

# 2017–2021 HONDA CIVIC TYPE R

## SECONDARY RACE RADIATOR

### PARTS LIST & INSTALLATION GUIDE



## PARTS INCLUDED

- 1PC** Secondary Race Radiator
- 1PC** Mounting Bracket Set
- 1PC** Heater Hose
- 1PC** 90° Barbed Hose Adapter
- 6PC** Worm Gear Clamps
- Mounting Hardware

## TOOLS NEEDED

- 7mm Socket
- 10mm Socket
- 14mm Wrench
- 5mm Allen Key
- 1/4" Drive Ratchet & Extension
- Flathead Screwdriver
- Pliers
- Hose Cutter

**INSTALL TIME** 3 Hours

**INSTALL DIFFICULTY**

## 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.

## INSTALL PROCEDURE

1. Remove the cover hiding the fuel line.  
(2x 10mm bolts)

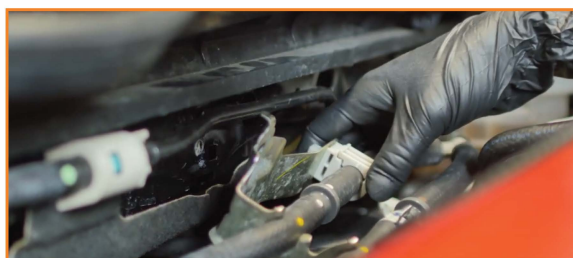
2. Release tabs to carefully reposition the fuel line.



3. Remove two bolts behind the fuel line.  
(2x 10mm bolts)



4. Remove the bolt that secures the vacuum line bracket. With the bracket now free, pop the vacuum lines and plastic clip out of the bracket. Squeeze the tabs at the back of the plastic clip to push it out of the bracket. (1x 10mm bolt)



5. Remove the upper OEM coolant hose. Release the clip along the hose. (2x spring clamps)
6. Place the clip nut onto the smaller Mishimoto firewall bracket.

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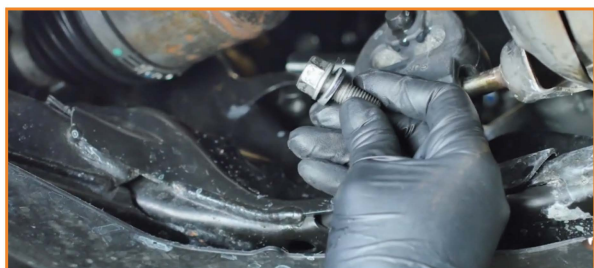
## 2017–2021 HONDA CIVIC TYPE R SECONDARY RACE RADIATOR INSTALLATION GUIDE



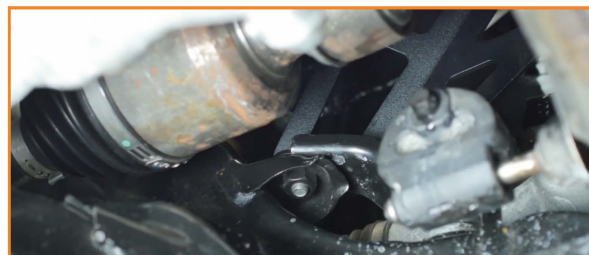
7. Install the small bracket to the studs on the firewall. (2x 10mm nuts)



8. Remove the bolts and clips securing the splash shield. Then, separate the splash shield from underneath the vehicle. (2x 5mm Allen bolts, 15x pop-clips, 5x 10mm bolts)
9. Remove the bolt from the cross-member steering rack. (1x 14mm bolt)



10. Angle the larger bracket in your kit up into the engine bay. Install the larger bracket to the steering rack using the same bolt from the previous step. Do not fully tighten the bolt yet. You will return to this later. (1x 14mm bolt)



11. Identify the top of your radiator.
12. Attach the isolator bushings to the top of the radiator. (2x 10mm nuts)



13. Cut the included hose to the recommended lengths. You need three separate hoses: 72 mm, 270 mm, and 660 mm.



14. Combine the two shorter hoses using the 90° fitting to make your outlet hose. (2x worm gear clamps)



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## 2017+ HONDA CIVIC TYPE R SECONDARY RACE RADIATOR INSTALLATION GUIDE



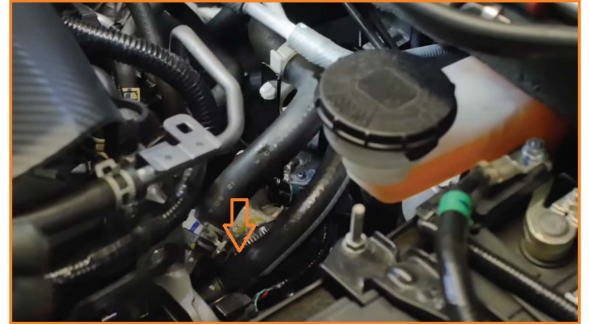
15. Install the outlet hose to the radiator port.  
(1x worm gear clamp)
16. Install the inlet hose to the radiator port.  
(1x worm gear clamp)



17. Lower the radiator and hoses down through the engine bay. Line up studs on the isolators with the holes on the bracket you installed earlier and rest the isolators on the bracket.
18. Align the top of the radiator to the smaller bracket with the clip nut.
19. Secure the radiator to both brackets. Be sure not to fully tighten the bolt on the top bracket.  
(1x 10mm bolt, 2x 10mm nuts)



20. Connect the outlet hose to the tubing on the firewall that goes to the heater core.  
(1x worm gear clamp)
21. Run the inlet hose under the vacuum lines and around the nearby bracket to reach the outlet port from the engine. (1x worm gear clamp)



22. Adjust the radiator so it's parallel with the intake manifold. Then go back and tighten all hardware.
23. Make sure the hardware on the firewall and brackets is fully tightened.
24. Reinstall the splash shield. (2x 5mm Allen bolts, 15x pop-clips, 5x 10mm bolts)
25. Clip the fuel line back in place.
26. Reinstall the cover over the fuel line.  
(2x 10mm bolts)
27. Refill coolant to proper level.

**Congratulations! You have finished installing the Mishimoto 2017–2021 Honda Civic Type R Secondary Race Radiator.**