



## Accessory Fitting Instructions

Heated Grip Kit	
Kit Number	Models Affected
A9638110	Street Twin up to VIN AE3381 with Euro 4 engine ECM (see below), Street Cup from VIN 832750
A9638230	Street Cup to VIN 832749
A9638145	Street Scrambler up to VIN AE9847 with Euro 4 engine ECM (see below)
A9638135	Thruxton 1200 R, Thruxton TFC, Thruxton RS, Bonneville Bobber TFC, Speed Twin up to VIN AE3665 with Euro 4 engine ECM (see below)
A9638139	Thruxton 1200
A9638308 A9638311	Scrambler 1200 XC, Scrambler 1200 XE from VIN AC8499 to VIN BN8495

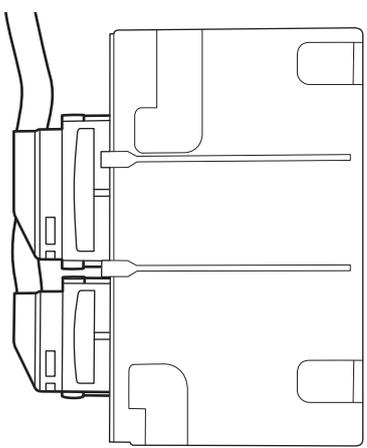
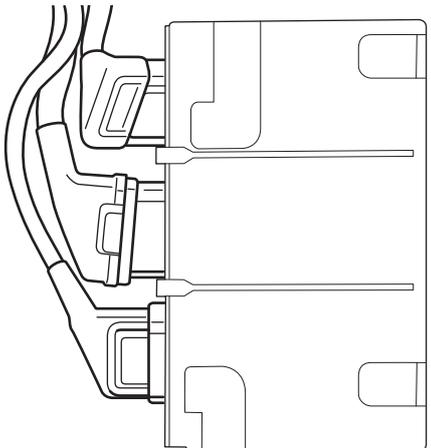
Thank you for choosing this Triumph genuine accessory kit. This accessory kit is the product of Triumph's use of proven engineering, exhaustive testing, and continuous striving for superior reliability, safety and performance.

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.

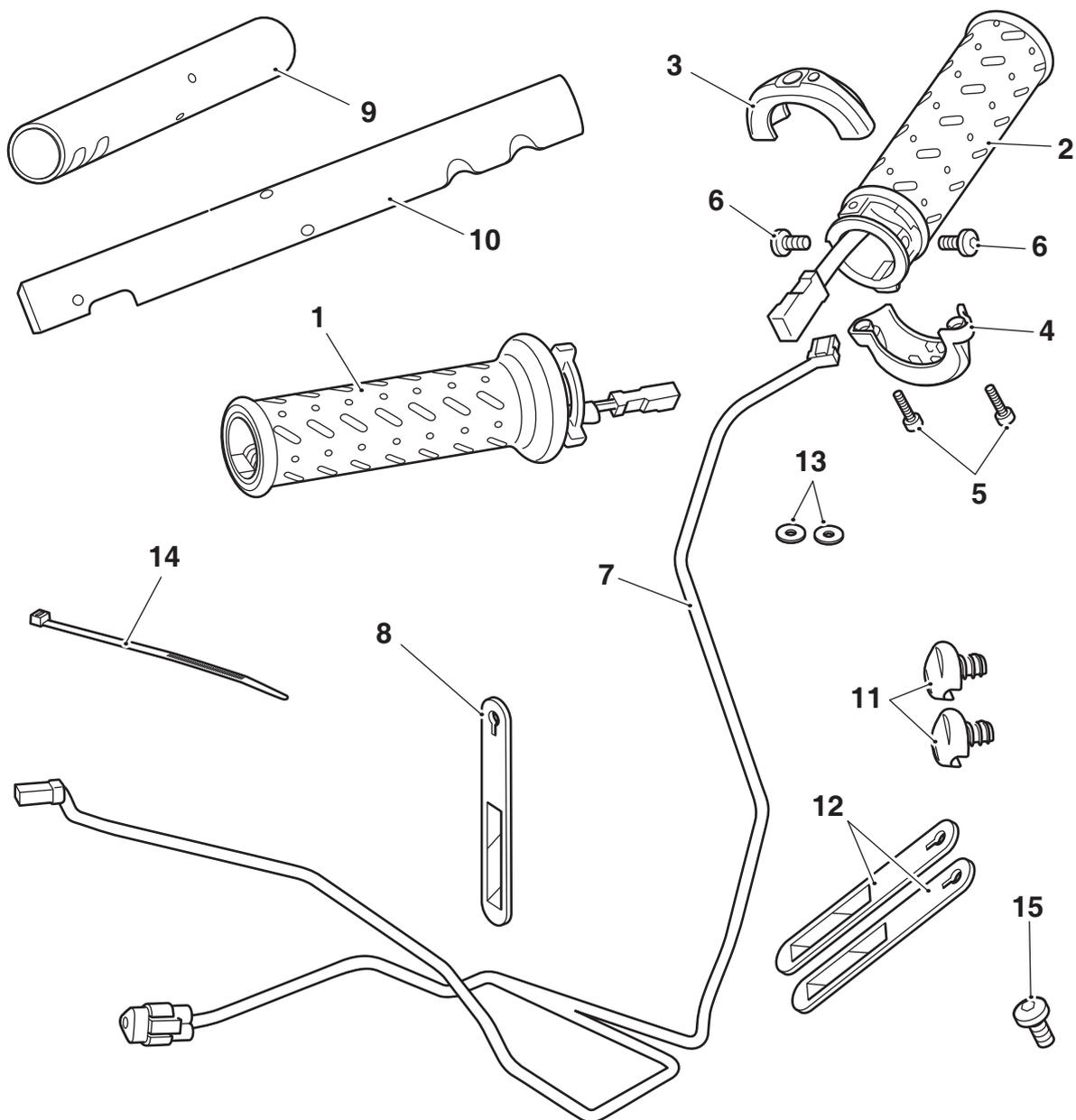
These instructions should be considered a permanent part of your accessory kit, and should remain with it even if your accessory equipped motorcycle is subsequently sold.

### 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. Heated grip, right hand	1 off	9. Handlebar, left hand (A9638230 only)	1 off
2. Heated grip, left hand	1 off	10. Handlebar, right hand (A9638230 only)	1 off
3. Switch housing, upper	1 off	11. Bar end plug (A9638110, A9638135 and A9638230 only)	2 off
4. Switch housing, lower	1 off	12. Rubber strap (A9638145 only)	2 off
5. Screw, Torx head self-tapping	2 off	13. Washer, M4 (A9638308 only)	2 off
6. Fixing, M4 x 10 mm	2 off	14. Cable tie, (A9638308 only)	1 off
7. Subharness	1 off	15. Fixing, M5 x 12 mm pan head, encapsulated (A9638308 only)	1 off
8. Rubber strap (A9638110 and A9638230 only)	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.**

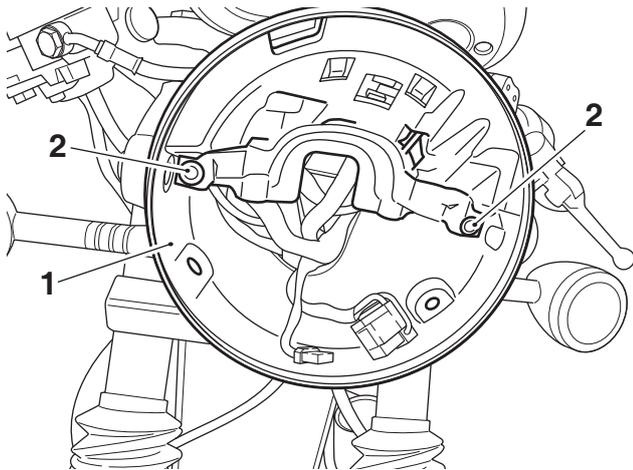
**All Models**

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 left hand and right hand bar end finishers, and bar end mirrors if fitted, as described in the Service Manual, retain the bar end finishers or mirrors for reuse.

**Note:**

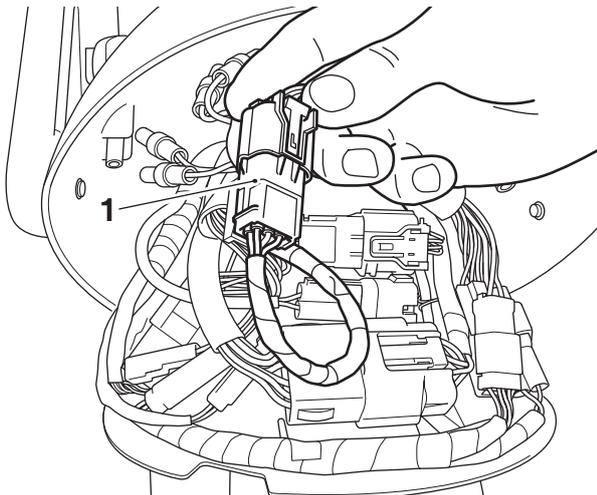
- **Steps 5 to 7 apply to all models, except Scrambler 1200.**
- 5. Remove the headlamp bezel fixings and remove the headlamp bezel and lens assembly, as described in the Service Manual. Retain the fixings for reuse.

6. Remove the headlamp inner cover fixings.  
Retain the fixings for reuse.



1. Inner cover
2. Fixings

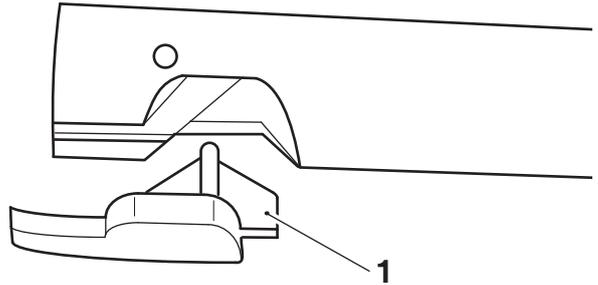
7. Disconnect the throttle harness connector from the main harness connector.



1. Throttle harness connector

## All Models

8. Slide the left hand grip off the handlebar. Retain the grip for reuse if the motorcycle is to be returned to its original condition.
9. Remove the plastic insert from the end of the left hand side of the handlebars, as shown. Retain the plastic insert for reuse if the motorcycle is to be returned to its original condition.



