



Technical Service Bulletin

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HGJBB Under-Torqued Bolts on the Stator Backing Plate	

HGJBB Under-Torqued Bolts on the Stator Backing Plate

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

- A specific set of HGJBB generator sets produced in May of 2018 have been identified to potentially have bolts on the stator backing plate that are under-torqued. A list of the potentially affected serial numbers is included at the end of this document. See Table 1.

Issue

Symptom

- The generator may not show any physical symptoms initially. However, if the bolts are left under-torqued, they may come free and cause damage to the alternator, potentially resulting in a generator failure.

Root Cause

- A defect with a DC torque tool used on the production line caused a limited number of stator backing plate bolts to be under-torqued. The issue was not initially detected, and a limited number of HGJBB generators were shipped from the factory with these bolts potentially being under-torqued. The list of suspect serial numbers can be found at the end of this bulletin.

Verification/Confirmation

For generators with a suspect serial number, it will be necessary to remove the alternator and verify that the bolts on the stator backing plate are torqued correctly. Follow the steps given in the “Resolution” section of this bulletin to remove the alternator and verify torque values on the bolts in question.

Resolution

Use the following directions to disassemble the generator and verify the torque values of the bolts on the stator backing plate. If the generator is installed in a coach, it will need to be removed from the coach in order to complete this repair. If necessary, allow time for the generator to cool down before completing the following repair procedure.

1. If installed, remove the generator from the coach
2. Follow the Alternator Disassembly steps in section 5.2.2.1 of the HGJBB service manual (A031C173)
3. Once the alternator has been removed, use a torque wrench to tighten the four bolts (See Figure 1 below, circled in red) on the stator backing plate to 23 N•m
4. After the four bolts have been torqued to the correct value, follow the Alternator Assembly steps in section 5.2.2.2 of the HGJBB service manual (A031C173)

Note : If any of the bolts have come free, it may be necessary to replace the alternator. Inspect the alternator for damage, and follow the troubleshooting steps in the service manual if necessary.



Table 1, Affected Generator Set Serial Numbers

E180357583	E180359358	E180358438
E180357584	E180359359	E180358439
E180357585	E180359360	E180358441
E180357587	E180359362	E180358442
E180357589	E180359363	E180358443
E180357590	E180359364	E180358444
E180359344	E180359365	E180358445
E180359345	E180359366	E180358446
E180359346	E180359367	E180358447
E180359348	E180361196	E180358448
E180359349	E180361197	E180358449
E180359350	E180361198	E180358450
E180359351	E180361199	E180358451
E180359352	E180361200	E180358454

Table 1, Affected Generator Set Serial Numbers		
E180359353	E180361201	E180358455
E180359355	E180361202	E180358456
E180359356	E180361543	E180358457
E180359357	E180358437	E180358460

Document History

Date	Details
2018-6-11	Module Created

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