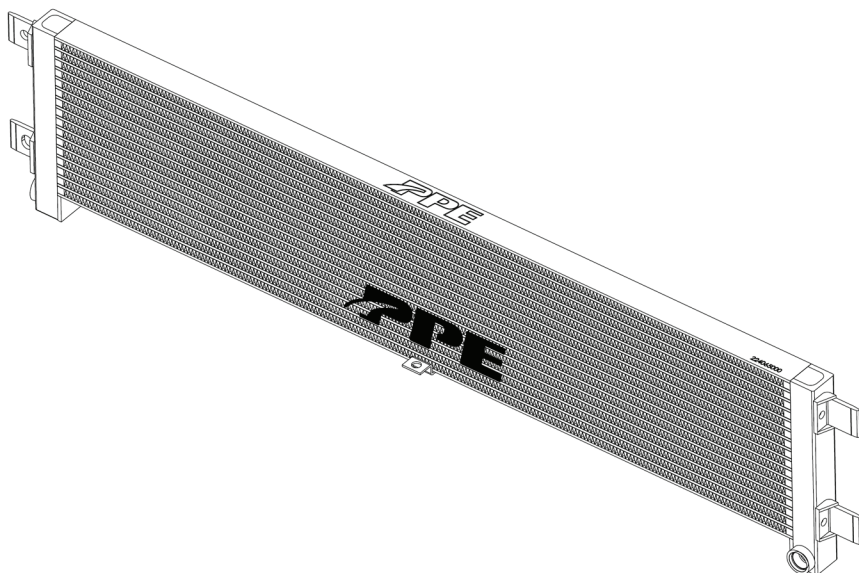




PPEpower.com



Performance Transmission Cooler Bar and Plate

2019 - 2025 RAM 2500/3500 6.4L Hemi w/ 8HP75
2019 - 2024 RAM 2500/3500 6.7L Cummins SO
w/ 68RFE

(224065000)

Installation Guide

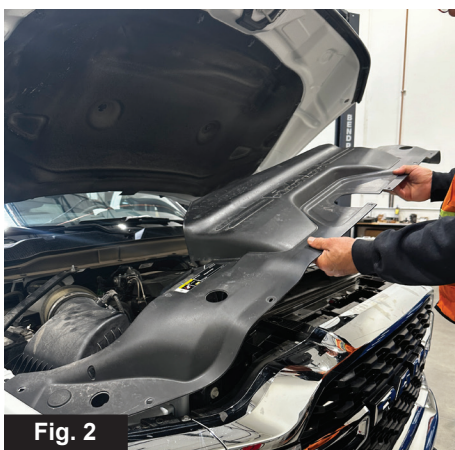


CONTENTS

- A. (1) Transmission Cooler
- B. (2) Transmission Line Fitting

INSTALLATION

1. Vehicle off and cool.
Disconnect both batteries.
2. Remove the clips securing the radiator shroud, then lift the shroud to remove it. **(Fig. 1 & 2)**



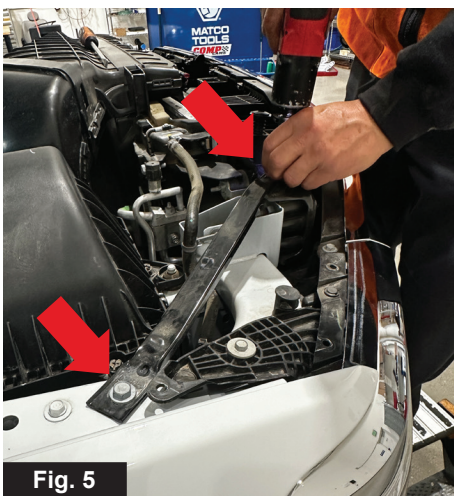
3. Disconnect the wiring harnesses for both sensors and remove any clips on the air box lid. **(Fig. 3)**



