

97755 | BANKS RAM-AIR TRANSMISSION PAN FOR 2001-2019 CHEVY/GMC 2500/3500 6.6L DIESEL WITH ALLISON 1000 TRANSMISSION

INSTALL INSTRUCTIONS

Part #s
35146-B



Bill of Materials

Part Number	Description	QTY
35147-B	Ram-Air Transmission Pan (Allison 1000)	1
35150	Ram-Air Scoop	1
13251	1/8 NPT Hex Plug	1
13278	Magnetic Oil Plug	1
91767	M8 Hex Head Flange Screw	12
91766	M6 Hex Head Flange Screw	4



General Installation Practices

General Installation Practices - Show

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.

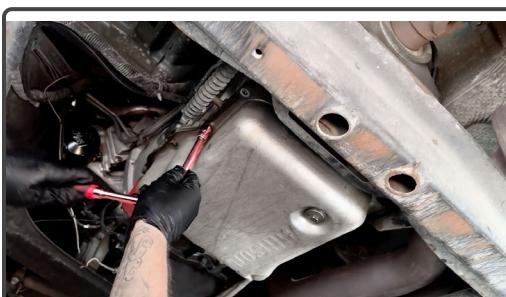


With a XXmm wrench, remove the stock drain bolt.



Allow for all the oil to drain from the pan and engine passages. (about 30 min)

2) Remove Transmission Pan



In no particular order, remove the 12 bolts that hold the transmission pan.



Be sure to support the pan as you remove the bolts to ease removal



Carefully lower the pan from the truck.

If you are replacing the filter in the pan, you can remove it now. Otherwise you may skip this step.



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

Links are provided at the top of this manual.



Use the OE pan to catch any remaining fluid.



Carefully remove the OE transmission fluid pickup tube & filter.



Be sure to capture and safely recycle all fluids.

3) Transmission Pan Installation



Clean up any excess fluid from the pan mating surface.



Lubricate the new Transmission Fluid Pickup Tube's rubber seal with transmission fluid.



Install new pickup tube into the transmission.



If your original Gasket was in good shape, you can clean and reuse it. Otherwise install a new transmission gasket onto the Ram-Air Pan.

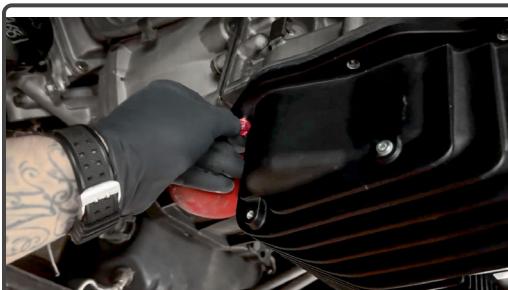
Links are provided at the top of this manual.



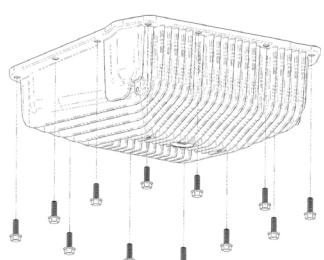
Use a bolt in the corner of the pan to help align the gasket for install.



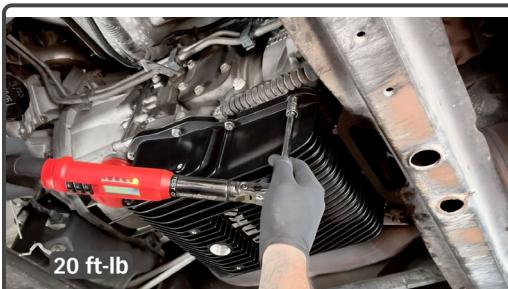
Bring the Ram-Air Pan up to the transmission mating surface.



Start threading each bolt in by hand first to prevent cross-threading the bolts.



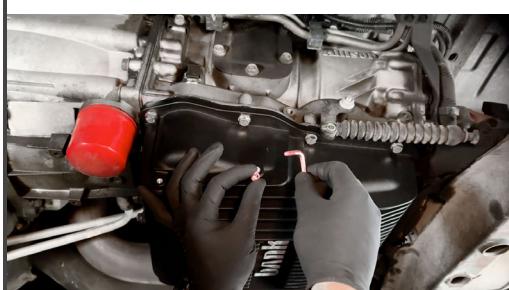
There are 12 bolts in total that need to be threaded in, there is no particular order for this step.



Once all the bolts are seated and hand tight, torque them to 20 ft-lbs.



Install the magnetic drain bolt.



Install the supplied AN plug for the aux sensor position if you are not installing one at this time.



Remove the factory external transmission filter and catch any fluid that leaks out.

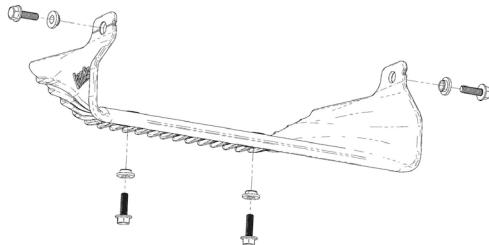


Be sure to remove the magnet found inside the factory external oil filter, and re-use it with your new transmission filter.



Install new external filter with the magnetic ring pre-installed.

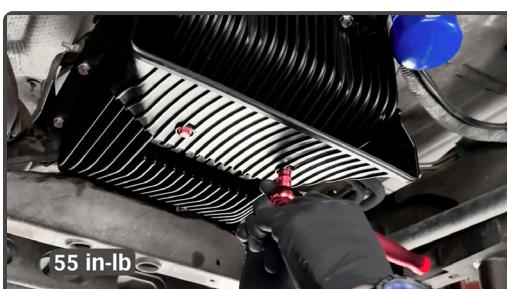
4) Ram-Air Scoop



The Ram-Air scoop is held in place by 4 washers and bolts. It is designed to break away in the event of a rock collision.



Line up the Ram-Air scoop first, then put the washers and bolts in.



Tighten each bolt to 55 in-lbs.

5) Fluid Check

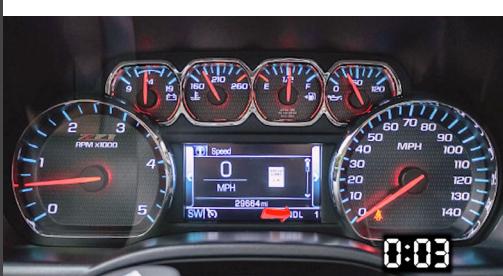


Lower the truck.

Refill the transmission with 12 Quarts of transmission fluid. Note: Although the recommended fill is 12 quarts in most Allison 5 and 6 speed transmissions, the dipstick will ultimately dictate your truck's proper fill level. Follow these steps to ensure you fill to the proper level.



With the vehicle stationary, turn on the truck and run the transmission through each gear position for 5 seconds to pump fresh fluid to all the gear clutch packs.



Re check the transmission is filled to the OE fill level. Add more fluid if needed.



Now hit the road and enjoy your new Ram-Air Transmission Pan.