

# 2008 Ford Rear Differential Cover



<http://www.dfuser.com/catalog/ford-2008-aluminum-differential-cover.php>

This write up will cover the installation of the updated 2008 differential cover onto a 2001 F250 4x4.



*Special Thanks to the sales staff at dfuser for their support and great products!*

As like most of you, I am constantly looking for something else to do to my truck. Its not that I don't like it now, but there is always something to make it better, right?

Why not do something that is going to enhance the looks of your vehicle while covering some important maintenance as well.

Obviously mine was leaking, so it was a good time to swap and replace the gasket. Everything you need, minus the oil and tools of course, comes together when ordered from [www.DFUSER.com](http://www.DFUSER.com).

#### What you get:

- The New 2008 Ford OEM Differential Cover
- All Necessary Hardware
- Ultra-Black Hi-Temp Gasket Maker

#### What you will need:

- Oil Drip Pan
- Gloves!
- 2-3 Cans of Brake and Parts Cleaner
- Flat Screwdriver
- ½" Socket or Wrench ( I used a long ratchet for leverage)
- 3/8 Square Drive for Fill Plug (ratchet or breaker bar)
- Putty Knife
- Wire Brush or Drill with Wire Wheel
- Thread Tape
- Pocket or Utility Knife
- Allen Wrench for New Hardware
- Lots of Rags
- 4 Quarts of Gear Oil (Ex. Mobil SuperSyn 75w140)



#### Let's get started!

1. Position the Oil Drip Pan under the differential. With the ½" socket, remove all of the bolts except the top two. **Only LOOSEN these.**
2. Next slowly pry the cover away from the axel using the screwdriver.



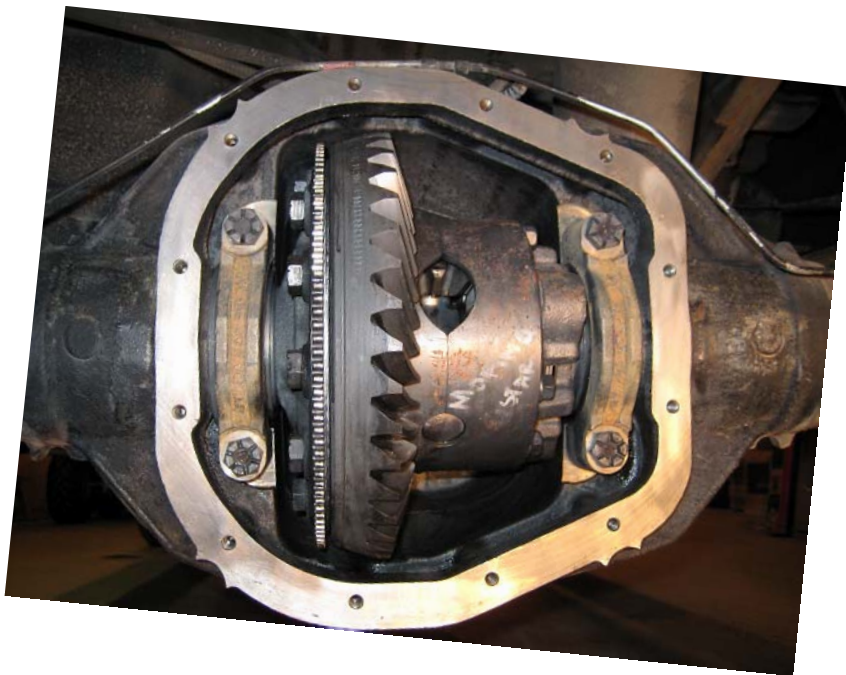
3. Allow all of the oil to drain out into your pan. Once this is done, remove the remaining two bolts and set the old cover aside.



