit**

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. Regularly check the bank angle indicators for wear.

Tires



cboa

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 result in loss of motorcycle control and an accident.

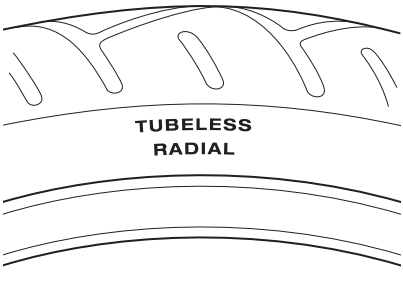
Warning

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 that may result in a loss of motorcycle control and an accident.

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, loss of motorcycle control and an accident.

This model is equipped with tubeless tires, valves and wheel rims. Use only tires marked TUBELESS and tubeless valves on rims marked SUITABLE FOR TUBELESS TYRES.



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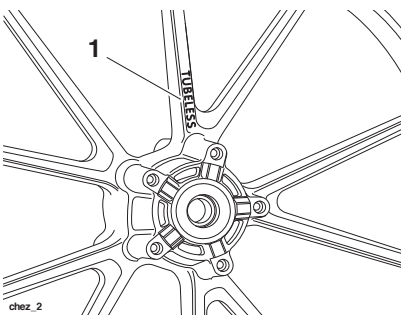
Typical Tire Marking - Tubeless Tire



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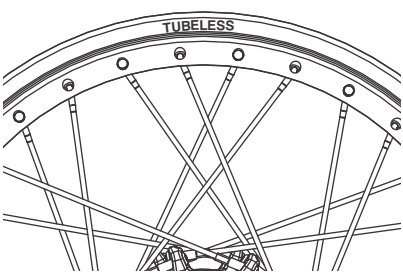
Typical Tire Marking - Cast Wheel



Typical Tire Marking - Spoked Wheel

Tire Inflation Pressures

Warning

Incorrect tire inflation will cause abnormal tread wear and instability problems that may lead to loss of control and an accident.

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 cause loss of control leading to an accident.

Warning

Tire pressures which have been reduced for off-road riding will impair on-road stability.

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

Operation of the motorcycle with incorrect tire pressures may cause loss of motorcycle control and an accident.

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)

Caution

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 an authorized Triumph dealer. It is important to inform them that tire pressure sensors are installed on the wheels before they remove the tires.

Caution

Do not use anti puncture fluid or any other item likely to obstruct air flow to the TPMS sensor's 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 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.

Minimum Recommended Tread Depth

Warning

Riding with excessively worn tires is hazardous and will adversely affect traction, stability and handling which may lead to loss of control and an accident.

When tubeless tires, used without a tube, 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. Riding with punctured or damaged tires will adversely affect motorcycle stability and handling which may lead to loss of control or an accident.

Check the rims for dents or deformation. Riding with damaged or defective wheels or tires is dangerous and may lead to loss of control and an accident.

Always consult your authorized Triumph dealer for tire replacement, or for a safety inspection of the tires.

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 ensure 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. Always have tires mounted and balanced by your authorized Triumph dealer who has the necessary training and skills to ensure safe, effective mounting.

When replacement tires are required, consult your authorized Triumph dealer who will arrange for the tires to be selected, in a correct combination, from the approved list and mounted according to the tire manufacturer's instructions.

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 given. Do not mix tires from different manufacturers or mix different specification tires from the same manufacturers as this may result in loss of motorcycle control and an accident.

⚠ 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 that may result in a loss of motorcycle control and an accident.

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, loss of motorcycle control and an accident.

⚠ Warning

If a tire sustains a puncture, the tire must be replaced.

Failure to replace a punctured tire or operation with a repaired tire can lead to instability, loss of motorcycle control or an accident.

⚠ Warning

If tire damage is suspected, such as after striking the curb, ask your authorized Triumph dealer to inspect the tire both internally and externally.

Tire damage may not always be visible from the outside.

Operation of the motorcycle with damaged tires could lead to loss of control and an accident.

