



INSTALLATION GUIDE

TRANSMISSION COOLER KIT, Fits 2017-2019 FORD 6.7L POWERSTROKE
(OEM TRANSMISSION COOLER BYPASS) | SKU: MMTC-F2D-17X

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RESOURCES & CONTACT



CALL 1.877.466.4744

CUSTOMER SERVICE HOURS: MON-FRI 9:00AM-7:00PM ET



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ENGINEERING BLOG

WWW.MISHIMOTO.COM/ENGINEERING

IMPORTANT SAFETY INFORMATION

- › Mishimoto recommends you use safety glasses and protective gloves during the installation of our products
- › 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
- › If you need any assistance while installing our products, reach out to our Customer Service Team at 1.877.466.4744

REQUIRED TOOLS

7 MM SOCKET	1-1/16 IN WRENCH
10 MM SOCKET	PANEL TOOL
13 MM SOCKET	ANGLE GRINDER
1/4 IN RATCHET & EXTENSION	ADJUSTABLE WRENCH
1 IN WRENCH	

INSTALL TIME: 4 HOURS

INSTALL DIFFICULTY:     

INSTALLATION INSTRUCTIONS

- 1.** Remove the radiator cover. (14x pop clips)



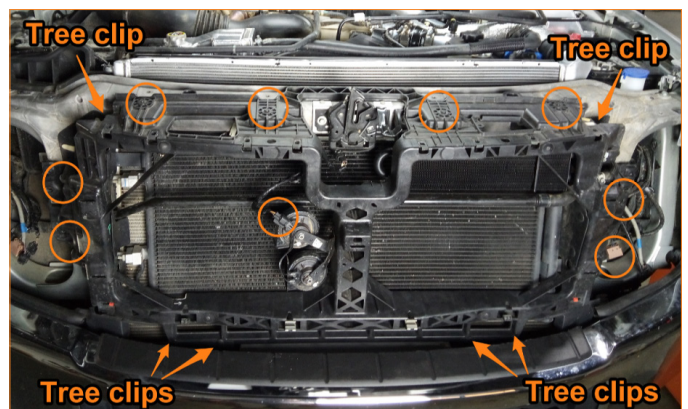
- 2.** Remove the front grille. (8x 10mm bolts) - **once bolts are removed pull outward on the grille to unseat it from the grille support.**



- 3.** Remove the headlights. (8x 10mm bolts)



- 4.** Remove the grille support. (4x 10mm bolts, 4x 13mm bolts, 6x tree clips, 1x electrical harness and electrical connector)

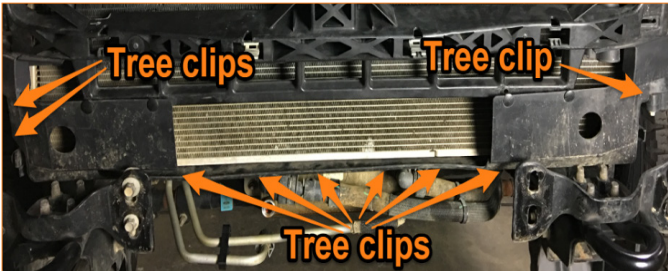


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5. Remove the lower radiator ducting panel. (9x tree clips)

Note – front bumper removed to help show where the tree clips are located. Removal of the front bumper is not necessary.



6. Install the wedge spacers between the power steering cooler and the upper support bar. (2x 10mm bolts and 4x wedge spacers)



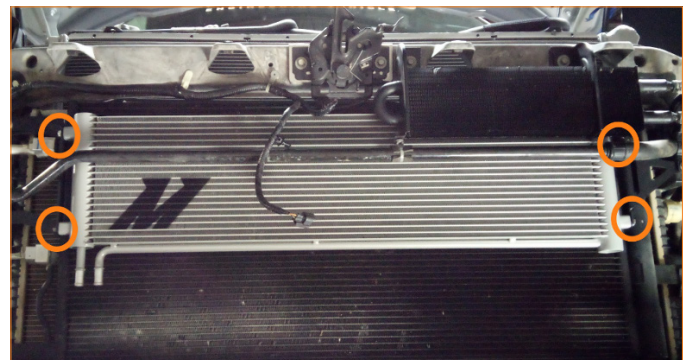
7. Install the MM1664-01 bracket between metal tube mount and the secondary radiator using the provided hardware. (1x HF6X1.0-20A)



