

advanced FLOW engineering

Instruction Manual P/N: 46-70120-1 / 46-70122-1

4R100 / 5R110 Transmission Pan

Make: Ford	Model: F250/F350	Year: 1994-1997	Engine: V8-7.3L (td)
Make: Ford	Model: F250/F350	Year: 1999-2003	Engine: V8-7.3L (td)
Make: Ford	Model: F250/F350	Year: 2004-2007	Engine: V8-6.0L (td)
Make: Ford	Model: F250/F350	Year: 2008-2010	Engine: V8-6.4L (td)
Make: Ford	Model: F450	Year: 1999-2004	Engine: V8-7.3L (td)
Make: Ford	Model: F450	Year: 1999-2010	Engine: V10-6.8L
Make: Ford	Model: F450	Year: 1999-2010	Engine: V8-6.0L (td)
Make: Ford	Model: F450	Year: 2006-2010	Engine: V8-6.4L (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.
- Ensure that your vehicle is cooled off before proceeding.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Transmission Pan – Raw, Machined Fins (46-70120-1)	05-60917A
A2	1	Transmission Pan – Black, Machined Fins (46-70122-1)	05-60917B
B	1	RTV Silicone	05-60096
C	20	Screw, Socket Head M8x1.25x20	03-50341
D	20	Washer, M8	03-50228
E	1	Drain Plug, Magnetic M12x1.25	03-50385
F	1	Washer, Crush M12	03-50384
G	1	Plug, 1/8" NPT	03-50029
H	1	Transmission Filter	44-TF011



A1



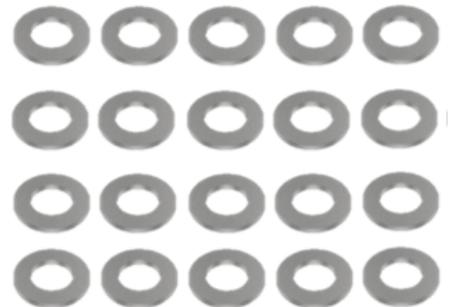
A2



B



C



D



E



F



G



H



Note: Your vehicle must be completely cooled off before proceeding with the installation.

1. Park your vehicle on a flat, dry surface. You will need to block the tires to prevent the vehicle from rolling.

Note: You will need to get under the truck to do this installation. Please use every precaution when lifting the vehicle.

2. Position a large catch pan under the transmission pan.
3. If applicable, remove the drain plug and allow the oil to drain.
4. Reinstall the drain plug.



5. Remove 18 bolts from the transmission pan, leaving the front two (2) in place.
6. Loosen, but do not remove the front two (2) bolts.
7. While positioned towards the front of the pan, break the seal between the transmission pan and the lower casing. Remaining fluid will begin to drain.
8. Once the fluid stops draining, hold up the pan and remove the final two (2) bolts.
9. Slowly lower the pan while keeping it level and pour out the remaining transmission fluid.

Note: There will still be fluid left in the bottom of the transmission pan. Be careful not to spill this remaining fluid.

10. If applicable, remove the OEM gasket from the sealing surface.



11. Clean the sealing surface with a gasket scraper. Be careful not to gouge the surface while cleaning.
12. Remove the old transmission filter.
13. Verify the filter seal was removed with the filter, otherwise remove it from the transmission with a pick.

Note: Be careful not to scratch or damage the sealing surface when removing the seal.



14. Install the supplied aFe transmission filter.

Note: Ensure the filter is installed as shown, aligned front to back.



16. Hold the supplied aFe transmission pan up to the gasket surface to make sure you will be able to maneuver it into place.

Note: The front of the pan should be lifted first, aligning with the transmission filter.

17. Once you have a clear path to lift the aFe transmission pan into place, prepare all the required hardware to secure it into place. This includes the 20 supplied M8x1.25x20 socket head screws and M8 washers.
18. Align the OEM gasket with the aFe transmission pan bolt holes, or spread the supplied RTV silicone across the gasket surface.

Note: Be generous when applying RTV silicone across the surface and make sure that all bolt holes are completely surrounded.



19. Hold the transmission pan up into position, aligning the screw holes. Install four (4) M8x1.25x20 socket head screws and M8 screws into each of the corners to hold the pan into position.

