



advanced FLOW engineering

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

Make: **GM** Model: **Diesel Trucks** Year: **2001-2015** Engine: **V8-6.6L**



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- 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, Machined Fins (46-70072)	05-60262
A2	1	Trans. 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	Trans. 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



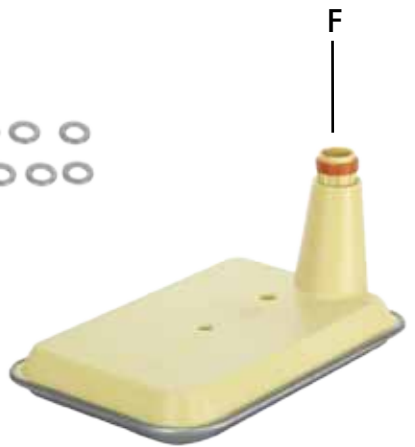
C



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.

REMOVAL



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.



REMOVAL

Figure D

Refer to Figure D for Step 6

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

INSTALL



Figure E

Refer to Figure E for Step 7

Step 7: Install the Allison A1000 Deep Pan Sump Filter, part number 29537965. Failure to do so will cause transmission failure.



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.

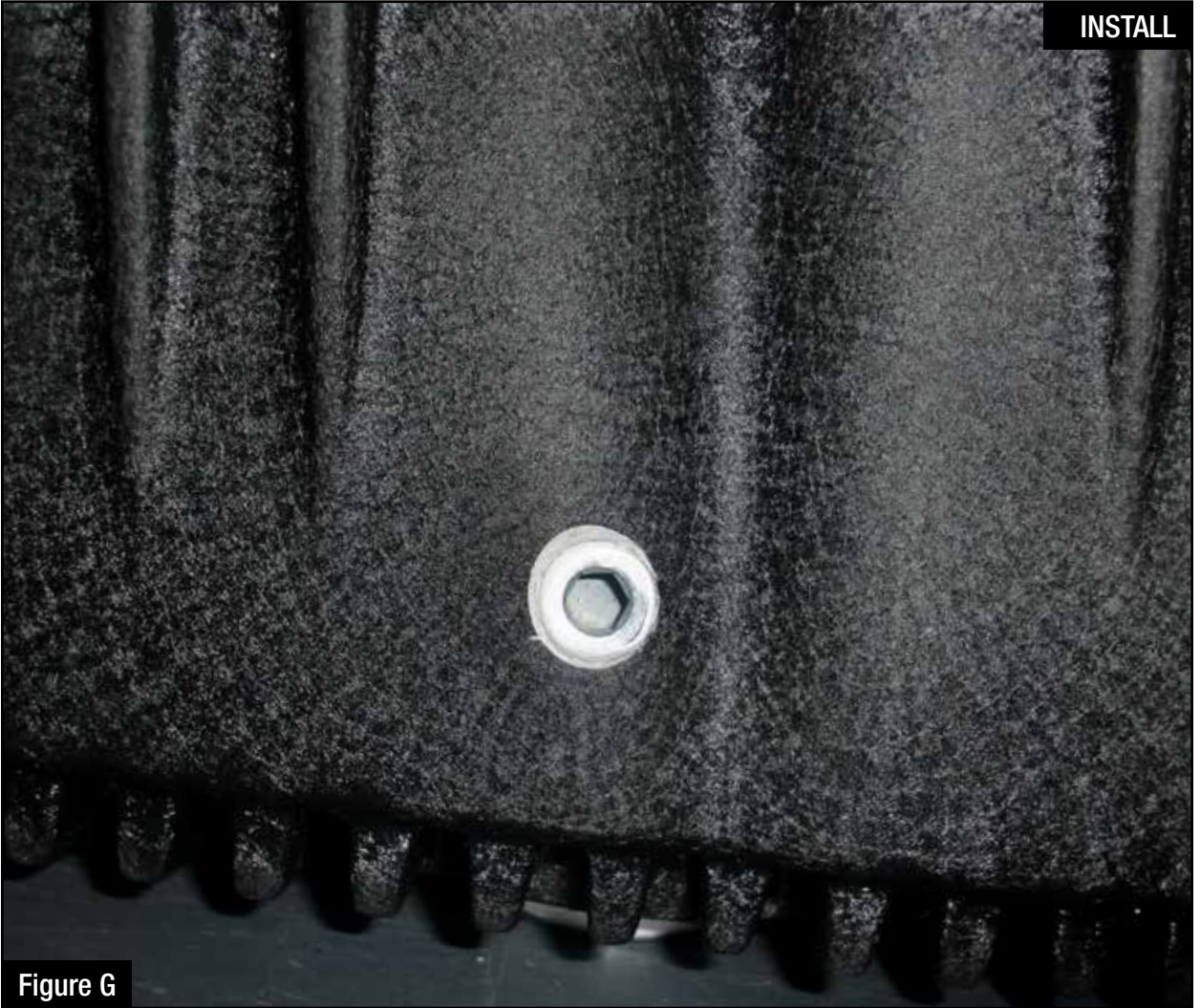


Figure G

Refer to Figure G for Step 9

Step 9: If you have a temperature sensor skip this step. Install the 1/8" NPT plug using a 6mm allen wrench on the back of the aFe transmission pan (torque to 3 ft.-lbs.).

INSTALL



Figure H

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 (torque to 50 ft.-lbs.).



Figure 1

Refer to Figure 1 for Step 11

Step 11: Insert the o-ring into the o-ring groove.

**Figure J****Refer to Figure J for Steps 12-14**

- Step 12: Install the aFe transmission pan 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 13: 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 14: If you have a temperature sensor it should be installed now.

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