



## Accessory Fitting Instructions

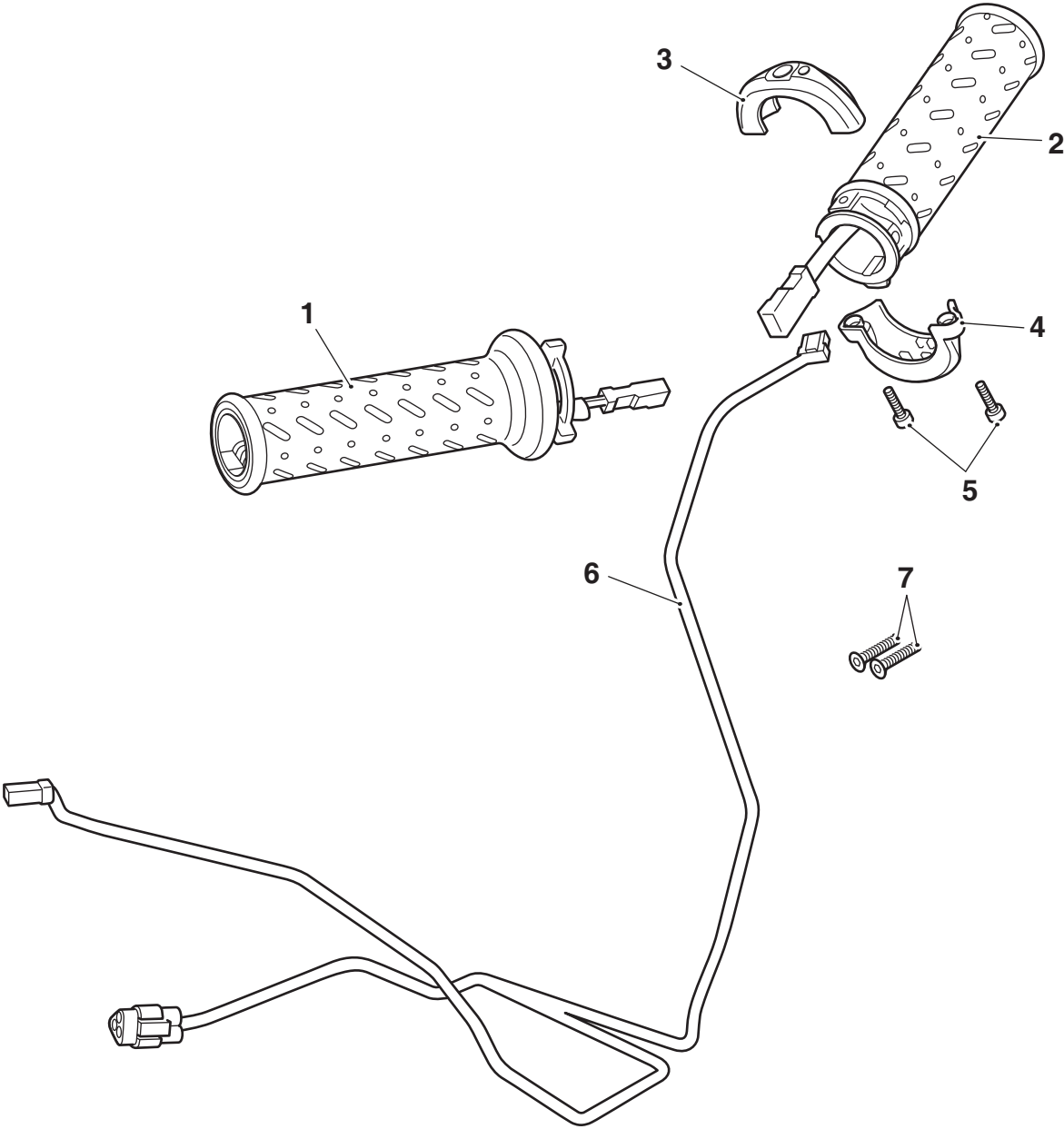
| Heated Grip Kit |                      |
|-----------------|----------------------|
| Kit Number      | Models Affected      |
| A9828045        | Speed Triple 1200 RS |

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, right hand | 1 off | 5. | Screw, Torx head self-tapping                   | 2 off |
| 2. | Heated grip, left hand  | 1 off | 6. | Subharness                                      | 1 off |
| 3. | Upper switch housing    | 1 off | 7. | Screw, M6 x 20 mm countersunk head encapsulated | 2 off |
| 4. | Lower switch housing    | 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. 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 will 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 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.



