

## ***advanced FLOW engineering***

### **Instruction Manual P/N: 46-71260A / 46-71260B**

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#### **AAM 11.5/12.0 – 14 Bolt Rear Differential Cover**

Make: <b>GM</b>	Model: <b>Silverado/Sierra 2500 HD</b>	Year: <b>2020</b>	Engine: <b>V8 – 6.6L</b>
Make: <b>GM</b>	Model: <b>Silverado/Sierra 3500 HD</b>	Year: <b>2020</b>	Engine: <b>V8 – 6.6L</b>
Make: <b>GM</b>	Model: <b>Silverado/Sierra 2500 HD</b>	Year: <b>2020</b>	Engine: <b>V8 – 6.6L (td)</b>
Make: <b>GM</b>	Model: <b>Silverado/Sierra 3500 HD</b>	Year: <b>2020</b>	Engine: <b>V8 – 6.6L (td)</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
A1	1	Differential Cover – Raw, Machined Fins (46-71260A)	05-61039A
A2	1	Differential Cover – Black, Machined Fins (46-71260B)	05-61039B
B	14	Screw, Socket Head M8x1.25x30	03-50225
C	3	Screw, Socket Head M8x1.25x40	03-50245
D	17	Washer, Flat	03-50228
E	1	Washer, Crush M12	03-50384
F	3	Spacer	03-50529
G	1	Plug, 1/8" NPT	03-50029
H	1	Plug, 3/4" NPT (Included in 46-71260A)	03-50391
I	1	Plug, Magnetic 3/4" NPT, 6" Deep Reach (Included in 46-71260B)	03-50223
J	1	Plug, 1" NPT (Included in 46-71260A)	03-50390
K	1	Plug, 1" NPT Sight Glass (Included in 46-71260B)	03-50224
L	1	Plug, Magnetic M12x1.25	03-50385



