

2016+ NISSAN TITAN XD COOLANT FILTRATION KIT

PARTS LIST AND INSTALLATION GUIDE



PARTS INCLUDED

- 1PC** | MOUNTING BRACKET
- 1PC** | ANODIZED 6061 ALUMINUM FILTER MOUNT, SILVER
- 1PC** | COOLANT FILTER
- 2PC** | DIRECT-FIT SILICONE HOSES
- 2PC** | BRASS BALL VALVES
- 4PC** | WORM-GEAR CLAMPS
- 1PC** | PLASTIC STRAIGHT BARBED FITTING
- MOUNTING HARDWARE

TOOLS NEEDED

- | | |
|----------------|--------------|
| 5MM ALLEN KEY | 1/4" RATCHET |
| 7MM SOCKET | 20MM WRENCH |
| 10MM SOCKET | PLIERS |
| 1/4" EXTENSION | TEFLON TAPE |

INSTALL TIME 45 MINUTES

INSTALL DIFFICULTY     

DISCLAIMER

- 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.
- Mishimoto suggests that a trained professional install all Mishimoto products.

CAUTION

Never work on the cooling system when it is hot. The coolant temperature in the radiator can be considerably higher than boiling, and the system may be under pressure. Opening a cooling system that is hot or under pressure can result in serious injury. Always wait until the system has cooled completely before servicing it in any way.

INSTALL PROCEDURE

- 01.** Locate the ball valves in your kit and wrap the threads with Teflon tape. Apply the tape in a clockwise direction, the same direction that it will be threaded into the housing. Make sure that the tape does not cover the opening of the fitting.



- 02.** Install the ball valves to the filter housing and tighten them completely. These fittings have a tapered thread so they may not be flush with the housing when fully installed.



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03. Lubricate the filter gasket with fresh coolant and install it to the filter housing.



04. Install the mounting bracket to the filter housing. Orient the housing on the bracket as shown here. Install the three bolts, but do not fully tighten them yet as you may need to adjust the position later. (3x plastic washers, 3x 5mm Allen bolts)



05. Loosen the two nuts on the battery tie-down bracket, and then remove the bracket. The tie-down bolts hook into the bottom of the battery tray. (2x 10mm nuts, 2x battery tie-down bolts)



06. Transfer the battery tie-down bolts and nuts to the Mishimoto battery tie-down bracket. (2x 10mm nuts, 2x battery tie-down bolts)

07. Lower the coolant filter assembly into place over the battery. Hook the battery tie-down bolts into their original locations and hand tighten the nuts to secure it.



08. Compress the clamps that secure the EGR cooler hose and remove the hose. Place a cut-up bottle under the EGR cooler outlet to capture any spilled coolant. (2x spring clamps)



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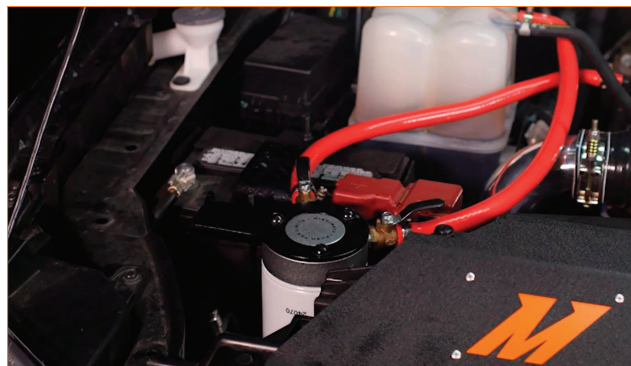
09. Locate the hose with a 90° bend in your kit. Install one of the small hose clamps over this end and slip the hose over the nipple on the expansion tank. Install one of the large hose clamps over the other end of this hose and install it to the port marked **OUT** on the filter housing. (1x small worm-gear clamp, 1x large worm-gear clamp)



10. Locate the hose in your kit with a shallow bend. Install one of the small hose clamps over this end and slip the hose over the nipple on the EGR cooler. Install one of the large hose clamps over the other end of this hose and install it to the port marked **IN** on the filter housing. (1x small worm-gear clamp, 1x large worm-gear clamp)



11. Now go back and tighten the worm-gear clamps to secure the hoses.
12. Tighten the nuts that secure the battery tie-down bracket.
13. Adjust the filter housing so that the hoses flow freely, and tighten down the bolts that secure it.
14. Turn both valves to the open position. These valves should remain in this position at all times except when servicing the filter.



15. To replace the filter, move the valves to the closed position and unscrew the filter from the housing. Then install a new filter and turn the valves to the open position.

Congrats! You just finished installing the 2016+ Nissan Titan XD Coolant Filtration Kit.