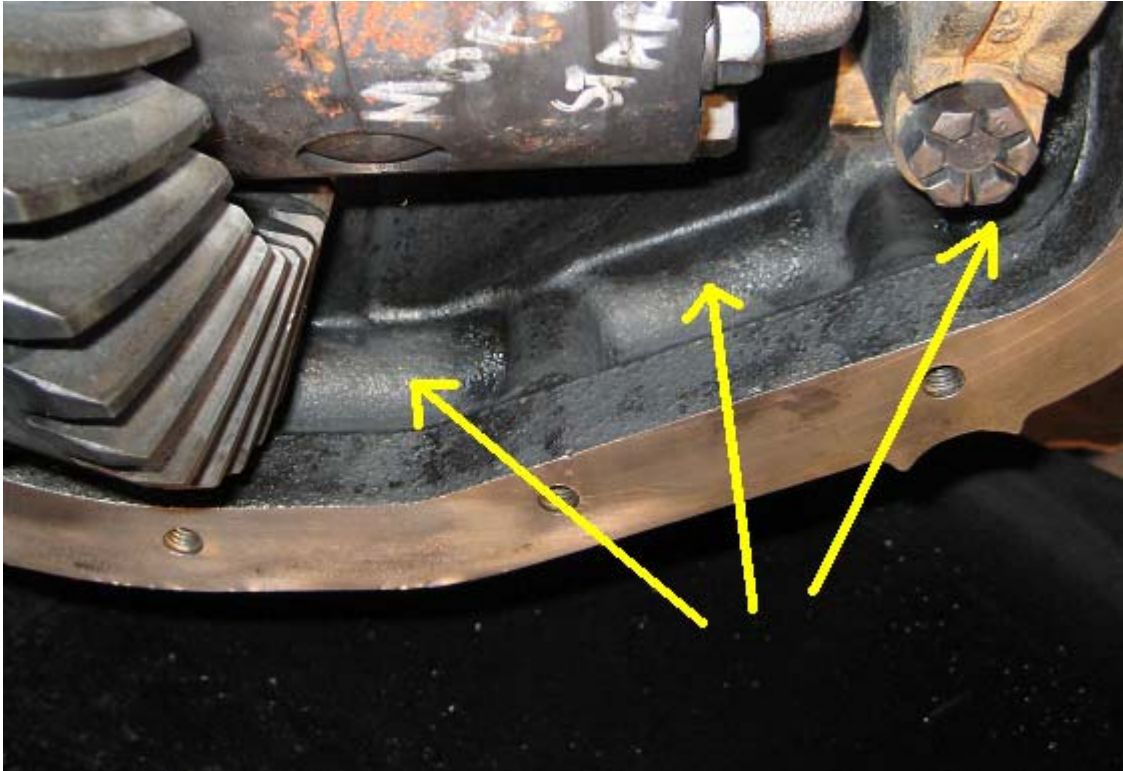
4. You are now ready to begin cleaning the inside of your differential. *Use extreme caution using the Brake and Parts Cleaner indoors, especially under your truck where fumes will accumulate.* Don't ask me how I know.



5. After the majority of the oil is cleaned from the differential, using the putty knife scrape off any bits of the old gasket that are present. Then with your wire brush or wire wheel, clean the entire mounting surface very well.



6. Next re-clean the differential to remove any possible dust and dirt that may have entered during your surface cleaning. Using the rags, soak up the Brake cleaner that is collecting in the bottom of the differential. There are small “wells” in the bottom of the differential for fluid to accumulate, make sure they are wiped out very good.



7. Now you are ready to prep the new cover for installation. Clean the inside of the new cover with a little brake cleaner and a clean rag just to remove any particles that may be stuck to it and to be sure the gasket will adhere to the mounting surface.
8. Use the Razor blade to cut the applicator on the gasket maker to the desired size of bead. Don't forget to break the seal on the tube! ***Be sure to follow the directions on the gasket compound.*** After you have applied the gasket to the cover, carefully line up the bolt holes and insert the new Stainless Steel Allen Bolts and Washers. (Two sets of hands are helpful here but not required)
9. The bolts are to be put in finger tight for the first hour or so to prevent from squishing the gasket compound out from between the surfaces.
10. During the wait, you can remove the fill plug located on the front side of the axel and clean it up before putting it back in. I used a thin layer of thread tape here to make myself feel better.



Here you can see the new Gasket.



Installing the bolts after lining up the holes.



Drain Plug taped, and the new oil ready to go.

- 11.** After you have tightened all of the bolts on the new cover, you are ready to add the oil. Mobil SuperSyn requires no additional additive to work with the limited slip differential. The tips on the quart containers make it easy to refill. Add the first 3 quarts with no hesitation, and you will only need a small amount from the 4<sup>th</sup> to top it off. Install the plug and you are done.
- 12.** It is recommended that you wait 24 hours before driving the vehicle. My installation was done in a shop that was kept at 70 degrees for the duration of the job and over night which helped the gasket compound cure faster.



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THE INSTALLATION OF THIS PRODUCT INDICATES THAT THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND ACCEPTS ITS TERMS AND CONDITIONS.

#### AFTERMARKET PRODUCTS AND YOUR VEHICLE'S WARRANTY

Many of our customers ask, "Will your product void my vehicle manufacturer's warranty?" While the answer is straightforward from a legal standpoint, we also want to educate our customers (and aftermarket Consumers) on some industry realities and offer some common sense precautions to minimize your risk.

Consumers of aftermarket products are protected by The Federal Magnusson-Moss Warranty Act. The Act states that if something breaks on your car and you take it in for warranty repair, the dealer must honor your warranty unless they can prove that whatever modifications you have added to your car actually caused the problem.

While as a consumer, you have strong legal protection with regards to your vehicle's warranty, there is also a practical reality that different automotive manufacturers and dealers have greatly varying views on aftermarket products, in particular those that produce horsepower, such as performance enhancement chips, modified intake manifolds, or aftermarket exhaust systems. There are dealers and manufacturers out there that will use the presence of a horsepower

upgrade to void your vehicle's warranty. They will do this regardless of whose product you are using. Any aftermarket company that does not acknowledge this is misleading you.

The bottom line is that while the law protects the consumer and provides for enforcement of the warranty, it is very difficult for most people to hire an attorney and fight a voided warranty. Dfuser.com recommends that you always disconnect and remove your module and monitor when you take your vehicle to a dealer for warranty work in order not to interfere with Diagnostic equipment.