

Installation Manual



OIL FILTER RELOCATION KIT

Oil filtration relocation kits provide easy access & serviceability to the engine's oil filter.

Thank you and congratulations on the purchase of an oil filter relocation kit. Please read the entire manual prior to starting the installation to ensure you can complete it once started.

BEFORE STARTING THE INSTALLATION:

1. Using the application information below; ensure the kit you are installing is correct for the make, model and year of the vehicle you are installing on.
2. Please also make sure all the items shown in the photo are provided in your kit before starting the installation.
3. **PLEASE NOTE: A replacement oil filter is NOT included in this kit. Kits are designed to work with factory part number filters.**



◀ HP10006

1994-2002 Dodge Ram Cummins 5.9L Diesel Engine
w/ 1" - 16 UN Oil Filter Threads.

◀ HP10016

2003-2007 Dodge Ram Cummins 5.9L Diesel Engine
w/ 1" - 16 UN Oil Filter Threads.

2007½-2009 Dodge Ram Cummins 6.7L Diesel Engine*
w/ 1" - 16 UN Oil Filter Threads.

***Inner fender well must be modified to provide filter clearance**



◀ HP10007

Universal Kit†
for Cummins engines w/ 1" - 16 UN Oil Filter Threads.

◀ HP10125

Universal Kit†
for Cummins engines with M27x2.0 Oil Filter Thread.

◀ HP10174†

Universal Kit†
for Cummins engines with 1⅞" - 16 UN Oil Port.

† These kits are without a replacement filter head mounting bracket.

- 1 Remove the existing oil filter and recycle. (Figure 1)
- 2 Locate the replacement filter head assembly. Make sure both the seals are in place (as shown in Figure 2). Prior to installation, put a light coat of clean engine oil on both seals.

Loosely install on the engine by turning the filter head retaining nut.

Do not tighten the nut until Step 3 to allow for final adjustment with the fittings installed.

- 3 Locate the 90° fitting provided and ensure the lock nut is threaded all the way on to the fitting and the seal is in place. Install this into the side port of the replacement filter head pointing down. (As shown in Figure 3 with an arrow)

Locate the 45° fitting (for HP10016 installations), or the straight fitting (for HP10006 installations), and install into the bottom port. (HP10016 shown as reference in Figure 3).

Fittings for HP10007, HP10125 & HP10174 kits are universal.

Rotate the replacement filter head assembly and fittings to attain maximum clearance for hose routing. Tighten the filter head retaining nut as you would for a new filter installation. Position and tighten both fittings.

- 4 Using the fasteners provided, secure the remote filter head to the mounting bracket (as shown Figure 4 on following page).

HP10006 Installations Only:

Do not install a fastener in the far left hole (shown with an arrow in Figure 4). This is for mounting the bracket through the frame. (See Step 6).

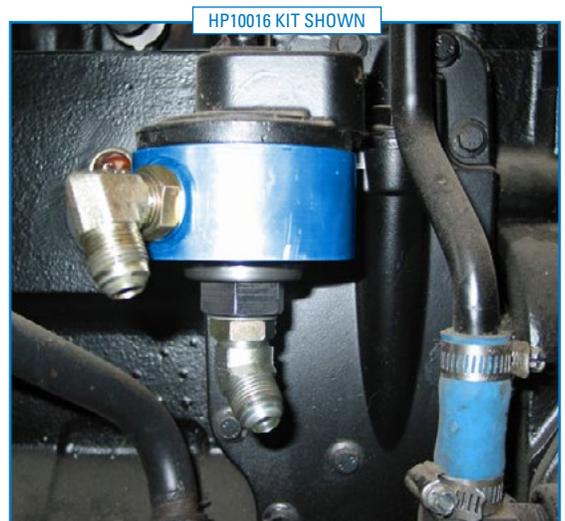
PLEASE NOTE: HP10007, HP10125, HP10174 universal kits do not provide mounting bracket or location.



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5 HP10016 Installations Only:

Install the two remaining 45° fittings into the remote filter head, keeping the protective cover on the exposed fitting end.

At the stabilizer bar, locate the 2 capscrews and remove both. Install the filter mounting bracket between the stabilizer bar clamp and the head of the capscrew.

Install the wellnut, flat washer and bolt provided, into the upper hole in the bracket and through the pre-existing hole in the frame.

Torque both sway bar capscrews to 45 ft-lbs 61 N•m and the wellnut to 35 in-lbs 3.8 N•m.

NOTE: Two different sizes of wellnuts and bolts are supplied due to variances in frames. Choose the wellnut that fits the tightest.



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6 HP10006 Installations Only:

Install the remaining 90° fitting in the outer port and the 45° fitting into the center port, keeping the protective cover on the exposed fitting ends.

At the stabilizer bar, locate the 2 capscrews and remove both. Install the filter mounting bracket between the stabilizer bar clamp and the head of the capscrew. Install the 5/16" X 3" bolt through an existing hole in the frame, then through the mounting bracket and filter head. Finally, install the nut provided.

