

2015+ FORD MUSTANG ECOBOOST

DOWNPIPE

PARTS LIST AND INSTALLATION GUIDE



PARTS INCLUDED

- 1PC** | STAINLESS STEEL, 2-PIECE DOWNPIPE WITH FLOATING 2-BOLT FLANGE, SLIP-JOINT CONNECTOR, AND V-BAND FLANGE
- 1PC** | HIGH-FLOW CATALYTIC CONVERTER (OPTIONAL)
- 1PC** | 3" SLIP-JOINT CLAMP
- 1PC** | 3" V-BAND CLAMP
- 1PC** | 3" TO 2.25" EXHAUST ADAPTER (FOR USE WITH STOCK EXHAUST OR MOST AFTERMARKET CAT-BACK EXHAUSTS WITH A 2.25" MID-PIPE)
- MOUNTING HARDWARE

TOOLS NEEDED

- | | |
|----------------------|--------------------|
| 11MM SOCKET | 3/8" DRIVE RATCHET |
| 13MM SOCKET | 14MM WRENCH |
| 15MM SOCKET | 19MM WRENCH |
| 3/8" DRIVE EXTENSION | 22MM WRENCH |

INSTALL TIME 2 HOURS

INSTALL DIFFICULTY

DISCLAIMER

- Raise vehicle only on jack stands or on a vehicle lift.
- Allow vehicle to cool completely prior to attempting installation.
- Do not run the engine or drive the vehicle while overheating; serious damage can occur.
- Please dispose of any liquids properly.
- Mishimoto is not responsible for any vehicle damage or personal injury due to installation errors, misuse, or removal of Mishimoto products.
- Mishimoto suggests that a trained professional install all Mishimoto products.

CAUTION

Never work on the cooling system when it is hot. The coolant temperature in the radiator can be considerably higher than

boiling, and the system may be under pressure. Opening a cooling system that is hot or under pressure can result in serious injury. Always wait until the system has cooled completely before servicing it in any way.

NOTE

Your Mustang will require a tune after installing this downpipe. Be sure to have a tuning solution ready before installation.

INSTALL PROCEDURE

- 01.** Set the vehicle on an automotive lift or raise it with a jack and place it securely on jack stands. Refer to your owner's manual for safe lifting points if you are unsure.
- 02.** Disconnect the electrical harness from the primary oxygen sensor. The harness connector is located at the rear of the engine, on the passenger side.



- 03.** Remove the two nuts that hold the downpipe to the turbo. (2x 15mm nuts)



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01

2015+ FORD MUSTANG ECOBOOST

DOWNPIPE

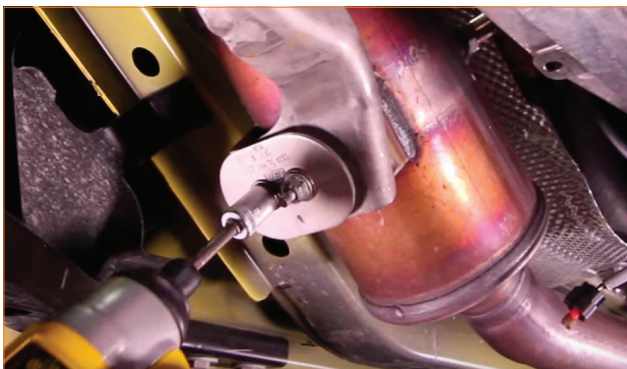
INSTALLATION GUIDE



04. Raise your Mustang and disconnect the electrical harness from the secondary oxygen sensor.



05. Remove the two nuts holding the bracket to the downpipe, and then remove the plate under the bracket. (2x 13mm nuts, 1x plate)

