



Technical News 158

August 2014

Strictly Confidential

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Item 1.

Description: Service Manual Issue Level and Part Numbers

Models affected: All Models Currently in Production

Dealers are required to hold current and up-to-date Service Manuals. Use the list attached as Appendix A to review your holding and ensure the current manuals replace the outdated ones as necessary.

Service Manuals are available from the parts department.

For information relating to non-current motorcycles refer to Technical News 99 or the EPC.

Please mark your copy of the Service Manual with this information.

Item 2.

Description: Fog Light Bulb

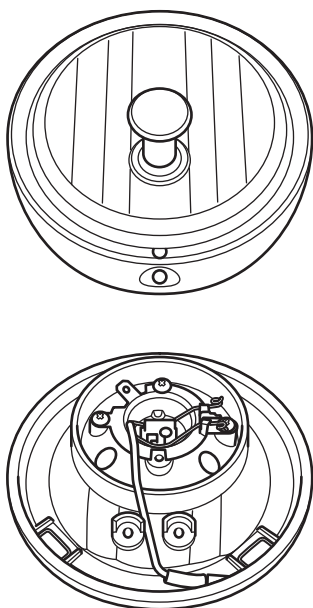
Models affected: Thunderbird LT - All Markets Except Brazil, Canada and the USA

New fog lights have been introduced to the above model from VIN 660121 and are retrofittable. Parts no longer support the original condition.

The bulb wattage for the new condition fog lights has changed from 55 W to 35 W and the electrical connector is different.

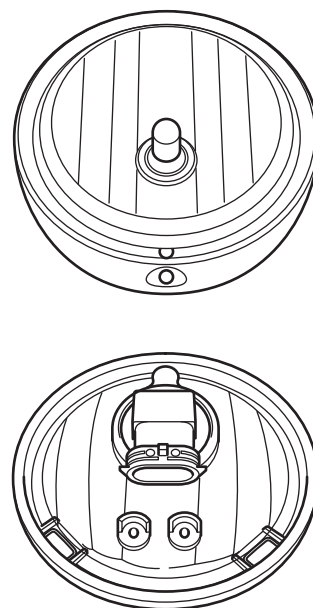
The illustration below shows the visual differences between the original and new condition fog lights.

Original condition



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New condition



Visual differences between Original and New Condition Fog Lights

Models built from VIN 660121

- The replacement bulb is H8 12 V 35 W.

Models built prior to VIN 660121

- If fitted with the original condition fog lights, the replacement bulb is H3 12 V 55 W.
- If fitted with the original condition fog lights and a fog light unit is to be replaced, both fog light units must be replaced. To facilitate this a spares kit (part number T2702727) is available.
- If fitted with the new condition fog lights, the replacement bulb is like for like H8 12 V 35 W.
- If fitted with the new condition fog lights, the fog lights can be replaced like for like. Refer to the EPC.

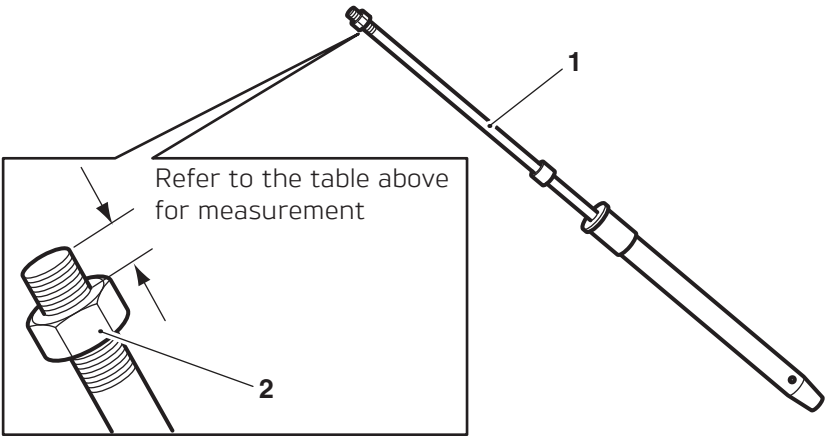
Please mark your copy of the Service Manual with this information.

Item 3.

Description: Front Forks
Models affected: Daytona 675 up to VIN 381274, Daytona 675 from VIN 381275 to VIN 564947 and Street Triple R up to VIN 560476

The measurement for the exposed thread above the damper rod lock nut described in the Service Manual for the above models is not correct.
When assembling the front forks of the above models, refer to the table below for the correct measurement of the damper lock nut position.

Model	VIN Range	Measurement
Daytona 675	Up to VIN 381274	12 mm
Daytona 675	From VIN 381275 to VIN 564947	11 mm
Street Triple R	Up to VIN 560476	11 mm



- 1. Damper assembly
- 2. Lock nut

Please mark your copy of the Service Manual with this information.

Item 4.

