

This document is uncontrolled when printed. Before use, check the Knowledge Base within the McLaren Retailer Portal to verify that this is the current version.

Document Information

Location: Powertrain / Engine

Topic: V8 Coolant Hose Drift

Condition: Permanent

Diagnostic Trouble Codes: N/A

Measure

It has been identified that on V8 engines, the lower coolant hose can move away from the spigot shoulder on the water pump, this happens due to pressure testing and when vacuum filling the cooling system.

Coolant hose end to water pump spigot shoulder only serves as an assembly aid to position the hose correctly on the spigot length to ensure the spring band sits behind the spigot barb upon installation.

Care point: Correct clamp used (Marking: MU 43 P3), and clamp should be positioned behind the clamp marking.

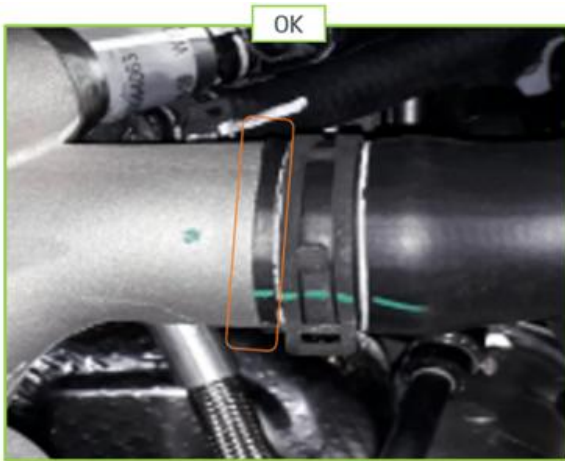


Please inspect the coolant pipe and identify if there has been any drift and a gap between the pipe and water pump spigot is present.

Should there be a gap as shown in the image below, please measure the gap and ensure it is under 5mm.

If a gap over 5mm is identified, allow engine to cool and release the coolant expansion bottle cap to release any residual pressure in the cooling system.

Compress the clamp and reposition the coolant hose according to the image below labelled ok and top up any coolant that may have spilled.



There is no physical problem with the hose sliding up against the spigot barb under coolant pressure.

Parts Information

N/A

Attachments

N/A