



Accessory Fitting Instructions

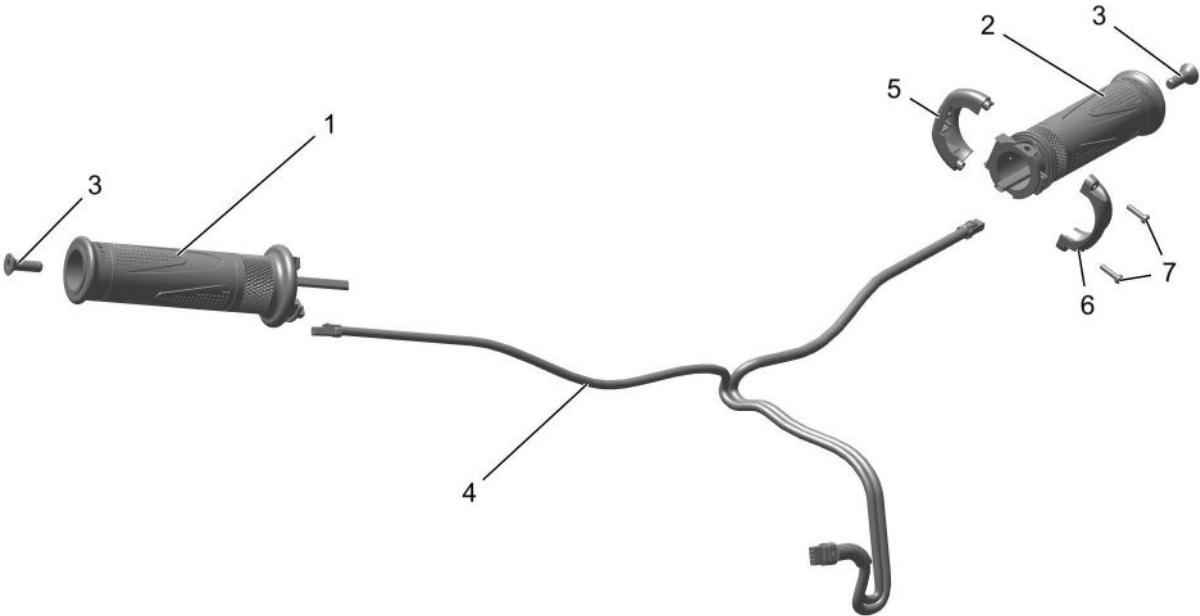
Thank you for choosing this Triumph genuine accessory kit. This accessory kit is the product of Triumph's use of proven engineering, exhaustive testing, and continuous striving for superior reliability, safety and performance.

Completely read all of these instructions before commencing the installation of the accessory kit in order to become thoroughly familiar with the kit's features and the installation process.

These instructions should be considered a permanent part of your accessory kit, and should remain with it even if your accessory equipped motorcycle is subsequently sold.

Heated Grips Kit	
Kit Number	Models
A9638844	Tiger Sport 800

Parts supplied



1. Heated grip, right side	1 off	6. Switch housing, front	1 off
2. Heated grip, left side	1 off	7. Switch housing, rear	1 off
3. Fastener, M6 x 0.63 in (16 mm)	2 off	8. Screw, torx head self tapping	2 off
4. Fastener, M4 x 0.39 in (10 mm)	2 off	9. Subharness	1 off
5. Washer, M4	2 off	10. Rubber strap	1 off

⚠ WARNING

Fit only genuine Triumph accessories to those models approved by Triumph as listed in the associated Triumph fitting instructions.

The accessory kits covered in this instruction are designed for use on specific models of Triumph motorcycle. The accessory kits and the models applicable are listed at the start of the instruction. They should never be fitted to any other Triumph model or to any other manufacturer's motorcycle.

Fitting an accessory kit to a Triumph model not listed, or to any other manufacturer's motorcycle, will affect the performance, stability and handling of the motorcycle.

