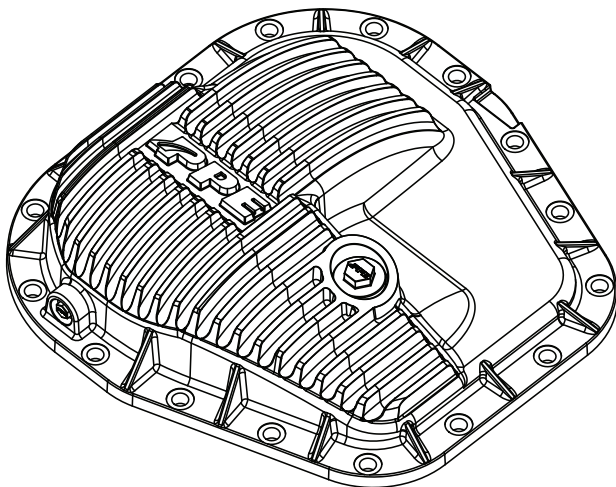


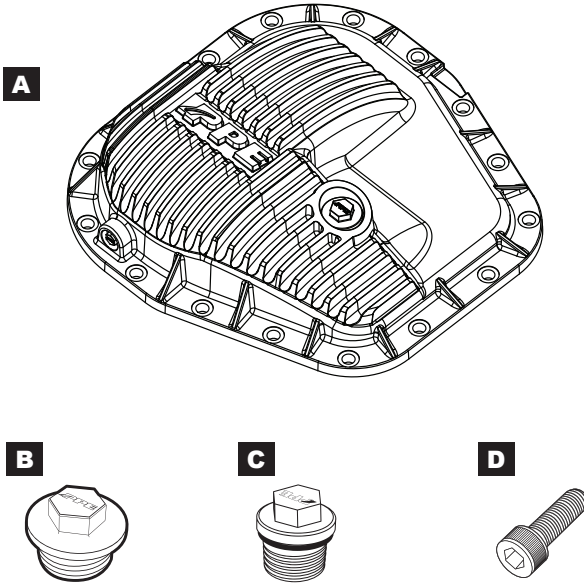


Heavy-Duty Cast Aluminum Rear Differential Cover

*Ford Super Duty
11.6" - 16 Bolt Sterling Axle*

(338052200, 338052210, 338052220)

Installation Guide



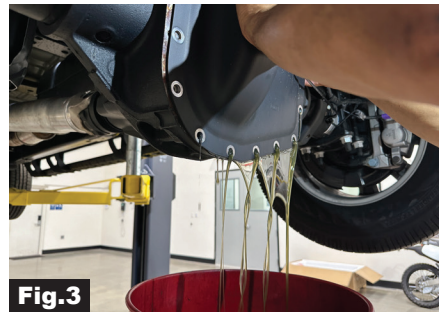
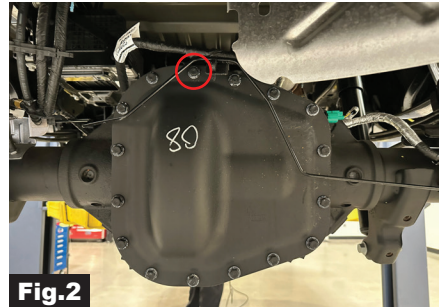
CONTENTS:

- A** (1) PPE Cast Aluminum Rear Differential Cover
- B** (1) Neodymium Magnet-Equipped Fill Plug (Installed)
- C** (1) Neodymium Magnet-Equipped Drain Plug (Installed)
- D** (16) M10 - 1.5 x 35mm Socket Head Screws

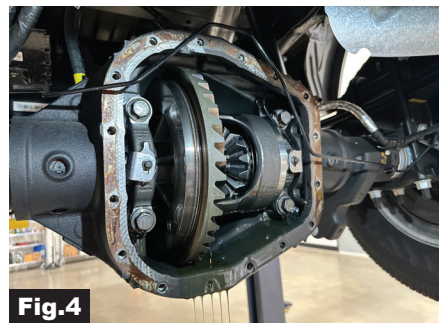


DISASSEMBLY:

1. Turn the vehicle off and allow time to cool down before installing.
2. Remove the bolt on top of rear differential housing that secures the brake line bracket (**Fig.1**).
3. The factory rear differential doesn't have a drain plug so remove all factory differential cover bolts but the topmost one (**Fig.2**). Drain fluid completely (**Fig.3**).



4. Remove factory differential cover and gasket. Clean the gasket and mating surfaces (**Fig.4**).
Optional: Add some grease on all mating surfaces and around the mounting holes. This will help reduce the amount of moisture contacting the metal surfaces and reduce the chance of rust formation.

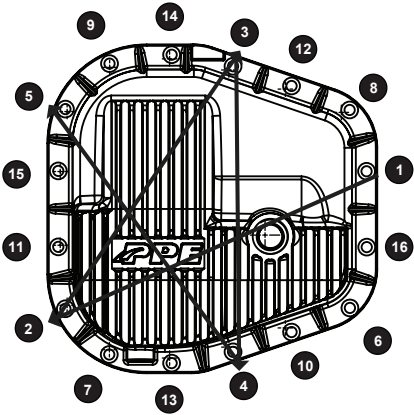


INSTALLATION:

5. Install the PPE Rear Differential Cover (A) and factory gasket with the supplied M10 SHCS (D) (Fig.5).



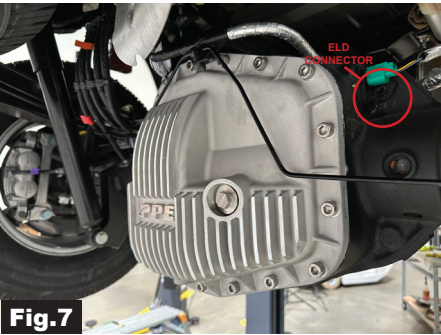
Tighten in crossing pattern (Fig.6). Torque all bolts to 30 lbs-ft. Check and tighten Drain Plug (C) to 12 lbs-ft.



6. Reinstall the bolt securing the brake line bracket.
7. Fill the differential with the fluid capacity using the chart below. Tighten Fill Plug (B) to 18 lbs-ft. Check for leaks.

Note: It might be required to fill through the ELD connector port located in the upper right corner of the differential housing (Fig. 7).

Final Gear Ratio	Fluid Capacity
4.30	5.4 qt
3.31/3.55/3.73	5.3 qt



Installation Complete.



DISCLAIMER OF LIABILITY

Performance products can increase horsepower above and beyond factory specifications. Additional horsepower creates more stress on the drive-train components, which could result in drive-train failure.

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