



M-9430-ZX3C 2.0L Focus Header INSTALLATION INSTRUCTIONS

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Please visit www.fordracingparts.com for the most current instruction information

!!! 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 2.0L ZX3 and ZX5 Focus. 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: 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.

NOTE: Catalytic converter **MUST** be removed to access one of the bolts on the stock exhaust manifold. See Fig 1.



Fig 1

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

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STEP 2: Remove Heat Shield

- a) Remove four (4) bolts holding the heat shield to the exhaust manifold [8mm] See Fig 2.

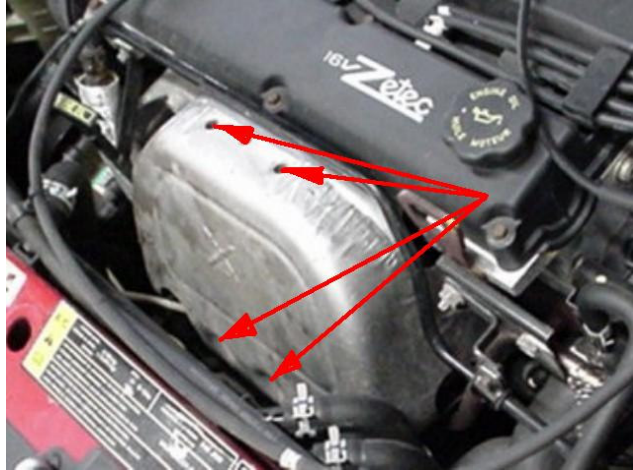


Fig 2

- b) To remove shield, lift right side first, then left, angle forward and pull out.

STEP 3: Remove Catalyst

- a) From above, remove three (3) nuts which attach catalyst to exhaust manifold [15mm] See Fig 3.

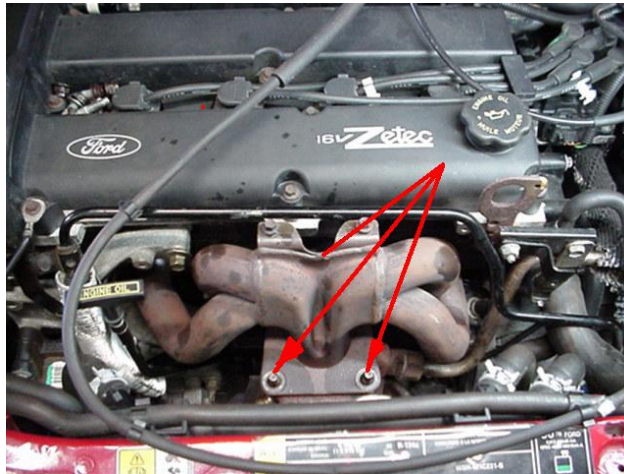


Fig 3

- b) Disconnect the O2 sensor connection

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- c) From below, remove the EGR connection to the catalyst [1 1/16"] See Fig 4.



Fig 4

- d) Remove the two (2) nuts holding the catalyst outlet to the exhaust [15mm] See Fig 5
e) Remove the two (2) bolts for the bracket for the catalyst outlet [13mm] See Fig 5

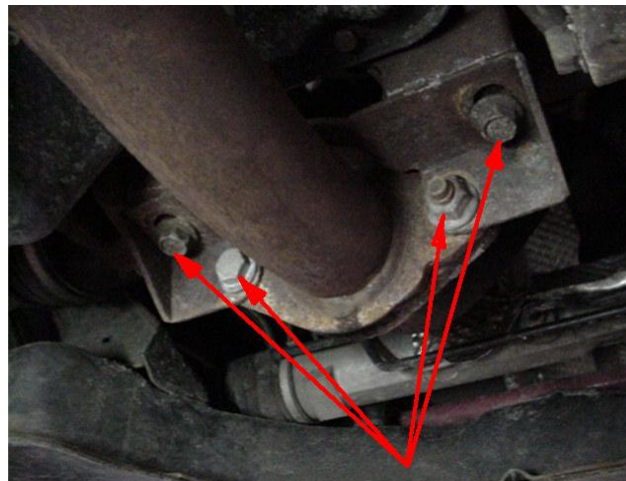


Fig 5

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- f) Loosen the two (2) nuts holding the catalystr to the engine bracket [13mm] See Fig 6