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

⚠ WARNING

Always have Triumph approved parts, accessories and conversions fitted by a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

The fitment of parts, accessories and conversions by a person without the specialist knowledge and technical understanding of motorcycles may affect the handling, stability or other aspects of the motorcycle's operation.

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

⚠ WARNING

A torque wrench of known accurate calibration must be used when fitting this accessory kit.

Failure to tighten any of the fasteners to the correct torque specification may affect motorcycle performance, handling and stability.

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

⚠ WARNING

Make sure the motorcycle is stabilized and adequately supported.

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

A correctly supported motorcycle will help prevent it from falling.

An unstable motorcycle may fall resulting in motorcycle damage, serious injury or death.

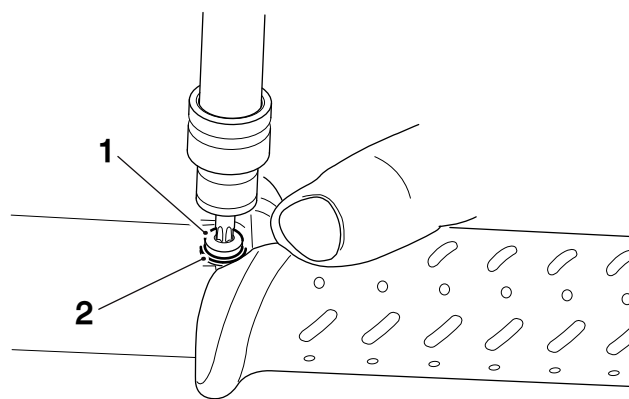
NOTICE

Triumph offers a broad range of approved genuine accessories for your motorcycle.

We cannot therefore cover all possible equipment variations in these instructions. For removal and installation of Triumph Genuine Accessories, always refer to the instructions supplied with the respective accessory kit.

To obtain additional copies of any Triumph accessory instructions, visit www.triumphinstructions.com or contact your authorized Triumph dealer.

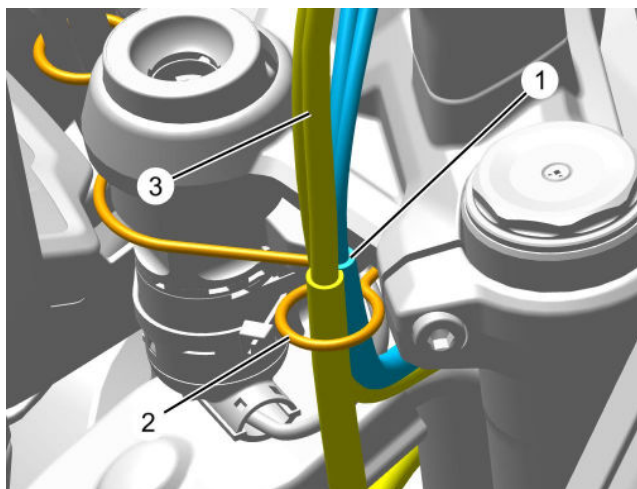
1. Remove the seat, as described in the Service Manual.
2. Disconnect the battery, as described in the Service Manual.
3. Remove the left side and right side bar end finishers, as described in the Service Manual. Retain the bar end finishers and discard the fasteners.
4. Release the two fasteners that attach the left side handlebar grip to the handlebar and slide the handlebar grip off the handlebar. Discard the fasteners and washers.
5. Retain the handlebar grip for reuse if the motorcycle is to be returned to its original condition.



1. Fastener (one of two shown)
2. Washer (one of two shown)

6. Remove the twist grip from the right side of the handlebars, as described in the Service Manual. Retain the twist grip for reuse if the motorcycle is to be returned to its original condition.
7. Collect the heated grip subharness from the kit.

8. Thread the heated grip subharness leads through the wire guide in front of the top yoke from the underside. Do not connect the subharness to the main harness at this stage.

