



INSTALLATION GUIDE

Transmission Cooler Kit Fits 2007–2014 Toyota FJ Cruiser

SKU: MMTC-FJ-07

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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

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

SUPPLIED PARTS

7X M6 BOLT	1X HOSE SECTION
1X M8 BOLT	1X HORN WIRE HARNESS
3X WORM GEAR CLAMPS	EXTENSION
3X MOUNTING BRACKETS	1X TRANSMISSION COOLER

REQUIRED TOOLS

¼" RATCHET	12MM SOCKET
10MM WRENCH	13MM SOCKET
10MM DEEP SOCKET	PLIERS
10MM SOCKET	FLATHEAD SCREWDRIVER

INSTALL TIME: 2 HOURS

INSTALL DIFFICULTY: 

INSTALLATION INSTRUCTIONS

- 01.** Remove the two pop clips and two M6 bolts from the grill. Carefully pull the grill towards you to disengage the clips. Remove the grill.



- 2.** Remove the M8 bolt from the horn bracket.



- 3.** Disconnect the wiring harness from the horn, then remove the horn.

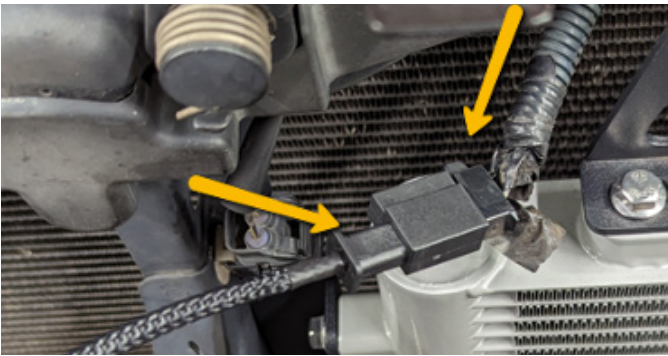


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4. Loosen the M6 nut on the AC line bracket to create a gap. Do not fully remove the nut.



5. Plug the horn harness extension into the horn harness.



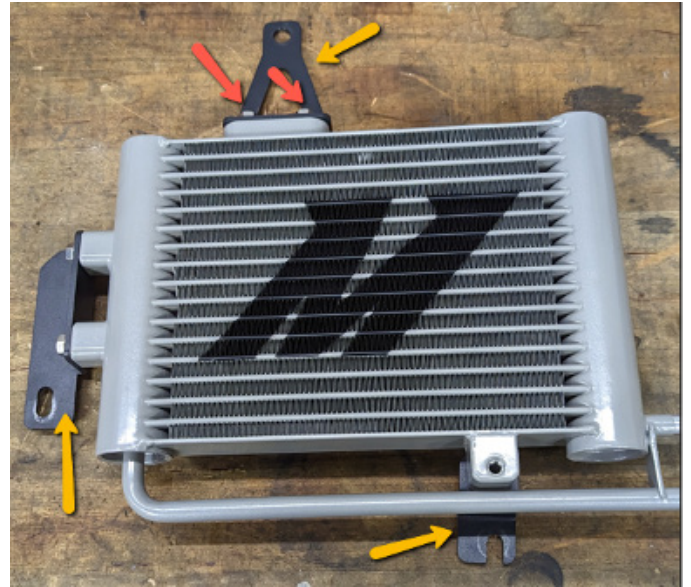
6. Plug the other end of the horn harness extension into the horn.



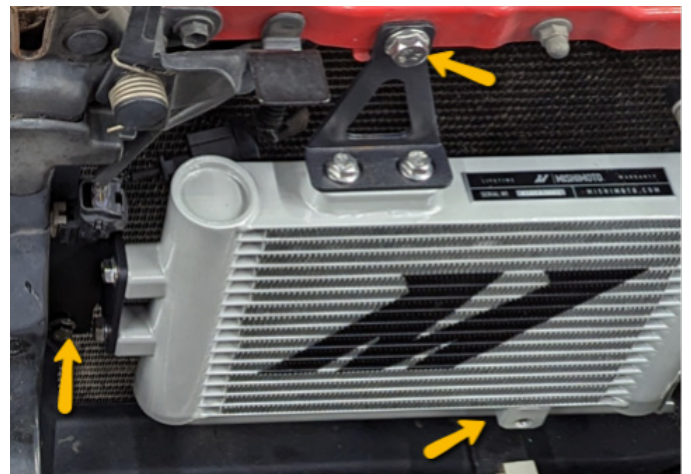
7. Locate the unused threaded hole on the upper radiator support. Use the supplied M6 bolt to bolt the horn to its new location.