### 1. Plastic insert

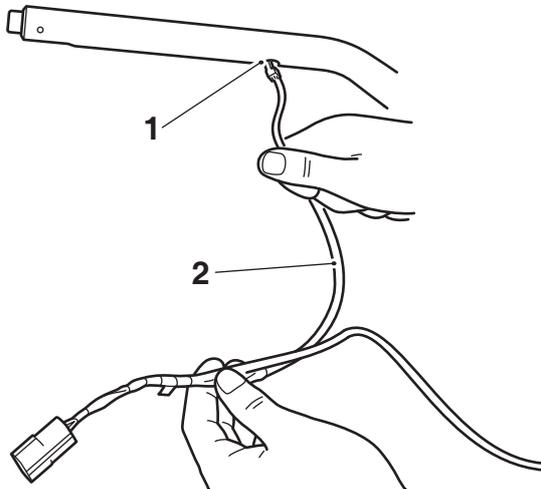
10. Remove the twist grip from the right hand side of the handlebars, as described in the Service Manual. Retain the twist grip for reuse if the motorcycle is to be returned to its original condition.
11. Collect the subharness provided in the kit.

### 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 or 4 pin connector is routed to the left hand (clutch) side of the handlebar.

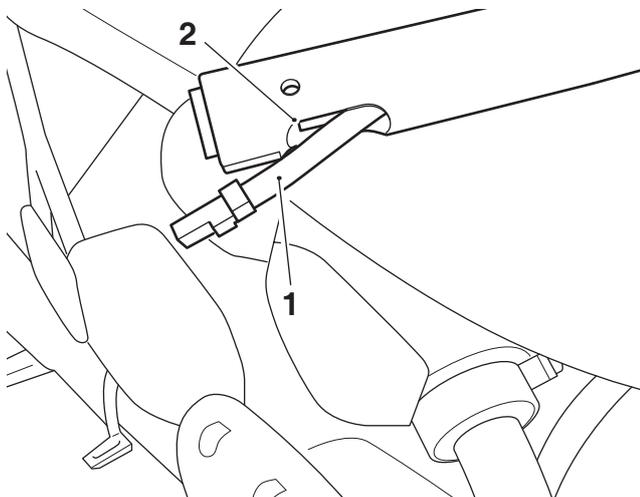
## Scrambler 1200 Models Only

12. Remove the left hand switch housing as described in the Service Manual.
13. Thread the shorter heated grip subharness cable with the 3 pin connector into the large hole in the underside of the left hand side of the handlebar as shown below.



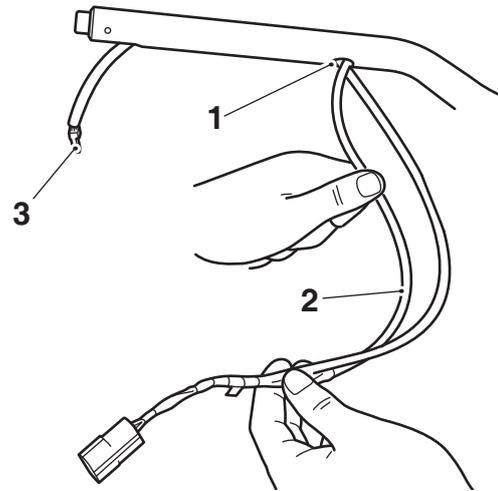
1. Hole, handlebar
2. Subharness, shorter cable

14. Feed the shorter subharness cable towards the left hand (clutch) side of the handlebar and out through the slot in the handlebar end weight mounting area of the handlebar.



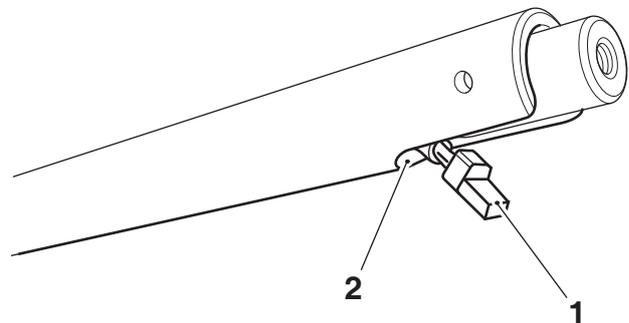
1. Subharness, shorter cable
2. Slot, handlebar

15. Thread the longer heated grip subharness cable with the 2 pin connector into the large hole in the underside of the left hand side of the handlebar as shown below.



1. Hole, handlebar
2. Subharness, longer cable
3. Subharness, shorter cable

16. Feed the longer subharness cable towards the right hand (throttle) side of the handlebar and out through the slot in the handlebar end weight mounting area of the handlebar.

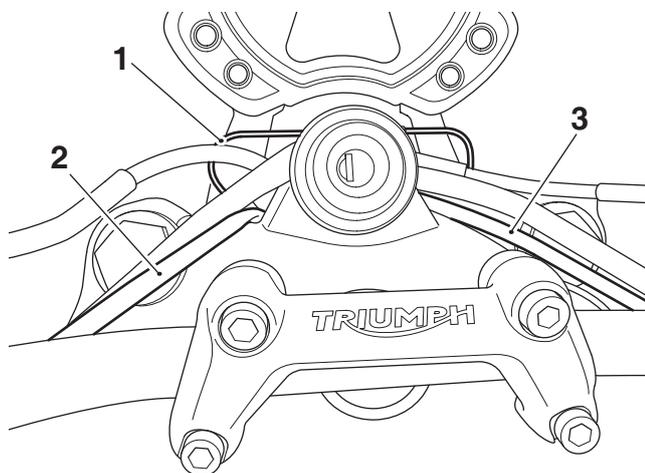


1. Subharness, longer cable
2. Slot, handlebar

17. Refit the left hand switch housing as described in the Service Manual

## Street Twin, Street Cup from VIN 832750 Models Only

18. Route the subharness past the left hand side of the headstock towards the handlebars with the 4 pin connector lead through the cable guide on the left hand side and the 2 pin connector lead through the cable guide on the right hand side.

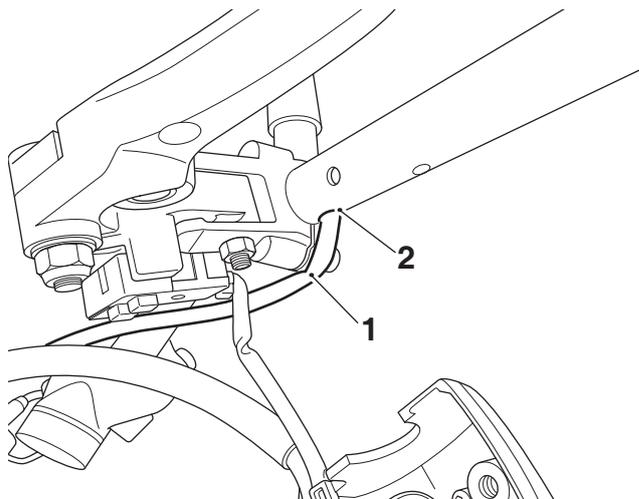


1. Cable guide
2. Subharness lead, 4 pin connector
3. Subharness lead, 2 pin connector

### Note:

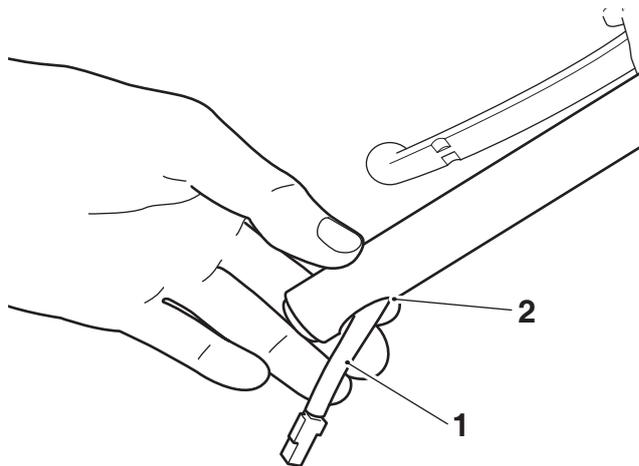
- For Street Twin without accessory Ace handlebars fitted follow steps 19 to 25. For Street Twin with accessory Ace handlebars fitted and Street Cup from VIN 832750 continue from step 35.
19. Remove the left hand switch housing. Without disconnecting any wiring move the switch housing along the handlebar to expose the slot in the underside of the handlebar. Retain the fixings for reuse.

20. Thread the subharness lead with the 4 pin connector into the slot on the underside of the handlebar, as shown.



1. Subharness lead
2. Slot, handlebar

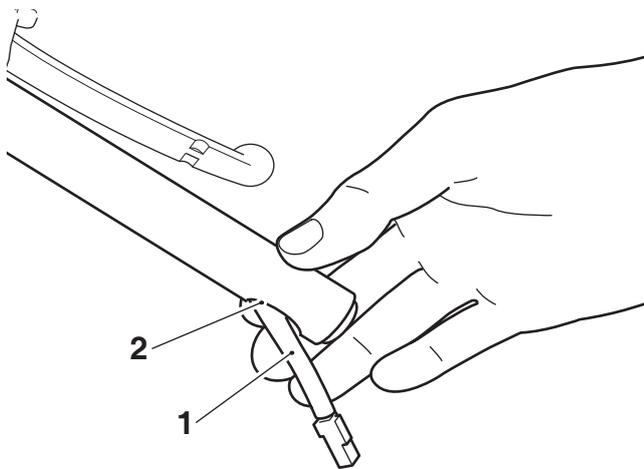
21. Feed the subharness lead connector towards the left hand side of the handlebar and out through the slot in the handlebar end weight mounting area of the handlebar.



1. Subharness
2. Slot, handlebar

22. Remove the right hand switch housing. Without disconnecting any wiring move the switch housing along the handlebar to expose the slot in the underside of the handlebar. Retain the fixings for reuse.
23. Thread the subharness lead with the 2 pin connector into the slot on the underside of the handlebar.

24. Feed the subharness lead connector towards the right hand side of the handlebar and out through the slot in the handlebar end weight mounting area of the handlebar.



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.

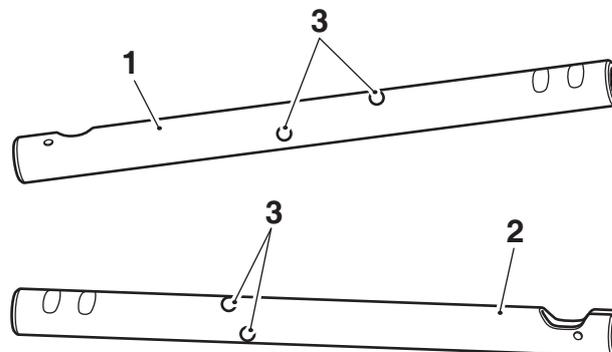
25. Refit the left hand and right hand switch housings with the original fixings. Tighten the fixings to **2.5 Nm**.

### Street Cup Models to VIN 832749 Only

26. Remove the clutch cable from the clutch lever assembly, as described in the Service Manual.
27. Remove the following components from the left hand handlebar, as described in the Service Manual. Make sure all parts are suitably supported and do not damage the motorcycle. Retain the handlebar grip for reuse if the motorcycle is to be returned to its original condition.
- Clutch lever assembly.
  - Left hand switch housing.
  - Left hand handlebar grip.
28. Remove the left hand handlebar, as described in the Service Manual.