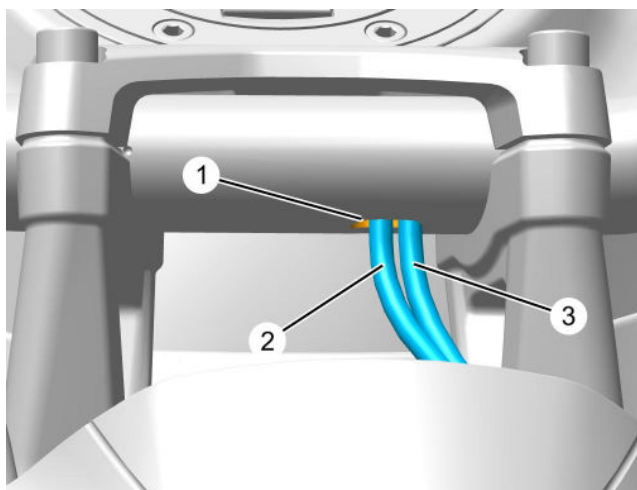


1. Heated grip subharness leads
2. Wire guide
3. Switch housing harness

NOTICE

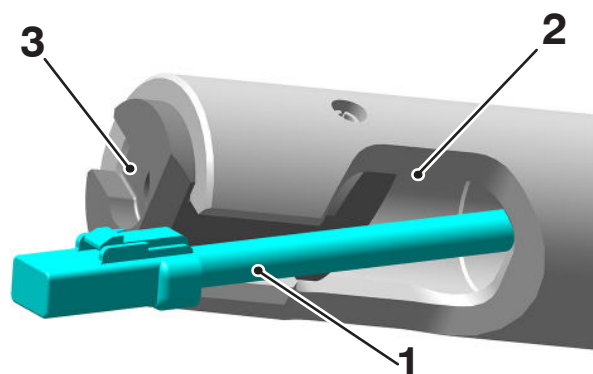
The subharness lead with the 2 pin connector is routed to the right (throttle) side of the handlebar. The subharness lead with the 3 pin connector is routed to the left (clutch) side of the handlebar.

9. Thread the heated grip switch harnesses into the large slot in the underside of the handlebar, as shown below.



1. Handlebar slot
2. Heated grip switch harness - 2 pin connector
3. Heated grip switch harness - 3 pin connector

10. Feed the subharness lead with 3 pin connector towards the left side of the handlebar and out through the slot in the handlebar end weight mounting.
11. Feed the subharness lead with the 2 pin connector towards the right side of the handlebar and out through the slot in the handlebar end weight mounting.



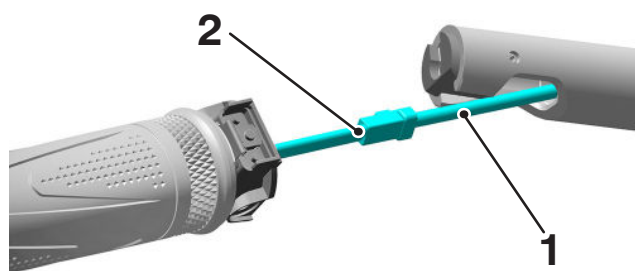
1. Subharness
2. Slot, handlebar
3. Handlebar insert

NOTICE

A wiring harness that becomes trapped or kinked during installation, or motorcycle operation, may result in wiring harness damage and electrical malfunctions.