A1



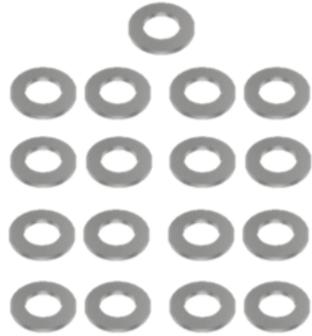
A2



B



C



D



E



F



G



H



I



J



K



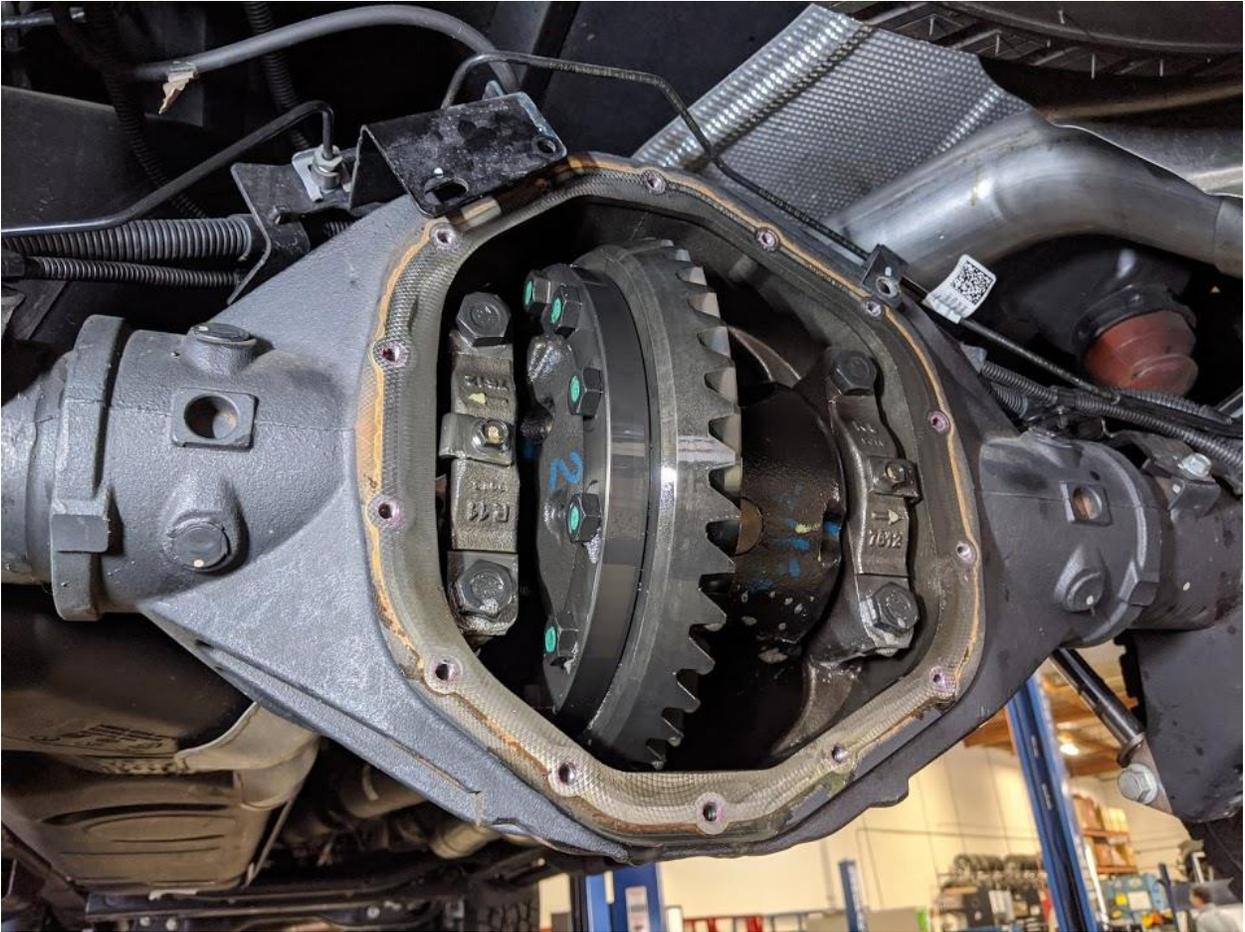
L



1. Park your vehicle on a flat, dry surface. You will need to block the tires to prevent the vehicle from rolling.
2. Place a drain pan under the differential cover.

**Note: If your differential housing has a bottom drain plug, you may remove it now to begin draining oil.**

3. If applicable, remove the two (2) nuts holding on the brake line bracket and remove the bracket.
4. If applicable, remove the push nut and brake cable retention pad from the right side of the cover.
5. Remove all but the top bolt from the differential cover.
6. Loosen, but do not remove, the top bolt. Break the seal on the cover and the gear oil will begin to drain.



7. Allow all of the gear oil to drain from the differential.
8. Remove the remaining bolt from the top of the differential cover.
9. Remove the OEM cover from the housing.
10. Carefully remove the OEM gasket, ensuring not to damage it.

**Note: Reinstall the bottom drain plug now if removed before Step 3.**



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

**Note: Do not "Round Off" the flat gasket surface.**



14. Line up the gasket removed in Step 10 to the supplied aFe differential cover.



15. Hold the aFe differential cover and gasket in position, aligning the screw holes. Install one (1) of the supplied M8x1.25x30 socket head screws and flat washers into the top of the cover to hold it in place.



16. If applicable, reinstall the brake line bracket using two (2) supplied M8x1.25x40 socket head screws, two (2) spacers, and four (4) flat washers.



17. If applicable, reinstall the brake line cable retention pad using one (1) M8x1.25x40 socket head screw, one (1) spacer, and two (2) flat washers.
18. Continue installing the remaining M8x1.25x30 socket head screws and flat washers finger tight.
19. Torque the mounting screws to 12-16 ft. -lbs. in a crisscross pattern.



