

## Accessory Fitting Instructions

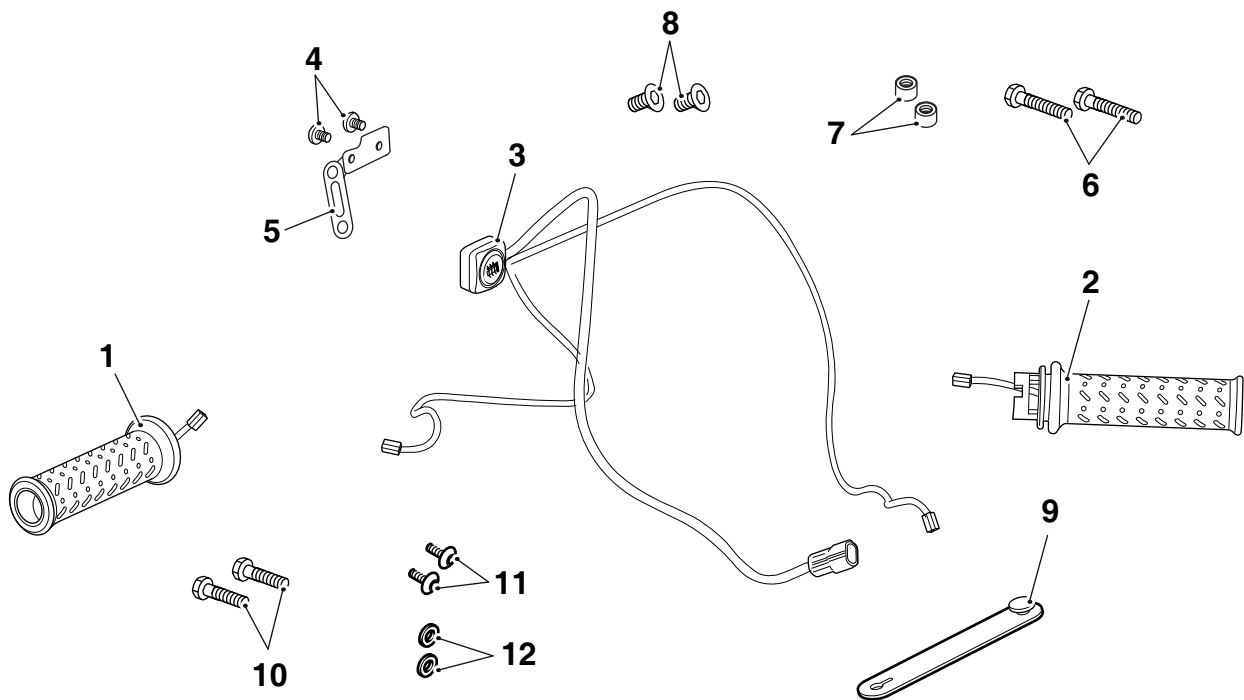
Heated Grip Kit	
Kit number	Models Affected
A9638191	Street Triple S, Street Triple S 660cc, Street Triple R from VIN 982752 to VIN BF0949

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.

### Parts supplied



1.	Heated grip, left hand	1 off	7.	Spacer	2 off
2.	Heated grip, right hand	1 off	8.	Screw, M6 x 20 mm (encapsulated)	2 off
3.	Switch harness, heated grips	1 off	9.	Rubber strap	1 off
4.	Screw, M4 x 5 mm	2 off	10.	Bolt, M6 x 28 mm (encapsulated)	2 off
5.	Bracket, switch	1 off	11.	Screw, pan head self-tapping	2 off
6.	Bolt, M6 x 35 mm	2 off	12.	Washer	2 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. This may affect the rider's ability to control the motorcycle and could result in an accident causing severe injuries or death.



### Warning

Always have Triumph approved parts, accessories and conversions fitted by a trained technician of an authorised Triumph dealer. The fitment of parts, accessories and conversions by a technician who is not of an authorised Triumph dealer may affect the handling, stability or other aspects of the motorcycle's operation which may result in loss of motorcycle control and an accident.



### Warning

Always make sure that the newly installed wiring does not chafe against other parts of the motorcycle such that it may be rubbed through and cause an electrical problem. In addition, always make sure that the newly installed wiring will not restrict steering movement. Both conditions are hazardous and could give rise to a dangerous riding condition resulting in a fire, loss of motorcycle control and an accident.



