



Maserati Technical Bulletin

Date: May 30, 2019
Bulletin No.: MAS001885 – MTB 19-10 –
Sedan_Levante Coolant Crossover Pipe
Service Campaign: 384
Supersedes: n/a
Section: Engine, cooling system, pipes

MASERATI

SERVICE CAMPAIGN # 384

MODELS: Sedans and Levante equipped with Ferrari V6 Engines

SUBJECT: Coolant Crossover Pipe

DESCRIPTION

Maserati Quattroporte, Ghibli and Levante vehicles with V6 engines (Fig.1), are involved in a Service Campaign to check and if necessary, replace the Cooling system crossover pipe (#17 in Fig.2) due to a possible leak.



Fig.1

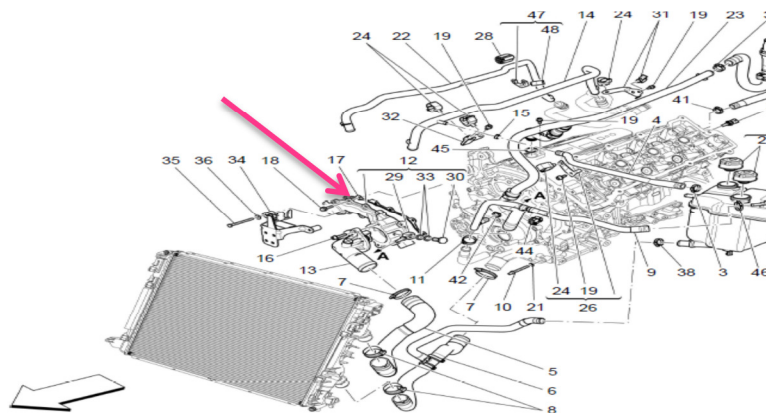


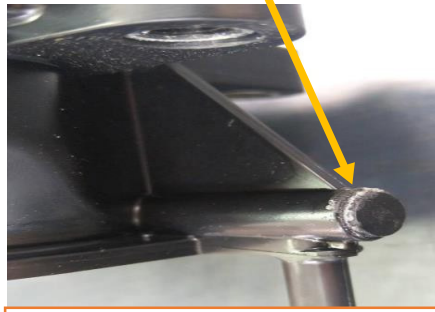
Fig.2

Check in ModisCS+ to determine if the vehicle is involved in this Service Campaign and if this campaign was not previously performed.

MASERATI has been informed that some engines had a coolant crossover pipe that could lead to a coolant leak from a plug that is glued in place rather than ultra-sonic welded in place as shown below.



Ultra-Sonic weld Cap

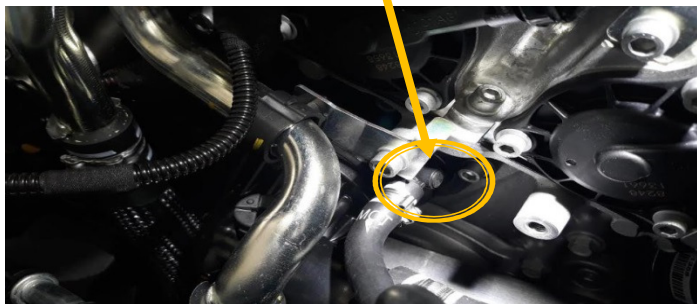


Glued Cap

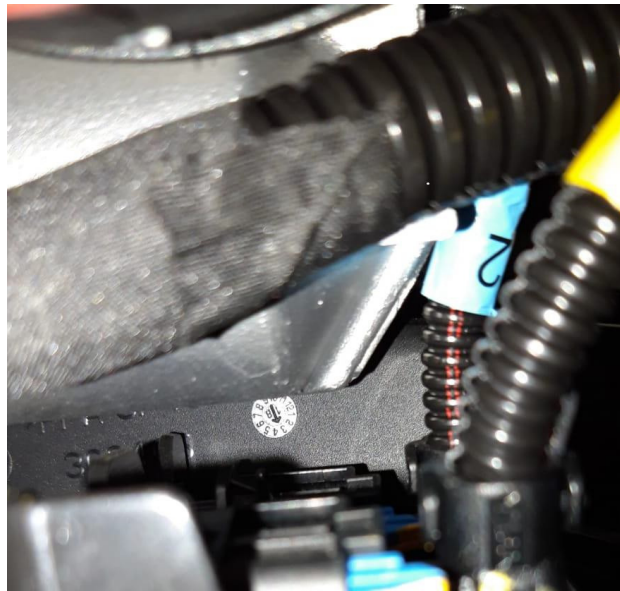
The glued cap will have traces of glue (see above) and must be replaced with a crossover pipe that has an "Ultra-sonic welded cap. (no traces of glue)

CHECKING PROCEDURE

1. Open the hood and locate the cap on the crossover pipe as shown below.





2. Check if the CAP is (Ultra-Sonic Welded) or (Glued). You can recognize the defective cap due traces of glue. Refer to the pictures on Page 2.
3. Also, check the date printed on the body of the crossover pipe near the crossover bracket as shown below.
 - If the production date is 03/18 the pipe must be replaced.
 - A BOL report must be entered with pic's attached and a PHD must be submitted with the BOL number to order parts.
 - If the production date is anything other than 03/18, the pipe is OK and will not need to be replaced.



