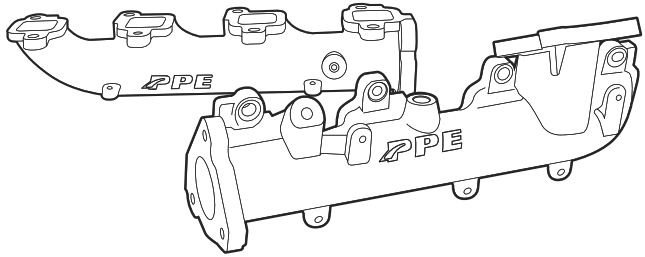


High-Flow Manifolds and Up-Pipes Kit 2017+ GM 6.6L Duramax L5P

(116112500)

Installation Guide

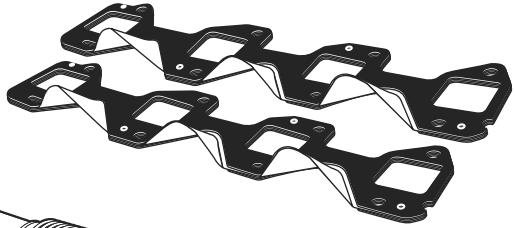
A



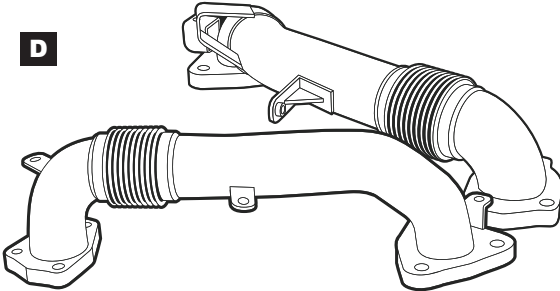
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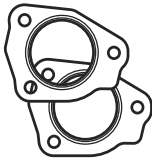
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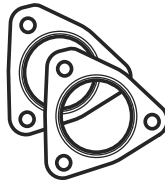
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E



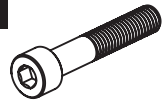
F



G



H



I



J



K



CONTENTS

- A: (2) Manifolds (L and R)
- B: (1) EGR Gasket
- C: (2) Manifold Gaskets
- D: (2) Up-Pipes (L and R)
- E: (2) Upper Up-Pipe Gaskets
- F: (2) Lower Up-Pipe Gaskets (L and R)
- G: (6) Spacers
- H: (6) M8 Socket Head Cap Screws
- I: (9) M6 Flange Head Hex Screws
- J: (10) M8 Studs, Black Oxide
- K: (10) M8 Flange Nuts, Black Oxide

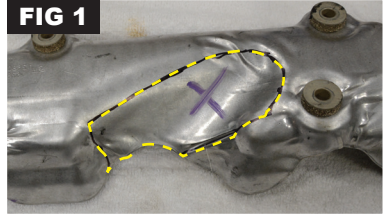
Installation shown on a static engine to depict detail.

PREPARATION

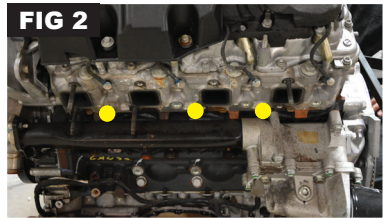
Step 1. Vehicle off. Engine cool.

Step 2. Remove both stock exhaust manifolds, all heat shielding, sensor, both stock up pipes and the stock down pipe.

Step 3. Trim passenger side heat shield as shown (FIG 1).



Step 4. Remove all driver side and all passenger side factory studs from the cylinder head where the factory exhaust manifolds bolt on. Install PPE Studs (5 on each side) to all hardware mounting holes, except for the 3 lower rear driver side and the 3 lower rear passenger side. Reference location in picture. (FIG 2)



INSTALLATION

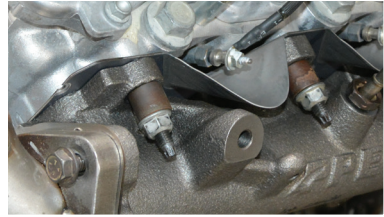
Step 1. Install the passenger side PPE Exhaust Manifold Gasket and PPE Exhaust Manifold on the engine block, securing with two PPE nuts (**K**) finger tight for now.



Step 2. Place the PPE EGR gasket between the Manifold and the EGR stand on the top of the passenger side Manifold. Use the factory hardware to secure the EGR and Manifold finger tight for now.



Step 3. For the 3 lower rear hardware locations, install 3 PPE Spacers (**G**) and 3 PPE M8 Bolts (**H**) to replace the removed factory studs, finger tight for now.



Install 5 factory spacers and 5 PPE Nuts (**K**) on the ends of the 5 PPE studs installed during preparation, finger tight for now.

Tighten the EGR to Manifold bolts to 18 lb-ft.

Tighten all PPE Nuts (**K**) and Bolts (**H**) to 24 lb-ft.

Step 4. Reinstall the factory sensor to the PPE Passenger Side Exhaust Manifold.



Repeat for driver side.

Step 5. Install the passenger side PPE Up-Pipe Gasket between the upper Up-Pipe flange and the back of the turbo.



If using factory hardware, tighten to 18 lb-ft.

If using PPE Up-Pipe Bolts 116122500, tighten to 24 lb-ft.



Repeat for driver side.

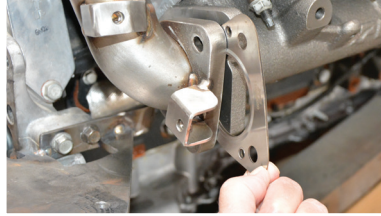
High-Flow Manifolds and Up-Pipes Kit

Step 6. Place the lower passenger side PPE Up-Pipe Gasket between the Exhaust Manifold and the Up-Pipe Flange.

If using factory hardware, tighten to 18 lb-ft.

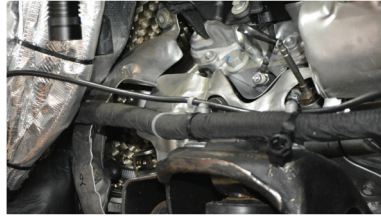
If using PPE Up-Pipe Bolts 116122500, tighten to 24 lb-ft.

Repeat for driver side.



Step 7. Reinstall factory down pipe

Step 8. Reinstall driver and passenger side heat shields.



Step 9. Place the supplied CARB E.O. label on a clean, visible location under the hood. PPE recommends using the top side of the fan shroud.



Installation complete.

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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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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.

Limited lifetime warranty on all PPE cast aluminum products, and PPE Transmission Coolers. Three (3) year limited warranty on PPE Manifolds and Up-Pipes Kits, and OEM-Length Up-Pipes. 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.



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