



Accessory Fitting Instructions

Cockpit Auxiliary Power Socket Kit	
Kit Number	Models Affected
A9820055	Bonneville T100 from VIN 759204 up to VIN AD4189 with Euro 4 engine ECM (see below), Bonneville T120 up to VIN AE2212 with Euro 4 engine ECM (see below), Bonneville T120 Black up to VIN AE3661 with Euro 4 engine ECM (see below)
A9820115	Bonneville T100 from VIN 759204 with Euro 4 or Euro 5 engine ECM (see below), Bonneville T120 Euro 4 or Euro 5 engine ECM (see below), Bonneville T120 Black Euro 4 or Euro 5 engine ECM (see below)

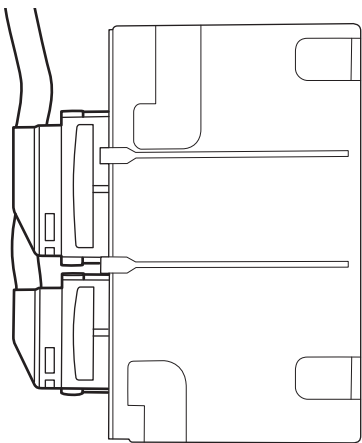
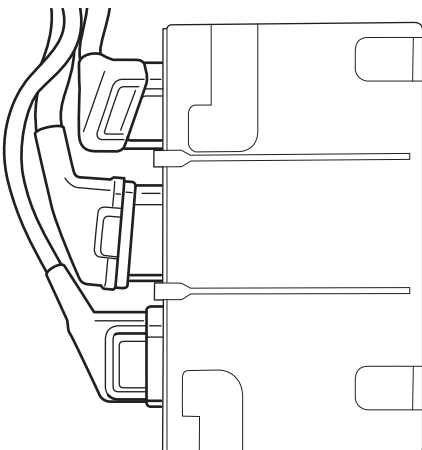
Thank you for choosing this Triumph genuine accessory kit. This accessory kit is the product of Triumph's use of proven engineering, exhaustive testing, and continuous striving for superior reliability, safety and performance.

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.

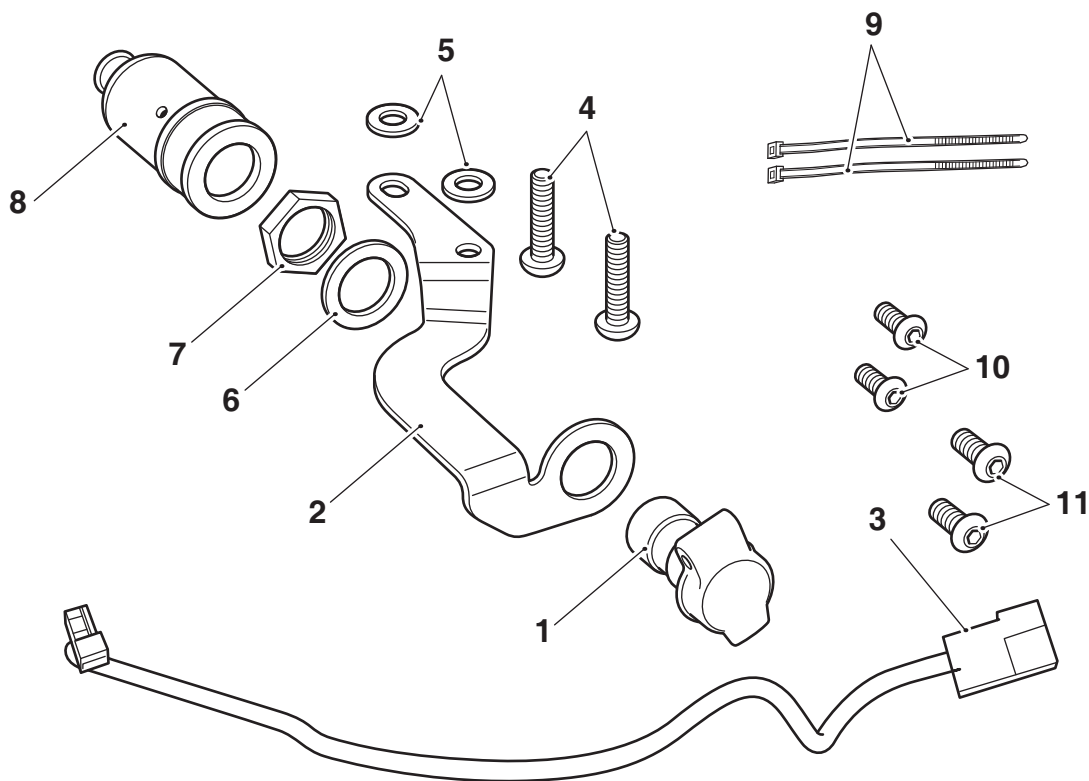
These instructions should be considered a permanent part of your accessory kit, and should remain with it even if your accessory equipped motorcycle is subsequently sold.