### Warning

Make sure the motorcycle is stabilised 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, causing injury to the operator or damage to the motorcycle.



### Warning

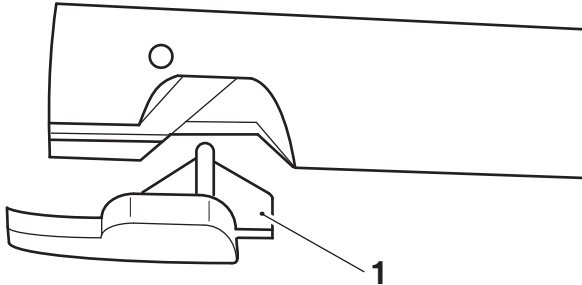
A torque wrench of known accurate calibration must be used when fitting this accessory kit. Failure to tighten any of the fasteners to the correct torque specification may affect motorcycle performance, handling and stability. This may result in loss of motorcycle control and an accident.

#### Note:

- **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](http://www.triumphinstructions.com) or contact your authorised Triumph dealer.**

1. Remove the seat, as described in the Service Manual.
2. Disconnect the battery, negative (black) lead first.
3. Remove the fuel tank, as described in the Service Manual.
4. Remove the left hand and right hand bar end finishers, as described in the Service Manual, retain the bar end finishers for reuse. Discard the fixings.
5. Release the two fixings securing the left hand handlebar grip to the handlebar and slide the handlebar grip off the handlebar. Retain the grip for reuse if the motorcycle is to be returned to its original condition. Discard the fixings and washers.

- If fitted, remove the plastic insert from the end of the left hand side of the handlebars, as shown. Retain the plastic insert for reuse if the motorcycle is to be returned to its original condition.



**1. Plastic insert**

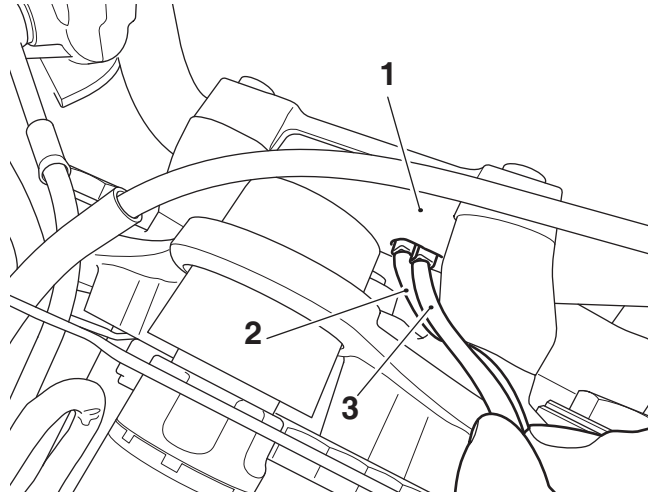
- Remove the twist grip from the right hand side of the handlebars, as described in the Service Manual. Retain the twist grip for reuse if the motorcycle is to be returned to its original condition.

## Installation

**Note:**

- The longer heated grip switch cable is routed to the right hand (twist grip) side of the handlebar.
- The shorter heated grip switch cable is routed to the left hand (clutch) side of the handlebar.

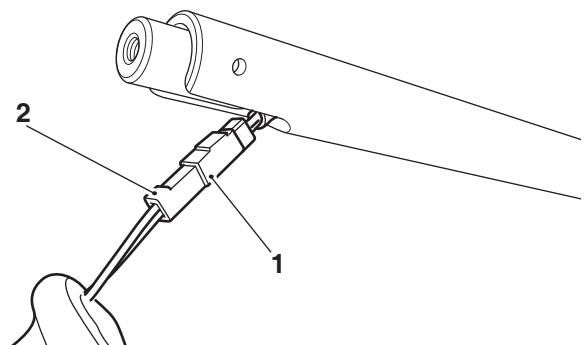
- Thread the heated grip switch cables into the large hole at the centre of the handlebar, on the underside as shown below, and out through the holes in the end weight mounting.



- Handlebar
- Heated grip switch cable - longer
- Heated grip switch cable - shorter

### Left Hand Side

- Connect the electrical connector of the shorter cable to the left hand heated grip electrical connector.

