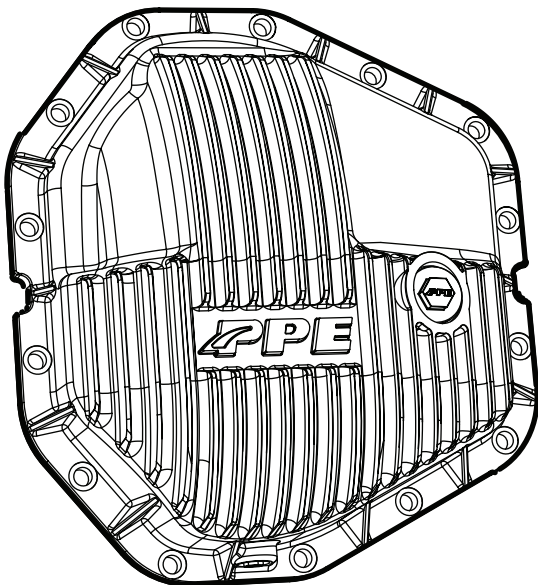


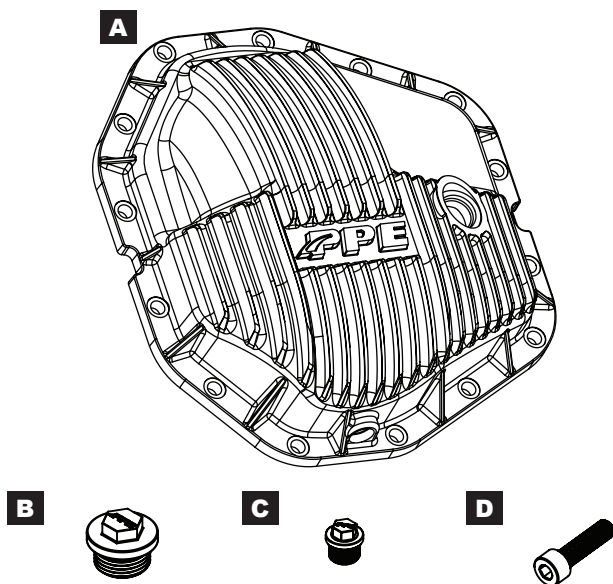


## **Heavy-Duty Cast Aluminum Rear Differential Cover**

**Ford Super Duty  
M300 11.8" - 14 Bolt**

*(338051800, 338051810, 338051820)*

### ***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.** (14) M10-1.5 x 30mm Socket Head Screws

## **DISASSEMBLY:**

1. Turn the vehicle off and allow time to cool down before installing.
2. Remove the 10mm bolt on top of the rear differential housing that secures the brake line bracket.
3. Drain and recycle the oil.
4. Remove the factory differential cover.
5. Remove old sealant and thoroughly clean the mating surfaces.

## **INSTALLATION:**

6. *Apply a continuous bead of silicone (RTV) on the flange surface and around the bolt holes of the PPE differential cover.*
7. *Carefully align cover to differential housing surface. Do not smear silicone. Apply a medium-strength threadlocker to two screws and secure the cover in place, finger tight for now.*
8. *Apply a medium-strength threadlocker to the screws. Install and torque them in a crossing pattern to 30 lb-ft.*
9. *Check and tighten the Drain Plug (C) to 13-15 lb-ft.*
10. *Reinstall the bolt securing the brake line bracket.*
11. *Fill the differential to factory recommended level. Tighten Fill Plug (B) to 18 lb-ft. Check for leaks.*

*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.

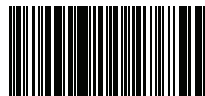
Note regarding emissions-related, non-E.O.-legal products: THESE PRODUCTS ARE LEGAL IN CALIFORNIA ONLY FOR RACING VEHICLES THAT MAY NEVER BE USED, OR REGISTERED OR LICENSED FOR HIGHWAY OR OFF-ROAD USE.

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The Seller gives Limited Warranty as to description, quality, merchantability, and fitness for a particular purpose, productiveness, or any other matter of Seller's product sold herewith. The Seller shall not be responsible for the products proper use and service and the Buyer hereby waives all rights other than those expressly written herein. This warranty shall not be extended, altered or varied except by a written instrument signed by Seller and Buyer. The Warranty on PPE Manifolds and Up-Pipes Kits, OEM-Length Up-Pipes is three (3) years, a limited lifetime warranty on PPE cast aluminum pans and covers, and a limited lifetime warranty on PPE Transmission Coolers and one (1) year limited warranty on all other PPE products from the date of sale to original buyer and limited solely to the parts contained within the products kit. All products that are in question of Warranty must be returned prepaid to the Seller and must be accompanied by a dated proof of purchase receipt. All Warranty claims are subject to approval by Seller. Under no circumstances will the Seller be liable for any labor charged or travel time incurred in diagnosis for defects, removal, or re-installation - of this product or any other contingent expenses. Under no circumstances will the Seller be liable for any damage or expenses incurred by reason of the use or sale of any such equipment. In the event that the buyer does not agree with this agreement: the buyer may promptly return this product, in a new and unused condition in its original packaging, with a dated proof of purchase to the place of purchase within ten (10) days from date of purchase for a full refund. The installation of this product indicates that the buyer has read and understands this agreement and accepts its terms and conditions.

**⚠ CA WARNING:** Handling passenger or off-highway motor vehicle parts can expose you to chemicals such as phthalates and lead, which can cause cancer and reproductive harm. To minimize exposure, service the vehicle in a well-ventilated area, wear gloves, and wash your hands. For more information see [www.P65Warnings.ca.gov/motor-vehicle-parts](http://www.P65Warnings.ca.gov/motor-vehicle-parts).



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