Torque both stabilizer bar capscrews to 45 ft-lbs 61 N•m and then 5/16" fastener to 25 ft-lbs 34 N•m.



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7 Measure the length of lines required and cut the hose line provided to the desired length with a hacksaw.

The center fitting at the replacement filter head assembly goes to the center fitting at the remote filter head

The outer fitting at the replacement filter head assembly goes to the outer fitting at the remote filter head.

(HP10006 shown in Figure 7, on following page)



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- 8 With the oil supply and return lines cut to length, you now need to install the compression fittings.

Install the outer nut of the compression fitting into a vise (as shown in Figure 8), insert the end of the line turning it counter clockwise until it bottoms out, then turn it back (clockwise) ½ turn.

Apply clean engine oil to the taper and threads of the inner compression fitting then screw the nipple assembly into the outer nut using a wrench until the nipple shoulder contacts the outer nut.

Repeat on both ends of each oil line.

- 9 **VERY IMPORTANT:** Blow out the lines from each end with shop air to remove all debris. Check the volume of air exiting each to ensure no restrictions exist.

- 10 Using the diagram below as reference, route the hoses from the remote filter head to the fittings on the replacement filter head:

Connect the hose attached to the center fitting of the remote filter head to the center fitting on the replacement filter head.

Connect the hose attached to the outside fitting on the remote filter head to the outside fitting on the replacement filter head.

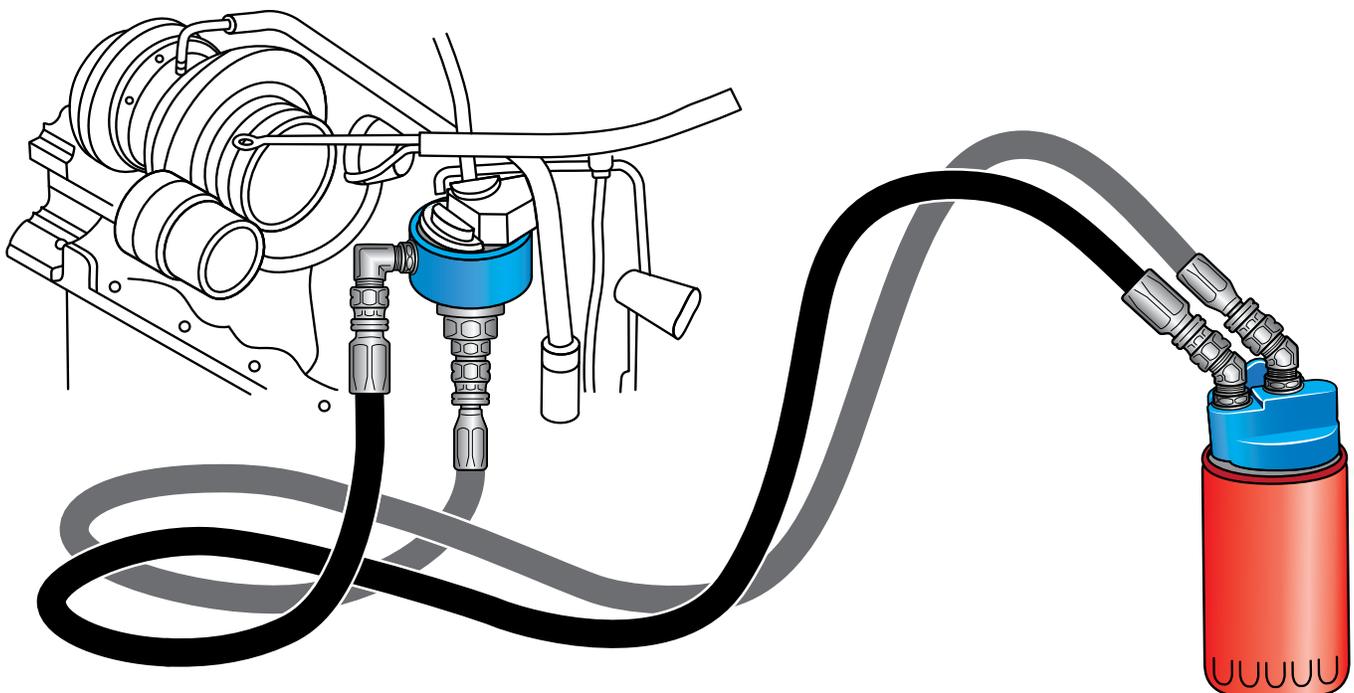
Tighten both fittings.



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NOTE: Use the supplied tie straps to secure the hydraulic lines away from heat sources and moving parts. (see Figure 10).

- 11** Install a new oil filter.

It is a good idea to fill the new oil filter with clean engine oil prior to installation.

The remote filter head is designed for use with the factory part number oil filter.

Double check all the fittings to ensure they are tightened adequately before proceeding to Step 12.

- 12** Start the vehicle and allow to idle while watching the oil pressure gauge.

Once the engine oil pressure is in the NORMAL range, check the entire system for oil leaks.

Congratulations!

You have completed the installation



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