⚠ Warning

Use of a motorcycle with incorrectly seated tires, incorrectly adjusted tire pressures, or when not accustomed to its handling characteristics may lead to loss of motorcycle control and an accident.

⚠ 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, potentially leading to loss of motorcycle control and an accident in conditions where the ABS would normally function.

⚠ 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 leading to loss of control and an accident.

When wheel balancing is required, such as after tire replacement, see your authorized Triumph dealer.

Only use self-adhesive weights. Clip on weights may damage the wheel or tire resulting in tire deflation, loss of motorcycle control and an accident.

⚠ 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 lead to instability, loss of motorcycle control and an accident.

⚠ Warning

Use the recommended tires ONLY in the combinations given. Do not mix tires from different manufacturers or mix different specification tires from the same manufacturers as this may result in loss of motorcycle control and an accident.

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.

Battery

This motorcycle contains a $LiFePO_4$ lithium-ion battery.

⚠ Warning

The lithium-ion battery contains harmful materials.

Always keep children and pets away from the lithium-ion battery at all times.

⚠ Warning

Never attempt to open, disassemble, or pierce a lithium-ion battery.

Never strike, throw, or subject the battery to severe physical shock.

These actions may cause a lithium-ion battery to vent gas at a very high temperature.

A lithium-ion battery will vent high temperature gas until it has exhausted all of the internal components, causing irreparable damage to the motorcycle and or serious personal injury or death.

⚠ Warning

Do not immerse the battery in water. Do not use or store the battery near sources of fire or heat.

Exposure to water, heat or fire will cause irreparable damage to the battery and or serious personal injury or death

⚠ Warning

If the battery is in use or being recharged and it gives off an odor, generates heat, becomes deformed, discolored or appears abnormal in any way, immediately switch off the motorcycle or disconnect the battery charger and discontinue use.

If safe to do so move the motorcycle or battery outside to a safe location.

Continued use may result in irreparable damage to the battery, motorcycle and or serious personal injury or death.

Battery Removal

⚠ Warning

Make sure the motorcycle is stabilized and adequately supported.

A correctly supported motorcycle will help prevent it from falling.

An unstable motorcycle may fall, causing injury to the operator or damage to the motorcycle.

⚠ Warning

Before disconnecting the battery or removing a fuse, note and record the rider mode settings.

Once the battery has been reconnected or the fuse reinstalled then the rider mode settings should be reset as noted.

Failure to reset the rider mode settings and the motorcycle subsequently being ridden may cause loss of motorcycle control and an accident.

⚠ Warning

Make sure the positive and negative terminals do not come into contact with each other.

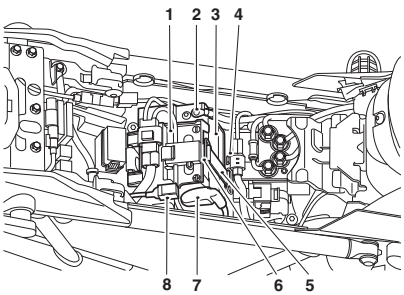
Do not reverse the positive (+) or negative (-) terminals.

Shorting the positive and negative terminals, may cause the battery to vent gas at a very high temperature.

Venting high temperature gas will cause irreparable damage to the motorcycle and or serious personal injury or death.

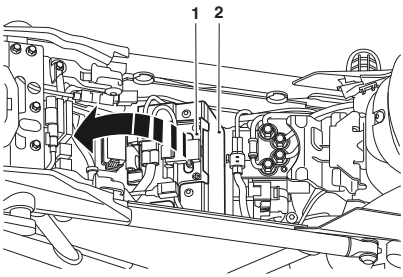
To remove the battery:

- ▼ Turn the ignition to the OFF position and wait at least 2 minutes for the engine ECM to complete its power down sequence.
- ▼ Remove the passenger seat, see page 90.
- ▼ Remove the rider seat, see page 91.