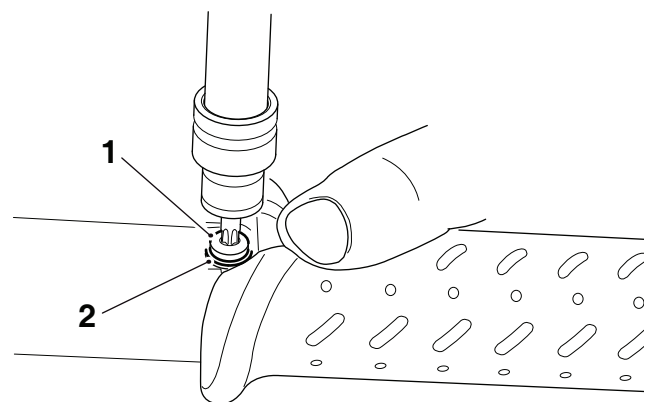
### Warning

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 will 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, as described in the Service Manual.
3. Remove the left hand and right hand bar end finishers, as described in the Service Manual. Retain the bar end finishers for reuse and discard the fixings.
4. Remove the left hand and right hand bar end mirrors, as described in the Service Manual.
5. Release the two fixings securing the left hand handlebar grip to the handlebar and slide the handlebar grip off the handlebar. Retain the fixings and washers for reuse. Retain the grip for reuse if the motorcycle is to be returned to its original condition.



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

6. 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.

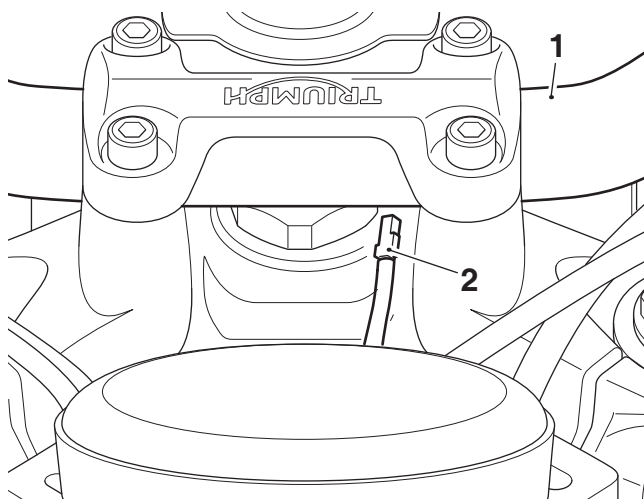
## Installation

### Note:

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

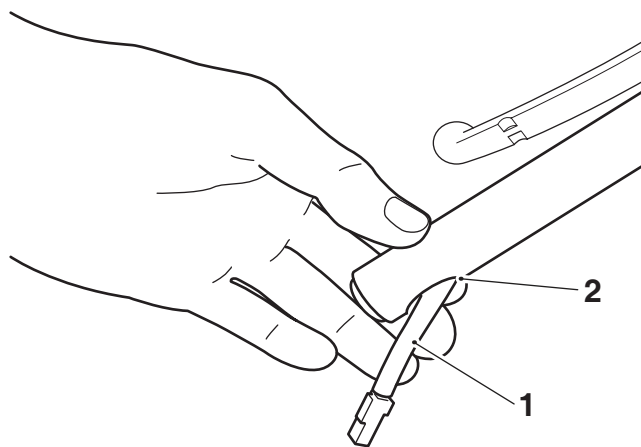
### Left Hand Side

7. Thread the subharness lead with the 3-pin connector into the large hole in the underside of the handlebar, as shown below.



1. Handlebar
2. Heated grip switch cable - 3-pin connector

8. Feed the subharness lead with 3-pin connector towards the left hand side of the handlebar and out through the slot in the handlebar end weight mounting.



