

advanced FLOW engineering

Instruction Manual P/N: 46-70050 / 46-70051 / 46-70052

Make: **Dodge** Model: **RAM 2500/3500** Year: **1994-2007** Engine: **L6-5.9L (td)**



- 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	Trans. Pan - Black Fins (46-70051)	05-60064
A2	1	Trans. Pan - Black, Machined Fins (46-70052)	05-60065
A3	1	Trans. Pan - Raw, Machined Fins (46-70050)	05-60065A
B	1	Plug, Square Socket Head, 3/4" - 14 NPTF Magnet	03-50222
C	1	Plug, Hex Hd Socket 1/8 NPT	03-50029
D	14	Screws, Socket Hd 5/16-18 x 1.0	03-50227
E	14	Flat Washers	03-50228
F	1	Filter Extension	05-60117
G	2	Screw, Round Hd #10-24 x 4	03-50243
H	1	O-Ring	05-60119
I	1	Trans. Filter	44-TF004

Installation will require the following tools:

T25 Bit and driver, flat head screw driver, 1/2" socket, 1/4" Allen bit w/ 3/8" ratchet drive, Ratchet, 3/8" Drive torque wrench, 1/2" Drive torque wrench, 3/16 Allen key & Oil Drain pan (12 Qt. Capacity)

Note: A gasket is not included with the aFe Transmission pan. The Dodge OE part number for the gasket is 2464324. This Dodge OE Gasket is also available from the aFe and sold separately (P/N 46-70055).

A1



A2



A3



F



H

B



C

D



E



G



Refer to Figure A

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

Step 3: Begin by loosening the 7 screws on the rear of the transmission pan using a 1/2" socket and 3/8 ratchet drive. DO NOT remove screws

Step 4: Now loosen the 7 screws on the Front side of the transmission pan. DO NOT remove screws

Step 5: Carefully pry the pan to break the seal to start draining the fluid.



Refer to Figure C

Step 6: Begin removing the screws one by one from the rear to the front of the pan to let more fluid drain out.

Step 7: Once you have the majority of the fluid drained out and all screws removed, pull the cover off of the vehicle.



Figure D

Refer to Figure D

Step 8: Once the transmission pan is removed, check the mounting surface for any irregularities. Should there be any, carefully remove the high spots using a smooth flat file. DO NOT “ROUND OFF” THE FLAT GASKET SURFACE!

Step 9: Remove the transmission filter by removing the 2 screws holding the filter on (circled in white) using a T25 bit and driver.

**Figure E****Refer to Figure E**

Step 10: With the O-ring facing up, place the extension block onto the transmission filter.

Note: There are two types of filters available, one with three install holes and the newer filter has two install holes. If you have the filter with three install holes, grind or cut off 1/8-in of the stock screw and install it into the hole that is not being used by the extension block. It is needed to secure the valve body in place.



Figure F

Refer to Figure F

Step 11: Install the new filter and extension block as shown (torque to 35 in.-lbs.).



