

1999-2003 FORD 7.3L POWERSTROKE TRANSMISSION COOLER INSTALLATION GUIDE



PARTS INCLUDED

- 1PC** Mishimoto Stacked Plate Transmission Cooler
- 2PC** Silicone Hoses
- 4PC** Worm Gear Clamps

TOOLS NEEDED

- 7mm Socket
- 8mm Socket
- 10mm Socket
- 1/4" Drive Ratchet & Extensions
- Needlenose Pliers
- Pop-Clip Removal Tool
- 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. Using a long extension, reach back behind the lower portion of the grille and remove the bolts that secure the upper brackets on the transmission cooler. (2x 8mm bolts)



2. Remove the lower support beam located underneath the bumper. You will need help during this step. Either have a friend on hand to support the beam as you loosen the bolts that hold it, or use a jack stand as a prop while you work. There is a total of six bolts that secure the lower support beam. (6x 21mm bolts)



3. Separate the shrouding that was behind the support beam. (8x pop-clips)



4. Remove the bolts that secure the power steering cooler. Once free, gently lower the cooler and let it rest in place or prop it up while moving onto the next steps.

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5. Remove the bolts that secure the transmission cooler.
(2x 8mm bolts)



6. Ducting covers the passenger-side AC condenser bracket. Pull out the clips that secure the ducting and remove it.
(2x pop-clips)
7. Remove the bolts that secure the AC condenser brackets. Then, lower the condenser and let it rest in place.
(2x 8mm bolts)



8. Use a pick tool to disconnect the

transmission cooler lines from their plastic fasteners.

9. Slide the transmission hose off the cooler line as shown here.



10. Slide the second transmission hose off the line as shown here. We recommend plugging this line to limit the leakage.



11. Lower the transmission cooler and remove it from the vehicle. Guide the hose lines during this step.
12. Place the provided rubber bushings and collars on the brackets of the Mishimoto transmission cooler.



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13. Slide the metal tabs off the stock cooler brackets. Bend the tabs for them to fit properly when you reinstall them.



14. Install the tabs back to their original place in the vehicle.



15. Lift the transmission cooler up into the recess where the stock part used to be. Secure the bottom brackets on the transmission cooler using the provided Mishi bolts. (2x 10mm bolts)
16. Reinstall the AC condenser brackets. (2x 8mm bolts)



17. Secure the top brackets on the transmission cooler. You can reach underneath the grille with a long extension to get to the brackets. Make sure the metal tabs are set behind each bracket. (2x 8mm bolts)
18. Reinstall the power steering cooler. (2x 8mm bolts)
19. Transfer the plastic cover from the stock transmission hoses to the ones provided in your kit.
20. Install the first transmission hose to the passenger-side port on the cooler. Then feed the line up and over the cooler so it's positioned as shown. (1x worm gear clamp)



21. Install your second hose to the driver-side port on the transmission cooler. Then feed the hose up past the cooler and along the edge toward the transmission line. (1x worm gear clamp)



22. Install both hoses to the transmission lines. (2x worm gear clamps)

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23. Secure the transmission cooler hoses with the plastic fasteners.
24. Reinstall the lower shrouding that goes behind the support beam. (8x pop-clips)
25. Reinstall the lower support beam. (6x 21mm bolts)
26. Add transmission fluid to the system, an additional quart on top of what was lost during installation.

Congratulations! You have finished installing the Mishimoto 1999-2003 Ford 7.3L Powerstroke Transmission Cooler.