PART NO. XD365

XDP 6.7L COOLANT FILTRATION SYSTEM

INSTALLATION MANUAL

CODE	DESCRIPTION	QTY
A	XDP Filter Base	1
B	Donaldson P554685 Coolant FIlter	1
C	Coolant Supply Line (90° Fitting)	1
D	Coolant Return Line (Tee Fitting)	1
E	Short Coolant Line	1
F	Mounting Bracket	1
G	Bolt	2
H	Lock Washer	2
I	Aluminum Stand Pipe	1
J	Aluminum Hex Block	1
K	Hex Socket Plugs	2
L	Barbed Fitting	1

STOP

BEFORE REMOVING ANY PARTS FROM YOUR TRUCK, PLEASE COMPARE THE ITEMS YOU HAVE RECEIVED WITH THE PACKING LIST PROVIDED TO VERIFY THAT YOU HAVE EVERYTHING NECESSARY TO INSTALL YOUR NEW XDP 6.7L COOLANT FILTRATION SYSTEM.

BEFORE YOU BEGIN! Ensure that the vehicle has not been in use and that the engine is cool to the touch. Always wear eye protection when working on any vehicle.

1. Remove the driver side coolant overflow tank cap. (Figure 1)

2. Drain approximately 3 gallons of coolant from the primary cooling system (This coolant drain is located on the bottom, driver side, of the radiator.)

3. Using the supplied thread seal tape (N), go over all of your threads to ensure the kit has a proper seal.

4. Attach the mounting bracket (F) to the filter base (A) with installed Donaldson P554685 Coolant Filter (B) using the two bolts (G) and lock washers (H). (Figure 2)

FIGURE 1

FIGURE 2

5 Install the supply line (C), return line (D), and one hex socket plug (K) into the filter base (A). The hex socket plug will get installed into the side of the filter base closest to the "X" in the logo. The supply line (C) with the 90° fitting, threads into the front of the filter base below the "XDP" logo. The return line (D), with the tee fitting, is threaded into the side of the filter base closest to the "P" in the logo. (Figure 3)

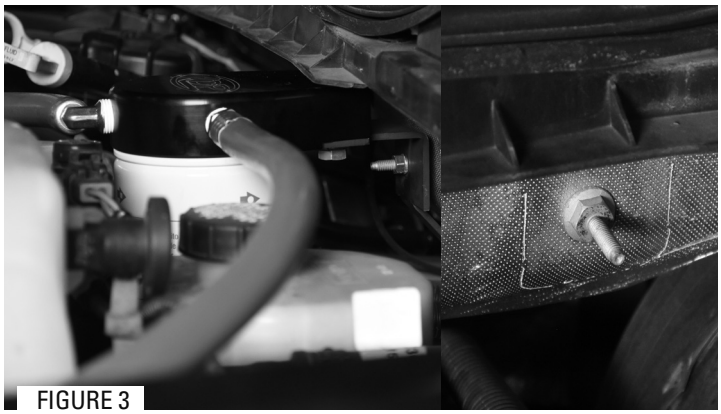
FIGURE 3

6 On the driver side firewall right below the cowl there will be a stud with a nut. Remove the nut and install the fully assembled filter base to the stud and re-use the factory nut to secure the mounting bracket to the firewall. (Figure 3)

7 Thread the aluminum stand pipe (I) into the aluminum hex block (J) and tighten.

8 Using a 19mm deep socket, remove the Engine Coolant Temperature (ECT) sensor from the coolant crossover. The sensor is located on the driver side of the engine in the coolant crossover. You will find the sesnro above the coolant pump and next to the thermostat housing. (Figure 4)


FIGURE 4

9 Thread the hex tube assembly into the area the Engine Coolant Temperature (ECT) sensor was located. Using a wrench, tighten the assembly until one of the three ports is facing directly towards the rear of the truck. WARNING: DO NOT OVERTIGHTEN THE ASSEMBLY, THIS WILL DAMAGE YOUR COOLANT CROSSOVER! (Figure 5)

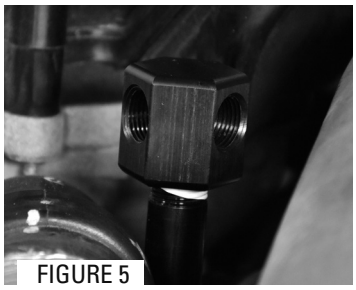
FIGURE 5

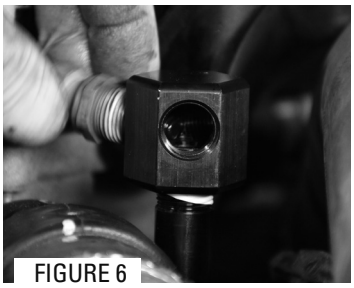
FIGURE 6

10 From the front of the truck, thread the second hex socket plug (K) into the opening facing the rear, thread the barbed fitting (L) into the opening on the left, and thread the Engine Coolant Temperature (ECT) sensor into the opening on the right. Reconnect the Engine Coolant Temperature (ECT) sensor wiring (Figure 6)

11 Connect the supply line (C), the line from the front of the filter base, to the open barbed fitting (L) on the aluminum hex block (J). Secure the line using one of the supplied hose clamps (M). (Figure 7)

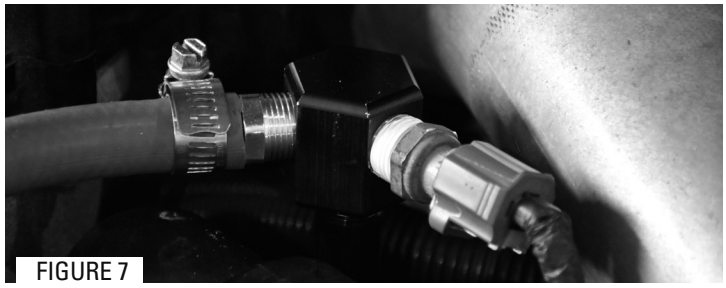
FIGURE 7

12 Route the return hose (D) from the filter base (A) to the front of the coolant overflow tank. Remove the factory hose from the coolant overflow tank and insert the tee fitting into the factory hose using the factory clamp. Install the supplied short coolant line (E) in-between the tee fitting and the tank using two of the supplied hose clamps (M). (Figure 8)

13 Ensure the Donaldson P554685 Coolant Filter (B) is tight to the filter base (A) and refill the colant system back to ford specificiations.


FIGURE 8

14 Inspect for any leaks and top off the coolant as needed.