



INSTALLATION GUIDE

Silicone Radiator Hose Kit fits Mazda Miata 1990-1993

SKU: MMHOSE-MIA-90

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RESOURCES & CONTACT

 **CALL 1.877.466.4744**
CUSTOMER SERVICE HOURS: MON-FRI 9:00AM-7:00PM EST

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 **ENGINEERING BLOG**
WWW.MISHIMOTO.COM/ENGINEERING

IMPORTANT SAFETY INFORMATION

- › Mishimoto recommends you use safety glasses and protective gloves during the installation of our products
- › 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
- › If you need any assistance while installing our products, reach out to our Customer Service Team at 1.877.466.4744

PARTS LIST

2PC MISHIMOTO SILICONE RADIATOR HOSES

REQUIRED TOOLS

RATCHET WRENCH	LINEMAN'S PLIERS
10MM SOCKET	COOLANT
12MM SOCKET	COOLANT DRAIN PAN
RATCHET EXTENSIONS	COOLANT FUNNEL
PHILLIPS SCREWDRIVER	JACK + JACK STANDS
FLATHEAD SCREWDRIVER	

INSTALLATION INSTRUCTIONS

1. REMOVING THE OEM UPPER & 1ST LOWER RADIATOR HOSES

1. Using a jack, securely support the vehicle on jack stands or use a vehicle lift. Disconnect the negative terminal from the battery. (Located in the trunk).
2. Using your Phillips screwdriver, remove the coolant drain plug located in the center of the vehicle, below the radiator. Drain all coolant from the vehicle, using a drain pan to catch all used coolant. Removing the radiator cap will aid the draining process.
3. Disconnect and remove the upper radiator hose by unscrewing the two hose clamps securing it.

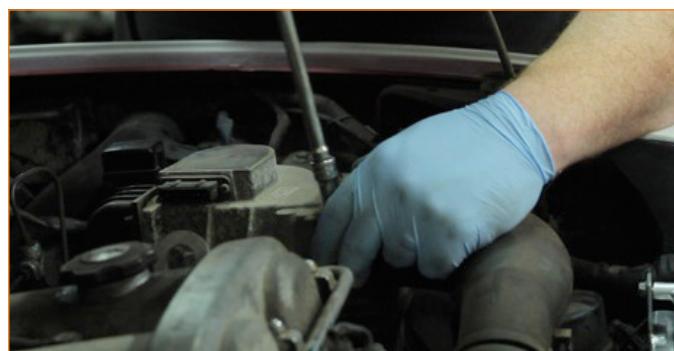
4. Unbolt and remove the splash shield under the vehicle to access the first lower radiator hose. Using your pliers, loosen the two spring clamps securing the hose and remove the hose from the vehicle.



5. Working with care, carefully remove the factory heater hose on the right from the vehicle.

2. REMOVING THE OEM AIR BOX & 2ND LOWER RADIATOR HOSE

1. To access the second lower radiator hose, the air cleaner must first be removed. Begin by disconnecting the mass airflow sensor connection. Using your flathead screwdriver, remove the two wire clips securing the sensor connection.
2. You will then need to remove the intake tubes from the air cleaner. Using your 10mm socket, loosen the hose clamps on each tube, and loosen the 10mm bolt on the rear tube near the fender. Disconnect the tube from the fender area, and unhook the inner intake tube.



3. Loosen the three 12mm bolts securing the air box, and remove the entire air box from the vehicle. This will expose the lower radiator hose that needs to be removed.

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4. Loosen the two spring clamps securing the second radiator hose, and remove it from the vehicle.

3. RE-INSTALLATION OF THE OEM AIR BOX & MISHIMOTO 2ND LOWER RADIATOR HOSE

1. Attach the Mishimoto second, silicone lower radiator hose, re-using the stock clamps.. Secure the hose by tightening the 10mm bolts on the clamps.



2. Reinstall the air box and OEM intake tubes by doing steps 2.1-2.3 in reverse. Make sure to securely tighten the 10mm bolts on the intake tubes, as well as the 12mm nuts on the air box.



