



Service Bulletin 507

Strictly Confidential

February 2014

Affected Models Thunderbird Commander and Thunderbird LT

VIN Range VIN 622314 to VIN 643914

Markets All Markets Except USA, Canada and Brazil

Subject Additional PDI Checks

Background Information

We have identified a need to carry out the following additional PDI checks:

- Retorque exhaust heat shield fixings
- Replacement brake hard line clips
- Reroute right hand oxygen sensor harness
- Check routing of the cooling fan harness.

Customer Contact Instructions

Motorcycles in the affected VIN range must be modified prior to delivery to the customer.

Identification of Affected Motorcycles

Thunderbird Commander and Thunderbird LT listed in the VIN range above.

Warranty Claim Instructions

Fault code 02501097

Repair code 99507

Repair time allowance 0.50 hrs

Genuine Parts Information

Genuine parts 2 x T3700197 - Clip, Hose, 6.5D, Twin
1 x T3700016 - Cable Tie, 360 Long



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.

Other Instructions

Before returning the motorcycle to the customer, download the latest tune 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.

Additional PDI checks

Complete the additional PDI checks as described in the procedures detailed below.



Warning

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

Note:

- **Some affected motorcycles listed in the VIN range will have been modified and repaired by Triumph prior to their release from the factory.**
- **The modified motorcycles can be identified by checking the 'VIN Enquiry' on Triumphonline.net.**



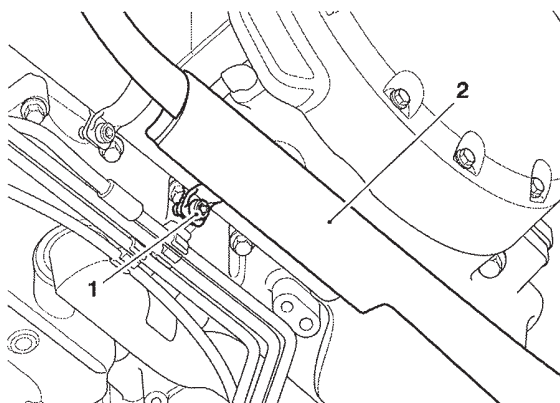
Exhaust Heat Shield Fixings



Warning

If the engine has recently been running, the exhaust system will be hot. Before working on or near the exhaust system, allow sufficient time for the exhaust system to cool as touching any part of the hot exhaust system could cause burn injuries.

1. Check and, if necessary, tighten the fixing for the left and right hand front exhaust heat shields to **9 Nm**.



1. Fixing

2. Front heat shield, right hand side

Brake Hard Line Clips Replacement

Note:

- **Note the position of the brake hard lines and clutch cable for installation.**

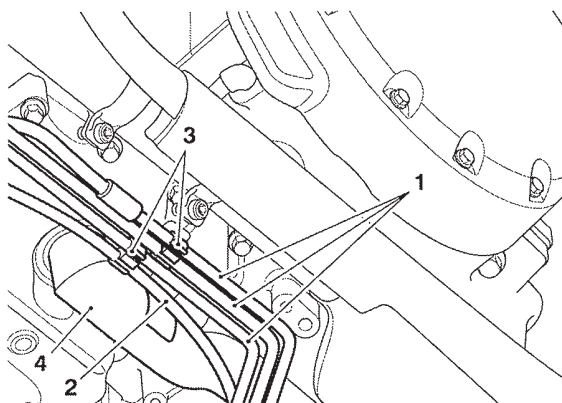
1. Detach the three brake hard lines and the clutch cable from their clips located on the bracket near the coolant pipe under the engine.

Note:

- **Note the orientation of the two clips for the installation of the new clips.**

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2. Using suitable pliers, remove the two plastic clips from the bracket.



1. Brake hard lines
2. Clutch cable
3. Clips
4. Coolant pipe

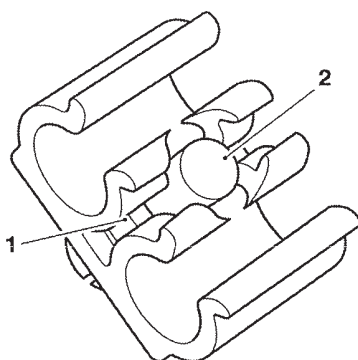


Caution

Do not use excessive force or a hammer to tap in the plastic rivet of the new clips. Use a suitable pin punch and push in the plastic rivet.

Use of excessive force or a hammer may break the centre lugs of the clip.

3. Position the new clips onto the bracket as noted for removal.
4. Using a suitable pin punch, carefully push in the plastic rivet until it clicks into position and is flush with the base of the clip.