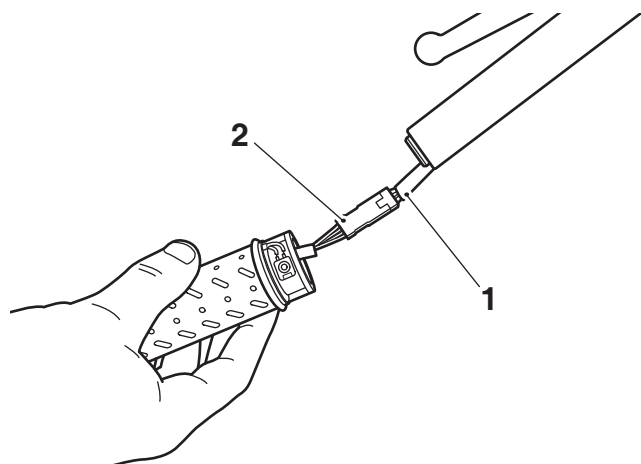
1. Subharness
2. Slot, handlebar



### Caution

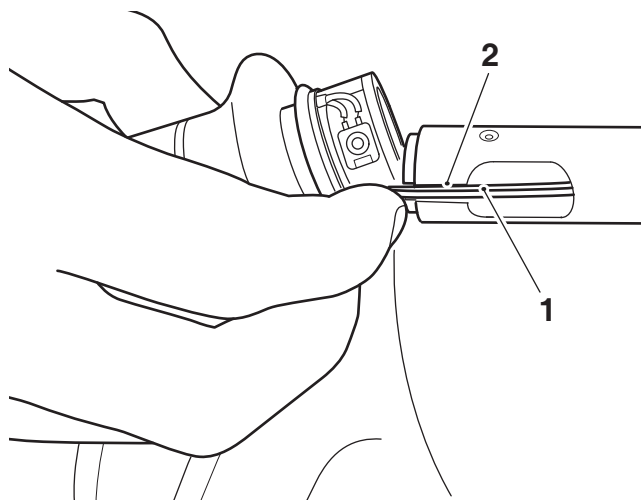
A wiring harness which becomes trapped or kinked during installation, or general motorcycle operation, may result in wiring harness damage and electrical malfunctions.

9. Connect the heated grip harness connector to the left hand heated grip electrical connector.



1. Heated grip harness connector
2. Heated grip connector

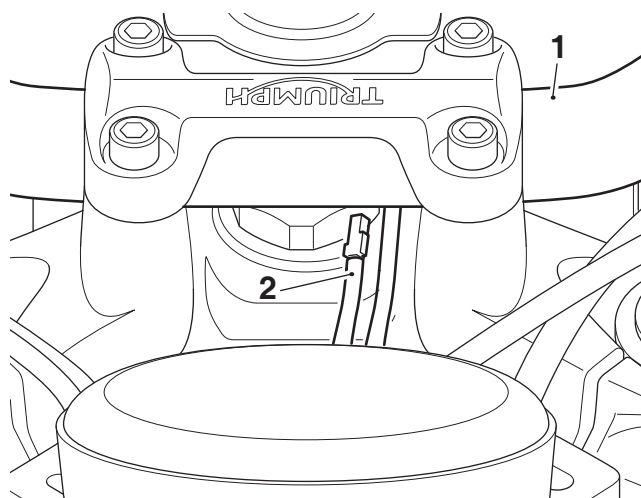
10. When fitting the grip onto the handlebar, carefully pull the harness back through the handlebar making sure the harness/heated grip connection is positioned into the handlebar and the harness remains in the slot in the bar end.



1. Harness  
2. Slot, handlebar

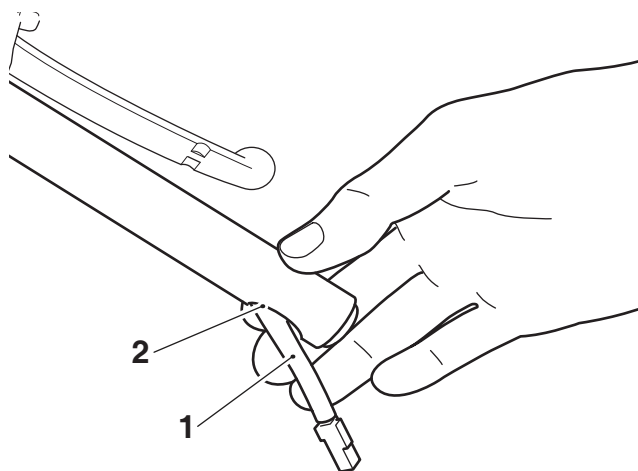
#### Right Hand Side

11. Thread the subharness lead with the 2-pin connector into the large hole in the underside of the handlebar, as shown below.



