



**Service Bulletin 521**  
**Issue 1 - January 2015**

<b>Subject: Alternator De-coupler</b>				
<b>Bulletin Number</b>	<b>Models Affected</b>	<b>VIN Range</b>		<b>Markets Affected</b>
521	Tiger Explorer Tiger Explorer XC Trophy SE	From	683888	All
		To	694924	

**Background Information**

We have identified a need to carry out the following additional checks at PDI or at the motorcycles next visit to the dealership:

- To check the torque of the six M4 screws on the alternator de-coupler.

**Customer Contact Instructions**

Motorcycles in the affected VIN range must be modified prior to delivery to the customer, or at the next visit to the dealership.

**Identification of Affected Motorcycles**

Tiger Explorer, Tiger Explorer XC and Trophy SE listed in the VIN range above.

**Warranty Claim Instructions**

Bulletin Number	Fault Code	Repair Code	Description	Repair Time Allowance
521	01301091	99521	Tiger Explorer and Tiger Explorer XC: To check and retighten the six M4 screws on the alternator de-coupler	1.5 hours
			Trophy SE: To check and retighten the six M4 screws on the alternator de-coupler	3.0 hours

**Genuine Parts Information**

For Tiger Explorer and Tiger Explorer XC

Bulletin Number	Part Number	Description	Quantity
521	T1302207	Rubber Cap, De-coupler	1
	T3350124	Nut, M10 x 1.25 mm	1
	T3205081	Bolt, HHF, LGHTD, M6 x 1.0 x 28 mm, Encapsulated	2
	T3330649	Screw, PAN/HD, TX, M5 x 0.8 x 12 mm, SLV	1
	T3331042	Screw, PAN/HD, TX, M6 x 1.0 x 30 mm, Encapsulated	2
	T3331726	Screw, BUT/HD, M6 x 1.0 x 12 mm, SLV	2
	T3330728	Screw, PAN/HD, TX, M5 x 0.8 x 1.6 mm, SLV	4

For Trophy SE

Bulletin Number	Part Number	Description	Quantity
521	T1302207	Rubber Cap, De-coupler	1
	T3350124	Nut, M10 x 1.25 mm	1
	T2020609	Bolt, Disc, M8 x 1.25 x 30 mm, SLV, Encapsulated	3

**Genuine Parts Ordering Instructions . . . . .** **For Triumph Subsidiary and Overseas Distributor dealers using Triumph Warranty On-Line with Parts Auto Ordering Flag switched on:** Order all repair parts by submitting a New Prior through the Warranty On-Line system. Entering the above repair code in a New Prior will automatically add the parts required and labour times for this Service Bulletin.

**For Overseas Distributor dealers NOT using Triumph Warranty On-Line or for Overseas Distributor dealers using Triumph Warranty On-Line with Parts Auto Ordering Flag switched off:** Orders should be placed using the normal parts ordering procedure.

**Genuine Parts Return Instructions . . . . .** Dealer to retain parts for 90 days. All parts must be stored in a secure, non-public accessed area and correctly identified with a completed warranty label. Thereafter the parts must be rendered unusable prior to scrapping.

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### Other Instructions

Before returning the motorcycle to the customer, download the latest calibration to the engine control module using the current version of the Triumph diagnostic software.

Once completed, please mark the Service Record Book that the requirements of this bulletin have been complied with.

### Checking Procedure

Complete the checks as described in the procedures detailed below.

 **Warning**

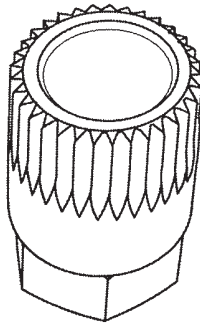
A torque wrench of known accurate calibration must be used when tightening the six M4 screws on the alternator de-coupler. Failure to tighten the alternator de-coupler screws to the correct torque specification may result in loss of motorcycle control and an accident.

 **Warning**

Throughout the following procedure, ensure that the motorcycle is stabilised and adequately supported to prevent the risk of injury from the motorcycle falling.

