

2018+ JEEP WRANGLER JL 2.0L PERFORMANCE INTERCOOLER PIPE PARTS LIST & INSTALLATION GUIDE



PARTS INCLUDED

- 1PC Cast Aluminum Intercooler Pipe
- 1PC Cast Aluminum Bypass Valve Mount
- 2PC Silicone Boots w/ DuraCore™ Technology
- 4PC High-Torque Worm Gear Clamps

TOOLS NEEDED

- 3/8" Drive Ratchet
- 3/8" Drive Extension
- 19mm Socket
- 10mm Socket
- 8mm Socket
- T25 Torx
- Pliers

INSTALL TIME 1 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.

INSTALL PROCEDURE

1. Remove the engine cover. (2x 10mm bolts)
2. Remove the bolts that secure the side engine cover. (2x 10mm bolts)



3. Release the breather attached to the heat shrouding. (2x pop-clips)



4. Disconnect the ventilation port for the valve cover. Pull the gray tab to free the connection.



5. Disconnect the blow-off valve electrical harness. Lift the red tab and depress the black tab at the center to separate the connection.

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6. Disconnect the MAP and temperature sensors.



7. Loosen the clamps that hold the hoses on the intercooler pipe.
(4x worm gear clamps, 1x spring clamp)



8. Remove the stock intercooler pipe.
9. Separate the blow-off valve from the intercooler pipe. Then do the same with the MAP sensor.
(1x 10mm bolt, 3x 8mm bolts, 1x T25 torx screws)



10. Remove the temperature sensor from the intercooler pipe. Then install it onto the Mishimoto pipe. Snug it down until tight.



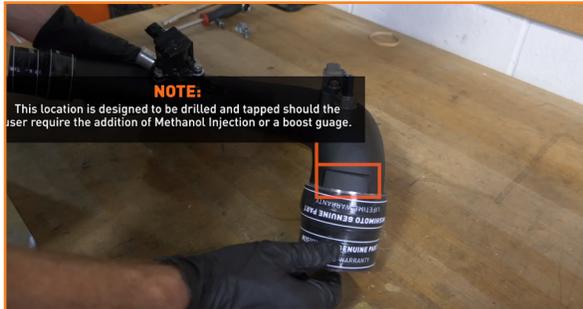
11. Install the MAP sensor onto the Mishimoto pipe.
(1x 10mm bolt)
12. Transfer the rubber grommet to the Mishimoto pipe. Use the spacers provided in your kit, not the stock ones.
13. Place the provided O-ring within the adapter from your kit. Install both the adapter and blow-off valve onto the Mishimoto pipe using the provided hardware. (3x 10mm bolt, 3x lock washers, 3x washers, 1x O-ring)



14. Install the couplers to your Mishimoto pipe. You'll notice one side on each coupler is larger. These ends will attach to your pipe.
15. Make note of the raised section on the larger end of the pipe. This location is designed to be drilled and tapped should you require the addition of methanol injection or a boost gauge.

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16. Rest the clamps on the smaller coupler.
(1x 50/70mm, 1x 40/60mm worm gear clamps)
17. Set up the clamps on the larger coupler.
(2x 70/90mm worm gear clamps)
18. Install the intercooler pipe. Direct the larger end under the rear overhang on the firewall. Slide the smaller coupler onto the turbo housing.



19. Slide the larger side over the throttle body. It may be necessary to angle the larger coupler on the intercooler pipe to get them to easily slide onto the throttle body.
20. Attach the bypass hose to the pipe. Replace the original clamp with the one provided.
(1x worm gear clamp)
21. Tighten all the clamps to secure the pipe and coupler connections. (5x worm gear clamps)
22. Reconnect the temperature and MAP sensors.
23. Reconnect the blow-off valve electrical harness.
24. Reconnect the ventilation port.
25. Secure the intercooler pipe with the original bolt.
(1x 10mm bolt)

26. Secure the breather to the heat shrouding.
(2x pop-clips)
27. Reinstall the side engine cover. (2x 10mm bolts)
28. Reinstall the engine cover. (2x 10mm bolts)

Congratulations! You have finished installing the Mishimoto 2018+ Jeep Wrangler JL 2.0L Performance Intercooler Pipe.