



Technical Bulletin 170

11.2016

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Item: 170.1
Description: Dryseal Plugs
Model Affected: Various

Note:

- **Technical Bulletin item 169.4 dated 10.2016 incorrectly states the part number of the Encapsulated Dryseal plugs. The detail below corrects this error and replaces the previous publication.**

Encapsulated Dryseal plugs have been introduced to the cylinder head and crankcase galleries at various engine numbers during manufacture. The Dryseal plugs are matched to their respective cylinder heads or crankcases, and should only be replaced in accordance with the parts listed in the EPC.

The encapsulated Dryseal plugs (part number T3450000) are shorter in length and can be visually identified by their encapsulated coating.

 Caution

Do not attempt to retighten a leaking dryseal plug.

Overtightening of a leaking dryseal plug may damage the crankcase or cylinder head.

Damaged casings will cause irreparable damage to the engine.

If for any reason a Dryseal plug with an encapsulated coating is loosened or removed it must be replaced and tightened to **25 Nm**.

When ordering replacement parts, refer to the EPC.

Application	Torque	Notes
Dryseal plug	25 Nm	Fit new fixing(s) if loosened or removed

Please mark your copy of the Service Manual with this information. For electronic service manuals, store this information in a readily accessible place and refer to it often. This information will be included in the next service manual update.

Item: 170.2
Description: Headstock Bearing Grease
Model Affected: All Models

A heavy duty lithium based grease, Castrol LCX 222, is now used to lubricate the headstock bearings during manufacture. Triumph therefore recommend that if the headstock bearings are serviced or replaced for any reason that Castrol LCX 222 or an equivalent is used in all instances.

For the procedures necessary to replace bearings, always refer to the relevant section of the Service Manual.

- **Models already in service need not be re-regreased unless they have been removed.**

Please mark your copy of the Service Manual with this information. For electronic service manuals, store this information in a readily accessible place and refer to it often. This information will be included in the next service manual update.

Item: 170.3

Description: Switch Housing Fixings

Model Affected: Bonneville T100 from VIN 759204, Bonneville T120, Thruxton 1200 from VIN 743684, Thruxton 1200R from VIN 740405, Street Twin, Street Cup

The torque figure has changed. If loosened or removed for any reason the fixing(s) must be torqued as required.

Application	Torque (Nm)	Notes
Right hand switch housing fixings	1 Nm	
Left hand switch housing fixings	1 Nm	

When ordering replacement parts, refer to the EPC.

- **Models already in service need not be re-tightened unless the fixings have been loosened or removed.**

Please mark your copy of the Service Manual with this information. For electronic service manuals, store this information in a readily accessible place and refer to it often. This information will be included in the next service manual update.

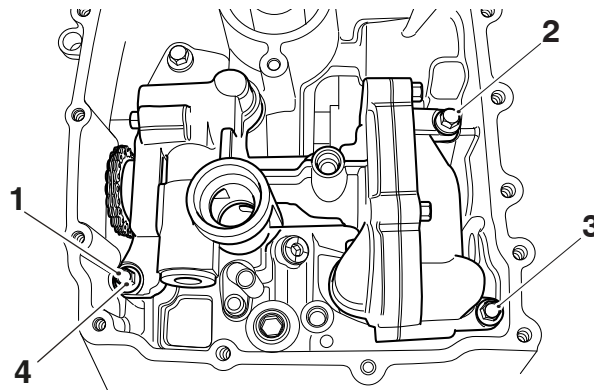
Item: 170.4

Description: Oil and Water Pump Bolts Tightening Sequence

Model Affected: Bonneville T100 from VIN 759204, Bonneville T120, Thruxton 1200 from VIN 743684, Thruxton 1200R from VIN 740405, Street Twin, Street Cup, Street Scrambler, Bonneville Bobber

The oil and water pump tightening sequence has changed.

In addition to the instruction in the service manual, tighten the fixings in the sequence shown below to **10 Nm**.



