

97770 | BANKS RAM-AIR TRANSMISSION PAN FOR 2007.5-2024 DODGE/RAM 2500/3500 6.7L DIESEL WITH 68RFE TRANSMISSION

2007.5-2024 Dodge/RAM
2500/3500 6.7L Diesel With
68RFE Transmission

[↓ Recommended Service](#)

[Items ↓](#)

Transmission Pan Gasket

Mopar Part No.

68125659AA



| Attention | 2020-2023 Ram 2500 & 2020-2022 Ram 3500 Pickups

Due to transmission safety recall ZA3 / NHTSA 22V-835, some **2020-2023 2500s** and **2020-2022 3500s** may have a short 15" dipstick, which won't be long enough to check the fluid level during a service.

To verify which dipstick your truck's transmission has, you will need to check its length. Pull either the **round yellow handle** or the **black locking dipstick handle** out. If its 15" long, please see your local dealer and request for the updated 44" locking dipstick free of charge before starting the installation.

44" Locking Dipstick Part Number: CSSPZA31AB – Indicator – transmission fluid level

Bill of Materials

Part Number	Description	QTY
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35171-B	Ram-Air Transmission Pan (68RFE)	1
35151	Ram-Air Scoop	1
13251	1/8 NPT Hex Plug	1
13278	Magnetic Oil Plug	1
35152	Ram-Air Scoop Spacer	4
91766	M6 Hex Flange Screw	19
35168	Seal Install Tool	1



General Installation Practices

[General Installation Practices - Show](#)

0) Recommended Service Items



Transmission Pan
Gasket:
Mopar Part #
68425659AA

Filter Kit:
Use 4WD filter
5013470AE

Internal Spin-On Filter
Mopar Part #
5179267AD

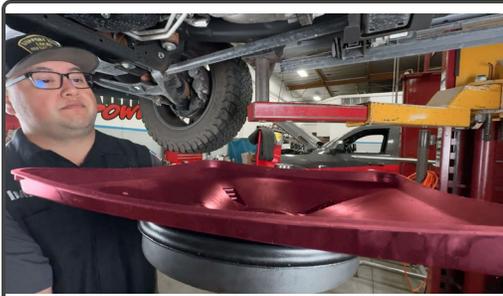
1) Initial Preparation



Raise the truck on a lift to provide ample access to the oil pan and the area you will be working with.



If using a lift, a support stand is also recommended.



Bring a large drain pan over to the transmission to catch the fluid.

2) Remove Transmission Pan



In no particular order, remove the 16 10mm bolts that hold the transmission pan.



Be sure to support the pan as you remove the bolts to ease the removal and tilt the pan as you remove it to drain.



Carefully lower the pan from the truck.



Drain any remaining fluid into the drain pan.

(Optional) Replace Transmission Filters

Removal



If you are replacing the filters in the pan, you can remove them now. Otherwise, you may skip these steps.

Note: There is still some fluid in the transmission pickup tube.
Links are provided at the top of this manual.



With an 8mm socket, remove the two bolts that hold the transmission filter on.



Note: There is still some fluid in the transmission pickup tube.



Spin the internal filter counterclockwise to remove it.



There will still be some fluid left in the filter after removal.



Installation

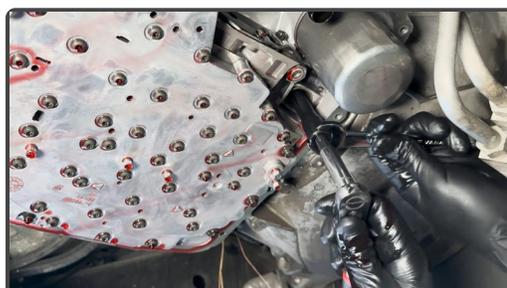


Locate the round filter seal used for the in-pan filter; it will be removed and replaced with a new one with your filter kit.



Blind Hole Bearing Puller and Slide Hammer Set (16 pcs)

A Blind Hole Bearing Puller and Slide Hammer are needed to remove the in-pan seal.



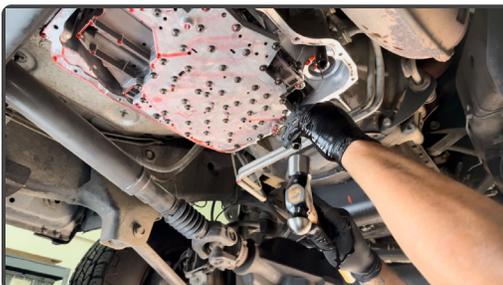
Insert the tool and expand it to grab the seal.



Carefully slide hammer out the seal.



With the provided special tool, attach a 3/8" extension to the end, and a new seal on top.



Tap the new seal into place.



Bring the new in-pan filter up into place.



Secure it with the T25 torx screw removed previously.



Add some transmission fluid to the screw on filters gasket.



Thread the screw-in type filter.

3) Ram-Air Transmission Pan Prep



Thread in and snug the 1/8" NPT plug or if you have an auxiliary temperature sensor, you may thread this in now instead.

To avoid tearing and fraying, apply a small amount of oil to the o-ring prior to installation of the drain plug.



Thread in and snug the magnetic drain bolt.

Snug down the drain bolt by hand, and do not exceed 23 lb-ft

O-Ring Size: 25mm I.D. x 2.5mm C.S. FKM (Viton)

4) Transmission Pan Installation



Bring the Ram-Air Transmission Pan up to the transmission.

If you purchased a new gasket, install it with the pan. Otherwise, clean the existing gasket and re-use.



Snug down the 15 bolts that hold the transmission pan.



Tighten each transmission bolt to 65 inch-pounds. (About 5.5 ft-lbs)



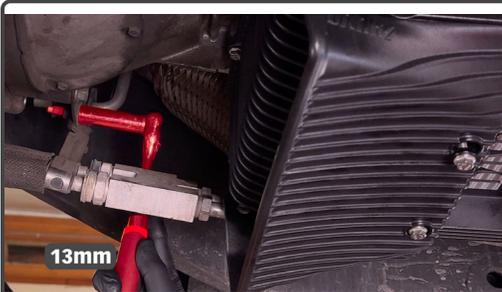
Pair the 4 screws for the Ram-Air Scoop with their spacers.



By hand, attach the Ram-Air scoop to the pan with the 4 bolts and spacers



To reach the bolt on the passenger side, the hard lines next to the transmission have to be temporarily moved.



With a 13mm socket, remove the bolt that holds the hard lines to the bracket.



Hold onto this bolt, it will be reused.



Thread in the passenger side bolt and spacer by hand, then snug it down.

Replace the bolt that holds the hard lines to the support bracket when finished.



Snug down the remaining 10mm bolts.



5) Fluid Level Check



Top the transmission off with 12 quarts of ATF.



With your foot firmly on the brake pedal and the engine running, shift the transmission from Park through Drive, stopping at each position for at least 3 seconds. This will help ensure the ATF reaches all the gears and oil passages.

Bring the transmission temp up to 170°F before checking the fluid level.



It is best to drive the truck around the block for this step. Once you've hit 170°F, re-check the transmission fluid level while the engine is running.



Add any additional fluid if needed to reach the correct fill level.