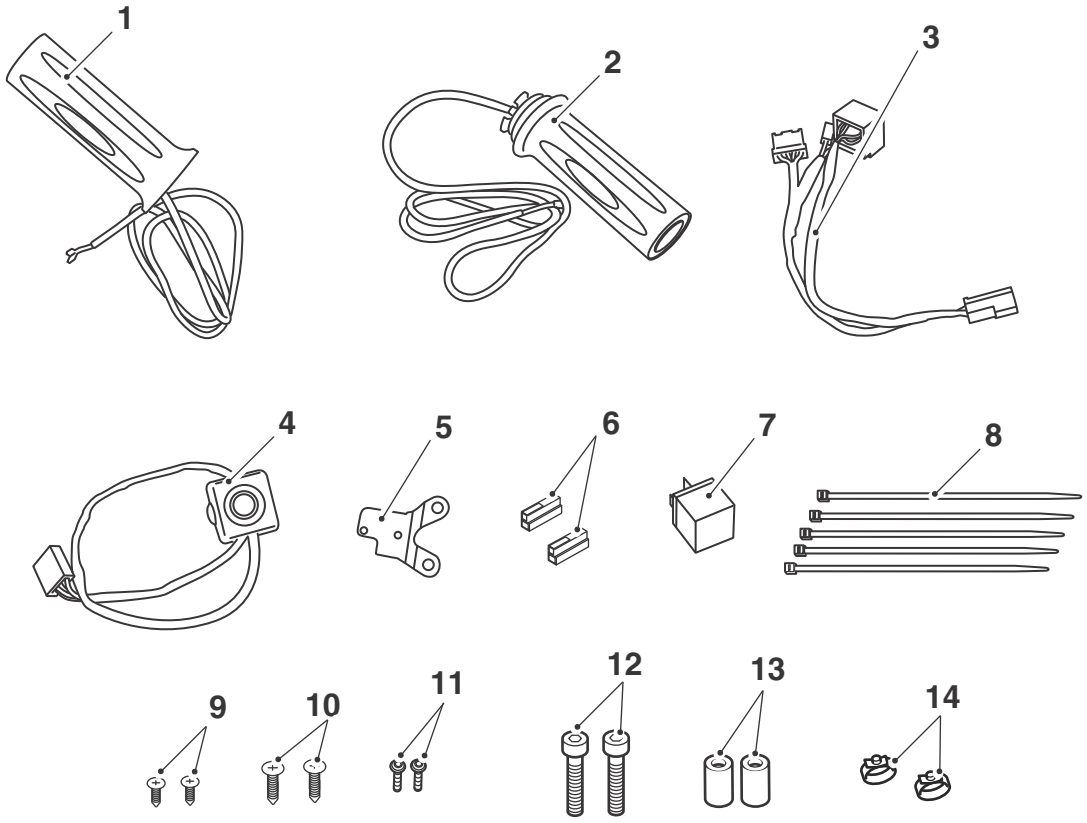
English

Fitting Instructions:
Thunderbird
A9638068 and A9638123

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	8.	Cable tie	5 off
2.	Heated grip, right-hand	1 off	9.	Screw, self tapping, M4 x 10 mm	2 off
3.	Wiring sub-harness	1 off	10.	Screw, self tapping, M4 x 13 mm	2 off
4.	Switch	1 off	11.	Screw, M4 x 5 mm	2 off
5.	Bracket, switch	1 off	12.	Bolt, M6 x 35 mm	2 off
6.	Connector block	2 off	13.	Spacer	2 off
7.	Relay	1 off	14.	Harness clip	2 off

Publication part number A9900457 issue 7, ADC 12976

Warning

This accessory kit is designed for use on Triumph Thunderbird motorcycles only and should not be fitted to any other manufacturer's motorcycle. Fitting this accessory kit 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

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

Warning

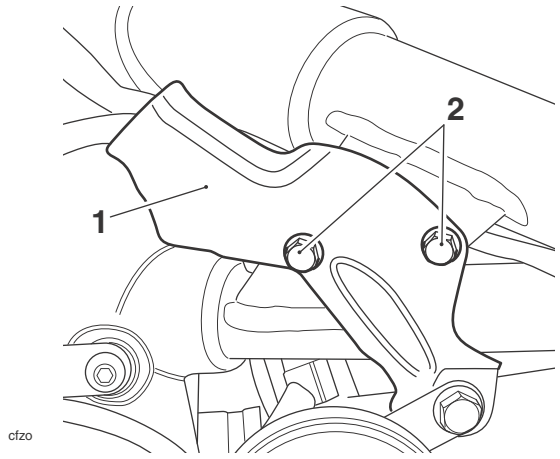
A torque wrench of known accurate calibration must be used when fitting this accessory kit. Failure to tighten any of the fasteners to the correct torque specification may result in loss of motorcycle control and an accident.

