

Fitting Instructions:

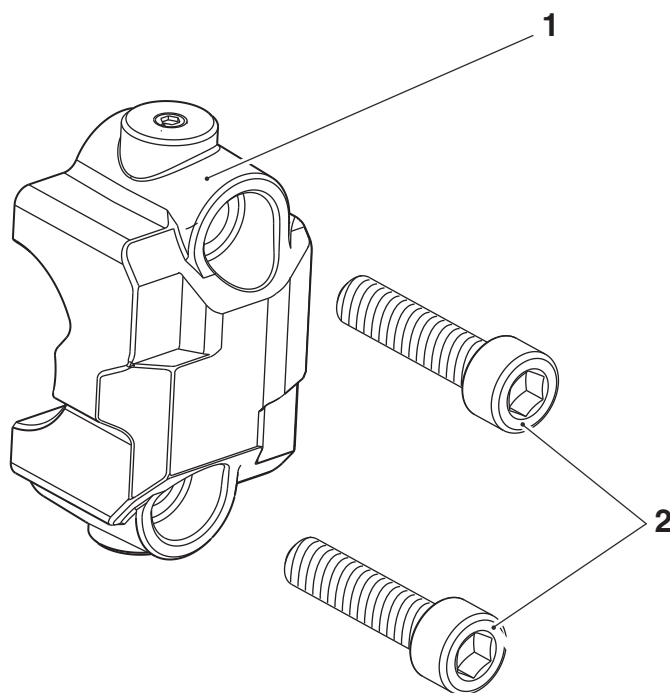
Tiger Explorer and Tiger Explorer XC

A9638086, A9638048 and A9638121

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.

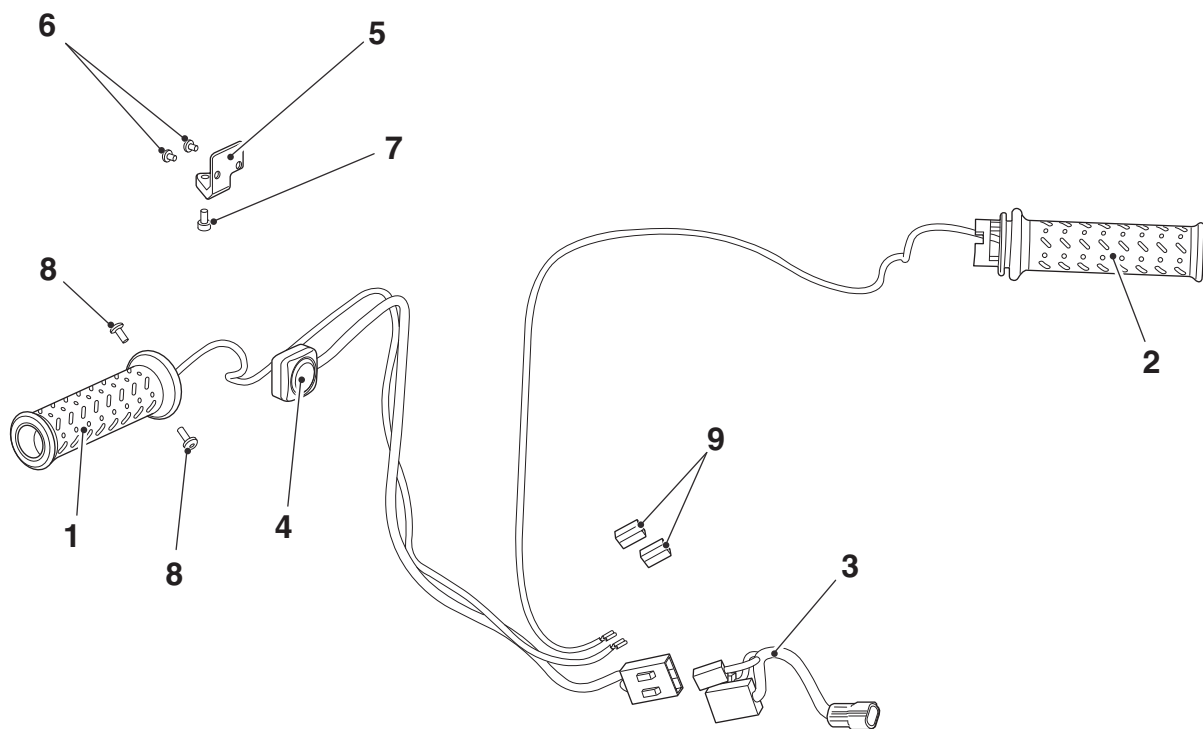
Completely read all of these instructions before commencing the installation of the accessory kit in order to become thoroughly familiar with the kit's features and the installation process.

