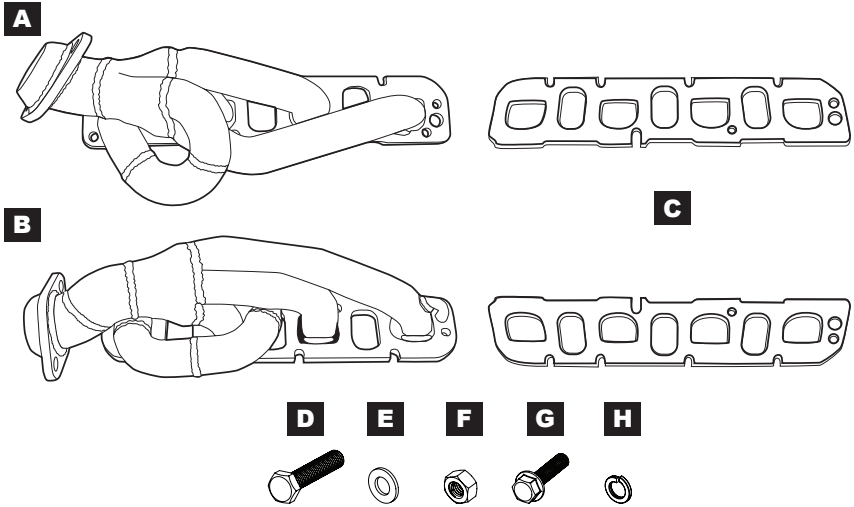


Short-Tube Exhaust Headers

*2009 – 2018 Dodge/Ram 1500
2019 – 2023 Ram 1500 Classic
5.7L V8 HEMI*

(216211030)

Installation Guide

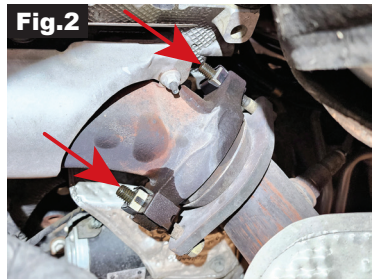
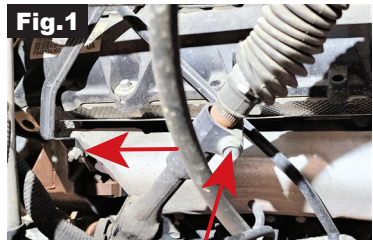


CONTENTS

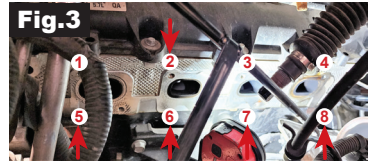
- A** (1) Driver Side Exhaust Manifold
- B** (1) Passenger Side Exhaust Manifold
- C** (2) Manifold Gasket
- D** (4) M10 - 1.5x50mm Hex Bolt
- E** (4) M10 Flat Washer
- F** (4) M10 Hex Lock Nut
- G** (17) M8 - 1.25x35mm Flange Bolt
- H** (17) M8 Split Lock Washer

INSTALLATION

- Step 1. Turn the vehicle off and allow time to cool down before installing. Disconnect the cables from the battery.
- Step 2. With the vehicle in Park and Emergency brake applied, raise the front end of the vehicle to gain access to the factory manifolds. Use jack and jack stands with tire chocks to properly support the vehicle if a lift is not available.
- Step 3. Remove the front wheels, followed by the wheel well liners.
- Step 4. If time permits, spray manifold bolts with penetrating blaster or equivalent.
- Step 5. Begin on the driver side by unbolting the starter (recommended for additional clearance).
- Step 6. Remove the bolt from the intermediate steering shaft and nut securing the oil dip stick tube and set aside (do not remove). **(Fig. 1)**
- Step 7. Remove the hardware securing the heat shield.
- Step 8. Unbolt the manifold from the y-pipe. **(Fig. 2)**
- Step 9. Remove the 8 bolts that secure the manifold to the cylinder head.
- Step 10. Clean the surface around the exhaust ports of the cylinder head to ensure a secure and leak free fitment. Caution: Do Not scratch the mating surface of the cylinder head.

