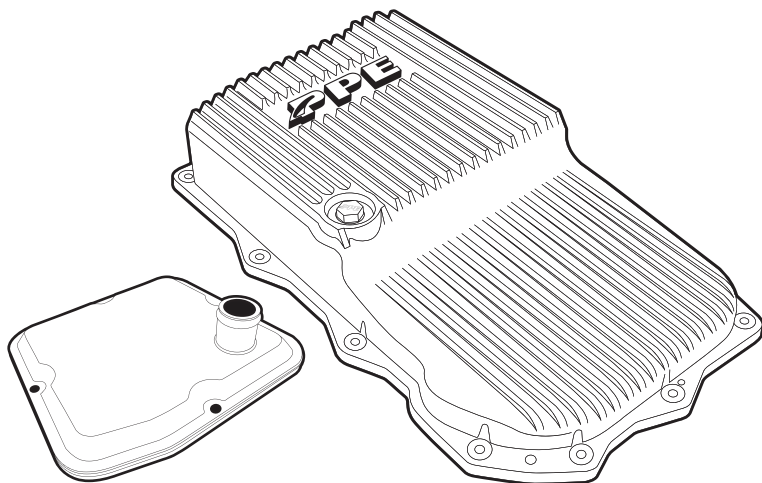


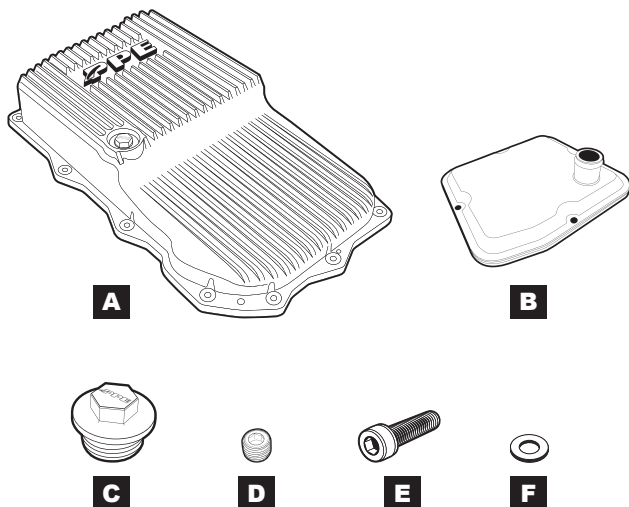


Heavy-Duty Cast Aluminum Transmission Pan

***ZF 8-Speed Transmission w/ Stamped Steel
Stock Pan***

(2281530XX, 2281534XX, 2281535XX)

Installation Guide



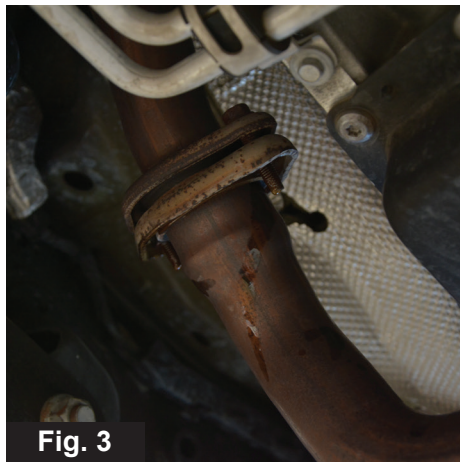
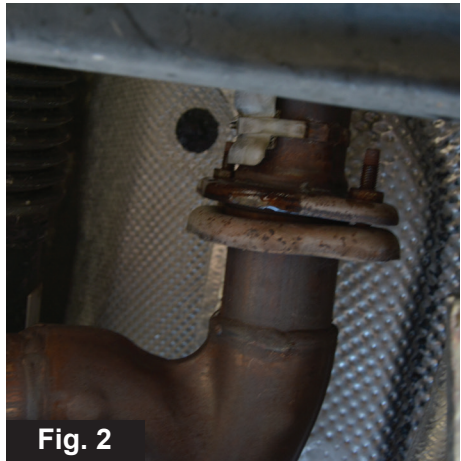
CONTENTS

- A. (1) Transmission Pan (228153000 shown above)
- B. (1) Replaceable filter (228058600 for 2281530XX. 228058700 for 2281534XX/2281535XX)
- C. (1) Magnetic Drain Plug
- D. (1) 1/8 NPT Plug
- E. (13) M6 Bolts
- F. (13) Flat Washers

INSTALLATION:

1. Vehicle off. Engine cool.
2. Remove the frame crossmember under transmission pan (**Fig. 1**).
3. **For vehicles with exhaust cross pipe (Y-pipe) underneath the transmission pan only. If not equipped with a Y-pipe, proceed to step 7.**

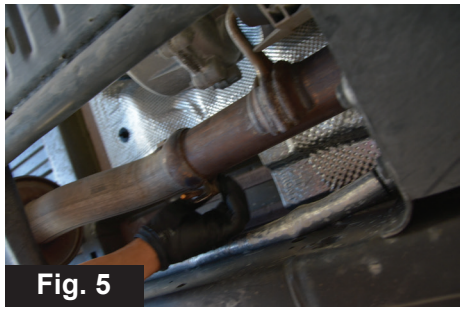
Penetrating spray the bolts on both left and right Y-pipe flanges (**Fig 2, Fig 3**).