1. **Battery tray cover**
2. **Negative (black) battery lead**
3. **Battery**
4. **Battery strap holder hook**
5. **Battery strap**
6. **Battery strap hook**
7. **Positive (red) battery lead**
8. **Rear suspension unit lead**

- ▼ Disconnect the negative (black) battery lead.
- ▼ Disconnect the positive (red) battery lead and position away from the terminal.
- ▼ Disconnect the rear suspension unit lead.
- ▼ Release the battery strap from the hook and attach to the battery strap holder hook.



1. **Battery tray cover**
2. **Battery**

- ▼ The battery tray cover is hinged for easy access. Carefully lift and tilt the battery tray cover towards the rear of the motorcycle to gain access to the battery. Take care not to stretch, pull or trap any leads.
- ▼ Remove the battery.

Battery Charging

⚠ Caution

Over charging and severe discharging will damage the lithium-ion battery.

Do not allow the voltage at rest to fall below 12.4 Volts.

Always check that the charging voltage is limited to the voltage shown in the Maximum Charge Rate table.

⚠ Caution

Only charge the battery using a Triumph recommended battery charger specifically designed for lithium batteries.

Always refer to the instructions supplied with the battery charger.

Do not use a lead-acid battery charger, as this may seriously damage or destroy the battery.

Do not use a battery charger that has an automatic 'de-sulfation' or 'conditioning' mode as this will seriously damage or destroy the battery.

For help with selecting a battery charger, checking the battery voltage or battery charging, contact your local authorized Triumph dealer.

Lithium-ion batteries are pre-charged to 75% of capacity prior to shipping by rail, road or sea and 30% capacity for air freight.

As the lithium technology has a lower self-discharge rate than lead acid battery types, this lithium-ion battery can be stored for longer before recharging is required. However, as with all batteries, the cranking performance will be affected when ambient temperatures fall below -5°.

For extended periods of storage (beyond two weeks) the battery should be removed from the motorcycle and kept charged and monitored using an approved battery charger. This prevents the battery from becoming fully discharged.

To charge the lithium-ion battery, do the following:

- Always remove the battery from the motorcycle before charging separately, see page 155.
- 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 12.4 Volts, additional charging is necessary.

The lithium-ion battery can be quickly charged as long as the charge voltage remains below 14.7 Volts. A recommended charging current within the range of 0.5A – 8A (where A is the capacity of the battery).

A battery charger will limit the voltage between 14.0-14.7 Volts when charging. The battery cannot be fully charged if the charging voltage is less than 14.0 Volts. The battery can be damaged if the charging voltage above 14.7 Volts.

Maximum Charge Rates	
Battery Label	**Charge Rate**
CCA (-10°C) : 165A	User Charging: max - 14.7 Volts
8.0Ah (20HR)	User Charging: max - 8 Amp

Battery Maintenance

The lithium-ion battery is a sealed battery.

To help maintain the lithium-ion battery, do the following:

- Disconnect the battery cables, -negative (black lead) first, if the motorcycle is in storage or used infrequently. Or use the recommended lithium-ion battery charger to maintain the battery.
- If the battery is left for a period of time, check the voltage. If it is lower than 12.4 Volts, recharge the battery as described on page 156.
- Clean the battery using a clean, dry cloth.
- Make sure the battery terminals are clean and securely fastened.
- Regularly check the battery terminals for any residue. Make sure they are clean and free from moisture as this will ensure that the transfer of energy from the battery is consistent.

Battery Storage

To store a lithium-ion battery correctly, do the following:

- Always store the battery at approximately 100% state of charge.
- Always make sure that the charge state of the battery is monitored continuously if left for long periods of time, so it does not fully discharge.
- Always store the battery in a clean, dry and ventilated area.
- Always store the battery away from heat and fire.
- Never allow the battery to come into contact with any corrosive substance.

Battery Disposal

A lithium-ion battery, no matter how well maintained will reach a point where it needs to be replaced. If so, fully discharge the battery before disposing of the battery in the correct procedure.