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Tightening sequence

- **Models already in service need not be re-tightened unless the fixings have been loosened or removed.**

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Item: 170.5
Description: Upper and Lower Yoke Fixings
Model Affected: Bonneville T100 from VIN 759204, Bonneville T120, Street Twin, Street Cup

Upper Yoke

The torque figure has changed. If loosened or removed for any reason the fixing(s) must be torqued as required.

Lower Yoke

The lower yoke fixing(s) are now encapsulated. If removed for any reason the fixing(s) must be replaced.

Application	Torque (Nm)	Notes
Upper yoke pinch bolt	24 Nm	
Lower yoke pinch bolt	45 Nm	Fit new fixings if loosened or removed

When ordering replacement parts, refer to the EPC.

- **Models already in service need not be re-tightened unless the fixings have been loosened or removed.**

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Item: 170.6

Description: Rear Reflector Bracket Fixings

Model Affected: Bonneville T100 from VIN 759204, Bonneville T120

The torque figure has changed. If loosened or removed for any reason the fixing(s) must be torqued as required.

Application	Torque (Nm)	Notes
Reflector bracket nut	5 Nm	
Reflector bracket fixing		Counter hold

When ordering replacement parts, refer to the EPC.

- **Models already in service need not be re-tightened unless the fixings have been loosened or removed.**

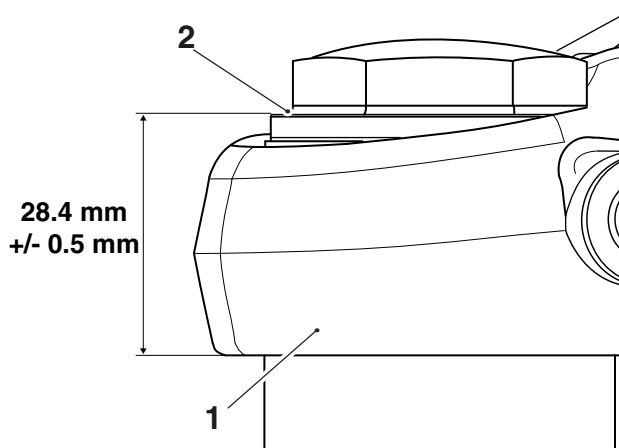
Please mark your copy of the Service Manual with this information. For electronic service manuals, store this information in a readily accessible place and refer to it often. This information will be included in the next service manual update.

Item: 170.7
Description: Front Fork Installation
Model Affected: Bonneville Bobber

The front fork installation procedure does not reflect the information displayed in the suspension specification settings.

Therefore when measuring the fork pull through, step 3 should read:

Position the forks through the lower yoke, so that the flat portion of the top cap is 28.4 mm +/- 0.5 mm from the lower edge of the upper yoke.



- 1. Upper yoke
- 2. Fork top cap

The torque figures and remainder of the installation procedure remain unchanged.

Please mark your copy of the Service Manual with this information. For electronic service manuals, store this information in a readily accessible place and refer to it often. This information will be included in the next service manual update.

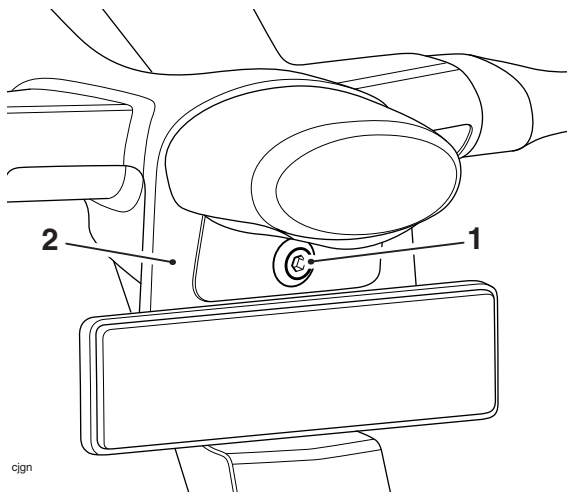
Item: 170.8

Description: Licence Plate Light

Model Affected: Bonneville T100 from VIN 759204, Bonneville T120

The lock nut fastening the licence plate light holder has been replaced with a captive nut on motorcycles from VIN 771857, therefore there is no longer a requirement to disassemble the licence plate assembly when replacing the licence plate bulb.

