



PRO-ACTIVE MAINTENANCE SOLUTIONS

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ENGINE OIL FILTER APPLICATION DATA FOR FORD POWERSTROKE 7.3L 1998-2000

PARTS LIST FOR FORD KIT #FIL668PS:

- 1 Filter unit #FIL668
- 1 Mounting bracket #668FBK
- 2 Aeroquip straight push-lock fittings (#4 JIC female)
- 2 Aeroquip 90 deg. push-lock fittings (#4 JIC female)
- 1 C5205x4 Weatherhead fitting (1/8"male NPT- #4 JIC male)
- 1 C5205x4x6 Weatherhead fitting (3/8"male NPT - #4 JIC male)
- 1 5/16" x 2" square stock (to remove pressure plug)
- 2 5/16" x 1 1/2" grade 8 bolts
- 2 5/16" grade C locknuts
- 4 5/16" hardened flat washers
- 1 Warning label
- 1 Service record label
- 1 Windshield sticker
- 2 # 14 x 1" self tapping screws
- 2 1/4" hardened flat washers
- 6 8" cable ties
- 15 ft. 1/4" Aeroquip AQP hose

Tools needed:

- Angle drill
- 5/16" nutdriver (to fit in drill)
- SAE wrench set
- SAE socket set
- Metric wrench set
- Metric socket set
- adjustable wrench
- side cutters
- utility knife
- Teflon tape, or thread sealant



MOUNTING INSTRUCTIONS

The filter is to be mounted in front of passenger-side battery. It may be necessary to bend the A/C fill stem, this can be done by hand, with extra care to avoid damage to tubing.

Disconnect positive battery terminal on drivers side battery, and remove battery on passenger side of vehicle to allow for working room.

The white mounting bracket # 668FBK is to be mounted on radiator support with 2 self tapping screws and 2 1/4" washers and secured on the opposite end by removing washer fluid tank support bolt, and re-fastening bolt with mounting bracket sandwiched between frame and plastic.

The red filter mounting bracket is then attached to the white mounting bracket with the 5/16" bolts, nuts and washers.

Place an oil drain pan underneath vehicle to catch dripping oil. Remove the small plug located in the filter housing and replace the plug with the 1/8"-#4JIC fitting. **The Engine side of Fitting must be coated with thread sealant or Teflon tape.** This is the Pressure fitting, and will connect to the **IN** port on the filter.

Remove the 3/8" plug to the rear of the filter housing, and just above the oil pan. This is easily done by using the 5/16" square stock and an adjustable wrench.

Replace with 3/8"-#4 JIC fitting. **The engine side of Fitting must be coated with thread sealant or Teflon tape.** This is the oil return, and will connect to the **OUT** port on the filter.

Push straight fittings into hose ends - **clamps are not necessary**- and tighten onto fittings in engine block. **Do not over tighten**, as brass fittings will crack when over tightened. Route hoses to filter while taking precautions to avoid routing which would cause damage to hoses by rubbing, pinching, cutting etc. Secure hoses with cable ties, beginning at the engine, and working towards filter unit. Hoses can be cut to proper length after proper routing is assured.

Push hoses onto 90 deg. fittings and connect to the bottom of the filter unit. Take special note to ensure that the port labeled **IN** is connected to the **pressure**, and the port labeled **OUT** connects to the **return**. Complete the installation by mounting the filter to the red bracket and finish securing hoses with cable ties.