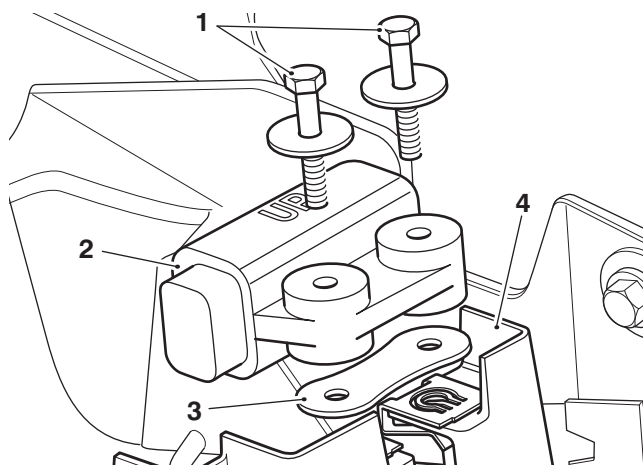
Description: Fall Detection Switch Retention Plate

Models affected: Tiger 800, Tiger 800 ABS, Tiger 800XC, Tiger 800XC ABS and Tiger 800XC SE

A retention plate located below the fall detection switch has been introduced to the above model from VIN 663379.

The removal and installation of the fall detection switch is as described in the Service Manual noting the addition of the retention plate.

The illustration below shows the location of the retention plate.



- 1. Fixings
- 2. Fall detection switch
- 3. Retention plate
- 4. Battery tray

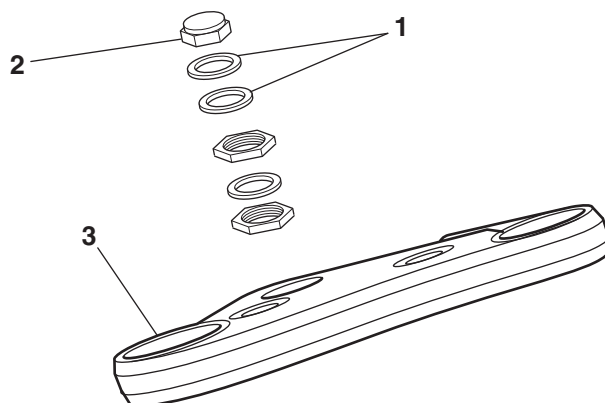
Please mark your copy of the Service Manual with this information.

Item 5.

Description: Upper Yoke Washers

Models affected: Thunderbird ABS and Thunderbird Storm ABS

A second washer has been introduced to the above models from VIN 655530 and is located with the original washer between the upper yoke and its top nut. The torque figure for the top nut remains at **65 Nm**.



- 1. Top nut
- 2. Washers
- 3. Upper yoke

Please mark your copy of the Service Manual with this information.

Item 6.

Description: ABS Brake Lines to ABS Modulator

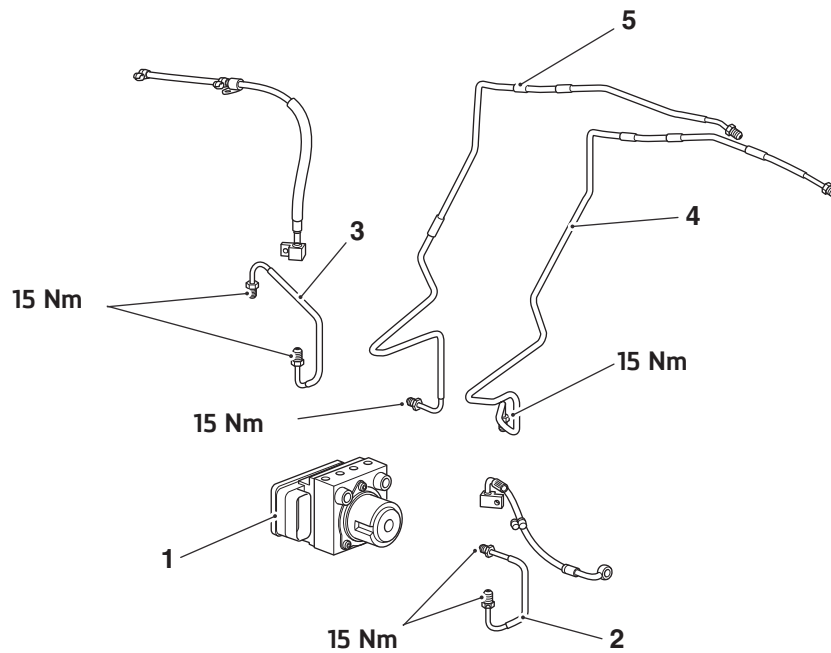
Models affected: Rocket III Touring ABS, Rocket III Roadster, Thunderbird ABS, Thunderbird SE and Thunderbird Storm

The torque figure for the 10 mm unions on ABS brake lines have changed to **15 Nm** on the above models.

