



Accessory Fitting Instructions

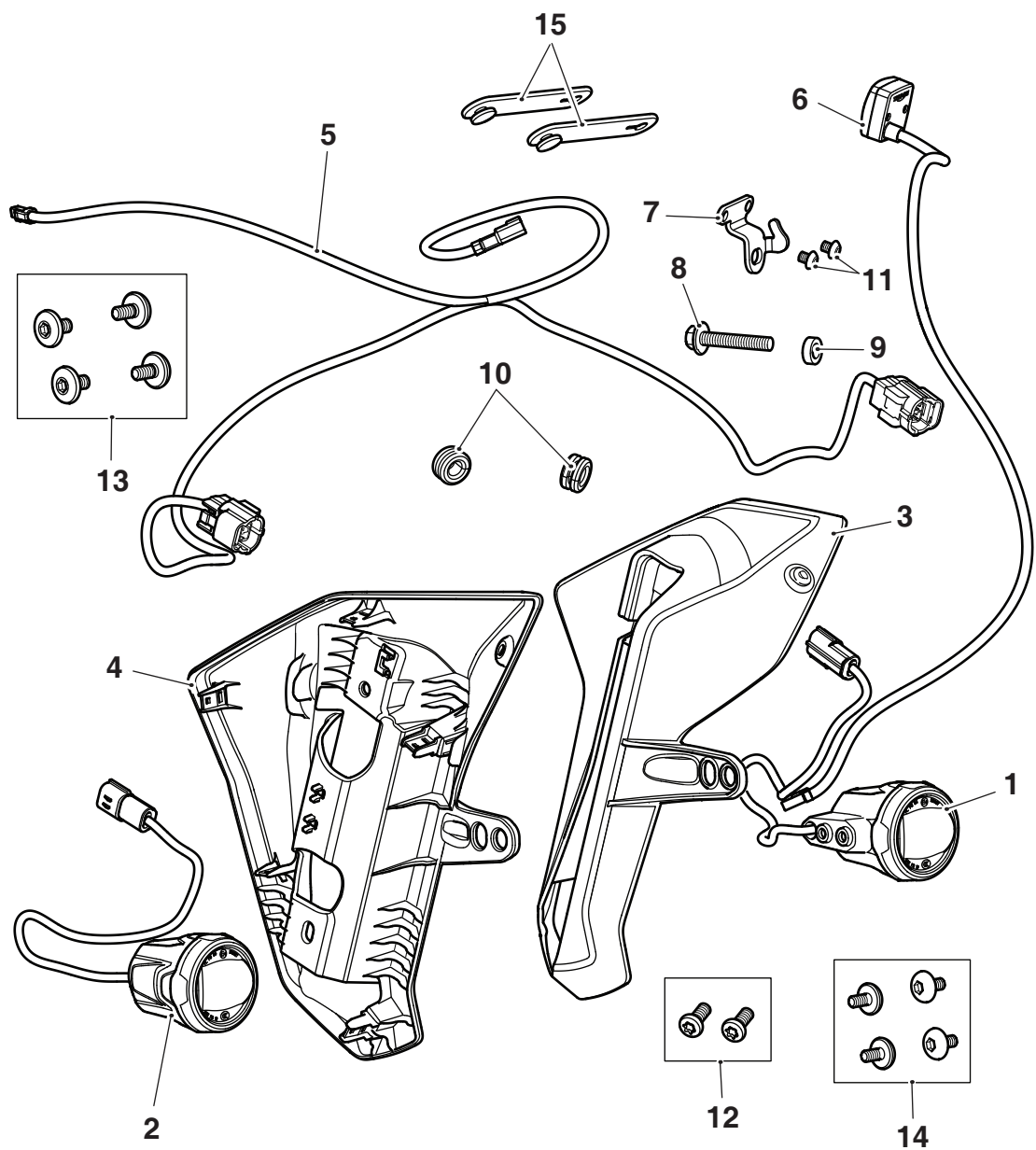
LED Fog Light Kit	
Kit Number	Models Affected
A9830207	Tiger Sport from VIN AU7774

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.	Fog light, LED, left hand	1 off	9.	Spacer, M6	1 off
2.	Fog light, LED, right hand	1 off	10.	Split grommet	2 off
3.	Inner radiator panel, left hand	1 off	11.	Fixing, M4 x 5 mm	2 off
4.	Inner radiator panel, right hand	1 off	12.	Fixing, M5 x 12 mm encapsulated	2 off
5.	Subharness	1 off	13.	Fixing, M6 x 12 mm	4 off
6.	Switch	1 off	14.	Fixing, M5 x 10 mm	4 off
7.	Mounting bracket	1 off	15.	Rubber strap	2 off
8.	Fixing, M6 x 30 mm	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

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

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

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.



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 or contact your authorised Triumph dealer.**

Notice

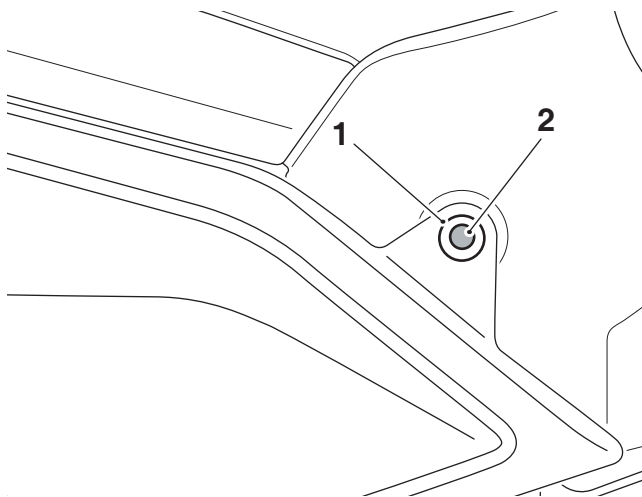
US market only. These fog lights operate independently of the headlamp. Some states prohibit this functionality; you must check your local law before fitment.

Never fit these fog lights to any motorcycle registered in any state that prohibits this functionality.