### Note:

- The left hand and right hand handlebars are identified by the position of the two holes in the handlebars. The right hand handlebar has the holes closer together, as shown.

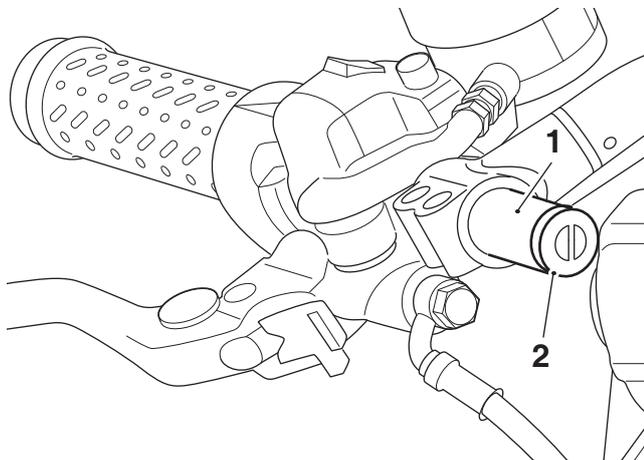


1. Handlebar, left hand  
2. Handlebar, right hand  
3. Holes

29. Fit the left hand handlebar provided in the kit, as described in the Service Manual.
30. Refit the following components as described in the Service Manual
- Left hand switch housing.
  - Clutch lever assembly.
31. Refit the clutch cable to the clutch lever assembly and adjust the cable, as described in the Service Manual.
32. Remove the following components from the right hand handlebar, as described in the Service Manual. Make sure all parts are suitably supported and do not damage the motorcycle. Retain the twist grip for reuse if the motorcycle is to be returned to its original condition.
- Brake lever, master cylinder and fluid reservoir assembly.
  - Right hand switch housing.
  - Twist grip position sensor and twist grip.
33. Fit the right hand handlebar provided in the kit, as described in the Service Manual.
34. Refit the following components as described in the Service Manual
- Brake lever, master cylinder and fluid reservoir assembly.
  - Right hand switch housing.
  - Twist grip position sensor.

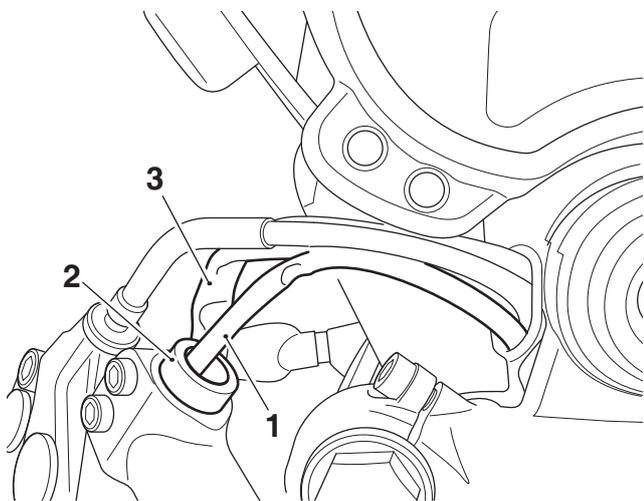
**Street Twin with accessory Ace handlebars fitted and Street Cup Models from VIN 832750 Only**

35. Remove the blanking plugs from inside the left hand and right hand handlebars. Retain the plugs for reuse if the motorcycle is to be returned to its original condition.



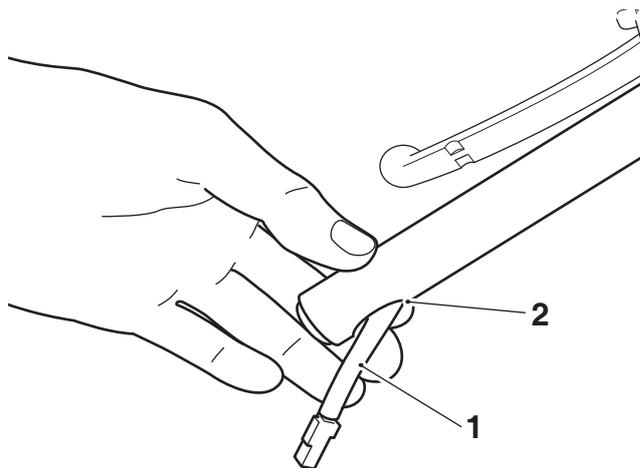
- 1. Handlebar, right hand shown
- 2. Blanking plug

36. Route the subharness lead with the 4 pin connector along the left hand switch harness and in to the end of the left hand handlebar, as shown.



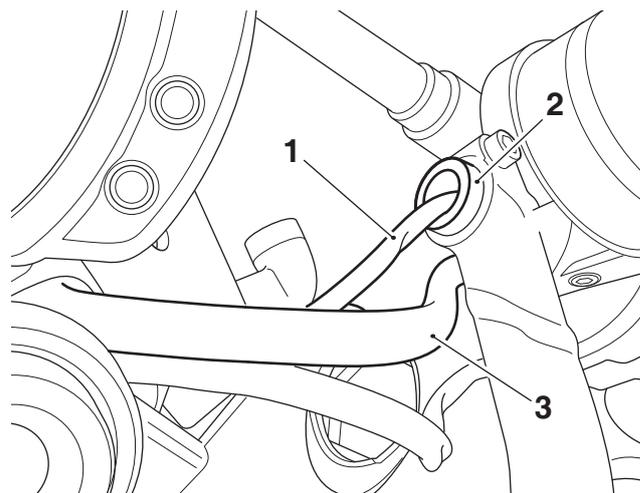
- 1. Subharness, 4 pin connector
- 2. Handlebar
- 3. Switch harness, left hand

37. Feed the subharness through the handlebar and out of the slot in the handlebar end weight mounting area of the handlebar.



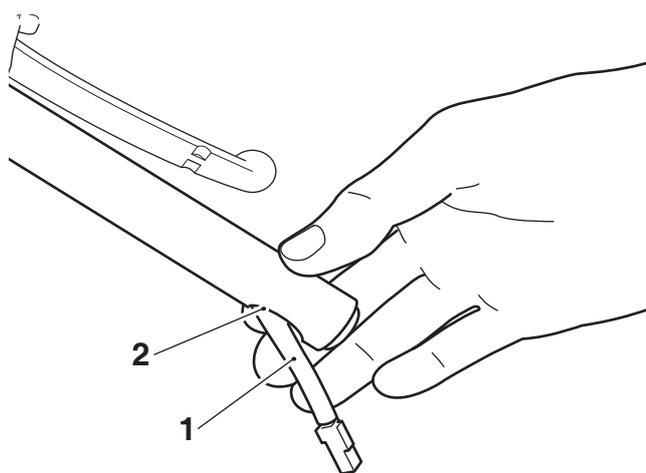
- 1. Subharness
- 2. Slot, handlebar

38. Route the subharness lead with the 2 pin connector along the right hand switch harness and in to the end of the handlebar, as shown.



- 1. Subharness, 2 pin connector
- 2. Handlebar
- 3. Switch harness, right hand

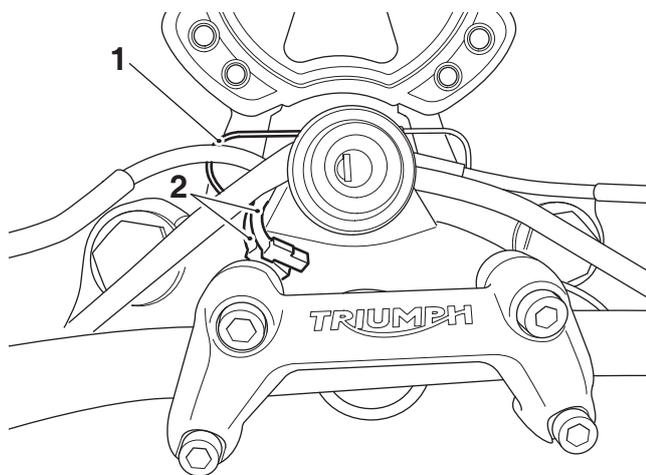
39. Feed the subharness through the handlebar and out through the slot in the handlebar end weight mounting area of the handlebar.



1. Subharness  
2. Slot, handlebar

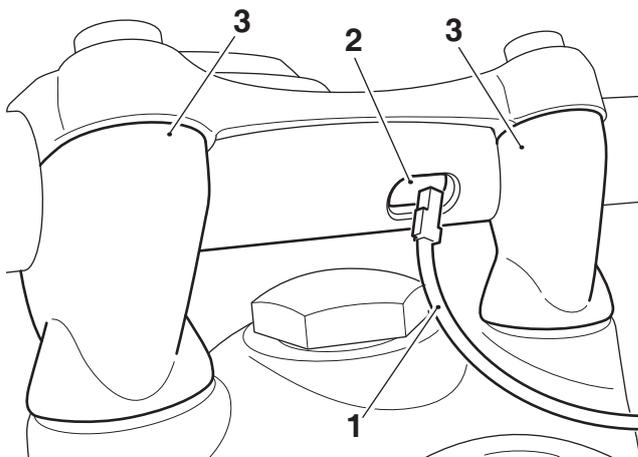
### Street Scrambler, Speed Twin Models Only

40. Route the subharness past the left hand side of the headstock towards the centre of the handlebars with both connector leads through the cable guide on the left hand side as shown.



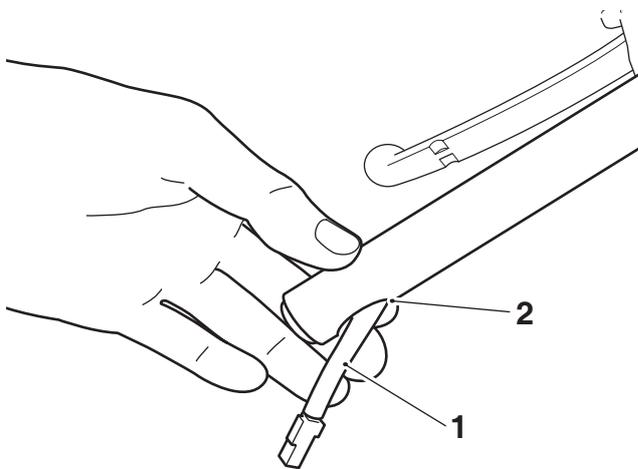
1. Cable guide  
2. Subharness connector leads

41. Thread the subharness lead with the 4 pin connector into the slot on the underside of the handlebar between the handlebar risers, as shown.