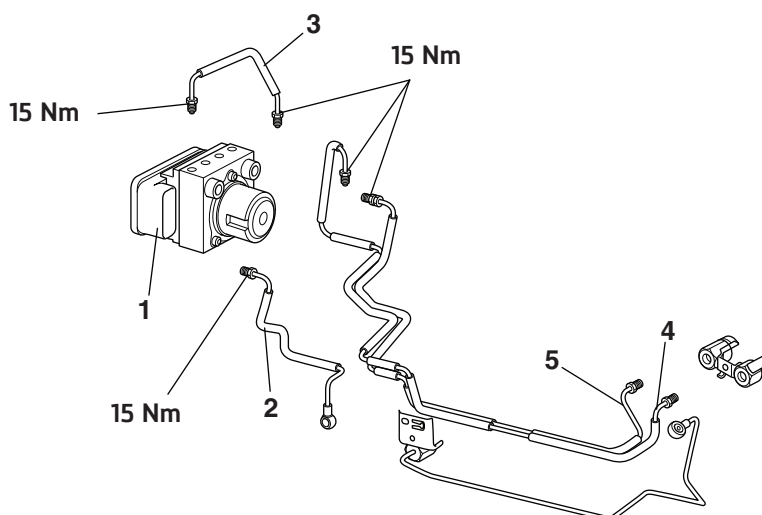
Note:

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

Rocket III Touring ABS and Rocket III Roadster



1. ABS modulator
2. ABS brake line (rear brake master cylinder)
3. ABS brake line (rear brake caliper)
4. ABS brake line (front brake caliper)
5. ABS brake line (front brake master cylinder)



1. ABS modulator
2. ABS brake line (rear brake master cylinder)
3. ABS brake line (rear brake caliper)
4. ABS brake line (front brake caliper)
5. ABS brake line (front brake master cylinder)

Please mark your copy of the Service Manual with this information.

Item 7.

Description: Centre Stand and Plastic Cover

Models affected: Tiger Explorer and Tiger Explorer XC

A plastic cover has been fitted to the centre stand on the above models from VIN 666617. The plastic cover is to prevent stone chip damage to the cross member of the centre stand.

For models built from VIN 666617 replacement parts are like for like, refer to the EPC.

If a new centre stand is required for models built prior to VIN 666617, a spares kit (part number 2081375) is available.

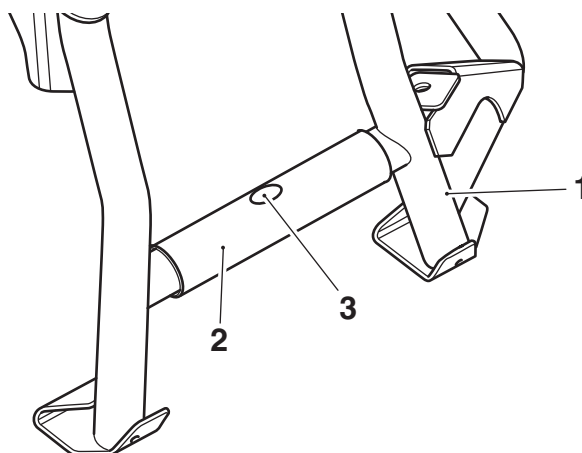
The spares kit consists of the following items:

- Centre stand
- Plastic cover
- Fir tree clip.

Assemble the spares kit following the procedure described below:

1. Remove the original centre stand from the motorcycle and discard the two fixings.
2. Fit the centre stand from the kit and tighten the new fixings to **50 Nm**.

3. Fit the plastic cover to the centre stand, as shown below, aligning the hole in the cover to the hole in the centre stand and fit the fir tree clip.



1. Centre stand
2. Plastic cover
3. Fir tree clip

Please mark your copy of the Service Manual with this information.

Item 8.

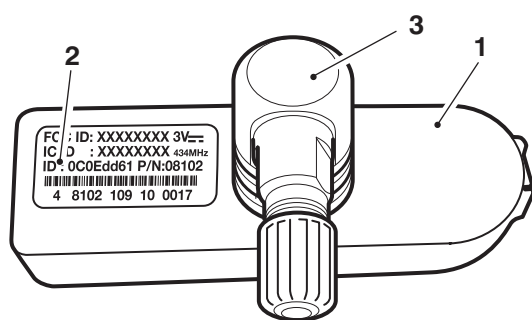
Description: Tyre Pressure Sensor, TPMS

Models affected: Models Fitted With TPMS

A new tyre pressure sensor has been introduced and is retrofittable. Parts will no longer support the original condition tyre pressure sensor.

The only visible difference between the original and new condition tyre pressure sensor is the tyre valve and the label with the sensor's ID number, as shown in the illustration below:

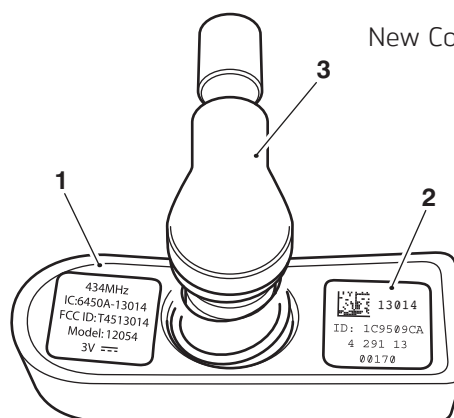
Original Condition



T0912_1

1. Tyre pressure sensor
2. Sensor ID number
3. Tyre valve

New Condition



It is not necessary to replace both wheel tyre pressure sensors if replacing one of the original sensors with the new condition sensor.

