

2014+ FORD FIESTA ST

AIR INTAKE

PARTS LIST AND INSTALLATION GUIDE



PARTS LIST

- 1 PC |** ALUMINUM INTAKE PIPE W/ CNC-MACHINED MAF SECTION
- 1 PC |** AIRBOX W/ PROTECTIVE EDGING
- 1 PC |** HIGH-FLOW OILED FILTER
- 1 PC |** SILICONE TURBO INLET HOSE
- 2 PC |** WORM-GEAR CLAMPS
- 1 PC |** CARB EO STICKER

TOOLS NEEDED

- | | |
|------------------------|--------------------|
| FLATHEAD SCREWDRIVER | 8MM SOCKET |
| 2.5MM ALLEN KEY/SOCKET | 10MM SOCKET |
| 4MM ALLEN KEY/SOCKET | 12MM DEEP SOCKET |
| T20 TORX DRIVER/SOCKET | 1/4" DRIVE RATCHET |
| 7MM SOCKET | |

INSTALLATION TIME UNDER ONE HOUR

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.

INSTALLATION INSTRUCTIONS

- 01.** Remove the engine cover by lifting directly upward. The cover is held on by four rubber grommets.
- 02.** Remove the nut that secures the air intake tubing to the valve cover. (1x 10mm nut)

- 03.** Unscrew and remove the plastic stud that secures the air intake tubing to the valve cover. (1x 12mm stud)



- 04.** Disconnect the crankcase vent hose from the intake tubing by squeezing the knurled tabs where the connector meets the intake tubing. Then swing the vent hose out of the way.



- 05.** Disconnect the evap hose from the rubber intake hose. Pry the green locking tab away from the connector to release it, then pull the hose off the port.



- 06.** Loosen the clamps that secure the rubber intake hose to the airbox and the intake tubing. Then remove the rubber intake hose from the vehicle.

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- 07.** Disconnect the electrical harness for the mass airflow (MAF) sensor. Unlock the connector by sliding the red locking tab out of the connector, then separate the connector from the sensor.



- 08.** Remove the airbox isolator bushing. Remove the Torx screw that runs through the center of the bushing. Then remove the bushing by pulling it upward. (1x T20 Torx screw)



- 09.** Separate the air intake duct from the radiator support by prying up on the edge near the center of the duct. Remove the air intake duct and airbox as one unit by pulling the airbox upward. The airbox is secured to the vehicle with two rubber grommets.



- 10.** Remove the MAF sensor from the stock airbox. Remove the two Torx screws that secure the sensor, then remove the sensor from the airbox. (2x T20 Torx screws)



- 11.** Transfer the MAF sensor to the Mishimoto intake pipe, and secure it with the two supplied Allen bolts. (2x 2.5mm Allen bolts)

- 12.** Loosen the clamp that secures the intake air tubing to the turbocharger. Then remove the intake air tubing from the vehicle. This is a tight fit so take your time. If you are getting tied up on the vacuum hose, remove it by squeezing the knurled tabs on the connector and pulling the line off of the vacuum pump.

- 13.** Remove one of the isolator grommets from the intake air tubing. Push the metal sleeve out of the grommet, then pull the grommet out of the slot. Transfer this grommet to the slot on the Mishimoto intake pipe, and insert the metal sleeve.



- 14.** Slip a worm-gear clamp over the narrow end of the Mishimoto silicone intake tube. Orient the worm-gear clamp so that you will be able to access the adjustment nut when it is installed on the vehicle. Then install the silicone intake tube to the turbocharger inlet. Snug the worm-gear clamp but do not fully tighten it. (1x worm-gear clamp)

- 15.** Slip a worm-gear clamp over the other end of the silicone intake tube, and align the clamp so the adjustment nut is accessible. (1x worm-gear clamp)

02

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16. Install the Mishimoto intake pipe. Slip the isolator grommet over the stud on the valve cover, and slide the pipe into the silicone intake tube.



17. Install the nut that secures the intake, but do not fully tighten it yet. (1x 10mm nut)
18. Install the plastic stud that secures the engine cover and snug it down. (1x 12mm stud)
19. Remove the air intake duct from the stock airbox. Pry between the tab on the duct and the body of the airbox to release the duct.
20. Slip the intake duct and intake pipe into the Mishimoto airbox, and install the airbox. Slip the pegs on the base of the airbox into grommets on the vehicle, and connect the intake air duct to the radiator support.
21. Install the air filter. Slip the filter over the intake pipe, and secure it with the worm-gear clamp.
22. Install the airbox lid, and secure it with the three supplied Allen bolts and washers. (3x 4mm Allen bolts, 3x washers)
23. Install the evap hose to the intake pipe and engage the green locking tab.
24. Connect the MAF sensor and engage the red locking tab.



25. If you removed it earlier, connect the vacuum line to the vacuum pump.
26. Connect the crankcase vent hose to the intake pipe.
27. Adjust the position of the intake pipe if needed, then secure the pipe by fully tightening the nut on the valve cover. (1x 10mm nut)
28. Fully tighten the clamp that secures the silicone intake boot to the intake pipe.
29. Fully tighten the clamp that secures the silicone intake boot to the turbocharger inlet.
30. Install the engine cover by pushing it down over the studs.
31. Please place the included CARB EO sticker in a clean, visible location.

Congrats! You just finished installing the 2014+ Ford Fiesta ST Air Intake