The torque figure remains unchanged at **2 Nm**.



1. Fixing

2. Licence plate bracket

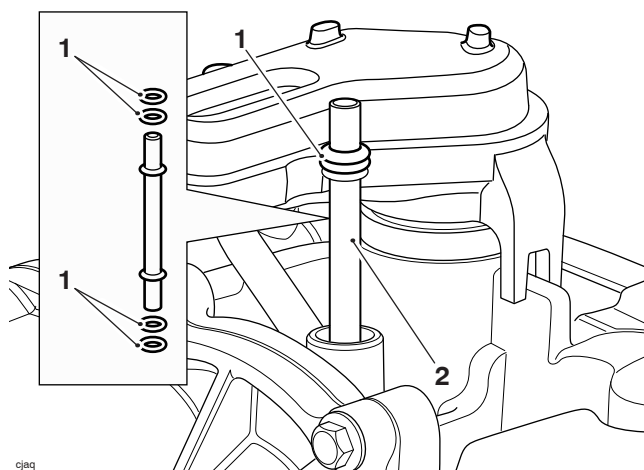
When ordering replacement parts, refer to the EPC.

- **Models already in service need not be re-tightened unless the fixings have been loosened or removed.**

Please mark your copy of the Service Manual with this information. For electronic service manuals, store this information in a readily accessible place and refer to it often. This information will be included in the next service manual update.

Item:	170.9
Description:	Coolant Drain Tube
Model Affected:	Bonneville T100 from VIN 759204, Bonneville T120, Thruxton 1200 from VIN 743684, Thruxton 1200R from VIN 740405, Street Twin, Street Cup, Street Scrambler, Bonneville Bobber

A soft petroleum jelly, is now used to lubricate the O-rings during installation of the coolant drain tube during manufacture. Triumph therefore recommend that if the sump or coolant drain tube are removed for any reason the O-rings must be replaced and coated with a commercially available soft petroleum jelly to aid installation.



- 1. O-ring**
- 2. Coolant drain tube**

When ordering replacement parts, refer to the EPC.

Please mark your copy of the Service Manual with this information. For electronic service manuals, store this information in a readily accessible place and refer to it often. This information will be included in the next service manual update.

Item: 170.10

Description: Fuel Tank Badge Fixings

Model Affected: Bonneville T100 from VIN 759204

The torque figure has changed. If loosened or removed for any reason the fixing(s) must be torqued as required.

Application	Torque (Nm)	Notes
Fuel tank badge fixings	2 Nm	

When ordering replacement parts, refer to the EPC.

- **Models already in service need not be re-tightened unless the fixings have been loosened or removed.**

Please mark your copy of the Service Manual with this information. For electronic service manuals, store this information in a readily accessible place and refer to it often. This information will be included in the next service manual update.

Item: 170.11

Description: Front and Rear Direction indicator

Model Affected: Bonneville T100 from VIN 759204, Bonneville T120, Thruxton 1200 from VIN 743684, Thruxton 1200R from VIN 740405, Street Cup

The indicator fixing(s) are now encapsulated. If removed for any reason the fixing(s) must be replaced.

Application	Torque (Nm)	Notes
Front and rear direction indicator	5 Nm	Fit new fixings if loosened or removed

When ordering replacement parts, refer to the EPC.

- **Models already in service need not be re-tightened unless the fixings have been loosened or removed.**

Please mark your copy of the Service Manual with this information. For electronic service manuals, store this information in a readily accessible place and refer to it often. This information will be included in the next service manual update.