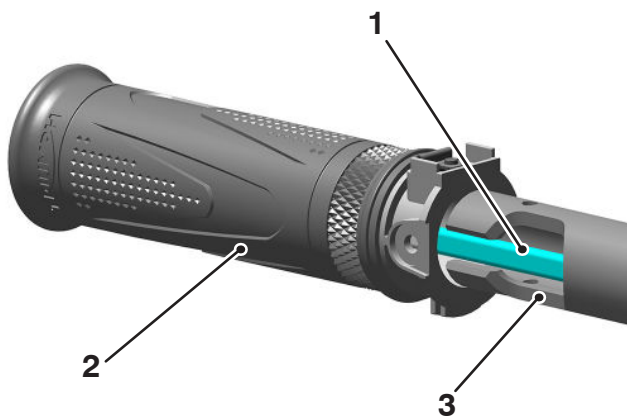
Left Side

12. Connect the heated grip harness connector to the left side heated grip electrical connector.



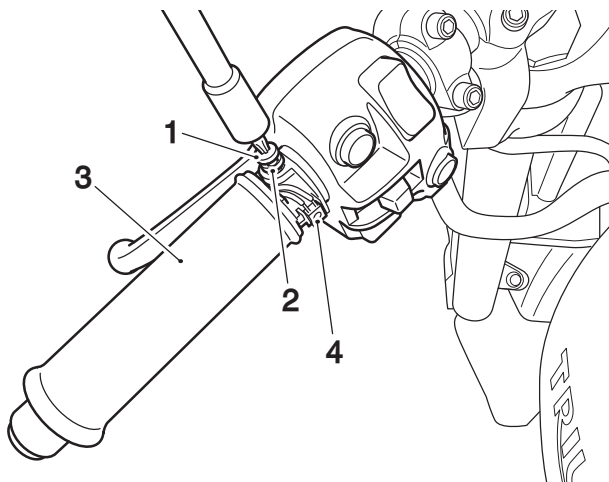
1. Heated grip harness connector
2. Heated grip connector

13. When you mount the grip onto the handlebar, carefully pull the harness back through the handlebar. Make sure that the harness/heated grip connection is positioned into the handlebar and the harness remains in the slot in the bar end.



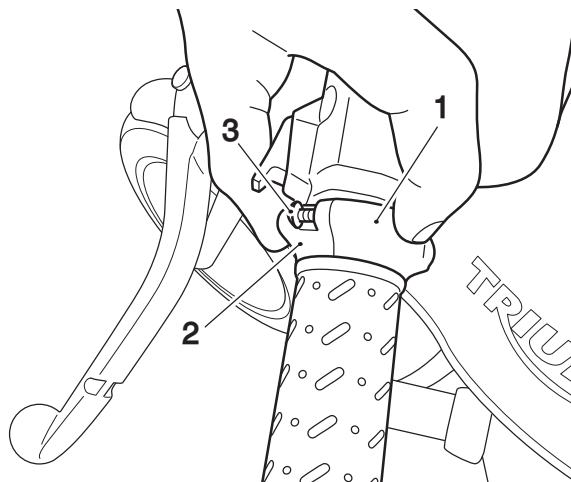
- 1. Harness
- 2. Heated grip
- 3. Slot, handlebar

14. Make sure that the grip is in the orientation shown below with the switch contacts facing the rider. Secure the new grip with the M4 x 0.39 in (10 mm) fasteners and washers from the kit and tighten to 27 lbf in (3 Nm).



- 1. Fasteners, M4 x 0.39 in (10 mm) (one of two shown)
- 2. Washer (one of two shown)
- 3. Heated grip
- 4. Switch contacts

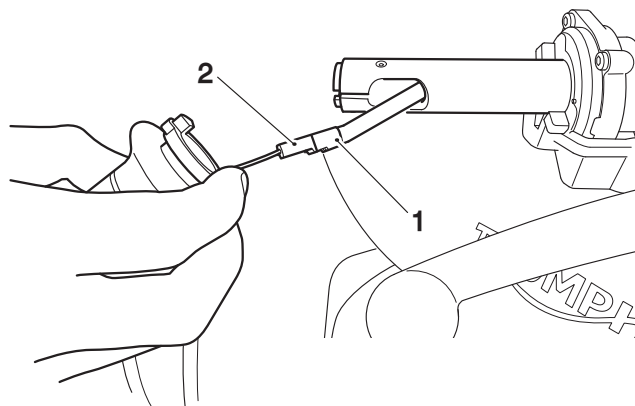
15. Mount the upper and lower switch housings onto the heated grip and secure with the Torx head self-tapping screws provided in the kit. Tighten the screws to 9 lbf in (1 Nm).