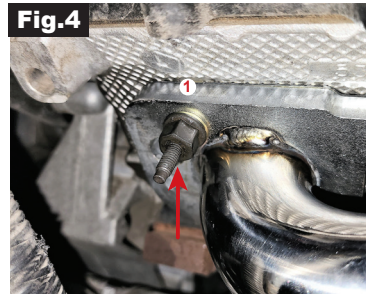


Step 11. Now partially install the supplied 8mm bolts with split lock washers into positions "2,5,6,7,8" shown in figure (Fig.3) This will allow for alignment of the manifold and gasket.



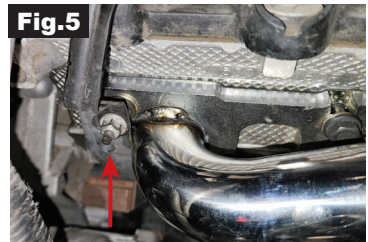
Step 12. Slide the manifold & gasket down onto bolts "5, 6, 7, 8" through the open slots in the flange. Now angle the manifold and position the flange to slide under bolt number "2".

Step 13. With the manifold bolts still loose, install the remaining bolts. Note: Reuse factory bolt in position 1. (Fig.4)



Step 14. Torque all header bolts where possible to 18-20 lb-ft. Not all bolts are easily accessible, and should be tight as possible.

Step 15. Now place the oil dipstick tube bracket on reused bolt as shown. (Fig.5)



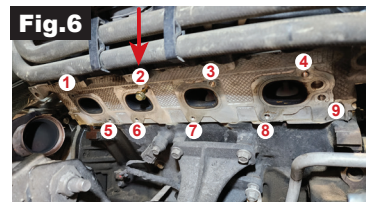
Step 16. Reinstall the bolt to the intermediate steering shaft.

Step 17. On the passenger side, unbolt the manifold from the y-pipe, remove the hardware securing the heat shield.

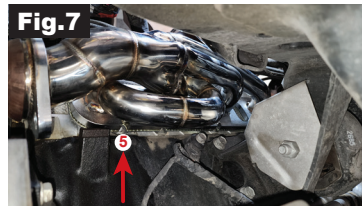
Step 18. Remove the 9 bolts that secure the manifold to the cylinder head.

Step 19. Clean the surface around the exhaust ports of the cylinder head to ensure a secure and leak free fitment. Caution: Do Not scratch the mating surface of the cylinder head.

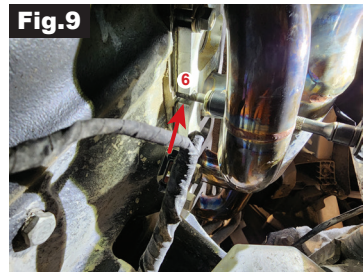
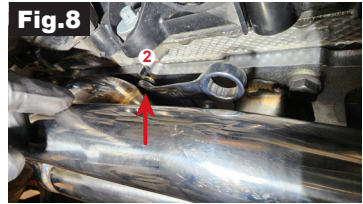
Step 20. Partially install 1 M8 bolt & lock washer into position 2 as shown in (Fig.6) and slide the header flange & gasket under the bolt.



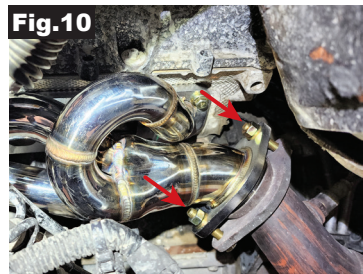
Step 21. With the header in place, partially install 1 M8 bolt & lock washer into position 5 as shown in (Fig.7) Now install remaining bolts & lock washers and torque to 18-20 lb-ft where possible. Not all bolts are easily accessible and should be tight as possible.



Step 22. Tip: Use a short stubby wrench for position 2 and use a small extension with socket for position 6 through the primaries (Fig.8) (Fig.9)



Step 23. Align the flange slip-fit collector to the y-pipe and install the supplied 10mm bolts with washers and lock nut. Torque nut to 24 lb-ft. (Fig.10)



Step 24. Reinstall the wheel well liners and front wheels and connect the battery.

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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