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BD AISIN HD TRANSMISSION PAN

For 2013+ Ram 3500-5500 Cummins Diesels





With Aisin AS69RC


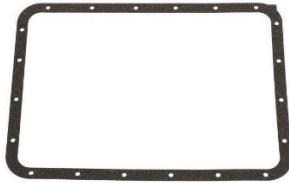
Part# 1061535

Note: Replacement of your transmission filter is recommended

Please read all instructions before installation of this product.

Kit Contents

1601613		FK-1061535	
			
Magnetic Drain Plug	1/8" NPT Plug	Flat Washer (M6)	Bolt (M6x25mm)
Qty: 1	Qty: 1	Qty: 20	Qty: 20

1601535	68214914AA
	
Transmission Pan	Pan Gasket
Qty: 1	Qty: 1

Tools Required for Installation

- Ratchet
- 6" Extension
- 3/4" Socket or Wrench
- 7/16" Socket
- 10mm Socket
- Service Jack (Optional)
- 15mm Socket (Optional)
- 5mm Allen Socket (Long Ball End Recommended)
- 5/16" Allen Socket
- Torque Wrench (Low Torque Capable)

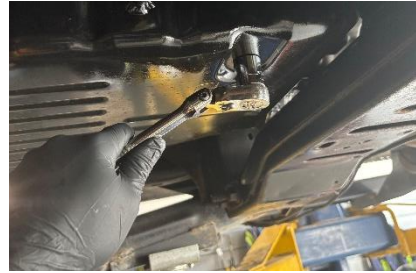
Specs At A Glance

Fluid	
Trans Fluid	10.7 – 17.2 Quarts of MOPAR® ASRC ATF (or Equivalent)
Torque Specs	
Pan Bolts	62 in-lbs
Drain Plug	20 ft-lbs
1/8" NPT Plug	12 ft-lbs
Trans Mount Nuts	40 ft-lbs

Installation

Park the vehicle on flat and level ground or onto a lift with the park brake applied and the transmission in park.

Place a drain pan under the transmission pan, and using a **3/4"** **socket or wrench**, remove the drain plug, and allow the transmission to drain completely.



Using a **10mm socket**, remove the 20 bolts securing the pan to the transmission case.

Note: The rear 4 pan bolts can be difficult to access. See the tech tip below for additional information.



Remove the pan from the transmission, and clean the pan gasket sealing surface on the transmission.

Note: If the pan is stuck to the case, tap the side of the pan lightly with a soft faced mallet until it breaks free.



Sealing
Surface

Clean the inside of the BD pan with brake parts cleaner (or an equivalent), and line up the gasket with the bolt holes in the case.

Using a **5mm Allen socket**, loosely install a pan bolt and washer on two opposing corners of the pan to hold it in position.

Note: It is highly recommended that a new filter be installed.



Using a **5mm Allen socket**, tighten all pan bolts in a crisscross pattern and torque all pan bolts to **62 in-lbs**.

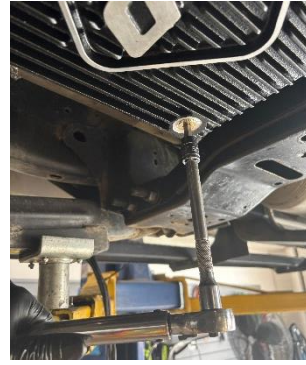
Repeat this process to ensure all bolts are torqued.

Note: The rear 4 pan bolts can be difficult to access. See the tech tip below for additional information.



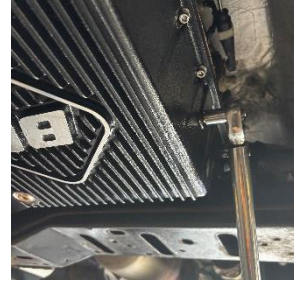
Apply small amount of ATF to the drain plug O-ring.

Using the 5/16" Allen driver, install and torque the drain plug to **20 ft-lbs**.



Using a 7/16" socket, install and torque the temperature port plug to **12 ft-lbs**.

Note: A transmission fluid temperature gauge sensor can be installed in this port instead of the plug.



Fill the transmission through the transmission fluid filler tube with MOPAR® ASRC ATF or Mobil ATF 3309, add approximately:

- **10.7 quarts** for a drain and fill/filter change
- **17.2 quarts** from dry after a full transmission rebuild.

Start the truck, and let it idle in park for at least one minute. Move the gear selector lever through all gear ranges, then check the fluid level while at idle in park.

Road test and check for leaks. Check the fluid level is correct while at normal operating temperatures, with the truck at idle in park.

Tech Tip

On some trucks, the rear 4 pan bolts are difficult to access.

To gain additional access, use a **15mm socket** to remove the 3 nuts from the transmission mount.

Raise the transmission with a service jack to gain more clearance.

Once the pan is installed, lower the transmission down and torque the transmission mount nuts to **40 ft-lbs**.