1. Clip
2. Rivet

5. Attach the brake hard lines and clutch cable to the new clips as noted for removal.



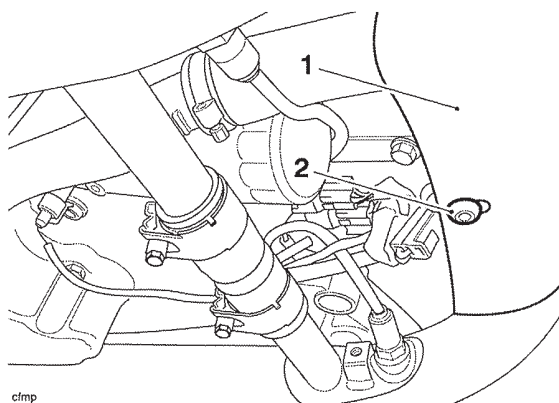
Reroute Right Hand Oxygen Sensor Harness



Warning

If the engine has recently been running, the exhaust system will be hot. Before working on or near the exhaust system, allow sufficient time for the exhaust system to cool as touching any part of the hot exhaust system could cause burn injuries.

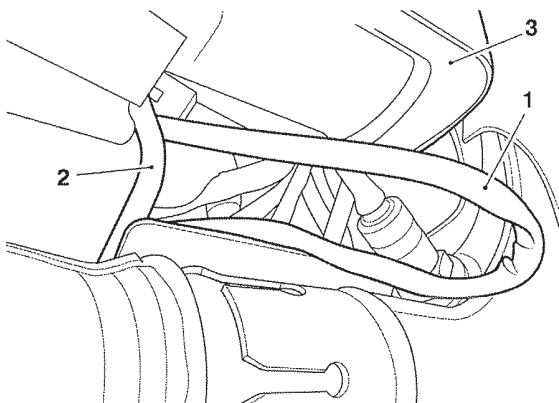
1. If fitted, release the fixing and remove the radiator cowl.



1. Radiator cowl

2. Fixing

2. Locate the harness for the right hand oxygen sensor and gather all the slack. Move the slack in the oxygen sensor harness to the left hand side of the radiator, ensure the harness is positioned behind the brake hard line.



1. Right hand oxygen sensor harness

2. Brake hard line

3. Radiator

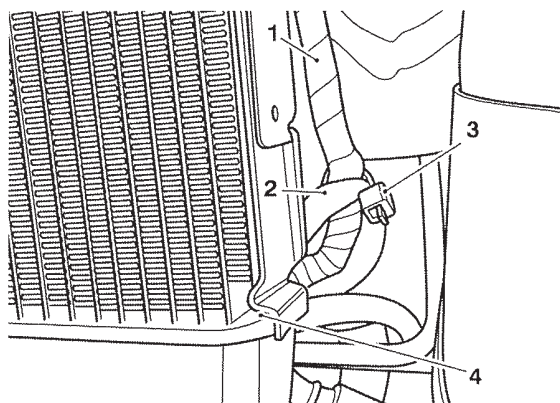


Warning

When securing electrical cables with cable ties, ensure the cable ties are fully tight. Ensure there is slack in the cables.

Failure to follow this warning may result in damage to the electrical cables which may lead to loss of motorcycle control and an accident.

3. Secure the harness for the right hand oxygen sensor to the main harness with a cable tie, as shown below. Cut off any excess cable tie.

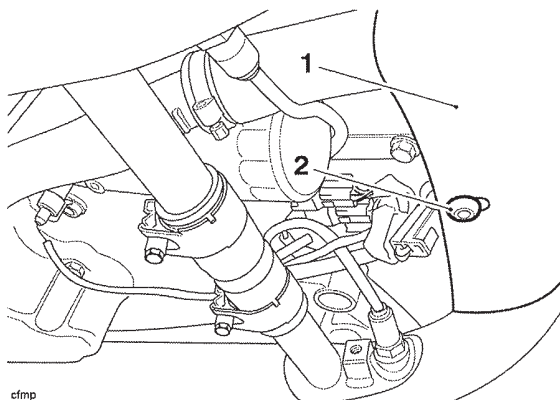


1. Main harness
2. Right hand oxygen sensor harness
3. Cable tie
4. Radiator

4. Refit the radiator cowl and tighten the fixing to **4 Nm**.

Cooling Fan Harness

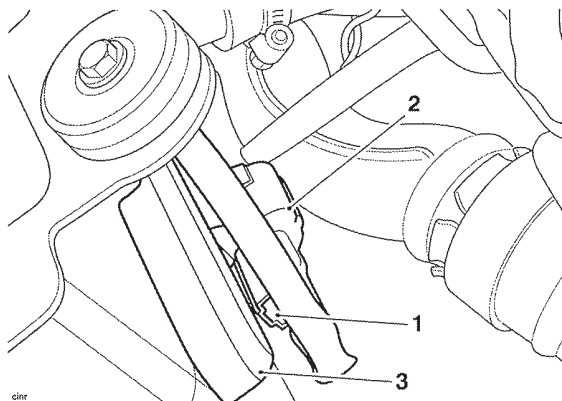
1. If fitted, release the fixing and remove the radiator cowl.



