



# INSTALLATION GUIDE

Performance Transmission Cooler, Fits 2024+ Toyota Tacoma 2.4L Turbo  
SKU: MMTC-TAC-24

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## RESOURCES & CONTACT



**CALL 1.877.466.4744**

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



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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

¼" DRIVE RATCHET	FLAT-NOSE PLIERS
½" DRIVE	HOSE PINCH-OFF PLIERS
7MM, 8MM, 10MM, AND 13MM ¼" DRIVE SOCKETS	TAPE MEASURE OR RULER
10MM WRENCH	1 QUART TOYOTA ATF WS
13MM WRENCH	FLUID TRANSFER PUMP
15MM WRENCH	6MM HEX KEY OR HEX DRIVER
1.5MM HEX KEY	½" DRIVE 24MM SOCKET
PHILLIPS HEAD SCREWDRIVER	½" DRIVE BREAKER BAR OR RATCHETING WRENCH
SCISSORS, DREMEL OR SMALL HACKSAW	½" DRIVE TORQUE WRENCH
PICK TOOL	CONTAINER FOR USED/EXTRA TRANSMISSION FLUID

## INSTALL TIME: 2-3 HOURS

## INSTALL DIFFICULTY:

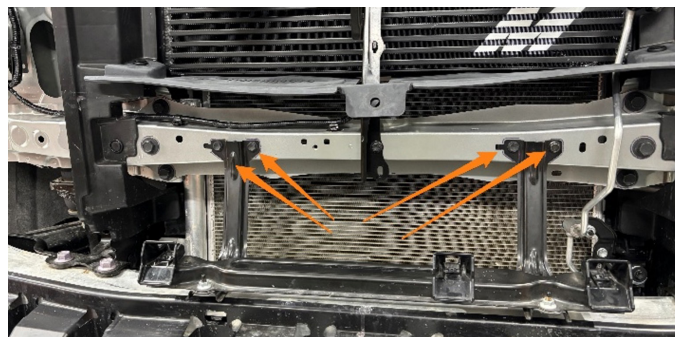
**NOTE:** This is a focused installation guide, which means that it contains only the information needed to install transmission cooler and associated components, but may gloss over removing and reinstalling factory parts.

## INSTALLATION INSTRUCTIONS

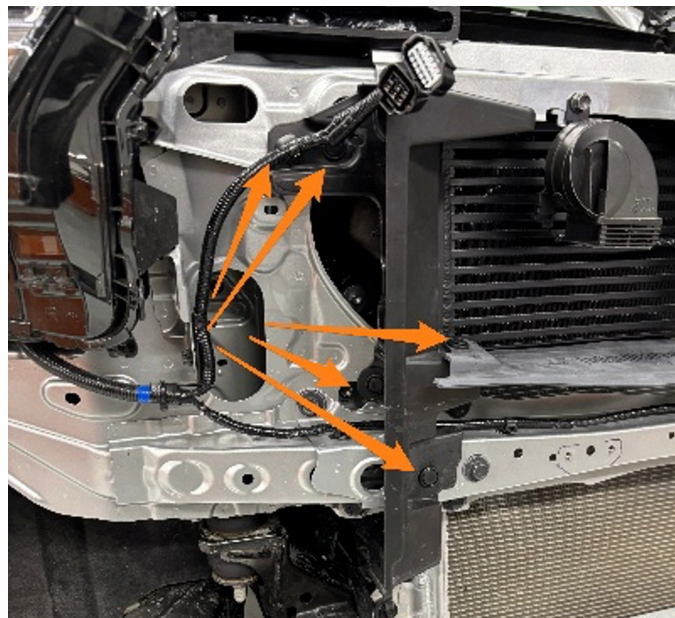
**1.** Allow the vehicle to cool. This installation can be done with the vehicle on the ground, however, having a lift will assist in the process of topping of the transmission fluid and removing the bumper cover.