20. Install the supplied M12x1.25 drain plug and crush washer into the bottom of the cover.

**If installing kit number 46-71260A:**

21a. Install the supplied 1" NPT plug into the side of the cover.

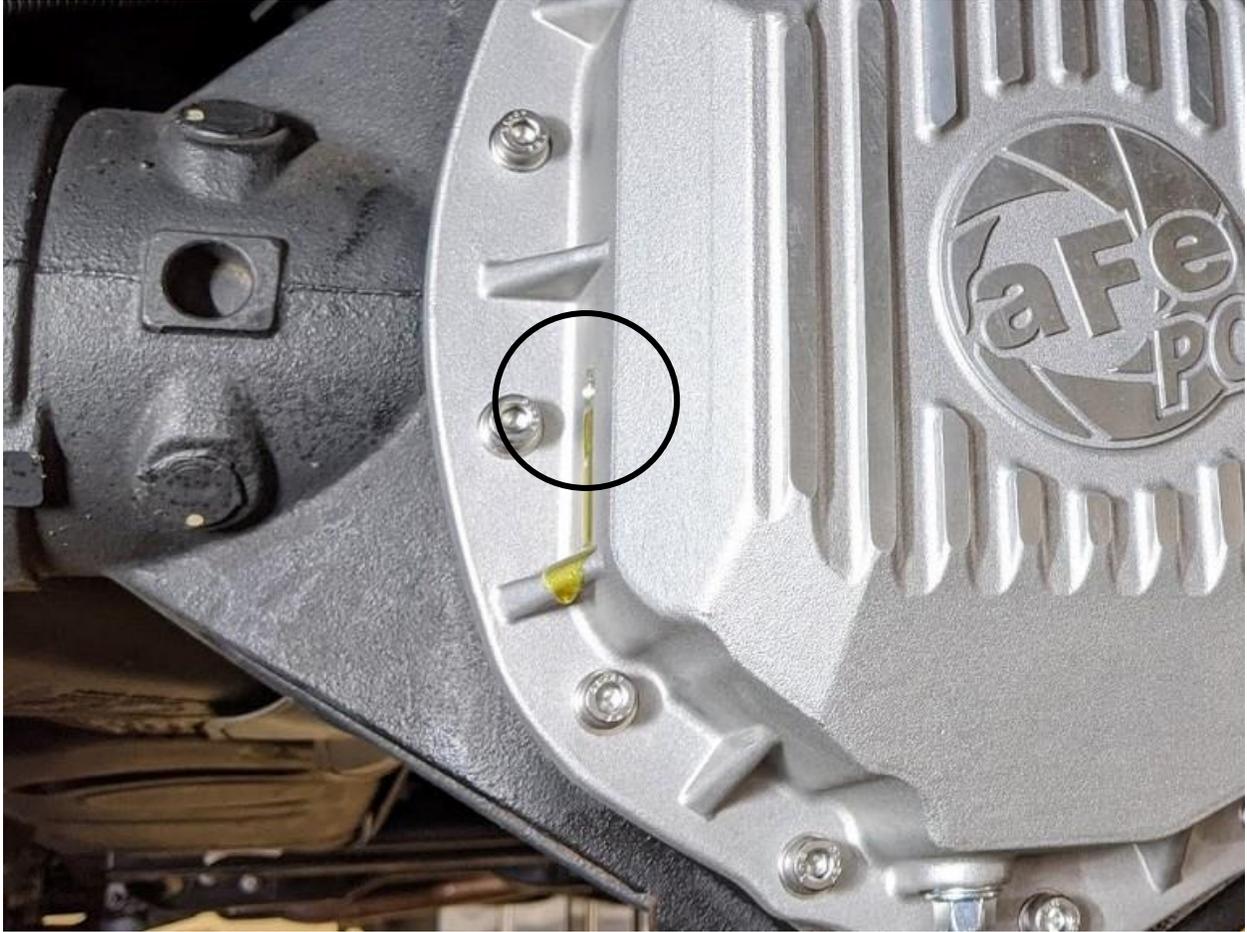
**If installing kit number 46-71260B:**

21b. Apply Teflon pipe sealant to the threads and install the supplied 1" NPT Sight Glass plug into the driver side of the cover.