Note:

- The engine ECM is located under the seat.

Engine ECM Identification	
Euro 4 ECM	Euro 5 ECM
	
Two connectors	Three connectors

Parts Supplied



1. Socket, auxiliary power	1 off	7. Nut	1 off
2. Mounting bracket	1 off	8. Rubber cover	1 off
3. Wiring subharness	1 off	9. Cable tie	2 off
4. Fixing, M6 x 27 mm	2 off	10. Fixing, M5 x 12 mm	2 off
5. Washer, M6	2 off	11. Fixing, M6 x 12 mm (A9820115 only)	2 off
6. Plastic washer, M18	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 may result in 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 may result in loss of motorcycle control and an accident.



Warning

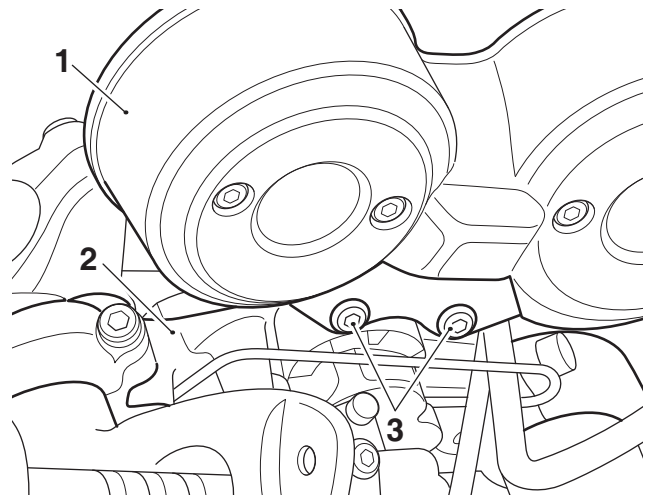
If the engine has recently been running, the exhaust system will be hot. Before working on or near the exhaust system, allow sufficient time for the system to cool, as touching any part of a hot exhaust could cause burn injuries.

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 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 headlight fixings as described in the Service Manual. Carefully lower the headlight and ensure it is supported. Retain the fixings for reuse.

5. Remove the instrument cluster from the top yoke. Discard the fixings. Ensure the instrument cluster is supported.

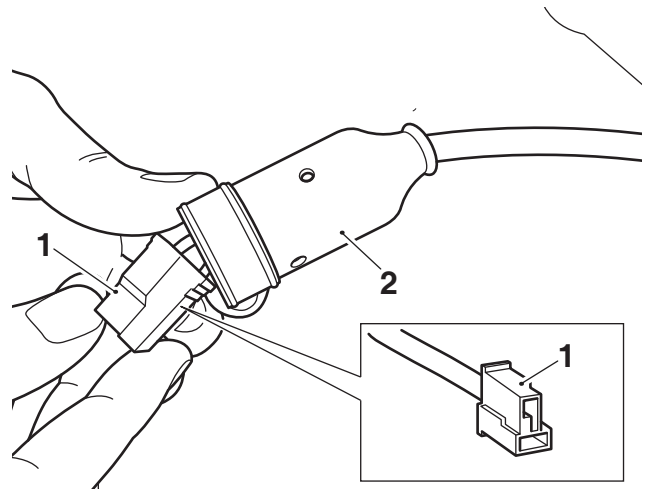


1. Instrument cluster

2. Top yoke

3. Fixings

6. Collect the wiring subharness and rubber cover from the kit.
7. Feed the auxiliary power socket connector on the subharness through the rubber cover, as shown.