4. Loosen the hose clamp that connects the intake tube to the air box lid. **(Fig. 4)**



5. On the passenger side, remove the reinforcement beam. **(Fig. 5)**



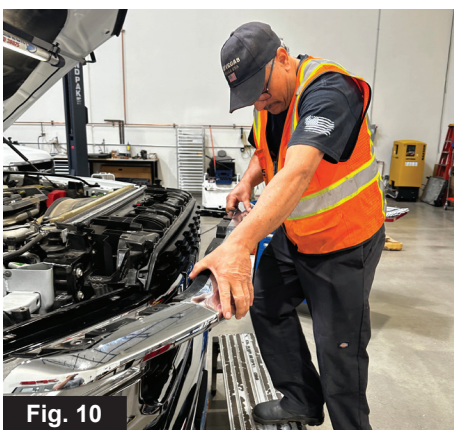
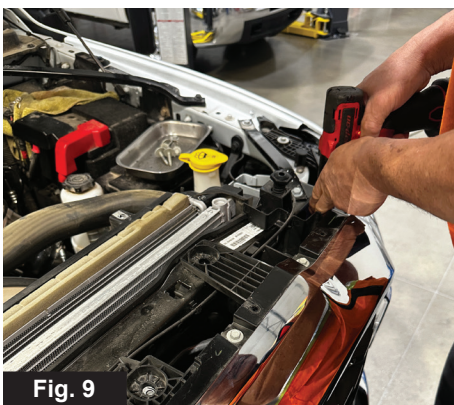
6. Loosen the screws on the air box lid, then remove the lid and filter. **(Fig. 6 & 7)**

**Fig. 6****Fig. 7**

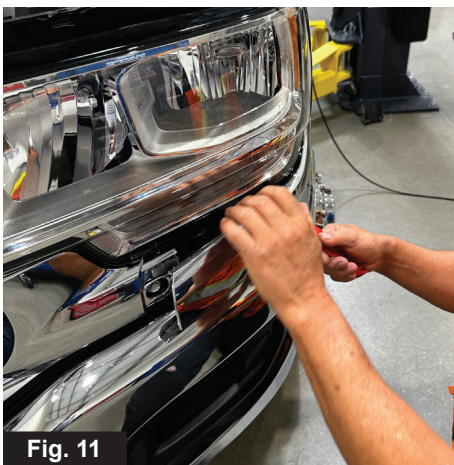
7. Remove the screws securing the air scoop, then lift and remove the air box. **(Fig. 8)**

**Fig. 8**

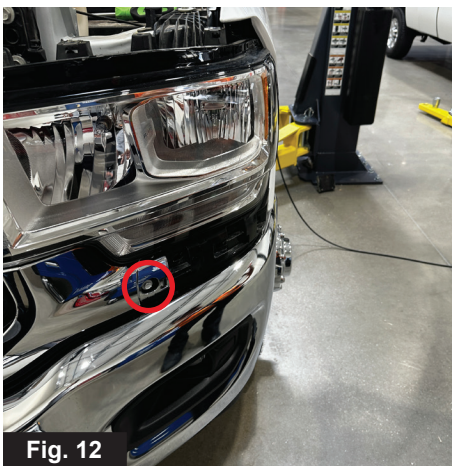
8. Remove the bolts and clips securing the upper grille trim, then remove it from the vehicle. **(Fig. 9 & 10)**



9. Pull the lower side panel to release the clips and expose the bolts securing the lower grille trim. **(Fig. 11)**



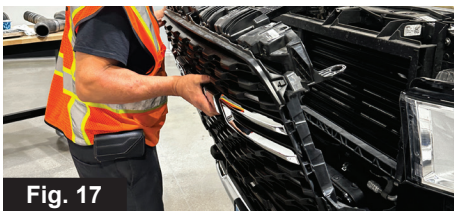
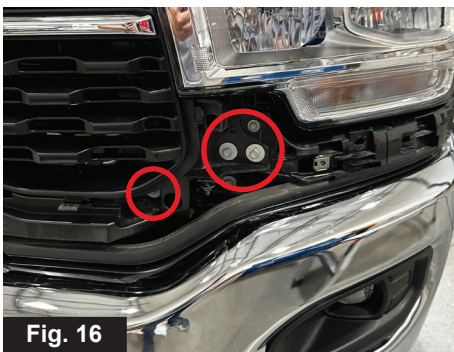
10. Remove the two bolts and loosen the five nuts accessible from under the vehicle that secures the lower grille trim. **(Fig. 12 & 13)**