1. Subharness lead, 4 pin connector  
2. Slot, handlebar  
3. Handlebar riser

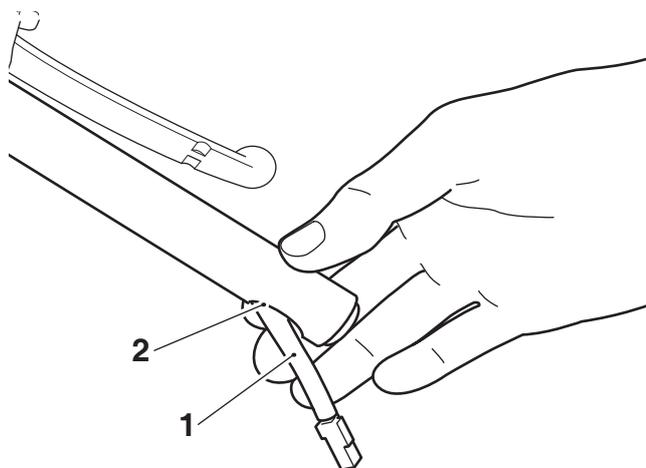
42. Feed the subharness lead connector towards the left hand side of the handlebar and out through the slot in the handlebar end weight mounting area of the handlebar.



1. Subharness  
2. Slot, handlebar

43. Repeat step 41 for the subharness lead with the 2 pin connector.

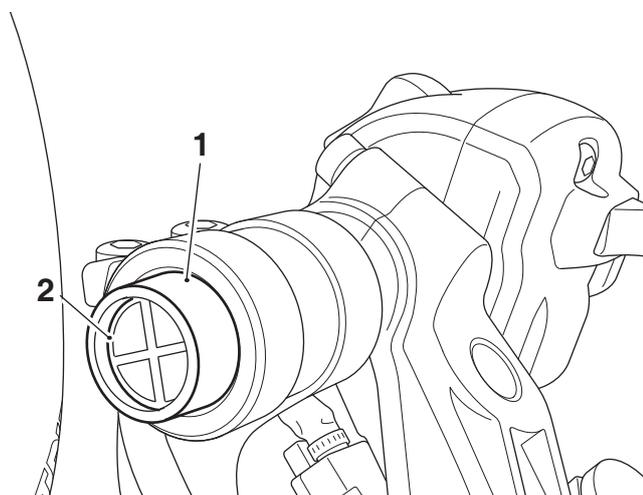
44. Feed the subharness lead connector towards the right hand side of the handlebar and out through the slot in the handlebar end weight mounting area of the handlebar.



- 1. Subharness
- 2. Slot, handlebar

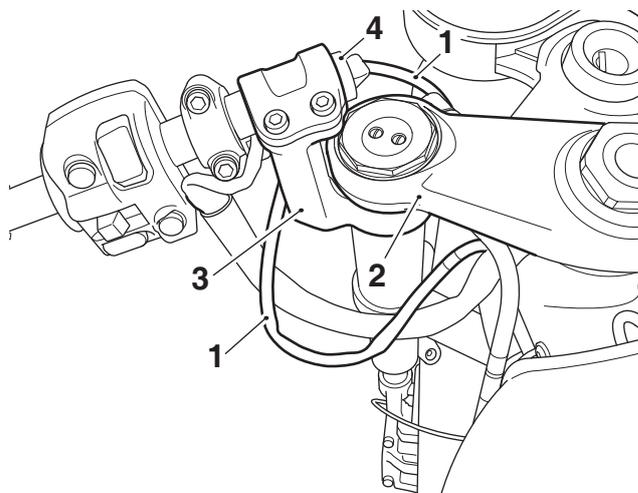
**Thruxton 1200 R, Thruxton TFC, Thruxton RS, Bonneville Bobber TFC Models Only**

45. Remove the blanking plugs from inside the left hand and right hand handlebars. Retain the plugs for reuse if the motorcycle is to be returned to its original condition.



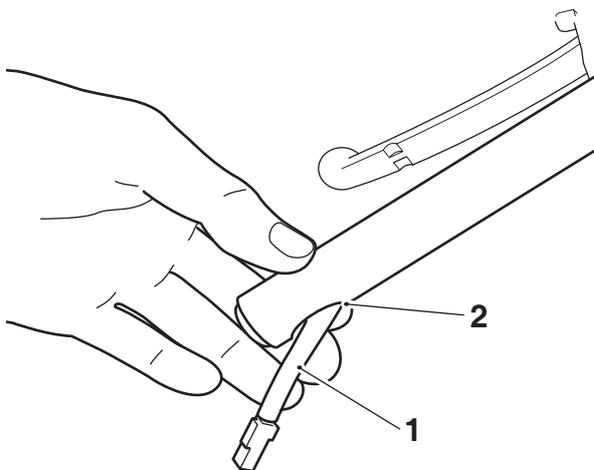
- 1. Handlebar, left hand shown
- 2. Blanking plug

46. Route the subharness lead with the 4 pin connector under the top yoke on the left hand side, around the handlebar riser and in to the end of the left hand handlebar, as shown.



- 1. Subharness (4 pin connector)
- 2. Top yoke
- 3. Handlebar riser
- 4. Handlebar

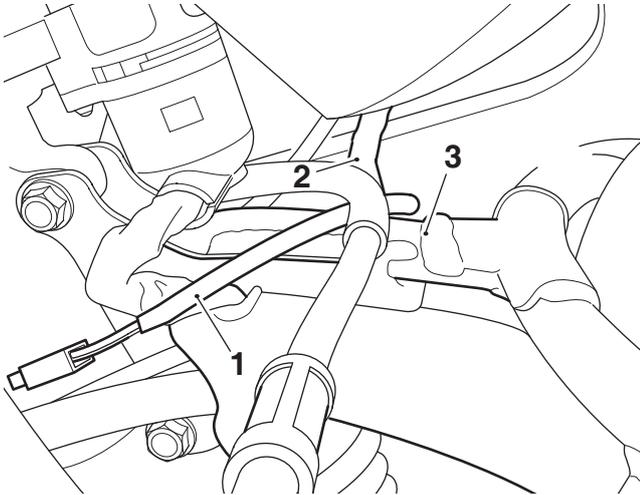
47. Feed the subharness through the handlebar and out of the slot in the handlebar end weight mounting area of the handlebar.



- 1. Subharness
- 2. Slot, handlebar

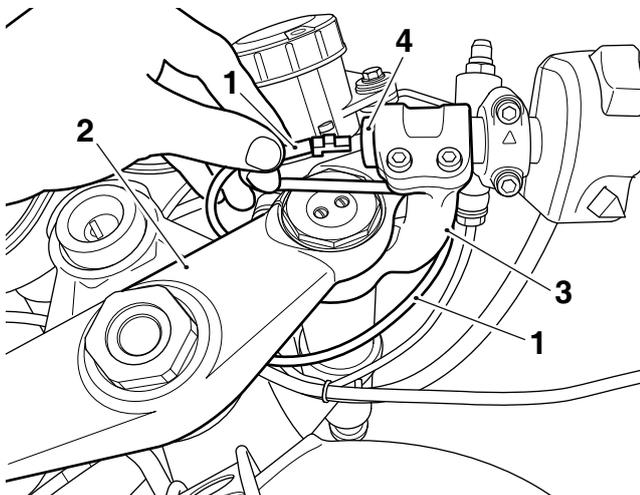
**Note:**

- For models fitted with a fairing route the subharness lead with the 2 pin connector over the top of the fairing subframe from the left hand side of the motorcycle, making sure the subharness is positioned in front of the instrument harness, as shown.



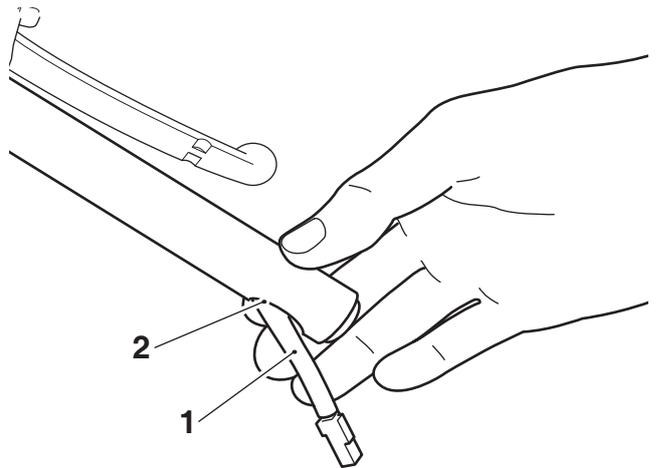
1. Subharness lead (2 pin connector)
2. Instrument harness
3. Fairing subframe

48. Route the subharness lead with the 2 pin connector under the top yoke on the right hand side, around the handlebar riser and in to the end of the handlebar, as shown.



1. Subharness (2 pin connector)
2. Top yoke
3. Handlebar riser
4. Handlebar

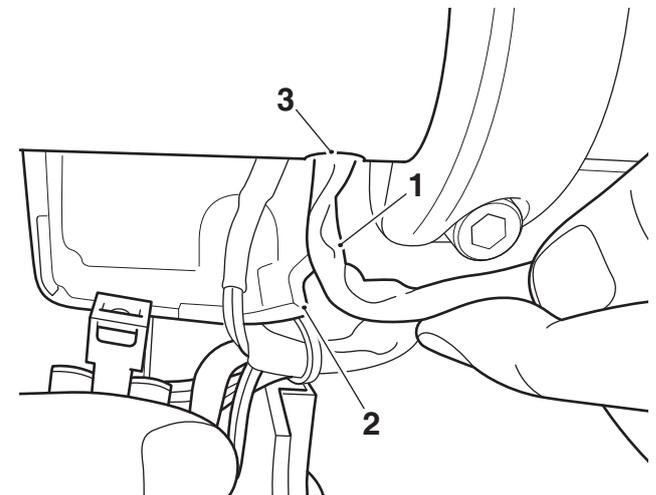
49. Feed the subharness through the handlebar and out of the slot in the handlebar end weight mounting area of the handlebar.



1. Subharness
2. Slot, handlebar

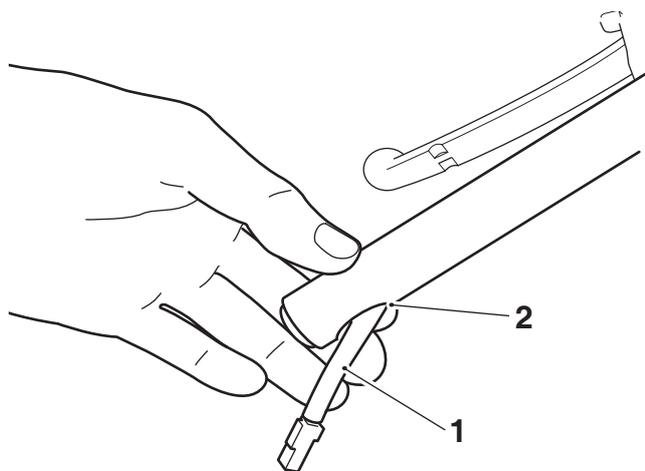
**Thruxton 1200 Models Only**

50. Remove the left hand switch housing cover. Without disconnecting any wiring, position the switch housing cover aside. Retain the fixings for reuse.
51. Thread the subharness lead with the 4 pin connector into the hole on the underside of the handlebar, inside the left hand switch housing as shown.