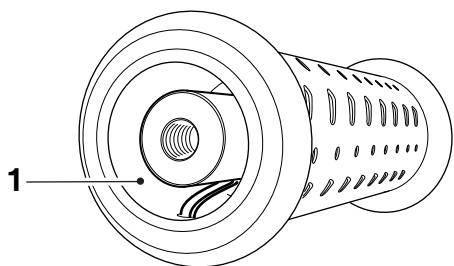


- Electrical connector
- Heated grip connector

**! Caution**

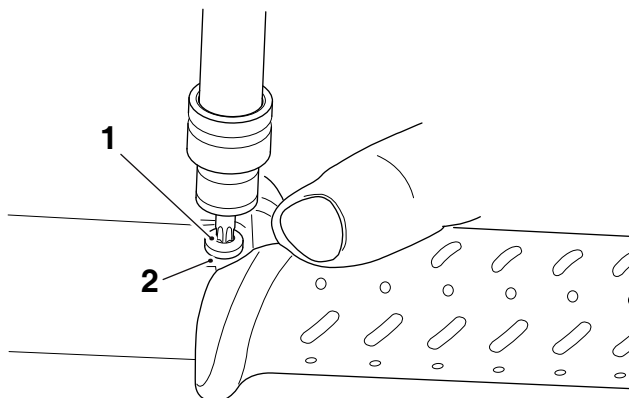
A wiring harness which becomes trapped or kinked during installation, or general motorcycle operation, may result in wiring harness damage and electrical malfunctions.

3. Carefully fit the left hand heated grip with the cables facing downwards as shown below, while pulling the harness back through the hole at the centre of the handlebar.



**1. Harness position**

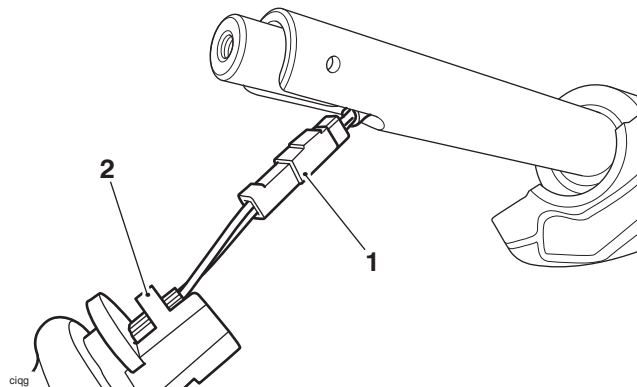
4. Secure the new grip with the pan head self-tapping screws and washers provided in the kit. Tighten the fixings to **2.5 Nm**.



1. Screw, pan head self-tapping (one of two shown)
2. Washer (one of two shown)

**Right Hand Side**

5. Connect the electrical connector of the longer cable to the right hand heated grip (twist grip) electrical connector.



1. Electrical connector
2. Heated twist grip

**! Caution**

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

**Note:**

6. **The method of fitting the right hand 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.**
7. When fitting the twist grip onto the handlebar, carefully pull the lead back through the hole in the underside of the handlebar making sure the heated grip connection is positioned into the handlebar.
8. Make sure there is enough slack in the cables for the twist grip to rotate and the cables not to become trapped.

**! Warning**

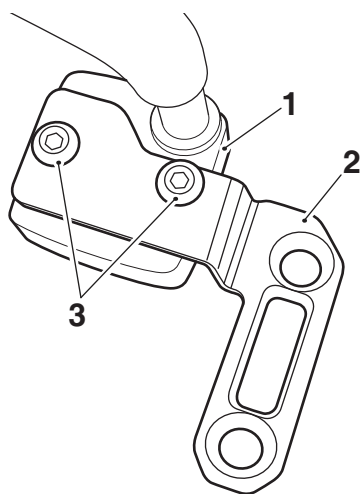
Check the operation of the right hand heated grip (twist grip). Make sure that the rearward and forward movement of the grip is smooth, without tightness and will return to the throttle closed position when released.

A tight or stuck twist grip can lead to loss of motorcycle control and an accident.

9. 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.
10. Refit the twist grip position sensor housing and tighten the fixings to **2.5 Nm**.
11. Make sure the throttle is fully closed, and the electrical cable inside the twist grip has adequate slack to allow correct throttle operation.