Always refer to the Chassis Diagnostic section in the Triumph Diagnostic Tool User Guide when replacing the tyre pressure sensor(s).

Please mark your copy of the Service Manual with this information.

Item 9.

Description: Engine Covers

Models affected: Tiger 1050 ABS, Tiger Sport, Speed Triple 1050 ABS, Speed Triple 1050 R ABS, Speed Triple 1050, Speed Triple 1050 R

The torque figure for the following engine cover fixings has changed to **10 Nm** on the above models:

- Alternator cover
- Clutch cover
- Crankshaft cover - from engine number 461332
- Starter motor cover.

Note:

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

The tightening sequence is as described in the relevant Service Manual and Technical News 131 dated January 2012.

Please mark your copy of the Service Manual with this information.

Item 10.

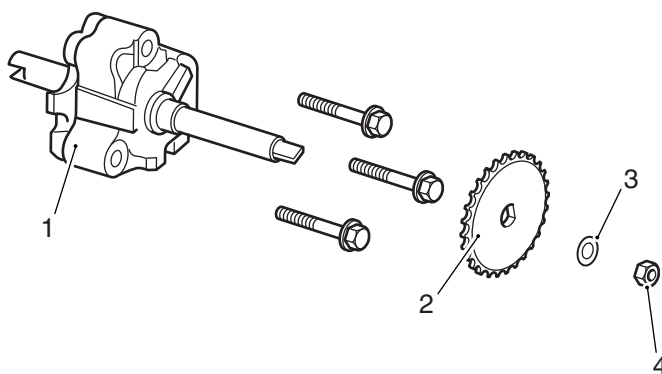
Description: Oil Pump

Models affected: Rocket III Touring ABS and Rocket III Roadster ABS

A washer has been introduced to the oil pump on the above models from engine number 655147. It is positioned between the oil pump sprocket and the lock nut. The addition of the washer enables the lock nut to have a greater thread engagement.

If the oil pump has been removed from engines built up to engine number 655146, Triumph recommend that a M10 washer (part number T3550239) is fitted between the oil pump sprocket and the lock nut on installation.

The torque figure for the lock nut remains at **30 Nm**.



1. Oil pump
2. Sprocket
3. Washer
4. Lock nut

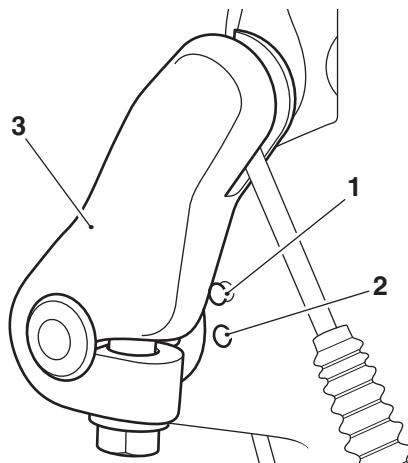
Please mark your copy of the Service Manual with this information.

Item 11.

Description: Clutch Cover

Models affected: Thunderbird - All Models

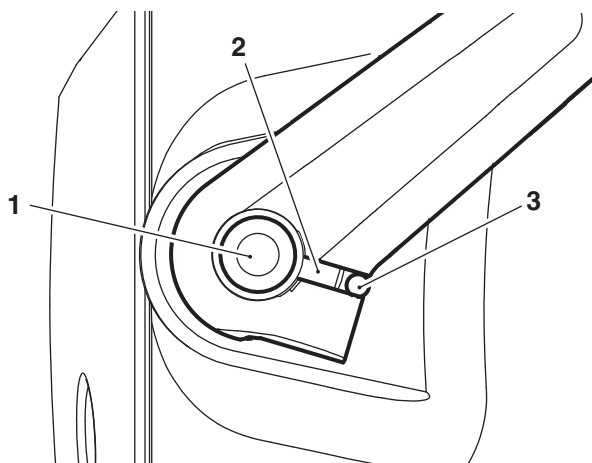
A new clutch cover has been introduced to the above models which has a single dot and two dot alignment marks for the clutch actuation lever. Due to the various finishes of the clutch covers, the new clutch cover has been introduced at various engine numbers with the first at engine number 669585.



- 1. Two dot alignment mark
- 2. Single dot alignment mark
- 3. Clutch actuation lever

All Models Except Thunderbird Commander and Thunderbird LT

With the clutch cable attached to the actuation lever, rotate the clutch shaft clockwise until the shaft makes contact with the clutch pressure plate bearing. Align the split to the single dot alignment mark and fit the actuation lever to the clutch shaft as described in the Service Manual.

