



PART NO. XD143

## XDP COOLANT FILTRATION SYSTEM

### INSTALLATION MANUAL



CODE	DESCRIPTION	QTY
A	XDP Custom Engraved Filter Base	1
B	Bolts	2
C	Lock Washers	2
D	Coolant Filter	1
E	Coolant Supply Line	1
F	Coolant Return Line	1
G	Ball Valves	2
H	3/4 in. Hose Clamps	2
I	Short 3/4 in. Silicone Heater Hose	1
J	Thread Sealant	1
K	3/4 in. Black Aluminum Tee 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 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 Relieve the pressure from the coolant system by loosening the radiator fill cap slowly. (Figure 1)
- 2 Assemble XDP filter base to bracket with supplied hardware (Do not install filter). Install ball valves to base using thread sealant. (Figure 2)



FIGURE 1



FIGURE 2

- 3** The XDP filter base will be mounted through a stud on the left of the radiator. Find the plastic battery cable retaining clip that is slid over a 10MM stud. This must be removed prior to mounting the bracket. The Mount has a long slender portion which should go between an opening in the plastic intercooler mounting bracket. (If you have an aftermarket intercooler some modification maybe required.) (Figure 3)



FIGURE 3

- 4** Remove radiator return line and keep clamps for later use. (Line from radiator to expansion tank) (Figure 4)



FIGURE 4

- 5** Install supplied coolant return hose (3-way hose) to ball valve in base. This hose will install in place of OE hose removed in (Step 4). This hose will be routed across the fan shroud and installed using the factory clamps. Attach the short end to radiator and long end to the expansion tank. (Figure 5)



FIGURE 5

- 6** Install coolant supply line (single hose with tee fitting) to ball valve in filter base. Route the hose to your heater supply line located next to alternator on passenger side of vehicle. (Figure 6)

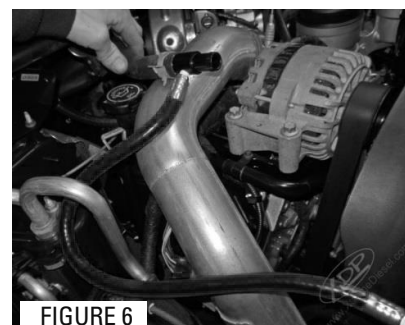


FIGURE 6

- 7** Remove factory clamp and insert tee fitting into the factory hose with the supplied section of  $\frac{3}{4}$  inch silicone hose on the other side of tee. Slide  $\frac{3}{4}$  inch silicone hose over metal tube. (Figure 7)



FIGURE 7

- 8** Re-use Your factory clamp on the same hose it was removed from and use supplied clamps to fasten hose to tee and metal coolant tube. When finished tee fitting will be in-line and plumbing is complete. (Figure 8)



FIGURE 8

- 9** Install supplied coolant filter on base, fill system per Ford specifications and start the truck. Inspect for any leaks, top off coolant as needed



**NOTE:** DO NOT DISCARD FACTORY COOLANT RETURN LINE. IN THE RARE EVENT THE SYSTEM IS REMOVED, IT WILL BE NEEDED TO RESTORE TRUCK TO FACTORY SPECIFICATIONS.

## FREQUENTLY ASKED QUESTIONS:

**Q:** HOW OFTEN SHOULD I CHANGE THE COOLANT FILTER?

**A:** INITIALLY, THE FILTER SHOULD BE CHANGED AFTER 1 MONTH OF USE. THE SECOND AND THIRD FILTER SHOULD BE CHANGED IN 3 MONTH INTERVALS. AFTER THAT THE FILTER CAN BE CHANGED ON A YEARLY BASIS.

**Q:** WHERE CAN I FIND REPLACEMENT COOLANT FILTERS?

**A:** THE XDP COOLANT FILTRATION SYSTEM COMES COMPLETE WITH AN EASY TO FIND, OFF THE SHELF DONALDSON COOLANT FILTER PART# P554685.

## DONALDSON P554685 COOLANT FILTER AVAILABLE FOR PURCHASE AT XDP.COM



PREV

NEXT



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### DONALDSON P554685 COOLANT FILTER

PART# P554685 | SKU DOP554685

★★★★★ 5.0 (13 Reviews)

VEHICLE FITMENT FOR:  
FOR USE WITH XDP COOLANT FILTRATION SYSTEM  
| SEE FULL APPLICATION LIST BELOW

CHECK IF THIS PART FITS YOUR VEHICLE

✓ IN-STOCK

QTY

- 1 +

ADD TO CART

⊕ ADD TO MY BUILD LIST