### Switch Fitment

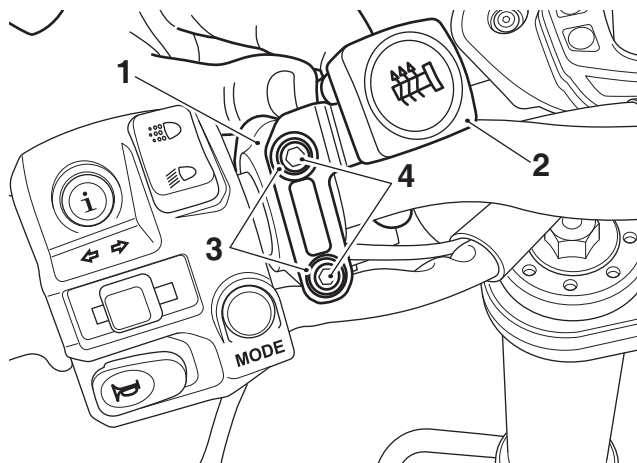
1. Align the switch to the bracket, secure with the two M4 x 5 mm screws from the kit and tighten to **3 Nm**.



1. Switch
2. Switch bracket
3. Screw, M4 x 5 mm

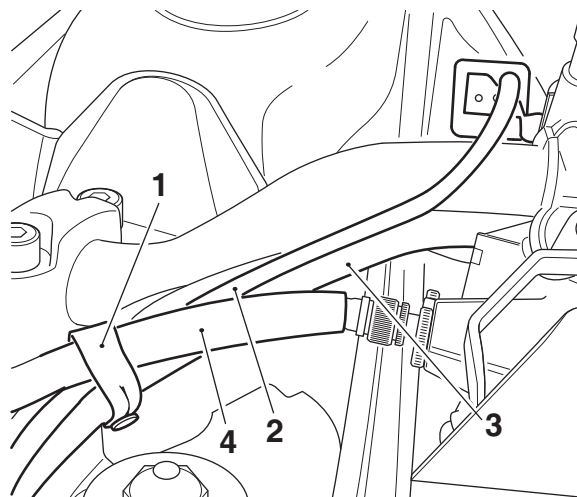
2. Support the clutch lever assembly and remove the two fixings securing the clutch lever clamp. Retain the fixings if the motorcycle is to be returned to its original condition.

3. Fit the two spacers and heated grip switch bracket to the clutch lever clamp, secure using the M6 x 35 mm bolts as shown below. Do not fully tighten the bolts at this stage.



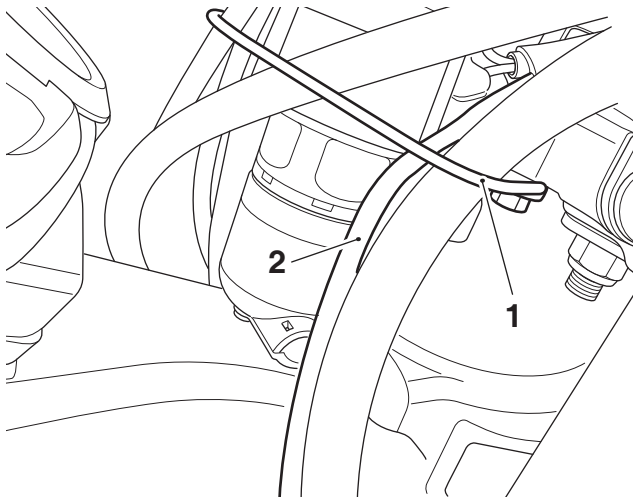
1. Clutch lever clamp
2. Switch
3. Spacers
4. Bolt, M6 x 35 mm

4. Align the split line of the clutch lever clamp with the alignment mark on the upper surface of the handlebar, then tighten the clamp bolts, upper first, to **12 Nm**, as described in the Service Manual.
5. Following the route of the left hand switch cube harness, secure the heated grip switch harness to the clutch cable with the new rubber strap provided, as shown below.




1. Rubber strap
2. Heated grip switch harness
3. Left hand switch cube harness
4. Clutch cable

- Following the route of the left hand switch cube harness, pass the heated grip switch harness through the cable guide on the headstock, as shown below.