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.

Note:

- **The horn is attached to the left-hand headstock infill panel.**

4. Remove the bolts securing the left-hand headstock infill panel and allow it to hang free. Retain the bolts for re-use.



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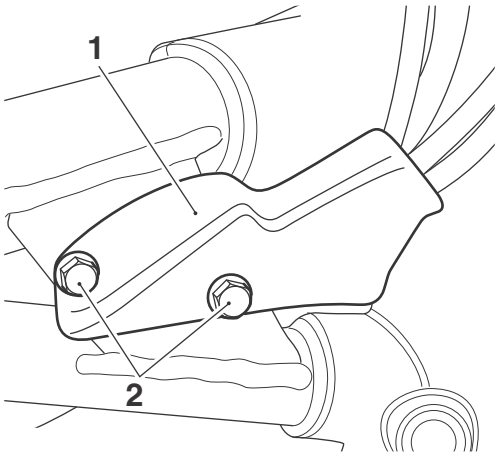
1. Infill panel
2. Bolts

5. Remove the right-hand headstock infill panel. Retain the bolts for re-use.



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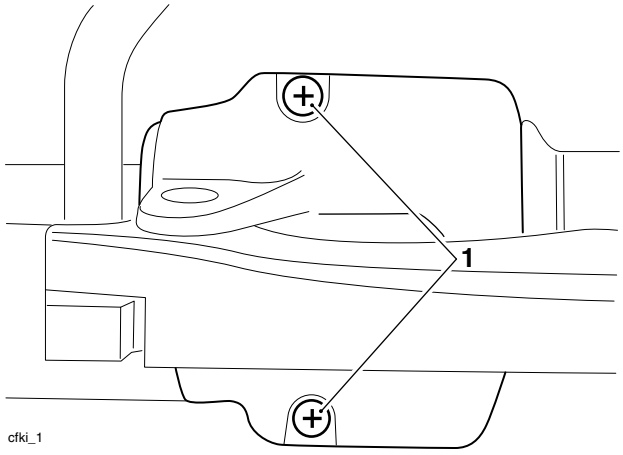
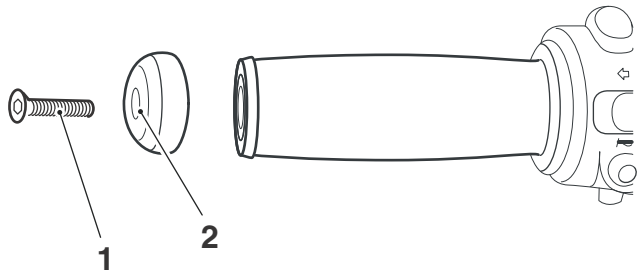
1. Infill panel
2. Bolts

6. Release the two screws securing the left-hand switchgear assembly and allow it to hang free.



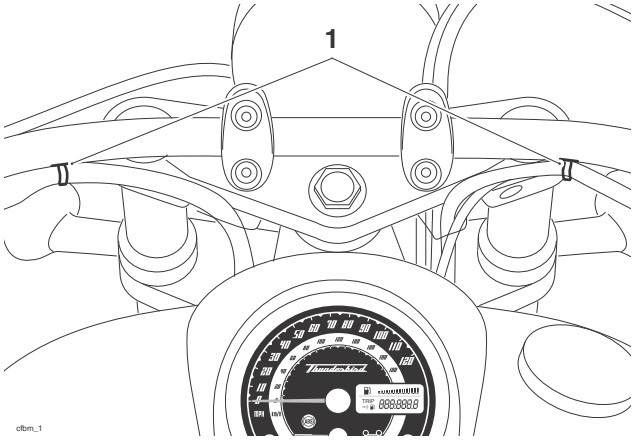
1. Screws

7. Remove the left-hand handlebar end weight. Retain the end weight and screw for re-use.



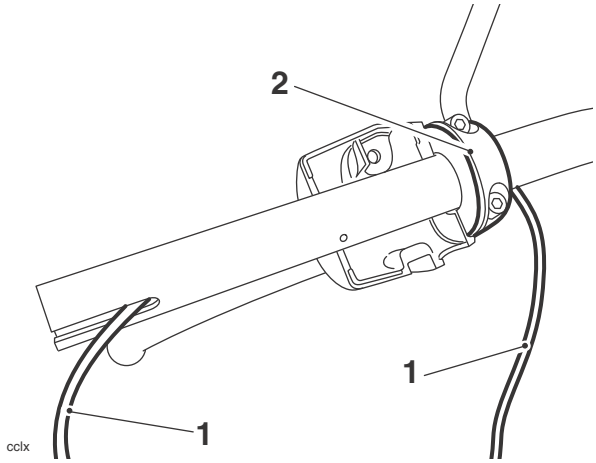
1. Screw
2. End weight

8. Remove the wiring clips on either side of the handlebar. Retain the clips if the motorcycle is to be returned to its original condition.