**Fig. 12****Fig. 13**

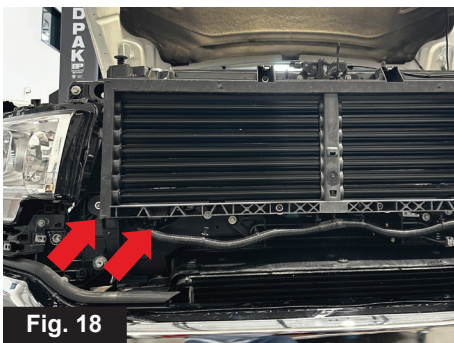
11. Pull to release the clips, then remove the lower grille trim. (Fig. 14 & 15)



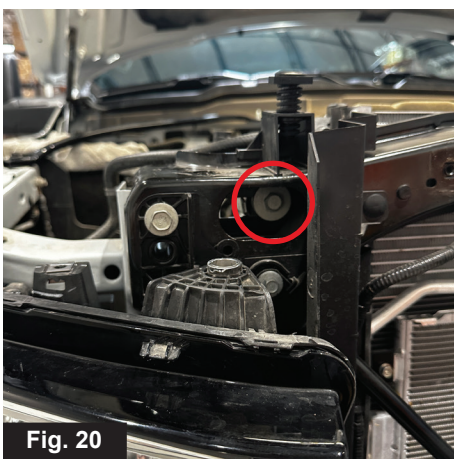
12. Remove all bolts securing the grille, then remove the grille. (Fig. 16 & 17)



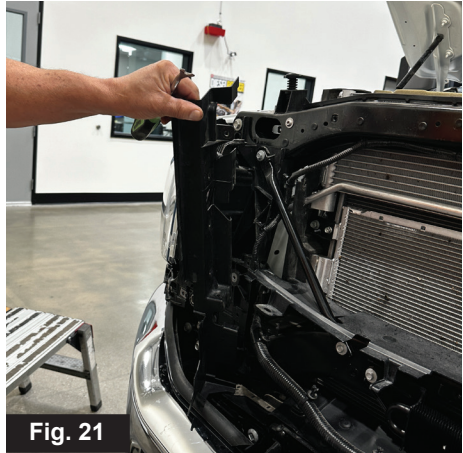
13. Disconnect any plastic clips on the grille active shutters, then remove the bolts. Once loose, rotate the grille active shutter forward and disconnect the sensor wiring harness before fully removing it. **(Fig. 18 & Fig. 19)**



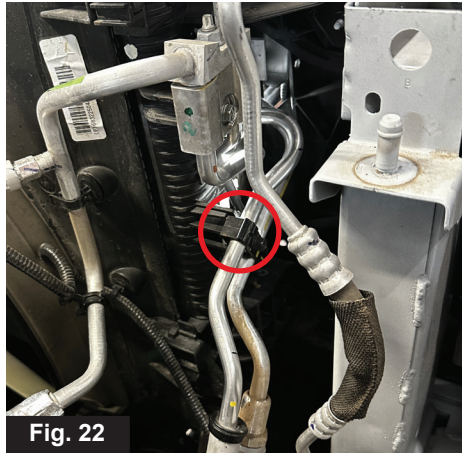
14. Remove the top two bolts securing the radiator. This will assist with installation and removal. **(Fig. 20)**



