



# INSTALLATION GUIDE

2017+ FORD 6.7L POWERSTROKE TRANSMISSION COOLER KIT | SKU: MMTC-F2D-17

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## RESOURCES & CONTACT



**CALL 1-877-GOMISHI**

CUSTOMER SERVICE HOURS: MON-FRI 8:30AM-5:00PM EST



**MISHIMOTO**



**GOMISHIMOTO**



**MISHIMOTO**



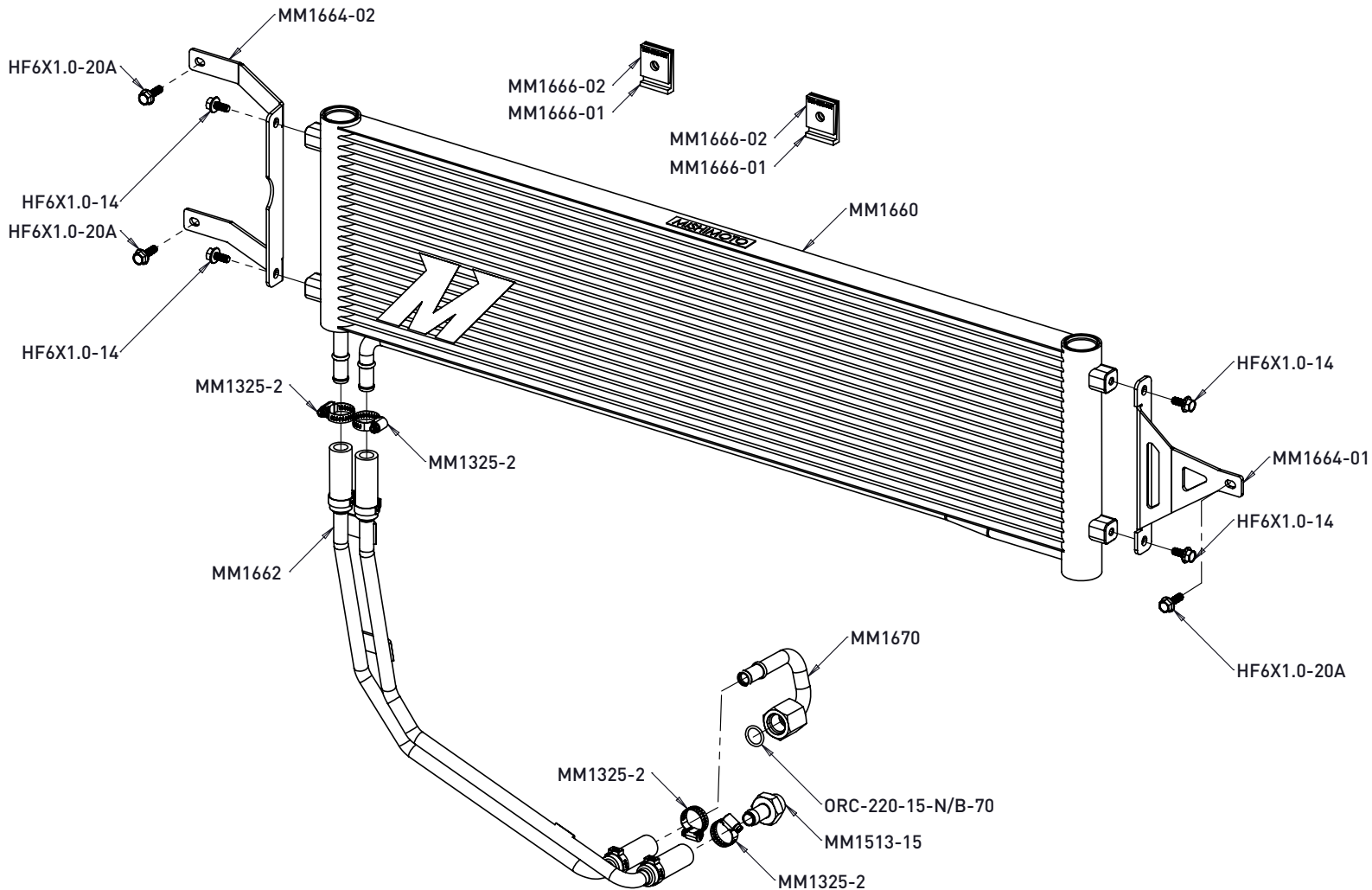
**WEBSITE**

[WWW.MISHIMOTO.COM](http://WWW.MISHIMOTO.COM)



**ENGINEERING BLOG**

[WWW.MISHIMOTO.COM/ENGINEERING](http://WWW.MISHIMOTO.COM/ENGINEERING)