1. Clips

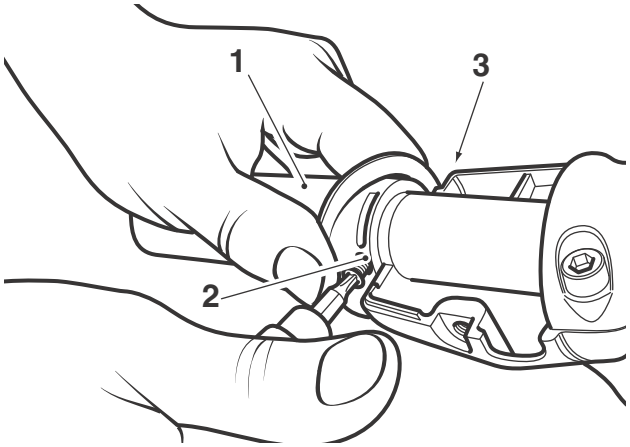
9. Remove the left-hand grip.
10. Locate the left-hand heated grip from the kit. Thread the wiring into the end of the handlebar and out through the hole located after the clutch lever mounting.



1. Heated grip wiring
2. Clutch lever mounting

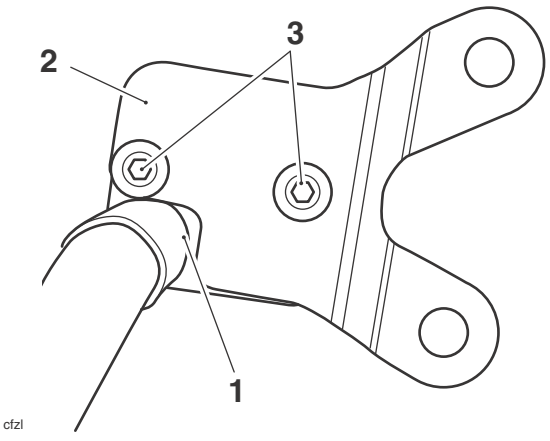
11. Slide the heated grip fully onto the handlebar. Ensure that the wiring is located in the cut out in the handlebar and cannot be trapped.
12. **For all handlebars except for handlebar kit A9638044 and A9638026:** Secure the left-hand grip by aligning the two holes in the grip to the two holes in the handlebar, fit the two M4 x 13 mm self tapping screws from the kit and tighten to **4 Nm**.

13. **For handlebar kit A9638044 and A9638026 only:** Secure the left-hand grip by aligning the two holes in the grip to the two holes in the handlebar, fit the two M4 x 10 mm self tapping screws from the kit and tighten to **4 Nm**.



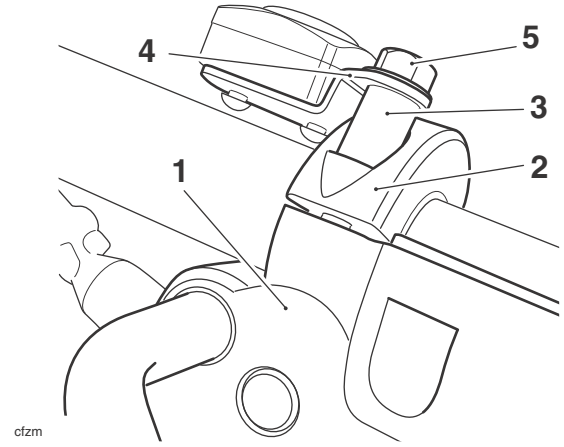
1. Heated grip
2. Lower screw location
3. Upper screw location

14. Align the switch to the bracket and secure with the two M4 x 5 mm screws as shown below. Tighten the screws to **3 Nm**.