Fig 6

- g) Disconnect the downstream O2 sensor connection
h) Remove the nuts holding the catalystr to the block and remove catalystr

STEP 4:

Remove Stock Exhaust Manifold

- a) Remove the three (3) nuts and six (6) bolts holding the stock exhaust manifold to the head [10mm, 13mm] See Fig 7

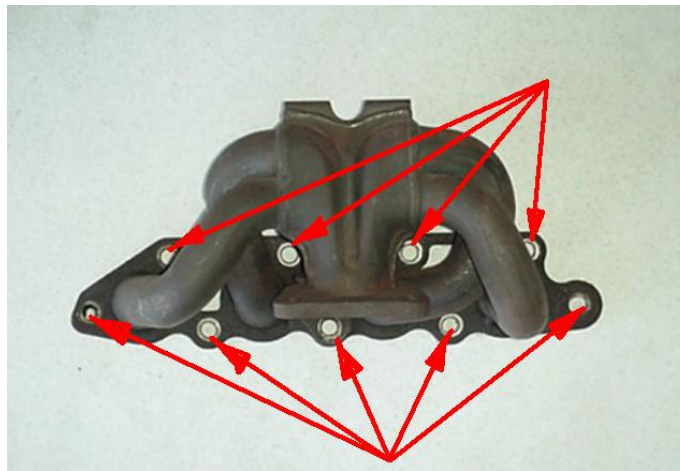


Fig 7

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Note: It may help to remove both the bolt holding the dipstick tube to the cylinder head [8mm] and the bolt holding the power steering line bracket to the cylinder head [15mm] See Fig 8
Some combination of extensions and u-joints may be helpful



Fig 8

- b) Note that there are plastic centering rings around the left and right studs. They will be replaced.
- c) Remove stock exhaust manifold from the top of the engine compartment
- d) Remove the old exhaust manifold gasket and plastic centering rings if they remain

STEP 5:

Install FRT Header

- a) Position new exhaust manifold gasket in place [968Z-9448-AA]
- b) Position new plastic centering rings on the right and left studs [W703974-S300]
- c) Position FRT Header in place over studs, ensure that plastic centering rings are not displaced
- d) Install nuts and bolts and torque
- e) If removed, reinstall dipstick tube and power steering line brackets

STEP 6:

Reinstall Catalyst

- a) Pry old gasket out of cat and install new one [YS4Z-9450-CA]
- b) From below, position catalyst in place and install one of the nuts holding the catalyst to the header to hold it in place
- c) Loosen the two (2) nuts which hold catalyst bracket to the engine [13mm], loosely install the nuts holding the catalyst bracket to engine.

Note: This will allow the catalyst to align properly to the new exhaust header.

- d) Install new gasket and loosely install nuts holding catalyst outlet to exhaust and bracket [YS4Z-9450-FA]
- e) From above, install and torque the three (3) nuts holding the catalyst to the header
- f) From below, tighten the remaining nuts
- g) Reattach both O2 sensor connectors and check to make sure everything has been tightened



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STEP 7:

Heat Shielding

- a) Install provided convolute tube by slipping onto the power steering line that runs over the header.
Note: It may help to adjust the orientation of the line by re-positioning the brackets holding the power steering line to the cylinder head. Ensure that there is no contact between the line and other components
- b) Install the under hood insulation by removing the appropriate fasteners and using the new fasteners to attach the included insulation. Silicone applied to the underside of the shield will aid retention.
- c) Install the coolant hose insulation by wrapping around the coolant tubes ahead of the header and use the nylon zip ties to fasten to the hoses.

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