



TOMS OFFROAD

#5038 - NP435 Adapter Installation

Step 1. Drain oil from both the transmission and the transfer case.

Step 2. Remove the transmission and the transfer case.

Step 3. Remove bolts from the adapter to the transfer case and split apart, making sure to save the 13 pocket bearings inside the transfer case. On the adapter housing, remove the small snap ring from the adapter gear. Slide the gear off the shaft. Now remove the large snap ring in front of the exposed bearing and remove the shaft from the adapter housing. If the shaft will not pull out, follow this procedure: With the large snap ring off, slide the adapter gear back on the shaft and install the small snap ring. Using two screwdrivers, pry behind the gear thus removing the shaft from the adapter.

Step 4. Install the new 4-speed adapter onto the transmission using the 4 Allen bolts, lock washers and gasket provided. We recommended using a good grade of oil resistant silicone on both sides of the gasket. Tighten Allen bolts.

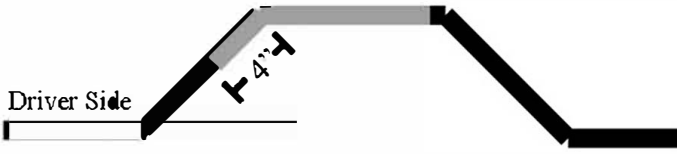
Step 5. Apply a small amount of oil or light duty grease to the seal inside the new adapter. Slide the shaft and bearing into the new adapter, install the large snap ring in front of the bearing. Install the adapter gear making sure the small set of teeth on the gear are facing out towards the transfer case, install the small snap ring on the shaft. *If you put this gear on backwards your transfer case will only work in low range.

Step 6. Make sure that all 13 pocket bearings are inside the transfer case, if the bearings have fallen out, apply a small amount of light duty axle grease inside transfer case and stack the bearings one by one back into place. Install new gasket and bolt the transfer case back into place.

Step 7. Using diagram provided, cut hole in floorboard for transmission tower. Install transmission and transfer case assembly. **Make sure to fill both units with 80/90 weight oil.**

Step 8. Install shift handle and bend to desired fit using a torch or other method. Once handle placement is correct, remove from transmission and install tunnel cover. Fasten cover with screws. Install handle and screw new shift boot into place. Check all bolts and work done. Road test and recheck work for safety.

Truck 4-Speed Floorboard Hole



Underside of Floor Support cut away for 4-speed



Stock Underside of Floor Board