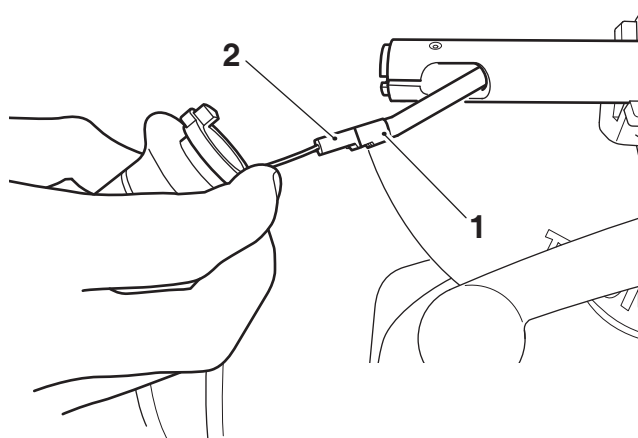
1. Handlebar  
2. Heated grip switch cable - 2-pin connector

12. Feed the subharness lead with the 2-pin connector towards the right hand side of the handlebar and out through the slot in the handlebar end weight mounting.



1. Subharness  
2. Slot, handlebar

13. Connect the heated grip harness connector to the right hand heated grip (twist grip) connector.



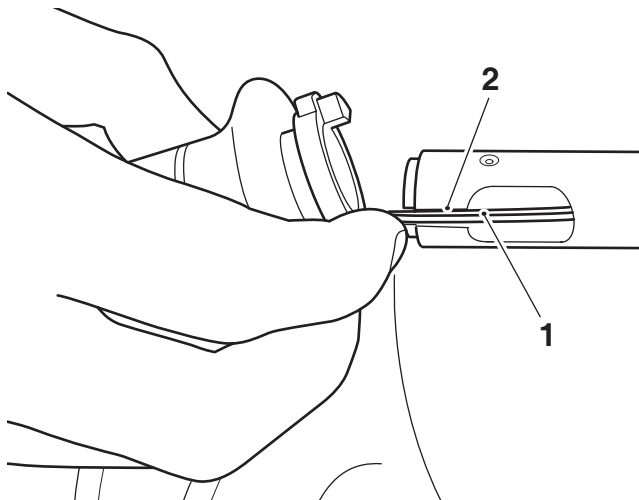
1. Heated grip harness connector  
2. Heated twist grip connector



#### Caution

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

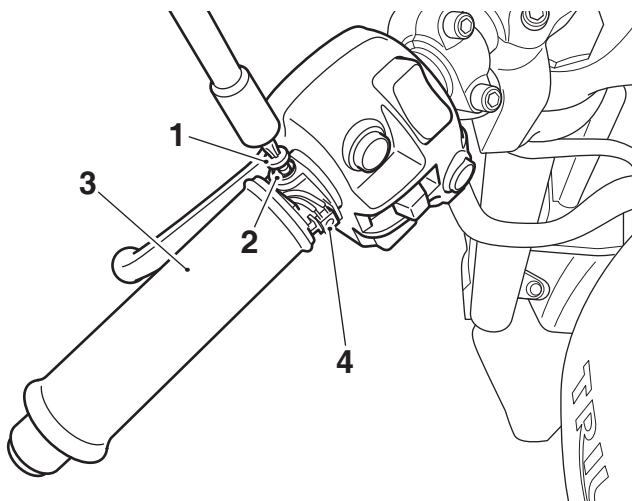
14. When fitting the grip onto the handlebar, carefully pull the harness back through the handlebar making sure the harness/heated grip connection is positioned into the handlebar.