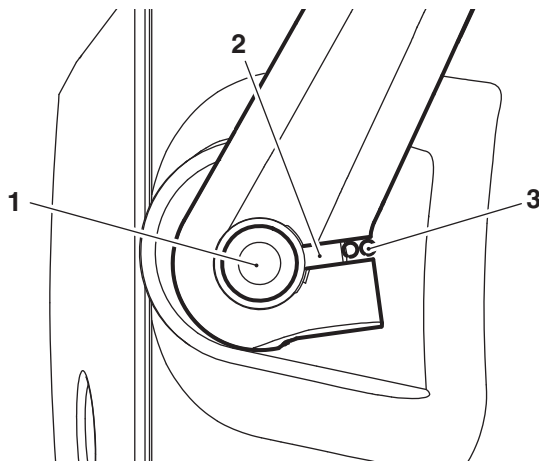


- 1. Clutch shaft
- 2. Split
- 3. Single dot alignment mark

Thunderbird Commander and Thunderbird LT

The Thunderbird Commander and Thunderbird LT clutch cables are longer than the other Thunderbird models clutch cable.

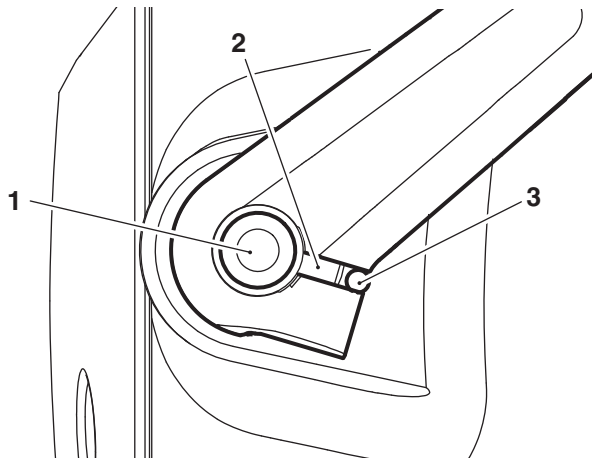
With the clutch cable attached to the actuation lever, rotate the clutch shaft clockwise until the shaft makes contact with the clutch pressure plate bearing. Then align the split line in the clutch actuation lever to the two dot alignment marks on the clutch cover then fit the lever as described in the Service Manual.



- 1. Clutch shaft
- 2. Split
- 3. Two dot alignment mark

For Thunderbird Commander and Thunderbird LT with the single dot mark on the clutch cover: Refer to the Service Manual for the alignment of the clutch actuation lever noting the following:

1. Rotate the clutch shaft clockwise until the shaft makes contact with the clutch pressure plate bearing. Then align the split in the clutch actuation lever to the single dot mark on the clutch cover.



- 1. Clutch shaft
- 2. Split
- 3. Single dot alignment mark

2. While holding the clutch shaft in position, rotate the actuation lever **two** splines anti-clockwise then fit to the shaft.

Please mark your copy of the Service Manual with this information.

Item 12.

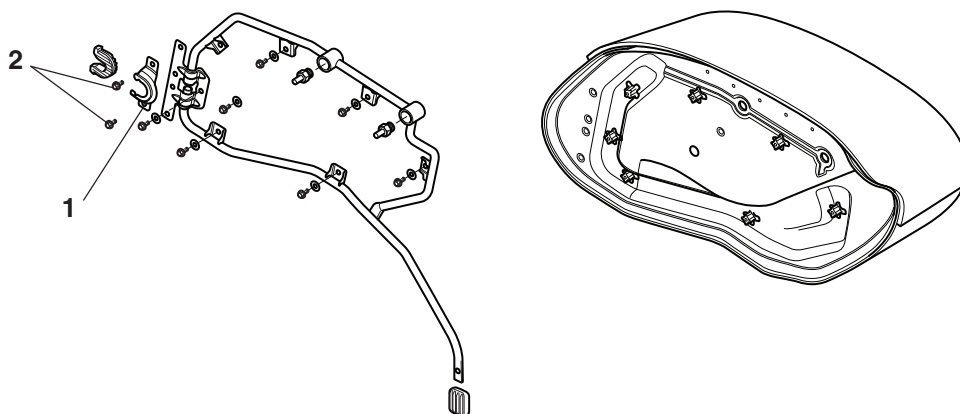
Description: Pannier Rear Mounting Bracket

Models affected: Thunderbird Commander and Thunderbird LT

The torque figure for the rear mounting bracket fixings on the panniers has changed to **9 Nm** on the above models.

Note:

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



1. Rear mounting bracket

2. Fixings

Please mark your copy of the Service Manual with this information.