**Note: For all NPT plugs, secure 1.5-3 turns past finger tight. The fitting should never bottom out in the port.**



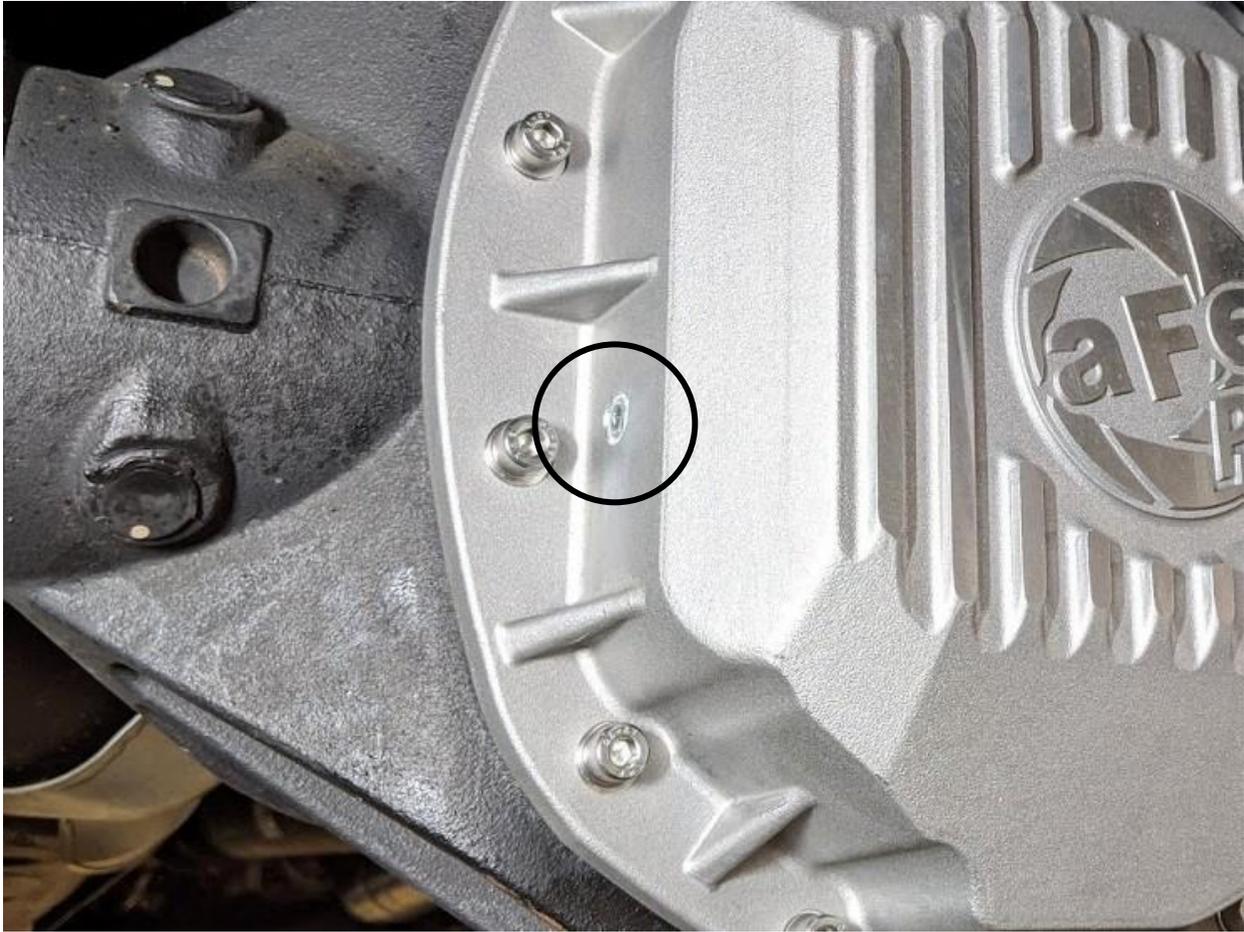
22. Apply Teflon pipe sealant to the threads of the supplied 1/8" NPT plug.