⚠ Warning

Lithium-ion batteries are regarded as Class 9 hazardous products.

DO NOT incinerate a lithium-ion battery.

DO NOT crush a lithium-ion battery.

DO NOT break open a lithium-ion battery.

DO NOT dispose of a lithium-ion battery in usual household waste.

DO NOT bury a lithium-ion battery in the ground.

DO NOT send a damaged lithium-ion battery by post or carrier.

Failure to do so may lead to a serious environmental issue, personal injury or death.

⚠ Warning

Lithium-ion batteries are regarded as Class 9 hazardous products and must be treated as such.

If a lithium-ion battery becomes damaged, including a bulging or broken casing and stripped out terminals, you MUST take it to a Hazardous Waste collection point.

Always check with your local authority if a lithium-ion battery can be put into the general waste collection as they are regarded as hazardous waste.

⚠ Warning

Never attempt to open, disassemble, or pierce a lithium-ion battery.

Never strike, throw, or subject the battery to severe physical shock.

These actions may cause a lithium-ion battery to vent gas at a very high temperature.

A lithium-ion battery will vent high temperature gas until it has exhausted all of the internal components, causing irreparable damage to the motorcycle and or serious personal injury or death.

Battery Installation

⚠ Warning

Make sure the motorcycle is stabilized and adequately supported.

A correctly supported motorcycle will help prevent it from falling.

An unstable motorcycle may fall, causing injury to the operator or damage to the motorcycle.

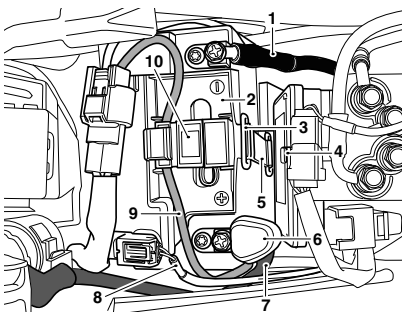
⚠ Warning

Make sure the positive and negative terminals do not come into contact with each other.

Do not reverse the positive (+) or negative (-) terminals.

Shorting the positive and negative terminals, may cause the battery to vent gas at a very high temperature.

Venting high temperature gas will cause irreparable damage to the motorcycle and or serious personal injury or death.



1. **Negative (black) battery lead (shaded black)**
2. **Battery tray cover**
3. **Battery strap hook**
4. **Battery strap holder hook**
5. **Battery strap**
6. **Protective cap (folded back to show fastener)**
7. **Starter solenoid (black) lead (shaded dark gray)**
8. **Rear suspension unit lead**
9. **Positive (red) battery lead (shaded light gray)**
10. **40 Amp fuse holder**

To install the battery:

- Install the battery into the battery case.
- Reinstall the battery tray cover to its original position, taking care not to stretch, pull or trap any leads.
- Detach the battery strap from its hook on the ABS hose retainer and attach it to its hook on the battery tray cover.
- Note that the starter motor solenoid cable is connected to the battery positive cable.
- Reconnect the battery, positive (red) lead to the top surface of the positive terminal. Tighten the terminal to 39.8 lbf in (4.5 Nm).
- Apply a light coat of grease to the terminal to prevent corrosion.
- Cover the positive terminal with the protective cap.
- Reconnect the battery, negative (black) lead to the top surface of the negative terminal. Tighten the fastener to 39.8 lbf in (4.5 Nm).
- Apply a light coat of grease to the terminal to prevent corrosion.
- Make sure the 40 Amp fuse holder is secured to the battery tray cover.
- Reconnect the rear suspension unit lead.
- Reinstall the rider seat, see page 91.
- Re-install the passenger seat, see page 90.