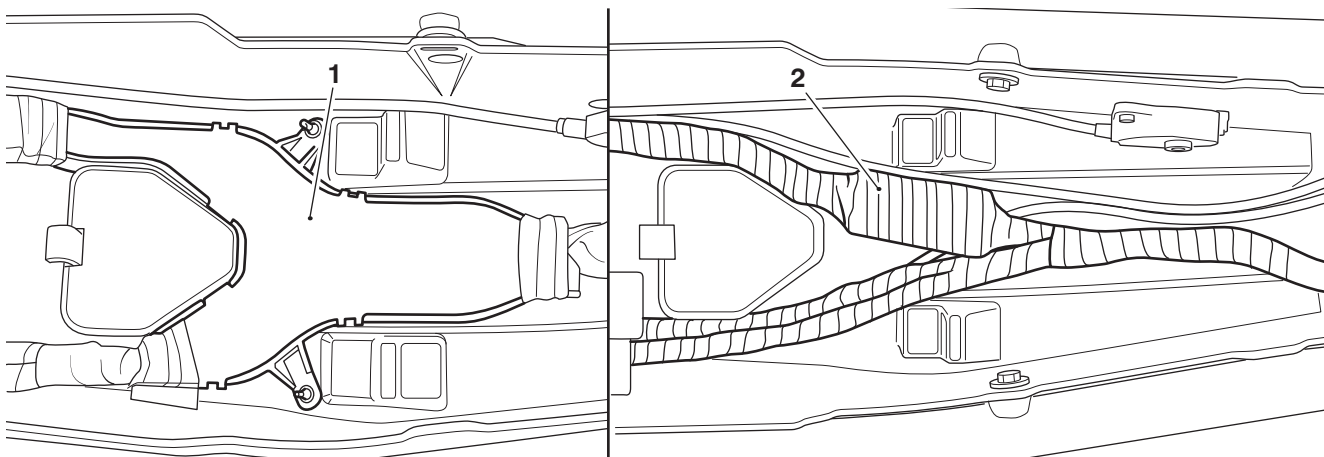
Item 13.

Description: Main Harness Conduit

Models affected: Tiger Sport and Tiger 1050 ABS

A new conduit has been introduced to the main harness on the above models from VIN 670284 and is retrofittable.

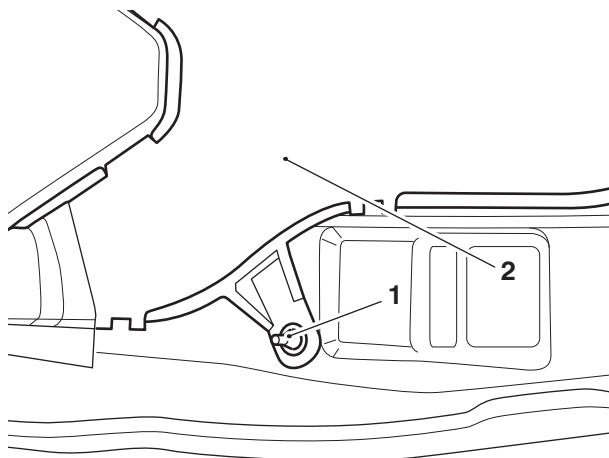
Parts no longer support the harness with the original condition conduit.



1. Harness conduit, new condition

2. Harness conduit, original condition

The new conduit is held in position by the two scrivets that secure the front of the rear panel to the battery tray.



- 1. Scrivet
- 2. Conduit

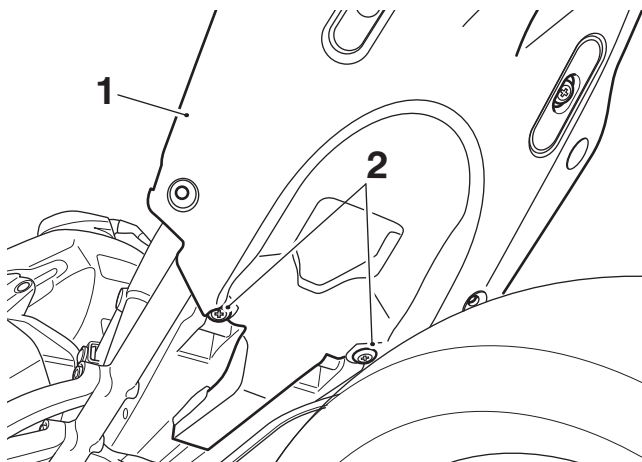
Models from VIN 670284

Replacement parts are like for like, refer to the EPC.

Models up to VIN 670283

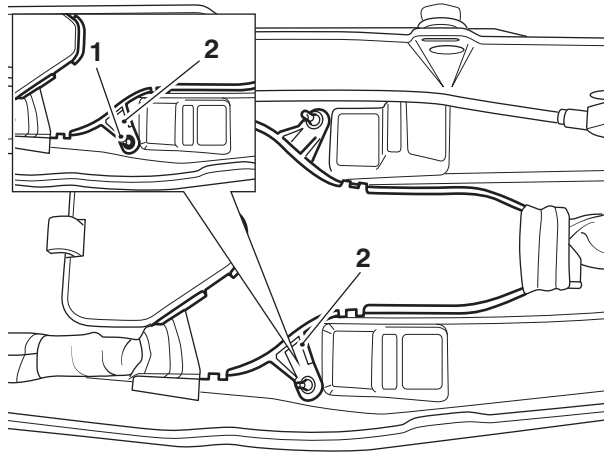
When fitting the new condition harness, the following actions must also be carried out for the conduit:

1. Remove the scrivets securing the front of the rear panel to the battery tray.



- 1. Rear panel
- 2. Scrivets

2. With the conduit positioned in the battery tray as shown below, refit the two scrivenets ensuring they also secure the harness conduit.



1. Scrivet
2. Conduit

Please mark your copy of the Service Manual with this information.

Item 14.

