



INSTALLATION GUIDE

Transmission Cooler, Fits 2020+ Ford 6.7L Powerstroke
SKU: MMTC-F2D-20

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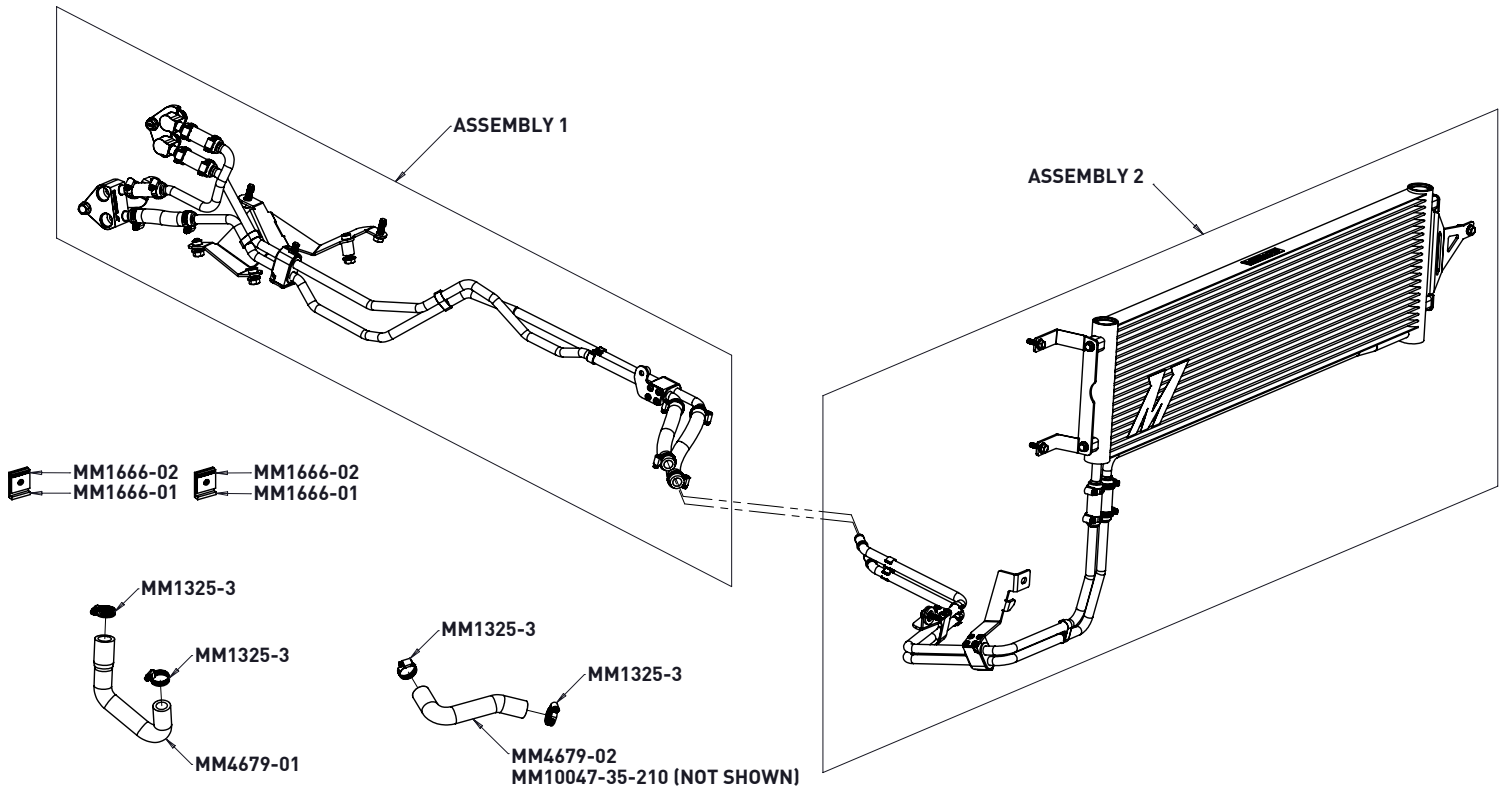
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RESOURCES & CONTACT

-  **CALL 1-877-GOMISHI**
CUSTOMER SERVICE HOURS: MON-FRI 8:30AM-5:00PM EST
-  **MISHIMOTO**
-  **GOMISHIMOTO**
-  **MISHIMOTO**
-  **WEBSITE**
WWW.MISHIMOTO.COM
-  **ENGINEERING BLOG**
WWW.MISHIMOTO.COM/ENGINEERING

PARTS BREAKDOWN

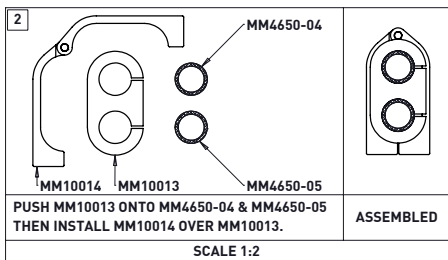
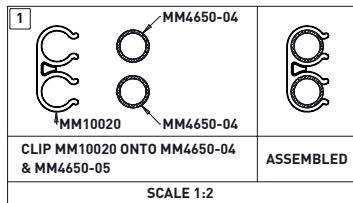
PART NUMBER	DESCRIPTION	QTY
ASSEMBLY 1	ADAPTER FITTINGS, REAR TRANSMISSION COOLER LINES, STOCK TRANSMISSION COOLER RELOCATION BRACKET	1
ASSEMBLY 2	TRANSMISSION COOLER, FRONT TRANSMISSION COOLER LINES	1
MM1666-01	SPACER 1	2
MM1666-02	SPACER 2	2
MM4679-01	HOSE 1, DRIVER-SIDE STOCK TRANSMISSION COOLER ENGINE COOLANT HOSE	1
MM4679-02	HOSE 2, PASSENGER-SIDE STOCK TRANSMISSION COOLER ENGINE COOLANT HOSE	1
MM1325-3	WORM GEAR CLAMP, 16-25MM ID	4
MM10047-35-210	HEAT SLEEVE, 35MM ID X 210MM LENGTH	1
ORC-270-14.5-N/B-70	REPLACEMENT O-RING FOR STOCK TRANSMISSION COOLER, (NOT SHOWN)	4



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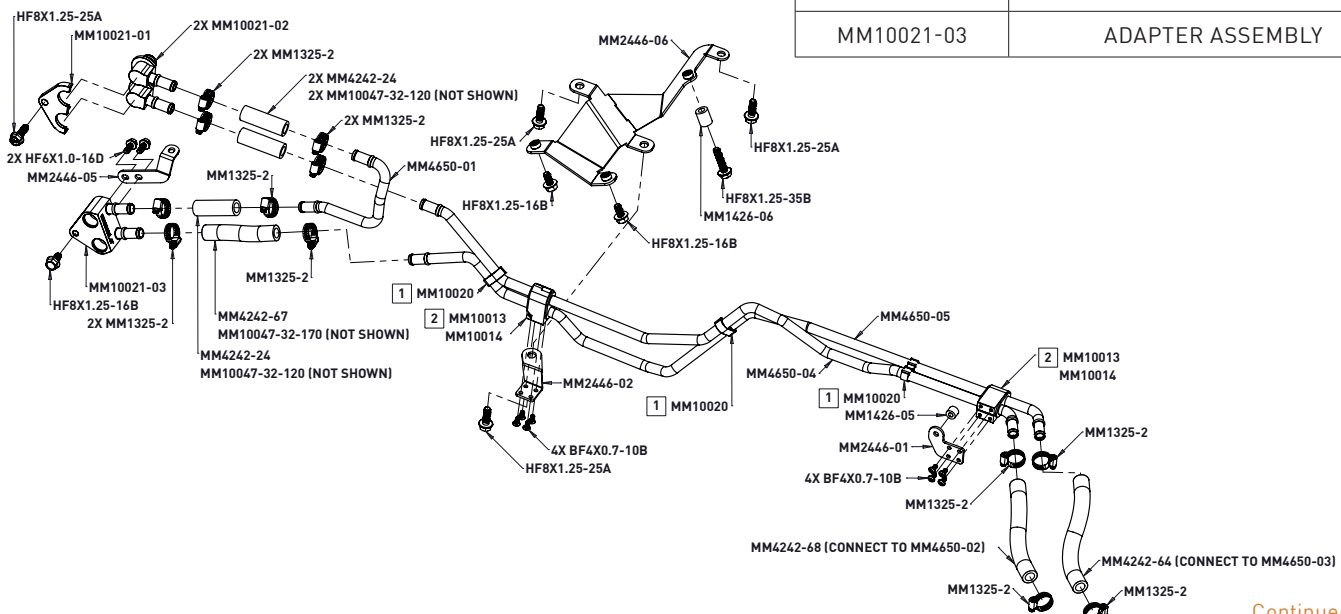
PARTS BREAKDOWN (ASSEMBLY 1)

