

# BMW E36 PERFORMANCE FAN SHROUD KIT, 1992-1999

## PARTS LIST AND INSTALLATION GUIDE

### PARTS LIST

**1PCI** STEEL FAN SHROUD W/ BLACK POWDER COAT FINISH

**1PCI** 16" MISHIMOTO SLIM ELECTRIC FAN

MOUNTING HARDWARE

*OPTIONAL: MISHIMOTO FAN CONTROLLER,  
1/8" NPT OR PROBE*

MISHIMOTO LIFETIME WARRANTY

### TOOLS NEEDED

2.5MM ALLEN KEY

DYKES

10MM SOCKET

SMALL FLATHEAD SCREW-  
DRIVER

1/4" DRIVE RATCHET

LARGE FLATHEAD SCREW-  
DRIVER

10MM WRENCH

FUNNEL

19MM WRENCH

32MM WRENCH

LIQUID CHILL™ COOLANT

CHANNELLOCK PLIERS

**INSTALLATION TIME:** 2 HOURS

**DIFFICULTY:** 4/5

### 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, a 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.

### INSTALLATION INSTRUCTIONS

1. Remove the stock air dam by removing the two Phillips head screws and pop clips holding it in place.
2. Open the cap for the overflow tank to release the pressure in the cooling system.
3. Loosen the drain plug on the stock radiator and drain the coolant. (Flathead screwdriver)



4. Remove the two pop clips on the fan shroud.



5. Separate the fan shroud from the radiator by pulling up on the shroud and then pushing back.



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# BMW E36 PERFORMANCE FAN SHROUD KIT, 1992-1999

## INSTALLATION GUIDE

6. Remove the worm-gear clamp for the overflow hose.
7. Loosen the stock mechanical clutch fan and leave it inside the shroud. (32mm wrench, flathead screwdriver)



8. Remove the bleeder screw. (Flathead screwdriver)
9. Remove the clip for the stock plastic expansion tank. (Flathead screwdriver)



10. If the Mishimoto X-line E36 Performance Radiator is already installed, run the overflow line through the shroud. (Depending on the radiator model, routing the line may be slightly different)



11. Unseat the stock expansion tank and feed the overflow hose out of the way.

12. Loosen and remove the worm-gear clamp on the return coolant hose that is attached to the bottom of the expansion tank. Be sure to have a drain bucket underneath the vehicle, as some coolant might leak out. (Flathead screwdriver)



13. Set aside the expansion tank.

14. Remove the stock mechanical fan by pulling up on the fan shroud just enough to remove the fan.

15. Remove the coolant return line that is fed through the shroud before fully removing the shroud.



16. Install the rubber bushings onto the Mishimoto fan shroud. (4x bushings and 2.5mm Allen bolts)

17. Install the expansion tank onto the fan shroud before lowering the assembly into the engine bay.

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# BMW E36 PERFORMANCE FAN SHROUD KIT, 1992-1999

## INSTALLATION GUIDE

**18.** Attach a worm-gear clamp onto the return coolant line, and reconnect the line to the bottom of the expansion tank. (Flathead screwdriver)



**19.** Install the supplied bracket for the stock expansion tank. (2x 10mm bolts)



**20.** Lower the entire assembly into place.

**21.** Fasten the fan shroud to the radiator. (2x 10mm bolts)

**22.** Reinstall the overflow coolant hose.

**23.** Using a supplied zip tie, secure the coolant overflow hose to the fan shroud.



**24.** Secure the return coolant line. (2x zip ties)



**25.** Reinstall the air dam using the Phillips head screws and pop clips removed in **step 1**.

**26.** Fill the coolant system, run the vehicle, bleed the system, and check for any leaks.

You have now successfully installed the Mishimoto 1992-1999 BMW E36 Performance Fan Shroud Kit. Enjoy!