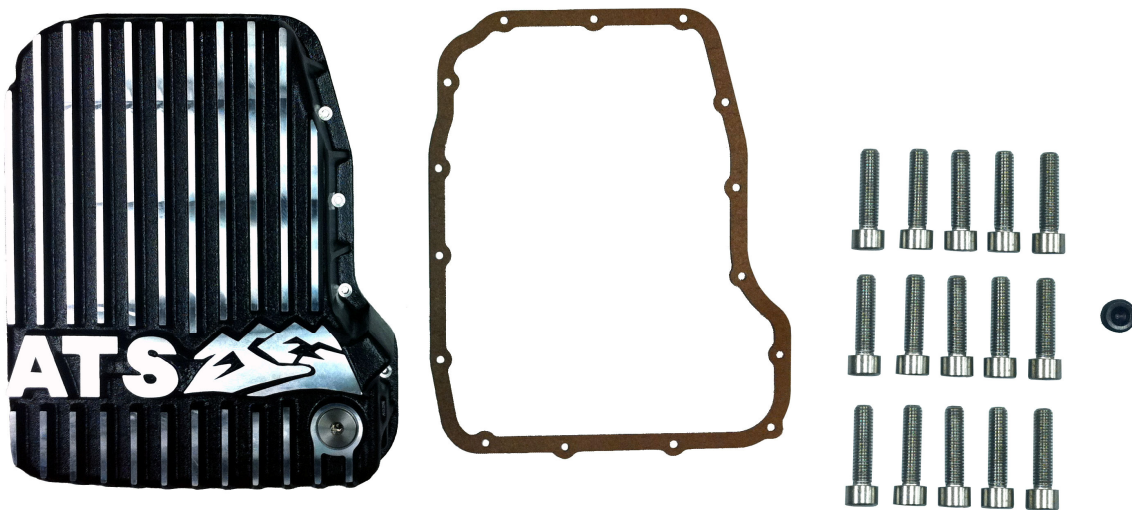




**Installation Manual v1.0:  
301-900-2326  
68-RFE Deep Transmission Pan  
2008-2010 Dodge Ram**

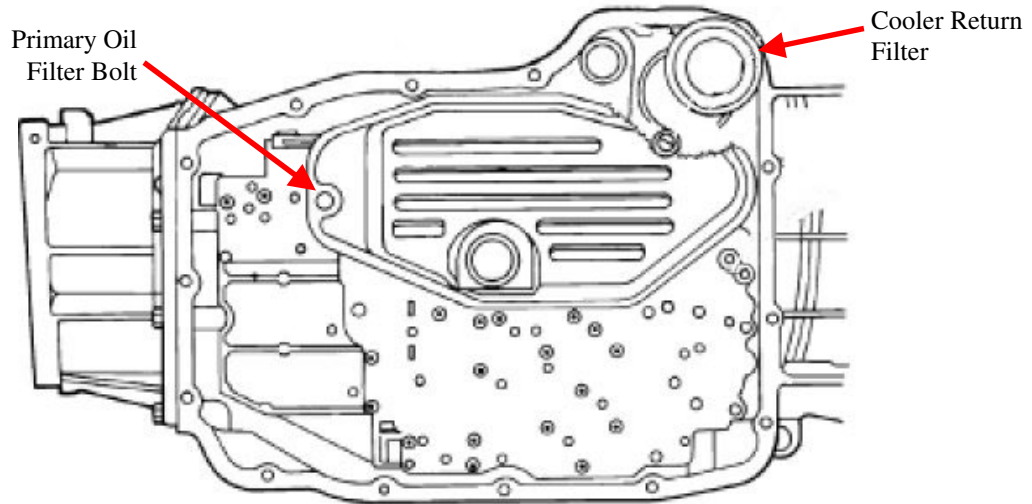
**Please read all instructions before installation.**



**Figure 1 - 68-RFE Deep Pan Kit Contents**

1. Park the truck on level ground and if the transmission is at operating temperature (HOT), let the transmission sufficiently cool before starting the installation.
2. Place a large diameter shallow drain pan beneath the factory transmission pan.
3. Remove the bolts holding the front and sides of the factory pan to the transmission.
4. Loosen the bolts holding the rear of the factory pan to the transmission.
5. Slowly separate the front of the factory pan away from the transmission allowing the fluid to drain into the drain pan.
6. Hold up the factory pan and remove the remaining bolts holding the pan to the transmission.
7. While holding the pan level, lower the pan away from the transmission.
8. Pour the remaining fluid in the factory pan into the drain pan.
9. If changing the transmission filters, follow steps 10-16. If not, skip to step 17.
10. Remove the screw holding the primary oil filter to the valve body.

11. Inspect the oil filter seal from the bottom of the oil pump. If the seal is installed correctly and is in good condition, it can be reused.



**Figure 2 - Filter Locations**

12. If replacing the cooler return filter, remove it drain the excess transmission fluid into the drain pan.
13. If necessary, install a new primary oil filter seal in the oil pump inlet bore. Seat the seal in the bore.
14. Place the replacement filter in position on the valve body and into the oil pump.
15. Reinstall the screw to hold the primary oil filter to the valve body. Torque this screw to 4.5 N-m (40 in.-lbs.).
16. Replace the cooler return filter and be sure to not over-torque the filter. It uses plastic threads which will crack if over-torqued. Torque this filter to 7-ft-lbs or  $\frac{3}{4}$  turn after the gasket contacts the base.
17. Using a gasket scraper, clean any gasket or sealing material from the surface of the transmission case.
18. Place the new ATS deep transmission pan into position with the new gasket and torque the new hardware to 12 N-m (105 in.-lbs.).
19. Located on the side of the transmission pan is a hole tapped for 1/8NPT. If installing a transmission temperature gauge, this hole can be used for the temperature sending unit. If not, install the 1/8 NPT pipe plug included with the kit.
20. Refill the transmission with new Mopar ATF+4 or equivalent transmission fluid.

## **Have Any Questions?**

Thank you for purchasing the ATS 68-RFE Deep Transmission Pan. Please check our website at <http://www.atsdiesel.com> for technical support and other performance products such as the 5-Star™ torque converter, ATS High Performance Valve Body and ATS High Performance Transmission along with our full line of power enhancers. Please call or e-mail our Technical Service Department, 8:00am to 5:30pm Mountain Standard Time, Monday through Friday.

### **Contact Information**

Toll Free: 800-949-6002

Local: 303-431-7973

Fax: 303-431-0135

Website: [www.ATSDiesel.com](http://www.ATSDiesel.com)

Email: [info@ATSDiesel.com](mailto:info@ATSDiesel.com)

We strive to make our instructions as clear and complete as possible. To achieve this, our instructions are under constant construction. We encourage you to visit our website to check for the most up-to-date manuals and diagrams as well as other information. If you have any suggestions as to how we can improve this installation manual, let us know at <mailto:Suggestions@ATSDiesel.com>.

### **Bill of Materials**

1. ATS Deep Transmission Pan 301-100-2326
2. 68-RFE Transmission Pan Gasket 72300F
3. ATS Magnetic Drain Plug (pre-installed in pan) 402-009-1000
4. 1/8 NPT Pipe Plug
5. (15) M6-1.0 x 25mm Stainless Steel Socket Head Cap Screw