

FORD MUSTANG ECOBOOST PERFORMANCE AIR INTAKE, 2015–2017

PARTS LIST AND INSTALLATION GUIDE

PARTS LIST

1PC | ALUMINUM INTAKE PIPE

1PC | HIGH-FLOW, OILED AIR FILTER

1PC | SILICONE INDUCTION HOSE

1PC | AIRBOX

1PC | 1/16" RUBBER STRIPPING, 9" LENGTH

1PC | 1/16" RUBBER STRIPPING, 8.5" LENGTH

1PC | WORM-GEAR CLAMP

1PC | 2.5" T-BOLT CLAMP

1PC | HARDWARE

1PC | CARB EO STICKER

TOOLS NEEDED

8MM SOCKET

10MM RATCHET WRENCH

10MM SOCKET

FLATHEAD
SCREWDRIVER

10MM DEEP SOCKET

CHANNELLOCK PLIERS

4MM ALLEN KEY

INSTALLATION TIME:

3/8" DRIVE 6" EXTENSION

30–60 MINUTES

3/8" DRIVE RATCHET

DIFFICULTY LEVEL: 2/5

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.

INSTALLATION INSTRUCTIONS

01) REMOVING THE FACTORY INTAKE

1. Loosen the worm-gear clamp connecting the intake box to the rubber intake boot, and remove the boot from the intake box. (flathead screwdriver)



2. Disconnect the plug from the intake air temperature (IAT) sensor.

3. Remove the tree clip and 10mm bolt holding the airbox to the inner wheel well.



4. Remove the airbox by pulling it toward the rear of your Mustang and then pull up.

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5. Remove the IAT sensor from the airbox. Gently lift the tab on the sensor, and then turn the entire sensor counterclockwise and pull outward. (small flathead screwdriver).



6. Remove the spring clip from the bypass valve hose, and remove the bypass valve hose from the stock intake pipe.

7. Remove the quick-disconnect fitting from the hose next to the bypass valve. Pull outward on the plastic tab before pulling on the connector itself.



8. Loosen the worm-gear clamp connecting the intake tube to the turbo inlet. (flathead screwdriver)

9. Remove the intake tube by pulling toward the front of your Mustang and then slightly twisting the assembly to clear the side of the engine.



02) INSTALLING THE MISHIMOTO INTAKE

10. Attach the provided T-bolt clamp to the Mishimoto inlet hose, and connect the hose to the turbo. Using a small amount of WD-40 inside the hose will aid with installation. Do not fully tighten the clamp. Note: The clamp must be facing in the direction pictured.



11. Reconnect the quick-disconnect fitting. You should hear the plastic tabs snap into place.

12. Reconnect the bypass valve hose to the CNC-machined fitting on the Mishimoto inlet hose, and slide the spring clip into place. (Channellock pliers).



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13. Remove the long 10mm bolt that secures the headlight housing.



14. Remove the tree clips from the harness on the bottom of the wheel well. (flathead screwdriver)



15. Loosen the 8mm top ground bolt but do not fully remove.



16. Firmly apply the smaller rubber strip to the airbox opening, and install the airbox into the engine bay. You might need to pull the plastic diversion plate slightly upward.



17. Make sure that the tab on the airbox falls in line with the ground bolt, and fully tighten the 8mm ground bolt.



18. Install the two tree clips on the bottom, starting with the rearward tree clip.

19. Reinstall the long 10mm bolt through the forward tab on the airbox and fully tighten.



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20. Attach the filter to the aluminum intake pipe, and tighten the filter into place. (flathead screwdriver)



21. Attach the upper rubber bushing to the intake pipe. The unused threads must be facing upward. (10mm ratchet wrench)



22. Reinstall the IAT sensor by pushing on the opening of the pipe and then turning clockwise until it stops. Gently pull upward to be sure that the IAT sensor is seated correctly.

22. Reinstall the IAT sensor by pushing on the opening of the pipe and then turning clockwise until it stops. Gently pull upward to be sure that the IAT sensor is seated correctly.



23. Attach the large worm-gear clamp to the hose.



24. Remove the tree clip holding the wire harness to the body of your Mustang.



25. Insert the intake pipe and air filter into the engine bay. If the filter fitment is tight, turn the assembly slightly during install.



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26. Position the rubber bushing so that the threads protrude through the opening in the body. Install the 10mm nut and hand tighten.



27. Position the intake pipe into the inlet hose. The hose should have some room to move. Fully tighten the large worm-gear clamp.



28. Fully tighten the T-bolt clamp that holds the inlet hose to the turbo. (10mm socket)



29. Fully tighten the 10mm nut that holds the rubber bushing to the body of your Mustang.

30. Route the wire harness around the intake pipe and through the small cutout near the corner of the airbox. Attach the tree clip to the opening in the airbox.



31. Route the wire plug outside the airbox, and connect it to the IAT sensor.



32. Attach the large rubber strip to the airbox lid. One end must sit flush, while the other end should extend about 3/4" for clearance.



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33. Insert the airbox lid and press firmly. Attach the lid to the airbox using the supplied Mishimoto 4mm black button head bolts and nylon washers.



34. Please place the included CARB EO sticker in a clean, visible location. After that you have now successfully installed the Mishimoto 2015–2017 Ford Mustang EcoBoost Performance Air Intake. Enjoy!