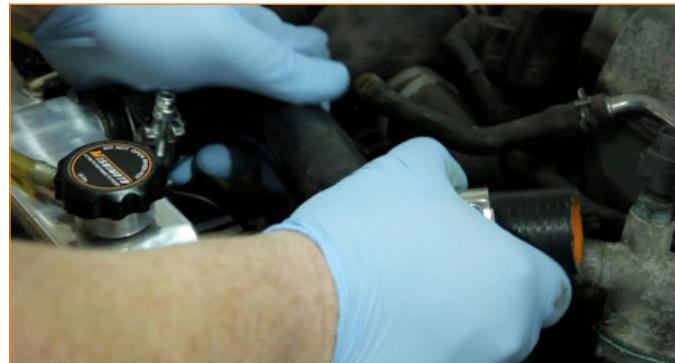
3. Reconnect the mass airflow sensor connection.



4. INSTALLATION OF THE MISHIMOTO UPPER & 1ST LOWER RADIATOR HOSES

1. Attach the Mishimoto silicone lower radiator hose, re-using the stock clamps. Securely tighten the 10mm bolts on the hose. Reinstall the splash shield under the vehicle.

2. Attach the Mishimoto silicone upper radiator hose, re-using the stock clamps.



5. COOLANT REFILLING & INSTALL COMPLETION

1. It is now time to refill the vehicle with coolant. Screw the coolant drain plug back in if you have not done so already. Insert the funnel into the filler neck of the radiator and begin to pour in a 50/50 mix of coolant and distilled water. While filling, it is a good idea to pump the upper radiator hose to remove any last bit of air in the system.

2. Reinstall the radiator cap and reconnect the negative terminal on the battery and start the vehicle, making sure the vehicle is in neutral or park.

3. With the vehicle running, turn the heat on high. Monitor the temperature gauge to make sure the vehicle does not overheat.

4. Using a jack, raise the vehicle, remove the jack stands, and lower the vehicle, or lower the vehicle on the lift you were using.

DISPOSAL INSTRUCTIONS

- › Do not dispose of any product as unsorted municipal waste.
- Use separate collection facilities. Contact your local authority for information regarding the collection systems available.
- › Never improperly dispose of any coolant, oil, or other chemicals

WARRANTY INFORMATION



- › All claims must be accompanied with a picture of the Mishimoto product showing the issue for which the claim is being submitted.
- › Mishimoto asks that the customer inspect their purchased item for any damage immediately upon arrival.
- › Any product deemed dead on arrival (DOA) must be claimed within 14 business days of delivery. Claims outside of this time frame will not be covered under the Mishimoto Lifetime Warranty.
- › This warranty does not include payment and/or reimbursement of the cost of labor in connection with the removal of any product returned pursuant to the warranty policy or in connection with the installation of any replacement items provided under the warranty policy.
- › Mishimoto has the right to refuse a claim at any time.

- › When Mishimoto accepts a claim, Mishimoto retains full discretion to choose if it will: (i) repair or replace purchaser's original Mishimoto product; (ii) replace purchaser's original Mishimoto product with the most current available model; or (iii) provide the purchaser with a gift card redeemable on Mishimoto.com in the amount of the original purchase price of the original Mishimoto product. The provision of a replacement of a Mishimoto product is subject to availability and Mishimoto retains the right to substitute any warranty claim item with a comparable item or credit at any time.
- › If Mishimoto determines that it will provide a replacement item in connection with a claim under this warranty policy, and such item is out of stock, Mishimoto will place the customer on backorder and ship the replacement product to the purchaser once it becomes available.
- › Mishimoto is not liable for incorrect shipments in connection with a claim if a claim form is completed incorrectly, or if a model number is not included in a claim.
- › If you have a vehicle equipped with an automatic transmission, please make sure to specify this within the text box on the claim form. Mishimoto is not responsible for incorrect replacement shipments if transmission type is not indicated.



WARNING
 Cancer and
 Reproductive Harm
www.P65Warnings.ca.gov

- › This product can expose you to chemicals which are known to the state of California to cause cancer. For more information visit: www.p65warnings.ca.gov