4. Remove the penetrated bolts, disengage both left and right Y-pipe connections. **(Fig 4)**



5. Loosen the clamp on the back of the exhaust Y-pipe. **(Fig 5)**



6. Lower the Y-pipe to make more room for the installation. **(Fig 6)**



7. Remove factory transmission pan bolts. Drain transmission fluid. **(Fig 7)**



8. Remove factory transmission pan.

9. Thoroughly clean the factory transmission pan gasket. Transfer gasket to the PPE pan by engaging the alignment rubber pins with the alignment holes in the flange of the pan. **(Fig 8)**

Replace the old gasket with a new OEM gasket if needed.

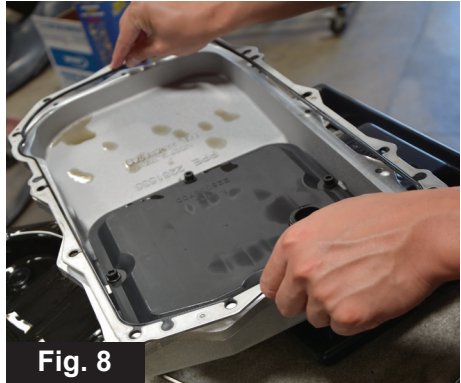


Fig. 8

10. Install the PPE pan in place. Make sure the transmission filter neck is seated in the fluid pick up tube. **(Fig 9)**
11. Install all bolt-washer assemblies to secure the pan finger-tight.



Fig. 9

12. Tighten all bolts to 10 lb-ft in a crossing pattern. **(Fig 10)**
13. **For vehicles with exhaust Y-pipe only. If not equipped, proceed to step 15.**

Apply anti-seize compound to the exhaust pipe bolts removed earlier. Reinstall the bolts.

14. Retighten the exhaust pipe clamp loosened in step 5.

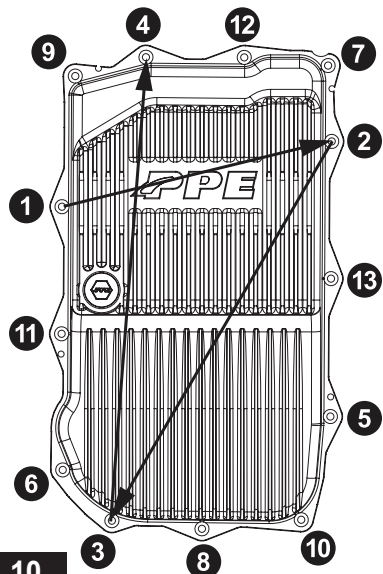


Fig. 10

15. Reinstall the frame crossmember. (Fig 11)

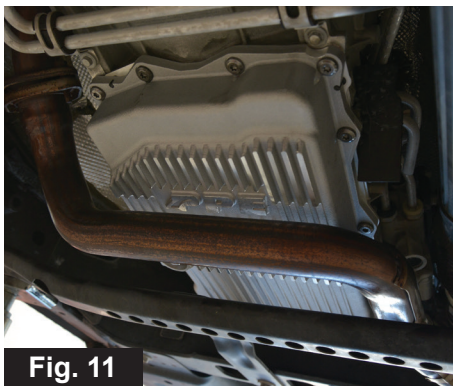


Fig. 11

FLUID FILLING

The following steps were performed in our test fitment on a 2022 Jeep Gladiator 3.6L. Check your Service Manual for detailed instructions.

For Reference Only

1. Park the vehicle on a level surface. Remove the fill plug on the passenger side of the transmission case. (Fig 12)
2. Utilizing a universal fluid dispenser, add manufacturer recommended fluid until it starts to come out of the fill hole.
3. Start the engine, let it idle for 30 seconds. Add more fluid until it starts to come out of the fill hole again. Reinstall the fill plug.



Fig. 12

4. With the engine running, monitor the transmission fluid temperature. Temperature must be within the 86-122°F range during steps 5-7. Allow transmission to cool down if the temperature exceeds 122°F.
5. With the gear selector in P, maintain engine speed at 2000 RPM for 30 seconds.
6. With the engine in idle, shift through P, R, N, D, L, R. Hold in each position for 10 seconds. Shift back to P.
7. Remove the transmission fill plug.
 - If fluid begins to flow out, wait until it slows to drips.
 - If no fluid comes out, add more until it starts to overflow, then wait until it slows to drips.
8. Reinstall the fill plug.

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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