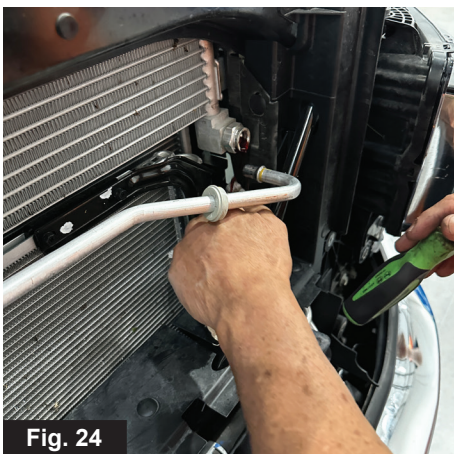
15. Remove the rubber air diverter. **(Fig. 21)**



16. Remove the bolt holding the transmissions line bracket to the radiator. **(Fig. 22)**



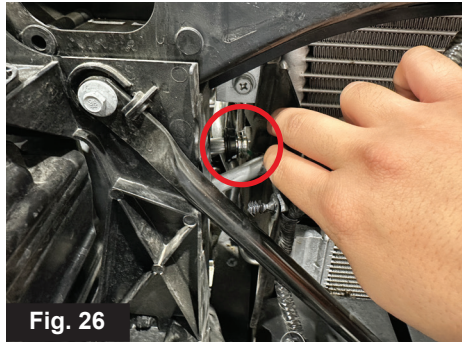
17. Disconnect the transmission line support clip and the driver side transmission line from the factory transmission cooler. (Fig. 23 & 24)



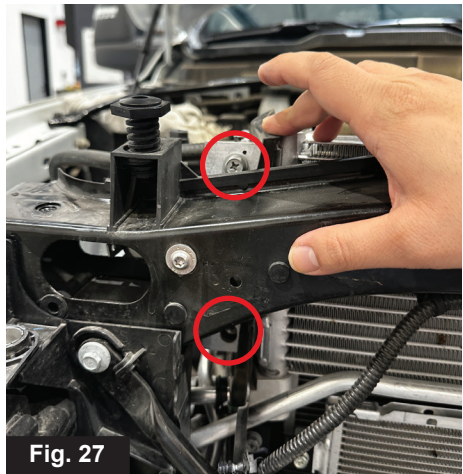
18. Remove the driver side transmission line fitting from the factory transmission cooler. (Fig. 25)



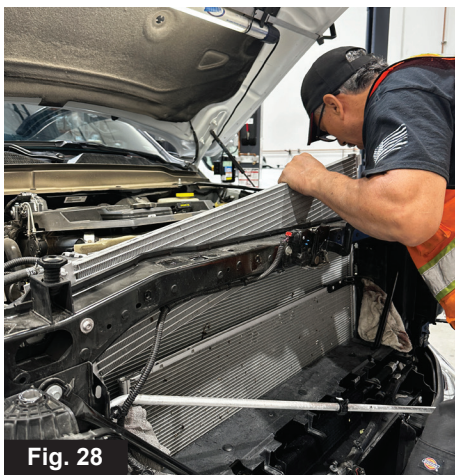
19. Disconnect the passenger side transmission line from the factory transmission cooler. (Fig. 26)



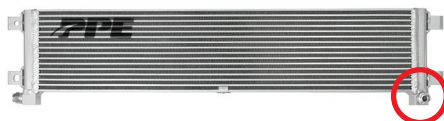
20. Remove the two bolts securing the factory transmission cooler. (Fig. 27)



21. Slide the transmission cooler towards the passenger side to free the tabs from the grooves, then rotate the driver side up. (Fig. 28 & 29)



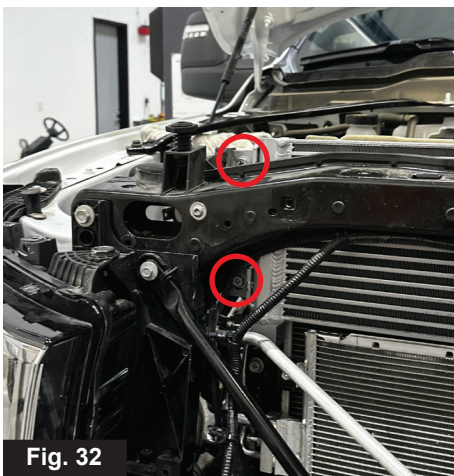
22. On the Transmission Cooler (A), remove the driver side Transmission Line Fitting (B). (Fig. 30)



