

advanced FLOW engineering Instruction Manual P/N: 46-70180 / 46-70182

Make: Ford Model: F-250/F-350 Year: 2011-2015 Transmission: 6R140





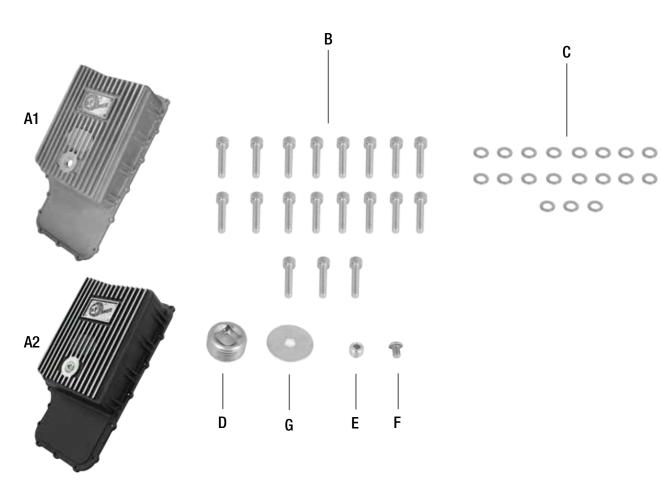
- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.

Retain factory parts for future use.

Label	Qty.	Description	Part Number
<u>A1</u>	1	Trans. Pan - Raw, Machined Fins (46-70180)	05-60342A
<u>A2</u>	1	Trans. Pan - Black, Machined Fins (46-70182)	05-60342
В	19	Screw M6 x 1.0 x 30mm bolts	03-50382
С	19	M6 washers	03-50177
D	1	Plug, Square Socket Head, 3/4" - 14 NPTF Magnet	03-50222
Е	1	Plug, Hex Head Socket, 1.8" - 27 NPT (Zn Plt)	03-50029
F	1	Screw M6 x 8 x 1.0mm	03-50407
G	1	Fender washer	03-50412

Installation will require the following tools:

8mm Socket, Socket Driver(Ratchet), ½" Extension, ½" Ratchet, 5/32" allen wrench, 5mm Allen wrench 4mm Allen wrench, Thread locker, Teflon tape, Transfer pump for oil, Lint free rags.







Refer to Figure A for steps 1-3

- Step 1: Park vehicle on flat dry surface and engage the parking brake.
- Step 2: Using a 13mm wrench, remove the drain plug and allow the oil to drain into a drain pan.
- Step 3: Using an 8mm socket, remove the 19 bolts holding the transmission pan.



Figure B

Refer to Figure B for steps 4-5

- Step 4: Remove the stock filter from the transmission. Make sure that the rubber seal on the transmission filter comes out with the filter.
- Step 5: Wipe any residual transmission fluid from the transmission with a lint free rag.
 - *aFe recommends replacing filter at this time.*





Refer to Figure C for steps 6-7

- Step 6: Remove the magnet from the factory Ford pan.
- Step 7: Install the magnet on the aFe transmission pan and retain using the supplied M6-1.0 bolt and fender washer. Make sure to use a drop of thread locker on the bolt and carefully tighten.



Figure D

Refer to Figure D for steps 8-10

- Step 8: Install teflon tape on the 3/4" NPT plug, and on the 1/4" NPT plug.
- Step 9: If not installing a tempature sensor, use a 5/32" allen wrench and install the 1/8" NPT into the transmission pan.
- Step 10: Using a $\frac{1}{2}$ " extension and a $\frac{1}{2}$ " rachet , install the $\frac{3}{4}$ " NPT plug into the transmission.





Refer to Figure E for steps 11-13

- Step 11: Install the filter into the transmission.
- Step 12: Using the factory gasket, install the new aFe transmission pan using a 5mm allen wrench and (19) M6x30mm.
- Step 13: Fill the transmission pan with the oil recommended by Ford, (Mercon\LV). Follow the directions in your owner's manual on how to check the level on the transmission dipstick.

*You Installation is now complete.

Note: Tranmission fluid expands. Always check oil level when the truck is at operating tempature.