PART NUMBER	DESCRIPTION	QTY
MM2446-01	BRACKET 1	1
MM2446-02	BRACKET 2	1
MM2446-05	BRACKET 5	1
MM2446-06	BRACKET 6	1
MM1426-05	SPACER (6.3MM ID, 10MM LENGTH)	1
MM1426-06	SPACER (8.4MM ID, 20MM LENGTH)	1



PARTS BREAKDOWN (ASSEMBLY 1)

PART NUMBER	DESCRIPTION	QTY
BF4X0.7-10B	M4 BOLT (10MM LENGTH)	8
HF6X1.0-16D	M6 BOLT (16MM LENGTH)	2
HF8X1.25-16B	M8 BOLT (16MM LENGTH)	3
HF8X1.25-25A	M8 BOLT (25MM LENGTH)	4
HF8X1.25-35B	M8 BOLT (35MM LENGTH)	1
MM4650-01	TUBE 1	1
MM4650-04	TUBE 4	1
MM4650-05	TUBE 5	1
MM4242-24	HOSE (60MM LENGTH)	3
MM4242-67	HOSE (110MM LENGTH)	1
MM4242-64	HOSE (230MM LENGTH)	1
MM4242-68	HOSE (215MM LENGTH)	1
MM1325-2	WORM GEAR CLAMP (12-20MM ID)	12
MM10013	RUBBER ISOLATOR	2
MM10014	ISOLATOR CLAMP	2
MM10020	TUBE CLIP	3
MM10047-32-120	HEAT SLEEVE (32, 120MM LENGTH)	3
MM10047-32-170	HEAT SLEEVE (32, 170MM LENGTH)	1
MM10021-01	FITTING BRACKET	1
MM10021-02	FITTING ASSEMBLY	2
MM10021-03	ADAPTER ASSEMBLY	1



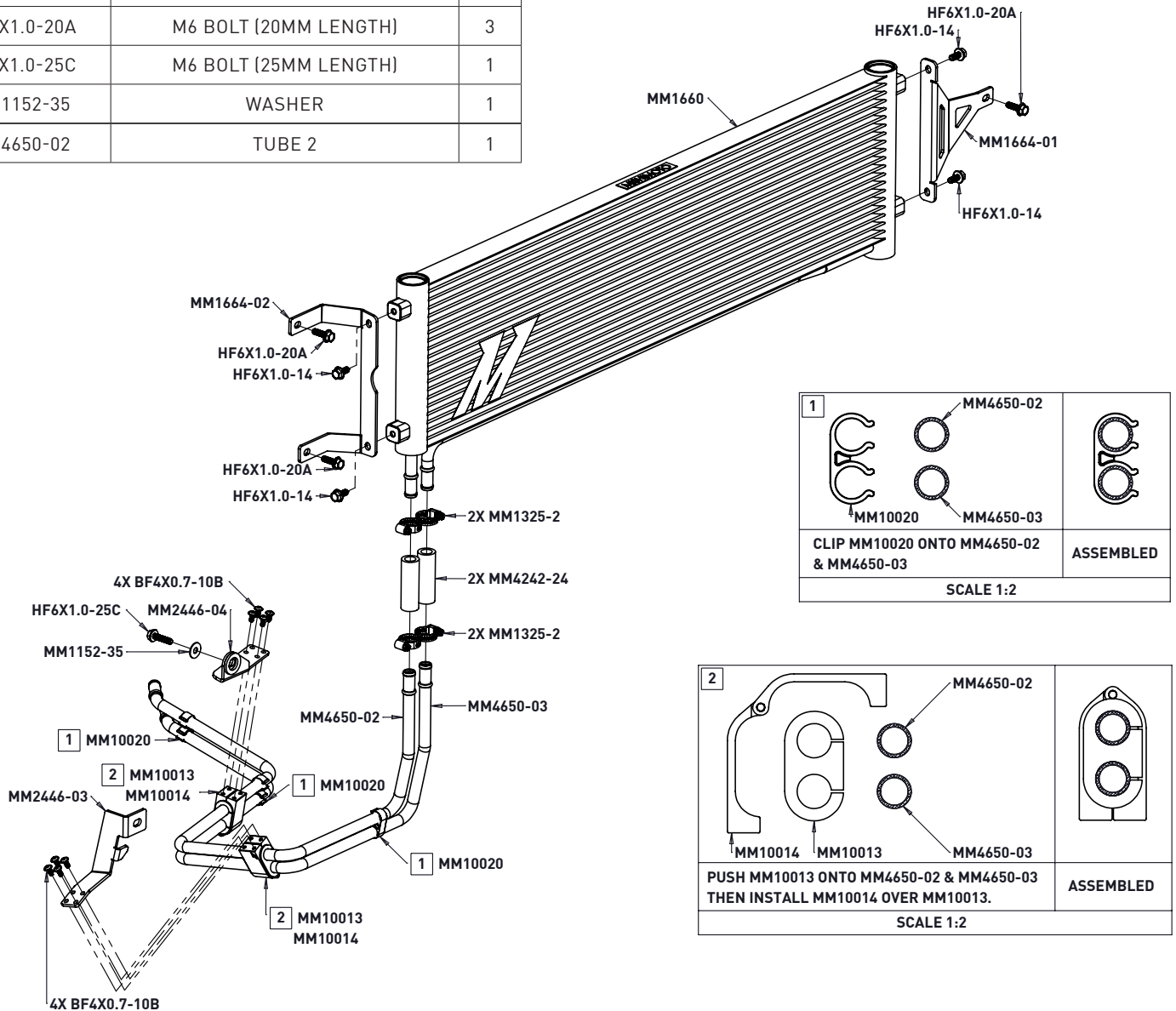
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PARTS BREAKDOWN (ASSEMBLY 2)

PART NUMBER	DESCRIPTION	QTY
MM1660	TRANSMISSION COOLER	1
MM1664-01	BRACKET 1	1
MM1664-02	BRACKET 2	1
MM2446-03	BRACKET 3	1
MM2446-04	BRACKET 4	1
BF4X0.7-10B	M4 BOLT (10MM LENGTH)	8
HF6X1.0-14	M6 BOLT (14MM LENGTH)	4
HF6X1.0-20A	M6 BOLT (20MM LENGTH)	3
HF6X1.0-25C	M6 BOLT (25MM LENGTH)	1
MM1152-35	WASHER	1
MM4650-02	TUBE 2	1

PARTS BREAKDOWN (ASSEMBLY 2)

PART NUMBER	DESCRIPTION	QTY
MM4650-03	TUBE 3	1
MM4242-24	HOSE (60MM LENGTH)	2
MM1325-2	WORM GEAR CLAMP (12-20MM ID)	4
MM10013	RUBBER ISOLATOR	2
MM10014	ISOLATOR CLAMP	2
MM10020	TUBE CLIP	3