1. Remove the seat, as described in the Service Manual.
2. Disconnect the battery, as described in the Service Manual.

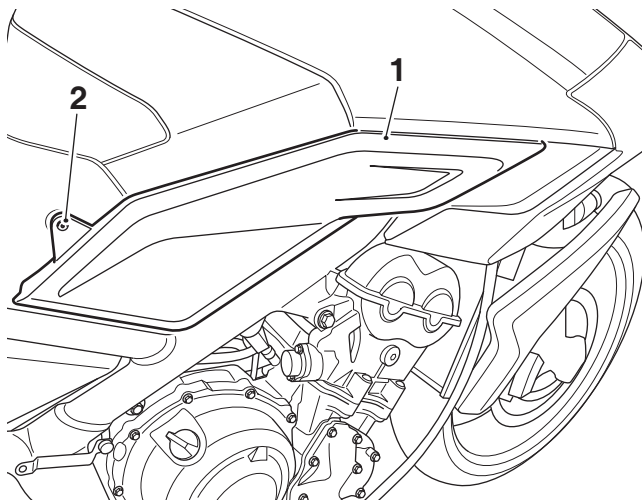
Note:

- Plastic scrivets are used throughout the motorcycle to retain infill panels, mouldings and body panels.
- To release a scrivet carefully press the centre section of the scrivet head in.



1. Scrivet head
2. Centre section

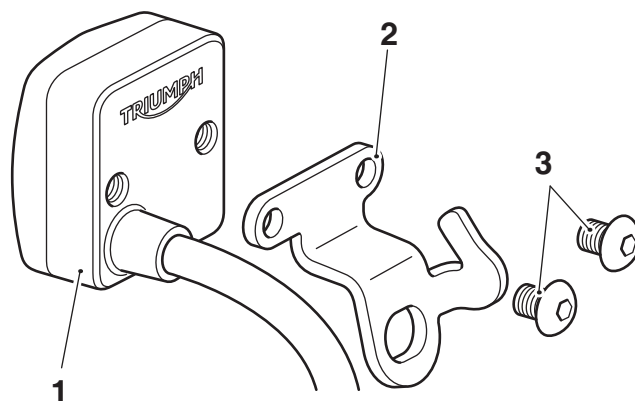
3. Remove the right hand side panel to allow access to the main wiring harness fog light connector. Retain the scrivet fixing for reuse.



1. Side panel, right hand side
2. Scrivet fixing

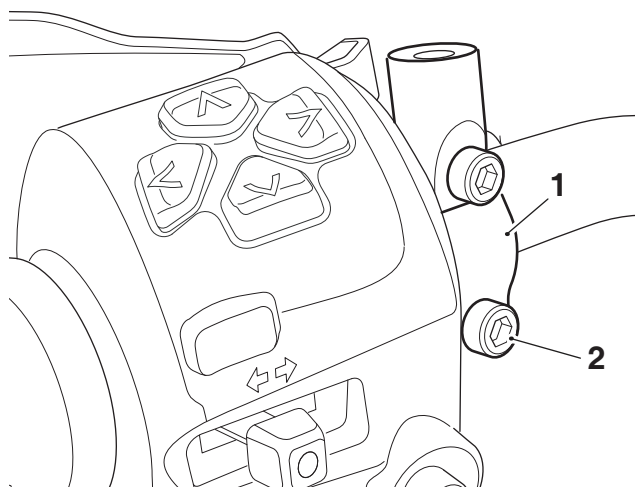
4. Collect the switch, mounting bracket, two M4 x 5 mm fixings, M6 x 30 mm fixing and spacer from the kit.

5. Fit the mounting bracket to the rear of the switch, in the orientation shown, and secure with the two M4 x 5 mm fixings. Tighten the fixings to **3 Nm**.



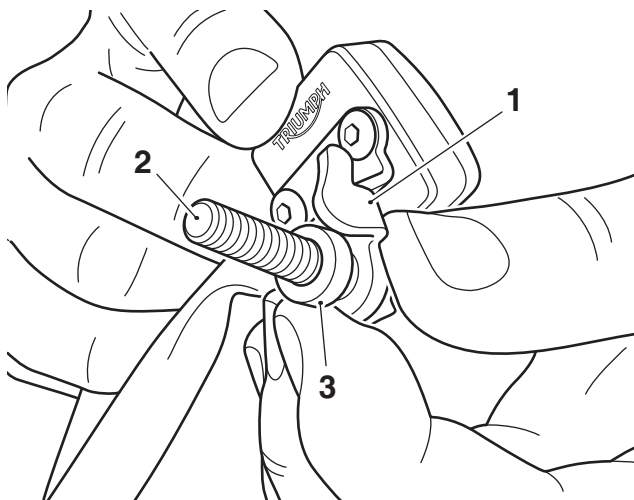
1. Switch
2. Mounting bracket
3. Fixings, M4 x 5 mm

6. Remove the lower clutch lever clamp fixing. Retain the fixing for reuse if the motorcycle is to be returned to its original condition.



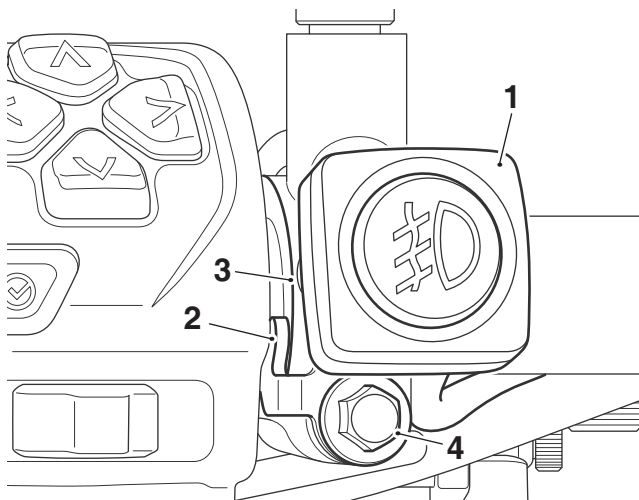
1. Clutch lever clamp
2. Lower fixing

7. Fit the M6 x 30 mm fixing through the mounting bracket, then fit the spacer on to the fixing, as shown.



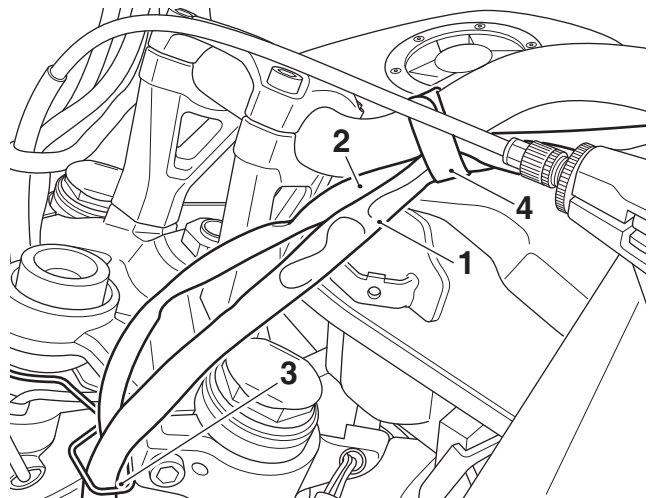
1. Mounting bracket
2. Fixing, M6 x 30 mm
3. Spacer