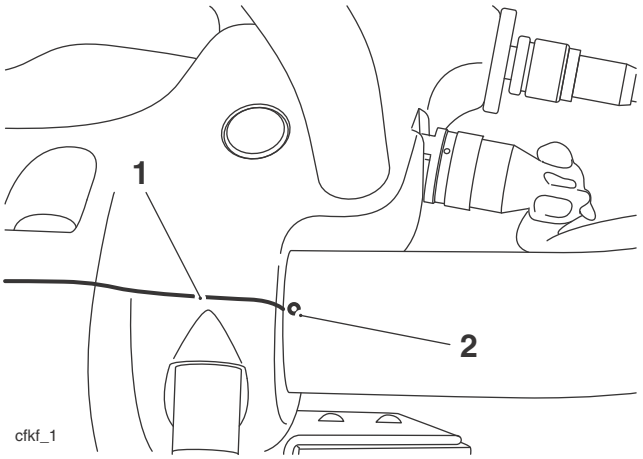
1. Switch
2. Bracket
3. Screws, M4 x 5 mm

15. While supporting the clutch lever, remove the two bolts and clamp from the clutch lever assembly. Retain the bolts if the motorcycle is to be returned to its original condition. Retain the clamp for re-use.
16. Collect the two spacers and two M6 x 35 mm screws from the kit.
17. Fit the clamp, spacers, switch bracket and screws to the clutch lever assembly as shown below. Do not fully tighten the screws at this stage.



1. Clutch lever assembly
2. Clamp
3. Spacer (1 of 2 shown)
4. Switch
5. Screw (1 of 2 shown)

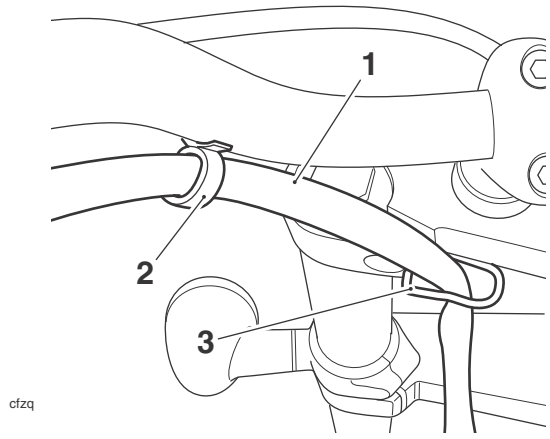
18. Align the clamp lower split line with the punch mark on the handlebar then tighten the clamp screws to **12 Nm**.



1. Clamp lower split line
2. Handlebar dot mark

19. Refit the left-hand switchgear assembly and tighten the screws to **3 Nm**.
20. Fit the left-hand end weight and tighten the screw to **8 Nm**.
21. Following the routing of the wiring harness for the left-hand switchgear, feed the heated grip and switch harness through the cable guide and into the area under the fuel tank.

22. Using a harness clip from the kit, secure the harnesses to the handlebar.



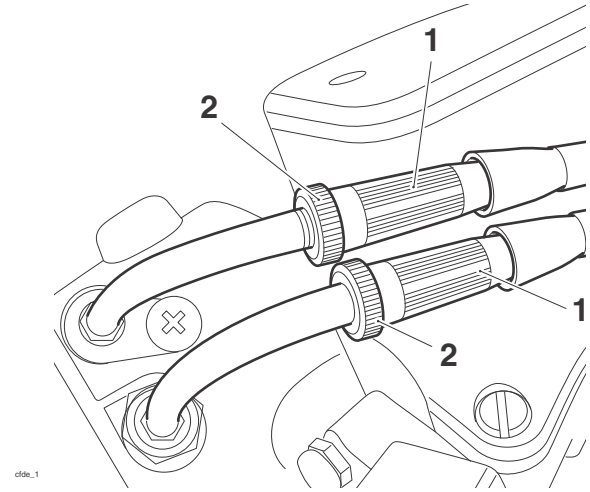
1. Switchgear harness
2. Clip
3. Cable guide

23. Remove the right-hand handlebar end weight.

Note:

- **Prior to detaching the throttle cables from the twist grip, clearly identify the opening and closing cables so that they may be refitted in the correct position.**

24. Release the lock nut on both adjusters near the twist grip end of the cable.
25. Rotate the adjusters such that the inner cables have the maximum amount of free play.