Fuse Boxes

⚠ Warning

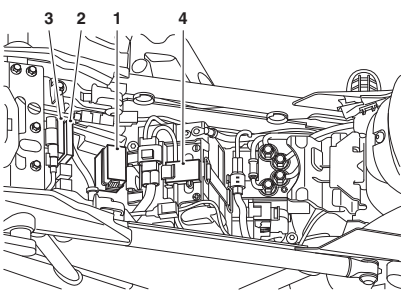
Always replace blown fuses with new ones of the correct rating (as specified on the fuse box cover).

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, loss of motorcycle control and an accident.

A blown fuse is indicated when all of the systems protected by that fuse become inoperative. When checking for a blown fuse, use the tables to establish which fuse has blown. The fuse identification numbers listed in the tables correspond with those printed on the fuse box cover.

There are four fuse boxes that are located under the rider's seat.

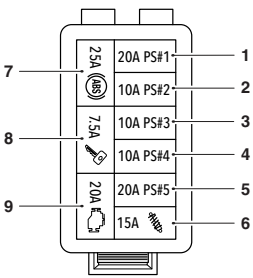


1. **Fuse box 1**
2. **Fuse box 2**
3. **Fuse box 3**
4. **Main fuse box**

The main fuse is located in the main fuse box. In the case of a blown fuse, this must only be replaced with a 40 Amp fuse.

Fuse Box Identification

Fuse Box 1



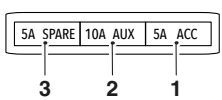
Fuse Box 1

Position	Circuits Protected	Rating (Amps)
1	Chassis ECM, Cooling Fan Right, Horn, Fog Lights, License Plate Light, Rear Light	20
2	Chassis ECM, Brake Light, Instrument Wake, Front Turn Signals, Heated Grips	10
3	Chassis ECM, Heated Seats, Rear Turn Signals, USB Charger	10
4	Chassis ECM, Accessory Socket Pillion	10

5	Chassis ECM, Cooling Fan Left, Starter Motor Solenoid, Fuel Pump	20
6	Suspension ECM	15
7	Anti-lock Braking System (ABS)	25
8	Ignition	7.5
9	Engine ECM	20

Fuse box 1 also contains spare 10A and 25A fuses clipped to the inside of the fuse box lid.

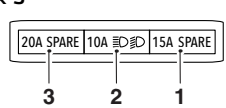
Fuse Box 2



Fuse Box 2

Position	Circuits Protected	Rating (Amps)
1	Accessories	5
2	Auxiliary	10
3	Spare	5

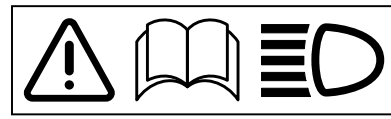
Fuse Box 3



Fuse Box 3

Position	Circuits Protected	Rating (Amps)
1	Spare	15
2	Headlight	10
3	Spare	20

Headlight



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 causing an accident.

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 result in loss of control and an accident.

⚠ Caution

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

Covering the headlight lens during operation with items of clothing, luggage, adhesive tape, devices intended to alter or adjust the headlight beam or non genuine headlight lens covers will cause the headlight lens to overheat and distort, causing irreparable damage to the headlight assembly.

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

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

⚠ Caution

If a fault occurs with the headlight unit, then a message will be shown in the instrument display and the headlight will only be available in the dipped beam mode.

Contact an authorized Triumph dealer as soon as possible to have the fault checked and rectified.

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.

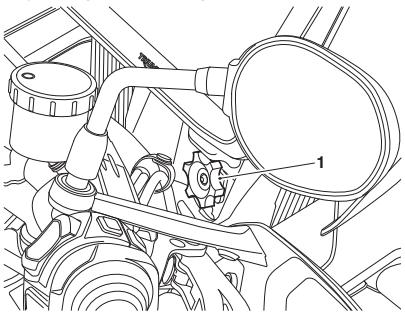
Bend Lighting (if equipped)

Bend lighting provides additional LED lighting for left and right turns when riding the motorcycle. It compensates for the bank angle of the motorcycle when cornering in dip beam mode.