PARTS BREAKDOWN		
PART NUMBER	DESCRIPTION	QUANTITY
MM1660	TRANSMISSION COOLER	1
MM1664-01	BRACKET 1	1
MM1664-02	BRACKET 2	1
MM1666-01	SPACER 1	2
MM1666-02	SPACER 2	2
MM1662	LINE ASSEMBLY	1
MM1670	ADAPTER	1
MM1513-15	FITTING	1
ORC-220-15-N/B-70	O-RING	1
MM1325-2	WORM GEAR CLAMP	4
HF6X1.0-14	BOLT 1	4
HF6X1.0-20A	BOLT 2	3



### IMPORTANT SAFETY INFORMATION

- Mishimoto recommends you use safety glasses and protective gloves during the install of their 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-GOMISHI

### TOOLS NEEDED

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

### INSTALLATION TIME **4 HOURS**

### INSTALLATION DIFFICULTY

### INSTALLATION INSTRUCTIONS

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



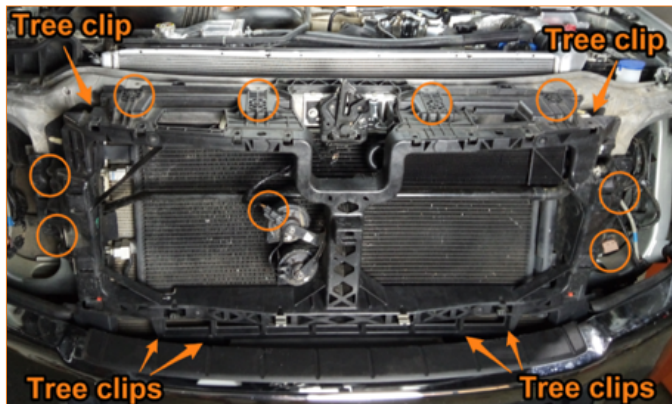
- 02.** Remove the front grille. (8x 10mm bolts) - once bolts are removed pull outward on the grille to unseat it from the grille support.



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



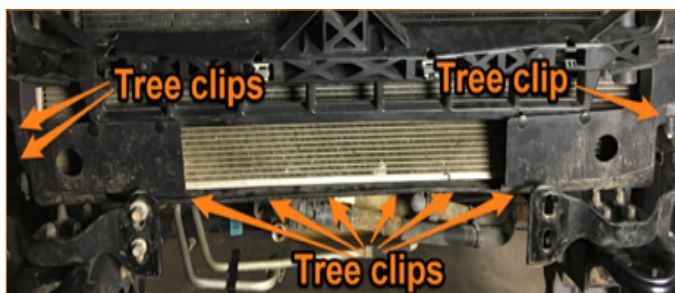
- 04.** Remove the grille support. (4x 10mm bolts, 4x 13mm bolts, 6x tree clips, 1x electrical harness and electrical connector)



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05. 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.\*\***



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



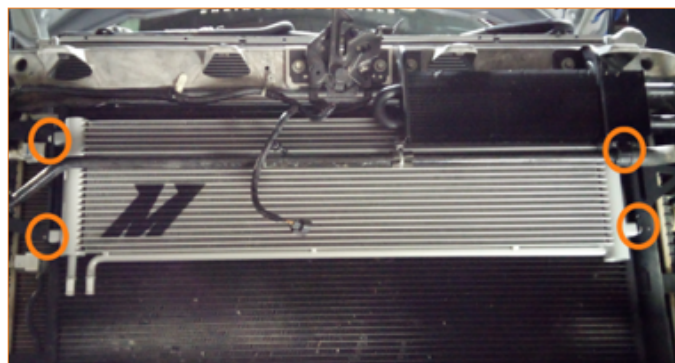
07. Install the MM1664-01 bracket between metal tube mount and the secondary radiator using the provided hardware. (1x HF6X1.0-20A)



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



09. 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.

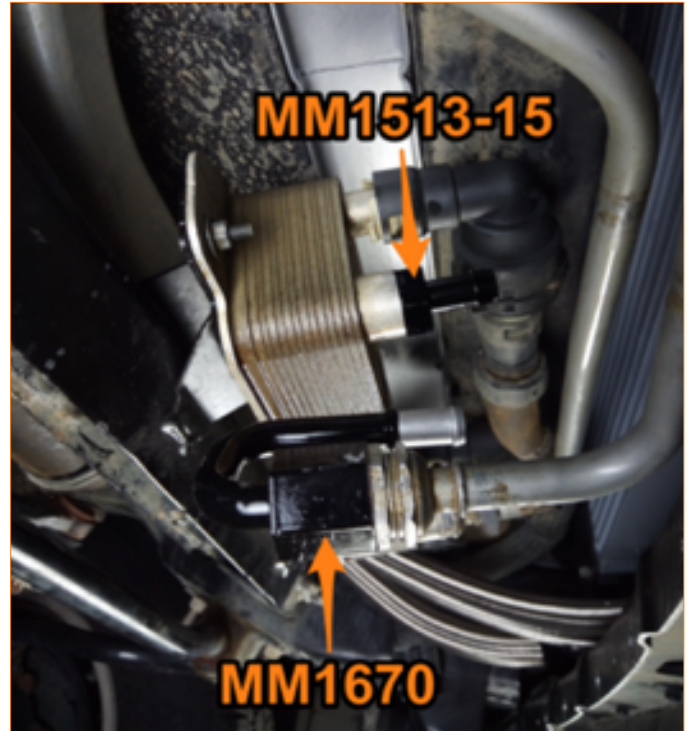


11. Remove the metal transmission lines from the plastic line separator and plastic line fitting clip. Rearrange the lines to resemble the above image and then reconnect the metal transmission lines to the plastic line separator and plastic line fitting clip.

