

# ADVANCE ADAPTERS INC.

P.O. Box 247, 4320 Aerotech Center Way  
Paso Robles, CA 93447

Telephone: (800) 350-2223 Fax: (805) 238-4201

## P/N: 50-3801

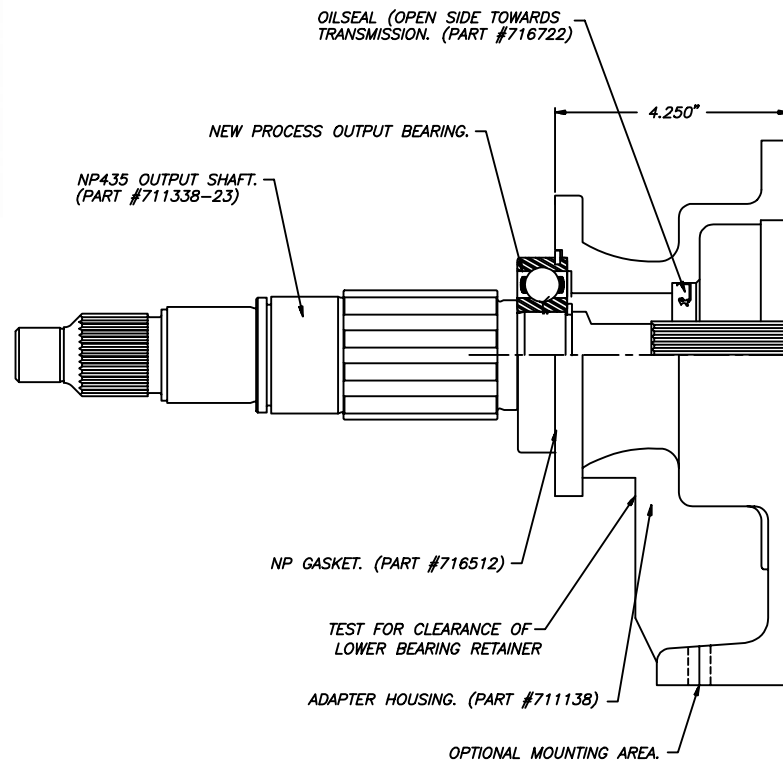
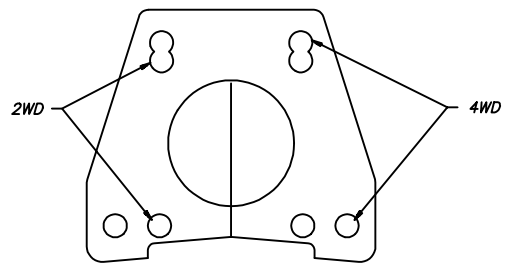
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## FORD NP435 4 SPEED TRANSMISSION TO JEEP DANA 300 TRANSFER CASE

### KIT CONSISTS OF:

No.	Qty	Part No.	Description
1.	1	51-3800	ADAPTER HOUSING (Ref: 711138)
2.	1	52-3800	NP435 OUTPUT SHAFT (Ref: 711338-23)
3.	1	714202	BOLTPACK
4.	1	716512	GASKET
5.	1	716517	GASKET (DANA 300)
6.	1	716722	SEAL (NAT #472319)
7.	1	JP001	JEEP INSTRUCTION MANUAL



**SPECIAL NOTE:** The components packaged in this kit have been assembled and machined for specific type of conversions. Modifications to any of the components will void any possible warranty or return privileges. If you do not fully understand modifications or changes that will be required to complete your conversion, we strongly recommend that you contact our sales department for more information. This instruction sheet is only to be used for the assembly of Advance Adapter components. We recommend that a service manual pertaining to your vehicle be obtained for specific torque values, wiring diagrams and other related equipment. These manuals are normally available at automotive dealerships and parts stores.

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## FORD NP435 4 SPEED TRANSMISSION TO JEEP DANA 300 TRANSFER CASE

### INSTALLATION INSTRUCTIONS:

Before assembly of the transmission with the new main shaft, you must verify that the correct shaft has been furnished. The rear output spline count on your shaft should be 23 teeth. Since we manufacture various shafts for the new process transmission, it is possible that you may receive the incorrect shaft in error.

The NP435 transmission can be identified by a case length of 10.875", and a case casting number of C95711, C96391 or C13894. The aluminum case shift cover has a casting number of C11240, C97233 or C994569. The P.T.O. opening is on the right hand side at center of the case and the shift cover is mounted to the top of the case with 8 bolts. The new main shaft furnished with this kit must be carefully compared to the original shaft removed from your transmission. The NP435 transmission required for this kit is from Ford F100, F200 and F300 1 ton trucks. The front bolt pattern on the Ford transmission will have an 8-1/2" x 6-1/4" bellhousing pattern with a transmission index diameter of 4.848". The assembled length of the transmission and adapter will be 15". When replacing a T4, T5, SR4 transmission, you will have a direct interchange without drive shaft modifications. On T176 transmissions, driveshaft modifications will be required.

When assembling the gears onto the new main shaft, make sure that all gears have the proper end clearance required for oiling. Make sure that all transmission assembly work is done by a competent mechanic. All surfaces must use gaskets to prevent oil leakage. The new seal provided with the adapter kit must be installed with the open side towards the transmission.

When bolting the adapter to the main transmission case, you must use two studs in the lower two holes of the adapter. A slight modification may be necessary to obtain the proper clearance around the lower bearing cover of the stock transmission. The adapter has been provided with bolt hole locations for both the two wheel and four wheel drive New Process transmissions. The 2WD transmissions have a square bolt pattern, while the 4WD transmissions have the lower 2 holes outboarded.

**NOTE: Advance Adapters machines the new output shaft to the same specifications of your stock main shaft. However, every so often we have had customers inform us of a problem with the rear snap ring groove not being wide enough. This groove is in the same location as the stock NP435 shaft. We have found that New Process has had different thicknesses of snap rings through the years. If your snap ring will not fit into the snap ring groove once the rear bearing is installed, the easiest fix is to sand the snap ring thinner until it fits. If you do this, you should put the side of the snap ring that has not been sanded towards the bearing.**

### FORD NP435 4 SPEED 1966 & UP:

With the adapter and transmission assembled, you are now ready to bolt the transfer case into position. We have included a new gasket for added protection and we recommend that the gasket be used.

The skid plate will need to be slightly modified to fit under the new transmission. Two new holes may be necessary for use with the new adapter and a slight notch may be required on the front leading edge of the skid plate for clearance around the front driveshaft.

When this transmission is going to be used with an AMC 6 cylinder or V8 engine, you must use Jeep bellhousing No. 8133951 and Advance Adapters pilot bushing P/N 716156. The clutch disc should be changed to an 10-1/2" Centerforce disc, P/N 384180.

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