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 A9638086:

1. Clamp, clutch master cylinder	1 off	2. Screw, M6 x 25 mm	2 off
----------------------------------	-------	----------------------	-------



Parts Supplied A9638048 and A9638121:

1.	Heated grip, left-hand	1 off	6.	Screw, M4 x 5 mm	2 off
2.	Heated grip, right-hand	1 off	7.	Screw, M4 x 8 mm	1 off
3.	Sub-harness, heated grips	1 off	8.	Screw, M4 x 10 mm	2 off
4.	Switch, heated grips	1 off	9.	Connector block	2 off
5.	Bracket, switch	1 off			



Warning

This accessory kit is designed for use on Triumph Tiger Explorer and Tiger Explorer XC motorcycles only and should not be fitted to any other Triumph model or to any other manufacturer's motorcycle. Fitting this accessory kit to any other Triumph model 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 cause an accident.



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 ensure 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 ensure 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

Throughout this operation, ensure that the motorcycle is stabilised and adequately supported to prevent risk of injury from the motorcycle falling.



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.

Heated Grip Installation

1. Remove the rider's seat, refer to the owner's manual.
2. Disconnect the battery, negative (black) lead first.
3. Remove the following items as described in the service manual:
 - Fuel tank;
 - Handlebar end weights;
 - Left-hand switch cube;
 - Left-hand handlebar grip.
4. Remove the right-hand switch cube screws and position the rear of the switch cube away from the handlebar.

Note:

- **To gain access to the switch cube screws it may be necessary to slacken the front brake master cylinder clamp screws and rotate the assembly out of the way.**



Warning

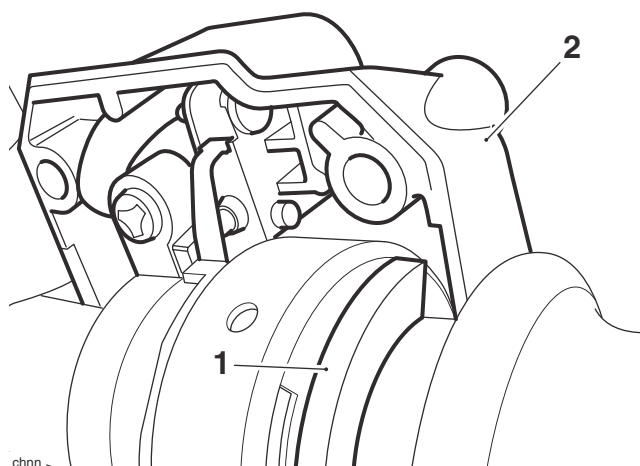
Do not allow the master cylinder to invert as this will introduce air into the brake system and may also cause brake fluid to leak resulting in damage to bodywork.

A dangerous riding condition, leading to loss of motorcycle control and an accident could result if this warning is ignored.

