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|--|-----------------------|-------------|---------------------|
| <b>Technical Service<br/>Bulletin Number</b> | <b>Revision Level</b> | <b>Date</b> | <b>Group Number</b> |
| TSB130033                                    |                       |             |                     |



## Technical Service Bulletin

### Subject

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Engine Ignition Coil Broken at the Spark Plug End for ISL G CM2180, C Gas Plus and L Gas Plus CM556, and C8.3G CM420 Engines

### Issue

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A misfire occurs due to an ignition coil extension broken at the spark plug end.

Possible causes of this condition:

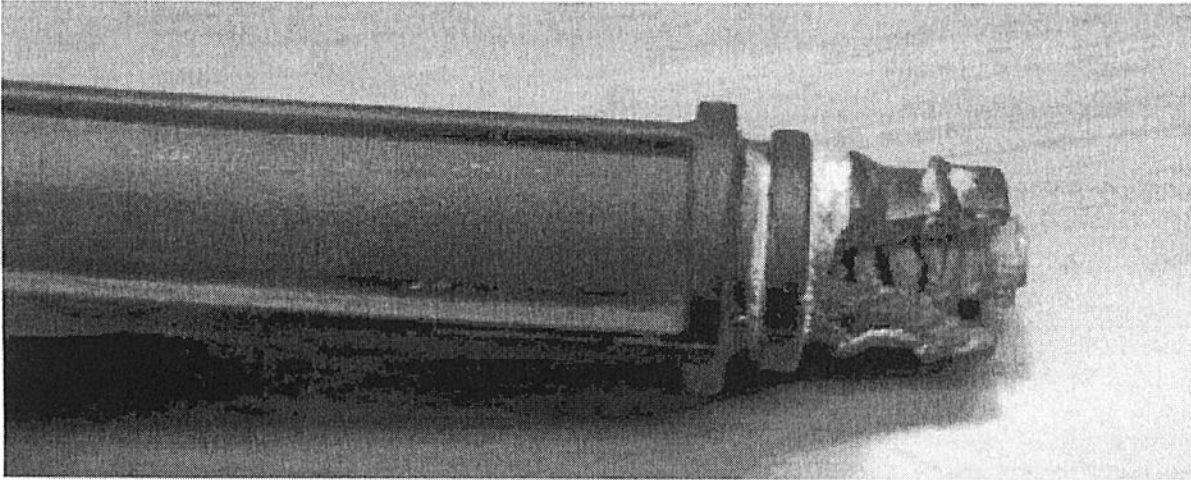
- Improper service practice in the field (customer removes the entire bracket with the coils attached)
- Overstress during manufacturing.

Root Cause: Inadequate clearance between the ignition coil extension and the spark plug ceramic allows removal/installation of the ignition coils while attached to the bracket.

### Verification

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This condition can be confirmed by checking for misfire fault codes. If they exist, check to confirm the ignition coil extension being broken at the spark plug end.



06300020

Ignition coil extension broken at spark plug end.

## **Resolution**

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**NOTE:** Do not remove the entire bracket with the coils attached.

Use the following procedure for proper coil removal. Refer to Procedure 013-012 in Section 13.

The manufacturing sub-assembly fixture/process was modified to position the ignition coils at the top of the slots in the coil bracket, Part Number 3933087.

First ESN: 73481931 Date: 12/07/2012

Ignition coils on engines built before First ESN 73481931, date 12/07/2012, should be repositioned at the top of the slots in the coil bracket when being replaced/repared.

Ignition coils on engines built after ESN 73481931 have been positioned at the top of the slots during initial assembly and should continue to be maintained in that location when being repaired/replaced.

## **Warranty Statement**

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

# Document History

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| Date     | Details        |
|----------|----------------|
| 2013-2-4 | Module Created |

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**Last Modified: 19-Feb-2013**

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