



Technical Service Bulletin

Technical Service Bulletin: TSB210008	Released Date: 12-Jan-2021
Broken Exhaust Gas Temperature Sensors Caused by Improper Removal	

Broken Exhaust Gas Temperature Sensors Caused by Improper Removal

Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

Contents

Product Affected

- ISB4.5 CM2150 SN
- ISB6.7 CM2150 SN
- ISF2.8 CM2220 F122
- ISF3.8 CM2220 AN
- ISF3.8 CM2220 IAN
- ISL9 CM2150 SN

Issue

Symptom:

- Exhaust gas temperature sensor with physical damage
- Fault codes:
 - FC3151
 - FC3163

- o FC3164
- o FC3236
- o FC3142
- o FC3143
- o FC3229
- o FC3146
- o FC3147

Root Cause:

- Incorrect removal or mishandling will damage the aftertreatment exhaust gas temperature sensor

Verification

- Verify if fault code(s) listed above are present.

Resolution

- Carefully remove the exhaust gas temperature sensor; do **not** bend the sensor or wiring or touch the sensor boss or threads or damage will result.
- For proper exhaust gas temperature sensor removal, see corresponding Service Manual. Reference Table 1 below.

Publications Affected

Table 1, Publications Affected					
Manual Type	Engine	Bulletin Number	Procedure Title	Procedure	Section
Service Manual	ISL9 CM2150 SN	4022190	Exhaust Gas Temperature Sensor	Refer to Procedure 011-037 (/qs3/pubsys2/xml/en/procedures/45/45-011-037-tr-isle5.html)	11
Service Manual	ISB4.5 CM2150 SN, ISB6.7 CM2150 SN	4022188	Exhaust Temperature Sensor	Refer to Procedure 019-013 (/qs3/pubsys2/xml/en/procedures/31/31-019-013.html)	19

Table 1, Publications Affected					
Manual Type	Engine	Bulletin Number	Procedure Title	Procedure	Section
Service Manual	ISF3.8 CM2220 IAN, ISF3.8 CM2220 AN	4021704	Aftertreatment Exhaust Gas Temperature Sensor	Refer to Procedure 019-449 (/qs3/pubsys2/xml/ en/procedures/118/ 118-019-449.html)	19
Service Manual	ISF2.8 CM2220 F122	5467376	Aftertreatment Exhaust Gas Temperature Sensor	Refer to Procedure 019-449 (/qs3/pubsys2/xml/ en/procedures/467 /467-019-449.html)	19

Document History

Date	Details
2021-1-11	Module Created

Last Modified: 12-Jan-2021