1. Harness
2. Slot, handlebar

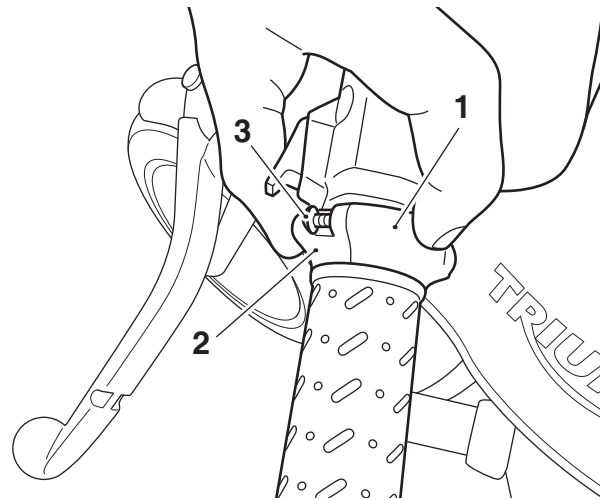
#### Left Hand Side

15. Make sure the grip is in the orientation shown below with the switch contacts facing the rider. Secure the new grip with the original fixings and washers. Tighten the fixings to **2.5 Nm**.



1. Original fixing (one of two shown)
2. Original washer (one of two shown)
3. Heated grip
4. Switch contacts

16. Fit the upper and lower switch housings on to the heated grip and retain with the Torx head self-tapping screws provided in the kit. Tighten the screws to **1 Nm**.



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

#### Right Hand Side

##### Note:

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



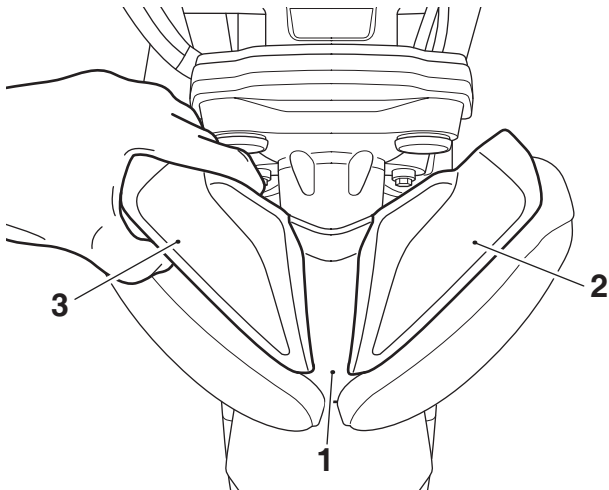
#### Warning

Check the operation of the right hand heated grip (twist grip). Make sure that the rearward and forward movement of the 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 and an accident.

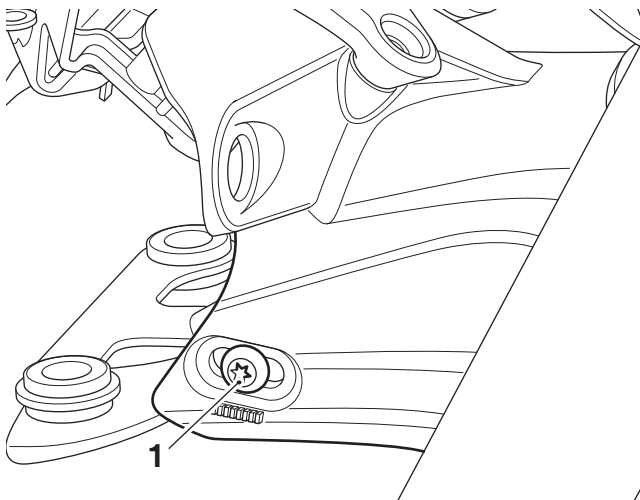
18. Refit the twist grip position sensor and tighten the fixings to **2.5 Nm**.
19. Carefully check that the twist grip rotates smoothly through its full range of movement, and is not restricted in any way. If any tightness or resistance is felt, check and rectify the cause before riding the motorcycle.
20. Make sure the throttle is fully closed, and the electrical cable inside the twist grip has adequate slack to allow correct throttle operation.

21. Remove the left hand and right hand headlight finishers as described in the Service Manual.



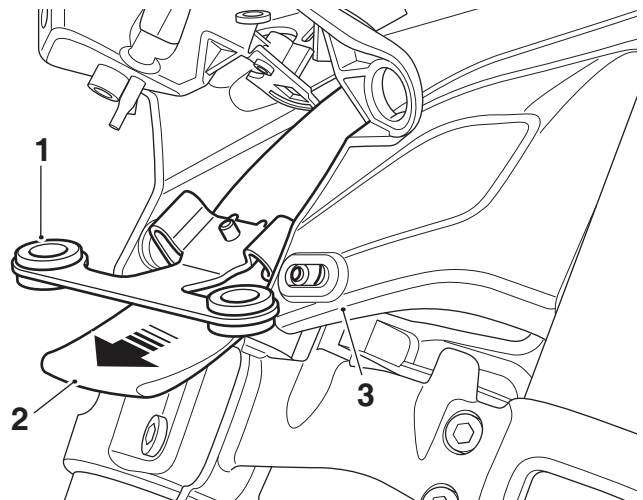
- 1. Headlight carrier moulding
- 2. Finisher, left hand
- 3. Finisher, right hand