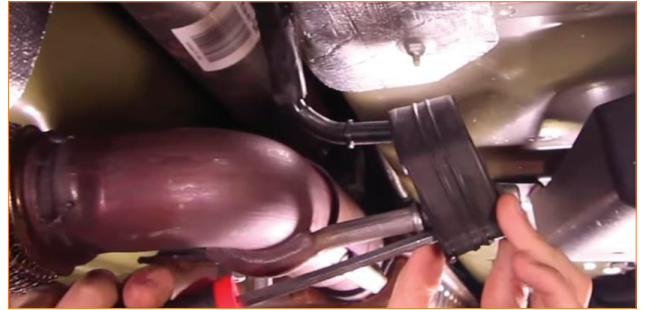


06. Loosen the two bolts that hold the bracket to the transmission, allowing the bracket to move. (2x 13mm bolts)

07. Loosen the two nuts on the sleeve clamp that secures the downpipe to the exhaust. (2x 15mm nuts)



08. Lubricate the rubber grommet, and push the hanger on the downpipe out of the grommet.

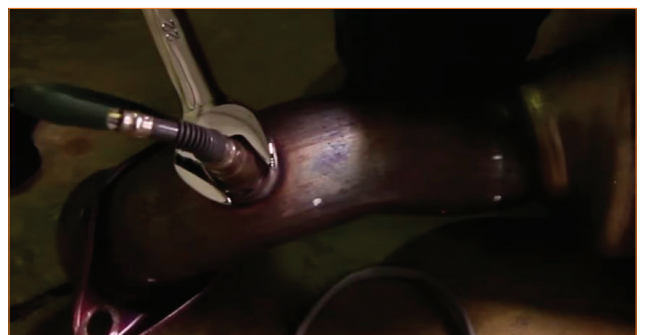


09. Wiggle the downpipe to free it from the exhaust system, and then remove the downpipe.

10. Remove the exhaust gasket from the turbo outlet and inspect it for wear. Replace this gasket if there are any signs of deterioration or leakage.



11. Remove the O2 sensors from the stock downpipe using a 22mm wrench. Note the position of each sensor as they are different.



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02

2015+ FORD MUSTANG ECOBOOST DOWNPIPE INSTALLATION GUIDE



12. Remove the plugs from the Mishimoto downpipe. Lubricate the threads of the O2 sensors with anti-seize lubricant and install them onto the Mishimoto downpipe. The sensor with the green cable sheath installs near the turbo outlet.
13. **Optional:** The threaded bung on the flex-section of the Mishimoto downpipe is for a wide-band O2 sensor. If you are going to use it, remove the plug and install a wide-band sensor. If you aren't going to use it, simply tighten the plug.
14. Raise the upper section of the Mishimoto downpipe into place, and slip the studs through the bracket on the transmission. Install the plate you removed earlier and thread on the two nuts, but do not fully tighten them yet. (2x 13mm nuts, 1x plate)
15. Reinstall the exhaust gasket to the turbocharger outlet. Slide the top of the downpipe onto the gasket, and slide the flange over the studs on the turbo. Thread on the two nuts you removed earlier, but do not fully tighten them yet. (2x 15mm nuts)
16. Slide the provided clamp over the other end of the upper downpipe section. The wider end should face towards the rear of the vehicle. (1x exhaust clamp)



17. Raise the flex section of the Mishimoto downpipe into place, and slip the hanger through the rubber grommet. Then slide the flex section of the downpipe over the upper section of the downpipe.
18. Insert the provided V-band adaptor into the stock exhaust. Secure the flex section to the exhaust using the provided V-band clamp. (1x 11mm V-band clamp)



19. Check to make sure the downpipe is properly seated on the turbocharger outlet gasket, then tighten the nuts. It may be necessary to loosen the nuts and reposition the downpipe on the turbo. **Tip:** if you are having trouble getting this gasket to seal, have a friend push upward on the downpipe, and then tighten the nuts.
20. Secure the upper section of the downpipe to the flex section with the clamp you installed earlier.
21. Secure the V-band adaptor to the exhaust system with the stock sleeve clamp. (2x 15mm nuts)
22. Go back and tighten the nuts that attach the bracket to the downpipe and the bolts that secure the bracket to the transmission.
23. Reconnect the electrical harness to the secondary O2 sensor.
24. Reconnect the electrical harness to the primary O2 sensor.

Congrats! You just finished installing the 2015+ Ford Mustang EcoBoost Downpipe



03