

INSTALLATION INSTRUCTIONS FOR DYNOMAX VT MUFFLER KIT: 38514

2012-2011 Ford F150 3.5L EcoBoost, 3.7L, 5.0L,
Ext. Cab & Crew Cab, 145" WB, 2WD/4WD

NOTICE: To install this DynoMax system, the spare tire
must be permanently relocated from under the vehicle.



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DANGER WARNING: SHOULD THE PURCHASER DECIDE TO INSTALL ANY EXHAUST PRODUCT AT HOME, BE WARNED THAT PASSENGER CAR OR LIGHT DUTY TRUCK/VAN "BUMPER" JACKS ARE INTENDED FOR EMERGENCY USE ONLY. THE USE OF FRAME CONTACT JACK STANDS IN CONJUNCTION WITH A FLOOR JACK AS MAIN SUPPORT IS HIGHLY RECOMMENDED TO MINIMIZE ACCIDENTAL DROPPING OF A VEHICLE DURING THE INSTALLATION PROCESS.

NOTE: Please read all instructions before starting any work.

1. Remove the OE front resonator and muffler/tail pipe assembly. Use WD-40, or a similar product to aid removal of the metal rod hangers from the rubber isolators.
2. Install the DynoMax front pipe **53836** to the outlet of the OE catalytic converter. Slide a 3" band clamp over the outlet end.
3. Install intermediate pipe **52500** (3.7L V6) or **52501** (3.5L V6 & 5.0L V8). Insert the rod hanger into the rubber isolator on passenger side frame. Slide a 3" band clamp over the outlet end.
4. Install DynoMax VT muffler **17963**. The muffler should lay flat when properly positioned. Slightly tighten the 3" inlet band clamp.
5. Slip a 2½" band clamp over each muffler outlet connection and install RH over-axle pipe **54783** and LH over-axle pipe **53834**. Position the LH pipe rod hanger into the OE rubber isolator. Reference the system diagram. Slightly tighten the 2½" clamps at the muffler outlet connections.
6. Install tail pipe hanger brackets from the mount kit **36943**, RH and LH, into a hole on both frame sides, RH and LH. The rod hanger and rubber insulator should be positioned over the rod hangers welded to tail pipes **53837** and **53835**. Each hanger bracket includes a clip nut that should be slid into the rectangular hole in each frame. The bracket plate is installed onto the frame and the bolt in each kit attaches to the clip nut to secure it tightly.

7. Slip a 2½" band clamp onto the inlet end of each and install LH tail pipe **53837** and RH tail pipe **53835**. See system diagram.
8. Install SS tips **36486** onto both tail pipes using the 2½" band clamp that is included with each tip.
9. Beginning at the inlet end, position all components and fully tighten the clamps. Please see the full system diagram on the back page.

KIT CONTAINS:

- (1) 17963 DYNOMAX VT MUFFLER
- (1) 53836 FRONT PIPE
- (1) 52500 INTERMEDIATE PIPE
- (1) 52501 INTERMEDIATE PIPE
- (1) 54783 OVER-AXLE PIPE
- (1) 54834 OVER-AXLE PIPE
- (1) 53835 TAIL PIPE
- (1) 53837 TAIL PIPE
- (1) 36493 HANGER KIT
- (2) 36486 SS TIPS w/2½" BAND CLAMPS
- (4) 36438 2½" BAND CLAMPS
- (2) 36433 3" BAND CLAMPS
- (1) 712410 INSTRUCTION SHEET

38514 SYSTEM DIAGRAM

