



S-Series™

2.0 Cummins Engine Powertrain
Harness Grounds

Date: December 18, 2025
Bulletin Name: FDM-IB-011
Model: Oshkosh S-Series 2.0
Units Affected: All

Purpose:

This bulletin provides information on verifying powertrain harness grounds are correctly installed, and covers the installation of an optional engine ground cable.

Oshkosh has found instances of ground(s) not being correctly reinstalled when a powertrain harness is serviced or replaced. All grounds MUST be installed as they were when the vehicle left the factory. Failure to reconnect grounds correctly causes stray voltage that could lead to engine failure over time. The truck configuration meets all Cummins engine grounding requirements, but when a ground is not reinstalled correctly the chance of stray voltage increases. Oshkosh and Cummins have tested and validated the addition of an optional redundant engine ground cable, within the powertrain system, to mitigate any possible stray voltage to the engine if a primary ground path is broken.

Perform the following procedure to 1) validate ground connections and 2) add optional ground cable as required.

Notice:

- Read and understand bulletin in its entirety before performing this procedure.
- All procedures outlined in the bulletin must be performed by skilled service personnel. Refer to the product service manual for descriptions of maintenance procedures.
- Make sure all reconnected grounds and mating surfaces are clean.

SAFETY NOTICE

Perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate.

SAFETY NOTICE

Use appropriate Personal Protective Equipment (PPE) as required by your company.

Tools and Equipment Required

Customer to supply:

- Hand Tools
- Torque Wrench (foot pounds)

Parts Required:

Item	Part Number	Description	Qty.
1	A001T289	CABLE ASSY 2GA 9.0	1

Procedure

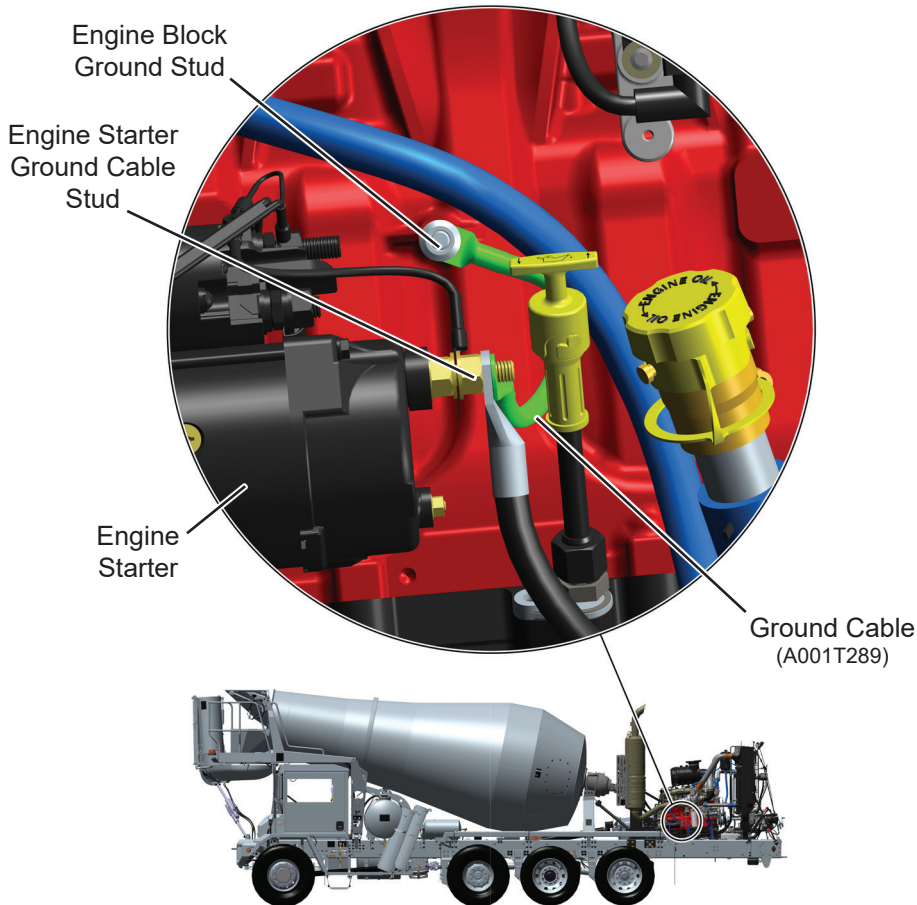
1) Powertrain Harness Grounds

Lockout/Tagout

1. Park vehicle on a flat level surface, block truck tires, and perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate.
2. The vehicle's BATTERY DISCONNECT switch is located on the left-hand side of the battery box. Use the battery disconnect switch when performing any maintenance so the vehicle cannot accidentally be started.
 - a. Turn the battery disconnect switch (Figure A, Item 1) counterclockwise so the hole on the switch aligns with the hole in the bracket (Figure A, Item 2).

2) Optional Ground Cable Installation

12. Locate engine starter on left-hand side of engine. See Figure 2.
13. Loosen and remove engine starter negative ground cable stud nut. See Figure 2. Save nut for reinstallation.
14. Loosen and remove engine block ground stud nut and washer next to engine starter. See Figure 2. Save nut and washer for reinstallation.
15. Install one end of ground cable (A001T289) to engine starter negative ground cable stud. Reinstall nut removed in Step 13 and final tighten to 20 ft. lbs.
16. Install other end of ground cable (A001T289) directly to engine block. Reinstall nut and washer removed in Step 14 and final tighten to 33 ft. lbs.



17. Close and secure hood.
18. Remove lockout/tag and wheel chocks.

Continuous Improvement:

The change included in this document is part of the McNeilus Continuous Improvement Process.

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