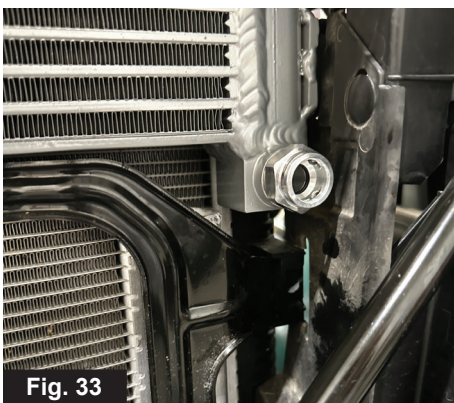
23. Install the Transmission Cooler **(A)**. First install the left side of the cooler as far towards the passenger side as possible to align the tabs located on the driver side. Then, slide the cooler to the right until the bolts holes align. **(Fig. 31)**



24. Tighten the factory bolts to secure the Transmission Cooler **(A)**. **(Fig. 32)**



25. Reinstall the Transmission Line Fitting **(B)** into the Transmission Cooler **(A)**. **(Fig. 33)**

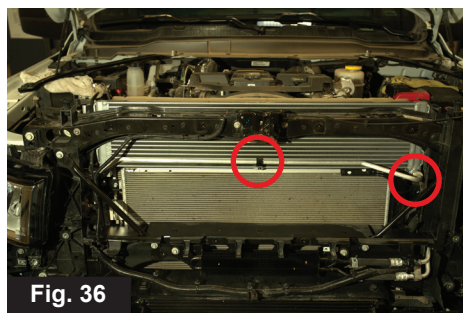
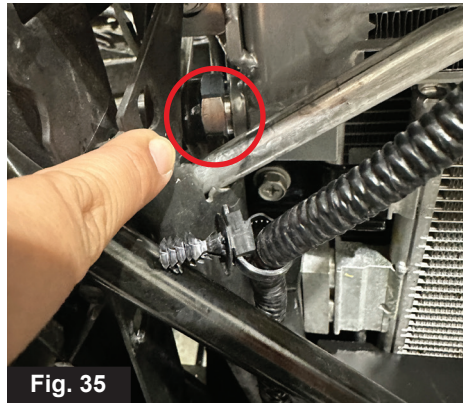


26. Reinstall the transmission line bracket. **(Fig. 34)**



27. Reinstall both transmission lines and the plastic clip onto the transmission cooler. **(Fig. 35 & 36)**
28. Reinstall all components removed during disassembly.

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.

This agreement sets forth the terms and conditions for the use of PPE products. The installation of this product indicates that the Buyer has read and understands this agreement and accepts the terms and conditions. PPE (Pacific Performance Engineering) Inc., its distributors, employees, and dealers (the "Seller") shall not be responsible for the product's proper use and service. The buyer hereby waives all liability claims. The Buyer hereby acknowledges no reliance on the Seller's skill or judgment to select or furnish goods suitable for any particular purpose and that there are no liabilities which extend beyond the description on the face hereof, and the Buyer hereby waives all remedies or liabilities expressed or implied, arising by law or otherwise (including without any obligation of the Seller with respect to fitness, merchantability and consequential damages), or whether or not occasioned by the Seller's negligence. The Seller disclaims any warranty and expressly disclaims any liability for personal injury or damages. The Buyer acknowledges and agrees that the disclaimer of any liability for personal injury is a material term for this agreement and the Buyer agrees to indemnify the Seller and to hold the Seller harmless from any claim related to the item of equipment purchased. Under no circumstances will the Seller be liable for any damages or expenses by reason of use or sale of any such equipment. The Seller assumes no liability regarding the improper installation or misapplication of its products. It is the installer's responsibility to check for proper installation and if in doubt, contact the manufacturer. The Buyer is solely responsible for all warranty issues from the manufacturer.

LIMITATION OF WARRANTY

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.