



PART NO. XD171

**XDP DURAMAX CAT ADAPTER WITH 1R-0750
FILTER, BLEEDER SCREW & SPACER
INSTALLATION MANUAL**



CODE	DESCRIPTION	QTY
A	Black Anodized CAT Filter Adapter	1
B	Adapter To Filter Head O-ring (Largest)	1
C	Internal Adapter O-ring (Thick)	1
D	Adapter Nipple O-ring (Thin)	1
E	Aluminum Bleeder Screw w/ O-ring	1
F	CAT 1R-0750 Filter	1
G	Filter Head Spacer	1
H	30MM Spacer Bolt (01-10)	2
I	45MM Spacer Bolt (11-16)	2



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 DURAMAX CAT ADAPTER WITH 1R-0750 FILTER, BLEEDER SCREW & SPACER XD171.



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 If equipped, disconnect the factory fuel heater wire located on the top of the fuel filter head.
- 2 Unplug your Water in Filter (WIF) sensor at the bottom of your factory filter. This sensor can be saved or discarded as it will not be re-installed. (Removal of the Water In Fuel (WIF) Sensor will not trigger a check engine light.) (Figure 1)
- 3 Drain and remove your factory fuel filter.
- 4 Using a 12mm wrench, disconnect the factory fuel filter head by removing the two bolts securing the filter head to the mounting bracket. (2011-2016 applications: Remove the bolt locking the coolant tube to the fuel filter bracket. Remove the two bolts above the fuel filter bracket locking the black bracket to the engine. This is going to allow clearance to install the longer bolts in Step 8.)
- 5 Install the Internal Adapter O-ring (C) on the inside of the Black Anodized CAT Filter Adapter (A), and install the larger Adapter to Filter Head O-ring in its groove on top of the Anodized CAT Filter Adapter (A). Be sure to lubricate both o-rings with a small amount of clean engine oil. (Figure 2)



FIGURE 1



FIGURE 2

- 6** Install the Adapter Nipple O-ring (D) to the Anodized CAT Filter Adapter (A) using a small amount of clean engine oil to lubricate it. Remove the factory o-ring/grommet around the check ball nipple under the factory filter housing as this may cause fitment/priming issues with the XDP CAT Filter Adapter installed. (Figure 3). Thread the Anodized CAT Filter Adapter (A) onto the factory filter head. (Hand tighten until fully sealed with the filter head.) If you feel an abnormal resistance or experience issues threading the adapter onto the filter head, call XDP's Technical Support Team for assistance 1-888-343-7354.



- 7** Inspect the adapter and filter head to be sure you have a good seal around the mating surface of the filter head.

- 8** Reattach the filter head assembly using a 1/2" wrench, the supplied Filter Head Spacer (G), and filter head spacer bolts. 2001-2010 applications will use the 30MM Spacer Bolts (H), and 2011-2016 applications will use the 45MM Spacer Bolts (I). (Figure 4)



- 9** If equipped, reconnect the factory fuel heater wire.

- 10** Lubricate the seal on the CAT 1R-0750 Filter (F), install it to the Anodized CAT Filter Adapter (A), and ensure it is tight. (Figure 5)



- 11** Replace the factory plastic air bleeder screw with the new Aluminum Bleeder Screw w/ O-ring (E). Once tight, prime the filter by depressing the priming pump 4-5 times and loosen the bleeder screw to bleed off any air in the system. You may have to do this a few times until the air is completely out of the system. (Figure 6)

- 12** Start the engine and check for any leaks. If you are having issues holding a prime, reinspect the adapter/filter mating surfaces to ensure they are tight and lubricated to ensure a good seal.

***NOTE:** Suggested Filter Service Intervals: Used as primary fuel filter - 10,000 Miles. Used as the secondary filter along with an aftermarket fuel filtration system (Airdog, FASS, Fuelab, Etc.) - 50,000 Miles.