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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-GOMISHI

REQUIRED TOOLS

7MM SOCKET	PANEL/TRIM TOOL
8MM SOCKET	PAINTERS TAPE
10MM SOCKET	TAPE MEASURE
10MM DEEP SOCKET	MARKER
12MM SOCKET	ANGLE GRINDER
13MM SOCKET	SANDPAPER
13MM DEEP SOCKET	SCISSORS
15MM SOCKET	RAZOR KNIFE
18MM SOCKET	SILICONE-BASED LUBRICANT
1/4" RATCHET AND EXTENSION	DRAIN PAN FOR ENGINE
3/8" RATCHET AND EXTENSION	COOLANT
1/2" RATCHET AND EXTENSION	DRAIN PAN FOR
10MM WRENCH	TRANSMISSION FLUID
12MM WRENCH	FUNNEL (MMTL-NSF-15)
13MM WRENCH	COOLANT VACUUM PURGE AND
2.5MM ALLEN WRENCH	REFILL TOOL (MMTL-COOL-PR)
10MM ALLEN WRENCH	COOLANT: 8 GALLONS
1/4" TORQUE WRENCH	TRANSMISSION FLUID
3/8" TORQUE WRENCH	(MERCON ULV): 4 QUARTS
PICK TOOL	ENGINE OIL: 1 QUART
PLIERS	LOCTITE BLUE 242
PRY BAR	

INSTALL TIME: 10 HOURS

INSTALL DIFFICULTY:

THINGS TO NOTE BEFORE INSTALLATION:

- › This transmission cooler kit is designed to work with Motorcraft engine oil filter FL-2124-S or a similar size.
- › The engine oil filter must be removed for installation. Be sure to have (1) quart of engine oil on hand to top off any fluid that may be lost during filter removal.
- › The engine coolant must be drained from the primary cooling system. Be sure to have (8) gallons of coolant on hand to replace what is removed from the system.
- › The stock liquid-to-liquid transmission cooler must be removed for installation of this kit, and some fluid will be lost in this process. Additionally, this transmission cooler kit increases the fluid capacity of the transmission cooling system by approximately (3) quarts. It is recommended that (4) quarts of transmission fluid be on hand to bring the fluid level up to the correct level.
- › The front of the vehicle must be lifted to allow the front suspension to hang in full extension.
- › The vehicle must be level to properly check the transmission fluid level.

INSTALLATION INSTRUCTIONS

1. Drain the primary cooling system. To reduce fluid spillage/clean up, place a 5/16" ID hose on the drain spout to direct fluid to a drain pan or bucket.



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2. Remove the engine oil filter.



3. Remove the two clamps securing the coolant hose to the passenger-side coolant line on the stock liquid-to-liquid transmission cooler. Partially remove the coolant hose from the line to allow any residual coolant left in the primary cooling system to drain in a controlled manner. Once drained, remove the hose from the stock liquid-to-liquid transmission cooler.



4. Remove the two clamps securing the coolant hose to the driver-side coolant line on the stock liquid-to-liquid cooler. Partially remove the coolant hose from the line to allow any residual coolant left in the primary cooling system to drain in a controlled manner. Once drained, remove the hose from the stock liquid-to-liquid transmission cooler.



5. Remove the transmission pan heat shield from the passenger side of the transmission by removing the three nuts that are securing it in place. (3x 10mm nuts)



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6. Remove the bolt securing the stock transmission cooler fittings to the passenger side of the transmission. (1x 10mm bolt)



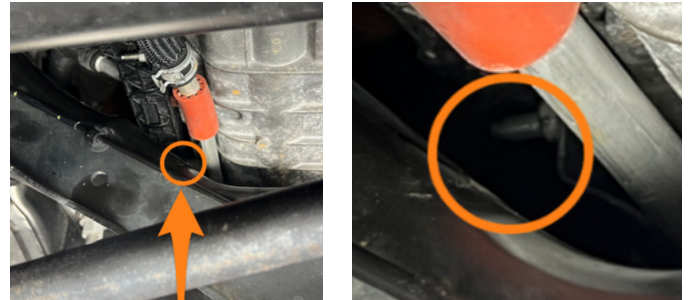
7. Remove the three bolts securing the stock transmission cooler to the bottom of the transmission. Once the bolts are removed, remove the stock transmission cooler from the transmission. Have a drain pan ready to catch any fluid spillage. (3x 13mm bolts)



8. Remove the nut securing the front section of the battery wire harness to the passenger side of the engine. (1x 10mm nut)



9. Remove the nut securing the coolant line and rear section of the battery wire harness to the passenger side of the engine. Once the nut is removed, remove the coolant line bracket from the stud. (1x 10mm nut)



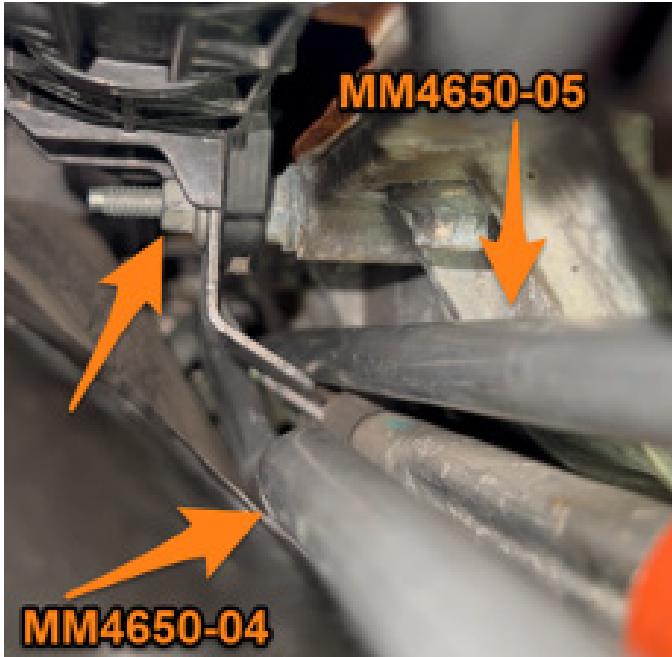
10. Feed MM4650-05 behind the coolant line and between the engine oil pan and engine cradle. It is best to feed the transmission line into this area through the gap between the passenger-side radius arm and frame. This line will route transmission fluid along the side of the engine, between the engine oil pan and the coolant line.



11. Feed MM4650-04 into the vehicle alongside MM4650-05 on the opposite side of the coolant line.

12. Reinstall the coolant line bracket to the stud on the side of the engine using the nut removed in step 9. (1x 10mm nut)
(Image on next page)

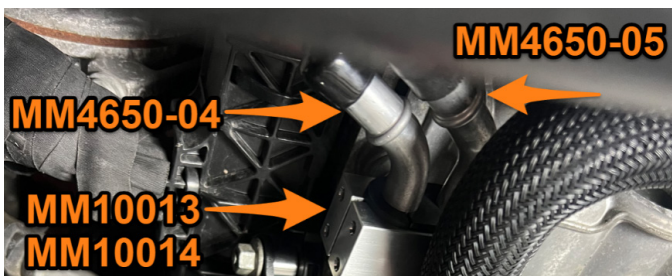
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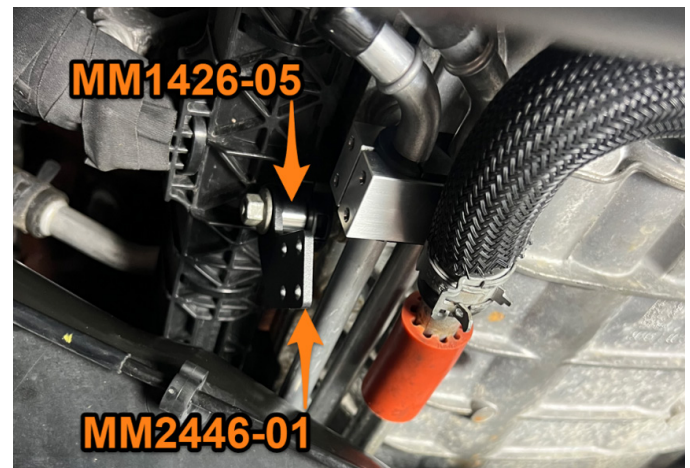
13. The image below represent how the Mishimoto transmission lines should look.