Description: Detent Wheel and Pivot Plate

Models affected: Tiger 800, Tiger 800XC All Models and Daytona 675 All Models from VIN 564948

A new detent wheel and pivot plate for the gear selector mechanism has been introduced to the above models from engine number 662498.

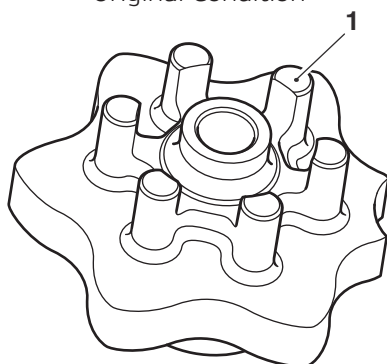
The differences between the original and new condition parts are as follows:

Detent Wheel

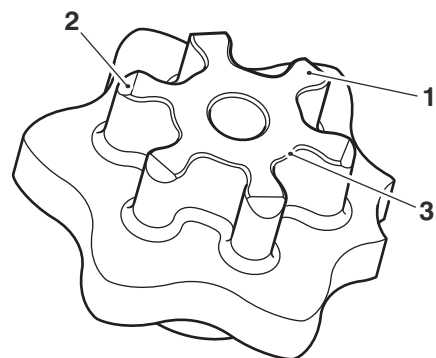
The following areas of the detent wheel have changed compared to the original condition:

- Profiled cut-outs to the pins
- Strengthening webs between the pins and the main body.

Original Condition



New Condition



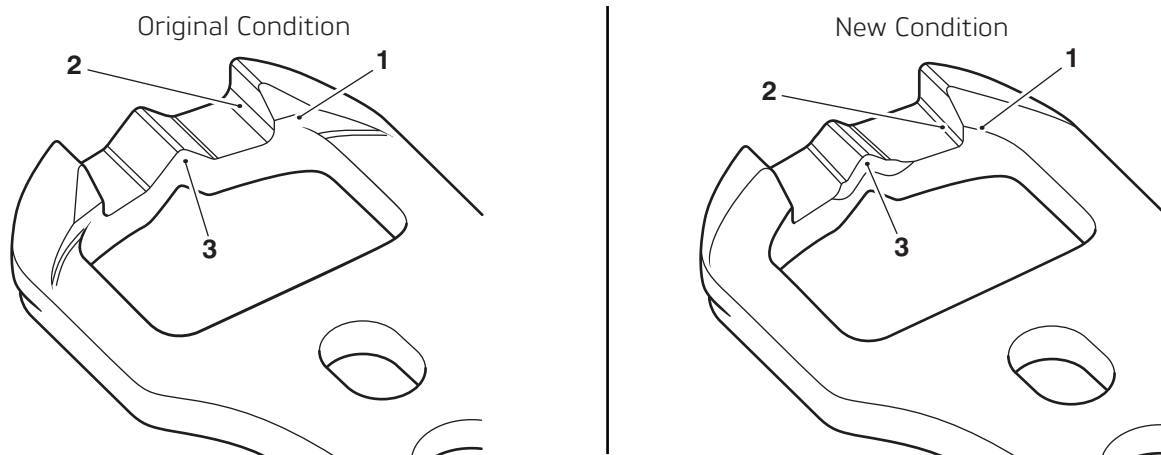
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1. Pins
2. Profiled cut-outs
3. Strengthening web

Pivot Plate

The following areas of the pivot plate have changed compared to the original condition:

- The ramp of the driving claw
- The central claw is smaller
- The root radius of the driving claw is smaller.



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1. Driving claw
2. Root of driving claw
3. Central claw

Replacing the Detent Wheel and/or the Pivot Plate

For engines built prior to engine number 662498:

- If replacing the pivot plate with a new condition part, the detent wheel must also be replaced with the new condition detent wheel. To facilitate this, a spares kit (part number T1194905) is available.
- If replacing the original condition detent wheel, the new condition detent wheel can be fitted without renewing the pivot plate.

For engines built from engine number 662498, the items can be replaced like for like, refer to the EPC.

Please mark your copy of the Service Manual with this information.

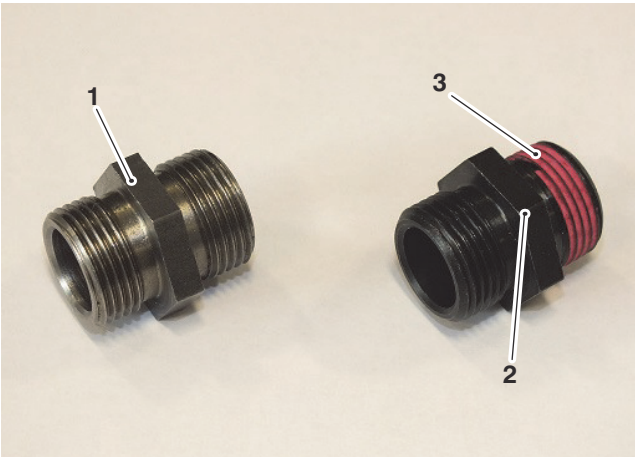
Item 15.