CROSSOVER PIPE REPLACEMENT PROCEDURES

REQUIRED EQUIPMENT:  FLUID TOP-UP GRADUATED TANK p/n: 900028340

WARNING

-  Carry out this operation when the engine is cold.
-  When the engine is hot, do not open the expansion reservoir cap to avoid risk of burns.

PARTS INFORMATION

The below listed parts must be ordered from the Maserati Parts Dept. with a PHD listing the BOL number.

Quantity	Part Number	Description
1	326846	Crossover
1	262109	Collar
1	675000368	Collar

NOTES: The new crossover pipe will come with a new seal and new bolts.
The coolant must be recovered and re-used.

PROCEDURES

NOTE: The crossover pipe is a black plastic type. In this procedure you will see the older version aluminum type. The replacement procedure remains the same.

1. Remove the engine cover following the Workshop Manual Section: **09.15.001 Engine compartment cover**.
2. Drain engine coolant following the Workshop Manual Section: **00.20.021 - ENGINE COOLANT-System Emptying – Filling**
3. Remove LH air filter following the Workshop Manual Section: **01.41.002 - LH. AIR FILTER-Removal/refitting or replacement**
4. Loosen the water return pipe retaining clips for more space for the removal of the crossover pipe. (Fig.1)



Fig.1

- Remove the clamp (Fig.2) between the water pump and the heat exchanger water return pipe in order to have more space to work. Replace the clamp p/n: **262109** when re-assembling.

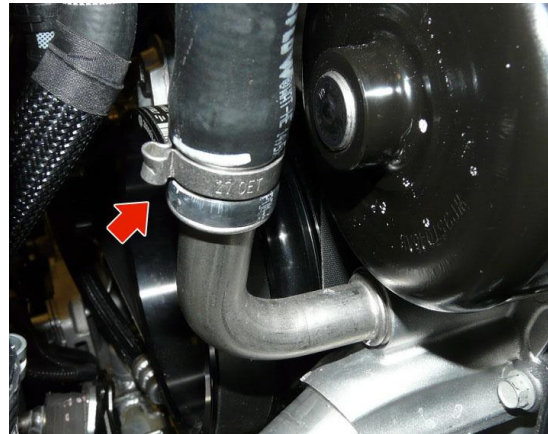
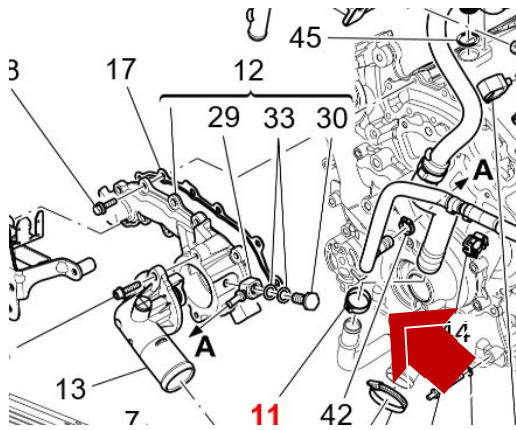


Fig.2

- Remove the throttle body following the Workshop Manual section **01.40.003 00 THROTTLE BODY- Removal/refitting or replacement**.
- Remove the 2 bolts from the thermostat to the crossover pipe. Separate the thermostat from the crossover pipe. (Fig.3)

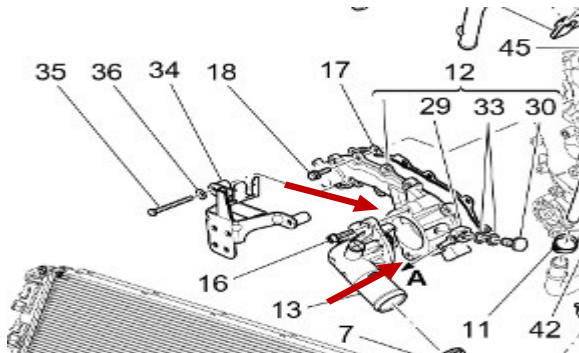
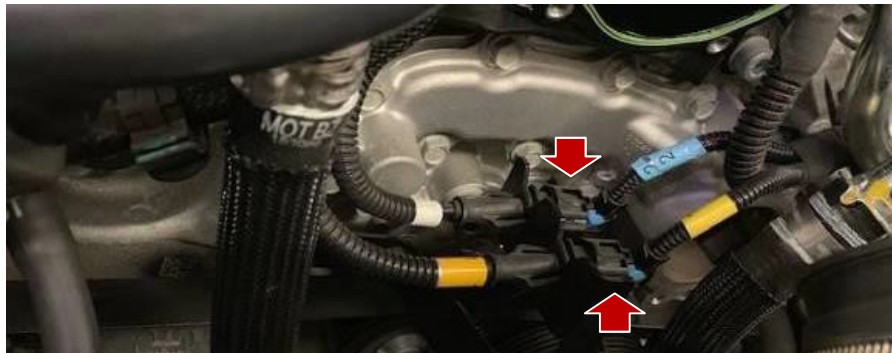


Fig.3

- Unclip the 2 wire harnesses from the securing bracket. (Fig.4)



(Fig.4)

- 9 Remove the MAIN VENT PIPE connection from the crossover pipe. (Red arrow in Fig.5) Replace the clamp p/n:**675000368** when re-assembling.



