

# TECHNICAL BULLETIN



*MODEL/DERIVATIVE:*  
Mini

*Bulletin N°:* 0043  
*CDS. ref:* X8479bu  
*Issue:* 1  
*Date:* 19.01.2000

*AFFECTED RANGE:*  
All vehicles with MEMS multi point injection

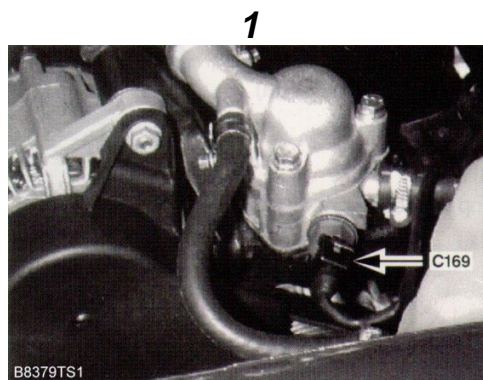
*PROBLEM:*  
**COOLING FAN RUNS CONTINUOUSLY – TEMPERATURE SENSOR**

Poor engine idle quality may also be reported.

*CAUSE:*  
Fretting corrosion of the coolant temperature sensor connector.  
Normal engine vibrations occurring over a period of time cause slight connector to sensor movement, connector fretting corrosion can then occur which may result in an open circuit condition.

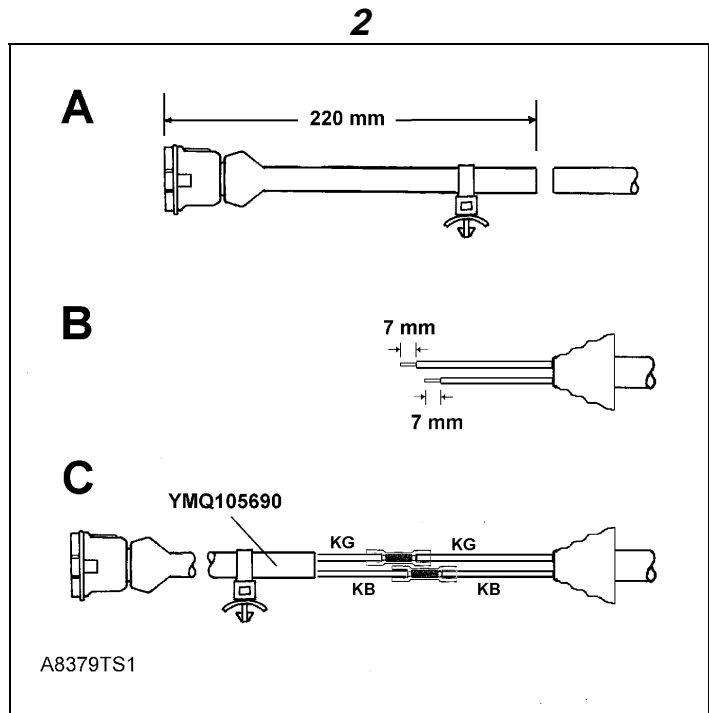
*ACTION:*  
A service fly-lead with modified sensor connector is now available. This part can be fitted by following the instruction provided below.

1. Ensure radio code is available and disconnect battery negative terminal.
2. Disconnect connector C169 from the coolant temperature sensor (see illustration 1).
3. Disconnect the sensor lead securing clip from the coolant expansion tank bracket.
4. Referring to illustration 2A, measure approximately 220mm back from the connector, then cut through and discard this section of lead.
5. From the cut end of the remaining lead section, peel back approximately 50mm of the outer protective sheathing and stagger cut the wires. Strip approximately 7mm of insulation from each wire (see illustration 2B).
6. Ensuring correct wire colour matching, connect new service link lead YMQ105690 to each harness wire using Duraseal type connectors (see illustration 2C).



**NOTE:** See also, Technical Bulletin; Electrical 007 - [USE OF WIRING HARNESS CONNECTORS](#)

7. Re-position protective sheathing to cover Duraseal connectors.
8. Secure new lead to expansion tank bracket with the attached plastic clip.
9. Fit the new lead to temperature sensor ensuring connector is correctly latched.
10. Re-connect battery and enter radio code.
11. Before returning vehicle to owner, turn ignition on and confirm that cooling fan is not running.



*PARTS INFORMATION:*

**YMQ105690 Service lead - coolant temperature sensor**

*WARRANTY CLAIMS:*

**Use Complaint Code: 7U3Z**

**Use S.R.O.: 26.25.88/27**

**Time allowance: 0.30 Hrs**