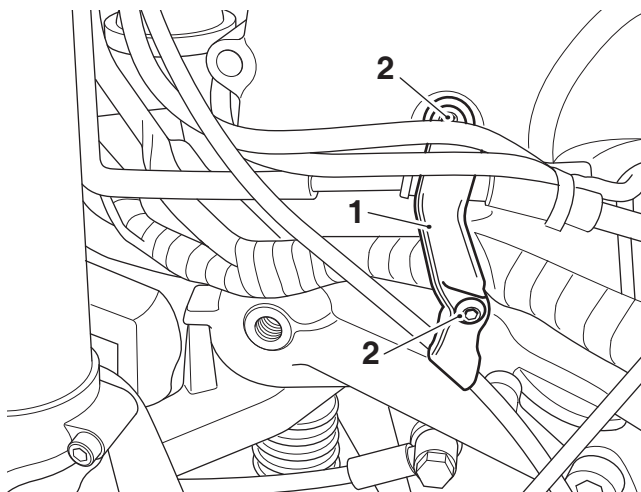


1. Auxiliary power socket connector

2. Rubber cover

Bonneville T100 from VIN 759204 up to VIN AD4189 with Euro 4 engine ECM, Bonneville T120 up to VIN AE2212 with Euro 4 engine ECM, Bonneville T120 Black up to VIN AE3661 with Euro 4 engine ECM Models Only

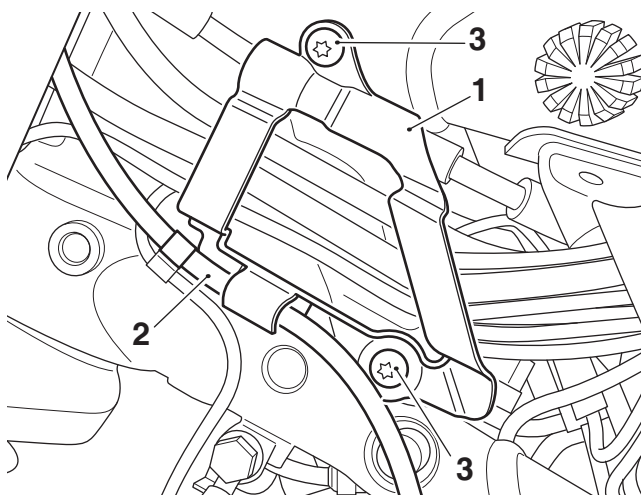
8. Remove the cable guide from the left hand side of the motorcycle. Retain the cable guide for reuse, discard the fixings.



1. Cable guide
2. Fixing

Bonneville T100 from VIN AC5927 with Euro 5 engine ECM, Bonneville T120 from VIN AC6130 with Euro 5 engine ECM, Bonneville T120 Black from VIN AD0139 with Euro 5 engine ECM Models Only

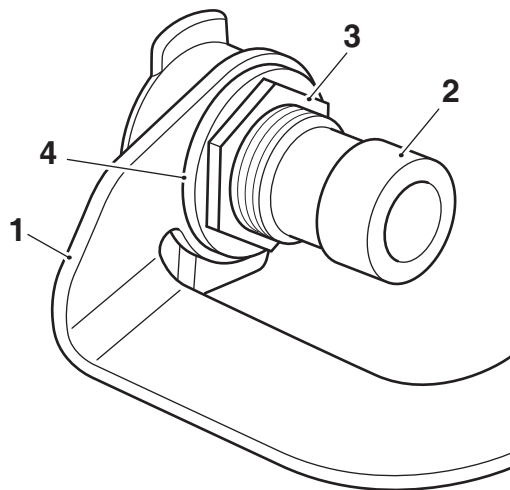
9. Remove the front cable guide from the left hand side of the motorcycle. Retain the cable guide for reuse, discard the fixings.



