



**advanced FLOW engineering**

**Instruction Manual** P/N: 46-70220,46-70222,46-70226 (AODE,4R70W)

Make: **Ford** Model: **F-Series Pickups** Year: **1993-2008** Engine: **V8-4.6L/5.0L/5.4L**



- 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.

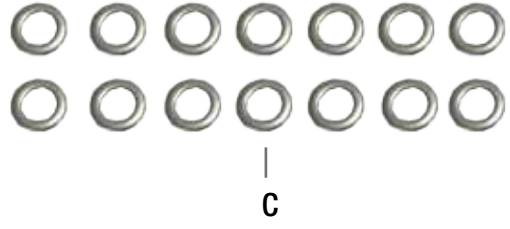


## Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	<a href="#">Trans. Pan</a> - Raw, Machined Fins (46-70180)	05-60368A
A2	1	Trans. Pan - Black, Machined Fins (46-70182)	05-60368
A3	1	Trans. Pan - Red, Machined Fins (46-70226)	05-60368R
B	14	Bolt M8 x 1.25 x 25mm	03-50231
C	14	Flat Washers	03-50228
D	1	Plug, Square Socket Head, 3/4" - 14 NPTF Magnet	03-50222
E	1	Plug, Hex Hd Socket 1/8 NPT	03-50029
F	1	Screw M6 x 8 x 1.0mm	03-50407
G	1	Fender Washer	03-50412
H	1	Gasket	05-60460

### Installation will require the following tools:

10mm socket, Socket driver (ratchet), 1/2" Extension, 1/2" Ratchet, 3/16" allen wrench, 6mm allen wrench, 4mm allen wrench, thread locker, teflon tape, lint-free rags.



**Figure A****Refer to Figure A for steps 1-2**

Step 1: Park vehicle on flat, dry surface and engage the parking brake.

Step 2: Using a 10mm socket, remove the 14 bolts holding the transmission pan. As you remove the transmission pan bolts, the fluid will start to drain.



REMOVAL

Figure B

**Refer to Figure B for steps 3-5**

**\*aFe recommends replacing filter at this time with the deep sump 4x4 filter\***

Step 3: Remove the stock filter from the transmission.

Step 4: Wipe any residual transmission fluid from the transmission with a lint-free rag.

Step 5: Install the transmission filter into the transmission.

**Figure C****Refer to Figure C for step 6-7**

Step 6: Remove the magnet from the stock pan.

Step 7: Install the magnet on the aFe transmission pan and retain using the supplied M6 x 1.0 x 8mm bolt and fender washer. Make sure to use a drop of thread locker on the bolt and carefully tighten.

INSTALL



Figure D

**Refer to Figure D for step 8-10**

Step 8: Install teflon tape on the 3/4" NPT plug, and on the 1/8" NPT plug.

Step 9: Use a 3/16" allen wrench, install the 1/8" NPT plug into the transmission pan.

Step 10: Using a 1/2" extension and a 1/2" ratchet, install the 3/4" NPT plug into the transmission pan.

**Figure E****Refer to Figure E for step 11-12**

Step 11: Using the supplied gasket, install the aFe transmission pan using a 6mm allen wrench and 14 - M8 x 1.25 x 25mm bolts and 14 - M8 washers.

Step 12: Tighten the bolts in a criss-cross pattern to 12-14lb-ft.





Figure F

**Refer to Figure F for steps 13-14**

Step 13: The transmission dipstick is located in the engine compartment. Fill the transmission to the factory specifications using the recommended oil. Reinstall dipstick.

**\*Note: The aFe pan holds approximately 7 quarts of transmission fluid. (2-3 more quarts than stock).**

Step 14: Your installation is now complete.

**\*Transmission fluid expands. Always check oil level per factory recommendations when the truck is hot.**

**\*Caution\*: A running truck will be hot. Take every precaution necessary to prevent being burned.**