1. Subharness
2. Switch housing, left hand
3. Hole, handlebar

52. Feed the subharness lead towards the left hand side of the handlebar and out through the slot in the handlebar end weight mounting area of the handlebar.

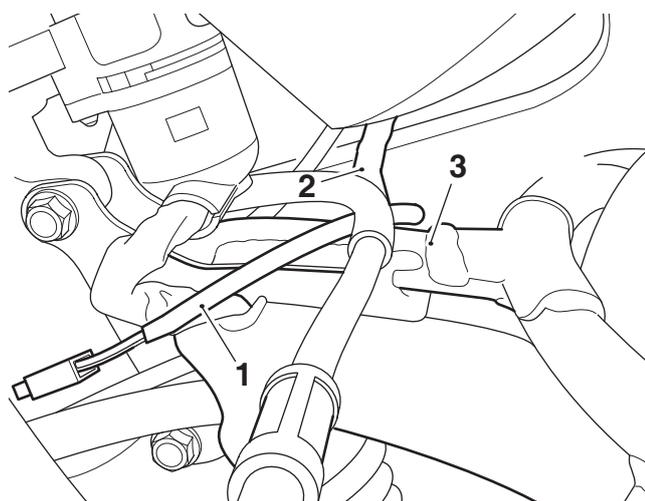


- 1. Subharness
- 2. Slot, handlebar

53. Remove the right hand switch housing cover. Without disconnecting any wiring, position the switch housing cover aside. Retain the fixings for reuse.

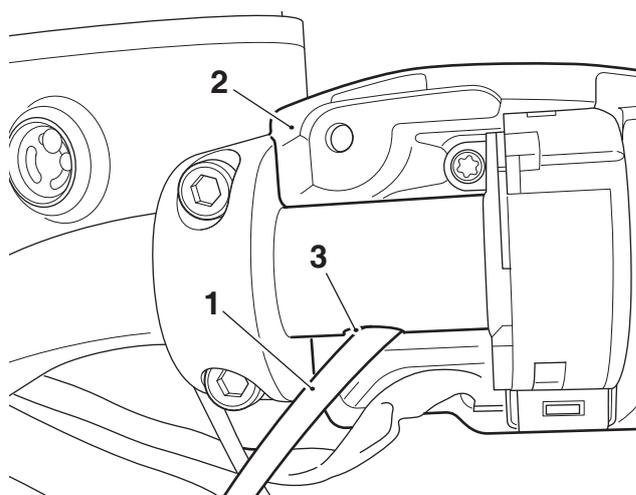
**Note:**

- For models fitted with a fairing route the subharness lead with the 2 pin connector over the top of the fairing subframe from the left hand side of the motorcycle, making sure the subharness is positioned in front of the instrument harness, as shown.



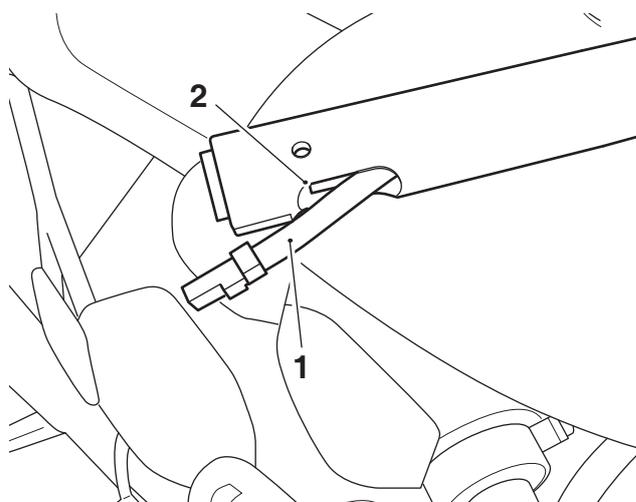
- 1. Subharness lead (2 pin connector)
- 2. Instrument harness
- 3. Fairing subframe

54. Thread the subharness lead with the 2 pin connector into the hole on the underside of the handlebar, inside the right hand switch cube housing as shown.



- 1. Subharness
- 2. Switch housing, right hand
- 3. Hole, handlebar

55. Feed the subharness lead towards the right hand side of the handlebar and out through the slot in the handlebar end weight mounting area of the handlebar.

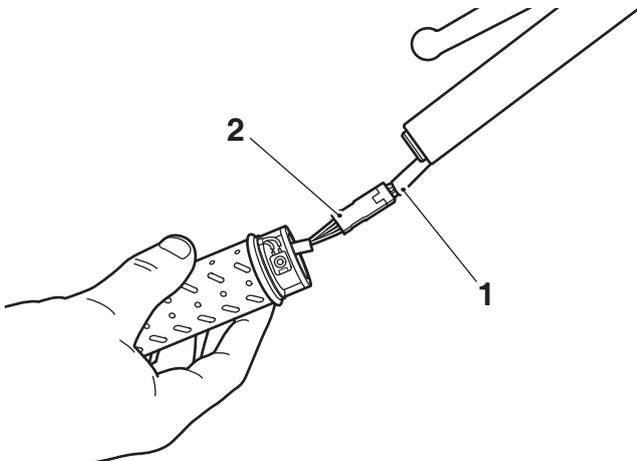


- 1. Subharness
- 2. Slot, handlebar

## All Models

### Left Hand Side

56. Connect the subharness connector to the left hand heated grip electrical connector.



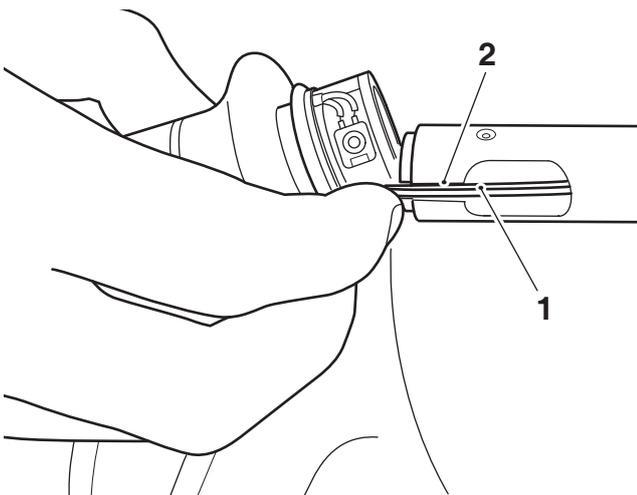
1. Subharness connector
2. Heated grip connector



### Caution

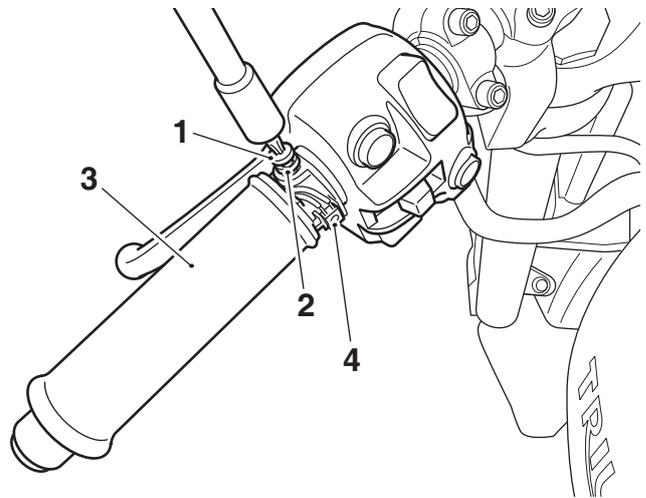
A wiring harness which becomes trapped or kinked during installation, or general motorcycle operation, may result in wiring harness damage and electrical malfunctions.

57. When fitting the grip onto the handlebar, carefully pull the lead back through the hole in the underside of the handlebar making sure the subharness/heated grip connection is positioned into the handlebar and the wires remain in the slot in the bar end.



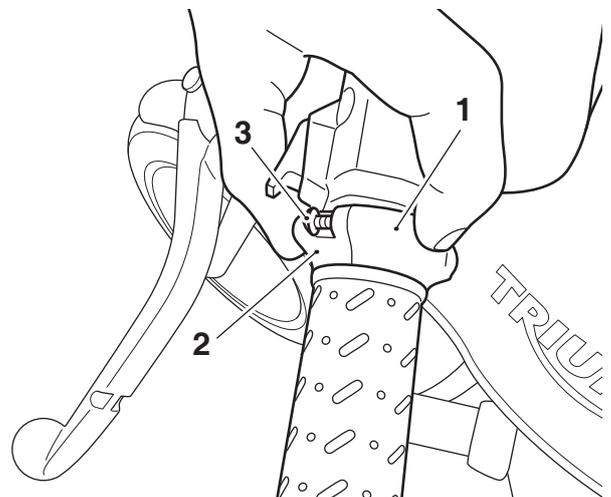
1. Wires
2. Slot, handlebar

58. Make sure the grip is in the orientation shown below with the switch contacts facing the rider. Secure the new grip with the two M4 x 10 mm fixings and for Scrambler 1200 models only M4 washers provided in the kit. Tighten the fixings to **2 Nm**.



1. Fixing, M4 x 10 mm (one of two shown)
2. Washer, M4 (Scrambler 1200 models only)
3. Heated grip
4. Switch contacts

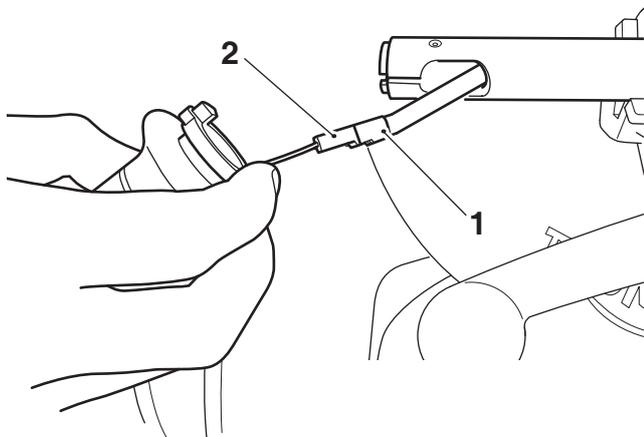
59. Fit the upper and lower switch housings on to the heated grip and retain with the Torx head self-tapping screws provided in the kit. Tighten the screws to **1 Nm**.