1. Cable guide
2. Clutch cable
3. Fixings

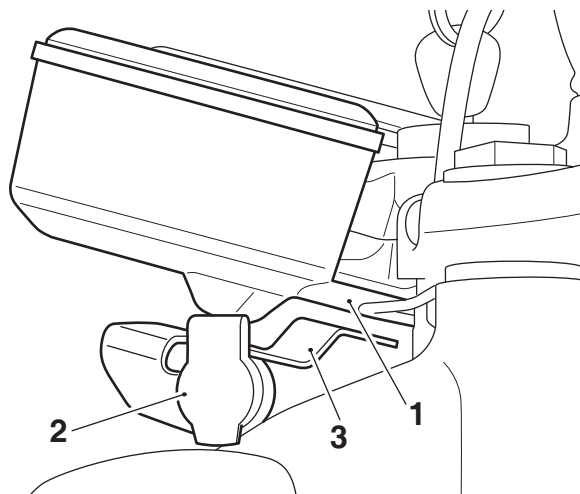
All Models

10. Collect the auxiliary power socket from the kit and remove the large nut from the socket. Retain the nut for reuse.
11. Fit the auxiliary power socket into the mounting bracket in the orientation shown. Fit the plastic washer and secure with the large auxiliary power socket nut. Tighten the nut to 5 Nm.



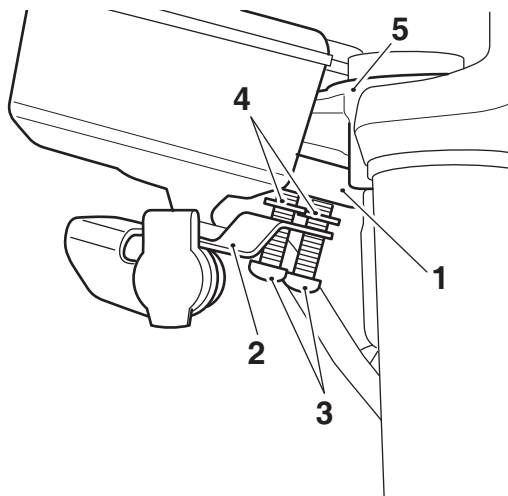
1. Mounting bracket
2. Auxiliary power socket
3. Auxiliary power socket nut
4. Plastic washer, M18

12. Locate the auxiliary power socket and mounting bracket below the instrument cluster mounting in the orientation shown.



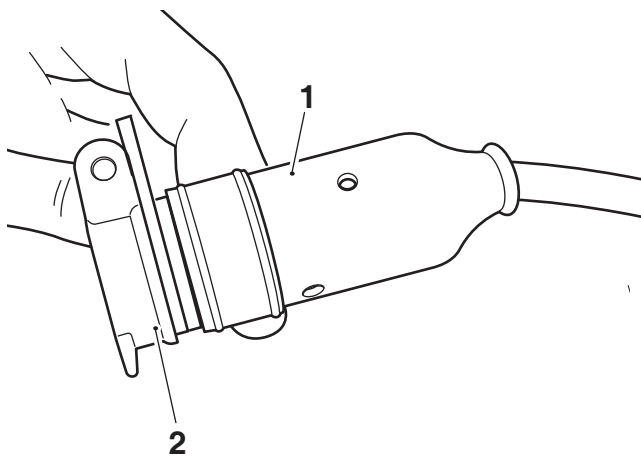
1. Instrument cluster mounting
2. Auxiliary power socket
3. Auxiliary power socket mounting bracket

13. Fit the two M6 x 27 mm fixings, with the M6 washers positioned as shown, to attach the instrument cluster mounting and auxiliary power socket bracket to the underside of the top yoke. Tighten the fixings to **8 Nm**.



- 1. Instrument cluster mounting
- 2. Auxiliary power socket mounting bracket
- 3. Fixing, M6 x 27 mm
- 4. Washer, M6
- 5. Top yoke

14. Connect the subharness auxiliary power socket connector to the auxiliary power socket.
15. Slide the rubber cover over the rear of the auxiliary power socket, as shown below.