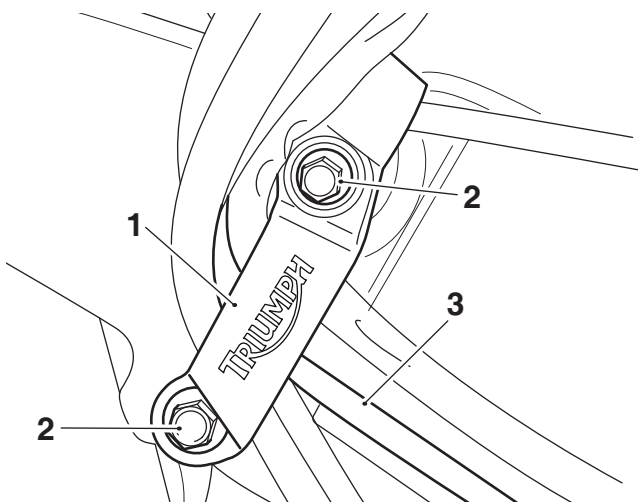


- Cable guide
- Heated grip switch harness


**Warning**

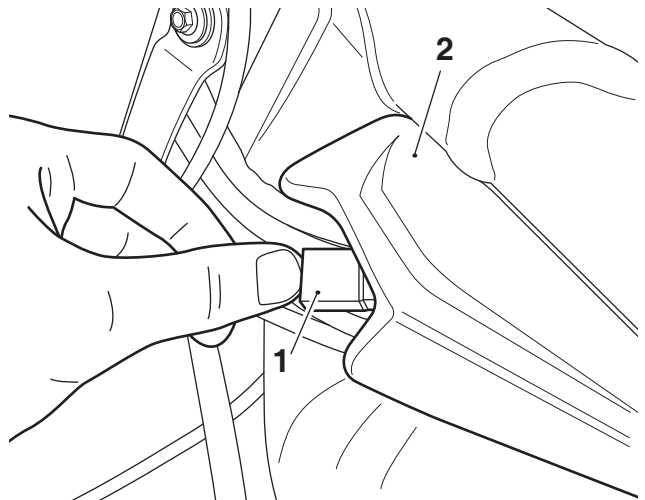
Move the handlebars to the left and right full lock while checking that the cables and harness do not bind. A cable or harness that binds will restrict the steering and may cause loss of motorcycle control and an accident.

- Remove the fixings securing the cable guide on the left hand side of the motorcycle. Route the heated grip switch harness through the cable guide. Fit the M6 x 28 mm encapsulated fixings from the kit and tighten to **13 Nm**.



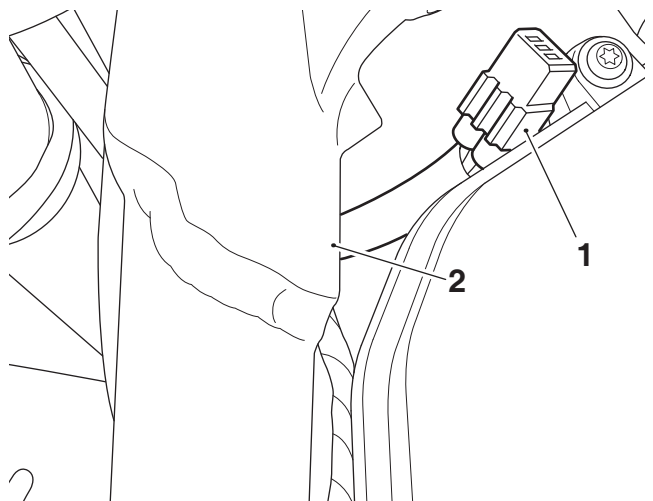
- Cable guide
- Fixings, M6 x 28 mm (encapsulated)
- Heated grip switch harness

- Route the heated switch harness behind the infill panel and through the motorcycle frame on the left hand side of the motorcycle.