Note:

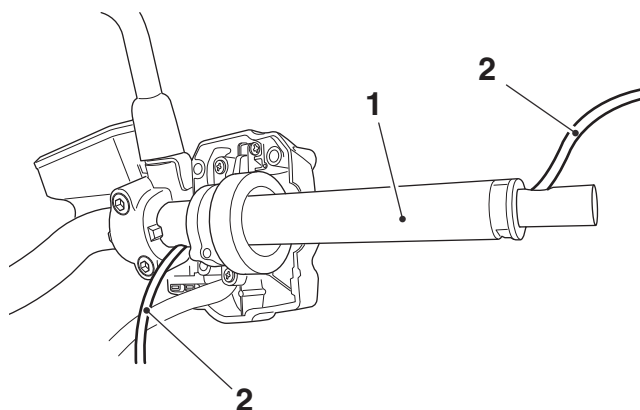
- **Note the position and orientation of the twist grip to the switch cube for installation.**

5. Slightly roll the twist grip rearwards until its guide is clear of the switch cube. Slide the twist grip off the handlebar. Retain the twist grip for re-use if the motorcycle is to be returned to its original condition.



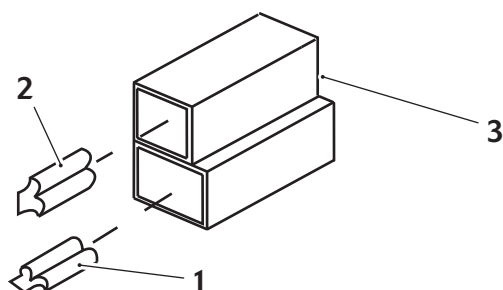
- 1. Guide, twist grip**
2. Switch cube

6. Thread the right-hand (throttle) heated grip cable into the large hole in the handlebar end weight mounting and out through the hole in the underside of the handlebar, as shown below.



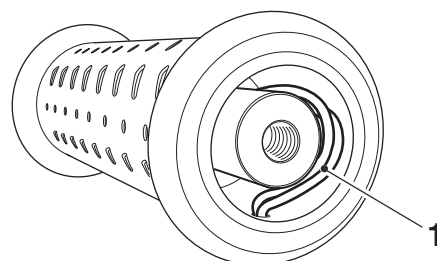
- 1. Handlebar**
2. Heated grip cable

7. Recover the terminals blocks from the kit, push-fit the terminals into the connector block ensuring the tags locate fully.



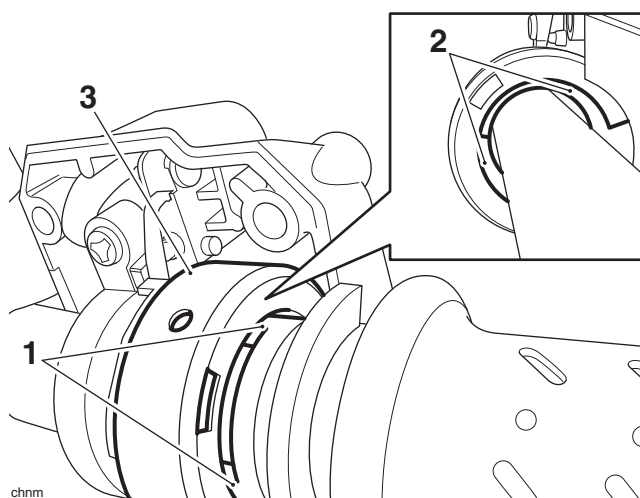
- 1. Brown terminal**
2. Blue terminal
3. Connector block

8. Carefully fit the right-hand heated grip to the handlebar. Ensure that the cables do not become trapped and that there is enough cable slack to allow the throttle to move fully anti-clockwise, as shown below.