**Note: Place a drain pan under the differential cover before refilling.**

23. Using the top fill port, fill the aFe differential cover using new gear oil. Fill until gear oil runs out of the 1/8" NPT port on the side of the cover (about 4 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.**

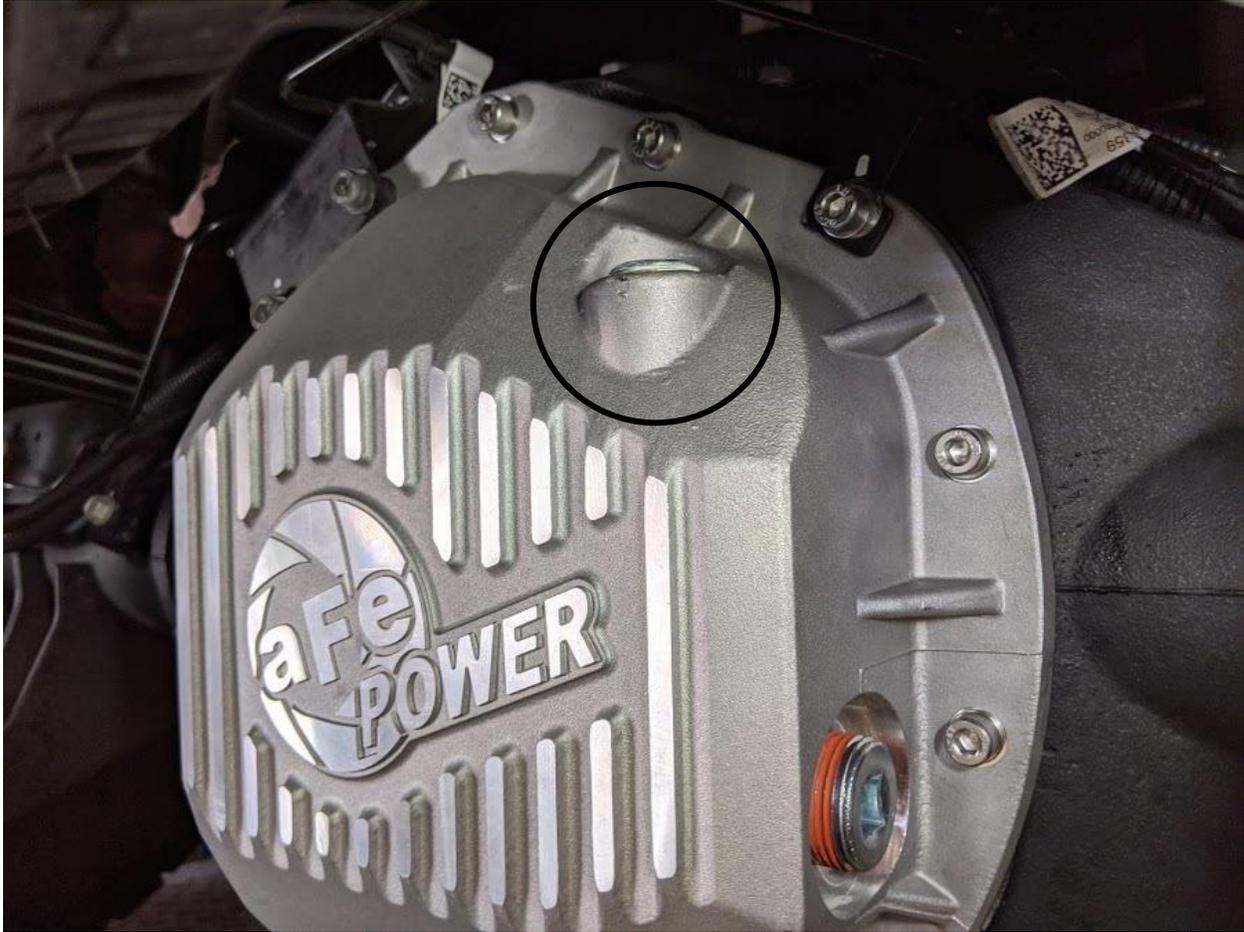


24. Install the 1/8" NPT plug into the side of the cover.



**If installing kit number 46-71260B:**

25. Apply Teflon pipe sealant to the threads of the supplied 3/4" NPT magnetic 6" deep reach plug.



**If installing kit number 46-71260A:**

26a. Install the supplied 3/4" NPT plug into the top of the cover.

**If installing kit number 46-71260B:**

26b. Install the 3/4" NPT magnetic 6" deep reach plug into the top of the cover.

27. Your Installation is complete.

# Warranty

## General Terms:

- aFe warrants our products to be free from manufacturer's defects due to workmanship and materials.
- The warranty period begins on the original invoice date and covers the applicable period listed below.
- This warranty applies only to the original purchaser of the product and is non-transferrable.
- Proof of purchase of the aFe product is required for all warranty claims.
- Warranty is valid provided aFe instructions for installation and/or cleaning were properly followed.
- Proper maintenance with regular inspections of product is required to insure warranty coverage.
- Damage due to improper installation, abuse, unauthorized repair or alteration is not warranted.
- Incidental or consequential damages or cost, including installation and removal of part, incurred due to failure of aFe product is not covered under this warranty.
- All warranty is limited to the repair and/or replacement of the aFe product.