8. Position the switch assembly on the clutch lever clamp fitting the M6 x 30 mm fixing in to the clamp lower fixing position. Make sure the switch mounting bracket anti-rotation feature is positioned against the clutch lever clamp as shown. Tighten the fixing to **9 Nm**.



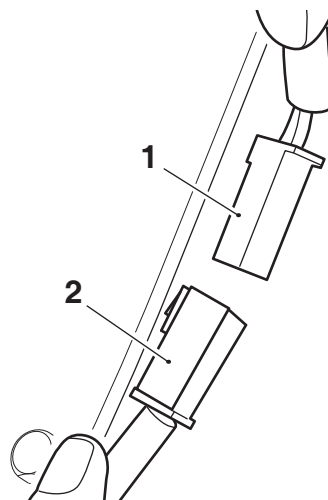
1. Switch assembly
2. Mounting bracket anti-rotation feature
3. Clutch lever clamp
4. Fixing, M6 x 30 mm

9. Route the fog light switch harness along the left hand switch housing harness through the wire cable guide. Secure the fog light harness to the switch housing harness with a rubber strap from the kit.



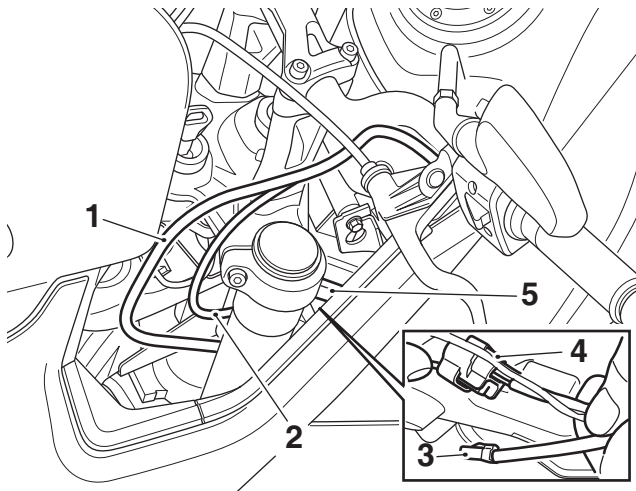
1. Switch housing harness left hand
2. Fog light switch harness
3. Wire cable guide
4. Rubber strap

10. Collect the subharness from the kit.
11. Connect the fog light switch harness connector to the white connector on the subharness.

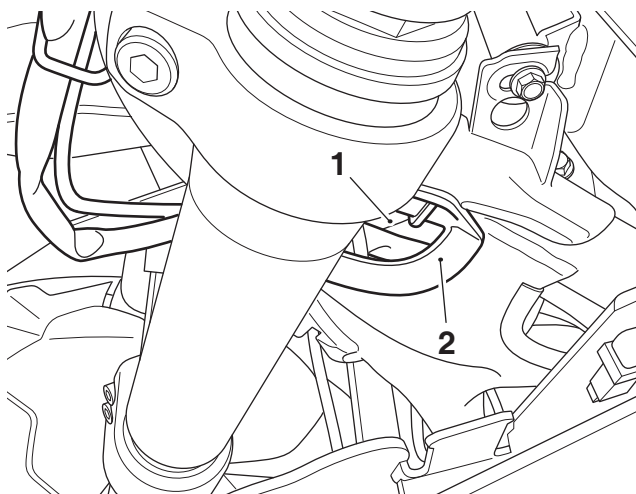


1. Fog light harness connector
2. Subharness connector

12. Route the main wiring harness connector and two fog light connectors on the fog light subharness following the left hand switch harness towards the front opening of the headstock.

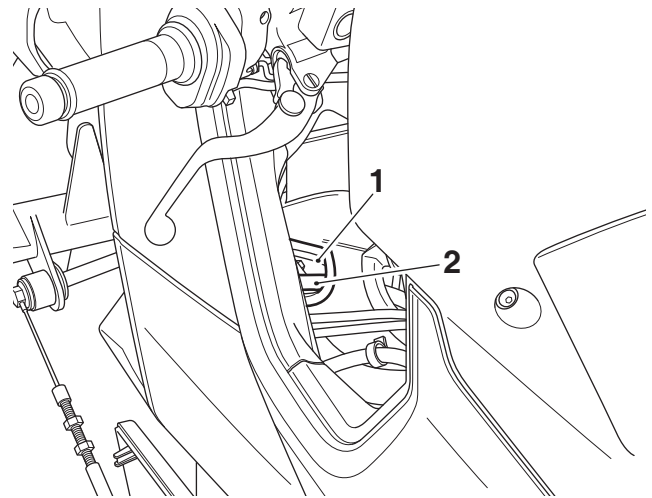


1. Switch housing harness left hand
 2. Subharness
 3. Subharness main wiring harness connector
 4. Subharness fog light connectors
 5. Headstock front opening, left hand side
13. Route the fog light subharness and connectors in to the left hand side front opening of the headstock



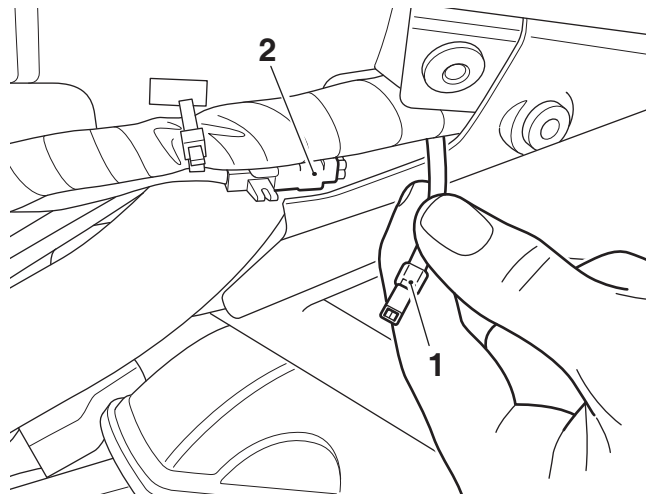
1. Subharness
2. Headstock front opening, left hand side

14. Route the main wiring harness connector on the fog light subharness out through the right hand side rear headstock opening.



