Removal of the GHG14 Two-Box Option (2V2) From the Vehicle

Additions, Revisions, or Updates

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2 Removal of the GHG14 Two-Box Option (2V2) from the Vehicle

Remove as follows:

1. Shut off engine and apply the parking brake, chock the wheels, and perform any other applicable safety steps.
2. Disconnect the batteries.
3. Allow the Aftertreatment System (ATS) time to cool.
4. Remove the heat shield.
5. Remove the exhaust stack from the Selective Catalytic Reduction (SCR) catalyst outlet.
6. Disconnect the 47-pin connectors at the sensor box.
7. Disconnect the wiring connector at the Diesel Exhaust Fluid (DEF) dosing unit.
8. Disconnect and cap/plug at the DEF feed and return lines from the DEF dosing unit.
9. Loosen the lower fasteners on the diagonal support brace. Disconnect the diagonal support brace from the lifting bracket that attaches to the vertical stanchion and swing it out of the way. Secure it as needed.
10. Disconnect the exhaust pipe at the intake to the Aftertreatment Device (ATD). Support it as needed so there is no stress on the bellows.

![DANGER: BODILY INJURY](image)

To avoid injury from a falling component, ensure a proper lifting device is used. Never stand beneath a suspended load.

11. Position the overhead lifting device over the vertical stanchion and connect the hooks at the lifting points. Apply enough pressure to the lift points to prevent the unit from dropping when loosened.
12. Remove the mounting fasteners that attach the vertical stanchion to the frame rail.
13. Lower the unit away from the vehicle.
Installation of the GHG14 Two-Box Option (2V2) to the Vehicle

Install as follows:

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To avoid injury from a falling component, ensure a proper lifting device is used. Never stand beneath a suspended load.

1. Using the overhead lifting device, position the unit at the frame rail, and install the mounting fasteners. Torque to 211 N·m (155 lb·ft).
2. Position the diagonal support brace and install the mounting fasteners. Torque the upper and lower fasteners to 66 to 86 N·m (49 to 63 lb·ft).
3. Disconnect the overhead lifting device.
4. Connect the 47-pin connectors at the sensor box.
5. Connect the wiring harness connectors at the Diesel Exhaust Fluid (DEF) dosing unit.
6. Connect the DEF feed and return lines to the DEF dosing unit.
7. Using a new seal (3), connect the exhaust inlet pipe (1) to the Aftertreatment Device (ATD) (4). Torque the clamp (2) to 13 to 15 N·m (10 to 11 lb·ft).

8. Install the exhaust stack. Tighten the clamp to 37 to 50 N·m (27 to 37 lb·ft).
9. Install the heat shield. Tighten bolts to 18 to 22 N·m (13 to 16 lb·ft).

**WARNING: PERSONAL INJURY**
To avoid injury before starting and running the engine, ensure the vehicle is parked on a level surface, parking brake is set, and the wheels are blocked.

**WARNING: ENGINE EXHAUST**
To avoid injury from inhaling engine exhaust, always operate the engine in a well-ventilated area. Engine exhaust is toxic.

10. Start the engine and check for leaks.