



INSTALLATION INSTRUCTIONS

MAKE: Ford

MODEL: F-250 / F-350

YEAR: 2003-2007

ENGINE: V8-6.0L (td) Power Stroke

BladeRunner Exhaust Manifold 46-40094 (Ductile Iron)



Parts Included:

- Manifold, Driver Side (x1)
- Manifold, Passenger Side (x1)
- Plug, Hex Socket: 1/8" NPT (x2)
- Screw, Hex M8 x 1.25 x 40mm (x16)

Tools Needed:

- 9/16 Socket/Wrench
- 10mm Socket / Wrench
- 12mm Socket / Wrench
- 5/8 Socket / Wrench
- Torque Wrench
- Scraper (Gasket Remover)
- Socket Driver
- Socket Driver Extension
- 3/16 Allen Wrench

CAUTION: Allow time for your vehicle to cool down prior to installation. When working on or under your vehicle proceed with caution. Engine bays may reach high temperatures and may cause serious burns. Wear protective safety equipment; eye goggles and gloves to ensure a safe installation. aFe Power recommends professional installation on our products.

Passenger Side Manifold

1. Park vehicle on level ground. Raise front over vehicle and support with jack stands.
2. Disconnect the vehicle batteries.
3. Remove the passenger side wheel and inner fender liner.
4. Pull the transmission dipstick out of the dip stick tube and set aside. Remove the nut holding the transmission dip stick tube in place with a 10mm wrench. Remove the upper dip stick tube from the transmission and set aside. It is not necessary to completely remove it from the vehicle.
5. Remove the two bolts and nuts securing the passenger side up pipe to the manifold with a 10mm wrench and a 12mm socket.
6. With a 10mm socket remove the eight bolts, eight spacers, and the passenger side manifold.
7. Install the 1/8" NPT plug into the passenger side aFe manifold, be careful to not overtighten the plug.

NOTE: If an EGT probe or other sensor will be installed in this manifold install the sensor in the 1/8" NPT port.

8. Install the aFe passenger side exhaust manifold to the cylinder head using the supplied hardware and the stock spacers. Torque the bolts to 28 lb-ft.
9. Using the factory hardware bolt the passenger side exhaust manifold to the passenger side up-pipe. Tighten bolts to 20 lb-ft.
10. Install transmission dipstick tube, transmission dipstick, passenger side inner fender liner and wheel.

Driver Side Manifold

11. Remove the driver side wheel and inner fender liner.
 12. Use a 5/8" wrench to disconnect the exhaust pressure tube from the driver side exhaust manifold.
 13. Remove the two bolts and nuts securing the driver side up pipe to the manifold with a 10mm wrench and a 12mm socket.
 14. With a 10mm socket remove the eight bolts, eight spacers, and the driver side manifold.
 15. Install the 1/8" NPT plug into the passenger side aFe manifold, be careful to not overtighten the plug.
- NOTE: If an EGT probe or other sensor will be installed in this manifold install the sensor in the 1/8" NPT port.**
16. With a 9/16 wrench remove the exhaust pressure fitting from the stock driver side manifold and install on the aFe driver side manifold.
 17. Install the aFe driver side exhaust manifold to the cylinder head using the supplied hardware and the stock spacers. Torque the bolts to 28 lb-ft.
 18. Using the factory hardware bolt the driver side exhaust manifold to the driver side up-pipe. Tighten bolts to 20 lb-ft.
 19. Connect the exhaust pressure tube.
 20. Install driver side inner fender liner and wheel.
 21. Connect vehicle batteries.
 22. Check for exhaust leaks.
 23. Your installation is now complete. Thank you for choosing aFe POWER!

***Note:** Retighten all connections after approximately 100-200 miles.

****Note:** This product is not CARB exempt at this time and is not legal for sale in California or use on vehicles registered with the California Department of Motor Vehicles.