8. As shown, use 5 M6 bolts to attach the 3 mounting brackets to the transmission cooler. Leave the bolts with the red arrows loose.

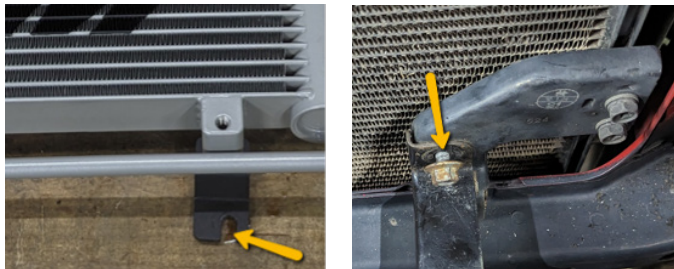


9. Align the top bracket with the threaded hole where the horn was originally located. Align the slot in the lower bracket behind the M6 nut that you left loose. The left side bracket aligns with an unused threaded hole below the ambient temperature sensor. Use the supplied M8 and M6 bolts to bolt the transmission cooler to the vehicle. Tighten all hardware.



Additional images on next page

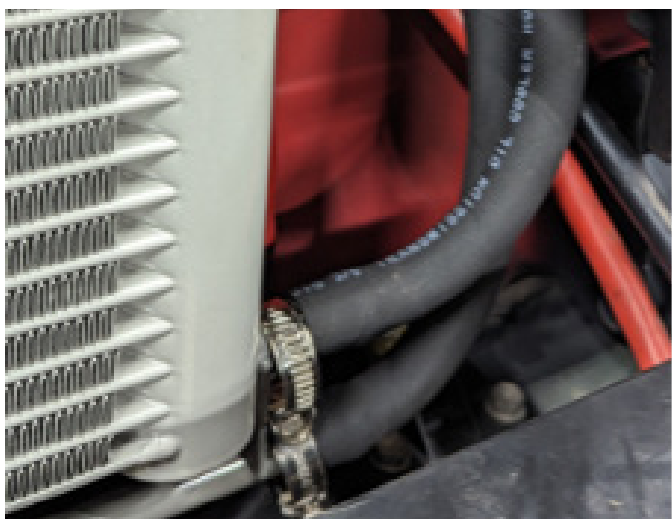
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10. Locate the hole next to the driver-side headlight in the radiator support. Feed the transmission hose through the hole until the rigid section is centered in the hole. The end with a single hose should be in the engine bay. (Headlight removed for clarity)



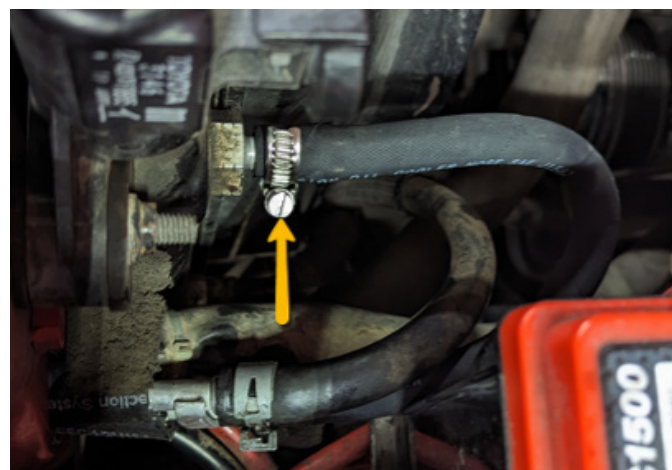
11. Attach hoses to the transmission cooler and secure them with provided hose clamps.



12. Remove the upper transmission hose from the radiator and reinstall it on the end of the hardline. Reuse the factory spring clamp to secure the hose.



13. Install the remaining hose onto the upper radiator port and secure it with the provided hose clamp.



14. Reinstall the grill.

15. Check the transmission fluid level and top off if needed.

Congratulations! You have finished your installation.

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 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