

# NISSAN 370Z 2009+ ALUMINUM RADIATOR

## PARTS LIST AND INSTALLATION GUIDE

### PARTS LIST

1PC | MISHIMOTO RADIATOR

### TOOLS NEEDED

COOLANT	PHILLIPS SCREWDRIVER
FUNNEL	PANEL TOOL
LINEMAN'S PLIERS	DRILL
NEEDLENOSE PLIERS	¼ INCH DRILL BIT
RATCHET	FLUID DRAIN PAN
RATCHET EXTENSION	REFRIGERANT RECOVERY SYSTEM
10MM SOCKET	
12MM SOCKET	

### 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 | PREPARING THE VEHICLE

1. First place the vehicle in park and/or engage the parking brake. Jack the vehicle up and support it safely on jack stands.
2. Disconnect the negative terminal on the battery.
3. Next remove the lower splash shield under the engine. This is secured by numerous plastic clips and 10mm screws.



4. Use a Phillips screwdriver to remove the radiator drain plug and drain the coolant into your drain pan.

5. Now it is time to remove the front bumper. Using a panel tool, remove the pop clips across the top of the bumper. The clips secure the bumper to the radiator support.



6. Remove the 10mm bolt located in each front fender well. These bolts secure the front bumper to the splash guard.

7. Pop the front bumper away from the chassis by pulling from the corner as seen above. Remove the bumper from the vehicle and place in a safe location.

8. Remove the radiator support bracket, which is secured by several 10mm bolts. Be sure to remove the hidden bolts near the headlamps.



9. Remove the front bumper metal support. This is secured by eight 10mm bolts.

10. Remove the tube for the windshield washer fluid. This is secured by a plastic clip and is removed by rotating the tube counterclockwise.

11. Disconnect the hood latch and its mounting bracket. This is secured with 10mm bolts.

12. Unplug the AC receiver drier on the passenger side of the condenser.

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## 01 | PREPARING THE VEHICLE CONTINUED

13. Now you need to drill out the rivets holding the radiator support in place. Use your drill and ¼ inch bit to drill through the rivet on each side.

14. You should now be able to remove the upper radiator support off to the side.

## 02 | REMOVING THE OEM RADIATOR

1. The Mishimoto radiator includes a brand new AC condenser, so the old one must be removed along with the old radiator. This means that the AC system will need to be evacuated; do so at this time. Please seek the help of an automotive professional if you do not have the proper tools/skills to perform this task.



2. Now that the AC system has been evacuated, remove the AC lines that are connected to the condenser with a 10mm bolt. These lines are located on the driver's side of the condenser.

3. Disconnect the upper radiator hose. This hose is secured with a clip-in connector, so you will need needlenose pliers to lift the metal clip and pull the hose from the radiator.

4. The lower radiator hose is secured with a simple clamp. Remove the lower radiator hose at this time.



5. Remove the upper radiator stays.

6. You should now be able to completely remove the OEM radiator from the vehicle.

## 03 | INSTALLING THE MISHIMOTO RADIATOR

1. Transfer the rubber grommets from the OEM radiator posts to the Mishimoto radiator.



2. Remove the AC receiver drier from the OEM condenser, and install the drier on the Mishimoto condenser.



3. Place the assembled Mishimoto radiator into the vehicle. Be sure that the lower mounts fit into the proper position.

4. Install the AC lines into the condenser by securing the lines with 10mm bolts. Plugs are installed in these holes to prevent any debris from entering. Be sure to remove these before installing the lines.

5. Install the upper radiator stays.



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## 03 | INSTALLING THE MISHIMOTO RADIATOR CONT.

6. Reinstall the front brackets and upper radiator support. Installation will be the reverse of removal. Do not forget the four 10mm bolts (two on each side) near the base of the headlamps.



7. Reattach the hood latch and its bracket.



8. Now the upper radiator hose will need to be reinstalled. The original radiator used a plastic clip-in connector. The Mishimoto radiator eliminates this plastic connector with the use of a different hose outlet. To install the hose, separate the plastic connector from the rubber hose and place this directly on the Mishimoto hose outlet. Secure this hose with a clamp.

9. Reinstall the wiper fluid tube; installation will be the reverse of removal. Do not forget the plastic clip that holds the tube to the radiator support.



10. Plug in the AC receiver drier at this time.

11. Reattach the front bumper metal support by securing with eight 10mm nuts and bolts.

12. Reattach the lower radiator hose.

13. Reinstall the front bumper. This is secured with several plastic clips along the top and a 10mm bolt in each fender well.

14. Replace the lower splash shield that is secured by several pop clips and 10mm bolts.



15. Reconnect the negative terminal on the battery.

16. Refill the cooling system at this time. Use a 50/50 mix of antifreeze and distilled water.

17. Start the vehicle and place the heat on high. This will help remove any air from the cooling system. Let the car warm up to operating temperature and inspect for any leaks. After doing so inspect the coolant level and add coolant if necessary.

18. The final step is to recharge the AC system. If you are not confident performing this step or you do not have the proper tools, please consult a professional.

You have now successfully installed your Mishimoto 370Z aluminum radiator. Enjoy!