- 1. Upper switch housing
- 2. Lower switch housing
- 3. Screw, Torx head self-tapping (one of two shown)

Right Side

16. Connect the heated grip harness connector to the right side heated grip (twist grip) connector.



- 1. Heated grip harness connector
- 2. Heated twist grip connector

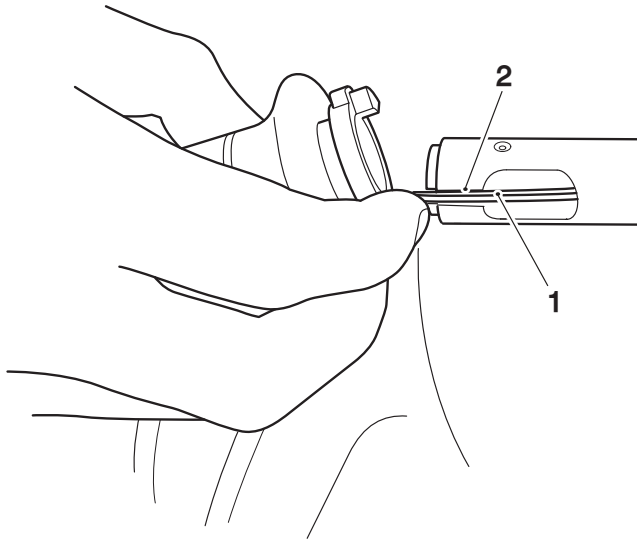
NOTICE

A wiring harness that becomes trapped or kinked during installation, or motorcycle operation, may result in wiring harness damage and electrical malfunctions.

NOTICE

The method of mounting the right side heated grip (twist grip) to the twist grip position sensor and handlebars is the same as that for the original twist grip, as described in the Service Manual.

17. When you mount the grip onto the handlebar, carefully pull the harness back through the handlebar. Make sure that the harness/heated grip connection is positioned into the handlebar.



1. Harness
2. Slot, handlebar

18. Make sure that there is enough slack in the wires for the twist grip to rotate and the wires not to become trapped.

⚠ WARNING

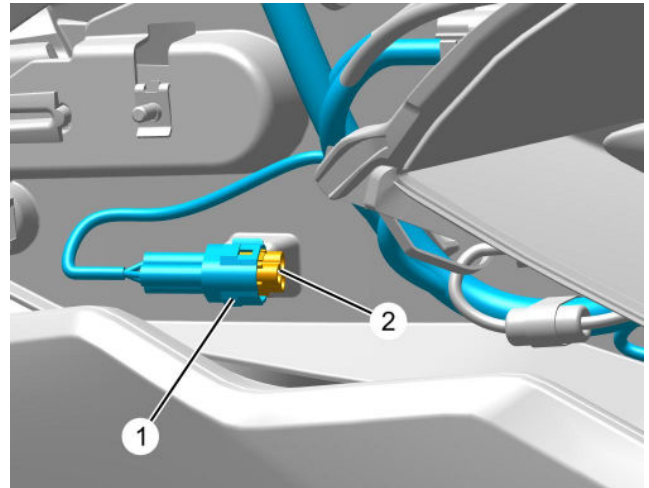
Check the operation of the right hand heated grip (twist grip).

Make sure that the rearward and forward movement of the twist grip is smooth, without tightness, and will return to the throttle closed position when released.

A tight or stuck twist grip may lead to loss of motorcycle control which could result in serious injury or death.