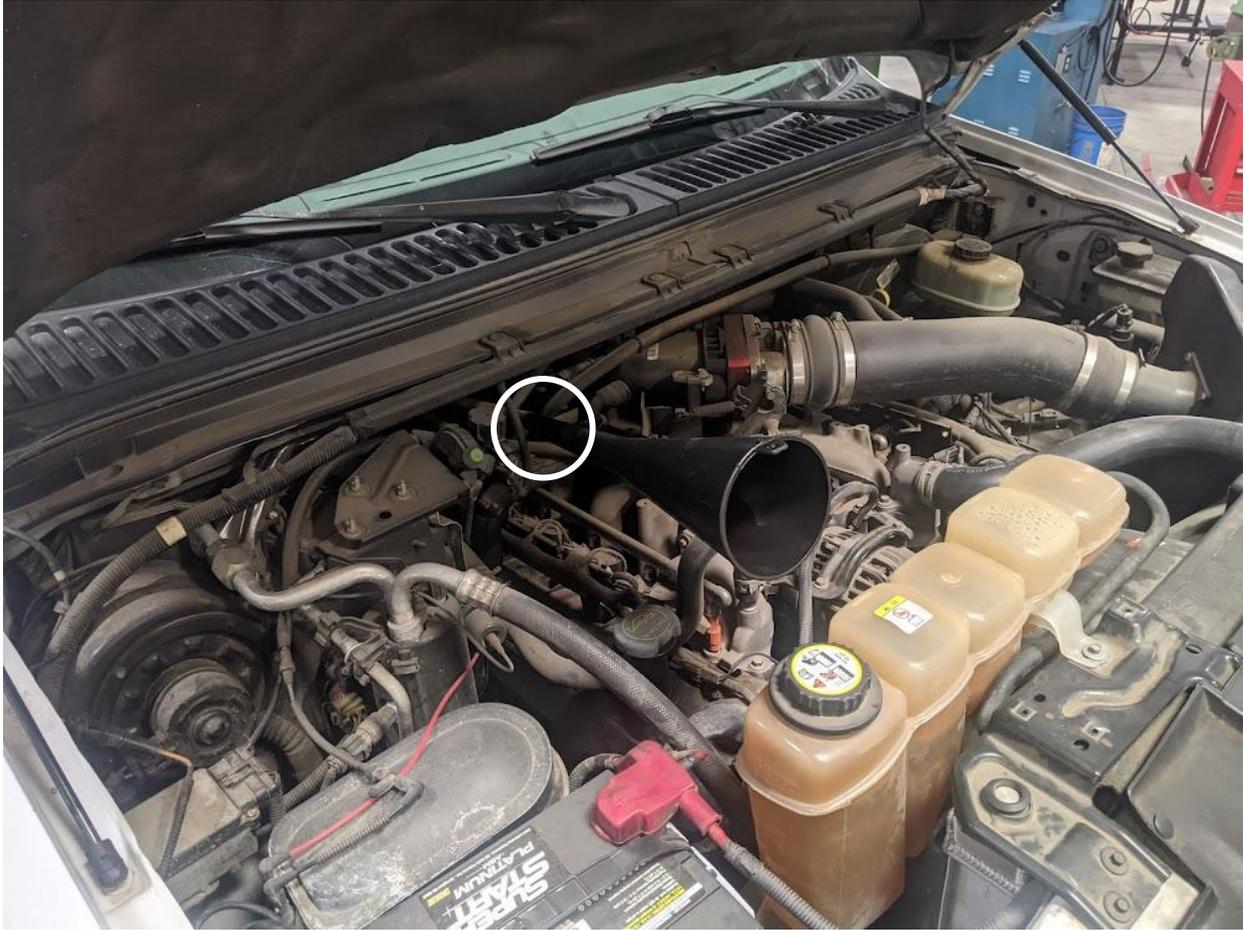
Note: Be careful not to move the pan around once it touches the gasket surface.

20. Continue installing the 16 remaining M8x1.25x20 socket head screws and M8 washers finger tight.
21. Torque the mounting screws to 12-16 ft.-lbs. in a crisscross pattern.



22. Install the supplied M12x1.25 magnetic drain plug and crush washer (secure about ½ turn past finger tight).
23. Apply Teflon tape/pipe sealant and install the supplied 1/8" NPT plug.

Note: For all NPT plugs, secure 1.5-3 turns past finger tight. The fitting should never bottom out in the port.



Note: The truck needs to be warmed up, running, and in neutral in order to get an accurate reading on the dipstick. Periodically check the dipstick reading while filling to prevent overfilling.

24. Refill the system with the appropriate transmission fluid. Your aFe pan holds about 5-8 quarts more than stock (about 11-14 quarts overall).
25. Your installation is complete. Recheck the fluid level after driving 50 miles.



advanced FLOW engineering, inc.

252 Granite Street Corona, CA 92879

afepower.com/contact