

BMS Transmission Oil Cooler for 2022+ Toyota Tundra 3.4L Install Guide

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⚠ **ATTENTION:** Before starting installation let the vehicle cool down.

Remove the two 10mm bolts and the 12mm horn bolt. Let the horn dangle out of the way.



Carefully remove the circled plastic hose holder clip by carefully pinching the back of it with pliers. It will be used on the included bracket to hold this same hose. The green arrow is where the M8 bolt and new trans cooler bracket attach to.



Click the plastic hose holder clip into the included bracket.



Attach the radiator to the bracket with the 8 included M6 hex head screws, washers, and nuts.



Put the radiator and bracket into place. Step one.



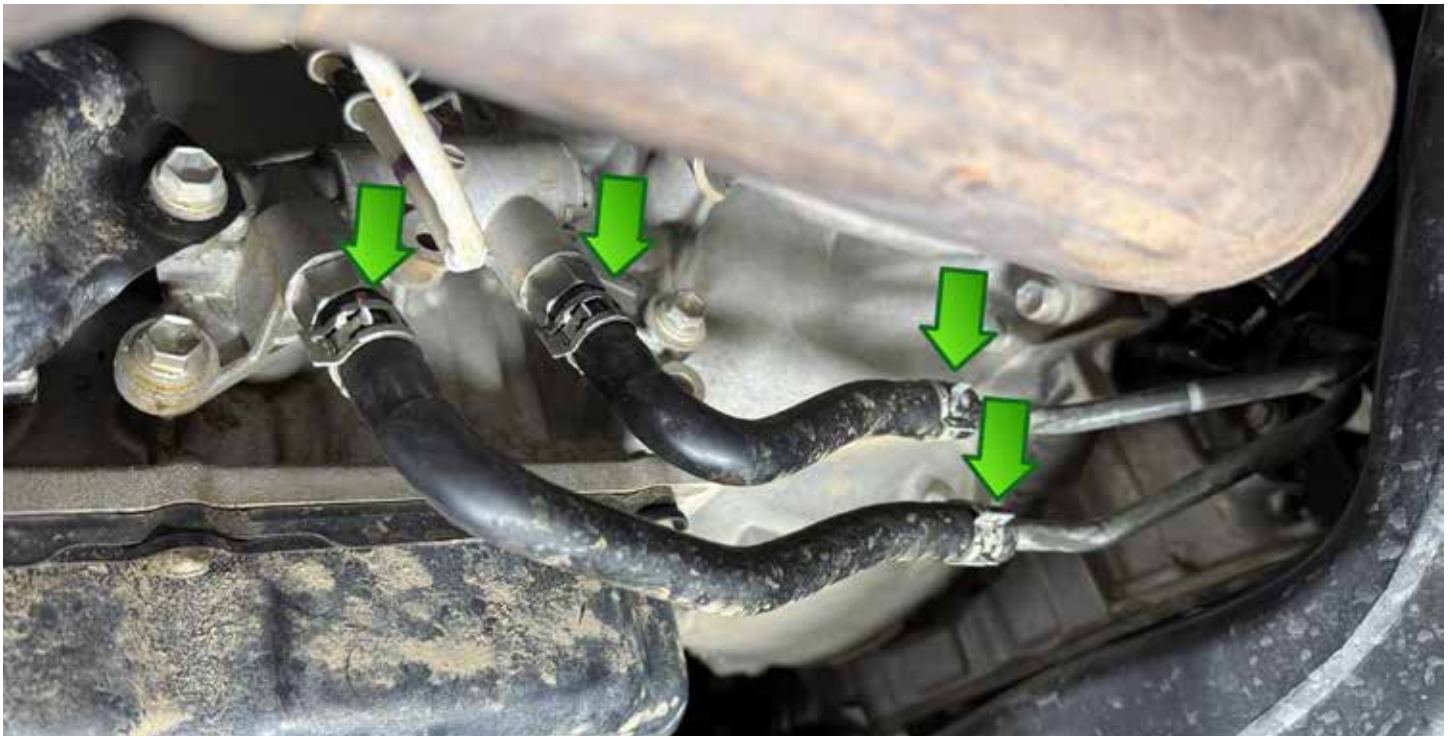
Step two.



Put the hose that was removed from the plastic clip back in the plastic clip and secure the bracket to the mounting locations below the plastic front brackets. Secure the rear bracket mount to the truck above the plastic clip with the included M8 bolt, two washers and nut.



Remove these two hoses by pinching the clamps and sliding them down onto the hose from the fittings. A little transmission fluid may drain out. The hoses are located under the passenger side of the truck next to the transmission



Unscrew and remove both OE fittings.



Securely thread in the two included -6 AN aluminum fittings.