- All products sold under aFe's Private Label Program do not carry an aFe warranty.
- All items purchased labeled "Closeout" or "Overstock" or "Extra Savings" are final sale. No returns will be accepted.
- All items listed as "Race Only" are not covered by aFe's warranty.

<b><u>Product Category</u></b>	<b><u>P/N Prefix</u></b>	<b><u>Warranty duration</u></b>
Racing Filters	18	1 year
Pre-Filters	28	2 years
Fuel Systems	42	Life of the Vehicle
Torque Converters	43	2 years
Fluid Filters	44	90 days
Catalytic Converters	47	2 years
Headers	48	2 years
Exhaust Systems	49	2 years
Heavy Duty OE Replacement	70	2 years
Tuners / Modules	77 (Ex. 77-1)	1 year
Power Sports Intake Systems	85	2 years
Direct OE Replacement Filters	10, 11, 30, 31, 71, 73	Life of the Vehicle
Suspension – Direct Fit	37, 1XX, 2XX, 3XX, 4XX, 5XX, 7XX, 8XX	1 year
Suspension – Universal Fit	5XXXX, 6XXXX	90 Days
Oil Coolers	46-8	2 years
Universal Filters	20, 21, 23, 24, 72, TF	2 years
Intake Manifolds	46-1	2 years
Intercooler & Intercooler Tubes	46-2	2 years
Throttle Body Spacers	46-3	2 years
Exhaust Manifolds	46-4	2 years
Radiators	46-5	2 years
Turbochargers	46-6	2 years
Differential Covers	46-7	Life of the Vehicle
EGR	46-9	2 years
Air Intake Systems	5X, 75, F1, F2, TA, TL, TM, TR	2 years
Sprint Boosters	77-1	3 years
Scorpion Grilles	79-2	Structure: Lifetime / Finish: 3 years
Power Sports OE Replacement	81, 87	2 years
All Other Products Excluding Marketing and Chemicals		1 year

No other warranty expressed or implied applies nor is any person or advanced FLOW engineering authorized to assume any other warranty. Some States do not allow the exclusion or limitation of incidental or consequential damages or do not allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

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