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

## Right Hand Side

60. Connect the 2 pin subharness connector to the right hand heated grip (twist grip) connector.



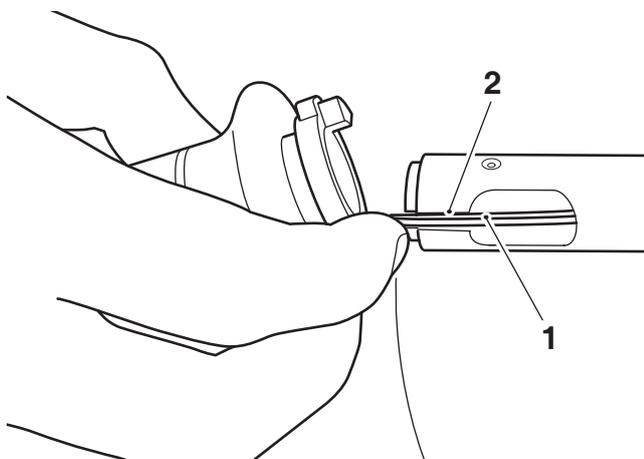
1. Subharness connector (2 pin)  
2. Heated twist grip connector

## Caution

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

### Note:

- **The method of fitting the right hand heated grip (twist grip) to the APS assembly and handlebars is the same as that for the original twist grip, as described in the Service Manual.**
61. When fitting the grip onto the handlebar, carefully pull the lead back through the hole in the underside of the handlebar making sure the subharness/heated grip connection is positioned into the handlebar and the wires remain in the slot in the bar end.



1. Wires  
2. Slot, handlebar

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

## Warning

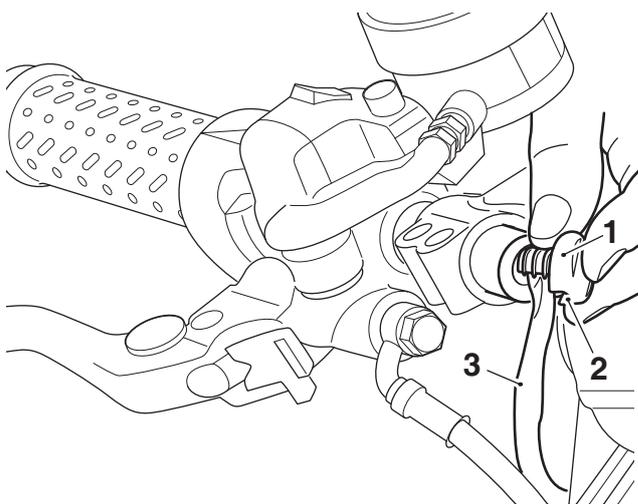
Check the operation of the right hand heated grip (twist grip). Make sure that the rearward and forward movement of the grip is smooth, without tightness and will return to the throttle closed position when released.

A tight or stuck twist grip may lead to loss of motorcycle control and an accident.

63. 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.
64. Refit the rear of the twist grip housing as described in the Service Manual and tighten its fixings to **2.5 Nm**.
65. Make sure the throttle is fully closed, and the electrical cable inside the twist grip has adequate slack to allow correct throttle operation.

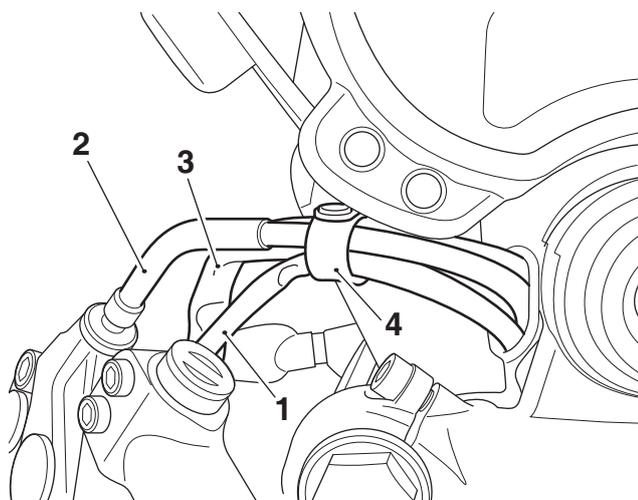
## Street Twin with Accessory Ace Handlebars fitted and Street Cup Models Only

66. Fit the blanking plugs provided in the kit to the handlebars making sure that the heated grip harnesses locate correctly in the cut out at the bottom of the plug.



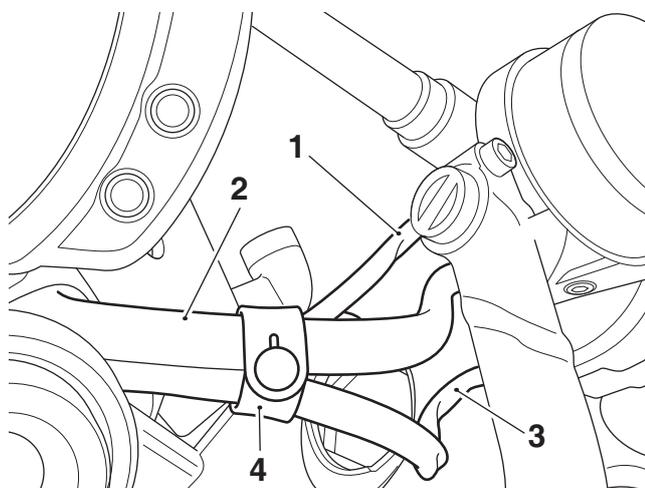
1. Blanking plug, right hand side shown  
2. Cut out  
3. Heated grip subharness

67. Following the route of the left hand switch harness, secure the heated grip subharness to the switch harness and clutch cable with the original rubber strap.



1. Heated grip subharness
2. Clutch cable
3. Switch harness
4. Rubber strap

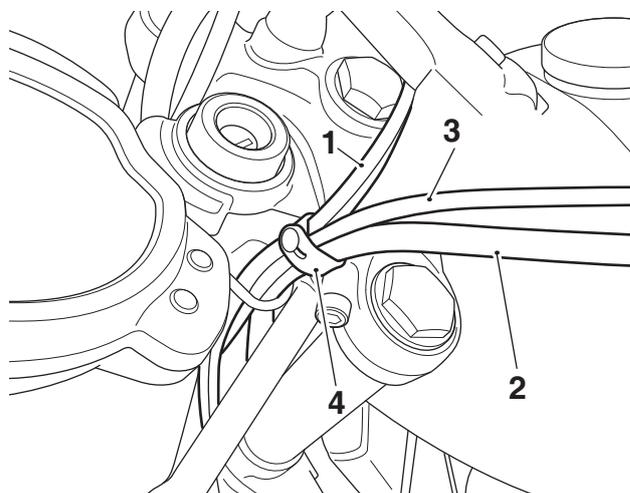
68. Following the route of the right hand switch harness, secure the heated grip subharness to the switch harness and twist grip harness with the original rubber strap.



1. Heated grip subharness
2. Switch harness
3. Twist grip harness
4. Rubber strap

### Street Scrambler and Speed Twin Models Only

69. Secure the heated grip subharnesses to the left hand switch harness and clutch cable with the rubber strap from the kit for Street Scrambler models as shown, or reuse the original strap on the left hand switch harness for Speed Twin models.



1. Heated grip subharnesses
2. Left hand switch harness
3. Clutch cable
4. Rubber strap

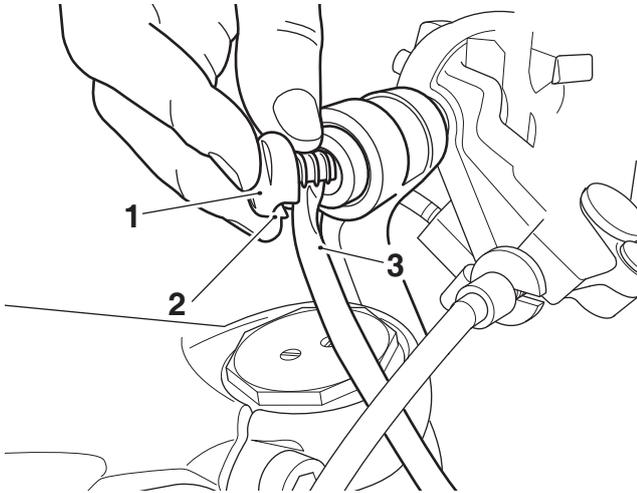
### Thruxton 1200 Models Only

 <b>Caution</b>
<p>A wiring harness which becomes trapped or kinked during installation, or general motorcycle operation, may result in wiring harness damage and electrical malfunctions.</p>

70. Refit the left hand and right hand switch housings. Make sure the heated grip subharness is not trapped between the switch housing and the handlebar. Tighten the fixings to **2.5 Nm**.
71. Following the route of the left hand switch harness, secure the heated grip switch harness to the clutch cable with the original rubber strap.

## Thruxton 1200 R, Thruxton TFC, Thruxton RS, Bonnevillie Bobber TFC Models Only

72. Fit the blanking plugs provided in the kit to the handlebars making sure that the heated grip harnesses locate correctly in the cut out at the bottom of the plug.

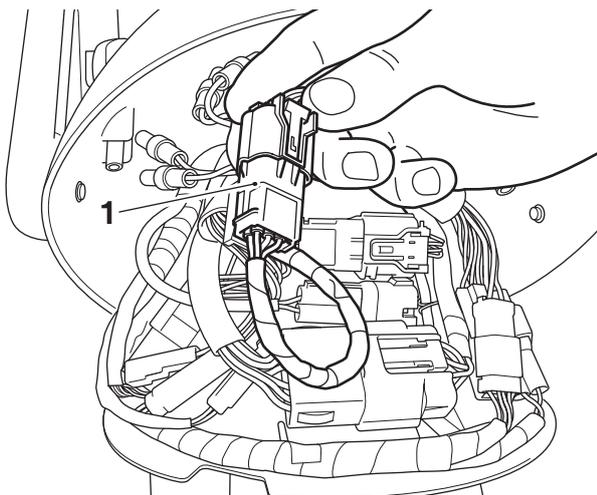


- 1. Blanking plug
- 2. Cut out
- 3. Heated grip subharness

73. Following the route of the left hand switch harness, secure the heated grip switch harness to the clutch cable with the original rubber strap.

## All Models, except Scrambler 1200

74. Reconnect the throttle harness connector to the main harness connector in the headlamp bowl.

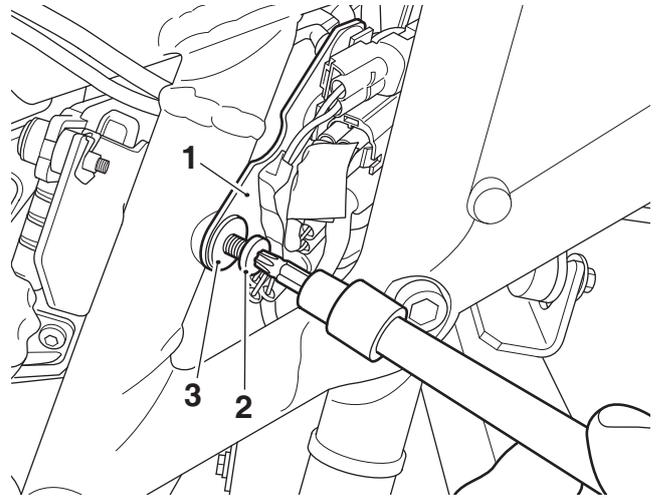


- 1. Throttle harness connector

75. Refit the headlamp inner cowl with the original fixings. Tighten the fixings to **1.5 Nm**.
76. Refit the headlamp bezel and lens assembly, as described in the Service Manual.