**2.** Remove the bumper cover.

**3.** Remove the 4x 10mm bolts holding the bumper support bracket to the bumper bar.



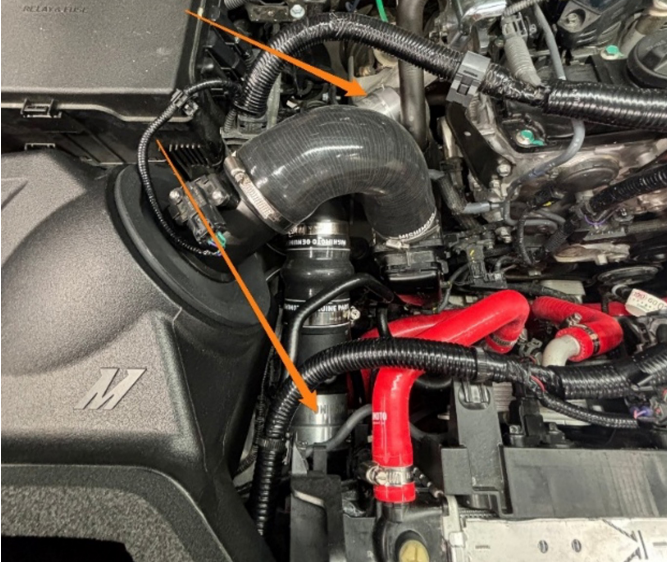
**4.** Remove the 4x push clips and 1x wire harness clip securing the passenger side radiator duct to the core support and other ducting and remove the duct.



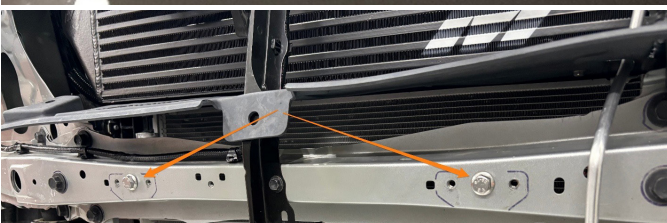
**5.** Remove the hot side (passenger side) charge air pipe that goes from the turbo outlet to the intercooler. Spread the wire clip on each end and pull away from the turbo and intercooler. (Image on following page)

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**6.** Install the 2x hex spacers from the transmission cooler kit onto the bumper support bar in the locations shown. Secure with the included M8 13mm bolt. Make sure the spacer and bolt are centered in the hole if possible.



**7.** Install the 2x included brackets onto the cooler assembly with the included 4x M6 bolts. Tighten the bolts hand-tight, allowing for adjustment in further steps.

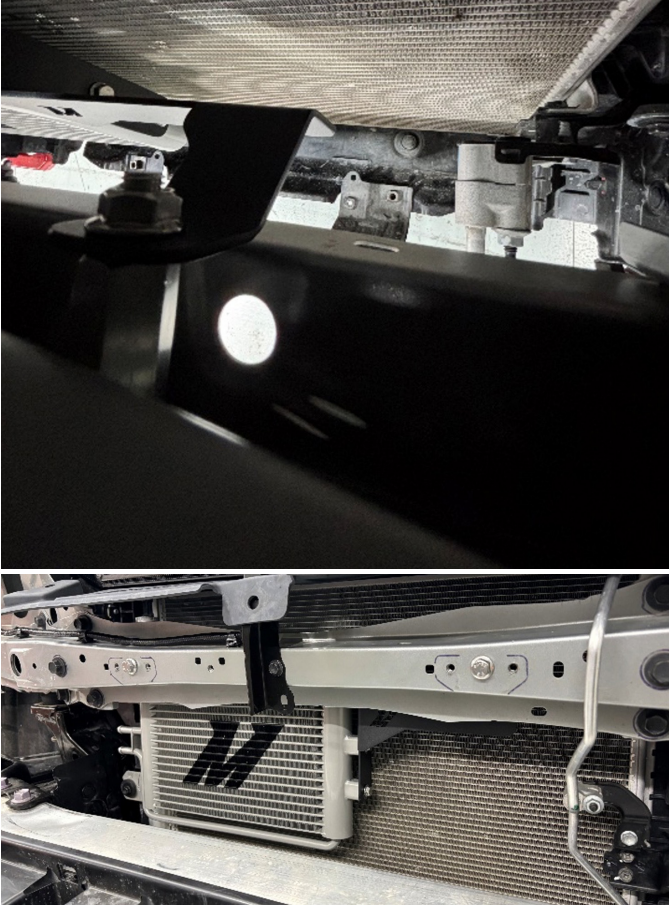


**8.** Hang the cooler assembly on the hex spacer studs and secure with the included 2X M8 hex nuts. Tighten the nuts hand-tight, allowing for adjustment in further steps. (See image below and on the following page)



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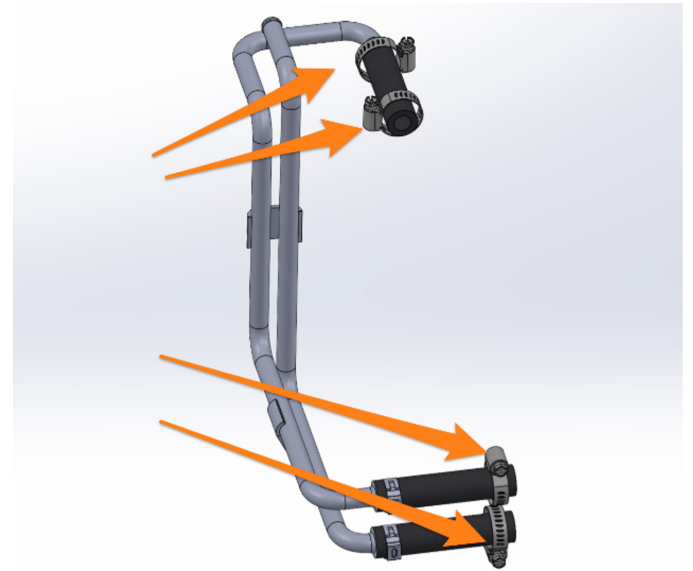




