



M-9430-E464/E465 4.6L 4V Exhaust Manifold Kit INSTALLATION INSTRUCTIONS

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!!! PLEASE READ ALL OF THE FOLLOWING INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION. AT ANY TIME YOU DO NOT UNDERSTAND THE INSTRUCTIONS, PLEASE CALL THE FORD RACING TECHLINE AT 1-800-367-3788 !!!

OVERVIEW:

This kit is designed for the use in 1996-02 4.6L-4V Mustangs and will bolt up to a stock exhaust system. The use of a floor hoist is recommended. If you do not have access to one, use a hydraulic floor jack and jack stands to raise the vehicle.

!!! CAUTION: BEFORE STARTING WORK, VERIFY THAT THE FITTINGS ON THE EXHAUST MANIFOLDS ARE IN THE SAME PLACE ON THE HEADERS !!!

!!! CAUTION: JACK STANDS MUST BE USED ON A LEVEL SURFACE AND BE SECURELY SEATED. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY OR VEHICLE DAMAGE !!!

INSTALLATION INSTRUCTIONS:

!!! PERFORM THE FOLLOWING WORK ON A COLD VEHICLE ONLY !!!

- STEP 1:** Disconnect battery.
- STEP 2:** Disconnect HEGO sensor from catalytic converter and retain for re-installation.
- STEP 3:** Remove catalytic converters and cross-over pipe as an assembly. Removal of mufflers is not necessary.
- STEP 4:** (If applicable) Disconnect secondary air from the front of both exhaust manifolds, remove connectors and install new manifolds.

Passenger Side

- STEP 5:** Remove starter.
- STEP 6:** Remove exhaust manifold nuts and lower front stud.
- STEP 7:** Support engine with jack and remove motor mount bolts.
- STEP 8:** Raise the engine approximately 1-1/2". Check engine clearance to adjacent parts while raising the engine.

Factory Ford shop manuals are available from Helm Publications, 1-800-782-4356



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- STEP 9:** Remove exhaust manifold and gasket and then remove remaining studs.
- STEP 10:** Install new exhaust manifold and gasket.
- STEP 11:** Install provided bolts and tighten. Torque to 15-20 ft. lbs.
- STEP 12:** Lower engine back into place. **TIGHTEN MOTOR MOUNT BOLTS.**
- STEP 13:** Re-install starter (consult a Ford shop manual for proper procedure).

Driver Side

- STEP 14:** Disconnect EGR tube at the exhaust manifold.
- STEP 15:** Loosen bolt on steering shaft collar at the rack, separate collar from rack by prying shaft backward and place shaft out of the way.
- STEP 16:** Remove dipstick tube.
- STEP 17:** Remove exhaust manifold nuts.
- STEP 18:** Remove exhaust manifold and gasket and then remove studs.
- STEP 19:** Install two (2) provided studs in exit flange of manifold.
- STEP 20:** Install new manifold and gasket. Note: The dipstick tube needs to be re-installed between the exhaust flange and the engine block prior to the installation of the manifold.
- STEP 21:** Install provided bolts and tighten. Torque to 15-20 ft. lbs.
- STEP 22:** Re-install the steering shaft and tighten the bolt on the collar.
- STEP 23:** Attach the EGR tube to the exhaust manifold.
- STEP 24:** Re-install catalytic converter assembly. Use two (2) provided bolts on the passenger side and two (2) provided nuts on the driver side to fasten the assembly of the manifolds. Use of anti-seize is strongly recommended.
- STEP 25:** Reconnect HEGO sensors.
- STEP 26:** (If applicable) Re-connect secondary air to front of new manifolds.
- STEP 27:** Re-connect battery.
- STEP 28:** Start engine and test for leaks.

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