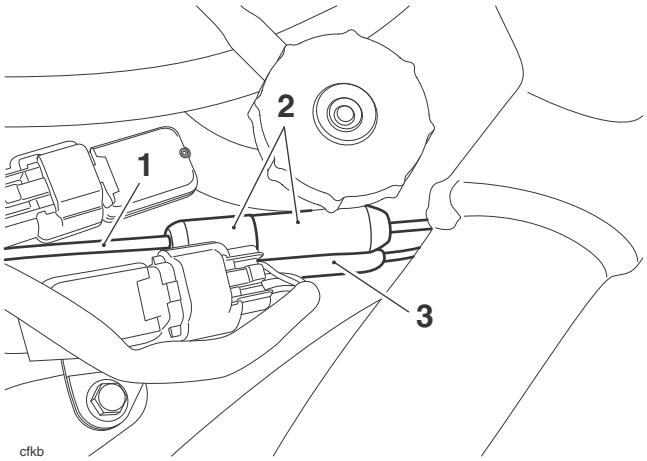


1. Adjusters
2. Lock nuts

Note:

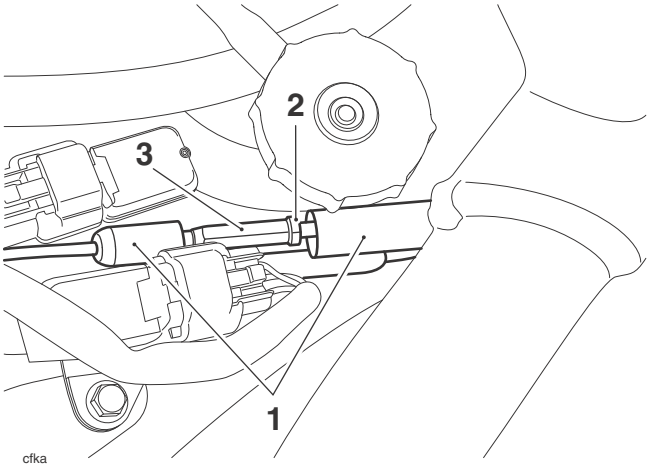
- **Do not loosen the throttle cables at the throttle bodies.**
- **The opening cable also has an in-line adjuster.**

26. From the twist grip, follow the routing of the opening cable to the in-line adjuster.



1. Opening cable
2. In-line adjuster protective covers
3. Closing cable

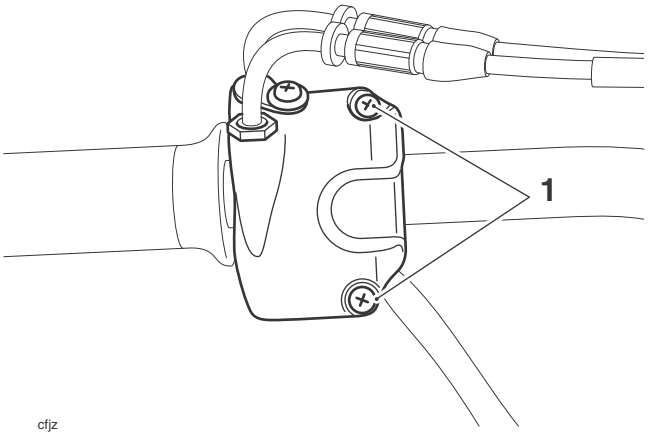
27. Slide the covers off the adjuster and release the lock nut.



1. Cover
2. Lock nut
3. Adjuster

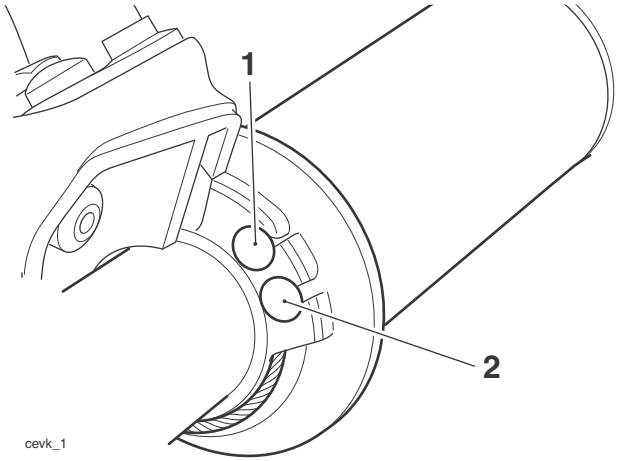
28. Rotate the adjuster such that the inner cable has the maximum amount of free play.

29. Remove the screws securing the right-hand switchgear assembly.



1. Screws

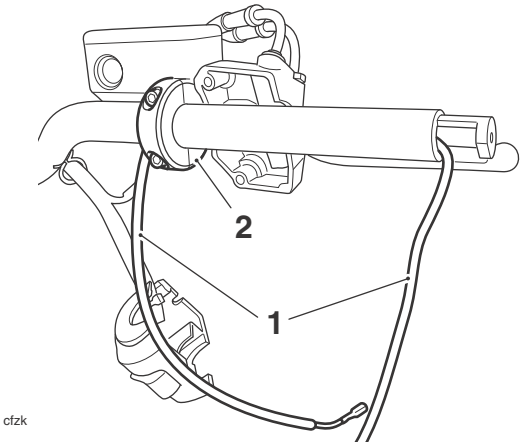
30. Ease the switchgear assembly away from the handlebar to allow space for the throttle cables to be detached. Detach the opening cable first then the closing cable.