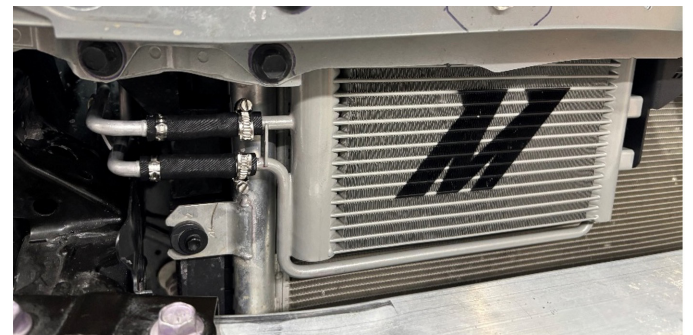
**9.** Clamp off the lower transmission cooler line that goes into the radiator end tank. Place an absorbent cloth or similar underneath the end of the line to catch any fluid that may spill out when the line is disconnected. Then, remove the clamp from the end of the line and remove the line from the radiator tank.



**10.** Preinstall the included small piece of transmission line onto the line assembly in the location shown. Slide the line on about 25mm/ 1 inch. Then pre-install 4x included clamps onto the line assembly, in the locations shown. Note the orientation of the clamps but do not tighten yet.



**11.** Lightly lubricate the transmission cooler line assembly ends and the ports on the transmission cooler to ensure smooth line installation. Sneak the line assembly past the radiator and into place. Connect the line assembly to the lower open transmission port on the radiator and connect the factory transmission line onto the remaining open port on the line assembly. Then, at the transmission cooler, connect the two lines to the ports on the transmission cooler. Adjust the line assembly if necessary and tighten all four clamps. Note: An extra clamp is provided to connect the factory transmission line onto the Mishimoto line assembly in case the factory line clamp is damaged. Either clamp is suitable for use in this application.

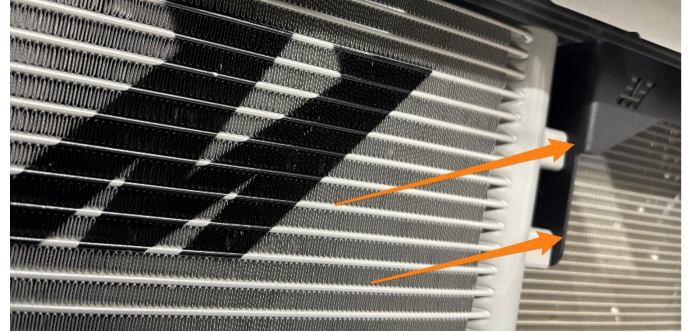
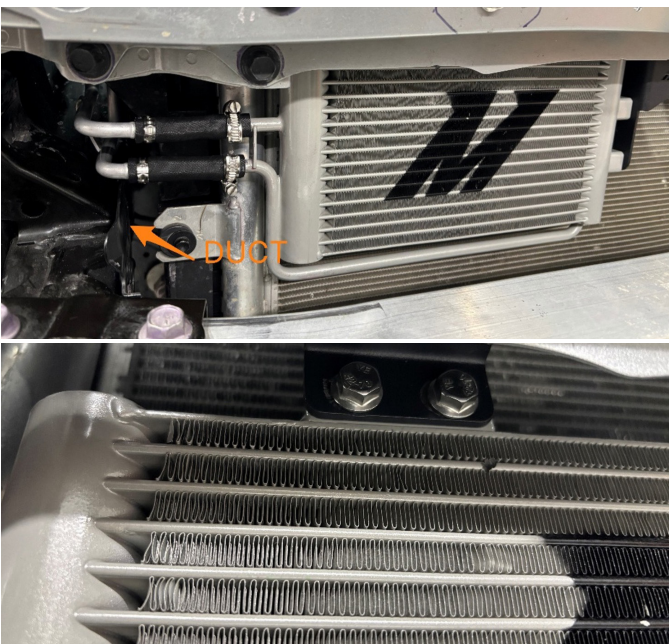


