

2015-2020 BMW F8X M3/M4 OIL COOLER PARTS & INSTALLATION GUIDE



PARTS INCLUDED

- 1PC Mishimoto Oil Cooler
- 1PC Mounting Hardware Pack

TOOLS NEEDED

- 1/4" Drive Ratchet
- 1/4" Drive Extension
- 8mm Socket
- 10mm Deep Socket
- 13mm Socket
- Torque Wrench
- Pick Tool

INSTALL TIME 1.5 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 bolts on the driver-side and passenger-side splash shields. (12x 8mm bolts)



2. Remove the bolts on the center splash shield. (7x 8mm bolts, 2x 13mm bolts)



3. Loosen the bolts that secure the oil cooler brackets. (3x 13mm bolts)



4. Remove the nuts that secure the lines to the oil cooler. (2x 10mm nuts)



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5. Prepare a bucket to catch fluid from your oil lines.
6. Separate the passenger-side line from the oil cooler. Apply pressure to unseat the O-ring.



7. Release the loose bolts on the passenger side to let the cooler drain. Lean the cooler over the bucket so the remaining oil drains out.
8. Release the last bolt on the driver side.
9. Separate the cooler line on the driver side.
10. Transfer the grommets from the stock oil cooler to the Mishimoto oil cooler.
11. Replace the stock O-rings on the cooler lines with those provided in your kit.



12. Install the Mishimoto oil cooler using the original hardware. (3x 13mm bolts)
13. Torque the bolts to 15 ft-lb.
14. Apply a little oil to the O-rings then attach the lines to the oil cooler using the provided Mishimoto bolts.
15. Torque the bolts to 70 in-lb. (2x 10mm bolts)
16. Refill your oil to the proper level.

17. Start the vehicle to check if any oil is leaking from the lines. If no oil is leaking from the lines, then turn off the vehicle and proceed with the remaining steps.
18. Reinstall the center splash shield. (7x 8mm bolts, 2x 13mm bolts)
19. Reinstall the driver-side and passenger-side splash shields. (12x 8mm bolts)

Congratulations! You have finished installing the Mishimoto 2015–2020 BMW F8X M3/M4 Oil Cooler.