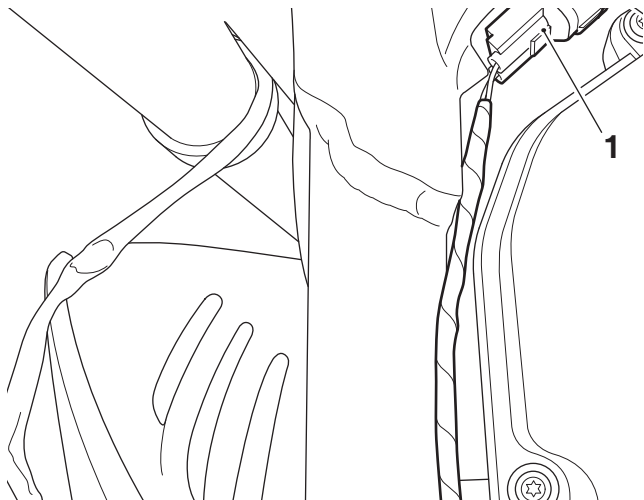
- Heated grip switch harness
- Infill panel

- Continue to route the heated grip harness to the area below the fuel tank, as shown.



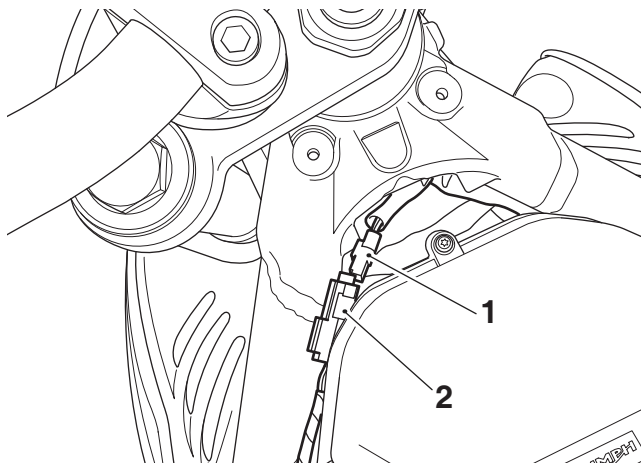
- Heated grip switch harness
- Motorcycle frame

10. Identify the main wiring harness connector on the main wiring harness (located in the area below the fuel tank) 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

11. Connect the heated grip harness connector to the main harness connector.



1. Heated grip harness connector
2. Main harness connector

12. Reconnect the battery, positive (red) lead first and tighten the battery terminals to **4.5 Nm**.
13. Refit the fuel tank as described in the Service Manual.
14. Refit the left hand and right hand bar end finishers, using new M6 x 20 mm encapsulated screws from the kit, as described in the Service Manual. Tighten the finisher screws to **5 Nm**.

## Heated Grip System Testing

### Note:

- During the initial engine start up phase the engine control module will run a self check of the heated grip circuit. During this time the switch will glow red and amber and then return to the OFF position.



### Warning

Never start the engine or let it run for any length of time in a closed area. The exhaust fumes are poisonous and may cause loss of consciousness and death within a short time. Always operate the motorcycle in the open-air or in an area with adequate ventilation.

1. Run the engine to avoid draining the battery.
2. Operate the switch at both positions and check that the heated grips warm up.
3. Fuse number 2 of the front fuse box protects the heated grip circuit. Refer to the label in the fuse box lid for fuse amperage.

### Operation

1. The heated grip switch has three operating modes and will change colour as described below:
  - OFF - white;
  - HOT - red;
  - WARM - green or amber.

The system is designed to offer a variable level of heat at the grips from warm to hot.

2. For maximum benefit in cold conditions, from the off position press the switch once for hot (red) initially and then reduce the heat level by pressing the switch again for warm (green or amber) when the grips have warmed up. To turn off the heated grips, press and release the switch until the colour of the switch is white.

### Automatic Shutdown

If the heated grips are switched on and a low battery voltage situation is detected continuously for five minutes the illuminated switch will flash five times. When the illuminated switch stops flashing the power to the heated grips and LED warning light will be switched off.

To switch the heated grips on again, press the switch until the desired heat level is reached, however if the low voltage condition is still apparent the heated grips will operate for a further five minutes and then turn off.



### Warning

If, after fitment of this accessory kit, you have any doubt about the performance of any aspect of the motorcycle, contact an authorised Triumph dealer and do not ride the motorcycle until the authorised dealer has declared it fit for use. Riding a motorcycle when there is any doubt as to any aspect of the performance of the motorcycle may result in loss of control of the motorcycle leading to an accident.



### Warning

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

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 control or an accident.

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



### Warning

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



### 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 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.