

# MISHIMOTO 1990-1997 MAZDA MIATA FAN SHROUD KIT

## PARTS LIST AND INSTALLATION GUIDE

### PARTS LIST

#### FAN SHROUD KIT

- 01PC | ALUMINUM SHROUD
- 02PC | 12" SLIM ELECTRIC FANS
- 08PC | M6X20 SCREWS
- 02PC | M6X16 SCREWS
- 08PC | M6 NUTS
- 10PC | M6 PLAIN CUSHIONS
- 10PC | M6 ELASTIC CUSHIONS

#### TOOLS NEEDED

- |                   |                      |
|-------------------|----------------------|
| RATCHET           | PHILLIPS SCREWDRIVER |
| 12MM SOCKET       | FLATHEAD SCREWDRIVER |
| 10MM SOCKET       | BUTT CONNECTORS      |
| COOLANT           | JACK + JACK STANDS   |
| COOLANT FUNNEL    | ELECTRICAL TAPE      |
| COOLANT DRAIN PAN | PLIERS               |

#### DISCLAIMER

- Mishimoto Performance 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.
- Refill coolant system with 50/50 coolant, unless specified by the manufacturer.
- Do not run the engine or drive the vehicle while overheating. Serious damage may occur.

### INSTALLATION INSTRUCTIONS

#### 01 | REMOVING THE OEM RADIATOR & FAN SHROUD

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 lower radiator hose. Using your pliers, loosen the two spring clamps securing the hose and remove the hose from the vehicle.



5. Using your ratchet, remove the two 10mm bolts securing the air conditioning line to the vehicle.



6. Remove the coolant reservoir overflow line and set it off to the side.

7. Remove the two 12mm upper radiator head bolts located on either side of the radiator.

8. Unplug both fan shroud wiring harnesses located on either side of the radiator next to the head bolts that you just removed.

9. You will now be able to lift the OEM radiator and fan assembly out of the engine bay.

CONTINUED ON FOLLOWING PAGE →

# 01

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### 02 | INSTALLATION OF OEM RADIATOR & MISHIMOTO FAN SHROUD KIT

1. Place and secure the Mishimoto fan shroud to the OEM radiator reusing OEM hardware. (For this specific installation, the Mishimoto radiator was used. The installation process for the OEM radiator is the same.)



2. Place radiator into the vehicle, making sure to secure it on the radiator mounting peg holsters.



3. Reinstall upper radiator head bolts to secure Mishimoto radiator and fan shroud into the vehicle and reattach the coolant reservoir line.

4. Reattach the lower radiator hose and air conditioning lines, and replace the splash shield under the vehicle.

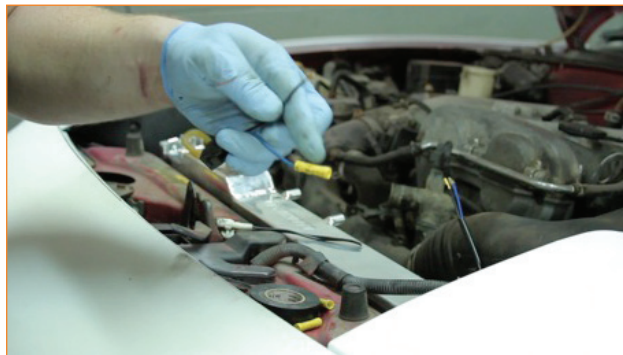


5. Replace the upper radiator hose and securely tighten the hose clamps.

### 03 | WIRING THE MISHIMOTO FAN SHROUD

1. Remove the fan harness connectors from the OEM fan shroud to reuse on the Mishimoto unit.

2. Apply butt connectors to the Mishimoto fan wiring harness connectors.



3. Connect and crimp together the color-coded driver's side wires. Make sure to tug on the wires to ensure a snug and safe connection. Cover the wires in electrical tape when completed.

4. Connect and crimp together color-coded passenger side wires. Once again, cover the wires in electrical tape. Plug in the fan connections and tuck the wires away from any moving parts in the engine bay.

### 04 | 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. 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.

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