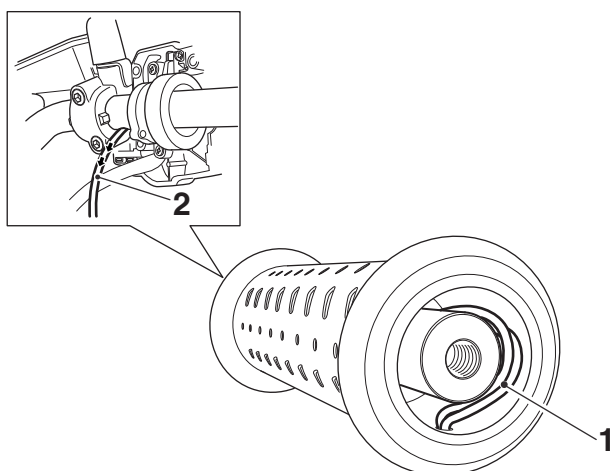
- 1. Cable position (throttle off)**

9. Partially engage the locating lugs on the heated grip into their slots in the spring housing.



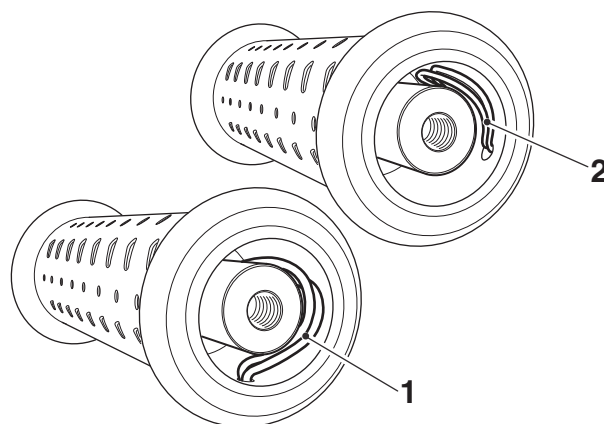
- chnm
1. Locating lugs
 2. Slots
 3. Spring housing

10. To fully engage the heated grip, rotate it rearwards and gently push fully in.
11. Carefully pull the cable back through the hole in the underside of the handlebar until the loop of the cables is just inside the end of the right-hand grip, as shown below.



1. Cable position (throttle off)
2. Cable

12. Ensure there is enough slack in the cables for the right-hand grip to rotate and the cables not to become trapped.



1. Cable position (throttle off)
2. Cable position (throttle on)

13. Carefully check that the right-hand 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.
14. Fit the rear of the switch cube and tighten its fixings to **2.5 Nm**.
15. Ensure the throttle is fully closed, and the cable inside the twist grip has adequate slack to allow correct throttle operation.



Warning

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

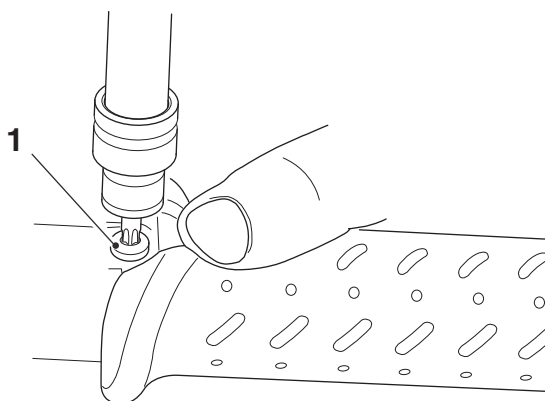
16. Following the right-hand switch cube wiring, route the right-hand heated grip cable through to the right-hand side of the headstock.
17. Secure the cables with the rubber straps, already fitted to the switch cube harness, to help prevent them becoming trapped or stretched by the steering mechanism.



Warning

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

18. Refit the right-hand handlebar end weight. Tighten the end weight fixing to **5 Nm**.
19. Fit the left-hand heated grip in the same way as for the right, again ensuring that the cable is located correctly and cannot be trapped. Secure the left-hand grip by aligning and tightening the two self-tapping screws to **3 Nm** as shown below.