The bend lights are switched on and off automatically as the motorcycle leans through corners. The left hand and right hand bend light comprises of four separate lights which switch on and increase in brightness depending on the lean angle of the motorcycle. When the motorcycle is stationary, no bend lights are on.

Headlight Adjustment

The vertical beams of the left hand and right hand headlights can only be adjusted together. Independent adjustment is not possible. Check and correct the tire pressures prior to adjusting the headlight.



1. Headlight adjuster

To vertically adjust the headlight:

- ▼ Switch the ignition on. The engine does not need to be running.
- ▼ Switch the headlight dipped beam on.
- ▼ Turn the adjuster clockwise to move the headlight upwards. Turn the adjuster counter-clockwise to move the headlight downwards.
- ▼ Recheck the headlight beam settings.
- ▼ Switch the headlights off when the beam settings are satisfactorily set.

Headlight Replacement

The headlight units are sealed, maintenance free LED units. The headlight units must be replaced in the event of the failure of the headlight.

Brake/Tail Light

The 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.

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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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 then scratch painted or polished surfaces, if the same sponge or cleaning cloths are used.

Where to be Careful

⚠ Caution

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.

⚠ Caution

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
- Oil filler cap
- Rear bevel box breather (if equipped)
- Rear of headlights
- Seats
- Suspension seals and bearings
- Under the fuel tank
- Wheel bearings.

Washing

To wash the motorcycle, do the following:

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

After Washing

⚠ Warning

Never wax or lubricate the brake discs.

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

Waxed or lubricated brake discs may cause loss of braking power and an accident.

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.

Matt Paintwork Care

Matt paintwork requires no greater care than that already recommended for gloss paintwork.

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

Gloss Paintwork Care

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

Aluminum Items - not Lacquered or Painted

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

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

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

Warranty claims due to inadequate maintenance will not be allowed.

Chrome and Stainless Steel Care

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

Washing

Wash as previously described.

Drying

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

Protecting

⚠ Caution

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

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

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

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

Black Chrome Care

Items such as headlight bowls and mirrors on some models must be correctly cleaned to preserve their appearance. Please contact your dealer if you are unsure which components on your motorcycle are black chrome parts. Maintain the appearance of black chrome items by rubbing a small amount of light oil into the surface.

Exhaust System Care

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

Note

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

⚠ Caution

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

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

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

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

Seat Care

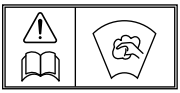
⚠ Caution

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 the motorcycle is in motion as releasing the handlebars may cause loss of motorcycle control and an accident.

Operation of the motorcycle with a damaged or scratched windshield will reduce the rider's forward vision. Any such reduction in forward vision is dangerous and may lead to loss of motorcycle control and an accident.

⚠ Caution

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

⚠ Caution

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

Never allow these products to contact 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

It is 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.

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.

Turn the ignition switch off. Do not smoke.

Make sure the area is well ventilated and free from any source of flame or sparks; this includes any appliance with a pilot light.

- Remove the spark plug from each cylinder and put several drops (0.17 fl oz (5 ml)) 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 132).
- Check and if necessary correct the tire pressures.

- 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 a host of 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.
- Make sure the cooling system is filled with a 50% mixture of coolant (noting that HD4X Hybrid OAT coolant, as supplied by Triumph, is premixed and requires no dilution) and distilled water solution (see page 134).
- 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) approximately once every two weeks (see page 155).
- 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 159).
- If the motorcycle has been stored for more than four months, change the engine oil (see page 132).
- 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.
- 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

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 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 together with the 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 completing the form found on the Triumph web site at www.triumphmotorcycles.com.

All new Triumph motorcycles are covered by a 36 (thirty-six) month unlimited mileage warranty, commencing from the date of first registration or the date of sale if the motorcycle remains unregistered.

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 and will become the property of TRIUMPH MOTORCYCLES AMERICA LIMITED.

