



Technical Service Bulletin

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Ignition Coil Failures Potentially Due to Improper Grounding	

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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

- HGJBB (Spec A-B)

Symptom:

- The generator set will crank but not start.
- Typically there will be no fault code but if the generator is cranked for too long (30 seconds), it will show fault code 4 - overcrank.

Root Cause:

- Follow proper troubleshooting procedures given in the service manual to determine the root cause.
- Troubleshooting may lead to the discovery of a failed ignition coil.

Verification/Confirmation

A failed ignition coil may indicate poor ground connection to the engine block.

If the ignition coil is found to be failed, inspect the generator set for proper grounding before replacing the ignition coil. Verify that the ground strap is tightened down and making contact with the block. Ensure that the plastic shroud around the connection point is not interfering with connection between the ground strap and engine block. Also, inspect the length of the bolt into the engine block and verify that it has not bottomed out.

SORRY THIS IMAGE
IS CURRENTLY NOT
AVAILABLE

Figure 1, Ground Strap

Resolution

If the ignition coil is replaced and the ground connection to the engine block is poor, the new ignition coil will likely fail immediately. Once the grounding to the engine block has been verified, follow the proper repair procedure in the service manual to replace the ignition coil.

Service Parts Availability

Service parts are available. See Table 1 for part numbers.

Table 1, Service Parts				
Part Description	Existing Part Number	Obsolete	Superseded	New Part Number
Coil, Ignition	A043K694	No	No	NA

Document History

Date	Details
2017-11-27	Module Created

Last Modified: 27-Nov-2017