Figure G

Refer to Figure G

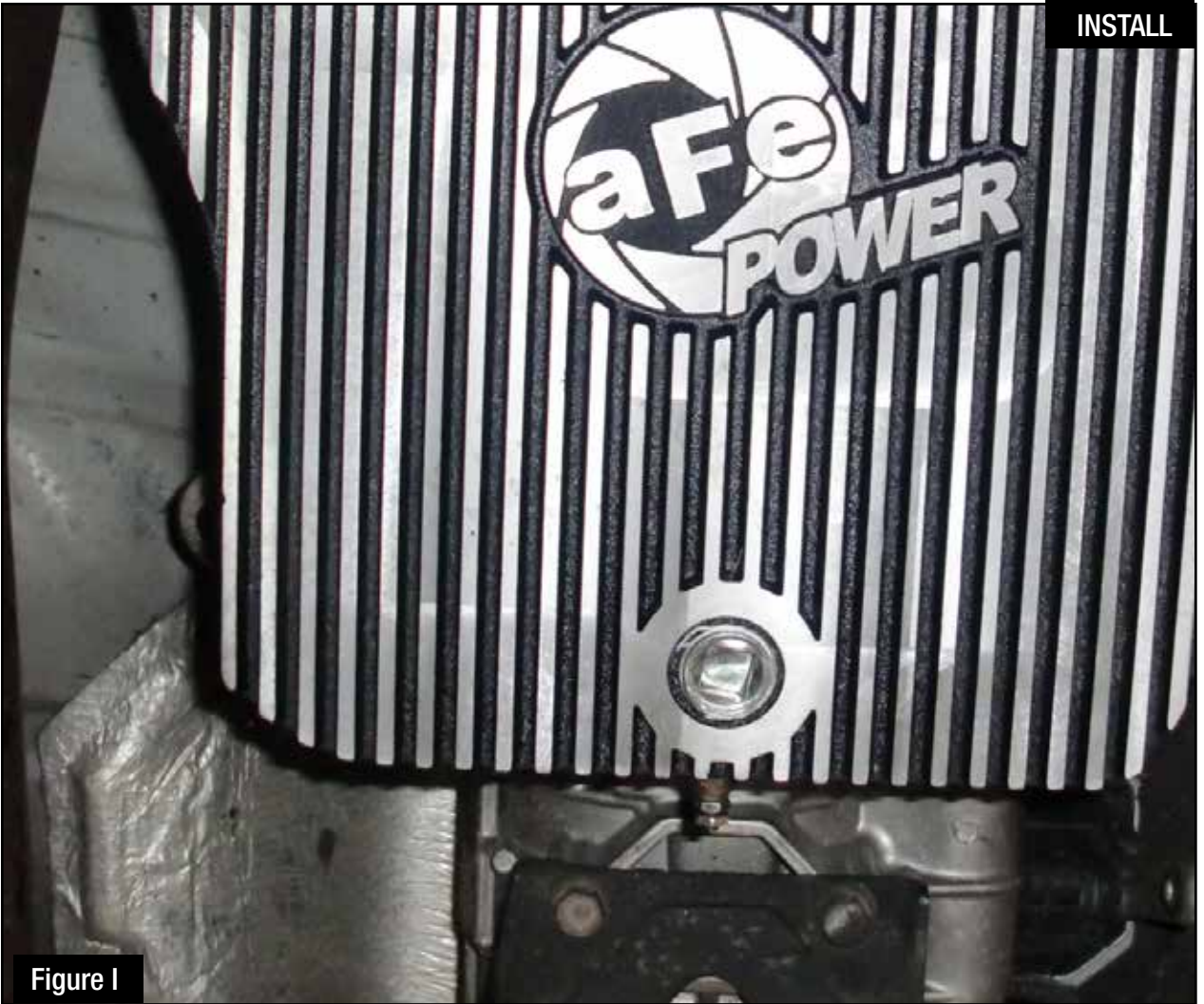
Step 12: Apply teflon pipe sealant tape on the threads of all the plug components before installing.



Figure H

Refer to Figure H

Step 13: If you are planning on installing a temperature sensor, leave this hole open. If not install your 1/8" NPT plug to seal it off. (torque to 30 in.-lbs.).

**Figure 1****Refer to Figure 1**

Step 14: Install the drain plug on the bottom of the aFe transmission pan (torque to 50 ft.-lbs.).



Figure J

Refer to Figure J

Step 15: Now align your transmission pan gasket with holes on the pan.

Note: A gasket is not included with the aFe Transmission pan. The Dodge OE part number for the gasket is 2464324. This Dodge OE Gasket is also available from the aFe and sold separately (P/N 46-70055).

**Figure K****Refer to Figure K**

Step 16: Place the aFe transmission pan into position aligning the screw holes and install a screw and washer into each of the corners of the pan to secure it from falling.

Step 17: Continue installing until all 14 screws and washers are installed and finger tight.

Step 18: Torque the mounting screws down to 16 ft.-lbs. in a criss cross pattern.

INSTALL



Figure L

Refer to Figure L

Step 19: If you are going to install a temperature sensor, do so at this time before you add fluid. Be sure to use all-purpose anti-seize on the sensor threads.

**Figure M****Refer to Figure M**

Step 20: Remove the dipstick and refill the aFe transmission pan with new transmission fluid. Remember your new aFe pan holds about 4 quarts more than stock (Fill to full line on dipstick).

Step 21: When your fluid level is reached, be sure to install your transmission dip stick.



Figure N

Refer to Figure N

Step 22: Your installation is now complete. Verify all connections are secure before driving.

NOTE: Retighten all connections after approximately 100-200 miles.

F3 Torque Converter



P/N: 43-12011

Intercooler Tubes



P/N: 46-20064-B

Transmission pan Gasket



P/N: 46-70055

Exhaust Manifold



P/N: 46-40044

Differential Cover



P/N: 46-70033

Air Intake



P/N: 75-80072GS

Intercooler



P/N: 46-20062

Exhaust System



P/N: 49-42033-B

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

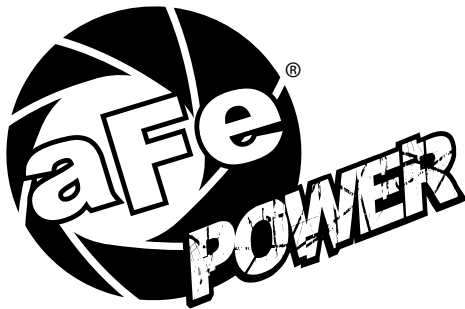
Warranty

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 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 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/ Transmission Pan	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: 951.493.7100 • TECH: 951.493.7100 x23

E-Mail: Tech@aFepower.com

P/N: 06-80470