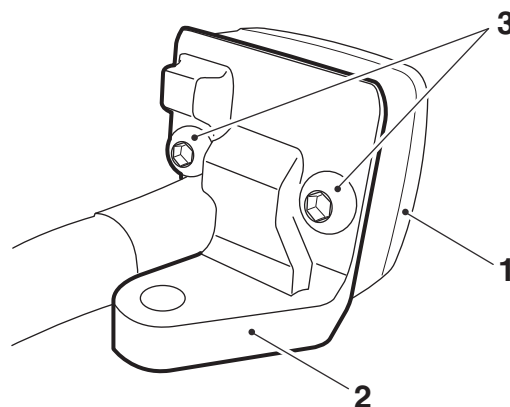


1. Self-tapping screw, 1 of 2 shown

20. Refit the left-hand switch cube. Tighten the fixings to **2.5 Nm**.
21. Refit the left-hand handlebar end weight. Tighten the end weight fixing to **5 Nm**.
22. Secure the left-hand heated grip cable to the left-hand switch cube cable utilising the rubber strap already fitted.
23. Align the split line of the brake lever with the '+' mark on the upper surface of the handlebar, then tighten the clamp screws, upper first, to **12 Nm**.

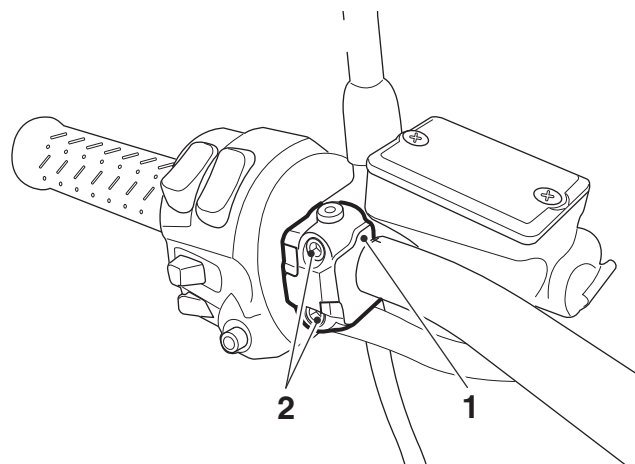
Switch Fitment

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

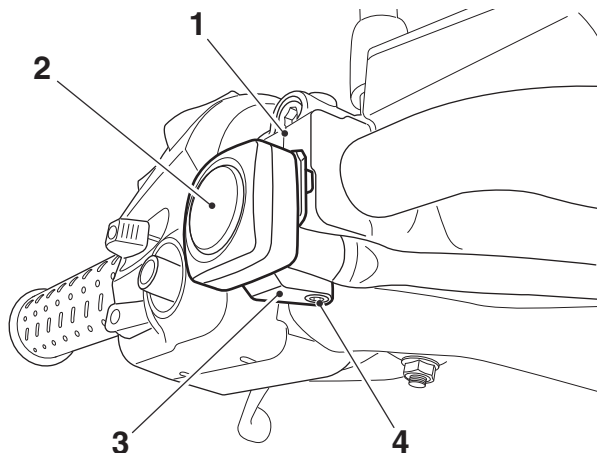
2. Support the clutch master cylinder assembly and remove its clamp. Retain the clamp and the two screws if the motorcycle is to be returned to its original condition.
3. Fit the clutch master cylinder clamp from the kit with the protrusion on the side of the clamp towards the switch cube. Secure with the M6 x 25 mm screws from the kit.



1. Clutch master cylinder clamp
2. Screw, M6 x 25 mm

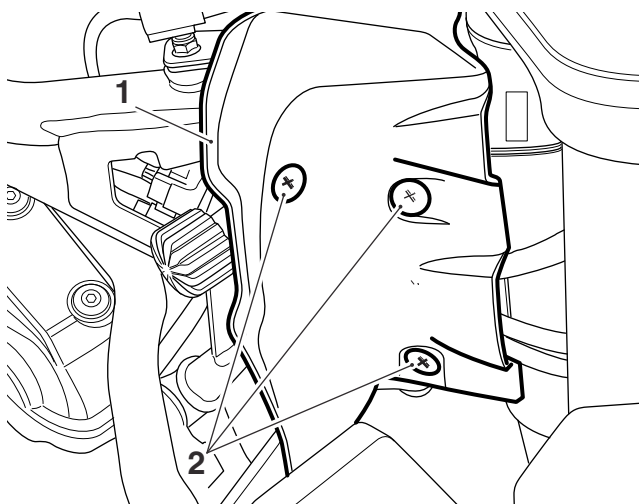
4. Align the split line of the clutch lever with the '+' mark on the upper surface of the handlebar, then tighten the clamp screws, upper first, to **12 Nm**.