1. Rear headstock opening, right hand side
2. Foglight subharness (main wiring harness connector)

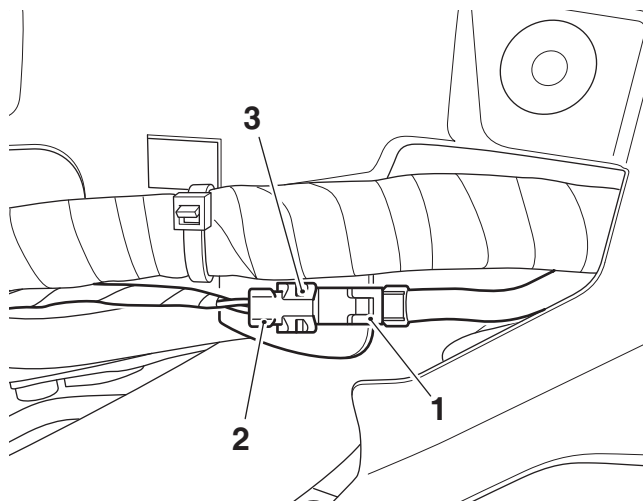
15. Route the main wiring harness connector on the fog light subharness through the bodywork to the fog light main wiring harness connector, which is located in the area exposed with the right hand side panel removed.



1. Fog light subharness connector
2. Main wiring harness connector

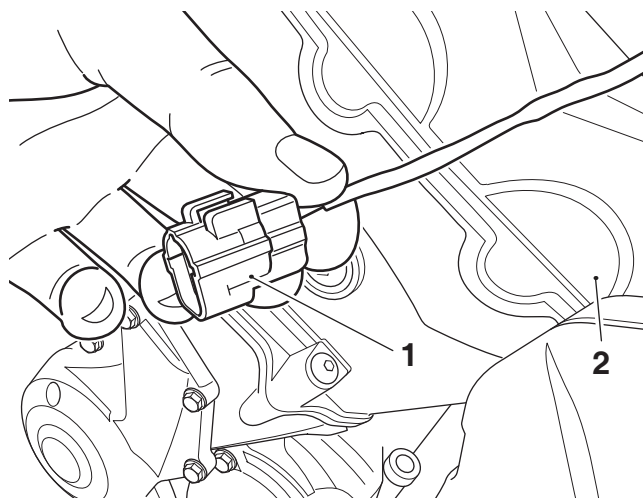
16. Remove the blanking plug from the main wiring harness connector. Retain the blanking plug for reuse if the motorcycle is to be returned to its original condition.

17. Connect the fog light subharness connector to the main wiring harness connector. Make sure the main wiring harness connector is secured in the retaining clip on the body panel.



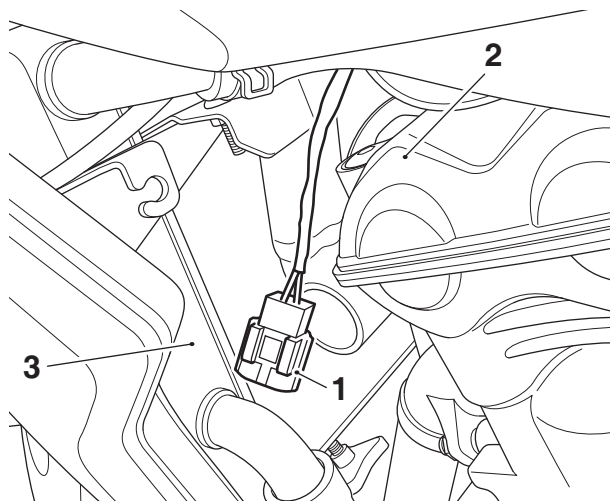
- 1. Fog light subharness connector
- 2. Main wiring harness connector
- 3. Retaining clip

18. Route one of the fog light connectors on the subharness past the headstock down towards the cylinder head, and out to the rear of the radiator on the right hand side of the motorcycle.



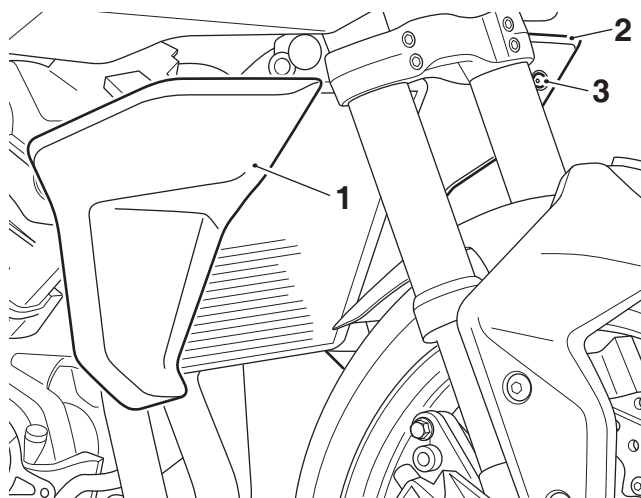
- 1. Subharness fog light connector
- 2. Cylinder head

19. Route the second fog light connector on the subharness down towards the cylinder head, and out to the rear of the radiator on the left hand side of the motorcycle.