Item: 170.12

Description: Sidestand Magnet Cap Fixings

Model Affected: Bonneville T100 from VIN 759204, Bonneville T120, Thruxton 1200 from VIN 743684, Thruxton 1200R from VIN 740405, Street Twin, Street Cup, Bonneville Bobber

The sidestand magnet cap fixing(s) are encapsulated. If removed for any reason the fixing(s) must be replaced.

Application	Torque (Nm)	Notes
Sidestand magnet cap fixings	1 Nm	Fit new fixings if loosened or removed

Note:

- The side stand magnet is an integral part of the sidestand assembly and is available only as part of the sidestand kit.

When ordering replacement parts, refer to the EPC.

- **Models already in service need not be re-tightened unless the fixings have been loosened or removed.**

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Item: 170.13

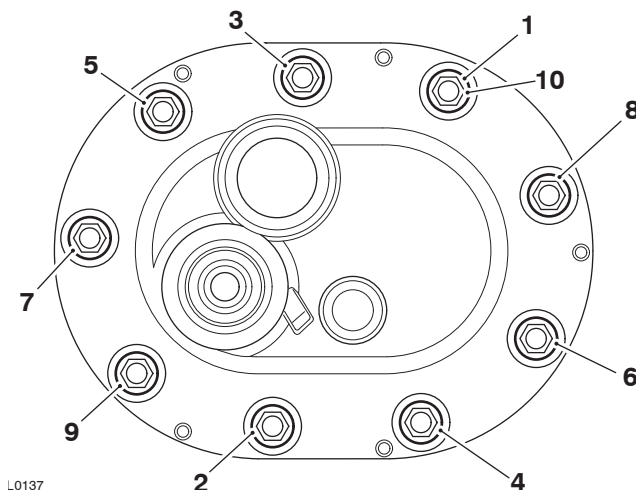
Description: Fuel Pump Plate Tightening Sequence

Model Affected: Bonneville T100 from VIN 759204, Bonneville T120, Thruxton 1200 from VIN 743684, Thruxton 1200R from VIN 740405, Street Twin, Street Cup

A tightening sequence for the fuel pump plate has been introduced.

Installation is as described in the Service Manual with the addition of the tightening sequence.

Tighten the fixings to **5 Nm** in the sequence shown.



Fuel Pump Plate Tightening Sequence

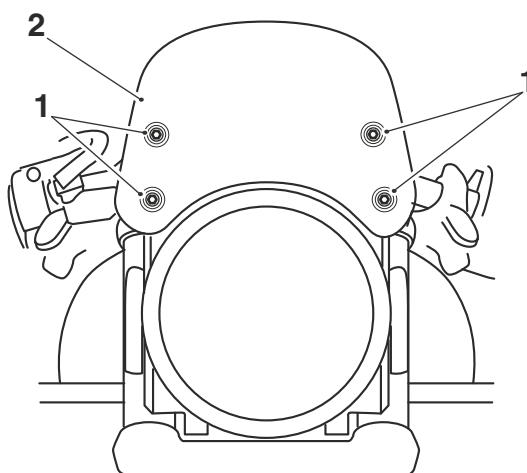
When ordering replacement parts, refer to the EPC.

Please mark your copy of the Service Manual with this information. For electronic service manuals, store this information in a readily accessible place and refer to it often. This information will be included in the next service manual update.

Item: 170.14
Description: Flyscreen
Model Affected: Street Cup

On models from VIN 798537 nylon washers are no longer used to secure the flyscreen to it's brackets as a cosmetic feature during manufacture.

The torque figure remains unchanged at 1 Nm.



- 1. Fixings
- 2. Flyscreen

When ordering replacement parts, refer to the EPC.

Please mark your copy of the Service Manual with this information. For electronic service manuals, store this information in a readily accessible place and refer to it often. This information will be included in the next service manual update.