14. Place MM10013 over the two transmission lines at the front of the engine, then clamp MM10014 over the top of MM10013. (1x MM10013, 1x MM10014)



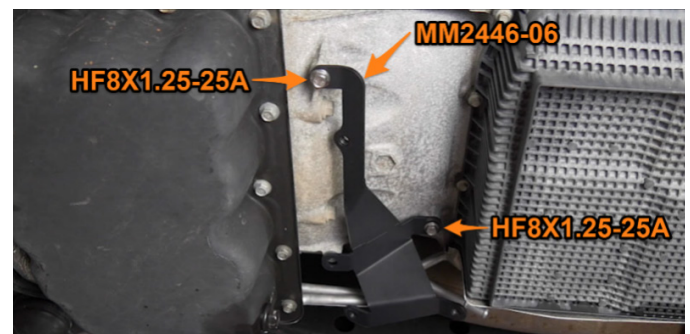
15. Place the MM1426-05 spacer onto the threaded stud at the front of the engine, then loosely install MM2446-01 using the nut removed in step 8. (MM1426-05, MM2446-01, 1x 10mm nut)



16. Fasten MM2446-01 to MM10014 using the provided M4 bolts. (4x BF4X0.7-10B)



17. Loosely install MM2446-06 to the bottom of the transmission using two of the provided M8 bolts in the locations circled in the image below. (MM2446-06, 2x HF8X1.25-25A)



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18. Loosely install MM2446-02 to MM2446-06, as shown in the image below, using one of the provided M8 bolts.
(MM2446-02, 1x HF8X1.25-25A)



19. Place MM10013 over the two transmission lines at the rear of the engine, then clamp MM10014 over the top of MM10013.
(1x MM10013, 1x MM10014)



20. Fasten MM2446-02 to MM10014 using the provided M4 bolts.
(4x BF4X0.7-10B)



21. Install three MM10020 tube clips onto the Mishimoto transmission lines in the locations shown in the images below.
(3x MM10020)

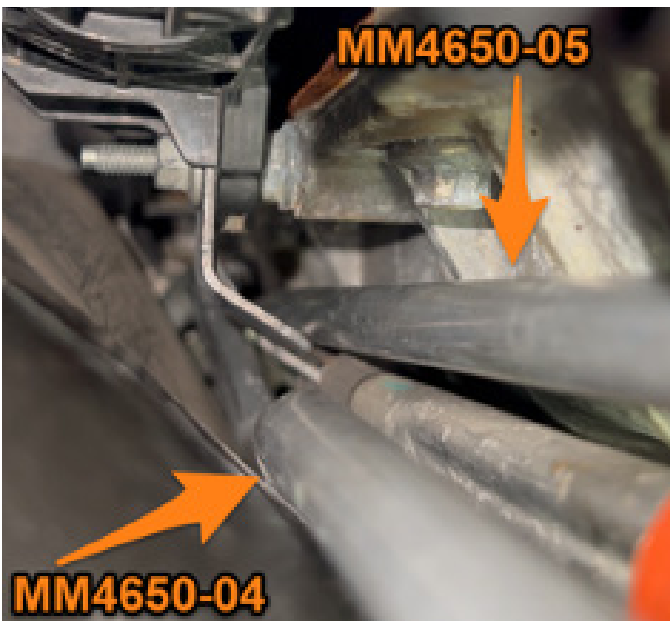


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22. Reinstall the engine oil filter. Once installed, check the clearance between the oil filter and the Mishimoto transmission lines. The clearance can be adjusted by sliding MM2446-02 towards or away from the vehicle's passenger side. Once adjusted, tighten the M8 bolts securing MM2446-02 and MM2446-06 to 177 lb.in (20Nm).



23. Confirm that the Mishimoto transmission lines are not contacting the oil pan, coolant line bracket, or other objects along their routing path.



24. Lubricate the O-rings on the MM10021-02 fittings using transmission fluid. (2x MM10021-02)



25. Install the MM10021-02 fittings into the ports on the side of the transmission. Place MM10021-01 over the fittings and secure them using one of the provided M8 bolts. Use Loctite Blue 242 on the threads of the M8 bolt and torque to 177 lb.in (20Nm). (1x MM10021-01, 2x MM10021-02, and 1x HF8X1.25-25A)



26. Remove the O-rings on the stock transmission cooler and replace them with the provided O-rings. (4x ORC-270-14.5-N/B-70)

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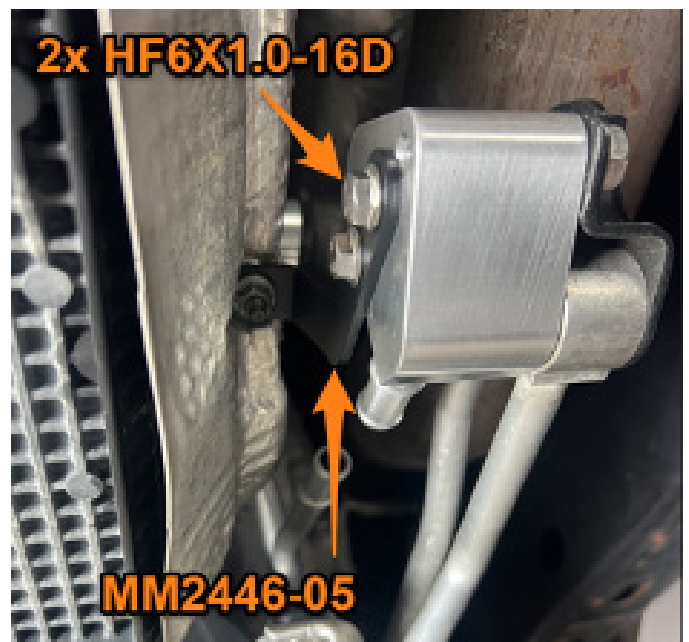
27. Install the stock transmission cooler onto MM2446-06 using the provided M8 bolts and spacer, as shown in the images below. [2x HF8X1.25-16B, 1x HF8X1.25-35B, and 1x MM1426-06].



28. Lubricate the O-rings on the stock transmission cooler. Once lubricated, install MM10021-03 onto the stock transmission cooler fittings. Secure MM10021-03 in place using one of the provided M8 bolts. Use Loctite Blue 242 on the threads of the M8 bolt and torque to 177 lb.in [20Nm]. (1x MM10021-03 and 1x HF8X1.25-16B)
(Image on top right)

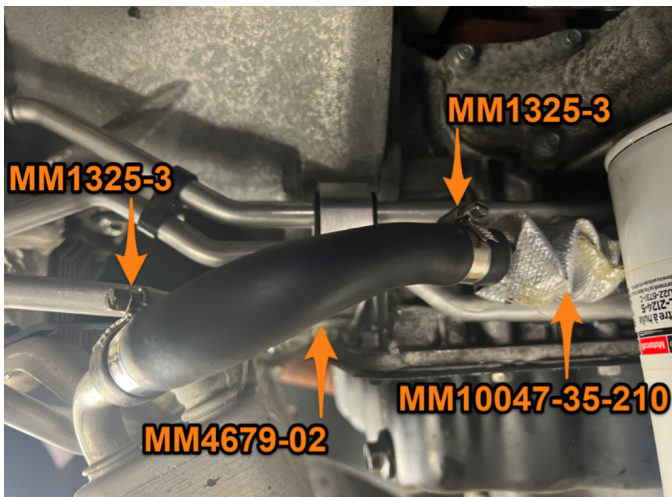


29. Reinstall the transmission pan heat shield, then install MM2446-05 to both the transmission and MM10021-03. Torque all fasteners to 80 lb.in [9Nm].
(MM2446-05, 3x 10mm nuts, and 2x HF6X1.0-16D)



