



advanced FLOW engineering

Instruction Manual P/N: 46-70070 / 46-70072

Make: **GM** Model: **Diesel Trucks** Year: **2001-2018** Engine: **V8-6.6L (td) / 8.1L**
Transmission: **Allison A1000 Transmission**



- 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.
- Do not attempt to work on your vehicle when the engine is hot.
- Disconnect the negative battery terminal before proceeding.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Transmission Pan - Black, Machined Fins (46-70072)	05-60262
A2	1	Transmission Pan - Raw, Machined Fins (46-70070)	05-60262A
B	1	Plug, Hex Head Socket, 1/8" - 27 NPT (Zn Plt)	03-50029
C	1	Plug, Square Socket Head, 3/4" - 14 NPTF Magnet	03-50222
D	12	Flat Washers	03-50228
E	12	Socket Head Cap Screws	03-50379
F	1	Transmission Filter	R44-TF006

Tools needed: 15mm Socket, 13mm Socket, 1/2" Drive Ratchet, 3/16" Allen Wrench, 6mm Long Reach Allen Wrench, 1/2" Torque Wrench, 4 more quarts of Dexron VI than stock.



A1



A2



E



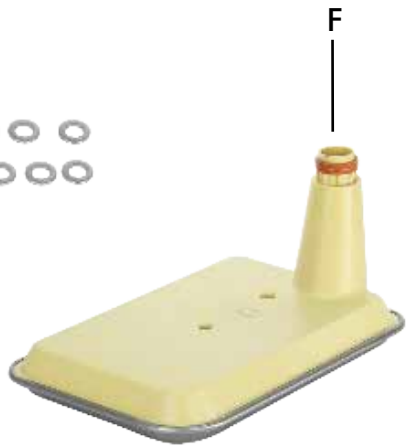
C



B



D



F



Figure A

Refer to Figure A for Steps 1-2

Step 1: Park your truck on level ground and apply the parking brake.

Step 2: Position a drain pan under the transmission pan.



Figure B

Refer to Figure B for Steps 3-4

Step 3: Begin by removing drain plug using a 15mm socket and drain the transmission fluid.

Step 4: Reinstall drain plug once you have drained all of the fluid.



Refer to Figure C for Step 5

Step 5: Loosen the transmission pan bolts with a 13mm socket and remove the stock pan.

Note: Retain the gasket for later use.

REMOVAL



Figure D

Refer to Figure D for Step 6

Step 6: Gently remove the stock oil filter and ensure the orange o-ring gasket did not come off the neck of the filter and stay in the transmission.



Figure E

Refer to Figure E for Step 7

Step 7: Install the supplied transmission filter.



Figure F

Refer to Figure F for Step 8

Step 8: Apply Teflon tape to the threads of the drain plug and temperature sensor plug included.



Figure G

Refer to Figure G for Step 9

Step 9: If you have a temperature sensor skip this step. Install the 1/8" NPT plug on the back of the aFe transmission pan.



Refer to Figure H for Step 10

Step 10: Install the drain plug using a ½” drive ratchet on the bottom of aFe transmission pan.

**Figure I****Refer to Figure I for Steps 11-13**

Step 11: Install the aFe transmission pan and original gasket by aligning the screw holes and threading all the allen cap screws in a few turns. Continue around the bolt pattern until all 15 screws and washers are installed and finger tight.

Step 12: Using a 6mm long reach hex bit and a 3/8 drive torque wrench, torque the allen cap screws to 15 ft.-lbs. in a cross tight pattern.

Step 13: If you have a temperature sensor it should be installed now.



Figure J

Refer to Figure J for Steps 14-15

Step 14: Refill the aFe transmission pan using new Dexron VI transmission fluid. Keep in mind the aFe transmission pan holds about 3.5 quarts more than stock.

Step 15: Reinstall the transmission dip stick and check the transmission fluid level per the manufacturer's instructions. Failure to do so could cause transmission damage.

*Verify all connections are secure 100-200 miles after installation



Transmission Filter



P/N: 44-TF006 (Deep Pan)
44-TF009 (Shallow Pan)

Diesel Fuel System



P/N: 42-14021 (Full-time)
42-14022 (Boost)

Fuel Filter



P/N: 44-FF011

Exhaust Manifold



P/N: 46-40024

Rear Differential Cover



P/N: 46-70012 (Blk/Mach.)
46-70010 (RAW)

F3 Torque Converter



P/N: 43-14011

SCORCHER HD Module



P/N: 77-44005 (LB7)
77-44006 (LLY/LBZ/LMM)
77-44007 ('11-'14 LML)
77-44008 ('15-'16 LML)

Transmission Filter



P/N: 44-TF001

Oil Cap



P/N: 79-12002

Oil Filter



P/N: 44-LF001

To purchase any of the items above, view airflow charts, dyno graphs, photos, and video; please go to aFepower.com.

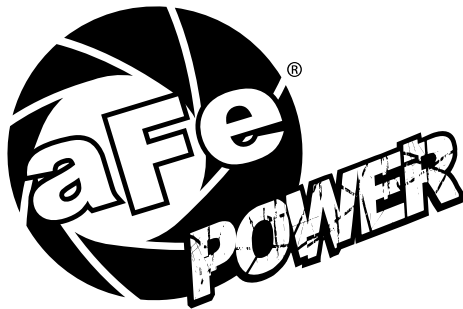
Warranty

General Terms:

- aFe warrants their products to be free from manufacturer's defects due to workmanship and material.
- This warranty applies only to the original purchaser of the product and is nontransferable.
- 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 part. To request Return Goods Authorization ("RGA"), email RGA@afepower.com or call (951)493-7100. Upon receipt of the RGA, you must return the product to the address provided in the RGA, freight prepaid and accompanied with a dated proof of purchase and the RGA. Upon receipt of the defective product and upon verification of proof of purchase, aFe will either repair or replace the defective product within a reasonable time, not to exceed thirty days.

Product Category	P/N Prefix	Warranty duration
Direct OE Replacement Filters	10, 11, 30, 31, 71, 73	Life of the vehicle
Racing Filters	18	1 year
Universal	21, 24, 72	2 years
Air Intake Systems	50, 51, 54, 55, 75	2 years
Exhaust Systems	49	2 years
Intercoolers & Intercooler Tubes	46-2	2 years
Intake Manifolds	46-1	2 years
Differential Cover	46-7	Life of the vehicle
Exhaust Manifolds	46	2 years
Throttle Body Spacers	46-3	2 years
Fluid Filters	44	90 days
Pre-Filters	28	2 years
Heavy Duty OE Replacement	70	2 years
PowerSports OE Replacement	81, 87	2 years
PowerSports Intake Systems	85	2 years

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.



advanced FLOW engineering, inc.
252 Granite Street Corona, CA 92879
TEL: 951.493.7155 • TECH: 951.493.7100
E-Mail: Tech@aFepower.com