



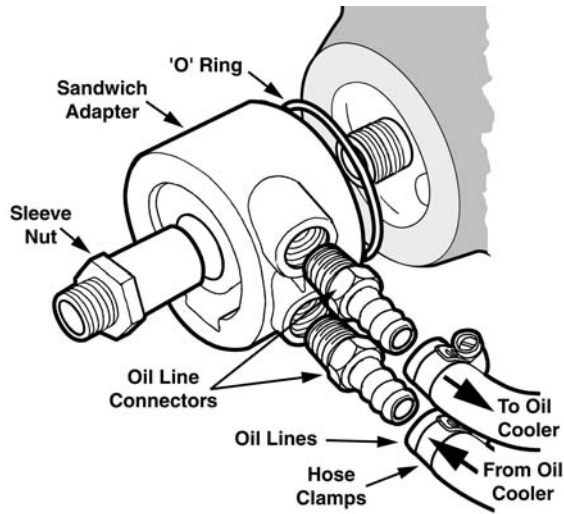
Installation Instructions for Engine Oil Cooler Kit's #15402, 15403 & 15404

*Thank you for buying our product.
Please read the following
Instructions in full before starting
the installation.*



Installation Hints

1. The oil cooler core relies on airflow to provide heat dissipation. The best cooler location in the vehicle is where the cooler will receive airflow from both vehicle motion and the cooling fan. Ideally it should be mounted in front or behind the radiator but other locations with sufficient airflow will also work. Be careful to protect the cooler from flying objects or any other moving parts.
2. Keep rubber hoses away from sharp edges, hot exhaust and other wear points. Be careful not to bend hose less than 5" radius (a small coffee can). Keep hose runs as short as possible but always rough cut hose lengths 2" longer than measured for insurance



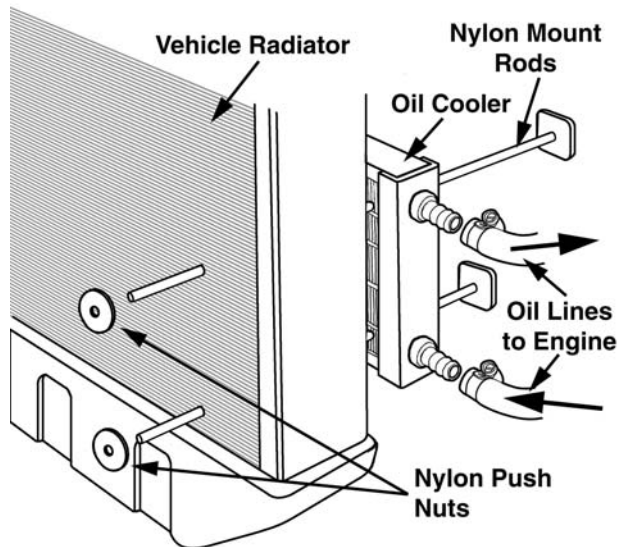
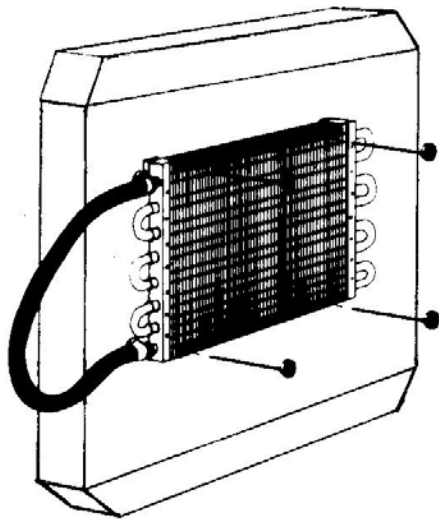
NOTE: THE O.E.M. SIZE FILTER WILL WORK IN MOST APPLICATIONS EXCEPT IN APPLICATIONS WITH VERY TIGHT CLEARANCES. SEE CHART BELOW FOR POSSIBLE OTHER FILTER OPTIONS.

Sandwich Adapter Installation

Sandwich adapter fits between oil filter and engine block. Before removing oil filter, check clearance between filter and any obstructions such as frame rail or exhaust pipe. The adapter is 1 3/4:" thick so you will need at least 2 1/4:" of clearance. If there is insufficient clearance is found, refer to chart below for a shorter length filter.

- 6 Remove oil filter and clean oil off engine block mounting surface.
- 7 Install brass hose barb on adapter casting. Use Teflon tape to seal threads.
- 8 Take the five threaded sleeve-nuts. Find the sleeve-nut that will thread into your oil filter, this is the one to use.
- 9 Set the o-ring supplied onto the sandwich adapter. Apply a light coat of engine oil to o-ring seal. Slide sleeve-nut into adapter and install on engine with o-ring facing engine block. Adapter can be rotated for ideal hose routing location. Torque sleeve-nut to 20 foot pounds.
- 10 Install oil filter.

SIZE	COLOR	O.D.	FILTER HEIGHT	FRAM P.N.	FILTER HEIGHT	FRAM P.N.
18MM X 1.5	WHITE	3"	4 15/16"	PH3535	3 11/32"	PH3387A
20MM X 1.5	BLACK	3"	4 15/16"	PH2649A	3 23/64"	PH3593A
22MM X 1.5	GREEN	3"	4 15/16"	PH3750	3 63/64"	PH2
3/4-16	YELLOW	3"	4 15/16"	PH3600	3 23/64"	PH3614
13/16-16	BLUE	3"	4 15/16"	PH3429	3 23/64"	PH3506



Oil Cooler Installation

1. Using hose clamps supplied, attach the two ends of the hose to the cooler inlets (cooler core will flow in both directions so it does not matter which is the inlet or outlet), creating a loop.
2. Mount cooler to radiator or AC condenser core using supplied plastic rods, clips and foam pads. Separate foam pad into four and peel paper backing off and apply a pad to each corner of the cooler core. The foam pads act as a cushion between oil cooler and radiator/condenser.
3. Then take plastic rods and clips, inserting a rod in each corner of oil cooler and through radiator/condenser. Make sure rods clear tubes in oil cooler and radiator. Install clips onto rods and tighten until oil cooler cannot move. Cut off extra length of plastic rod protruding through clip.
4. Route hoses to sandwich adapter, use caution to avoid sharp or hot objects and make sure all hose bend radiuses are at least 5" or the diameter of a coffee can.
5. Cut and attach hoses to sandwich adapter using hose clamps provided.

- When installation is complete, test as follows:**
- A. Start engine and immediately check for oil pressure.
 - B. Turn engine off and check oil level. some additional oil will need to be added. (do not over fill)
 - C. Run vehicle for appx. 10 minutes. Then check for any leaks.

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