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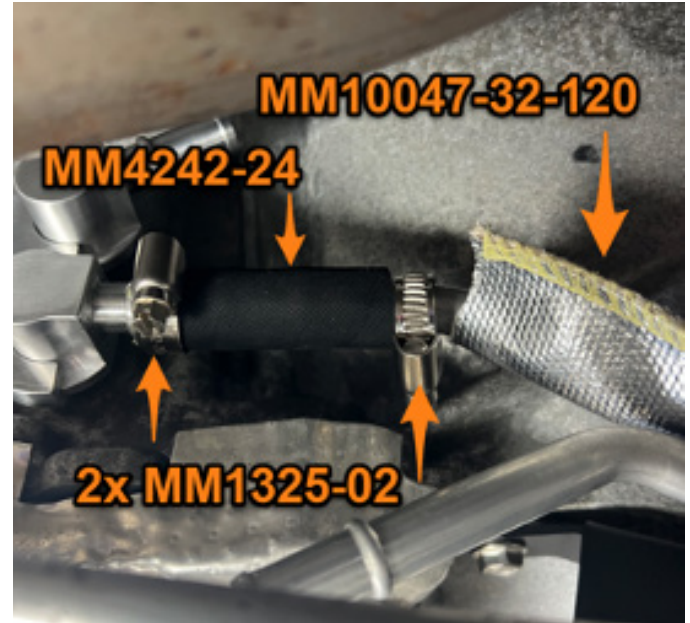
30. Slide MM10047-35-210 onto the stock coolant line on the passenger side of the engine. Install MM4679-02 onto the stock coolant line and the coolant inlet on the stock transmission cooler. Secure the hose using two of the provided worm gear clamps. (MM10047-35-210, MM4679-02, and 2x MM1325-3)



31. Carefully pull MM10047-35-210 over the hose and clamps installed in the previous step.



32. Slide MM10047-32-120 onto MM4650-04. Install MM4242-24 onto MM4650-04 and the lower MM10021-02 fitting. Secure the hose using two of the provided worm gear clamps. Once the hose is in place, carefully slide the MM10047-32-120 over top of the hose and hose clamps. (1x MM10047-32-120, 1x MM4242-24, and 2x MM1325-2) (Image on top right)



33. Attach one MM4242-24 to each end of MM4650-01 and secure it using two of the provided worm gear clamps. (1x MM4650-01, 2x MM4242-24, and 2x MM1325-2)



34. Slide one MM10047-32-120 over each end of the line assembly created in the previous step. (2x MM10047-32-120) (Image on next page)

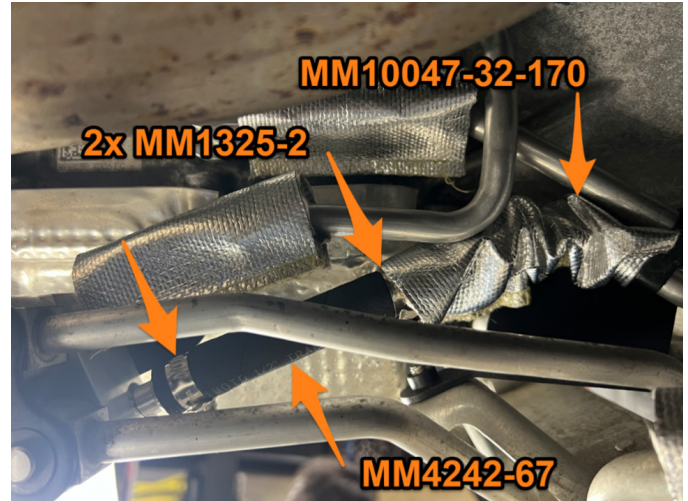
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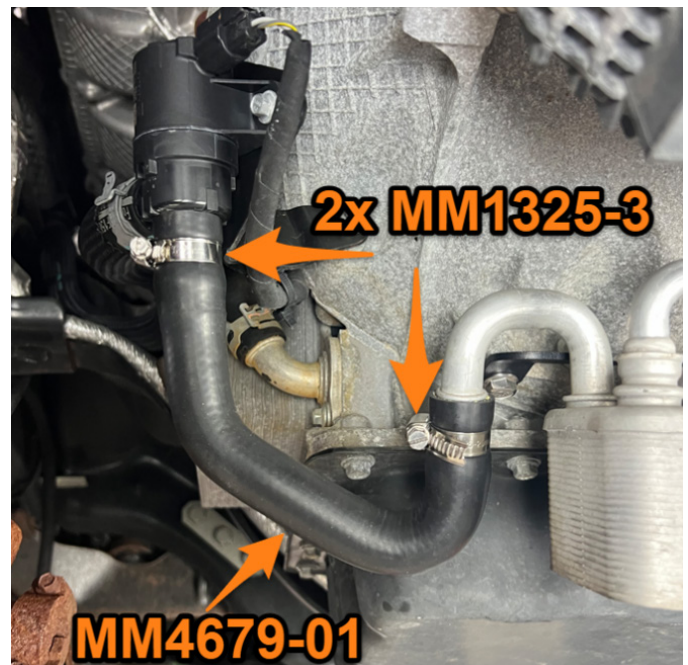
35. Connect the line assembly created in steps 33 and 34 to the upper MM10021-02 fitting and upper port on MM10021-03. Secure the line using two of the provided worm gear clamps. Once secured, carefully slide the MM10047-32-120 heat sleeves over the hoses and clamps. (2x MM1325-2)



36. Slide MM10047-32-170 onto MM4650-05. Install MM4242-67 onto MM4650-05 and the lower port on MM10021-03. Secure the hose using two of the provided worm gear clamps. Once the hose is in place, carefully slide the MM10047-32-170 over top of the hose and hose clamps. (1x MM10047-32-170, 1x MM4242-67, and 2x MM1325-2)
 (Image on top right)



37. Connect MM4679-01 to the stock transmission cooler outlet and coolant control valve on the vehicle's driver side. Secure in place using two of the provided worm gear clamps.
 (MM4679-01 and 2x MM1325-3)



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38. Remove the pop-clips securing the radiator cover to the grille support structure, then remove the radiator cover from the vehicle.



39. Remove the 10mm bolts securing the grille to the top of the grille support structure.



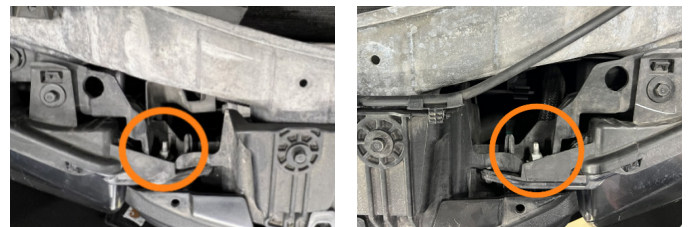
40. Remove the lower grille trim cover using a plastic trim panel tool to release the clips securing it in place.



41. Remove the two 10mm bolts securing the grille to the bottom of the grille support structure.



42. Remove the two 10mm nuts securing the grille to the top of the grille support structure.



43. Pull outward on the bottom of the grille to release it from the grille support structure.



44. Disconnect the front camera and camera washer hose from the grille. Once disconnected, remove the grille from the vehicle.

