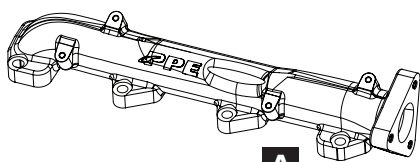
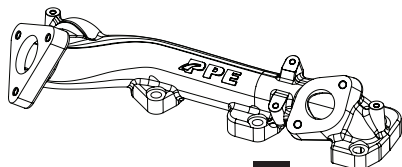
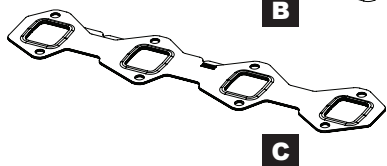
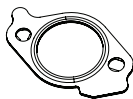


Exhaust Manifold Kit

**2020 – 2025 Ford F-250/F-350/F-450/F-550
6.7L Powerstroke**

(316115100, 316115120, 316115135)

Installation Guide

**A****B****C****D****E****F****G****H****I****J****K**

CONTENTS

- A. (1) LH Exhaust Manifold
- B. (1) RH Exhaust Manifold
- C. (2) Exhaust Manifold Gasket
- D. (1) EGR Gasket
- E. (1) Rectangular EGR Gasket
- F. (4) Long Studs
- G. (12) Short Studs
- H. (6) Up-Pipe Studs
- I. (16) M8 Flange Nut
- J. (4) Long Spacer
- K. (12) Short Spacer

INSTALLATION:

Refer to the Ford service manual for the proper procedures to remove components necessary to access the factory exhaust manifold.

1. Remove all factory studs installed on the cylinder head and clean the mating surfaces before installing. Be careful not to let any debris fall into the exhaust ports.
2. Apply a small amount of anti-seize on the ends of all studs. Install the four Long Studs (**F**) onto the back two holes on the cylinder head for each side. (**Fig. 1**) Torque to 9.5 lb-ft dry, or 6.7 lb-ft wet.
3. Install the twelve Short Studs (**G**) into the remaining holes on the cylinder head. Torque to 9.5 lb-ft dry, or 6.7 lb-ft wet.
4. Install three Up-Pipe Studs (**H**) onto the LH and RH Exhaust Manifold (**A & B**). Torque to 9.5 lb-ft dry, or 6.7 lb-ft wet. (**Fig. 2**)
5. Install the exhaust manifold gaskets (**C**) over the studs and then place the LH Exhaust Manifold (**A**) and RH Exhaust Manifold (**B**) onto the gaskets.
6. Place the four Long Spacer (**J**) over the Long Studs (**F**) and twelve Short Spacer (**K**) over the Short Studs (**G**) on top of the exhaust manifolds.

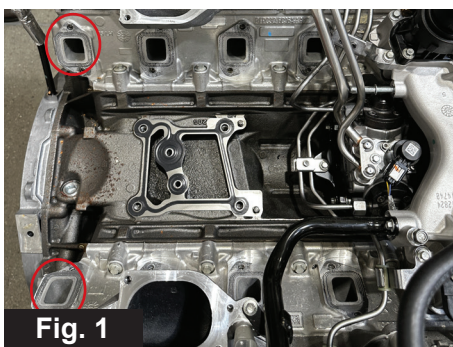


Fig. 1



Fig. 2

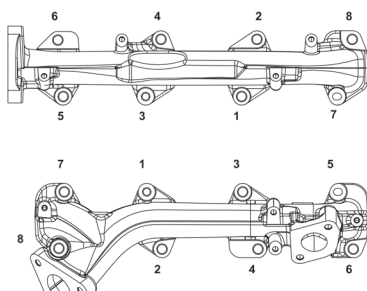
7. Install the sixteen M8 Flange Nuts (**I**) and torque the manifold following the specified sequence in steps. Careful not to over-torque the studs. (**Fig. 3 & 4**).

**Fig. 3**

Step 1: Tighten studs 1 to 8 to **13 lb-ft dry, 9.1 lb-ft wet.**

Step 2: Tighten studs 1 to 8 to **18 lb-ft dry, 12.6 lb-ft wet.**

Step 3: Again, tighten studs 1 to 8 to **18 lb-ft dry, 12.6 lb-ft wet.**

**Fig. 4**

8. Reinstall the factory heat shields. Torque to 7.4 lb-ft.
9. Reinstall the EGR Tube with the provided Gaskets (**D & E**).

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.

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