Item:	170.15
Description:	Camshaft Cover Spares Kit
Model Affected:	Tiger Explorer, Tiger Explorer XRX, Tiger Explorer XRX, Tiger Explorer XRT, Tiger Explorer XRX (LRH), Tiger Explorer XCX (LRH), Tiger Explorer XCA,

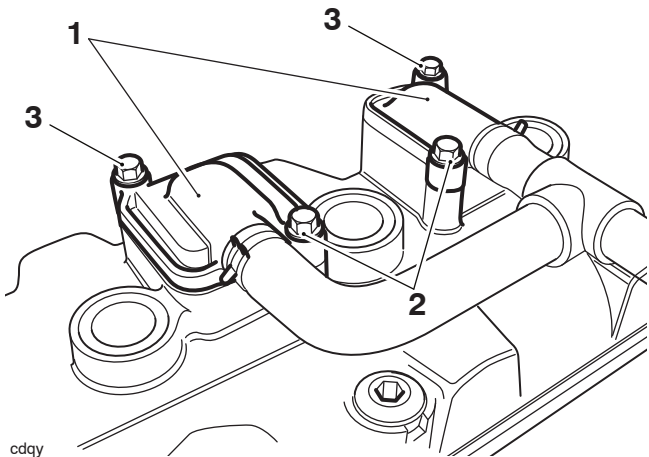
The two front fixings for the secondary air injection valve covers have increased to 25 mm from engine number 791976 (all markets except Brazil) or 792241 (Brazil only) and are not retrofittable. The rear fixings remain unchanged at 20 mm.

Therefore if the camshaft cover is replaced on models up to engine number 791975 (ROW) or 792240 (Brazil only), discard the two front 20 mm fixings and replace with new 25 mm fixings.

To facilitate this a parts kit has been released consisting of the following:

Parts Kit T1269500 - Kit, Cam Cover

Kit Contents	Quantity
T1265518 - Cam Cover, Machined, SAI, Wet Paint	1
T3200190 - Bolt, RHHF, M6 x 25, SLV	2



- 1. Reed valve cover
- 2. 20 mm fixings (rear)
- 3. 25 mm fixings (front)

The torque figure remains unchanged at **9 Nm**.

When ordering replacement parts, refer to the EPC.

Please mark your copy of the Service Manual with this information. For electronic service manuals, store this information in a readily accessible place and refer to it often. This information will be included in the next service manual update.

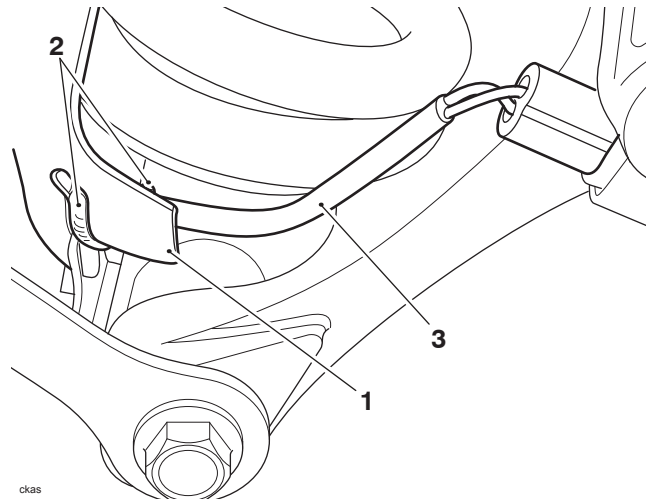
Item: 170.16

Description: Rear Suspension Unit (RSU)

Model Affected: Tiger Explorer XRX, Tiger Explorer XCX, Tiger Explorer XCA, Tiger Explorer XRT

The Rear Suspension Unit (RSU) flylead is secured to the splashguard with a cable tie, part number T3700015 from VIN number 777835 (ROW) or 778620 (Brazil only).

Therefore when refitting the flylead or RSU, secure the flylead with a cable tie as shown in the illustration.