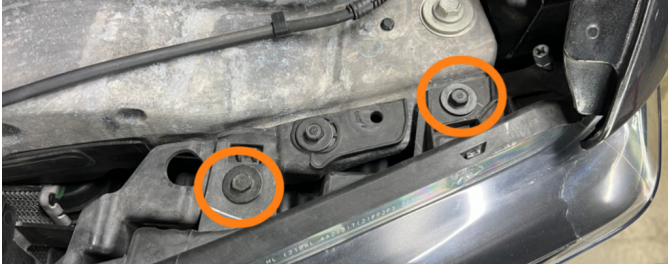


45. Remove the 13mm bolt securing the bottom of the headlight to the body of the vehicle. Do this on both sides.



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46. Remove the 10mm bolts securing the top of the headlight in place. Do this on both sides.



47. Disconnect the harness connector from the back side of the headlight. Do this on both sides.



48. Remove the two tree clips securing the lower air intake duct to the grille support structure.



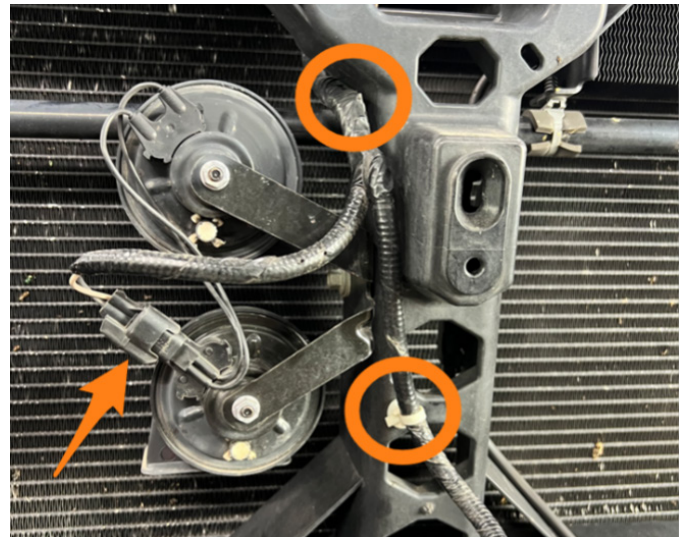
49. Remove the upper air intake duct from the air box.



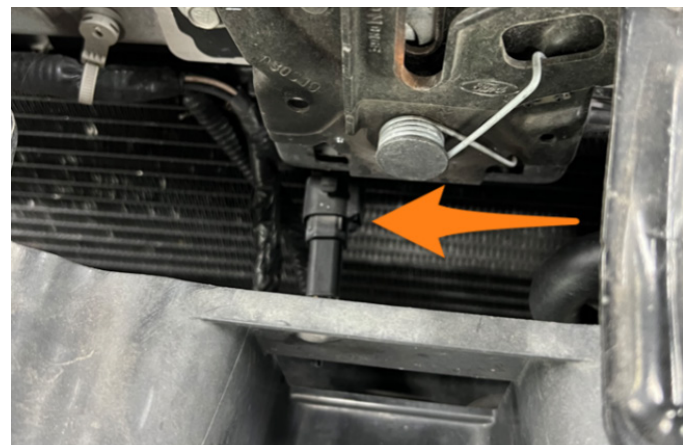
50. Remove the 8mm fastener securing the lower air intake duct to the air box and then remove the duct from the vehicle.



51. Unplug the horn wire harness connector, then unclip the wiring harness from the grille support structure.



52. Unplug the harness connector located under the hood latch assembly.



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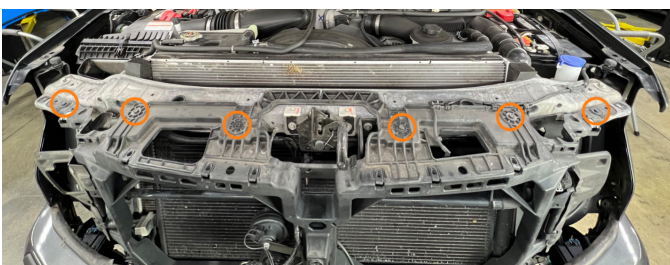
53. Disconnect the front camera washer hose at the connection point located in front of the driver-side battery and unclip it from the radiator support.



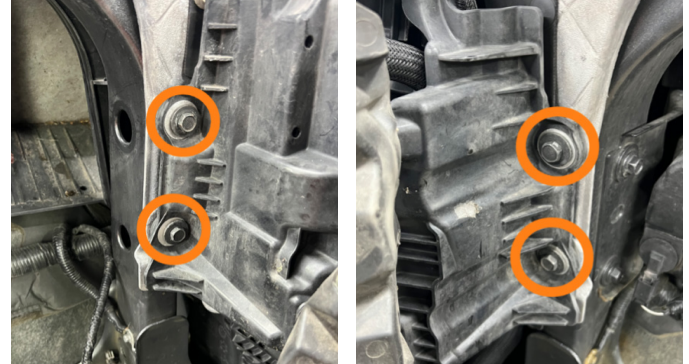
54. Remove the tree clips securing the lower radiator ducting to the grille support structure.



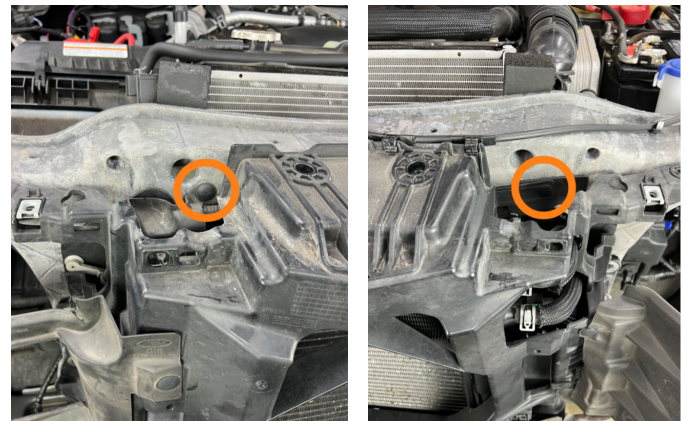
55. Remove the 10mm bolts securing the top of the grille support structure to the radiator support.



56. Remove the 13mm bolts securing the sides of the grille support structure to the radiator support. (Images on top right)



57. Remove the tree clips at the top outer corners of the grille support structure's inner ducts. Once the tree clips are removed, remove the grille support structure from the vehicle.



58. Disconnect the front bumper wire harness.

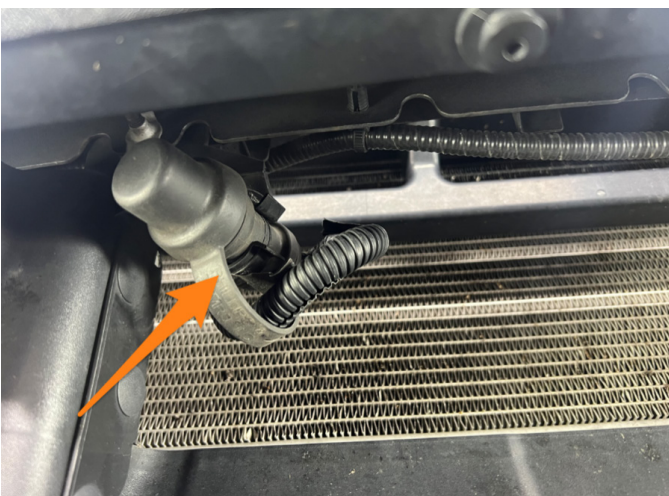


59. Unclip the block heater wire harness from the back side of the bumper (passenger side of the vehicle). (Image on next page)

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60. Unclip the block heater plug from its mount in the front bumper opening.