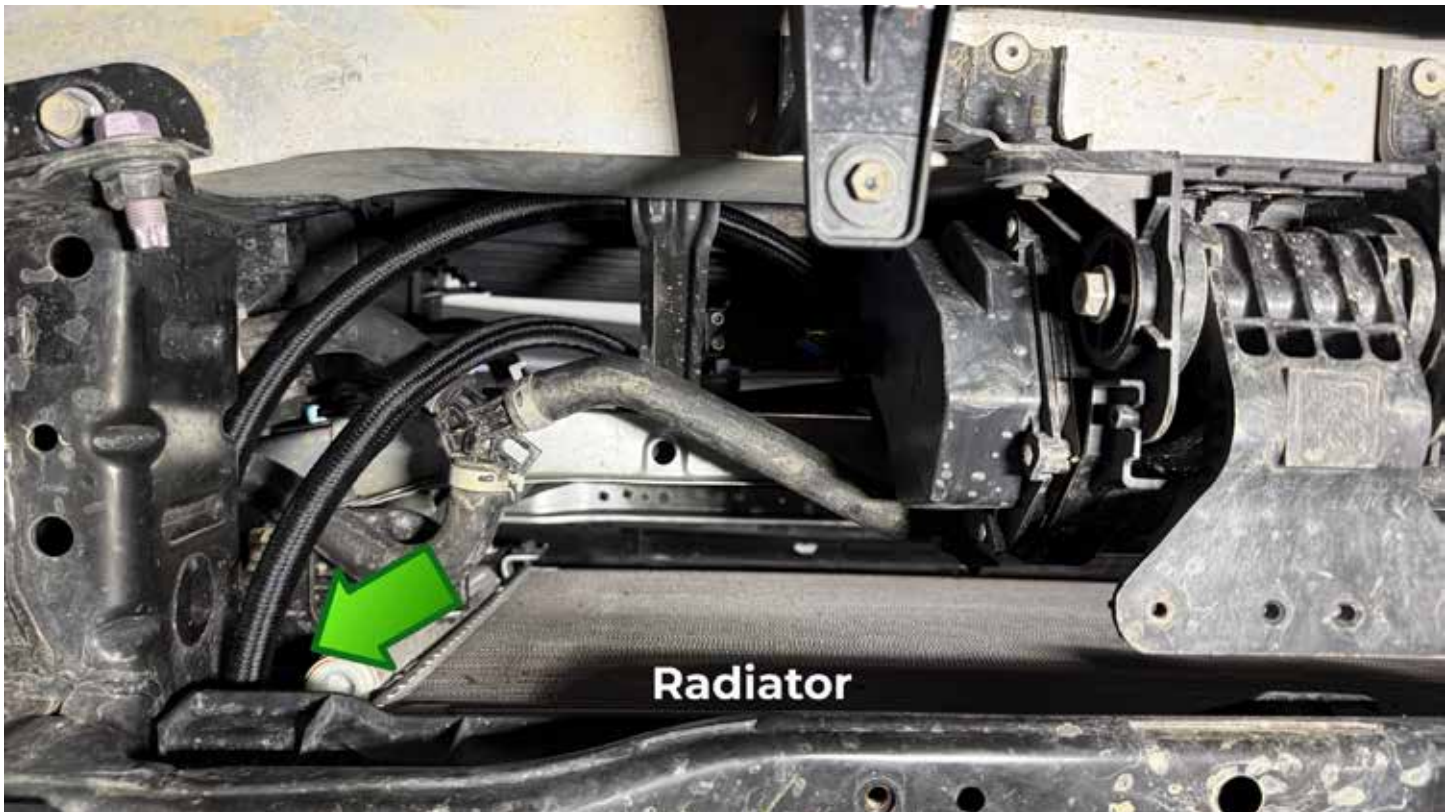
Cap off the existing lines. You can further secure these with zip ties if desired.



Now carefully run the steel braided lines from the radiator down the front of the truck to the transmission. Steel braided lines can kink if you bend them to much so be very careful running them. Make sure they do not come into contact with the exhaust system or any moving parts. The “J” fittings of the hoses should be somewhat aligned with the fittings on top of the trans cooler as you wont be able to rotate them very much once the lines are run.



On the passenger side there is a space between the radiator to run the braided lines. Be cautious to not over bend, twist, or crimp them.



Run each line over the motor mount and then down to the transmission with long swooping bends. Slowly guiding them and being sure the upper "J" connections don't rotate.



Connect both braided lines to both AN fittings. Before doing so make sure the “J” fittings are aligned with the fittings on the trans cooler radiator.



The trans cooler and lines will take about 1 quart to fill up. Top off the trans cooler radiator with Toyota AFT WS or equivalent. Either using a small funnel or a cut water bottle secured onto a rubberband wrapped around the threads of the cooler radiator.



Place one line of the "J" connections on the trans cooler. Then use ether compressed air or a hose to blow the ATF fluid into the line you just connected. Do the same for the other line. Connect both "J" connections.



As a precaution check the 4 AN fittings and make sure they are secure. Start the truck and let it idle and check for leaks. If no leaks are present the truck may be driven.