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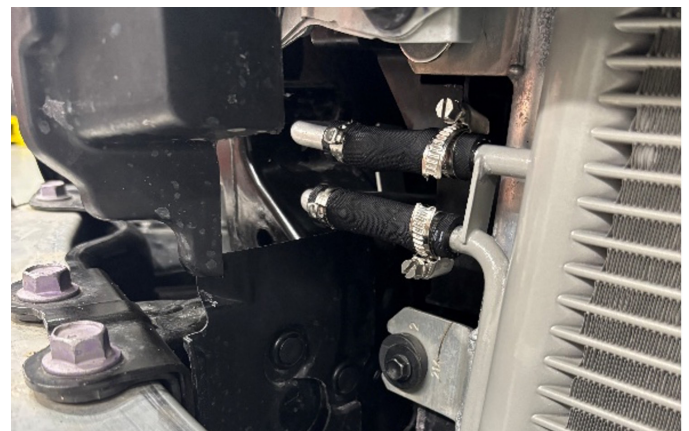
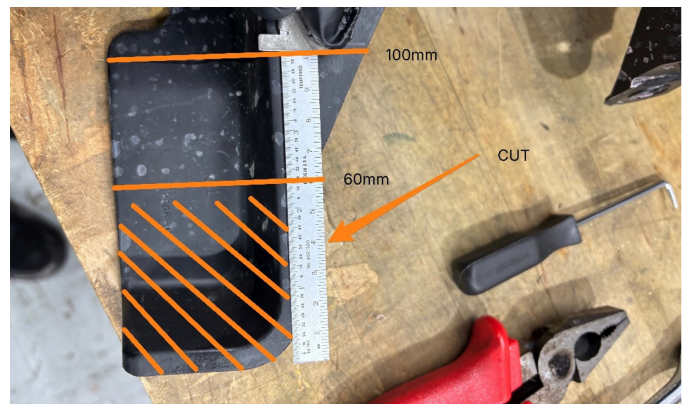




**12.** Push up on the transmission cooler to move the line assembly away from the plastic duct to the left of the transmission cooler and tighten the 4x 10mm bolts for the transmission cooler bracket and the 2x 13mm nuts securing the transmission cooler to the vehicle. Make sure the lines are clear of any ducting and brackets.



**13.** The passenger side radiator duct must be slightly trimmed so that it does not interfere with the new transmission lines. Mark a vertical line on the passenger side radiator duct between 60mm and 100mm from the end of the duct as shown. Trim the duct on the line drawn and then sand or deburr the edge to clean it up. This can be done with sharp scissors, a manual hacksaw, Dremel or similar tool. The photo shown below is cut at 100mm, however, you may cut as little as 60mm off and still clear the lines. Reinstall duct with 4x push clips and verify clearance with the transmission lines and cooler.



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- 14.** Re-install the bumper bracket with the 4x factory 10mm bolts. Then, reinstall the bumper.



## TRANSMISSION FILL/ TOP OFF INSTRUCTIONS

- 1.** With the vehicle on the lift, locate the transmission thermostat on the side of the transmission. To lock out/bypass the thermostat, you must push in on the thermostat (in the direction of the arrow) with a screwdriver or similar and insert a 1.5mm pin through both holes to lock the thermostat in place. A 1.5mm allen key can be used to achieve this.



- 2.** Turn the engine on and put the transmission in each gear for about 5 seconds (R, N, D, S) to circulate the transmission fluid now

that the thermostat is locked out. Then, open the fill plug and pump approximately 1 quart of Toyota ATF WS into the transmission with a fluid transfer pump.



- 3.** Put the vehicle into transmission fluid detection mode. Turn on the vehicle and put the vehicle into drive, then go back and forth between drive and neutral for 30 seconds. The vehicle cannot stay in either gear for more than 1.5 seconds. After about 30 seconds, the vehicle display will read D for 2 seconds and then turn off. Return the shift lever to Park (P). If the display does not show a gear, the transmission fluid is under the desired temperature. If the display shows "D", the vehicle is in the correct temperature range (95°-113°F). If the display shows a blinking "D" the temperature is too high. If the temperature is low, let it idle and recheck. If the temperature is too high, turn the vehicle off to let it cool. If the vehicle is the correct temperature, leave the vehicle on and in Park and remove the transmission drain plug with a 6mm allen socket. Allow any fluid to drain into an appropriate container. If nothing comes out, you must add fluid into the fill plug and repeat step 2 and 3. (Image on following page)

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4. Coat the seals of the drain and fill plug with ATF and tighten the fill plug to 30ft-lbs and the drain plug to 29 ft-lbs. Remove the 1.5mm allen key (or pin) being used to bypass the transmission thermostat.

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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** 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.



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