

## INSTALLATION PROCEDURE

### INSTALLATION NOTES

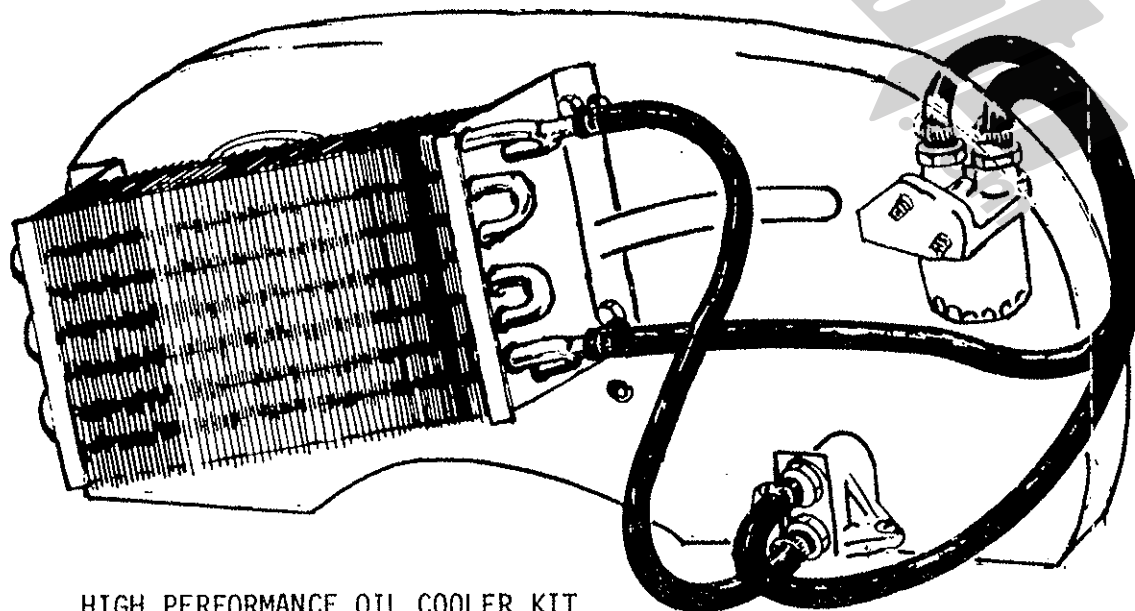
- A. Securely tighten hose clamp on barb fittings.
  - B. Use teflon sealing tape supplied in this kit to insure against oil leakage on all threaded fittings.
  - C. DO NOT OVERTIGHTEN fittings while threading them into cooler adapters, cracking will result. Tighten fittings to 15 ft. lbs. of torque.  
NO REPLACEMENT OF CRACKED PARTS WILL BE MADE DUE TO OVERTIGHTENING
  - D. Body alterations to improve engine cooling: Sedans cut out the (2) center inside flat louver panels (not outside vertical louvers) of air intake on body below rear window.
  - E. If fins of oil cooler contact fiber insulation behind engine, cut a 7 X 14 rectangle from insulation for cooler clearance.
1. Remove engine from vehicle. Remove fan housing from engine and remove factory oil cooler from top of engine block. If air intake is equipped with throttle ring, remove assembly from shroud. 1971 and later fan housing modification. Chisel, cut spot welds and remove air duct that covered factory oil cooler. Cut 2" X 9" section of sheet metal from left radius of air duct that was removed to fill factory oil cooler air exhaust hole. Weld or pop rivet sheet metal in place. Cut a piece of sheet metal 3-3/4" x 4-1/2" from flat portion of air duct that previously covered factory oil cooler to cover adapter and previous opening of factory oil cooler.
  2. To Install Block off Adapter, remove oil cooler mounting stud on block. Clean oil cooler surface of engine block. This kit contains a gasket for the aluminum block off adapter. Sealer should be applied to both sides of the gasket to assure a proper sealing (gascacinch). Install adapter on block and bolt down with the new 6mm bolt and washer and (2) 1/4" X 1" bolts, lockwashers and nuts.
  3. Tightly wrap teflon tape 1½ turns around each threaded fitting.
  4. Cut elongated opening in rear of blower housing at location of oil cooler adapter so fan housing will slide past fittings without removing oil lines. Measure 7½" from side of housing to center line of opening to be cut. Cut hole 1" wide and 2 3/4" high. If fan housing is equipped with thermostat shutter arms, cut section of arm to clear oil cooler adapter fittings. Drill hole at cut end of each arm and secure to fan housing with shutters in full open position. Do not remove shutters. Note: If thermostat operation is desired, 1971 and later factory shutter arm can be substituted for 1970 and earlier units.
  5. Place oil cooler over air intake so upper left corner of cooler mounting flange will be against left radius of blower housing, and the cut out in right mounting flange of oil cooler straddles raised channel in blower housing. Drill (4) 5/32" holes in blower housing and secure cooler to housing with sheet metal bolts.

6. To install oil filter adapter, remove ignition coil from its normal mounting location and reposition in a vertical position parallel with filter cartridge, ignition wire leads pointing down. Drill (2) 5/32" holes, secure coil to housing with (2) sheet metal bolts.
7. Screw threaded hose barbs into oil filter base. Be sure and use teflon tape on threads and mount on face of blower housing at extreme left with sheet metal screws. Side angle of filter mounting flange will be flush with side top radius of fan housing. Check clearance of oil filter cartridge with blower hose (late models) intake manifold, etc, before drilling 5/32" holes. Filter base accepts Fram PH8A, PH16 or similar oil filters.
8. Route oil lines as follows: Top fitting of oil cooler adapter (oil out) to side inlet fitting on oil filter. Center outlet of oil filter to lower inlet of cooler, upper outlet of cooler to bottom hose barb in cooler adapter. Cut hose to length and push over barbed hose fittings. Tighten hose clamp securely to hose.
9. Reinstall engine and add approximately two quarts of oil for cooler and filter. Total capacity will be approximately four quarts.
10. Start engine and check for leaks.
11. We recommend oil change intervals, 3,000 miles normal street/highway driving. Cold climates/short distances or dusty conditions, change oil more often.

# ENGINE OIL COOLER FOR VOLKSWAGENS

## PACKING LIST

1 Oil Cooler Core		2 1/4" Nuts
1 Oil Cooler Adapter		2 Lock Washers
1 Filter Adapter w/nipple	7 sheet metal screws	2 1/4 X 1 Bolts
4 Hose Barb Fittings	6 hose clamps	1 6mm bolt
5 Feet of hose		1 washer
		6" teflon tape



HIGH PERFORMANCE OIL COOLER KIT