1. Opening cable
2. Closing cable

31. Slide the twist grip off the handlebar.

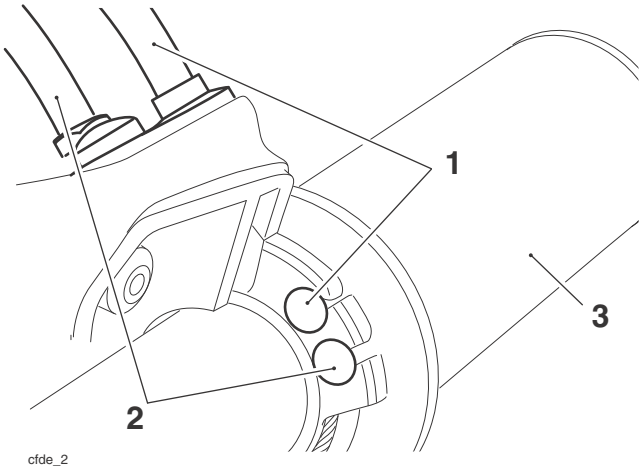
32. Locate the right-hand heated grip from the kit. Thread the wiring into the end of the handlebar and out through the hole located after the front brake master cylinder mounting.



1. Heated grips wiring
2. Master cylinder mounting

33. Slide the heated grip fully onto the handlebar. Ensure that the wiring is located in the cut out in the handlebar and cannot be trapped.

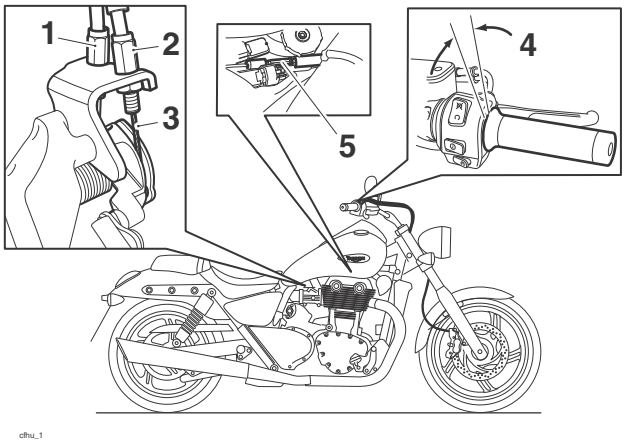
34. Engage the nipples of the throttle cables to the twist grip. Engage the closing cable first then the opening cable.



1. Opening cable
2. Closing cable
3. Twist grip

35. Fit the right-hand switchgear assembly to the handlebar. Engage the locating peg to the hole provided in the handlebar. Tighten the screws to **3 Nm**.

36. Adjust the throttle cable as follows:



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1. **Opening cable**
2. **Closing cable**
3. **Closing cable - free play measurement point**
4. **Opening cable - free play measurement point**
5. **Opening cable in-line adjuster**

Warning

Operation of the motorcycle with incorrectly adjusted, incorrectly routed or damaged throttle cables could interfere with the operation of the brakes, clutch or the throttle itself. Any of these conditions could result in loss of motorcycle control and an accident.

Warning

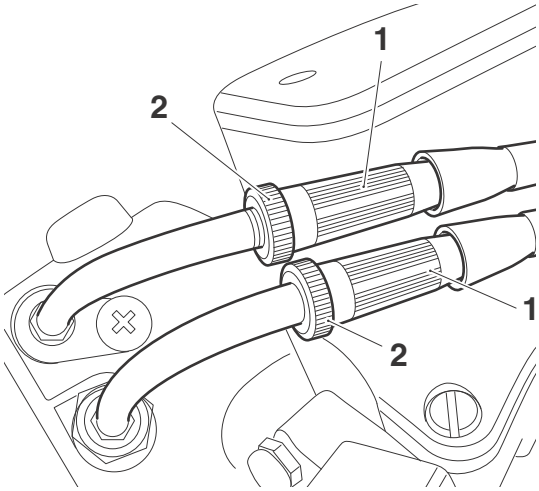
Move the handlebars to the left and right full lock while checking that cables and harness do not bind. A cable or harness that binds will restrict the steering and may cause loss of control and an accident.

Warning

Ensure that the adjuster lock nuts of both cables are tightened, as a loose lock nut could result in a sticking throttle.