Description: Oil Filter Adaptor

Models affected: 675 cc Engines, 790 cc Engines, 800 cc Engines, 865 cc Engines, 1215 cc Engines, 1600 cc Engines, 1700 cc Engines, 2300 cc Engines - Fitted with the Oil Filter Adaptor Part Number T1210438 or T1210523

A new oil filter adaptor has been introduced to the above engines. The original adaptor, part number T1210523, requires ThreeBond 1305 to be added to the threads for the crankcase side and is torqued to **10 Nm**. The new adaptor, part number T1210438, is darker in colour and has the pink encapsulating compound on the threads for the crankcase side and is torqued to **16 Nm**.

Below is a colour illustration showing the differences between the original and new condition oil filter adaptors.



- 1. Original condition oil filter adaptor, part number T1210523
- 2. New condition oil filter adaptor, part number T1210438
- 3. Encapsulating compound, coloured pink

Engines Fitted with the Original Engine Oil Filter Adaptor

For engines with the original oil filter adaptor, if removed from the crankcase side the threads must be cleaned and fresh ThreeBond 1305 applied to the threads for the crankcase side only and torqued to **10 Nm**. If a new oil filter adaptor is to be fitted, fit the new condition adaptor with the encapsulated compound. Fit the threads with the encapsulated compound to the crankcase side and tighten to **16 Nm**.

Engines Fitted with the New Condition Engine Oil Filter Adaptor

For engines with the new condition oil filter adaptor, if removed from the crankcase side it must be discarded and a new one fitted with the encapsulated threads to the crankcase side and torqued to **16 Nm**.

Please mark your copy of the Service Manual with this information.

Circulation

Initial and date when read and return to central file holder

Service Manager	Parts Manager	Sales Manager	Workshop Supervisor	Technician 1	Technician 2

Appendix A

All Current Models, Service Manual Part Numbers and Issue Levels							
Model	English	French	German	Italian	Japanese	Spanish	Brazilian
America, Speedmaster	T3856095 Issue 1	T3856097 Issue 1	T3856096 Issue 1	T3856098 Issue 1	Not Available	T3856099 Issue 1	Not Available
Bonneville, Bonneville SE, Bonneville T100 (including Steve McQueen™ Edition and Bonneville 110 th Edition), Scrambler, Thruxton	T3856666 Issue 1	T3856662 Issue 1	T3856661 Issue 1	T3856663 Issue 1	T3856665 Issue 1	T3856664 Issue 1	T3856667 Issue 1
Daytona 675, Daytona 675R - up to VIN 564947 Street Triple, Street Triple R - up to VIN 560476	T3856771 Issue 1	T3856773 Issue 1	T3856772 Issue 1	T3856774 Issue 1	Not Available	Not Available	Not Available
Daytona 675, Daytona 675R - from VIN 564948 Street Triple, Street Triple R - from VIN 560477	T3856909 Issue 1	T3856912 Issue 1	T3856911 Issue 1	T3856913 Issue 1	T3856916 Issue 1 (supplement not required)	T3856914 Issue 1	T3856915 Issue 1
Supplement to bring Service Manual up to issue 2	T3856920	T3856923	T3856921	T3856924		T3856922	T3856925
Rocket III, Rocket III Classic, Rocket III Touring, Rocket III Roadster	T3851580 Issue 1	T3851581 Issue 1	T3851582 Issue 1	T3851583 Issue 1	Not Available	Not Available	Not Available
Speed Triple 1050, Speed Triple R 1050 from VIN 461332	T3856544 Issue 1	T3856545 Issue 1	T3856546 Issue 1	T3856547 Issue 1	Not Available	T3856549 Issue 1	T3856548 Issue 1
Sprint GT 1050 ABS, Sprint ST 1050, Sprint ST 1050 ABS	T3856075 Issue 1	T3856076 Issue 1	T3856077 Issue 1	T3856078 Issue 1	T3856079 Issue 1	Not Available	Not Available
Thunderbird, Thunderbird SE, Thunderbird Storm, Thunderbird Commander, Thunderbird LT	T3850890 Issue 1	T3850892 Issue 1	T3850891 Issue 1	T3850893 Issue 1	T3850895 Issue 1	T3850894 Issue 1	Not Available
Tiger 800, Tiger 800 ABS, Tiger 800XC, Tiger 800XC ABS	T3856760 Issue 1	T3856762 Issue 1	T3856761 Issue 1	T3856763 Issue 1	T3856766 Issue 1	T3856765 Issue 1	T3856764 Issue 1
Tiger 1050, Tiger 1050 ABS, Tiger Sport	T3857375 Issue 1	T3857376 Issue 1	T3857377 Issue 1	T3857378 Issue 1	Not Available	T3857379 Issue 1	Not Available
Tiger Explorer, Tiger Explorer XC	T3852795 Issue 1	T3852796 Issue 1	T3852797 Issue 1	T3852798 Issue 1	T3852799 Issue 1	T3852788 Issue 1	T3852787 Issue 1
Trophy, Trophy SE	T3852790 Issue 1	T3852791 Issue 1	T3852792 Issue 1	T3852793 Issue 1	T3852814 Issue 1	T3852794 Issue 1	Not Available