

Differential Oil Change

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2002 Dodge Ram w/ Cummins

My Truck has 70k on it with stock Differential oil its Suppose to be changed @ 50k so I decided I put it off long enough so i contacted [Heath](#) the Diesel Bombers Official Amsoil Dealer To land me some Amsoil And a few days later it's at the door 7 quarts of the Finest Severe Gear Amsoil 90 Weight Synthetic 150,000 MILES before I'll need to do it again!!!

I've learned a long time ago if you have to pay a little more Now its better than paying alot later , And its only the best when it comes to me having to do work ...LOL cause I'm too lazy to have to do it again .

Step 1

Preparation:



Permatex
Penetrating Oil
7 Quarts Amsoil
Differential Gaskets
Oil Applicator
3/8 Drive and Extension
1/2 Drive and extensions with a 9/16 socket
Flat Screw Driver
Hammer
Sharp Knife

Step 2

Use some good Seeping Oil and soak the differential bolts and plug



Step 3

Remove Drain Plug w/ Helper



With Plug Out {3/8 Drive Extension} Stick your finger in there and Note the Oil level this is where you're going to want to refill it

Step 4

There's No Drain Plugs Factory So Remove all the bottom bolts and ½ way up the sides, then loosen the top and upper side bolts to about ½ way out



Step 5

Drive a Flat Screw Driver between the rear end and the Differential casing



Gently Pry Out to do a somewhat controlled draining of the rear end

Step 6

Remove the Cover



Step 7

Using a Knife Cut/Scrap off all the old gasket Try not to get a bunch inside the differential



Step 8

Clean up the Case, And Remove all Gasket remains



Inspect/Clean the Magnet



All Cleaned Up



Step 9

Apply Permatex to the Differential



Step 10

Reattach Case



Step 11

Prepare The Amsoil



Fill the Differential till it just about comes out of the fill hole (About 3 ½ quarts)

Then Replace the Fill Plug and The Rear is Done .

Advanced Auto Didn't Have a Gasket for the rear in stock but they did have one for the front you get the basics of whats required Ill just put some photos of the front being done With a Gasket this time

Don't worry about the sway bar it don't affect you any



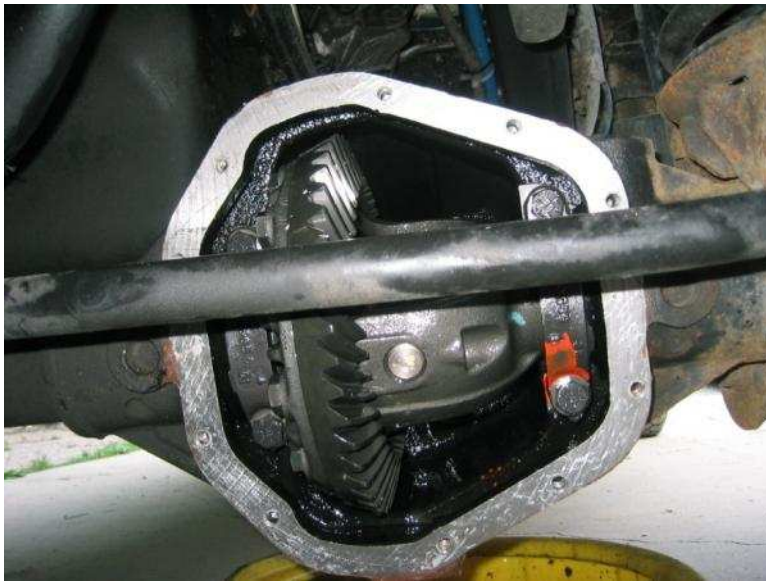
Draining



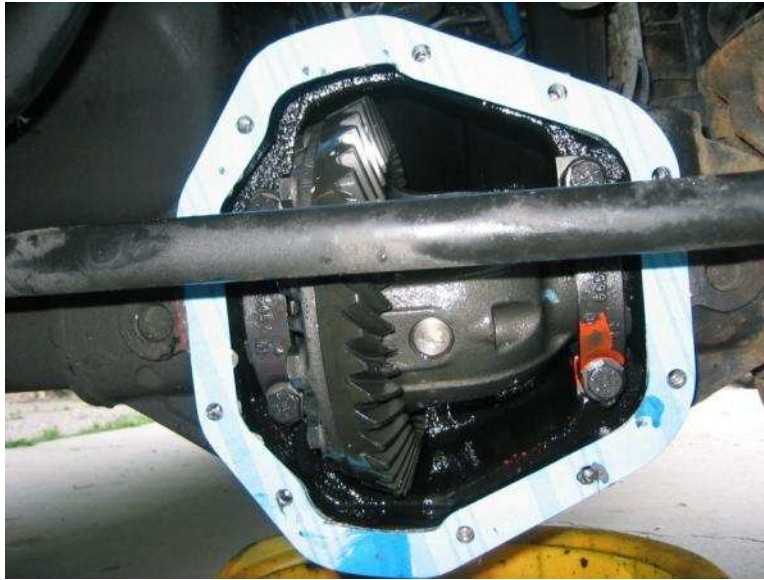
Removed



Cleaned Up



I put a coating of permatex on the front differential then put the gasket on



Then I applied a coating to the casing

Note – No Magnet on the front casing for some reason



All Back together and filled up



The End

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