22. Remove the headlight as described in the Service Manual.
23. Fully remove the left hand side and right hand side headlight adjustment fixings. Retain the fixings for reuse.



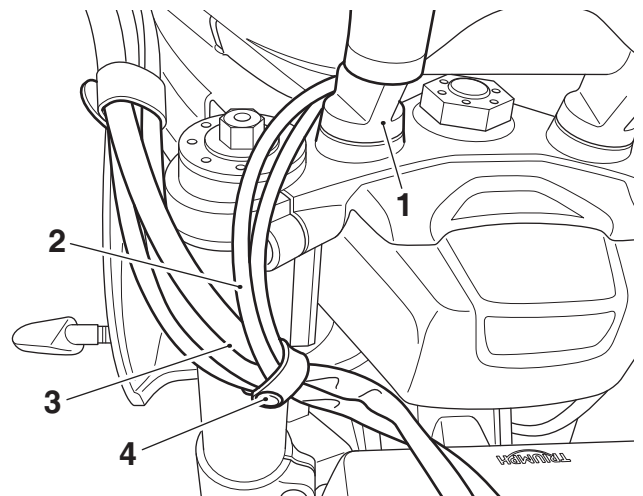
- 1. Headlight adjustment fixings (left hand side shown)

24. Remove the headlight adjuster bracket and intake cover moulding as one, by sliding forward.



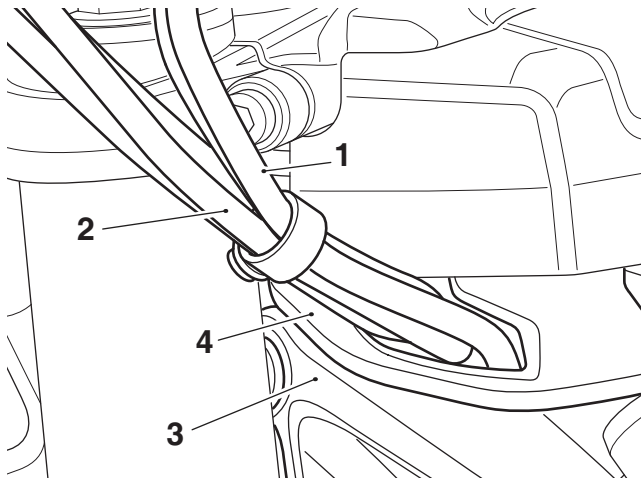
- 1. Headlight adjuster bracket
- 2. Intake cover moulding
- 3. Front subframe

25. Route the heated grip subharness around the right hand side handlebar riser and secure the subharness to the right hand switch harness with the original rubber strap, as shown.



- 1. Handle bar riser, right hand side
- 2. Heated grip subharness
- 3. Right hand switch harness
- 4. Original rubber strap

26. Route the heated grip subharness through the harness grommet in the front subframe following the routing of the right hand switch harness. Make sure the heated grip harness is routed on the inboard side of the other harnesses as it is passed through the grommet.



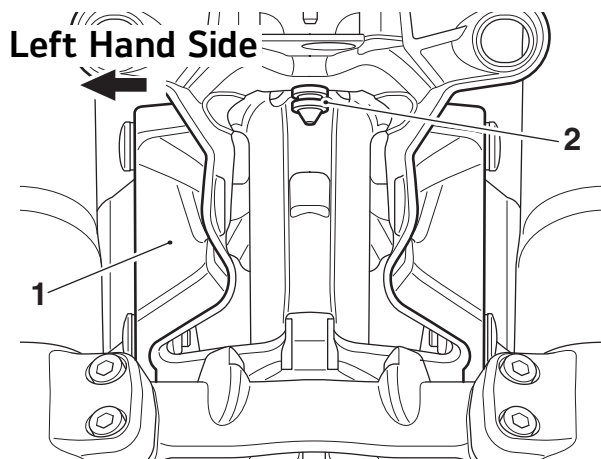
- 1. Heated grip subharness
- 2. Right hand switch harness
- 3. Front subframe
- 4. Grommet



