

STEP 18

Install the new output shaft seals in the case (supplied).

STEP 19

Using two 5/16" x 3/4" bolts, install the new shift rail cover to the back of the shifter plate. Be sure to use RTV sealer on the housing edge that contacts the shifter plate.



STEP 20

Your new drain plug is located on the backside of the housing beside the two brass plugs. This was the old fill plug.



STEP 21

At this time, remove your stock transfer case from your Wrangler. Remove your skid plate and support the transmission with a jack. Remove the shifter linkage and the shifter assembly from the vehicle. Next, disconnect all wires from the case and remove both drive shafts. Finally, unbolt the case from the transmission. Remove the speedo gear from the 300 transfer case and replace with the speedo sensor from you NP 231-transfer case. Be sure to clock the new speedo gear to insure that it contacts the worm gear on the output shaft of the 300 case.



STEP 22

Before installing your model 300 in your Jeep, it is necessary to remove your old transmission output seal. The matting of the transfer case will now seal the transmission.



STEP 23

Upon completion of the Flip Kit, test fit your transfer case to your transmission. If the transfer case does not slide up flush with the transmission housing, it may be necessary to trim approximately 3/8" from the transmission output shaft. DO NOT remove any more than necessary to achieve a flush mount, yet make sure it does NOT bottom out in the transfer case.

STEP 24

Using the transfer case gasket (supplied), line up the four bottom holes on the transmission. This should leave the top two holes slightly off. Using a 3/8" drill bit, mark and drill these top two holes to ensure use of all 6-bolt holes.

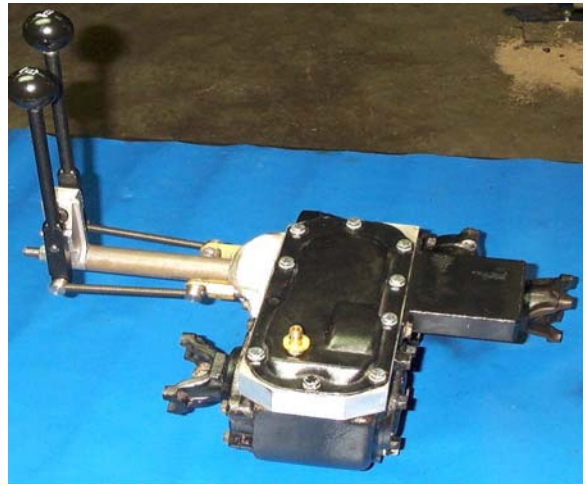
STEP 25

Now you can install your transfer case. Make sure both matting surfaces are clean and free of oil and dirt. Using a thin layer of RVT, coat the transmission output housing. Next, install the 6-hole transfer case gasket. Coat the gasket with a thin layer of RVT. Install the case, making sure all 6 holes are aligned. Install the 2 fine thread nuts (factory) on the 2 transfer case studs. Use the four (4) 3/8" bolts and loc-washers on the other 4 bolt holes. Be sure to use the Loctite supplied. Also, Be sure to plug the factory hole in the transmission adaptor housing. This is located at the rear of the transmission, near the bottom of the mating surfaces.



STEP 26

Using the instruction sheet supplied with shifter, install shifter assembly.



STEP 27

Remove fill plug from shifter plate and fill transfer case with two (2) quarts 80w-90 gear oil. Yes, that's right. No special oil to have to worry about!!

STEP 28

Install your new rear drive shaft and have your front shortened. The yoke's on a model 300 use the same straps as a YJ/TJ. Also, the 300 can be upgraded to use u-bolt retainers instead of the weaker straps.

STEP 29

After final installation of your transfer case and shifters, be sure that the shifters do not contact the body in any shifter position. Also, test all the shift movements of the case while driving to be sure the torque of the motor does not force the shifters into the body. Change the fluid in the case after 500 miles.

STEP 30

Two high: right shifter in the rear position, front shifter in neutral.

Four high: both shifters in rear position.

Four low: both shifters in the front position.

Two low: right shifter in the front position, left shifter in neutral.

Two low front wheel drive: left shifter in the front position, right shifter in neutral

Neutral is both shifters in the center position