



Technical Service Bulletin

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FC227 Caused By Water Intrusion in Engine Intake Throttle Actuator Connector	

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Warranty Statement

The information in this document authorizes specific changes to the repair practice for failures covered under product warranty coverages.

Contents

Product Affected

- X15 CM2350 X130
- X15 CM2350 X131
- X15 CM2350 X132C

Issue

Symptom:

- Fault Code 227
- No other associated symptoms

Root Cause:

- Engines built without an engine intake throttle actuator will have a cap on the wire harness near the intake. Incorrect orientation of the capped connector allows water to enter the electrical connector cap.

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Figure 1, Location of Connector

Verification

Verify engine does **not** have an engine intake throttle actuator.

Resolution

Remove the cap on the engine intake throttle actuator connector and use compressed air to blow out the excess water. Replace dry cap afterwards.

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Figure 2, Blow Out Excess Water

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Figure 3, Cap Found with Water

After connector has been blown out with compressed air, verify that the fault code goes inactive. The engine intake throttle actuator connector should then be zip tied horizontally to the engine harness as shown below.



Figure 4, Correct Orientation of Connector

Production Status

Implemented for production. See Table 2.

Table 2, Production Information		
ESN First	Build Date ¹	Plant
80250919	10 March 2020	Jamestown Engine Plant
¹ Engine build date can be found on the engine dataplate.		

Document History

Date	Details
2020-5-13	Module Created

Last Modified: 20-May-2020