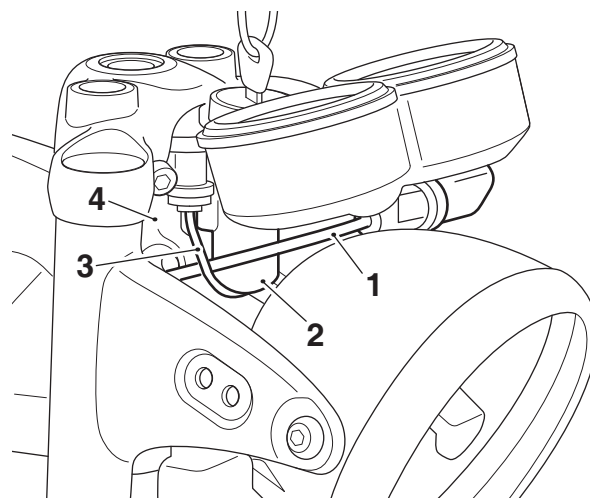
- 1. Rubber cover
- 2. Auxiliary power socket



Caution

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

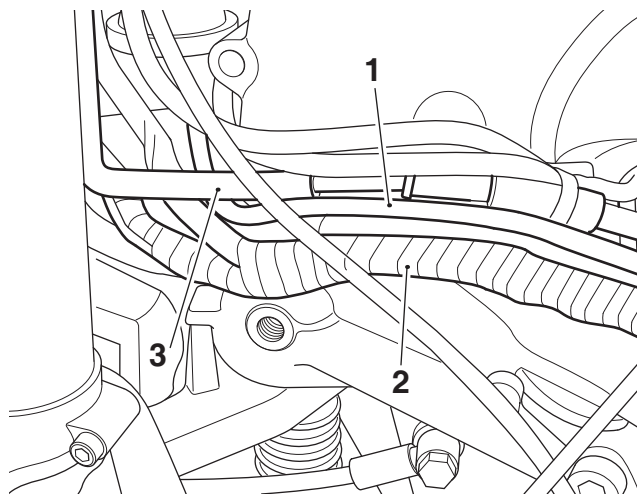
16. Route the auxiliary power socket subharness behind the instrument wiring harness and between the twist grip position sensor harness and ignition lock barrel, through the headstock to the left hand side of the motorcycle, as shown.



(Headlight shown fitted for clarity)

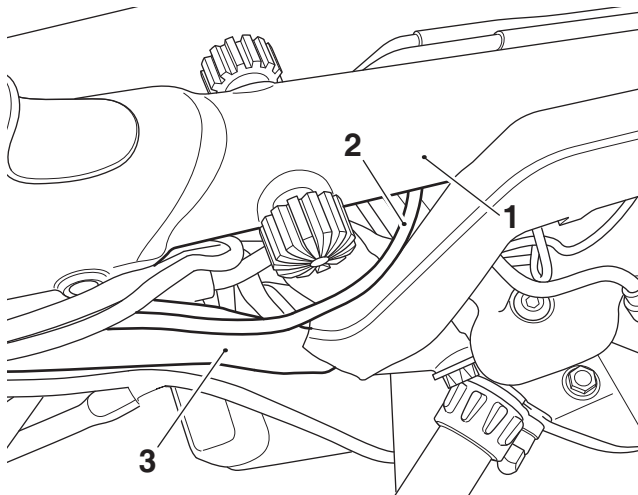
- 1. Auxiliary power socket subharness
- 2. Ignition lock barrel
- 3. Twist grip position sensor harness
- 4. Headstock

17. Route the auxiliary power socket subharness under the brake line and along the top of the main wiring harness on the left hand side of the motorcycle.



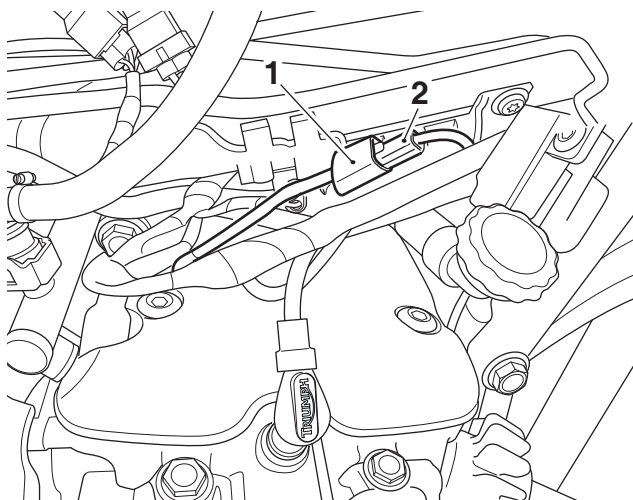
- 1. Auxiliary power socket subharness
- 2. Main wiring harness
- 3. Brake line

18. Feed the subharness under the frame into the area below the fuel tank, as shown.



- 1. Motorcycle frame
- 2. Auxiliary power socket subharness
- 3. Main wiring harness

19. Locate the main wiring harness auxiliary power socket connector in the area under the fuel tank. Release the auxiliary power socket connector from the main wiring harness and remove the shrink wrap. Connect the auxiliary power socket subharness connector to the main wiring harness connector.



