

PARTS INCLUDED

Hot Side

- 1PC** Aluminum Intercooler Pipe
- 2PC** Silicone Couplers
- 4PC** High-Torque Worm Gear Clamps

Cold Side

- 1PC** Silicone Pipe
- 2PC** High-Torque Worm Gear Clamps

TOOLS NEEDED

- 7mm Socket
- 8mm Socket
- 10mm Socket
- 13mm Wrench
- 1/4" Drive & Extensions
- Pick Tool

INSTALL TIME 1-2 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.

ATTENTION

The first part of this installation consists of steps for the hot-side intercooler pipe. The second half is for the

cold-side intercooler pipe. Follow the correct steps depending on which side you're working on. If you are installing the full kit, we recommend following the steps in the order that they are listed.

INSTALL PROCEDURE

1. Remove the two nuts that secure the hot-side pipe to the transmission.
(1x 10mm nut, 1x 13mm nut)



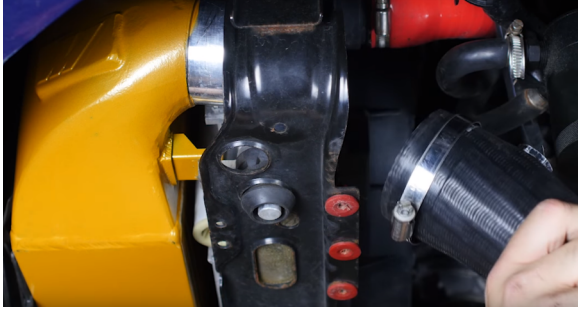
2. Loosen the clamp on the coupler between the hot-side pipe and turbo.
(1x worm gear clamp)



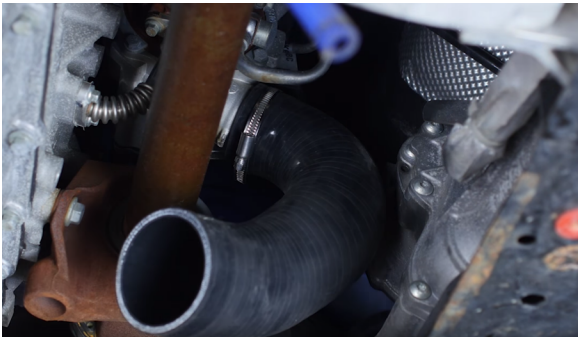
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- Loosen the clamp on the connection between the hot-side pipe and the intercooler, and then separate the pipe from the port. Use a pick tool to loosen the pipe around the end tank. Then, remove the hot-side pipe. (1x worm gear clamp)



- Slide a clamp over the shorter coupler in your kit and install it to the turbo. Leave the clamp loose for now. (1x worm gear clamp)



- Install the intercooler pipe to the open end of the coupler you just installed to the turbo. (1x worm gear clamp)



- Align the pipe so it will fit in the crease between the transmission and oil pan without touching either. Rest the two brackets welded to the pipe on the studs you removed nuts from earlier. Secure the pipe with those original nuts. (1x 10mm nut, 1x 13mm nut)



- Slide two clamps over the larger coupler in your kit. The longer end of the coupler will attach to the hot-side pipe and the shorter end goes to the intercooler. (2x worm gear clamps)
- Install the coupler to the pipe first, and then to the intercooler. Tighten the clamp at the intercooler connection. Do not overtighten the clamp or else it will become stripped.



- When tightening the second clamp, make sure it is over the pipe's bead roll. Do the same with the clamp securing the connection between the first coupler and hot-side pipe.
- Remove the engine cover.
- Loosen the clamp securing the stock cold-side pipe to the intercooler end tank. Then, separate the pipe from the end tank. Use a pick tool to

help release the pipe. (1x worm gear clamp)



12. Loosen the clamp securing the stock cold-side pipe to the throttle body. Pull down on the pipe to separate it from the throttle body, and then lower it from the vehicle. (1x worm gear clamp)



13. Slide a clamp over each end of your Mishimoto cold-side pipe. We recommend tightening the clamps enough so they sit on the coupler and do not move out of position. (2x worm gear clamps)
14. Install the end with a bend onto the intercooler first. Use a lubricant spray to help get the pipe over the port.



15. Rotate the coupler up and install it onto the throttle body.



16. Tighten each clamp, making sure that the coupler is fully seated and the clamp isn't on the bead roll of either port. Reinstall the engine cover.

Congratulations! You have finished installing the Mishimoto 2013+ Ford Focus ST Intercooler Pipe Kit.