

INSTALLATION INSTRUCTIONS

SUBJECT: GM DURAMAX OIL COOLER ADAPTER ELBOW

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April, 2021
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FITMENT: 2001-2007, 2011-2016 Duramax engines

KIT P/N: FPE-DMAX-OCADPT

ESTIMATED INSTALLATION TIME: 4 Hours

RECOMMENDED TOOLS: E8 socket, 11 mm socket, 12 mm socket, 13 mm socket, ratchet with extensions, filter wrench, scotch brite.

KIT CONTENTS:

Item	Description	Qty
1	Oil Cooler Adapter	1
2	Square Cut O-rings	2



WARNINGS:

- Use of this product may void or nullify the vehicle's factory warranty.
- User assumes sole responsibility for the safe & proper use of the vehicle at all times.
- The purchaser and end user releases, indemnifies, discharges, and holds harmless Fleece Performance Engineering, Inc. from any and all claims, damages, causes of action, injuries, or expenses resulting from or relating to the use or installation of this product that is in violation of the terms and conditions on this page, the product disclaimer, and/or the product installation instructions. Fleece Performance Engineering, Inc. will not be liable for any direct, indirect, consequential, exemplary, punitive, statutory, or incidental damages or fines caused by the use or installation of this product.

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PROCEDURE:

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STEP 1: Disconnect the battery and remove the inner fender liners.

STEP 2: Remove the coolant drain plug on the radiator and drain the coolant into a clean pail.

STEP 3: Remove front drive shaft and oil filter.

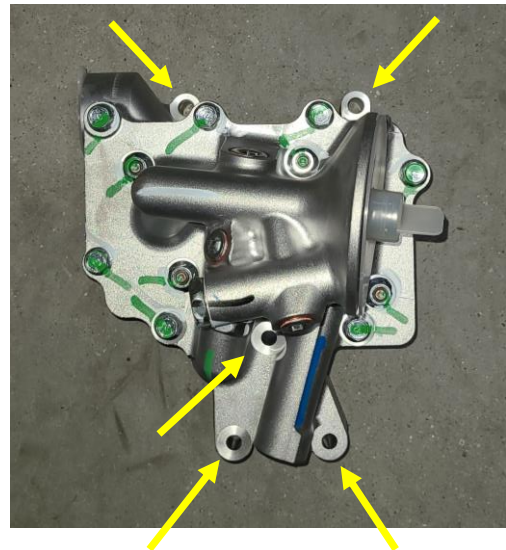
STEP 4: Remove the driver side CAC pipe to gain access to the back of the water pump.

STEP 5: Remove the two nuts on the coolant tube to the oil cooler.



STEP 6: Remove the five (5) bolts on the oil cooler housing.

NOTE: Have a drain pan ready.



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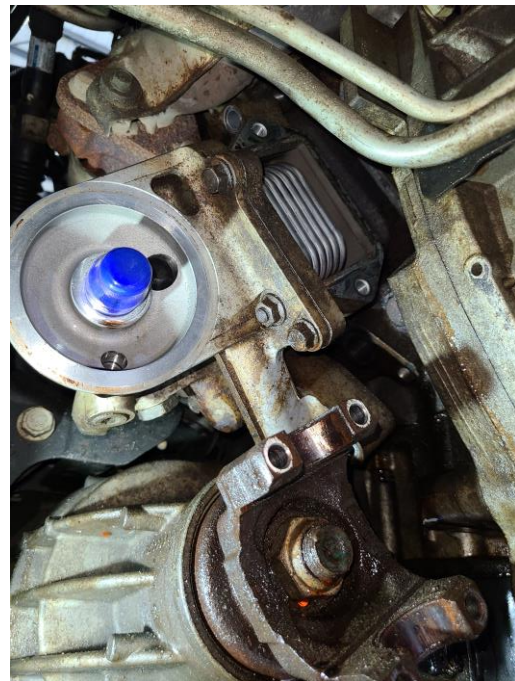
STEP 7: Remove the two nuts, studs, and bolts from the oil cooler elbow.

NOTE: Remaining coolant in the system will begin to drain out.



STEP 8: Lightly pull out on the cooler and remove the old coolant elbow. Thoroughly clean the oil cooler, rear housing, water pump and coolant tube surfaces.

STEP 9: Replace the water pump tube gasket (P/N 94399279). Line up the two studs with the coolant tube and start the nuts (DO NOT TIGHTEN THEM YET).



STEP 10: Install the lower stud in the rear engine adapter plate and the lower bolt in the oil cooler housing. Carefully slide the elbow down onto the bolt and finger tighten. Carefully line up the oil cooler and gently push into the block. Finger tighten the five (5) bolts on the cooler.



STEP 11: Install the upper oil cooler bolt and the top stud in the rear adapter.

IMPORTANT: Tighten the oil cooler bolts in the following order to ensure a proper seal:

- 1) Tighten the nuts first. Then back the nuts off $\frac{1}{4}$ turn.
- 2) Fully tighten the bolts.
- 3) Re-tighten the nuts fully.

Failure to follow this sequence may result in an improperly seated adapter that may leak.

STEP 12: Tighten the nuts on the back of the water pump

STEP 13: Refill the coolant system and pressure test for leaks. Install a new oil filter. Re-install the CAC pipe, the front driveshaft, inner fender liners, and re-connect the battery. Bring the engine to operating temperature and inspect for leaks.