1. Radiator cowl
2. Fixing

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2. Release the locking device and detach the cooling fan multiplug from the lower end of the radiator.



1. Locking device
2. Multiplug
3. Radiator

3. Disconnect the cooling fan from the main harness.
4. Check the cooling fan part of the main harness for damage.

Note:

- If the harness shows any signs of damage, continue from step 5.
- If the harness has not been damaged, continue from step 8.

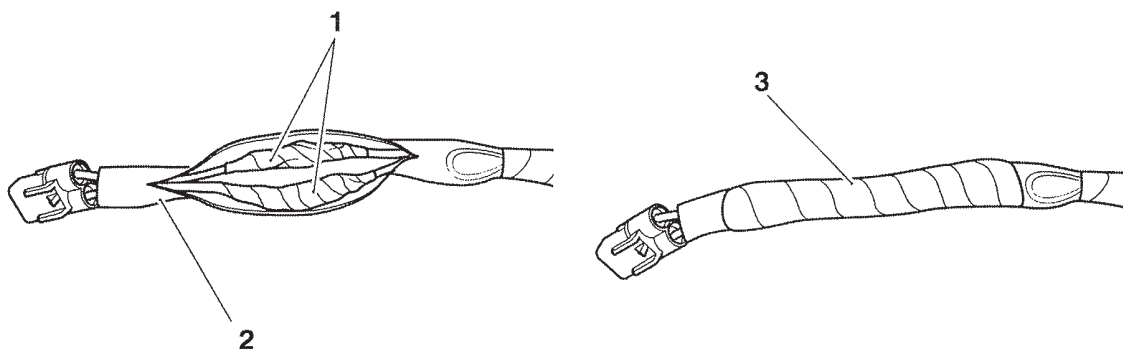
Harness Repair

Note:

- An additional 0.25 hours may be claimed via warranty for the repair of harness as described below.
5. Carefully, and without damaging the wires, slice along the damaged area of the covering for the cooling fan part of the main harness and check the condition of the two wires. Do not slice the covering from end to end.
 6. Depending on the condition of the wires carry out one of the following:
 - If the two wires are stuck together, separate the two wires and insulate each wire with insulating tape.
 - If the insulation around the wires is damaged, insulate each wire with insulating tape.

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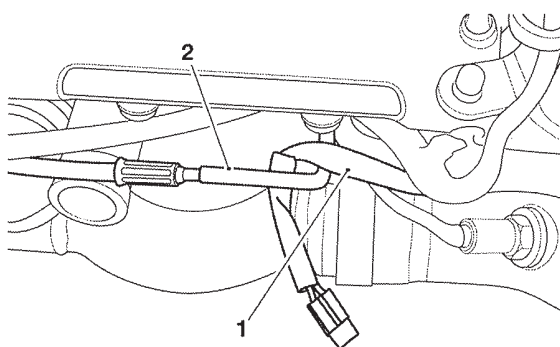
7. When the wires have been repaired or are serviceable, cover the wires with the harness covering and use black insulating tape to completely cover the slit, as shown in the illustration below.



1. Insulating tape, wire repair
2. Harness cover
3. Insulating tape, covering the cut in the harness cover

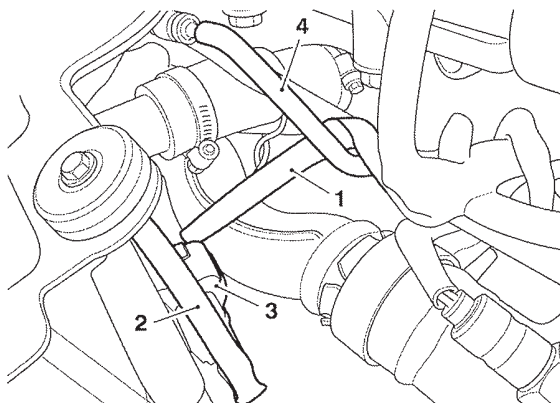
Routing of the Harness

8. Route the cooling fan part of the main harness over the top of the brake line, as shown below (radiator shown removed for clarity).



1. Main harness, cooling fan
 2. Brake line
9. Re-connect the cooling fan to the main harness and attach the multiplug onto its clip near the bottom of the radiator.

10. Ensure the cooling fan harness is routed as shown below, noting that the harness must pass over the brake hard line.



- 1. Main harness, for cooling fan
- 2. Cooling fan harness
- 3. Multiplug
- 4. Brake hard line

11. Refit the radiator cowl and tighten the fixing to **4 Nm**.
12. Check the operation of the cooling fan.

Circulation

(Initial and date when read and return to central file holder)

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