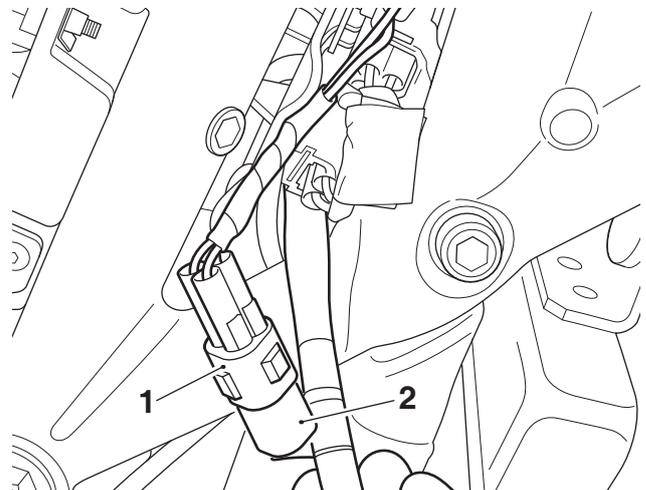
## All Models

77. Locate the bracket which retains a number of connectors on the right hand side of the headstock. Remove the bracket fixing and washer. Retain the fixing and washer for reuse.



- 1. Bracket
- 2. Fixing
- 3. Washer

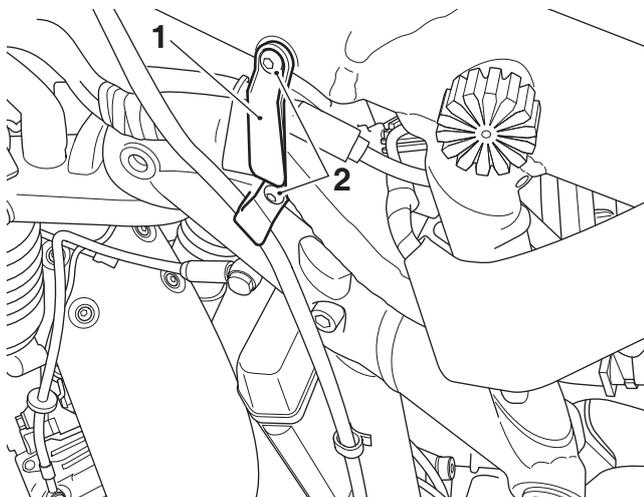
78. Disengage the heated grip harness connector (bottom connector) from the mounting bracket and remove the blanking plug from the connector. Retain the blanking plug for reuse if the motorcycle is to be returned to its original condition.



- 1. Heated grip connector, main harness
- 2. Blanking plug

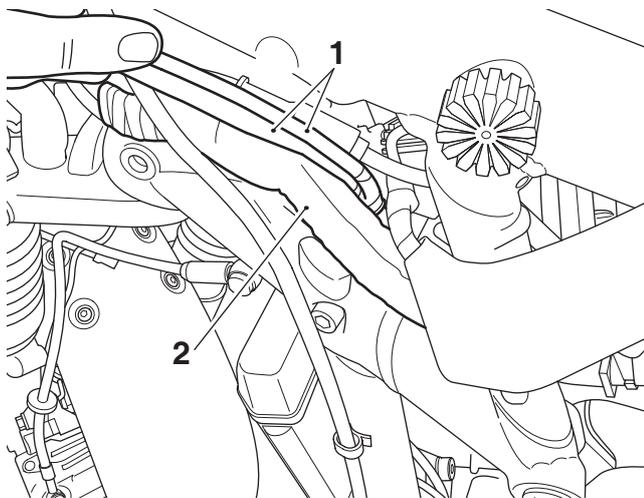
**Thruxton 1200, Thruxton 1200 R, Thruxton TFC, Thruxton RS, Bonneville Bobber TFC, Speed Twin Models Only**

79. Remove the cable guide from the left hand side of the motorcycle. Retain the cable guide and fixings for reuse.



- 1. Cable guide
- 2. Fixings

80. Route the subharness along the top of the main harness and through the frame on the left hand side of the motorcycle.



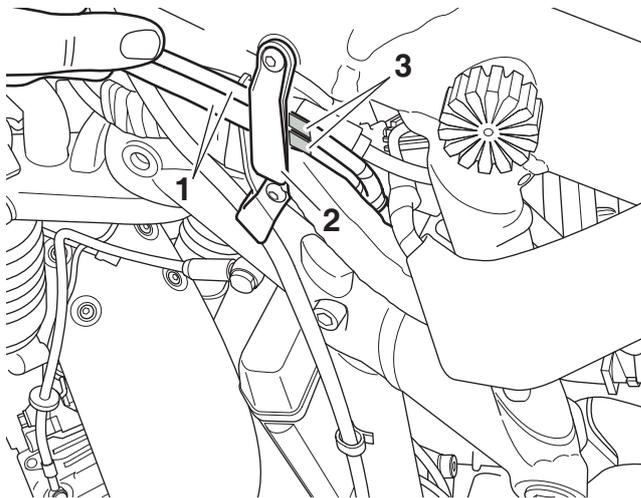
- 1. Subharness
- 2. Main harness

81. Refit the cable guide, do not fully tighten the fixings at this stage.

82. Adjust the position of the subharness until the blue tape markings are positioned as detailed for the following motorcycle conditions.

**Thruxton 1200, Thruxton 1200 R, Thruxton RS, models only without accessories fitted**

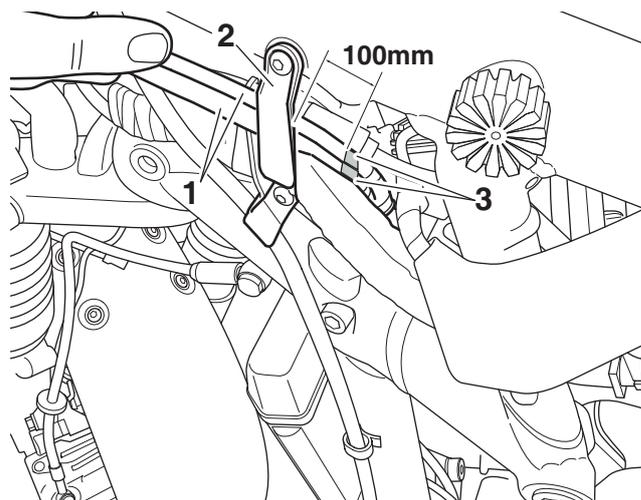
Position the blue tape markings next to the rear of the cable guide, as shown below.



- 1. Subharness
- 2. Cable guide
- 3. Blue tape

**Thruxton 1200, Thruxton 1200 R, Thruxton RS, models only with Accessory low bars fitted**

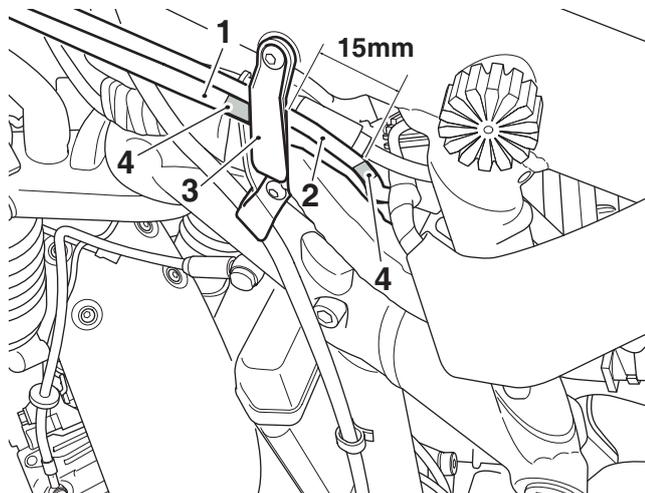
Position the blue tape markings on the subharness 100 mm to the rear of the cable guide, as shown below.



- 1. Subharness
- 2. Cable guide
- 3. Blue tape

### Thruxton 1200, Thruxton 1200 R, Thruxton RS, Thruxton TFC models only with a fairing fitted

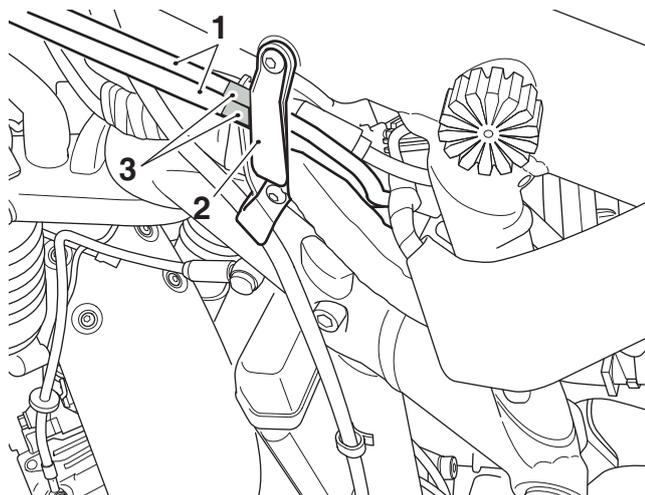
The blue tape marking on the right hand (2 pin) subharness lead is positioned next to the front of the cable guide. The blue tape marking on the left hand (4 pin) subharness lead is positioned 15 mm to the rear of the cable guide, as shown below.



1. Subharness lead, 2 pin connector
2. Subharness lead, 4 pin connector
3. Cable guide
4. Blue tape

### Speed Twin models only

Position the blue tape markings on the subharness next to the front edge of the cable guide, as shown below.