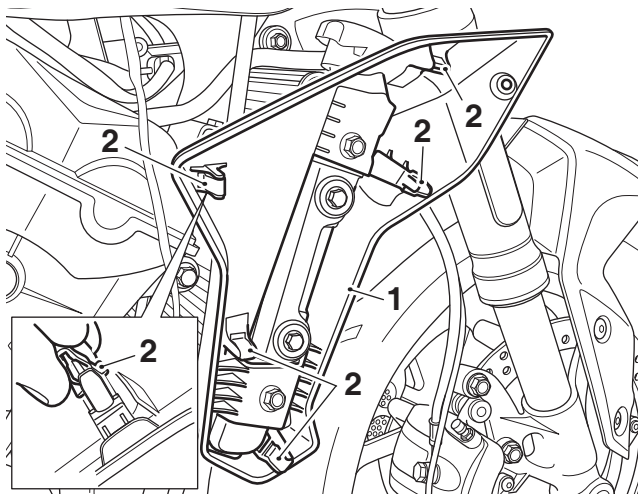
- 1. Subharness fog light connector
- 2. Cylinder head
- 3. Radiator

20. Remove the right hand and left hand radiator body panels. Retain the body panels for reuse, discard the fixings.



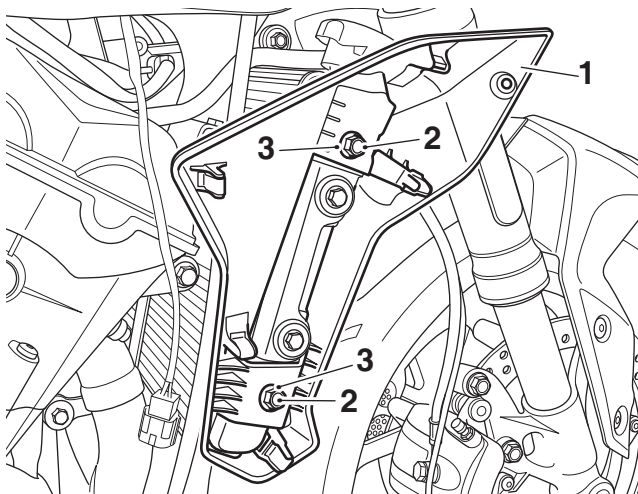
- 1. Radiator body panel, right hand
- 2. Radiator body panel, left hand
- 3. Fixings, left hand side shown

21. Carefully remove the five plastic retaining clips from both the left hand and right hand inner radiator panels. Retain the clips for reuse.



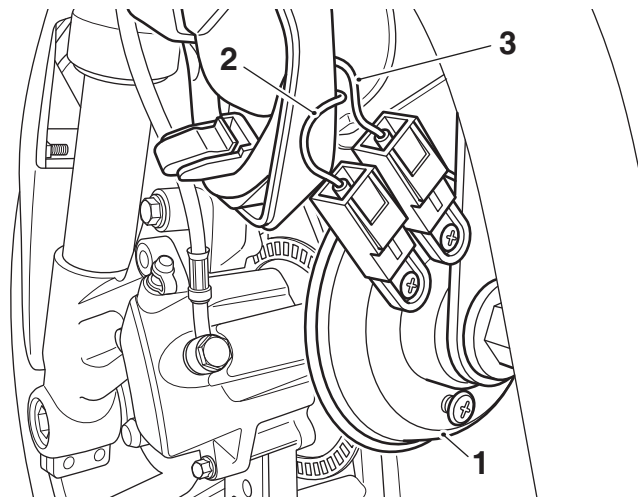
1. Inner radiator panel, right hand side shown
2. Plastic retaining clips

22. Remove the right hand inner radiator panel. Retain the radiator panel, fixings, and compression limiters for reuse if the motorcycle is to be returned to its original condition.



1. Inner radiator panel, right hand
2. Fixings
3. Compression limiters

23. Disconnect the horn noting the position of the positive and negative connections.

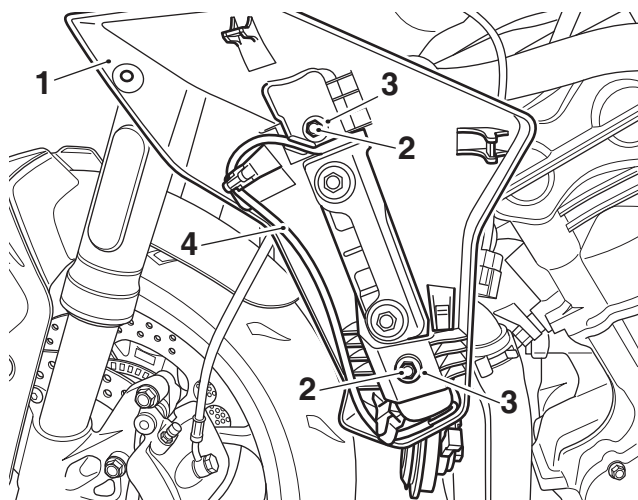


1. Horn
2. Positive connector (red wire)
3. Negative connector (black wire)

Note:

- Before removing the left hand inner radiator panel note the routing of the horn harness for reference when fitting the accessory radiator panel.

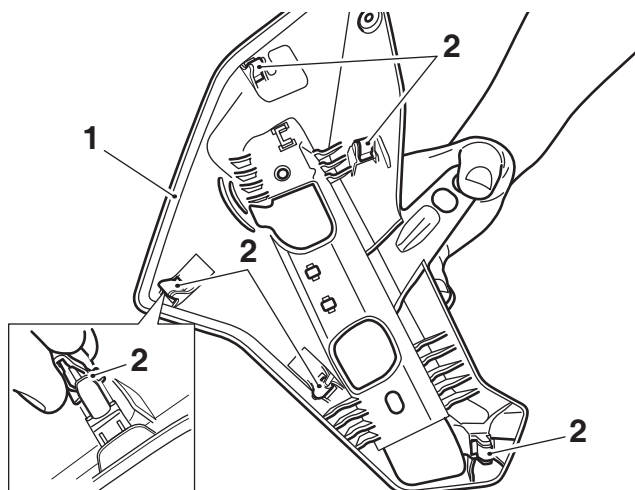
24. Remove the left hand inner radiator panel. Retain the radiator panel, fixings, and compression limiters for reuse if the motorcycle is to be returned to its original condition.



1. Inner radiator panel
2. Fixings
3. Compression limiters
4. Horn harness

25. Collect the left hand and right hand inner radiator panels from the kit.

26. Carefully fit the original plastic retaining clips to both the left hand and right hand accessory inner radiator panels. Retain the clips for reuse.