Fig.5

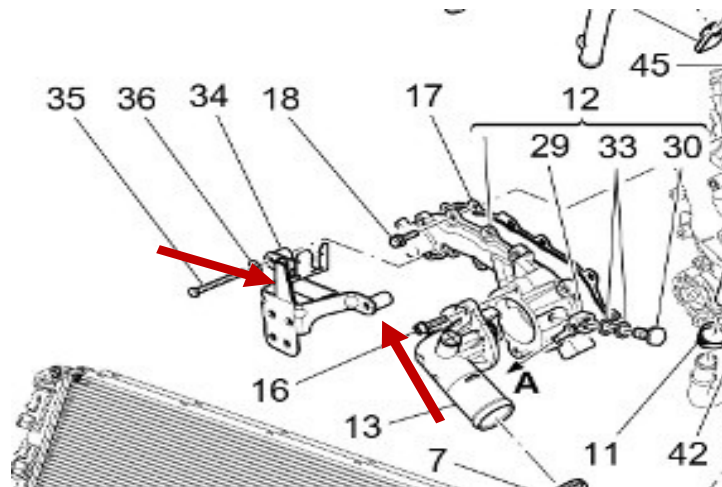


Fig.6

10. Remove the crossover bracket from the crossover pipe. (red arrows, Fig.6)
 11. Remove the 11 bolts, the crossover pipe and then remove the old gasket.

12. Install the new crossover pipe following the torque sequence in Fig.8.

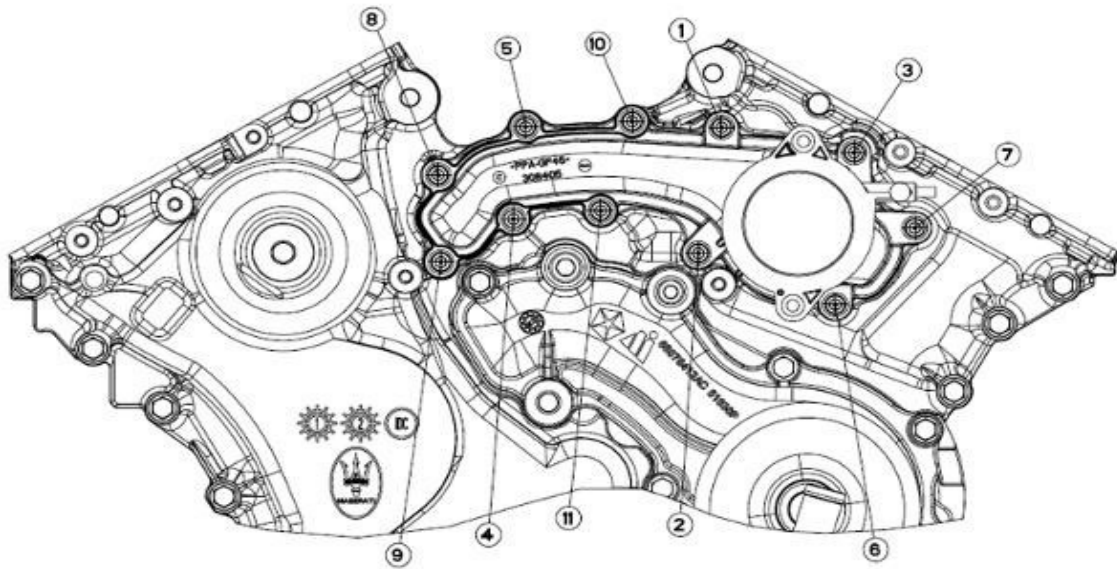


Fig.8

1st torque = 5Nm (+/- 1Nm)

2nd torque = 12Nm (+/- 1Nm)

NOTE: You can use an extension with the torque wrench if necessary.

12. Install all of the components previously removed in reverse order.

13. The Operation is Completed

Warranty Information

- Campaign Number.....384
- Cost Code.....23
- Defect Code.....063
- Component Code.....1.71.178
- Labor Operation (**Check only**).....1.71.178.9 (0.1h)

If the Crossover must be replaced, complete the warranty claim as follows:

- Campaign Number..... 384
- Cost Code.....23
- Defect Code.....063
- Component Code.....1.71.178
- Labor Operation (**Crossover pipe replacement**).....1.17.178.1 (1.8h)

If you have any questions, contact your Regional Aftersales Manager (RAM) or Maserati Technical Support.

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