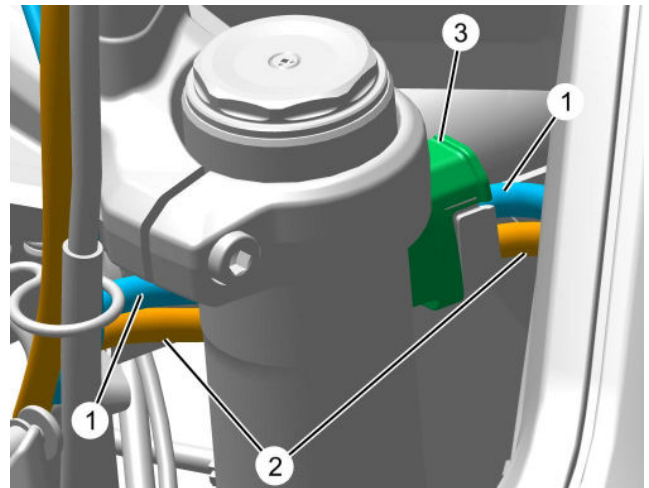
19. Reinstall the twist grip position sensor and tighten the fasteners to 22.1 lbf in (2.5 Nm).
20. Carefully check that the twist grip rotates smoothly through its full range of movement, and is not restricted in any way. If any tightness or resistance is felt, check and rectify the cause before riding the motorcycle.

21. Make sure that the throttle is fully closed, and the electrical harness inside the twist grip has adequate slack to allow correct throttle operation.
22. Remove the upper fairing panel as described in the Service Manual. Retain all fasteners for reuse.
23. Unclip the main wiring harness connector from the bodywork support molding and remove the blanking plug. Retain the blanking plug if the motorcycle is to be returned to its original condition.



1. Main wiring harness connector
2. Blanking plug

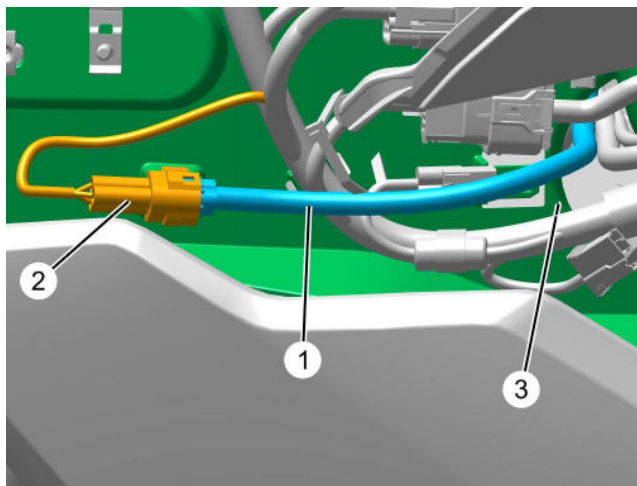
24. Following the routing of the left side switch housing harness, route the heated grip subharness through the steering head cover.



1. Heated grip subharness
2. Left side switch housing harness
3. Harness cover

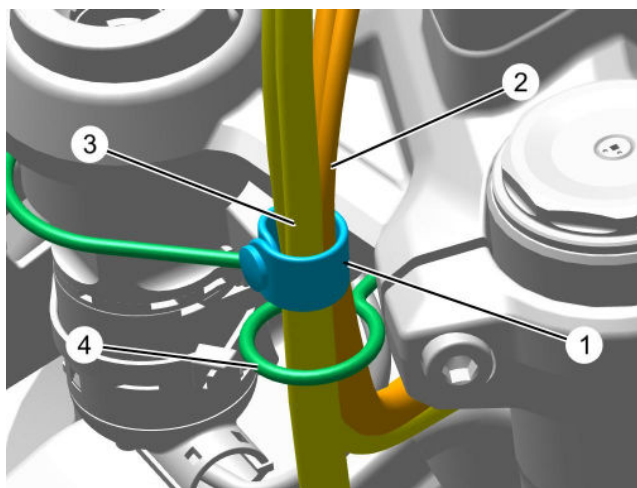
25. Route the heated grip subharness into the upper fairing infill and connect to the main wiring harness.