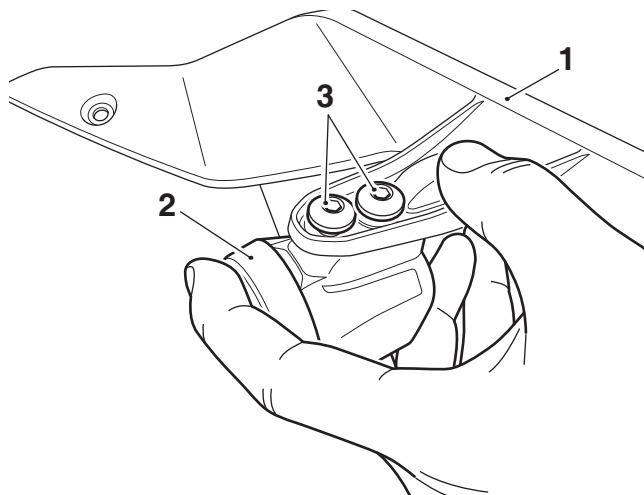


1. Inner radiator panel, right hand shown
2. Plastic retaining clips

27. Collect the left hand and right hand fog lights and four M5 x 10 mm fixings from the kit.

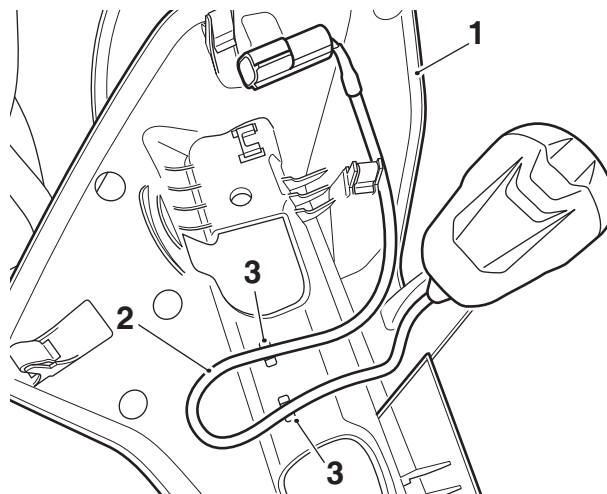
Note:

- **Make sure the correct fog light is selected for the left hand and right hand side. The text on the light lens should be orientated correctly for both fog lights when fitted to the motorcycle.**
28. Fit the fog lights to the left hand and right hand inner radiator panels with the M5 x 10 mm fixings, in the orientation shown. Do not fully tighten the fixings at this stage.



1. Inner radiator panel, right hand shown
2. Fog light
3. Fixings, M5 x 10 mm

29. Route the fog light harnesses around the inner radiator panels as shown, making sure the harness is secured to the retaining features on the radiator panels.



1. Inner radiator panel, right hand shown
2. Fog light harness
3. Retaining features



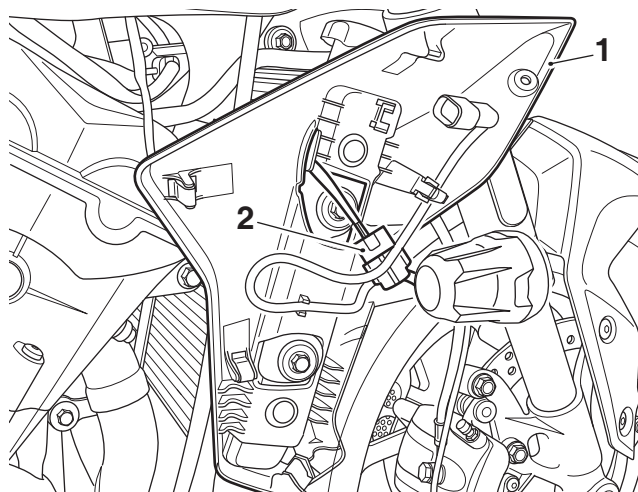
Caution

When fitting the radiator infill panels make sure no cables or harnesses can be trapped by the infill panels.

Failure to observe this caution may result in short circuits, a burnt out wiring harness and the possibility of fire.

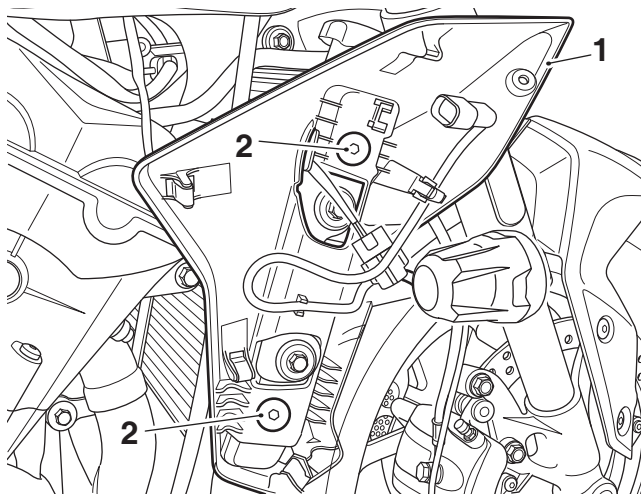
Right Hand Side

30. Route the fog light subharness connector through the upper opening in the inner radiator panel, as shown.



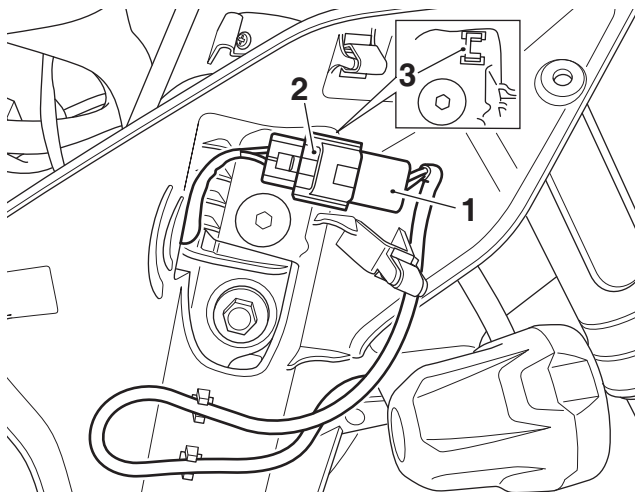
1. Inner radiator panel
2. Fog light subharness connector

31. Fit the inner radiator panel to the radiator with two M6 x 12 mm fixings from the kit, as shown. Tighten the fixings to **9 Nm**.