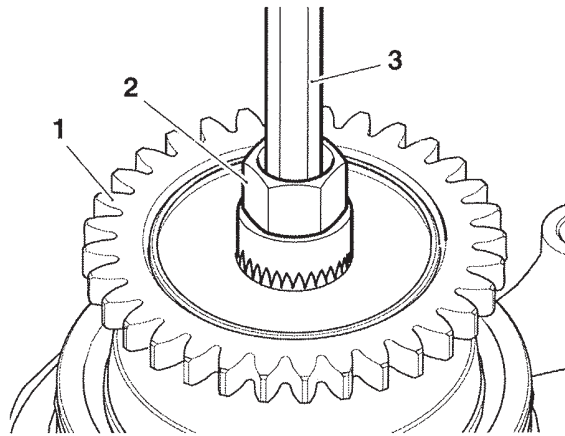
### All Models

1. Remove the alternator as described in the relevant Service Manual.
2. Remove and discard the rubber cap from the alternator de-coupler and drive gear assembly.
3. Fit Alternator Wrench T3880602 to the splines of the alternator de-coupler and drive gear assembly.



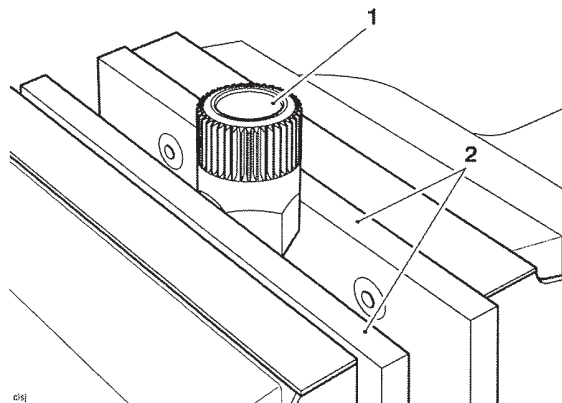
**Alternator Wrench T3880602**

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- Prevent the alternator from turning using a spanner on the Alternator Wrench T3880602, and loosen the de-coupler and drive gear assembly nut using an 8 mm Allen key.



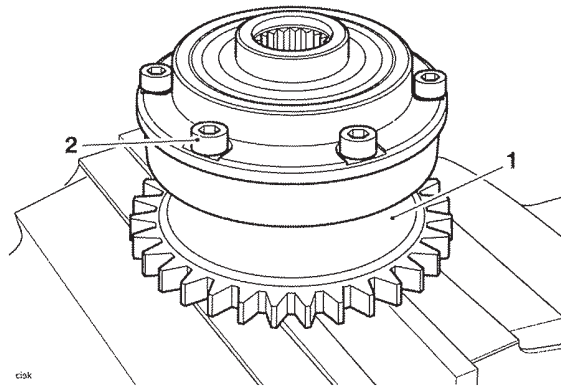
- Alternator de-coupler
- Alternator Wrench T3880602
- 8 mm Allen key

- Remove the Alternator Wrench T3880602 and fully remove the nut. Discard the nut.
- Remove the de-coupler and drive gear assembly from the alternator spline.
- Place the service tool, Alternator Wrench T3880602, into a soft jaw vice with the splines uppermost.



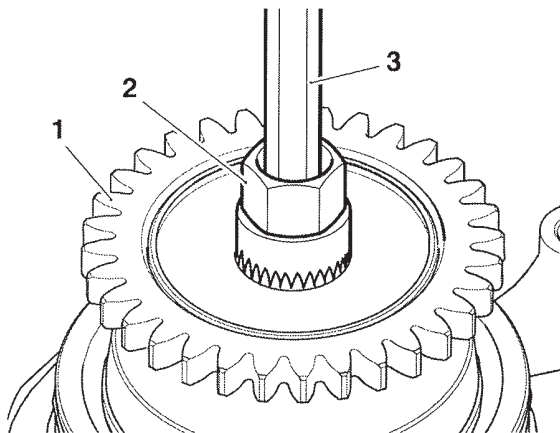
- Service tool, Alternator Wrench T3880602
- Soft jaws

8. Fit the alternator de-coupler to the service tool with the six M4 screws facing upwards.



1. De-coupler  
2. M4 screws (four shown)

9. Tighten the drive gear to de-coupler M4 screws to **3 Nm**.  
10. Remove the alternator de-coupler and service tool from the vice.  
11. Fit the de-coupler to the alternator and fit a new nut.  
12. Fit the Alternator Wrench T3880602 to the splines of the alternator de-coupler and drive gear assembly.  
13. Prevent the alternator from turning using a spanner on the Alternator Wrench T3880602 and tighten the new nut to **45 Nm**.



1. Alternator de-coupler  
2. Alternator Wrench T3880602  
3. 8 mm Allen key

14. Refit the alternator to the motorcycle, as described in the relevant Service Manual.

### Circulation

Initial and date when read and return to central file holder

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