5. Fit the switch bracket to the clamp, secure with the M4 x 8 mm screw from the kit and tighten to **3 Nm**.



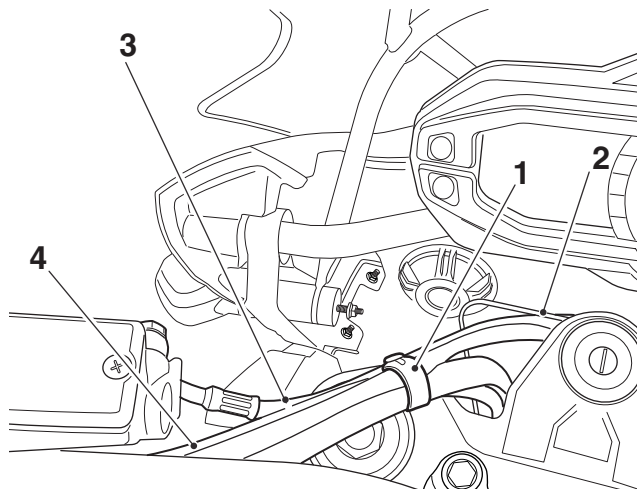
- 1. Clutch master cylinder clamp
- 2. Heated grip switch
- 3. Switch bracket
- 4. Screw, M4 x 8 mm

6. Remove the scrivenets from both sides of the headstock infill panel and remove it from the frame.



- 1. Infill panel (right-hand shown)
- 2. Scrivenet

7. Route the heated grip switch harness following the line of the switch cube harness. Secure the harness using the rubber strap as shown below.



- 1. Rubber strap
- 2. Wire guide
- 3. Clutch hose
- 4. Switch harness

8. Following the line of the clutch hose, route the switch harness and left-hand heated grip cable through to the area at the right-hand side of the headstock.

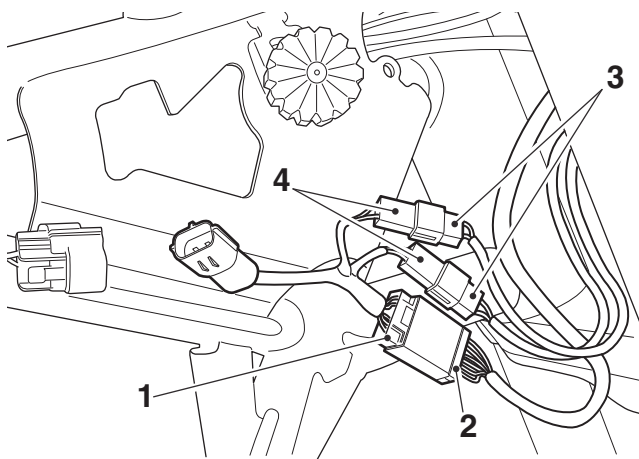


Warning

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 control and an accident.

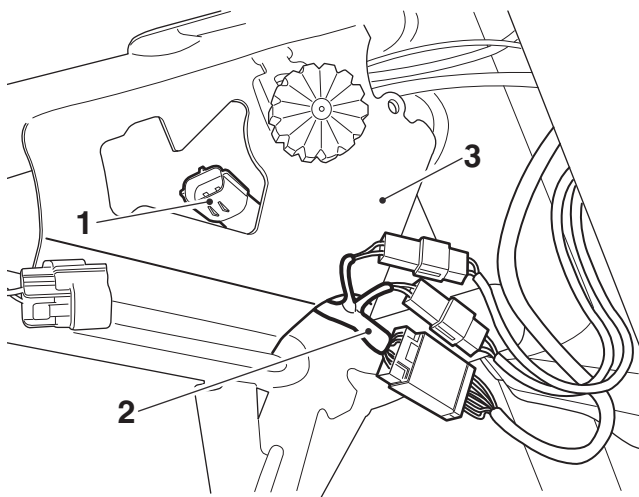
Sub-Harness Fitment

1. Recover the sub-harness from the kit.
2. Connect the switch harness to the corresponding connector on the sub-harness.
3. Connect the heated grip cables to the two connectors on the sub-harness.



