2011-2014 Ford F150 5.0 L Coyote
Installation Instructions

Thank you for your purchase, we appreciate your business!

Do not attempt this installation if proper safety equipment is not available to you. Seek the assistance of a professional installer. Read and understand all directions before starting any of the instruction process.

A lift is highly recommended in the installation process of these components. If a vehicle lift is not accessible to you, a jack and four jack stands may be substituted. It is recommended to refer to your owner's manual before raising and supporting any vehicle. A basic understanding of general hand tools and vehicle mechanics is also recommended.

Always disconnect the negative battery terminal before beginning this type of work on any vehicle. An 8mm socket or wrench will allow you to do so, on this vehicle.

STEP 1 – Raise and support the vehicle (Refer to owner's manual on specified jacking points).

STEP 2 – Loosen the factory exhaust at the 2 bolt flange (2) 10 mm bolts

STEP 3 – Loose clamp at slip fit connection point (behind the 2 bolt flange connections point) and remove the front section of the pipe with resonator between the 2 bolt flange connection and slip joint.

STEP 4 – Remove exhaust from all hangers then remove from truck

STEP 5 – Remove skid plate on left side of transmission cross member (4) 8 mm bolts

STEP 6 – The following instructions are required only if you are planning to save the factory exhaust, otherwise skip to STEP 18

STEP 7 – Remove (12) 10 mm bolts from front drive shaft

STEP 8 – Remove (2) 6 mm bolts holding left and right heat shields to transmission cross member

STEP 9 – Support transmission and transfer case with jack stands

STEP 10 – Remove (2) 12 mm nuts from transmission mount.

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STEP 11 – Remove (4) 12 mm bolts and nuts from cross member and remove cross member

STEP 12 – Remove (1) 10 mm bolt from left Y pipe hanger

STEP 13 – Loosen clamp on left head pipe

STEP 14 – Unplug all 02 sensors

STEP 15 – Remove (2) 10 mm nuts from left and (2) 10 mm nuts from right head pipes and remove head pipes

STEP 16 – Reinstall cross member and mount and tighten

STEP 17 – If you are not planning to save the old exhaust, you can simply cut hangers from Y-pipe to simplify removal of manifold pipes.

FOR CONNECTION TO ANY EXHAUST SYSTEM

STEP 18 – Remove remaining (2) 6 mm bolts from right heat shield and slide heat shield back toward the rear of the vehicle.

STEP 19 – Remove starter and wires (1) 6 mm nut (2) nuts and (3) 8 mm bolts

STEP 20 – Remove right and left side heat shields on manifolds (3) 6 mm bolts two per side

STEP 21 – Remove (16) 10 mm nuts, 8 per side from manifolds and remove manifolds

STEP 22 – Remove all (16) 10 mm studs from heads

STEP 23 – Re-install starter

STEP 24 – Re-install right heat shield

STEP 25 – Re-install (1) 6 mm bolt back in left heat shield at cross member

STEP 26 – Re-install all skid plates

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FOR HEADERS TO FACTORY EXHAUST

STEP 27 – Install and secure the wires away from the driveshaft

STEP 28 – Reconnect to factory exhaust using 2-1/2” clamp

STEP 29 – Reconnect battery. Be sure to have adequate clearance around all wires, hoses and lines. If anything is in contact with the exhaust system it will melt. Make sure to have at least ½” of clearance and wrap any suspect areas with DEI thermal barrier wrap

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