



***advanced FLOW engineering***

**Instruction Manual** P/N: 46-71340B

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Dana M210 – 12 Bolt Front Differential Cover

|                   |                         |                        |  |
|-------------------|-------------------------|------------------------|--|
| Make: <b>Jeep</b> | Model: <b>Wrangler</b>  | Year: <b>2020-2025</b> | Engine: <b>L4-2.0L/V6-3.6L/V8-6.4L</b> |
| Make: <b>Jeep</b> | Model: <b>Gladiator</b> | Year: <b>2020-2025</b> | Engine: <b>V6-3.0L/V6-3.6L</b>         |



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7100.
- Ensure you have all necessary tools before proceeding.
- Ensure that your vehicle is cooled off before proceeding.
- Retain factory parts for future use.

| Label | Qty. | Description                             | Part Number |
|-------|------|---|-------------|
| A     | 1    | Differential Cover – Black              | 05-61345B   |
| B     | 1    | Plug, M18x1.5                           | 05-46018    |
| C     | 1    | O-Ring, -016                            | 03-50650    |
| D     | 1    | Screw, Sealing, M4x6mm Socket Flat Head | 03-50840    |
| E     | 12   | Screw, Socket Head M8 x 1.25 x 25       | 03-50231    |
| F     | 12   | Washer, Flat                            | 03-50228    |

Warranty Information available at <https://afepower.com/contact#warranty>



A



B



C



D



E



F

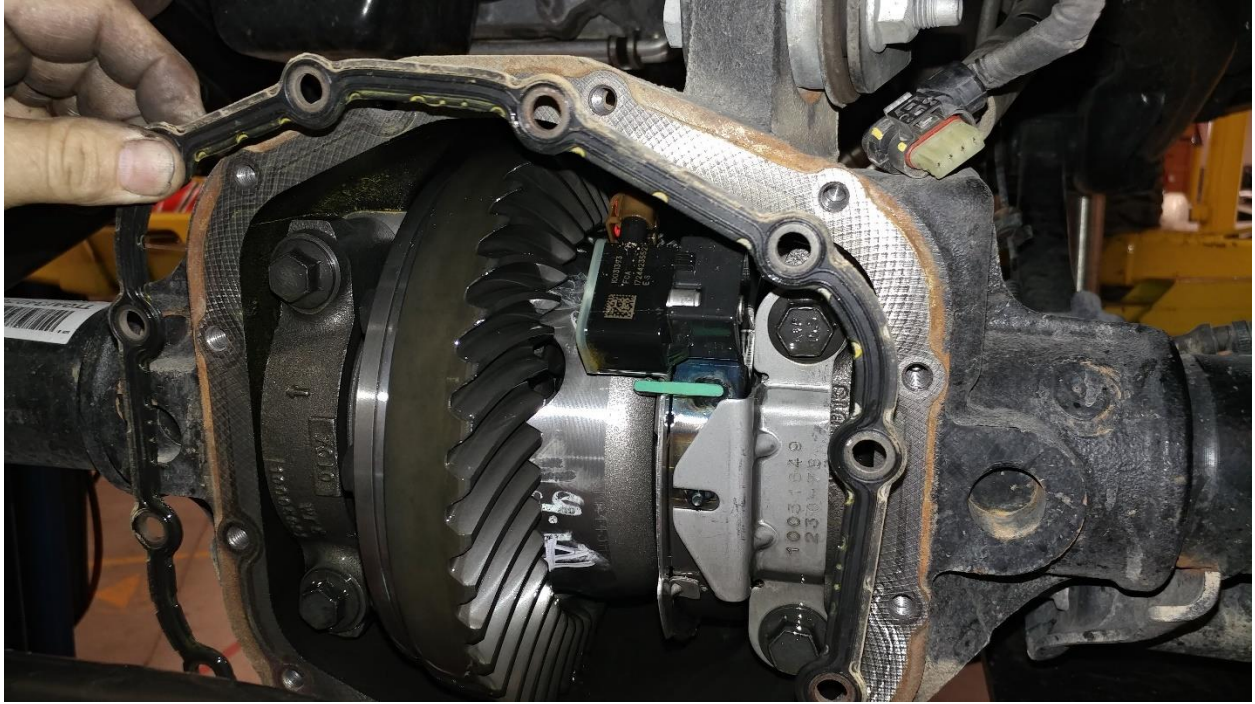


**Note: Your vehicle must be completely cooled off before proceeding with the installation.**

1. Park your vehicle on a flat, dry surface. You will need to block the tires to prevent the vehicle from rolling.

**Note: You will need to get under the truck to do this installation. Please use every precaution when lifting the vehicle.**

2. Place a drain pan under the differential cover.
3. Remove the **bottom** ten (10) bolts from the differential cover.
4. Loosen, but do not remove, the top two (2) bolts. Break the seal on the cover, allowing the gear oil to drain.