- 1. Splashguard
- 2. Cable tie (T3700015)
- 3. Flylead

When ordering replacement parts, refer to the EPC.

Please mark your copy of the Service Manual with this information. For electronic service manuals, store this information in a readily accessible place and refer to it often. This information will be included in the next service manual update.

Item: 170.17

Description: Pannier Frame Mounting Protective Stickers

Model Affected: Tiger 800 XRX, Tiger XR, Tiger 800 XCX, Tiger 800 XCA, Tiger XRT, Tiger Explorer, Tiger Explorer XRX, Tiger Explorer XRX, Tiger Explorer XRT, Tiger Explorer XRX (LRH), Tiger Explorer XCX (LRH), Tiger Explorer XCA

Pannier frame mounting protective stickers are designed to wear during use. If the protective stickers become detached or wear, a replacement parts kit T2350183 has been made available.

Note:

- **Protective stickers are designed to protect the pannier frame and may show signs of wear during use.**
- **Triumph motorcycles do not accept wear as a warranty item.**

Prior to removal of the sticker(s) make a note of the position to enable accurate positioning of the replacement part.

The individual protective stickers are only supplied as a set and are not available as separate items.

When ordering replacement parts, refer to the EPC.

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Item: 170.18

Description: Ignition Switch Shear Bolt Fixings

Model Affected: Tiger 800 XRX, Tiger 800 XR, Tiger 800 XRT, Tiger 800 XCX, Tiger 800 XCA, Rocket III Roadster

The torque figure has changed. If loosened or removed for any reason the fixing(s) must be torqued as required.

Application	Torque (Nm)	Notes
Ignition switch	16 Nm	Ensure the head shears from its fixing Fit new fixings if loosened or removed

When ordering replacement parts, refer to the EPC.

- **Models already in service need not be re-tightened unless the fixings have been loosened or removed.**

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Item: 170.19

Description: Alternator Cover Parts Kit

Model Affected: Tiger 800, Tiger 800 ABS, Tiger 800 XRX, Tiger 800 XC, Tiger 800 XC ABS, Tiger 800 XCX

A new alternator cover and cable guide bracket have been introduced on the above models and are retrofittable back to engine number 612714 (except engine numbers 613308 up to 613370).

Note:

- The new alternator cover is retrofittable only when supplied as part of a kit. Parts will no longer support old condition alternator covers and any replacement will be to the new condition.

Parts kits T1260593 and T1260584 have been released for use when replacing the alternator cover on models as follows:

Parts Kit T1260593 - Cover, Alternator, Spares

For use with Tiger 800 and Tiger 800XC models from engine number 612714 up to 768815 for all markets except Br and (612714 up to 763462 Br only).

Kit Contents	Quantity
T1260561 - Cover, Alternator	1
T1260558 - Bracket, Cable Guide, Alternator	1
T3051055 - Screw, M5 x 10 mm, Encapsulated	1

Parts Kit T1260584 - Cover, Alternator, Spares

For use with Tiger XRX and Tiger XCx models from engine number 612714.

Kit Contents	Quantity
T1260572 - Cover, Alternator	1
T1260558 - Bracket, Cable Guide, Alternator	1
T3051055 - Screw, M5 x 10 mm, Encapsulated	1

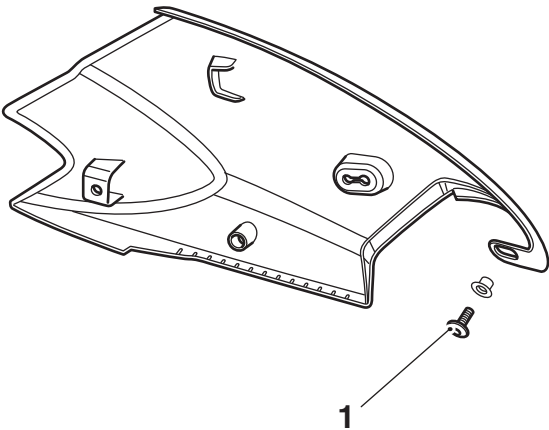
Installation of the new alternator covers is as described in the Service Manual.

