

SUBARU WRX/STI 2001-2007 SILICONE INDUCTION HOSE

PARTS LIST AND INSTALLATION GUIDE

PARTS LIST

1PC | MISHIMOTO SILICONE INDUCTION HOSE

TOOLS NEEDED

JACK + JACK STANDS	PICK TOOL
FUNNEL	FLATHEAD SCREWDRIVER
NEEDLENOSE PLIERS	PHILLIPS SCREWDRIVER
LINEMAN'S PLIERS	8MM, 10MM, 12MM SOCKETS
PANEL TOOL	RATCHET + EXTENSION
COOLANT	12MM WRENCH

DISCLAIMER

- Please dispose of any liquids properly.
- Allow vehicle to cool completely prior to attempting installation.
- Mishimoto Performance (MP) is not responsible for any vehicle damage or personal injury due to installation errors, misuse, or removal of MP products.
- MP always suggests that a trained professional install all MP products.
- Do not run the engine or drive the vehicle while overheating. Serious damage may occur.
- Raise vehicle only on jack stands or on a vehicle lift.

INSTALLATION INSTRUCTIONS

01 | PREPARE VEHICLE FOR INSTALLATION

1. Begin by disconnecting the negative terminal on the battery.
2. Jack up the vehicle and place it securely on jack stands.
3. Remove the bolts and pop clips holding the lower splash shield in place.



4. Locate the drain plug on the bottom of the radiator and drain the coolant.

02 | REMOVING THE INDUCTION HOSE

1. First use a Phillips screwdriver to remove the fuel lines from the manifold and release the fuel pressure. Have a shop rag handy to soak up any fuel expelled. A pair of pliers may be necessary to free the lines from the manifold.



2. Remove the fuel evaporative hose and fuel return hose at this time.
3. Loosen both clamps on the intercooler turbo hoses. One connects the intercooler to the throttle body and the other connects to the turbo y-pipe under the intercooler.
4. Remove the two 12mm bolts holding the intercooler to its brackets, and remove the intercooler from the engine bay.
5. Disconnect the mass airflow sensor and remove the intake piping from the vehicle.



6. Remove the coolant reservoir located on the intake manifold. This is held by three 10mm bolts and four small hoses.
7. Remove the four vacuum hoses connected to the stock induction hose. Also remove the bypass valve recirculation hose.
8. Remove the two 10mm bolts holding the throttle cable bracket in place and remove the throttle cables.
9. Remove the serpentine belt cover. This is held in place with one 10mm bolt and one 10mm nut.

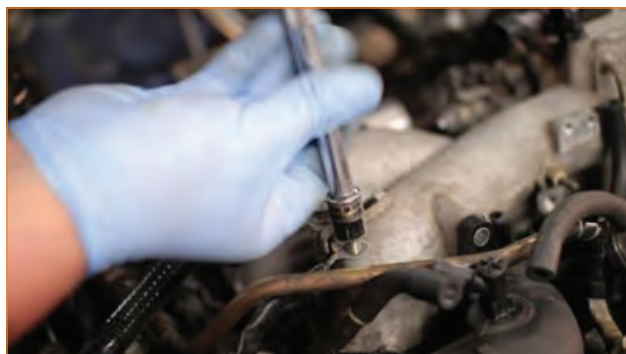
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02 | REMOVING THE INDUCTION HOSE CONT.

10. Remove the 12mm bolt holding the induction hose to the manifold.
11. Remove the three electrical plugs located on the throttle body.
12. Use pliers to loosen the clamps and remove the three coolant hoses connected to the throttle body.
13. Remove the two small vacuum lines on the front of the intake manifold. Also remove the 12mm manifold bolt that is located underneath these hoses.



14. Remove the bolts securing the intake manifold to the cylinder head. There will be five 10mm bolts and one 10mm nut on the passenger side as well as four 10mm bolts and two 10mm nuts on the driver's side of the manifold.
15. Remove the two 12mm bolts holding the ground strap to the intake manifold. These bolts are located on both the driver's and passenger sides.



16. Remove the three 12mm bolts holding the steel bracket to the intake manifold.
17. Remove the brake booster vacuum hose from the manifold.
18. Remove the windshield washer reservoir, which is secured in place by two 10mm bolts at the top of the tank. Next, lift the tank and remove the two electrical connectors and two washer fluid hoses. The tank can now be removed from the vehicle.

19. Next, remove the two 10mm bolts that hold the fuel feed line to the manifold. You should now be able to lift the manifold and remove it from the engine bay.

20. Using a 10mm socket, remove the clamp securing the induction hose to the turbocharger. Remove the induction hose from the vehicle.



03 | INSTALLING THE MISHIMOTO SILICONE INDUCTION HOSE

1. First insert the Mishimoto silicone hose and secure the clamp to the turbocharger.
2. Now it is time to reinstall the intake manifold, first by fitting it around the fuel lines and into the proper location. Secure the manifold with the nine 10mm bolts and three 10mm nuts.



3. Reconnect the steel bracket to the driver's side of the intake manifold with the three 12mm bolts.
4. Reinstall the brake booster vacuum line and secure the clamp holding it in place.
5. Reconnect the fuel delivery line to the manifold.
6. Next, reinstall the windshield washer reservoir. This includes the two hoses, two electrical connections, and two 10mm bolts.
7. Reconnect the three electrical connections and the three coolant lines to the throttle body.

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03 | INSTALLING THE MISHIMOTO SILICONE INDUCTION HOSE CONT.

8. Using two 12mm bolts, reinstall the steel bracket on the passenger side of the manifold.

9. Reinstall the 12mm bolt that holds the electrical connector to the front of the intake manifold.

10. Reconnect both ground wires to the manifold.

11. Reconnect the four vacuum hoses and the bypass valve recirculation hose to the Mishimoto induction hose.

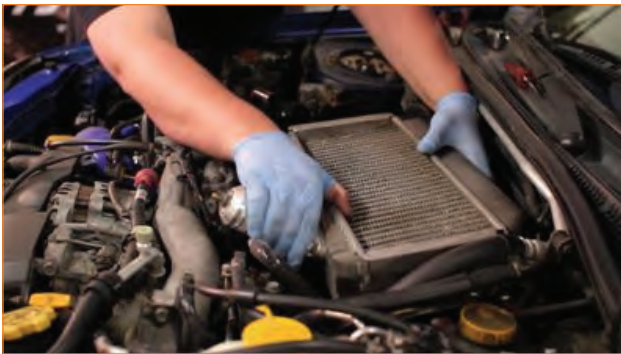


12. Reinstall the serpentine belt cover, which is secured in place by a 10mm bolt and a 10mm nut.

13. Reinstall the throttle cable bracket using the two 10mm bolts.

14. Reinstall the throttle cables.

15. Next, reconnect the intercooler to both the throttle body hose and the turbocharger hose. Once the intercooler is in place, tighten both clamps on the couplers.



16. Reinstall the two 12mm bolts holding the intercooler in place.

17. Reconnect the ancillary hoses to the throttle body.

18. Reconnect the air intake assembly to the induction hose, and reconnect the mass airflow sensor as well.

19. Next, reinstall the fuel lines.

20. Reinstall and tighten the radiator drain plug. Reinstall the lower splash shields.



21. Reconnect the negative battery terminal.



22. Refill the cooling system with fluid. Use a 50/50 mix of antifreeze and distilled water.

23. Start the car. It may take longer than usual for the vehicle to start because the fuel system was depressurized during the installation. Once the vehicle starts, turn the heat on high to help bleed the coolant system.

24. While the vehicle is running check for any leaks. You have now successfully installed the Mishimoto Silicone Induction Hose.