

MISHIMOTO 2015+ SUBARU WRX CVT TRANSMISSION COOLER KIT

PARTS LIST AND INSTALLATION GUIDE

PARTS LIST

1PC | 19-ROW OIL COOLER

2PC | 6' LENGTHS OF RUBBER HOSE

2PC | PUSH-ON BARB FITTINGS

1PC | DIRECT-FIT BRACKET SET

4PC | SMALL WORM-GEAR CLAMPS

1PC | MOUNTING HARDWARE

TOOLS NEEDED

| | |
|-------------------------|--------------------------------|
| 10MM DEEP SOCKET | PLIERS |
| 12MM DEEP SOCKET | DIKES |
| 3/8" DRIVE 6" EXTENSION | POP-CLIP PLIERS |
| 3/8" DRIVE RATCHET | -10AN WRENCH |
| 10MM WRENCH | SUBARU "HIGH TORQUE" CVT FLUID |
| 10MM RATCHET WRENCH | |
| FLATHEAD SCREWDRIVER | |

DIFFICULTY LEVEL: 4/5

INSTALL TIME: 2 HOURS

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) REMOVING THE STOCK INTERCOOLER

1. Remove the stock air intake duct. (2x pop clips)
2. Remove the engine cover. (2x pop clips)
3. Loosen the worm-gear clamp on the cool-side charge pipe.
4. Remove the driver-side mounting bracket for the intercooler. (2x 12mm bolts)
5. Remove the passenger-side mounting bolt for the intercooler. (1x 12mm bolt)
6. Disconnect the intake pipe from the intercooler and remove the intercooler from the engine bay.
7. Remove the passenger-side mounting bracket for the intercooler. (1x 12mm bolt)

02) REMOVING THE FRONT BUMPER

1. Remove the 8x pop clips from the bottom of the front bumper.
2. Remove the 2x pop clips that hold the front bumper to the fender lining on each side.
3. Remove the 6x 10mm bolts on top of the front bumper.
4. Remove the remaining 3x pop clips on top of the front bumper.
5. Carefully unclip the front bumper cover and pull outward about 10 inches (25 cm), ensuring that the fog light connections are not damaged.
6. Disconnect the fog lights.
7. Completely remove the front bumper cover.
8. Remove the 6x pop clips on the trim in front of the radiator.
9. Remove the upper support for the front bumper cover. (8x 10mm bolts)

03) INSTALLING THE MISHIMOTO TRANSMISSION COOLER

1. Route the supplied hoses between the front corner of the passenger-side headlight and the crash bar.
2. Route the ends of the hoses that are now in the engine bay toward the rear of the motor, following the intake pipe.
3. Locate the stock transmission cooler underneath the passenger-side mounting bracket for the intercooler. It is silver and round, with two coolant lines and two smaller transmission lines.
4. Remove the bottom hose for the transmission fluid from the side port of the stock transmission cooler. This is the outlet of the stock transmission cooler.

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- Remove the other end of the hose from the transmission fluid line. Some excess transmission fluid might drip onto the stock transmission cooler.
- Place a worm-gear clamp onto the loose end of one of the supplied hoses now in the engine bay. Install the hose onto the outlet port of the stock transmission cooler.
- Place a worm-gear clamp onto the end of the other supplied hose and connect it to the transmission fluid line.
- Install a -10AN hose fitting to one port of the Mishimoto transmission cooler.
- Place a funnel into the remaining port of the Mishimoto cooler. Proceed to fill the cooler with approximately 0.5–0.75 quart (0.48–0.71 liter) of transmission fluid. (Note: Use only Subaru “High Torque” CVT fluid.)
- Once the transmission cooler has been filled with fluid, remove the funnel and install a -10AN hose fitting onto the port. Fully tighten all -10AN fittings to prevent any leaks.
- Place the supplied worm-gear clamps onto the rubber hoses. Pull some excess hose through the front of the vehicle. If desired, trim about 6–10 inches (15–25 cm) from each rubber hose for a more snug fit in the engine bay.
- Attach the rubber hoses onto the barb side of the -10AN fittings. Make sure the hose clamps are as far up against the flange of the barb fitting to prevent any leaks.
- Install the provided mounting brackets onto the sides of the transmission cooler. (Note: The ends of the mounting brackets should be facing outward, not inward.)
- Install the transmission cooler onto the upper support for the front bumper. (2x upper mounting brackets, 2x 10mm bolts)
- Reinstall the upper support for the front bumper.
- Secure the mounting brackets for the lower transmission cooler to the bottom of the upper support for the front bumper. (2x 10mm bolts)
- Zip-tie the transmission cooler hoses out of the way. Make sure the zip ties do not cause any kinks in the lines.
- Reinstall to the trim located in front of the radiator. (6x pop clips)
- Reconnect the fog lights in the front bumper to their harnesses.
- Reinstall the front bumper cover (you might need an assistant). The bumper cover will snap into place by the headlights.
- Reinstall the passenger-side bracket for the top-mount intercooler. (1x 12mm bolt)
- Reinstall the top-mount intercooler.
- Reconnect the intake pipe to the intercooler.
- Secure the intercooler to the mounting brackets. (2x 12mm bolts)
- Reinstall the engine cover. (2x pop clips)
- Reinstall the air intake duct. (2x pop clips)
- Start and run the engine for a few minutes to circulate the transmission fluid. Checking the fluid level is recommended. To do this, raise the vehicle on a level surface and remove the transmission fill plug on the back of the transmission. Be sure to reinstall the fill plug once the fluid level has been checked.
- You have now successfully installed the Mishimoto 2015+ Subaru WRX CVT Transmission Cooler Kit! Enjoy!