TRIUMPH MOTORCYCLES AMERICA LIMITED 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 MOTORCYCLES AMERICA LIMITED 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

1. The motorcycle must not have been used for competition, misused, inadequately or incorrectly serviced or maintained.
2. The motorcycle must not have been subject to any modification, repair or replacement other than as authorized by TRIUMPH MOTORCYCLES AMERICA LIMITED.
3. 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. If the motorcycle is placed in to storage, 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) approximately once every two weeks.

The warranty does not cover:

- The cost of transportation of the motorcycle to or from the authorized Triumph dealer, or expenses incurred while the motorcycle is off the road for warranty repairs.
- Defects caused by the use of parts and accessories not authorized by TRIUMPH MOTORCYCLES AMERICA LIMITED
- Defects caused by faulty adjustment, or repairs and alterations performed by a NON-AUTHORIZED Triumph dealer
- The cost of removal and replacement of parts and accessories, unless supplied as original equipment, or recommended by TRIUMPH MOTORCYCLES AMERICA LIMITED.
- 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 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.

Should a warranty claim become necessary, 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 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 AMERICA LIMITED 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

Warning

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 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:

1. Removal or tampering with the mufflers, baffles or header pipes or any other component which conducts exhaust gases.
2. Removal of or puncturing of any part of the air intake system.
3. Failure to carry out maintenance as prescribed in the owner's manual.
4. 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:

1. Failures which arise through misuse, alterations or accident damage.
2. 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.
3. 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.
4. 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:

1. Failures which arise through misuse, alterations, accident damage or failure to carry out maintenance as described in the owner's manual.
2. The replacement of any parts required in the maintenance of the emission control system.
3. 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.
4. 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 system. 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.

Manufacturers 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.

Owners 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, 100 Hartsfield Centre Parkway, Suite 200, Atlanta, GA 30354, or the California Air Resources Board at 9528 Telstar Avenue, El Monte, California 91731.

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
- Rollover/pressure control valves
- 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.

Room 302, Tower 11,

1250, Xinzha Road, Jingan District, Shanghai, PRC

200041

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

Triumph Motorrad Deutschland GmbH

Tel: +49 6003 829090

Fax: +49 6003 8290927

India

Triumph Motorcycles (India) Private Limited

Tel: 1 800 3000 0051 (toll free)

Email:
customer.care@triumphmotorcycles.in

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/Eire

Triumph Motorcycles Ltd

Tel: +44 1455 45 5012

Fax: +44 1455 45 2211

USA

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.

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.

Maximum Payload	
All Models	489 lb (222 kg)

Engine	All Models
Type	In-line 3 cylinder
Displacement	70.8 cu in (1,160 cc)
Bore x Stroke	3.54 x 2.39 in (90 x 60.7 mm)
Compression Ratio	13.2:1
Cylinder Numbering	Left to Right
Cylinder Sequence Number	1 at left
Firing Order	1-3-2
Starting System	Electric Starter

Lubrication	All Models
Lubrication	Pressure Lubrication (wet sump)
Engine Oil Capacities	
Dry Fill	1.06 gallons (4 liters)
Oil/Filter Change	1.02 gallons (3.85 liters)
Oil Change Only	0.96 gallons (3.65 liters)

SPECIFICATIONS

Cooling	Tiger 1200 GT, Tiger 1200 GT Pro, Tiger 1200 Rally Pro	Tiger 1200 GT Explorer, Tiger 1200 Rally Explorer
Coolant Type	Triumph D2053 OAT coolant (premixed)	Triumph D2053 OAT coolant (premixed)
Water/Anti-freeze ratio	50/50 (premixed as supplied by Triumph)	50/50 (premixed as supplied by Triumph)
Coolant Capacity	0.71 gallons (2.7 liters)	0.79 gallons (3.0 liters)
Thermostat Opens (nominal)	160°F (71°C) (nominal)	160°F (71°C) (nominal)

Fuel System	All Models
Type	Electronic Fuel Injection
Injectors	Solenoid Operated
Fuel Pump	Submerged Electric
Fuel Pressure (nominal)	51 lb/in² (3.5 bar)