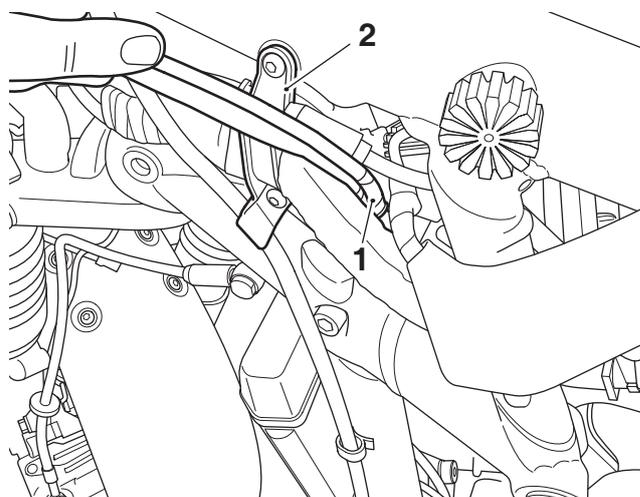


1. Subharness
2. Cable guide
3. Blue tape

83. Tighten the cable guide fixings to **3 Nm**.

### Street Twin, Street Cup and Street Scrambler Models Only

84. Route the subharness across the cable guide and through the frame on the left hand side of the motorcycle.

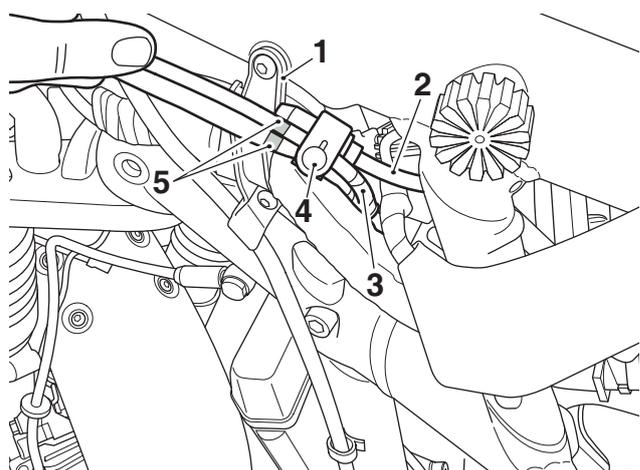


1. Subharness
2. Cable guide

85. Adjust the position of the subharness until the blue tape markings are positioned as detailed for the following motorcycle conditions.

### Street Scrambler and Street Twin with Standard Handlebars

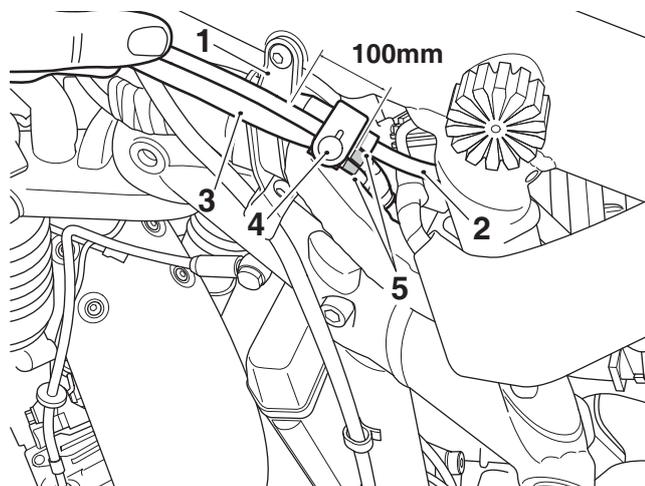
Position the blue tape markings next to the rear of cable guide, as shown. Secure the subharness to the brake line with the rubber strap provided.



1. Cable guide
2. Brake line
3. Subharness
4. Rubber strap
5. Blue tape

## Street Twin with Ace handlebars and Street Cup

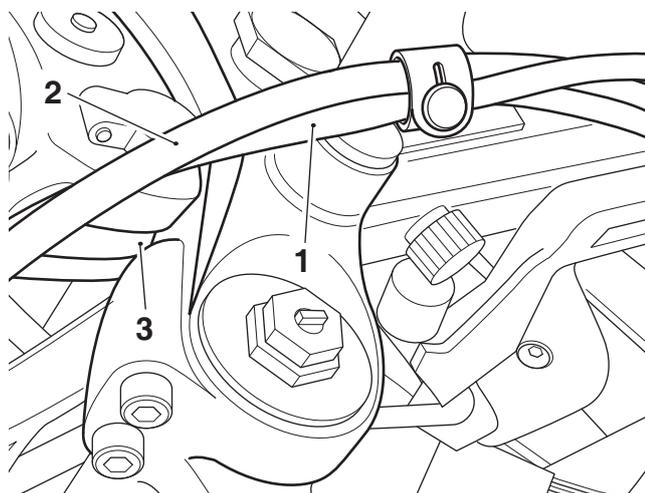
Position the blue tape markings on the subharness 100 mm to the rear of the cable guide, as shown below. Secure the subharness to the brake line with a rubber strap provided.



1. Cable guide
2. Brake line
3. Subharness
4. Rubber strap
5. Blue tape

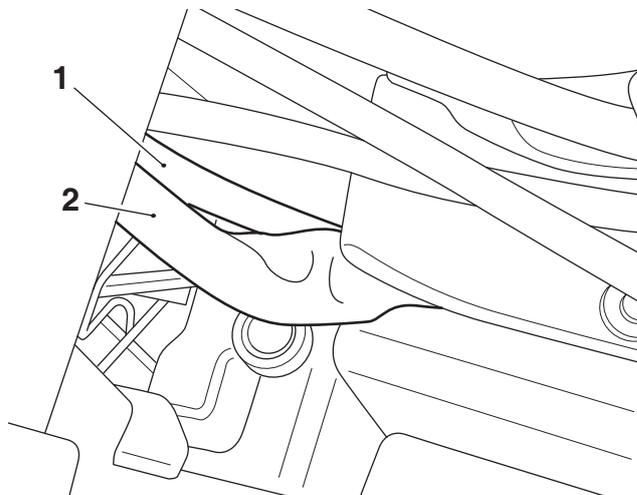
## Scrambler 1200 Models Only

86. Route the subharness along the clutch cable and past the headstock on the left hand side of the motorcycle.



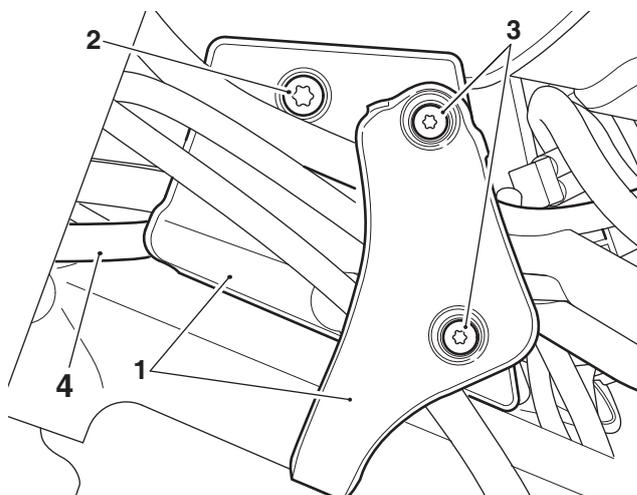
1. Subharness
2. Clutch cable
3. Headstock

87. Remove both cable guides from the left hand side of the motorcycle as described in the Service Manual. Route the subharness alongside the main wiring harness on the left hand side of the motorcycle frame as shown.



1. Main wiring harness
2. Subharness

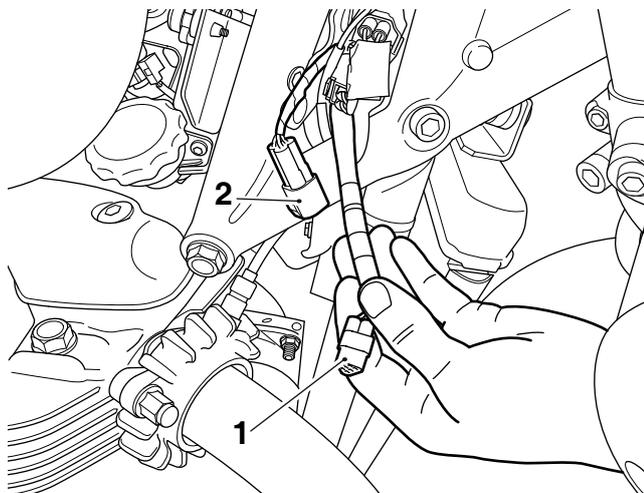
88. Making sure the original harness routing is maintained, refit both cable guides on the left hand side of the motorcycle with the original fixings and M5 x 12 mm encapsulated fixing from the kit, as described in the Service Manual.



1. Cable guides
2. Fixing, M5 x 12 mm (encapsulated)
3. Original fixings
4. Subharness

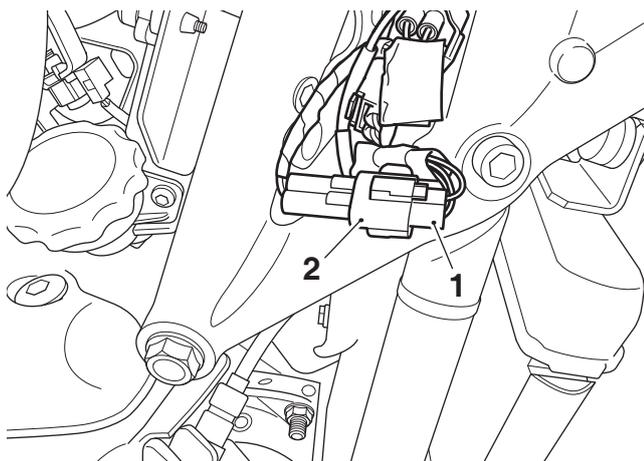
## All Models

89. Feed the subharness through the frame to the right hand side of the motorcycle towards the main harness heated grip connector.



1. Subharness  
2. Heated grip connector, main harness

90. Connect the heated grip harness connector to the main harness connector.



1. Heated grip harness connector  
2. Main harness connector

91. Re-attach the heated grip harness connector to the mounting bracket and refit the bracket with the original fixing and washer. Tighten the fixing to **3 Nm**.

### 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.

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

93. Refit the fuel tank, as described in the Service Manual.
94. Reconnect the battery, positive (red) lead first and tighten the battery terminals to **4.5 Nm**.
95. Refit the seat, as described in the Service Manual.
96. Refit the left hand and right hand mirrors if fitted and bar end finishers, as described in the Service Manual.
97. Adjust the left hand and right hand mirrors to provide clear rear visibility in the normal riding position.

## 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.
3. Fuse number 4 of the front fuse box protects the heated grip circuit. Refer to the label in the fuse box lid for fuse amperage.

## Operation

The heated grips button is located on the left hand grip.

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.

There are two heat levels; low or high.

Press the heated grip button to show the current status of the heated grips in the display screen. This is shown for three seconds.

Press the heated grip button whilst the status is showing to select one of the three different statuses; OFF, Lo (low) or HI (high).

For maximum benefit from cold conditions, use the heated grips in the HI status initially and when the grips have warmed up, change the status to Lo.

To switch off the heated grips, press and release the button until OFF is shown in the display screen. The heated grips are also switched off when the ignition is switched off.

## 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, 'HgrOFF' is shown in the display screen and the heated grips are automatically switched off. The heated grips can be switched back on after 25 seconds.

### 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.