### Caution

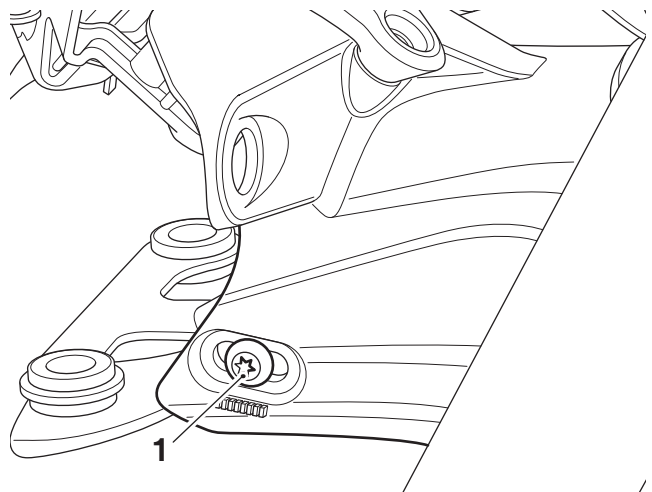
A wiring harness which becomes trapped or kinked during installation, or general motorcycle operation, may result in wiring harness damage and electrical malfunctions.

27. Refit the headlight adjuster bracket and intake cover moulding as one unit, by sliding the slot in the intake cover moulding onto the rubber grommet in the subframe. Make sure the heated grip subharness is routed forwards, above the intake cover moulding, and to the left hand side of the rubber grommet when viewed from the front of the motorcycle.



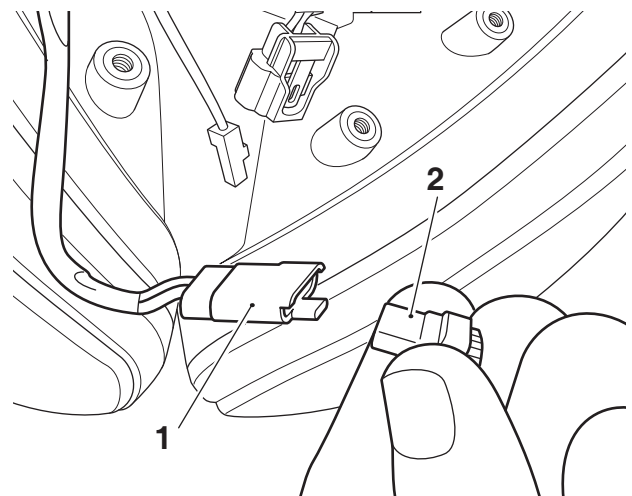
- 1. Front subframe
- 2. Grommet

28. Refit the left hand side and right hand side headlight adjustment fixings. Do not fully tighten the fixings at this stage.



### 1. Headlight adjustment fixings (left hand side shown)

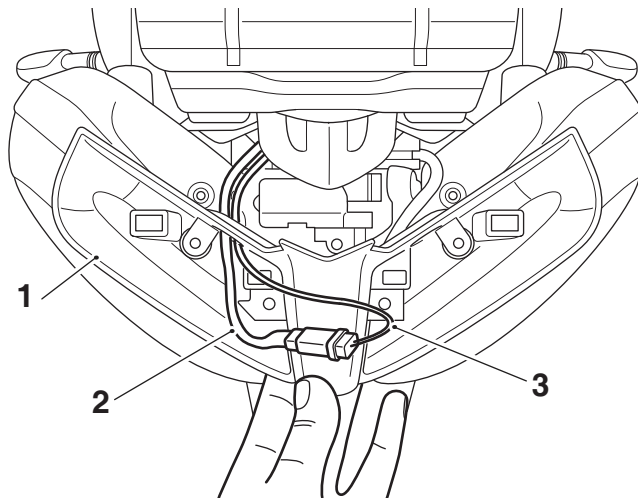
29. Refit the headlight as described in the Service Manual.
30. Refit the headlight finisher carrier moulding, as described in the headlight panel section of the Service Manual.
31. Remove the blanking plug from the main wiring harness heated grip connector. Retain the blanking plug for reuse if the motorcycle is to be returned to its original condition.



