

2014+ FORD FIESTA ST INTERCOOLER

PARTS LIST AND INSTALLATION GUIDE



PARTS LIST

1PC | MISHIMOTO INTERCOOLER

1PC | AIR DIVERSION PANELS WITH ASSEMBLED RUBBER TRIM

MOUNTING HARDWARE

TOOLS NEEDED

FLATHEAD SCREWDRIVER	8MM DEEP SOCKET
1/4" DRIVE 12" EXTENSION	8MM SWIVEL SOCKET
1/4" DRIVE RATCHET	7MM DEEP SOCKET
3/8" DRIVE RATCHET	10MM SOCKET
T20 TORX BIT OR SOCKET	13MM SOCKET

INSTALLATION TIME **UNDER 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; a 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 fasteners that secure the headlights. There are two bolts at each corner of the housing, and one Phillips-head pop-clip on the air diverter plate. Remove the fasteners on both sides. (4x Flathead/T30 Torx bolts, 2x Phillips-head pop-clips)
3. Remove the headlight by sliding the housing back toward the cabin and then lifting upward. Do this on both sides.
4. Unplug the electrical connectors for both headlights. Release the connectors by depressing the locking tab and pulling the connectors apart.
5. Remove the pop-clips from the top of the bumper cover, located on either side of the hood latch. (2x Phillips-head pop-clips)
6. Remove the fasteners that secure the fender liners to the front bumper cover. On each side you will find two T20 Torx screws, one 7mm bolt, and one pop-clip in the front section of the wheel well. (4x T20 Torx screws, 2x 7mm bolts, 2x pop-clips)
7. Remove the bolts holding the front bumper to the air diverter. These bolts are located just under the front edge of the bumper cover. (5x 7mm bolts)
8. Unplug the connectors for the fog lights. To release the connector, depress the locking tab and pull the connectors apart.
9. From inside the engine bay, remove the three bolts that hold the fender to the bumper cover on each side. This is most easily achieved with a long extension and swivel socket. (6x 8mm bolts)



10. Remove the bumper cover by sliding it forward, away from the vehicle.

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11. Remove the five 8mm bolts that secure the air diverter to the vehicle, and remove the air diverter. Two bolts are located at the top and three along the bottom. (5x 8mm bolts)
12. Loosen the clamps that secure the couplers to the intercooler. (2x 7mm/flathead worm-gear clamps)
13. Remove the two 8mm bolts that secure the intercooler to the vehicle. (2x 8mm bolts)



14. Remove the intercooler from the vehicle. The top of the intercooler is held in by two grommets. Pull the intercooler down, and slide it out of the couplers.
15. Transfer the grommets to the Mishimoto intercooler.
16. Locate the lower air diversion panel in your kit; it is the smaller panel. Install the panel on the bottom of the intercooler using the supplied hardware. (3x 10mm bolts)
17. Locate the upper air diversion panel in your kit; it is the larger panel. Install the panel on the top of the intercooler using the supplied hardware. When properly installed, the air diversion panel will be flush with the top of the intercooler. (3x 10mm bolts)



18. Install the Mishimoto intercooler. Slip the intercooler into the couplers, and push the intercooler up so that the upper pegs engage with the mounting holes.
19. Install the two 8mm bolts that secure the intercooler. These bolts are located behind the end tanks of the intercooler. (2x 8mm bolts)
20. Tighten the clamps that secure the coupler to the intercooler. (2x 7mm/flathead worm-gear clamps)
21. Install the plastic air diverter, and secure it with the five 8mm bolts. (5x 8mm bolts)
22. Now double check all your connections before installing your front bumper.
23. Install the bumper cover. There are two tabs along the bottom edge of the bumper cover that slip into slots on the air diverter. Tuck the air diverter under the bumper cover, and align the plastic wings on the air diverter with the holes in the bumper cover.
24. Install the bolts that secure the fenders to the front bumper. There are three on each side. (6x 8mm bolts)
25. Plug in the fog lights. You will hear a click when the connectors are locked.
26. Set the inner fender liners back into place.
27. Install the bolts that secure the bottom of the bumper cover to the air diverter (5x 7mm bolts)
28. Tighten the inner fender liner on both sides of the vehicle. (4x T20 Torx screws, 2x 7mm bolts, 2x pop-clips)
29. Install the headlights. There is a white plastic clip that holds the bottom of the headlight to the body. This clip may have rotated during removal. Connect the wiring harness to the headlight. Slide the entire housing in from the side, aligning the two bolt holes on the front of the headlight with the mounting locations on the body. Push the headlight housing down into the white plastic clip, and install the fasteners. Do this on both sides. (4x Flathead/T30 Torx bolts, 2x Phillips-head pop-clips)
30. Install the Phillips-head pop-clips in the top of the bumper cover on either side of the hood latch assembly. (2x Phillips-head pop-clips)

**Congrats! You just finished installing the
2014+ Ford Fiesta St Intercooler.**

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