Fuel	Tiger 1200 GT, Tiger 1200 GT Pro, Tiger 1200 Rally Pro	Tiger 1200 GT Explorer, Tiger 1200 Rally Explorer
Type	95 RON unleaded	95 RON unleaded
Tank Capacity	5.28 gallons (20 liters)	7.93 gallons (30 liters)

Ignition	All Models
Ignition System	Digital Inductive
Electronic Rev Limiter (r/min)	9,500 r/min
Spark Plug	NGK LMAR9E-J
Spark Plug Gap	0.03 in (0.7 mm)
Gap Tolerance	+0.0/-0.004 in (+0.0/-0.10 mm)

Transmission	All Models
Transmission Type	6 Speed, Constant Mesh
Clutch Type	Wet, Multi-Plate
Final Drive Ratio	2.767:1
Gear Ratios:	
1st	2.625:1 (16/42)
2nd	1.955:1 (22/43)
3rd	1.636:1 (22/36)
4th	1.417:1 (24/34)
5th	1.192:1 (26/31)
6th	1.032:1 (31/32)

Approved Tires
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.

Approved Mud and Snow/Dual Purpose Tires
A list of approved 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 1200 GT, Tiger 1200 GT Pro, Tiger 1200 GT Explorer	Tiger 1200 Rally Pro, Tiger 1200 Rally Explorer
Tire Pressures (Cold):		
Front	32 lb/in² (2.2 bar)	34 lb/in² (2.3 bar)
Rear	42 lb/in² (2.9 bar)	42 lb/in² (2.9 bar)
Tire Sizes:		
Front Size	120/70 R19	90/90 -21
Rear Size	150/70 R18	150/70 R18

SPECIFICATIONS

Electrical Equipment	All Models
Battery Type	HJTZ14S-FPZ
Battery Rating	12 Volt, 8 Ah
Alternator	41A
Headlight	LED
Tail/Brake Light	LED
Parking Light	LED
Fog Lights (if equipped)	LED
Turn Signal Lights	LED

Frame	Tiger 1200 GT, Tiger 1200 GT Pro, Tiger 1200 GT Explorer	Tiger 1200 Rally Pro, Tiger 1200 Rally Explorer
Rake	24°	23.7°
Trail	4.72 in (120 mm)	4.37 in (111 mm)

Tightening Torques	All Models
Oil Filter	89 lbf in (10 Nm)
Oil Drain Plug	18 lbf ft (25 Nm)
Spark Plug	9 lbf ft (12 Nm)
Rear Wheel Nut	136 lbf ft (185 Nm)

Fluids and Lubrication	All Models
Engine Oil	Semi or fully synthetic 10W/40 or 10W/50 motorcycle engine oil which meets specification API SH (or higher) and JASO MA, such as Castrol Power 1 Racing 4T 10W-40 (fully synthetic)
Brake and Clutch Fluid	DOT 4 Brake and Clutch Fluid
Coolant	Triumph HD4X Hybrid OAT coolant
Bearings and Pivots	Grease to NLGI 2 specification
Final Drive Unit	Castrol SAF-XO (fully synthetic hypoid oil)

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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:

1. This device may not cause harmful interference.
2. 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.

APPROVAL INFORMATION

Smart Keyless System Approval

The Smart Keyless system complies with part 15 of the Federal Communications Commission (FCC) rules. Operation is subject to the following conditions:

1. This device may not cause harmful interference.
2. This device must accept interference received, including interference that may cause undesired operation.

USA FCC ID: AQ0008

Model No. A-0794G01

Smart Keyless System Approval

The Smart Keyless system complies with IC-RSS-210 Industry Canada. Operation is subject to the following conditions:

1. This device may not cause harmful interference.
2. This device must accept interference received, including interference that may cause undesired operation.

Canada IC: 10176A-008

Model No. A-0794G01

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the Equivalent Isotropically Radiated Power (EIRP) is not more than that necessary for successful communication.