1. Inner radiator panel
2. Fixings, M6 x 12 mm

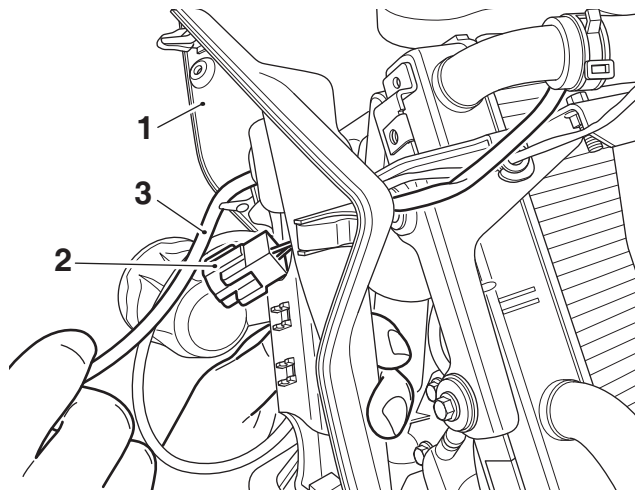
32. Connect the fog light harness connector to the fog light subharness connector and clip the connectors to the retaining feature on the inner radiator panel.



1. Fog light harness connector
2. Fog light subharness connector
3. Retaining feature

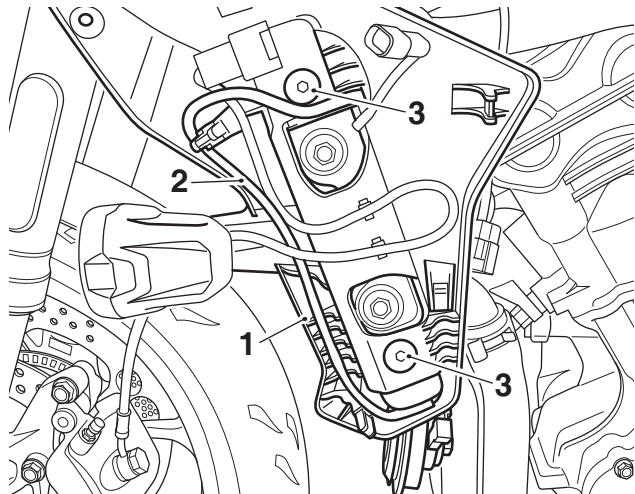
Left Hand Side

33. Route the fog light subharness connector and horn harness through the upper opening in the inner radiator panel, as shown.



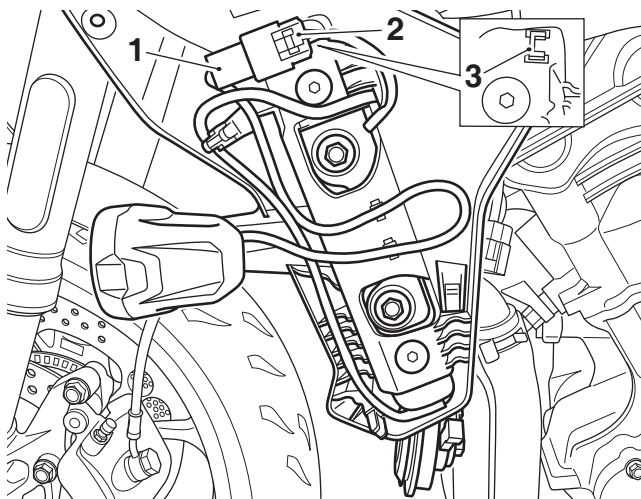
1. Inner radiator panel
2. Fog light subharness connector
3. Horn harness

34. Fit the radiator infill panel to the radiator with two M6 x 12 mm fixings from the kit, as shown. Tighten the fixings to **9 Nm**. Make sure the horn harness is routed around the inner radiator panel as shown and out through the bottom opening in the panel towards the horn.



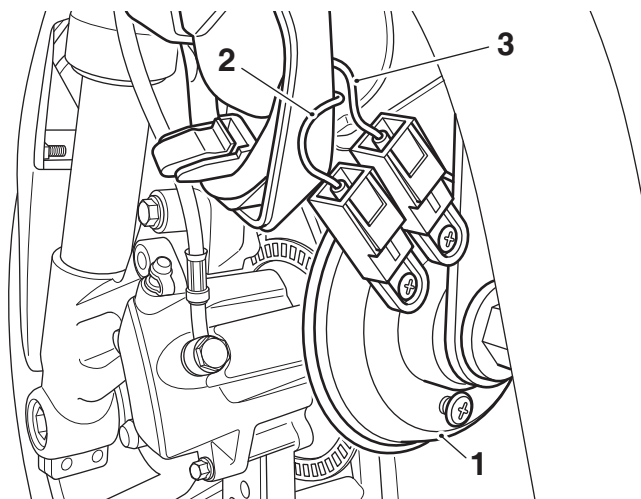
1. Inner radiator panel
2. Horn harness
3. Fixings, M6 x 12 mm

35. Connect the fog light harness connector to the fog light subharness connector and clip the connectors to the retaining feature on the inner radiator panel.