An incorrectly adjusted, sticking or stuck throttle can lead to loss of motorcycle control and an accident.

37. Rotate both cable adjusters such that there is an equal amount of adjustment in each direction.



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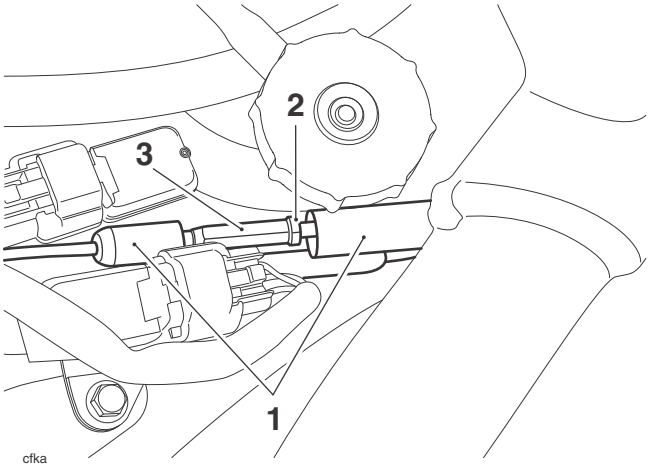
1. **Adjusters**
2. **Lock nuts**

38. Rotate the in-line adjuster on the opening cable to give 2 - 3 mm of play at the twist grip. Tighten the lock nut.



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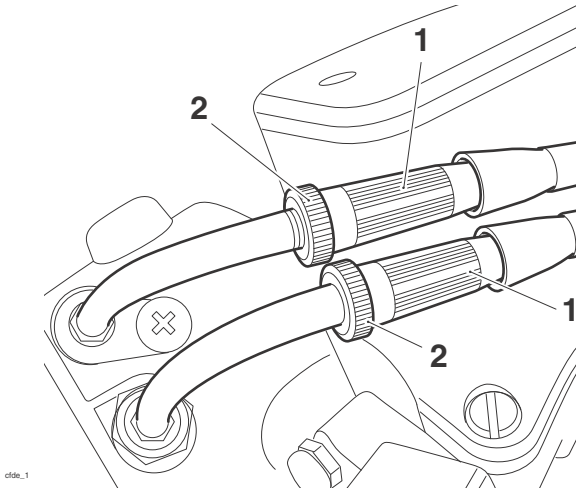
1. **Covers**
2. **Lock nut**
3. **Adjuster**

39. Refit the adjuster covers.

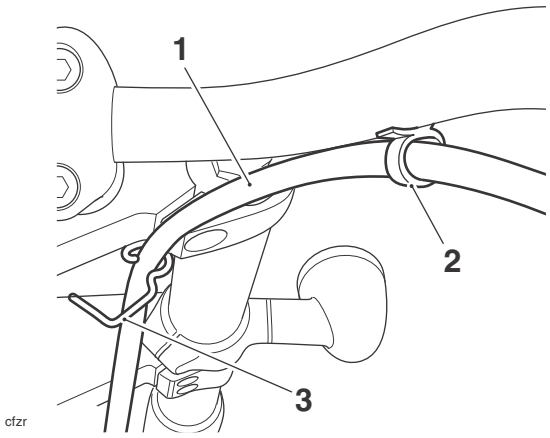
40. Make any minor adjustments to the opening cable as necessary to give 2 - 3 mm of free play using the adjuster near the twist grip end of the cable. Tighten the lock nut.

41. With the throttle fully closed, ensure that there is 2 - 3 mm of free play in the closing cable at the throttle cam. If necessary, rotate the adjuster for the closing cable near the twist grip end until 2 - 3 mm of play is present. Tighten the lock nut.



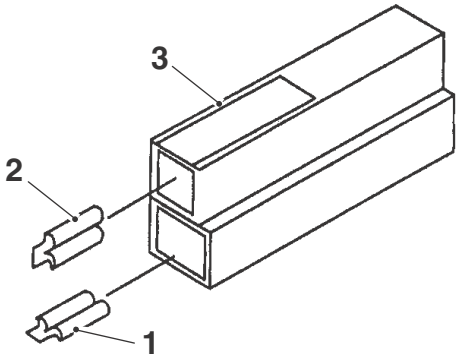
1. Adjusters
2. Lock nuts

42. Following the routing of the wiring harness for the right-hand switchgear, feed the heated grip harness through the cable guide and into the area under the fuel tank.
43. Using the harness clip from the kit, secure the harnesses to the handlebar.