- 1. Main wiring harness heated grip connector
- 2. Blanking plug

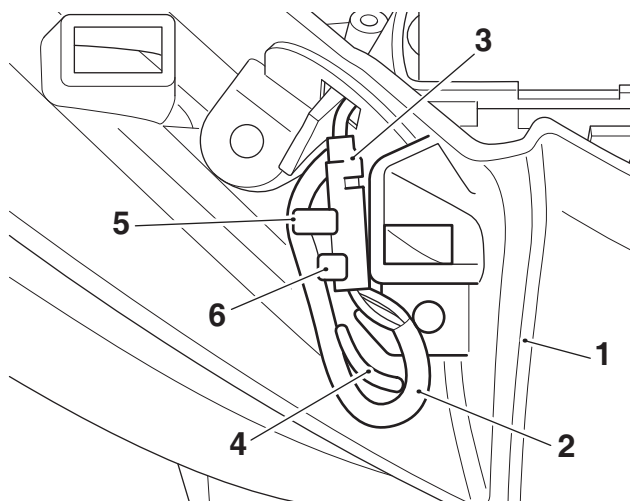


32. Feed the heated grip main wiring harness and heated grip subharness through the rear of the headlight carrier moulding and connect the subharness connector to the main wiring harness connector.



1. Headlight carrier moulding
2. Heated grip main wiring harness
3. Heated grip subharness

33. Loop the heated grip harness around the harness guide on the headlight carrier moulding with the harness positioned under the right hand retaining clip on the carrier moulding and the harness connector positioned under the left hand retaining clip, as shown.

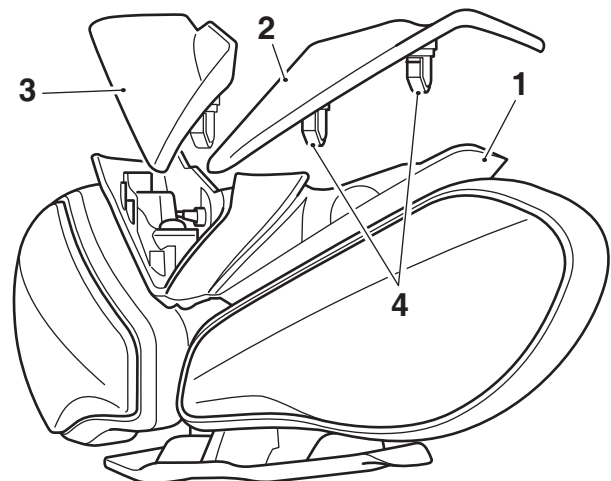


1. Headlight carrier moulding
2. Heated grip harness
3. Heated grip harness connector
4. Harness guide
5. Retaining clip, right hand
6. Retaining clip, left hand

**Note:**

- The headlight finishers are held in position with bayonet panel clips.
- If the bayonet panel clips remain in the carrier, remove them and fit the headlight finisher prior to fitment.

34. Fit the headlight finishers into the headlight carrier moulding, making sure the panel clips locate correctly in the mounting holes in the headlight carrier moulding.



1. Headlight carrier moulding
2. Headlight finisher, left hand
3. Headlight finisher, right hand
4. Panel clips (left hand finisher shown)

35. Turn the handlebars to full left hand lock and make sure there is enough slack in the heated grip subharness to prevent it from binding.



**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.



**Caution**

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

36. Reconnect the battery, as described in the Service Manual.
37. Refit the seat as described in the Service Manual.
38. Refit the left hand and right hand bar end mirrors, as described in the Service Manual.

39. Refit the left hand and right hand bar end finishers, using new M6 x 20 mm countersunk head encapsulated screws from the kit, as described in the Service Manual.
40. Adjust the left hand and right hand mirrors to provide clear rear visibility in the normal riding position.
41. Adjust the position of the headlight to the correct alignment, as described in the Service Manual.

## 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.**



### 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. Start the engine and allow to idle to avoid discharging the battery.
2. Check that the temperature of the heated grips 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 and the status will be shown on the display screen with a heated grip symbol in different colours, 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 fitted 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 authorised Triumph dealer.



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