26. Clip the main wiring harness connector back into the upper fairing infill.



1. Heated grip subharness
2. Main wiring harness connector
3. Upper fairing infill

27. Collect the rubber strap from the kit and secure the heated grip subharness to the switch housing harness above the wire guide.



1. Rubber strap
2. Heated grip subharness
3. Left side switch housing harness
4. Wire guide

28. Reinstall the upper fairing panel with the original fasteners, as described in the Service Manual.

⚠ WARNING

Move the handlebars to the left and right full lock checking that the cables and harness do not bind. A cable or harness that binds will restrict the steering and may lead to loss of motorcycle control which could result in serious injury or death.

NOTICE

A wiring harness that becomes trapped or kinked during installation, or motorcycle operation, may result in wiring harness damage and electrical malfunctions.

29. Collect the M6 x 0.63 in (16 mm) fasteners from the kit and reinstall the bar end finishers to both sides, as described in the Service Manual. Tighten the fasteners to 44 lbf in (5 Nm).
30. Reconnect the battery, as described in the Service Manual.
31. Reinstall the seat, as described in the Service Manual.

⚠ DANGER

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

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

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

NOTICE

During the initial engine start up phase the engine control module will run a self check of the heated grip.

1. Start the engine and allow to idle to avoid discharging the battery.
2. Check the temperature of the heated grip increases.

Operation

The heated grips work when the ignition is switched on. However, it is recommended that they are only used when the engine is running to avoid draining the battery.

The heated grips have three operating modes, HIGH, MEDIUM and LOW. Press the heated grip button to cycle through the operating modes. The status of each mode will be shown on the display screen as a heated grip symbol in different colors, as described below:

- Press once - HIGH: RED symbol with 3 dots.
- Press Twice - MEDIUM ORANGE symbol with 2 dots.
- Press Three times - LOW YELLOW symbol with 1 dot.

To switch OFF the heated grips, press and release the button until a GREY heated grip symbol is shown in the display screen. After three seconds, the heated grips symbol will disappear from the display screen. The heated grips are also switched off when the ignition is switched off.

For maximum benefit from cold conditions, use the heated grips in the HIGH status initially and when the grips have warmed up, change the status to LOW.

Automatic Shutdown

If heated grips are installed and are on with the engine not running, over a period of time, the battery voltage may drop below 11.8 Volts and 'LoBatt' is then shown in the display screen for three seconds.

If the heated grips are on and 'LoBatt' is shown, then the heated grips are automatically switched off to prevent further discharge of the battery. It is not possible to resume heated grip operation until the engine has been running and the battery voltage has increased above 11.8 Volts.

In the event of a short circuit issue the heated grips are automatically switched off. The heated grips can be switched back on but if the short circuit issue persists, the heated grips will continue to automatically switch off. In this instance the short circuit issue must be investigated and rectified by an authorized Triumph dealer.

WARNING

After fitting the accessory kit the motorcycle will exhibit new handling characteristics.

Operate the motorcycle in a safe area free from traffic to gain familiarity with any new characteristics.

Operation of the motorcycle when not familiar with any new handling characteristics may lead to loss of motorcycle control which could result in serious injury or death.

WARNING

If, after fitting this accessory kit, you have any doubt about the performance of any aspect of the motorcycle, contact a competent person with the specialist knowledge and technical understanding of motorcycles, such as an authorized Triumph dealer.

Riding a motorcycle when there is any doubt as to any aspect of the performance of the motorcycle may lead to loss of motorcycle control which could result in serious injury or death.

WARNING

Never ride an accessory-equipped motorcycle at speeds above 80 mph (130 km/h).

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

The presence of accessories 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 which could result in serious injury or death.

WARNING

High-speed operation should only 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.

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

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

NOTICE

The motorcycle must not be operated above the legal road speed limit except in closed-course conditions.