8. Install the MM1664-02 bracket to the secondary radiator using the provided hardware. (2x HF6X1.0-20A)



9. Install the transmission cooler to brackets using the provided hardware. (4x HF6X1.0-14)



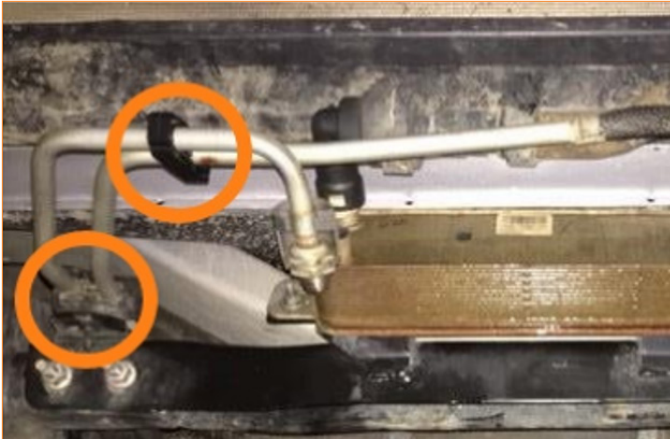
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10. Remove stock fitting from stock liquid to liquid transmission cooler.



11. Remove the metal transmission lines from the plastic line separator and plastic line fitting clip. Rearrange the lines to resemble the above image and then reconnect the metal transmission lines to the plastic line separator and plastic line fitting clip.



12. Remove the two nuts securing the stock liquid-to-liquid transmission cooler and remove the cooler.



13. Connect both coolant lines to the MM5321 cooler bypass and then install it in the stock location using the factory hardware.



14. Install MM1513-15 fitting into the MM5321 cooler bypass. Then connect the transmission line to the other side as shown.



15. Reinstall the grey plastic clip on the transmission line fitting.
(Image on following page)

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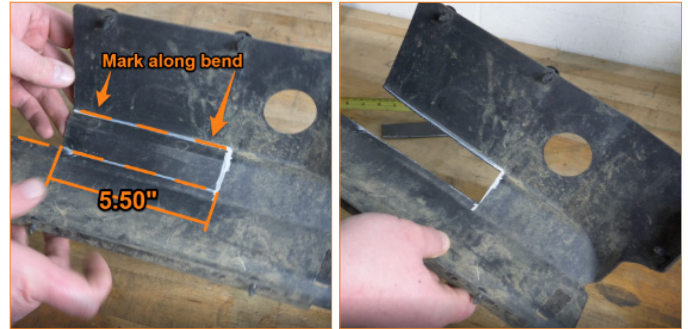
16. Connect the other transmission line to the MM1670 adapter.



17. Install the MM1662 line assembly and connect it to the MM1513-15 fitting, MM1670 adapter, and the transmission cooler using the provided worm gear clamps. (4x MM1325-2) Then reinstall the grey plastic clip onto the transmission line fitting.



18. Trim the lower radiator ducting panel as shown in the below images.



19. Trim the back of the grille support as shown in the below images.



20. Reinstall the lower radiator ducting panel.

21. Reinstall the grille support.

22. Start the vehicle and check for leaks. Adjust the fluid level as needed. If no leaks are present, move on to step 23.

23. Reinstall the headlights.

24. Reinstall the grill.

25. Reinstall the radiator cover.

DISPOSAL INSTRUCTIONS

- › Do not dispose of any product as unsorted municipal waste. Use separate collection facilities. Contact your local authority for information regarding the collection systems available.
- › Never improperly dispose of any coolant, oil, or other chemicals

WARRANTY INFORMATION



This product is backed by Mishimoto's Lifetime Limited Warranty. Please visit mishimoto.com/lifetime-warranty to see the full warranty.

ACTIVATE YOUR WARRANTY

Scan the QR code to activate your warranty. Every Mishimoto product is covered by our Mishimoto Lifetime Warranty, which also includes accident protection. Registration is easy. Visit: mishimoto.com/register and save the receipt for your records.



WARNING
Cancer and
Reproductive Harm
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- › This product can expose you to chemicals which are known to the state of California to cause cancer. For more information visit: www.p65warnings.ca.gov