61. Remove the plastic trim panels from the front bumper using a panel tool.



62. Remove the 15mm bolts securing the inner bumper brackets to the chassis on both sides of the vehicle.



63. Remove the 18mm bolts securing the front bumper to the chassis. Once removed, remove the bumper from the vehicle.

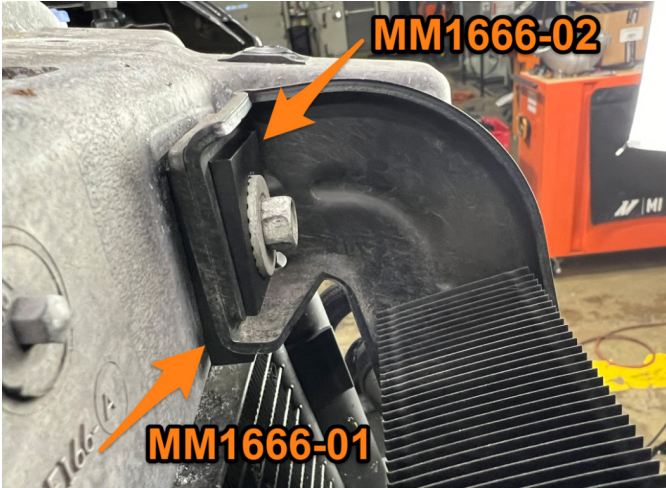


64. Remove the 10mm bolts securing the power steering cooler to the radiator support.



65. Place MM1666-01 and MM1666-02 onto each power steering cooler mount, as shown in the image below. Once done, secure the power steering cooler using the previously removed 10mm bolts. (2x MM1666-01 and 2x MM1666-02) [\(Image on next page\)](#)

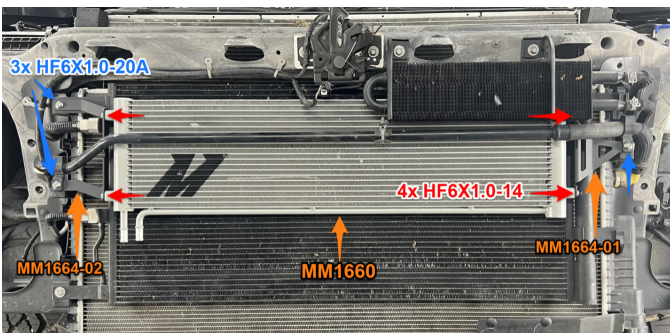
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66. Remove the 10mm bolt from the upper passenger-side AC condenser mount and the two 10mm bolts securing the coolant line that crosses in front of the secondary radiator.



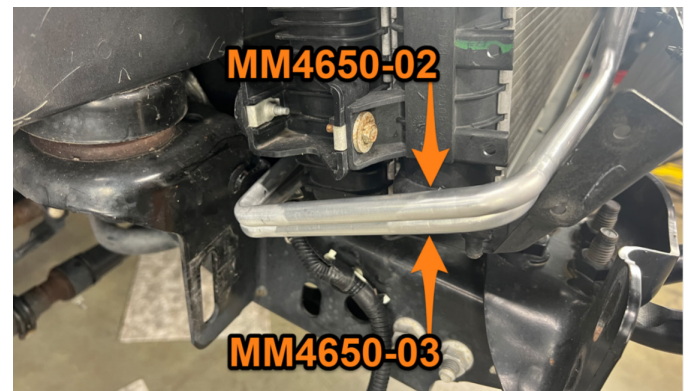
67. Loosely install MM1664-02 onto the passenger side of the secondary radiator, as shown in the image below, using two of the provided M6 bolts. Loosely install MM1664-01 onto the driver side of the secondary radiator, as shown in the image below. Fasten MM1660 between MM1664-01 and MM1664-02 using the provided M6 bolts. Tighten all the bolts. [1x MM1660, 1x MM1664-01, 1x MM1664-02, 3x HF6X1.0-20A, and 4x HF6X1.0-14]



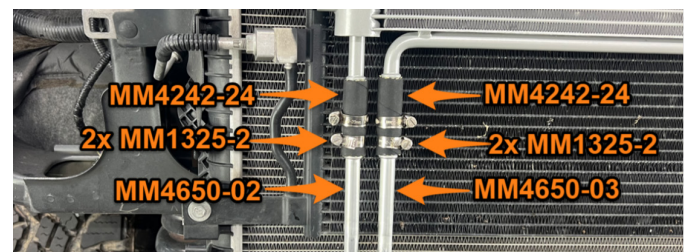
68. Remove the tree clips securing the passenger side of the lower radiator duct to the secondary radiator.



69. Route MM4650-02 and MM4650-03 behind the primary radiator, between the fan shroud and the chassis.



70. Connect MM4650-02 to MM1660 using MM4242-24 as shown in the image below. Secure in place using two of the provided worm gear clamps. Repeat this process for MM4650-03. [2x MM4242-24 and 4x MM1325-2]



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71. Remove the lower passenger-side fan shroud bolt and AC condenser bolt.



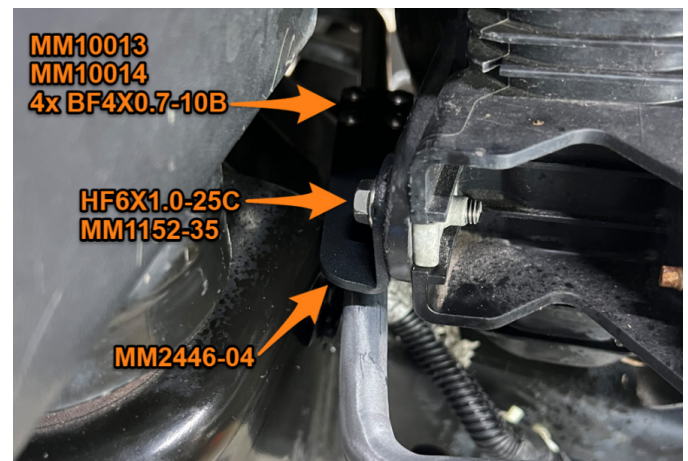
72. Install MM2446-03 onto the lower AC condenser mount using the previously removed bolt.



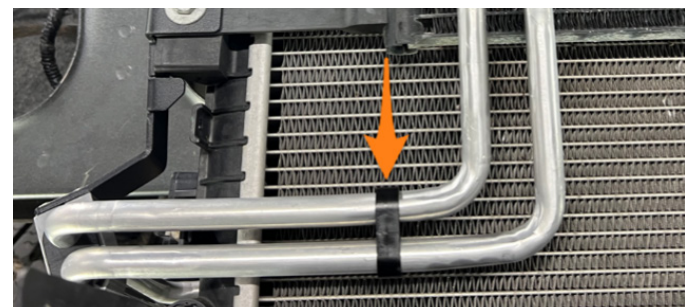
73. Place MM10013 over the two transmission lines at the side of the secondary radiator, then clamp MM10014 over the top of MM10013. Secure MM10014 to MM2446-03 using the provided M4 bolts. (1x MM10013, 1x MM10014, and 4x BF4X0.7-10B)



74. Using a silicone-based lubricant, lubricate the two transmission lines behind the fan shroud. Once lubricated, place MM10013 over the two transmission lines near the fan shroud mount, then clamp MM10014 over top of MM10013. Secure MM10014 to MM2446-04 using the provided M4 bolts. Next, carefully slide the bracket assembly inward until the mounting hole on MM2446-04 aligns with the fan shroud mounting point. Using one of the provided M6 bolts and washers, secure MM2446-04 in place. (1x MM10013, 1x MM10014, and 4x BF4X0.7-10B)



75. Install three MM10020 tube clips onto the Mishimoto transmission lines in the locations shown in the images below. (3x MM10020)