When ordering replacement parts, refer to the EPC.

Item: 170.20
Description: Side Bodywork to Radiator Panel Fixings
Model Affected: Tiger Sport

The torque figure has changed. If loosened or removed for any reason the fixing(s) must be torqued as required.

Application	Torque (Nm)	Notes
Side bodywork fixings	5 Nm	



1. Fixing

When ordering replacement parts, refer to the EPC.

• **Models already in service need not be re-tightened unless the fixings have been loosened or removed.**
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Item: 170.21
Description: Brake Line Routing
Model Affected: Thunderbird Storm

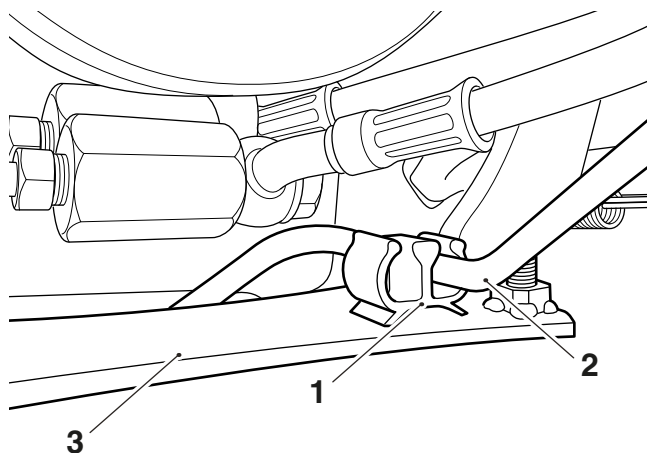
Euro 4 model motorcycles from VIN 780498 have an additional clip added to the header pipe strap to support the brake line. The removal and installation procedures remain the same with the addition of removing and refitting of the brake line from and to the clip during removal and installation.

Warning

If the engine has recently been running, the exhaust components may be hot to the touch. Contact with the hot components may cause damage to exposed skin. To avoid skin damage, always allow the hot parts to cool before working on the exhaust system.

Warning

Do not allow a brake component to hang unsupported on the brake hose or line.
Brake hoses or lines that are not supported may become damaged or bent.
Bent or damaged brake hoses or lines lead to reduced braking efficiency causing loss of motorcycle control and an accident.



1. Clip
2. Brake line
3. Header pipe strap

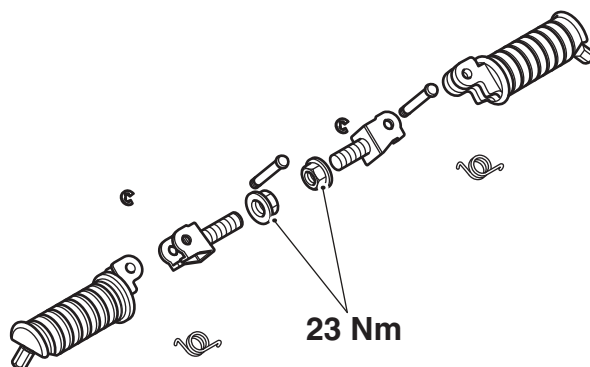
Item: 170.22

Description: Rear Footrest Fixings

Model Affected: Bonneville , Bonneville SE, Bonneville Steve McQueen Edition, Bonneville SE, Thruxton up to VIN 736777 , Thruxton SE, Bonneville T100 up to VIN 739040, Bonneville T100 1960 Edition up to VIN 739040, Bonneville T100 110th edition up to VIN 739040, America, Speedmaster, Scrambler

The torque figure has changed. If loosened or removed for any reason the fixing(s) must be torqued as required.

Tighten the fixings to **23 Nm**.



When ordering replacement parts, refer to the EPC.

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