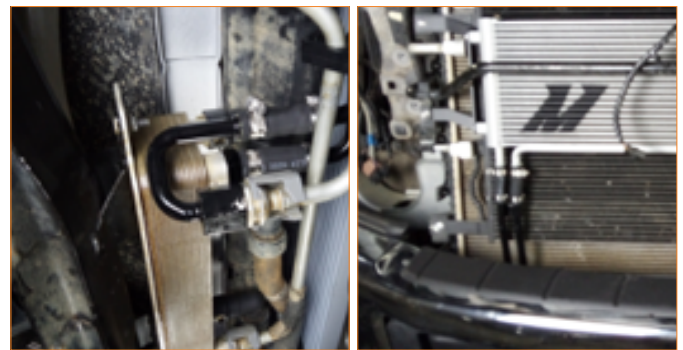


12. Install the MM1513-15 fitting into the stock liquid-to-liquid transmission. Install the stock transmission cooler fitting into the MM1670 adapter.

**\*\*Inspect the O-ring on the stock transmission cooler fitting.  
Replace it with the provided O-ring if it is damaged.\*\***

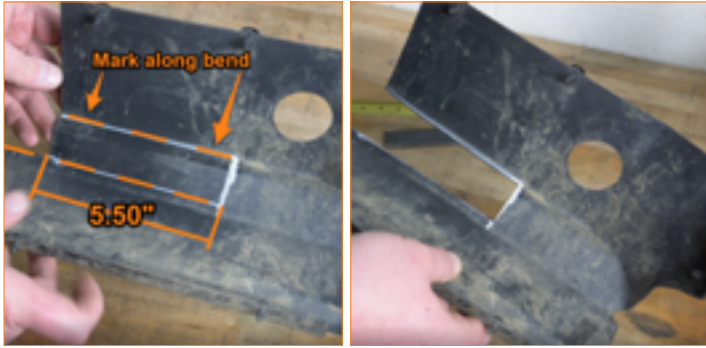


13. Install the MM1662 line assembly and connect it to the MM1513-15 fitting, MM1670 adapter, and the transmission cooler using the provided worm gear clamps. (4x MM1325-2)



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



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



16. Reinstall the lower radiator ducting panel.
17. Reinstall the grille support.
18. Start the vehicle and check for leaks. Adjust the fluid level as needed. If no leaks are present, move on to step 19.
19. Reinstall the headlights.
20. Reinstall the grill.
21. Reinstall the radiator cover.

**Congratulations! You have finished the installation.**

***\*For Care & Maintenance, Disposal Instructions, and Warranty Information continue to the following page.***

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## 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



- All claims must be accompanied with a picture of the Mishimoto product showing the issue for which the claim is being submitted.
- Mishimoto asks that the customer inspect their purchased item for any damage immediately upon arrival.
- Any product deemed dead on arrival (DOA) must be claimed within 14 business days of delivery. Claims outside of this time frame will not be covered under the Mishimoto Lifetime Warranty.
- This warranty does not include payment and/or reimbursement of the cost of labor in connection with the removal of any product returned pursuant to the warranty policy or in connection with the installation of any replacement items provided under the warranty policy.
- Mishimoto has the right to refuse a claim at any time.

- When Mishimoto accepts a claim, Mishimoto retains full discretion to choose if it will: (i) repair or replace purchaser's original Mishimoto product; (ii) replace purchaser's original Mishimoto product with the most current available model; or (iii) provide the purchaser with a gift card redeemable on [Mishimoto.com](https://www.mishimoto.com) in the amount of the original purchase price of the original Mishimoto product. The provision of a replacement of a Mishimoto product is subject to availability and Mishimoto retains the right to substitute any warranty claim item with a comparable item or credit at any time.
- If Mishimoto determines that it will provide a replacement item in connection with a claim under this warranty policy, and such item is out of stock, Mishimoto will place the customer on backorder and ship the replacement product to the purchaser once it becomes available.
- Mishimoto is not liable for incorrect shipments in connection with a claim if a claim form is completed incorrectly, or if a model number is not included in a claim.
- If you have a vehicle equipped with an automatic transmission, please make sure to specify this within the text box on the claim form. Mishimoto is not responsible for incorrect replacement shipments if transmission type is not indicated.



**WARNING**  
Cancer and  
Reproductive Harm  
[www.P65Warnings.ca.gov](https://www.P65Warnings.ca.gov)

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](https://www.p65warnings.ca.gov)