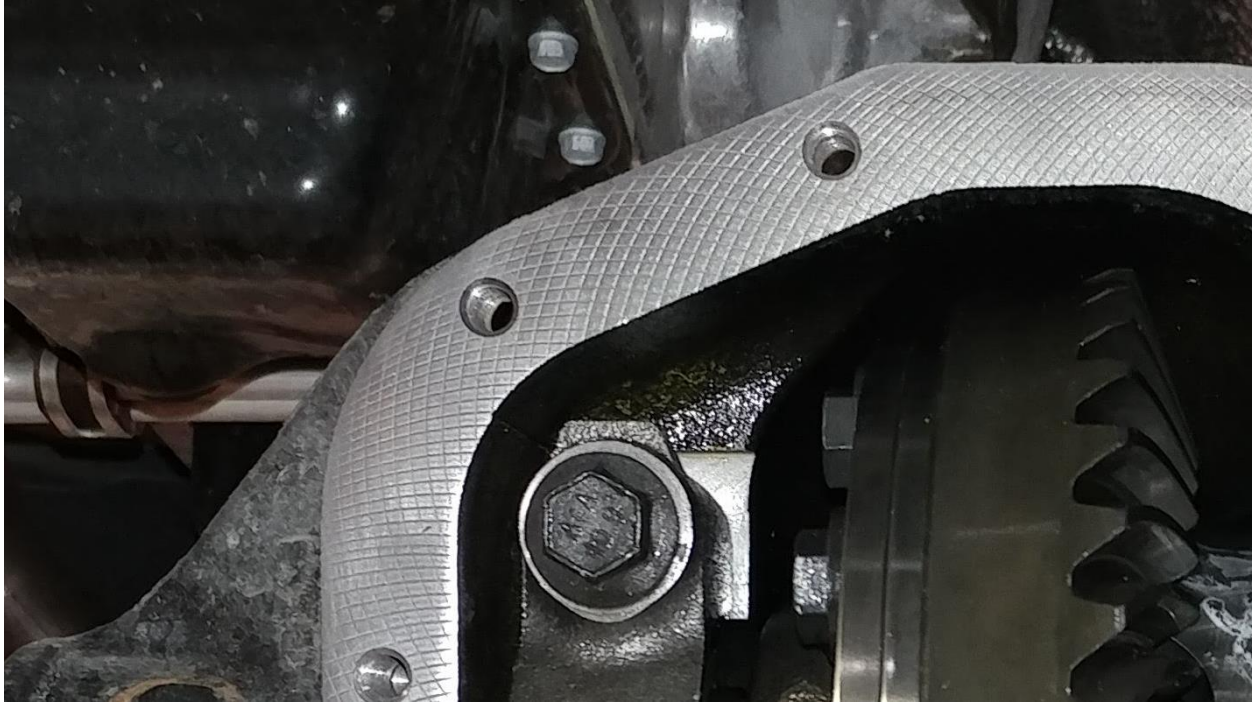


5. Remove the two (2) remaining bolts from the top of the differential cover.

**Note: Be careful when removing the OEM gasket, it will be reused later during the installation.**

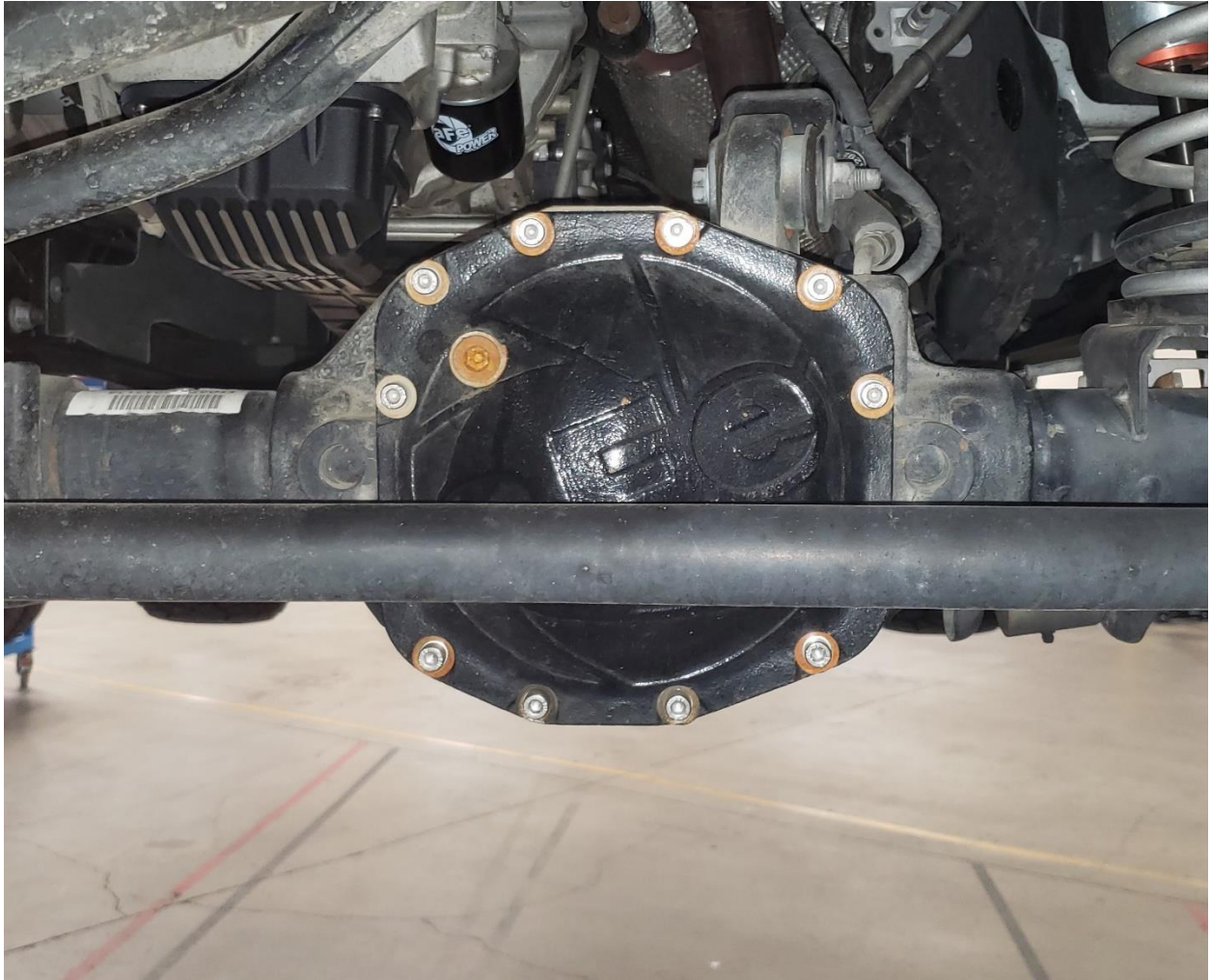
6. Remove the OEM cover and gasket from the housing.





7. Use a clean, lint free rag to wipe down the remaining gear oil from the housing.
8. Clean off the sealing surface with a gasket scraper. Be careful not to gouge the surface while cleaning.
9. Check the surface of the housing for any irregularities. If there are any, carefully remove high spots using a smooth flat file.

**Note: Be careful when removing the OEM gasket, it will be reused later during the installation.**



10. Hold the OEM gasket and supplied aFe differential cover into position, aligning the screw holes. Install one (1) of the supplied M8x1.25x25 socket head screws and flat washers at the top of the cover to hold it in place.
11. Continue installing the remaining M8x1.25x25 socket head screws and flat washers finger tight.
12. Torque all of the M8x1.25 socket head mounting bolts to 12-16 ft.-lbs. in a crisscross pattern and then the M8x1.25 nut to 8 ft.-lbs.

**Note: Verify that the brake line will not be in contact with the cover or Panhard bar during suspension travel. Adjust the position of the hex nuts and/or brake line if needed.**

13. Using the top fill port, fill the aFe differential cover with new gear oil. Fill until gear oil runs out of the 4mm port on the face of the cover (about 1 ½ quarts).

**Note: If your vehicle is lifted and your axle has been rotated, you will have to verify you have the correct oil level for your vehicle.**

14. Install the M4 Sealing Screw into the face of the cover



15. Apply gear oil to the provided -016 O-Ring, then install it on the provided M18x1.5 plug.
16. Install the M18x1.5 plug into the fill/level port. Torque the plug to 15 ft.-lbs.
17. Your installation is complete.



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***advanced FLOW engineering, inc.***

252 Granite Street Corona, CA 92879

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