- 1. Auxiliary power socket connector, main wiring harness
- 2. Auxiliary power socket connector, subharness



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 result in loss of motorcycle control and an accident.

20. Check that there is sufficient slack in the subharness available to allow the handlebars to be turned from left to right full lock positions.



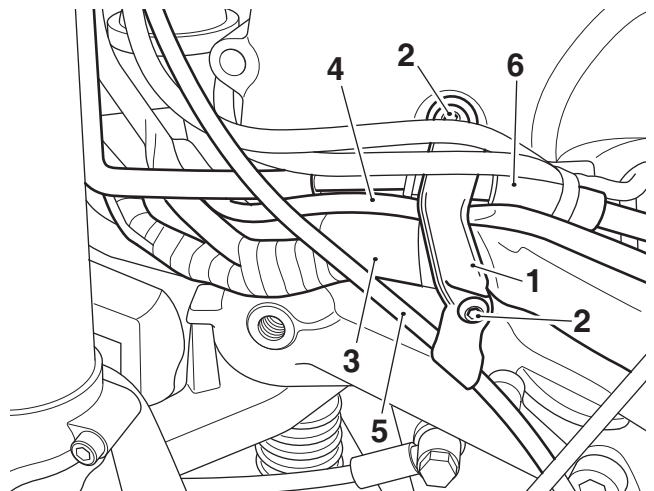
Caution

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

21. Check the routing of the auxiliary socket subharness and ensure the harness is not kinked at any point from the auxiliary power socket to the area below the fuel tank. Ensure any bends in the harness follow a smooth curve.

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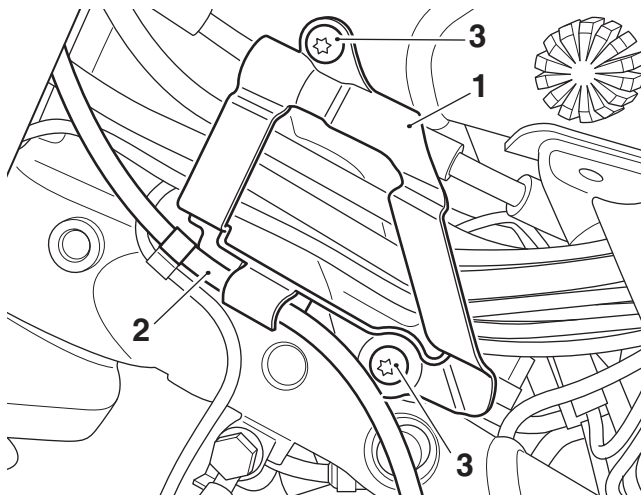
22. Refit the cable guide to secure the main wiring harness, subharness, clutch cable and brake line, as shown. Fit the two M5 x 12 mm fixings from the kit and tighten to **1.5 Nm**. Discard the M6 x 12 mm fixings.



- 1. Cable guide
- 2. Fixing, M5 x 12 mm
- 3. Main wiring harness
- 4. Auxiliary power socket subharness
- 5. Clutch cable
- 6. Brake line

Bonneville T100 from VIN AC5927 with Euro 5 engine ECM, Bonneville T120 from VIN AC6130 with Euro 5 engine ECM, Bonneville T120 Black from VIN AD0139 with Euro 5 engine ECM Models Only

23. Refit the cable guide to secure the main wiring harness, subharness, clutch cable and brake line, as shown. Fit the two M6 x 12 mm fixings from the kit and tighten to **3 Nm**. Discard the M5 x 12 mm fixings.