1. Sub-harness switch connector
2. Switch harness connector
3. Heated grip connectors
4. Sub-harness heated grip connectors

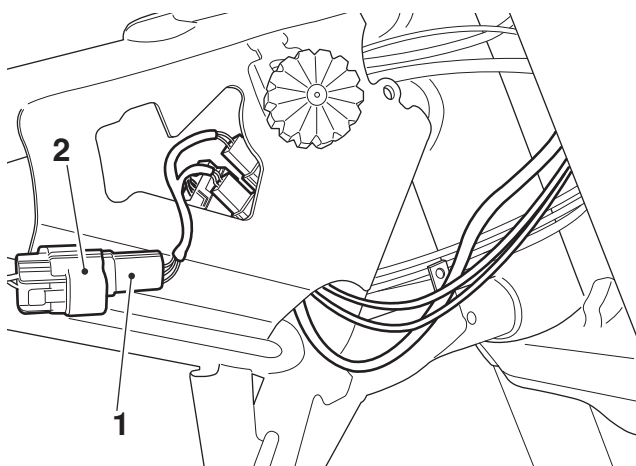
4. Route the sub-harness main connector through the hole in the frame brace to the area behind the headstock.



1. Sub-harness connector
2. Sub-harness
3. Frame brace

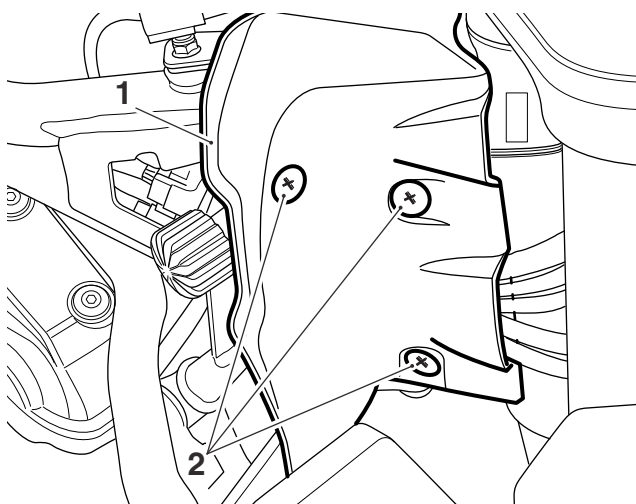
5. Identify the main wiring harness connector on the main wiring harness (located in the headstock area) and remove the blanking plug. Retain the blanking plug if the motorcycle is to be returned to its original condition.

6. Connect the heated grip sub-harness to the main harness.



1. Sub-harness
2. Main harness

7. Position the sub-harness and all loose cables to the right-hand side of the frame.
8. Fit the infill panel to the frame and secure using the scrivenets.



1. Infill panel (right-hand shown)
2. Scrivet

9. Refit the fuel tank as described in the service manual.
10. Reconnect the battery, positive (red) lead first.
11. Refit the rider's seat. Refer to the owner's 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. During this time the switch will glow red and amber and then return to the off position.**
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 4 of the right-hand 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 (not illuminated);
 - HOT - red (illuminated);
 - WARM - amber (illuminated).

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

To turn on the heated grips, press and release the heated grip switch once for the hot setting. The switch will be illuminated red.

Press and release the switch a second time for the warm setting. The switch will be illuminated amber.

Press and release the switch a third time to turn off the heated grips. The switch will not be illuminated and 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 fitting 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 competitions 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.