

2014+ FORD FIESTA ST COLD-SIDE INTERCOOLER PIPE KIT PARTS LIST AND INSTALLATION GUIDE



PARTS LIST

- 1PC** | ALUMINUM PIPE
- 2PC** | SILICONE COUPLERS
- 1PC** | 1.75" T-BOLT CLAMP
- 3PC** | 2.75" T-BOLT CLAMPS

TOOLS NEEDED

- | | |
|----------------------|----------------------------------|
| FLATHEAD SCREWDRIVER | T20 TORX |
| 1/4" DRIVE RATCHET | POP-CLIP PLIERS |
| 3/8" DRIVE RATCHET | PLIERS (LINESMAN OR CHANNELLOCK) |
| 7MM DEEP SOCKET | HOSE CLAMP TOOL |
| 10MM SOCKET | |
| 13MM SOCKET | |

INSTALLATION TIME **.5 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.

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.

INSTALLATION INSTRUCTIONS

1. 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.
2. Remove the vacuum line that attaches to the port above the throttle body. Squeeze the knurled tabs to disengage the line, pull it off the port, and tuck it behind the engine cover.



3. Loosen the clamp that secures the stock cold-side pipe to the throttle body.
4. Compress the constant-tension clamp that secures the sound generator hose to the plastic sound generator housing until it locks in the open position.



5. From underneath the vehicle, remove the nut that secures the cold-side pipe to the engine. (1x 13mm nut)
6. Reach in between the piping and the bumper to loosen the clamp that secures the cold-side pipe to the intercooler on the driver side, and then, pull the cold-side pipe off the intercooler. If you are having a hard time accessing the clamp, remove the pop-clip and T20 Torx screw that secure the fender liner to the bumper cover. (1x T20 Torx screw, 1x pop-clip)

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7. Disconnect the plastic hose that connects to the cold-side pipe. To release the clip, gently pull back on the fingers of the green clip, pry the clip away from the sensor, and pull the line off the port.
8. Disconnect the electrical harness from the sensor on the cold-side pipe. Depress the tab on the connector, and pull it off the sensor.
9. Remove the cold-side pipe from the vehicle. The sound generator hose should still be attached to the cold-side pipe. The plastic sound generator housing will stay on the engine.
10. Remove the MAP sensor from the cold-side pipe, and install it on the Mishimoto cold-side pipe using the supplied 10mm bolt. (1x 7mm screw, 1x 10mm bolt)
11. If you decide to keep the stock sound generator, transfer the sound generator hose to the Mishimoto cold-side pipe. Compress the constant-tension clamp, pull the hose off the stock pipe, and install it on the Mishimoto pipe. Secure it with the original constant-tension clamp. (1x constant-tension clamp)

If you are deleting the sound generator, install the supplied CNC-machined plug and coupler to block the port on the cold-side pipe. Install the plug into the coupler, and secure it with a worm-gear clamp. Install the coupler on the cold-side pipe, and secure it with a worm-gear clamp. (2x worm-gear clamps)
12. Locate the transition coupler. Slip a T-bolt clamp over the smaller end of the coupler, and install it onto the throttle body. Tighten the clamp, making sure to position the T-bolt clamp so that the adjustment nut will face toward the front of the vehicle when installed. (1x T-bolt clamp)

13. Slip a T-bolt clamp over the cold-side pipe on the throttle body side, and make sure the adjustment nut will face toward the front of the vehicle. Install the cold-side pipe into the throttle body coupler. Do not tighten the clamp yet. (1x T-bolt clamp)
14. Connect the wiring harness to the MAP sensor, and install the plastic hose onto the port on the cold-side pipe. Ensure that the green locking tab is engaged.
15. Locate the intercooler coupler in your kit. Install the wider end onto the intercooler.
16. Slip two T-bolt clamps over the coupler, slide the cold-side pipe into the coupler, and tighten the clamps. (2x T-bolt clamps)
17. If you removed the fasteners from the fender liner, install them now. (1x pop-clip, 1x T20 screw)
18. Now go back and tighten the clamp at the throttle body.
19. Connect the vacuum line to the port above the throttle body. Push the connector into the port until it clicks.
20. Double-check all your connections. Start the vehicle, and take it for a test drive.

Congrats! You just finished installing the 2014+ Ford Fiesta ST Cold-Side Intercooler Pipe Kit