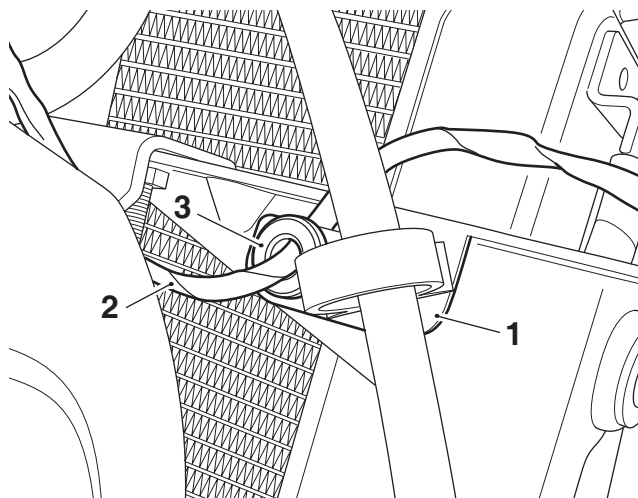
- 1. Fog light harness connector
- 2. Fog light subharness connector
- 3. Retaining feature

36. Reconnect the horn, as shown below.



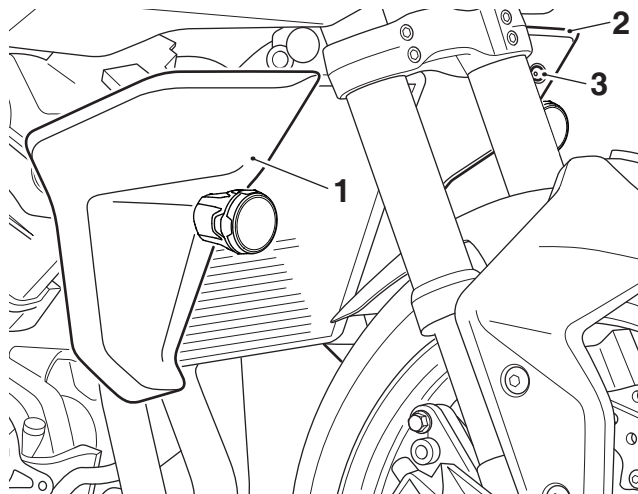
- 1. Horn
- 2. Positive connector (red wire)
- 3. Negative connector (black wire)

37. Secure the left hand side and right hand side fog light subharness to the radiator brackets with the split grommets from the kit, as shown.



- 1. Radiator bracket, right hand side shown
- 2. Fog light subharness
- 3. Split grommet

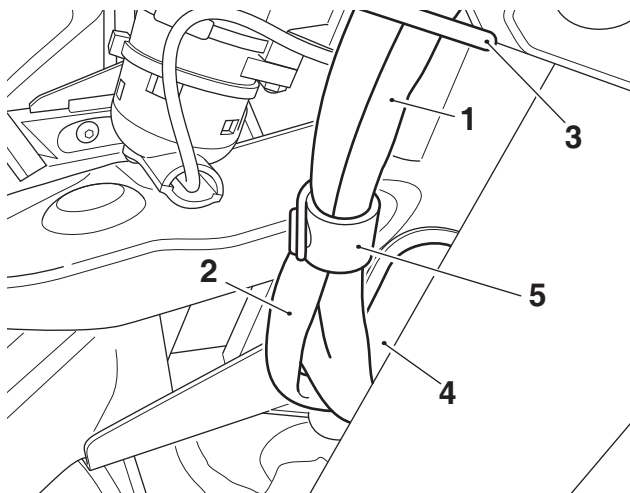
38. Refit the right hand and left hand radiator body panels with the M5 x 12 mm fixings from the kit. Tighten the fixings to **3 Nm**.



- 1. Radiator body panel, right hand
- 2. Radiator body panel, left hand
- 3. Fixings, M5 x 12 mm (left hand side shown)

39. Refit the right hand side panel with the original scrivet.

40. Secure the fog light switch harness to the left hand switch housing harness, below the wire cable guide close to the left hand front headstock opening with a rubber strap from the kit, as shown.



1. Left hand switch housing harness
2. Fog light switch harness
3. Wire cable guide
4. Headstock front opening, left hand side
5. Rubber strap



Caution

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



Warning

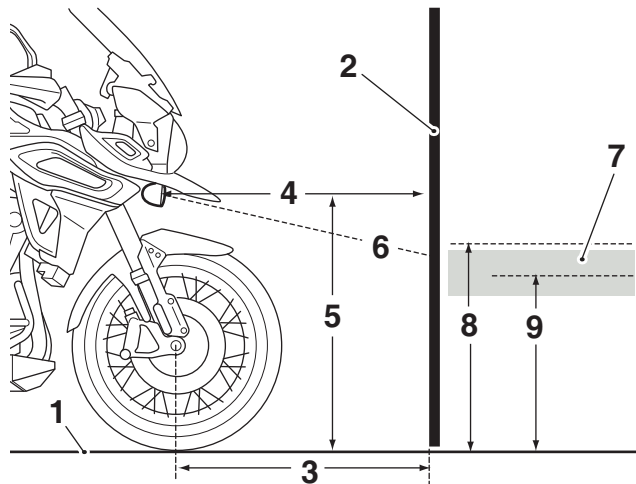
Move the handlebars to the left and right full lock while checking that the cables and harness do not bind. A cable or harness that binds will restrict the steering and may cause loss of motorcycle control and an accident.

41. Store any excess fog light subharness and fog light switch harness in the area behind the headstock.
42. Reconnect the battery, as described in the Service Manual.
43. Refit the seat, as described in the Service Manual.

Fog Light Alignment

44. Align the position of the left hand and right hand fog lights following the details and dimensions outlined below. The foglight beam should never be higher than the upper beam cut off limit.

Note, a generic motorcycle is shown.



1. Ground
2. Vertical surface
3. Front wheel centre to vertical surface, 3000 mm
4. Fog light to vertical surface, 3189 mm
5. Fog light reference height, 544 mm
6. Beam slope
7. Fog light beam
8. Beam cut off upper limit, 528 mm
9. Beam cut off lower limit, 480 mm

45. When the fog lights have been correctly aligned tighten the M5 x 10 mm fog light fixings to **8 Nm**.

Fog Light System Testing

Note:

- The fog lights switch will only operate when the headlights are on.
- The fog lights switch will reset to OFF when the ignition is turned off, then on again.
- To turn the fog lights ON or OFF, with the headlights on, press and release the fog lights switch.
- Operate the fog lights switch and check that the fog lights come on. While sitting on the motorcycle, check the fog light alignment against a wall. If the angle of the fog lights needs adjusting, repeat step 44.

Operation

The fog lights will remain on when the engine is turned off using the engine stop switch. When the engine is not running turn off the ignition, or switch the fog lights off to avoid draining the battery.

The fog lights are protected by a chassis ECM which will automatically cut power in the event of an overload.

Power can be restored to the fog lights by turning the ignition switch off, then on again, provided that the condition that caused the fault has been rectified.

In the event of a more serious overload, fuse number 1 (5A) in the secondary fuse box, located under the seat protects the fog lights.



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.