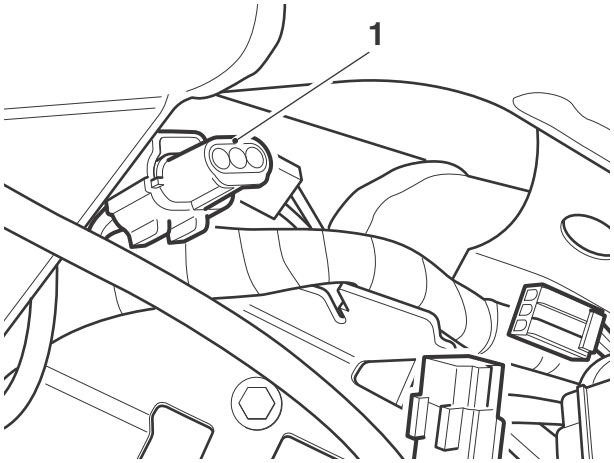
1. Switchgear harness
2. Clip
3. Cable guide

44. Attach the connector blocks from the kit to the left-hand and right-hand heated grip wiring as shown below. Ensure the correct orientation of the terminals.



1. Black terminal
2. Brown terminal
3. Connector block

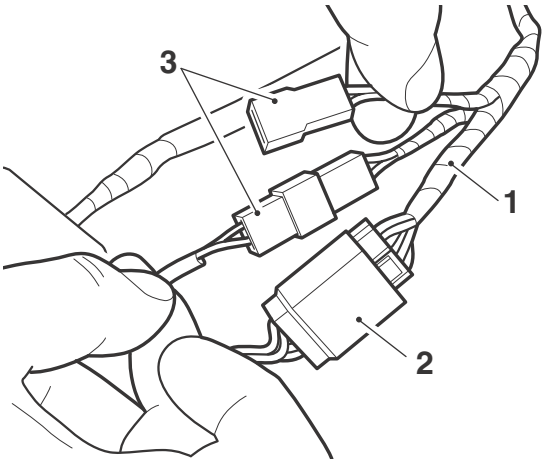
45. The main harness 3-pin connector for the heated grips is located under the fuel tank in the headstock area.



1. Heated grip connector, main harness

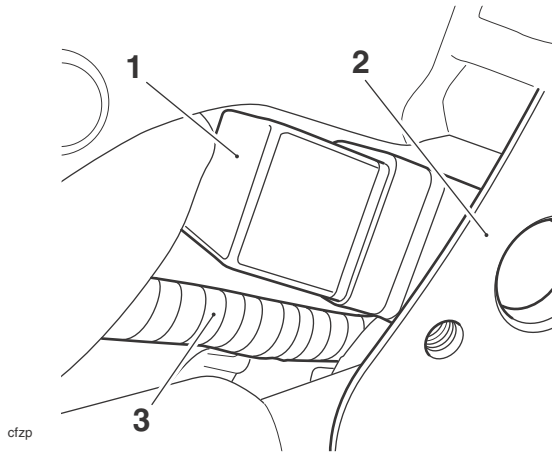
46. Remove the blanking plug from the main harness connector and connect the sub-harness from the kit.

47. Connect the heated grip switch connector and both heated grip connectors to the sub-harness.



1. **Sub-harness**
2. **Switch connector**
3. **Grip connectors**

48. Fit the relay from the kit to the relay connector on the sub-harness.
49. Position the relay next to the mounting bracket for the left-hand infill panel as shown below.



1. **Relay**
2. **Mounting bracket**
3. **Main harness**

Warning

When securing electrical cables with cable ties ensure the cable ties are fully tight. Ensure there is slack in the cables.

Failure to follow this warning may result in damage to the electrical cables which may lead to loss of motorcycle control and an accident.

50. Route the heated grip, switch and sub-harness alongside the existing wiring harness and secure with the cable ties provided.
51. Secure the relay to the harness with cable ties provided.
52. Refit both infill panels and tighten the original bolts to **7 Nm**.
53. Reconnect the battery, red (positive) lead first.
54. Refit the fuel tank, as described in the service manual.
55. Check that the throttle opens smoothly, without undue force and that it closes without sticking. Refer to the service manual and rectify if necessary.

Heated Grip Operation

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.

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.

Fuses

Models without ABS: Fuse number 6 protects the heated grips circuit, refer to the label in the fuse box lid for fuse amperage.

Models with ABS: Fuse number 7 protects the heated grips circuit, refer to the label in the fuse box lid for fuse amperage.

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 the new characteristics. Operation of the motorcycle when not familiar with any new handling characteristics may result in loss of motorcycle control and an accident.

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

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.