

2001-2006 BMW E46 M3 PERFORMANCE ALUMINUM RADIATOR

PARTS LIST AND INSTALLATION GUIDE

PARTS LIST

1PC | MISHIMOTO PERFORMANCE RADIATOR

1PC | FAN TOOL

1PC | BLACK 1/8" NPT PLUG

5PC | M6 X 1.0 X 16MM FLANGE HEX BOLTS

TOOLS NEEDED

FLATHEAD SCREWDRIVER	19MM SOCKET
NEEDLENOSE PLIERS	3/8 DRIVE RATCHET
T25 TORX SOCKET	FAN REMOVAL TOOL (SUPPLIED)
4MM HEX BIT SOCKET	FUNNEL
10MM SOCKET	BMW APPROVED COOLANT
1/4" DRIVE RATCHET	DIFFICULTY LEVEL 3/5
1/4" DRIVE 6 INCH EXTENSION	INSTALL TIME 2 HOURS

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 | REMOVING THE AIR INTAKE DUCT

1. Raise the vehicle on a lift, or support it on jack stands.
2. Remove the air intake duct (3x pop clips, pliers).
3. Remove the air filter (1x clamp, flathead screwdriver).
4. Unbolt the airbox (2x 10mm bolts).

5. Remove the housing for the mass airflow sensor (1x clamp, flathead screwdriver).



02 | REMOVING THE STOCK RADIATOR

1. Once the vehicle is cooled down, remove the cap from the radiator reservoir.
2. Remove the quick-disconnect clip from the upper hose (flathead screwdriver).
3. Disconnect the coupler for the upper hose.
4. Remove the side plastic trim on the fan shroud (1x pop clip).
5. Remove the small overflow port from the quick-disconnect coupler, and then remove the plastic trim (flathead screwdriver).
6. Remove the plastic trim on the other side of the radiator (1x pop clip).



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7. Remove the electrical relay.



8. Disconnect the plug on the stock fan shroud.

9. Remove the retaining screws from the oil cooler (2x t25 torx).

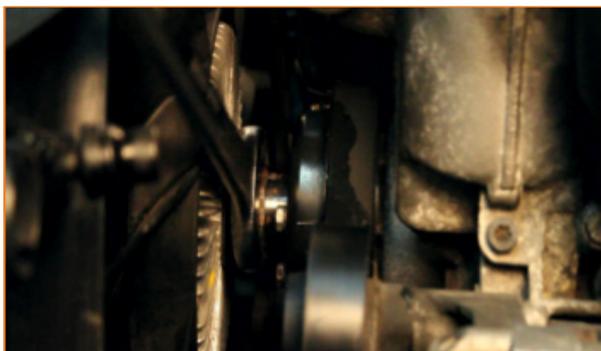
10. Remove the oil cooler and secure it out of the way.

11. Remove the screws from the bottom of the fan shroud (2x t25 torx).

12. Remove the screws from the top of the fan shroud (2x t25 torx).

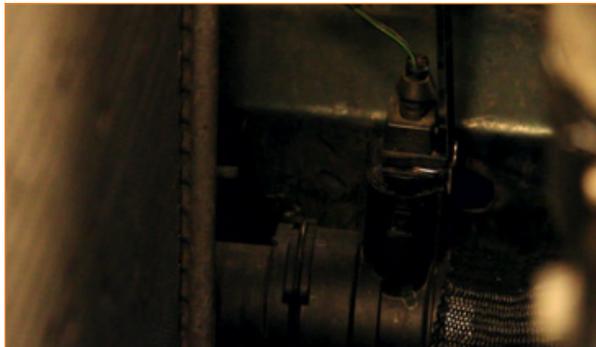
13. Remove the upper hose completely (1x clamp, flathead screwdriver).

14. Remove the stock mechanical fan. Turn clockwise (32mm wrench, supplied Mishimoto fan-removal tool).



15. Remove the fan and fan shroud assembly.

16. Remove the sensor from the lower radiator hose.



17. Remove the lower radiator hose at the quick-disconnect coupler.

18. Remove the support screw for the upper radiator (1x t25 Torx).

19. Remove the radiator from the car.

03 | INSTALLING THE MISHIMOTO RADIATOR

1. Reinstall the mounting screw at the top of the radiator (1x t25 Torx).

2. Reconnect the quick-disconnect coupler to the lower radiator.

3. Reconnect the coolant temperature sensor to the lower hose.

4. Reinstall the fan shroud.

5. Reinstall the mounting screw at the top of the fan shroud on the passenger side (1x t25 Torx).

6. Install the supplied bolts at the bottom of the fan shroud (2x 10mm).

7. Reinstall the upper radiator hose to the engine (1x clamp, flathead screwdriver).

8. Reconnect the quick-disconnect coupler on the upper hose to the radiator.

9. Reconnect the overflow port.

10. Reinstall the air intake.

11. Reconnect the mass airflow housing (1x clamp, flathead screwdriver).

12. Reinstall the bolts for the air intake box (2x 10mm).

13. Reconnect the mass airflow sensor.

14. Reinstall the air filter (1x clamp, flathead screwdriver).

15. Open the air bleeder located on the upper radiator hose.

16. Fill the system with a 50/50 mix of BMW-approved coolant and distilled water.

17. Start the car, set the heat to high, bleed the coolant system, and check for any leaks.

18. You have now successfully installed the Mishimoto BMW E46 M3 Performance Aluminum Radiator. Enjoy!

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