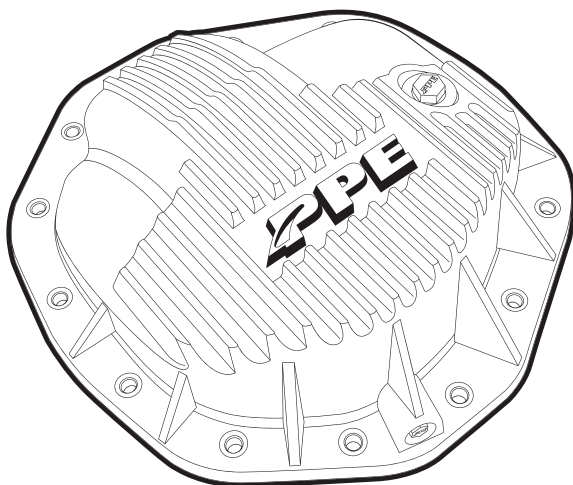




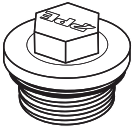
Heavy-Duty Cast Aluminum Differential Cover - Rear RAM 2500/3500 2019+

(238053000, 238053010, 238053020)

Installation Guide

Differential Cover - Rear

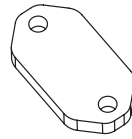
A



B



C



D



E



F



G



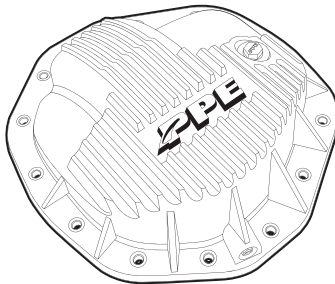
H



I



J



CONTENTS:

- | | | |
|----------|------|--|
| A | (1) | Neodymium Magnet Equipped Fill Plug (installed) |
| B | (1) | Neodymium Magnet Equipped Drain Plug (installed) |
| C | (2) | Spacers - rear sway bar mount |
| D | (11) | M8 x 1.25 mm x 30 mm socket head cap screws |
| E | (15) | M8 8.25 mm x 15 mm washers |
| F | (3) | Locating Studs with hex end, M8 x 1.25 x 60mm |
| G | (3) | Hex nuts M8 x 1.25, Class 12.9 |
| H | (1) | 1/8-inch NPT plug (installed) |
| I | (4) | Flange bolts, M10 x 1.50 x 35 mm |
| J | (1) | Cast Aluminum Rear Differential Cover |

PREPARATION:

- Step 1** Vehicle off, secure and cool.
- Step 2** Remove the four bolts securing rear sway bar (**FIG 1**).
- Step 3** Remove the nuts and studs holding the brake line brackets. Move and secure the lines and brackets out of the way. Then remove the remaining bolts and carefully drain differential fluid. Retain stock gasket. Recycle oil.
- Step 4** Clean stock gasket and mating surface.

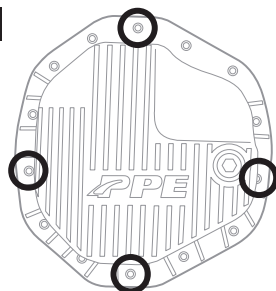
FIG 1



INSTALLATION:

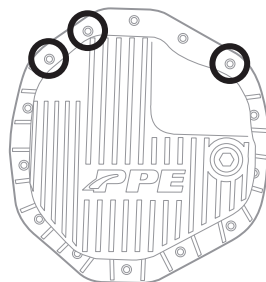
- Step 1** Fit clean gasket onto the PPE Differential Cover flange surface. Assemble and install four socket head cap screws and washer assemblies (**D, E**) through the Diff Cover flange and gasket to the top and sides of the housing flange (**FIG 2**) to hold Cover in place. Finger tight for now.

FIG 2



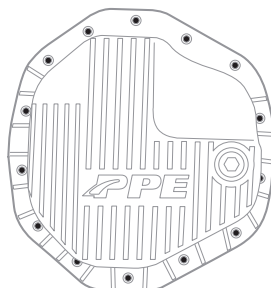
- Step 2** Thread and tighten (18 ft lbs.) Locating Studs (**F**) in the flange holes indicated (**FIG 3**). Reinstall brake lines and brackets. Thread on washer and hex nuts (**G, E**). Finger tight for now.

FIG 3

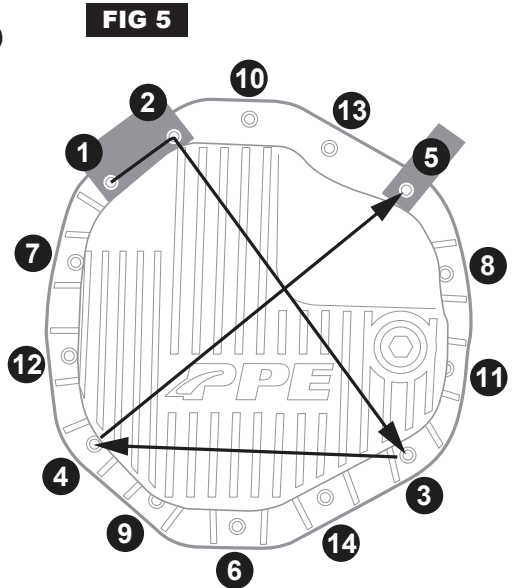


- Step 3** Install remaining washer and socket head cap screw assemblies (**D, E**) in remaining flange holes (**FIG 4**). Finger tight for now.

FIG 4



- Step 4** Tighten socket head cap screws (**D**) and hex nuts (**G**) using a crossing pattern as shown (**FIG 5**). Torque to 20-25 ft. lbs.



- Step 5** Recheck installed hardware and that the brackets are properly reinstalled.
- Step 6** Remove the Fill Plug (**A**) with a 18mm socket then fill with the recommended differential oil until some fluid leaks out of the fill plug. Wipe down any excess differential fluid then reinstall the Fill Plug and tighten to 18 ft lbs.
- Step 7** Install one Spacer (**C**) on each side of the sway bar and secure both sides with the 4 Flange Bolts (**I**) provided (**FIG 6**).
- Step 8** Check the NPT port. Tighten if necessary or install an optional probe.



Installation complete.

DISCLAIMER OF LIABILITY

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