1. Cable guide
2. Clutch cable
3. Fixings, M6 x 12 mm

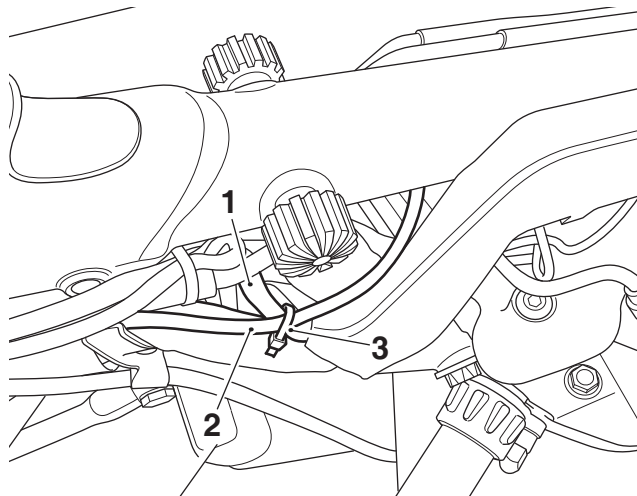
All Models



Caution

When securing electrical cable ties ensure that there is enough slack in the cables to allow for cable movement. Over-tightening of the cables may result in wiring harness damage and electrical malfunctions.

24. Using a cable tie provided secure the auxiliary power socket subharness to the main wiring harness before it passes under the motorcycle frame, as shown.

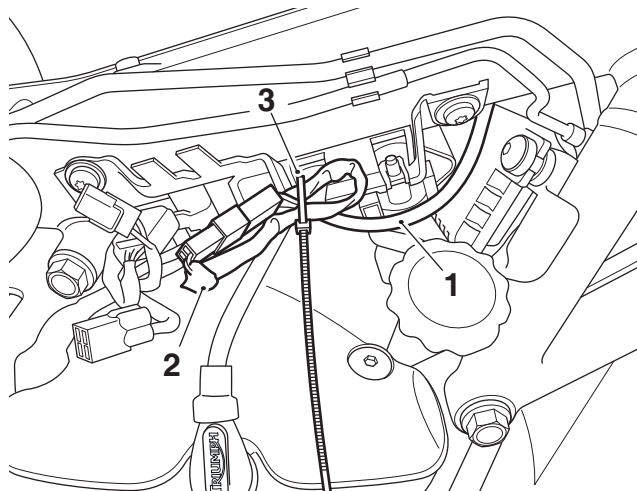


1. Main wiring harness
2. Auxiliary power socket subharness
3. Cable tie

Note:

- When securing the auxiliary power socket and main wiring harness to the motorcycle frame with a cable tie ensure the spark plug lead is not retained by the cable tie.

25. Ensure any excess auxiliary power socket subharness wiring and the main wiring harness are attached tidily to the motorcycle frame with a cable tie from the kit, as shown.



1. Auxiliary power socket subharness
2. Main wiring harness
3. Cable tie



Warning

When cutting cable ties, always use the correct tools and personal protection equipment. Failure to use these may result in personal injury.

26. Trim off any excess cable tie material.
27. Refit the headlight with the original fixings, as described in the Service Manual.
28. Refit the fuel tank, as described in the Service Manual.
29. Reconnect the battery, positive (red) lead first and tighten the battery terminals to **4.5 Nm**.
30. Refit the seat, as described in the Service Manual.

Power Supply

Note:

- **The auxiliary power socket provides a continuous 12 Volt power supply regardless of the ignition being switched on or off. Use of the auxiliary socket with the ignition switched off will drain the motorcycle battery.**

The auxiliary power socket will provide a 12 Volt electrical supply.

The auxiliary power socket is protected by a 5 Amp fuse, therefore items with a current draw greater than 5 Amps (60 Watts) must not be plugged in to the auxiliary power socket.

Refer to the Service Manual for the fuse location.



Warning

When connecting any electrical device to the auxiliary power socket ensure the wiring of the device is routed correctly and cannot contact any hot surfaces of the motorcycle or interfere with any of the motorcycle controls. Contact with a hot surface may result in wiring harness damage and electrical malfunctions. Any interference with the motorcycle controls may result in loss of motorcycle control and an accident.



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 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 result in 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 result in loss of motorcycle control and an accident.