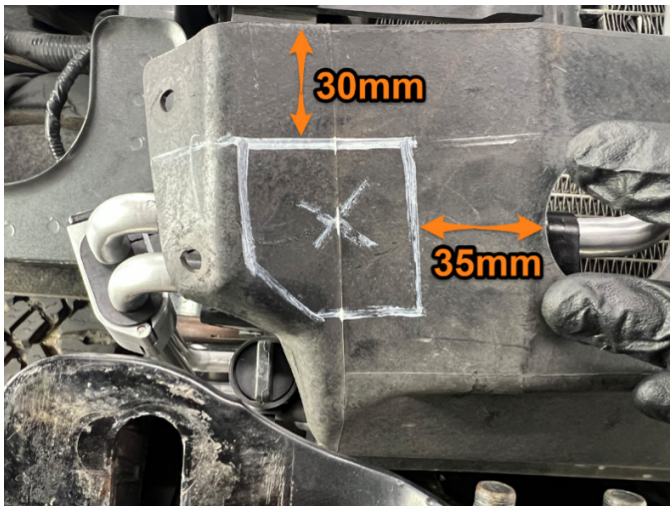


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76. Connect MM4650-04 to MM4650-02 using MM4242-68, then secure in place using the provided worm gear clamps. Connect MM4650-05 to MM4650-03 using MM4242-64, then secure in place using the provided worm gear clamps. (1x MM4242-64, 1x MM4242-68, and 4x MM1325-2)



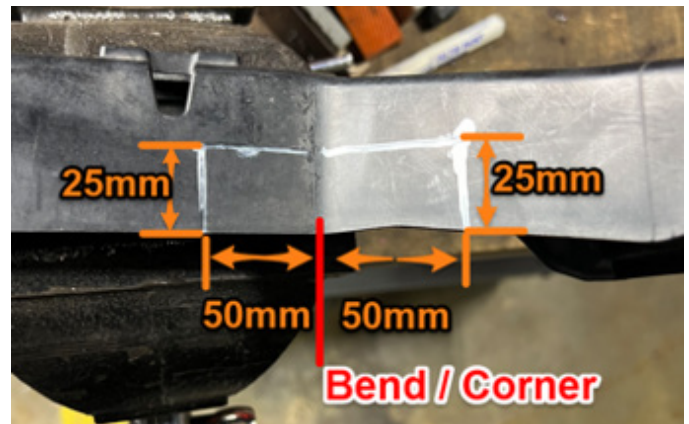
77. Mark the area shown in the image below onto the passenger side of the lower radiator duct. Using a razor knife or scissors, cut out the marked area.



78. Secure the lower radiator ducting to the side of the secondary radiator using the previously removed tree clips. (Image on top right)



79. Mark the area shown in the image below on the passenger side of the grille support structure. Using an angle grinder, cut out the marked area.



80. Mark the areas shown in the image belows on the passenger side of the grille support structure. Using an angle grinder, cut out the marked area.



Continued on next page

81. Clean the cut area on the grille support structure with a file and sandpaper.



82. Mark the area shown in the image below onto the passenger-side grille support structure inner duct. Using a razor knife or scissors, cut out the marked area.



83. The image below shows how the passenger-side grille support structure inner duct should look after being modified.



84. Mark the area shown in the image below onto the driver-side grille support structure inner duct. Using a razor knife or scissors, cut out the marked area.



85. The image below shows how the driver-side grille support structure inner duct should look after being modified.



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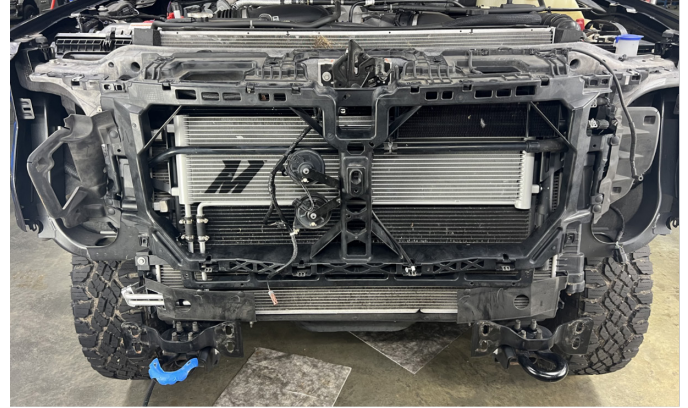
86. Unclip the front camera washer hose from the center section of the grille support structure.



87. Remove the hose routing clip from the front camera washer hose.



88. Reinstall the grille support structure. Check to make sure it is not rubbing on the Mishimoto transmission cooler or transmission cooler lines. [\[Image on top right\]](#)



89. Reinstall the front bumper and loosely install the 18mm bolts that secure it to the front of the chassis.

90. Loosely reinstall the 15mm bolts that secure the inner bumper brackets to the chassis. Do this on both sides of the vehicle.

91. Reconnect the block heater plug to the mount in the front bumper opening.

92. Reconnect the block heater wire harness to the back side of the front bumper.

93. Reconnect the front bumper wire harness.

94. Fasten the top corners of the grille support structure inner ducts to the radiator support using the previously removed tree clips.

95. Reinstall the 13mm bolts securing the sides of the grille support structure to the radiator support.

96. Reinstall the 10mm bolts securing the top of the grille support structure to the radiator support.

97. Fasten the lower radiator ducting to the radiator support using the previously removed tree clips.

98. Reconnect the front camera washer hose to the connection point in front of the driver-side battery, then secure the hose with the previously removed hose routing clip.

Continued on next page

- 99.** Reconnect the harness connector located under the hood latch assembly.
- 100.** Reconnect the horn wire harness to the grille support structure, then plug the horn back in.
- 101.** Reinstall the lower air intake duct to the air box and secure it in place with the previously removed 8mm bolt and tree clips.
- 102.** Reinstall the upper air intake duct to the air box.
- 103.** Reconnect the wire harness connector to the back side of the headlight, then reinstall the headlight to the vehicle using the previously removed 10mm and 13mm bolts. Do this on both sides of the vehicle.
- 104.** Align the front bumper to the bottom and sides of the headlights so that it is centered and sitting in the exact location it was in before it was removed. Once the front bumper is aligned, tighten the 15mm and 18mm bolts securing it in place.
- 105.** Refill the primary cooling system using a coolant vacuum purge and refill tool.
- 106.** Lift the vehicle off the ground so all four wheels are in the air. Check to make sure that the vehicle is sitting level. The vehicle must be level for the transmission fluid fill procedure.
- 107.** With the transmission in PARK, start the engine and check for leaks. Be sure to check all the new transmission and coolant hose connections and the engine oil filter.
- 108.** With a firm press of the brake pedal, place the selector lever in each gear position, holding for approximately 3 seconds in each position. Place the gear selector back into PARK and allow the engine to warm up at idle (between 600-750 rpm).
- 110.** Verify that the transmission fluid has reached 90-101°C (195-215°F) using a diagnostic tool. The fluid level can be checked once the transmission fluid is at the correct temperature. The transmission fluid is at the correct level when the fluid is even with the bottom of the fluid leveling fill hole located on the driver-side of the transmission. The transmission fluid leveling plug is removed using a 10mm Allen wrench.
- 111.** Add transmission fluid as needed until the correct level is achieved.
- 112.** Reinstall the transmission fluid leveling plug and torque to 30 lb.ft (40Nm).
- 113.** Clean up any excess fluid that may have spilled onto the side or bottom of the transmission during the filling process.
- 114.** Check the engine oil level and adjust it as needed.
- 115.** Check the engine coolant level and adjust it as needed.
- 116.** Reconnect the front camera harness plug and fluid washer hose, then push the front grille into place onto the front grille support structure.
- 117.** Reinstall the 10mm nuts securing the grille to the top of the grille support structure.
- 118.** Reinstall the 10mm bolts securing the grille to the bottom of the grille support structure.
- 119.** Reinstall the lower grille trim cover.
- 120.** Reinstall the 10mm bolts securing the grille to the top of the grille support structure.
- 121.** Reinstall the radiator cover to the grille support structure using the previously removed pop-clips.
- Congratulations! You have completed the installation.**

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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

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