



Technical Service Bulletin

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Proper Troubleshooting for Misfire Fault Codes

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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

- 15N CM2380 M104B
- 15N CM2380 M105B
- 6.7N CM2380 D109B
- B6.7N CM2380 B150B
- B6.7N CM2380 B183B
- ISX12N CM2380 X120B
- L9N CM2380 L124B
- L9N CM2380 L130B

Issue

Symptom:

- Fault codes: 5914, 5895, 5896, 5897, 5898, 5899, 5911, 6413, 6425, 6426, 6427, 6428, 6429, 6431.

Root Cause:

- Potential misdiagnosis during troubleshooting the following fault codes leading to replacement of non-malfunctioning components or incorrect repair.

Verification

- Verify any of the following fault codes are present:
 - Multiple Cylinder Misfire Fault Codes: 5914, 6413.
 - Single Cylinder Misfire Fault Codes: 5895, 5896, 5897, 5898, 5899, 5911, 6425, 6426, 6427, 6428, 6429, 6431.

Resolution

- Fault Codes 5914 and 6413 are generic fault codes that log even during single cylinder misfire. When either Fault Code 5914 or 6413 logs in the absence of any other single cylinder misfire fault codes this indicates that no one cylinder has reached its individual misfire threshold, even though all cylinders may be misfiring.
- If **only** Fault Code 5914 or 6413 logs in the absence of any other single cylinder misfire fault codes:
 - Troubleshoot Fault Code 5914 or 6413.
- If two or more single cylinder misfire fault codes log:
 - Troubleshoot Fault Code 5914 or 6413 first.
- If Fault Code 5914 or 6413 logs along with **only** one cylinder misfire fault code:
 - Troubleshoot that single cylinder misfire fault code first.

Publications Affected

Fault Code 5914, 5895, 5896, 5897, 5898, 5899, 5911, 6413, 6425, 6426, 6427, 6428, 6429, and 6431 Troubleshooting Trees have been revised. See the corresponding Fault Code Troubleshooting Manual. Reference Section TF.

Document History

Date	Details
2019-12-2	Module Created
2023-11-3	Updated Product Affected.

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