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PAGE 1 OF 3 Page Rev. Date: 08-11-16  
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## AOD/AODE/4R70W 4WD TRANSMISSIONS TO BRONCO DANA 20 TRANSFER CASE 1966-76

### KIT CONSISTS OF:

No.	Qty	Part No.	Description
1.	1	51-2703	ADAPTER HOUSING
2.	1	51-9920A	MODIFIED ADAPTER PLATE
3.	1	52-4303	SPUD SHAFT
4.	2	716042	CROSSMEMBER SLEEVES
5.	1	716223	RETAINER
6.	1	716302	SEALED BEARING
7.	1	716455	SNAP RING
8.	1	716513	GASKET
10.	1	716714	O-RING
11.	1	716764	SEAL
12.	1	714206	AOD BOLT PACK
13.	6	723712	STUD BOLT 3/8 -16 X 3.5" LG B7

The transmission oil pan may require some clearance modifications for the front drive shaft. This is only on the truck style transmission pan

### GENERAL INFORMATION:

1. The "J" shifter pattern used on the later model Bronco transfer cases may not be compatible with this adapter housing. You will need to either modify the mounting or change to the earlier model shifter pattern that had a straight design. This requires new shift rails to be install in the transfer case.

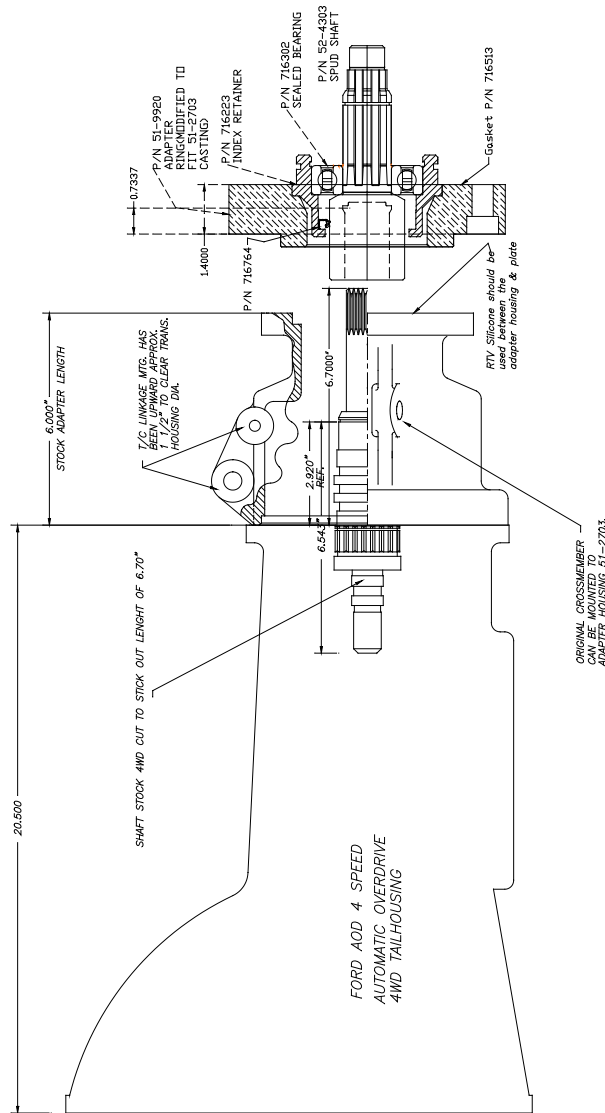
2. The crossmember support that we have provided on the bottom of the new adapter housing is very similar to the original support bracket. It may be necessary to modify the donuts and bolts in order to assemble the existing crossmember to the new adapter housing.

This kit has been designed to retain the stock Bronco rubber T/C mounts. These mounts were previously equipped with a 1/2" bolt. Our casting has been drilled and tapped for a 7/16" bolt. We have supplied this kit with the necessary sleeves, washers, and bolts to properly secure this adapter.

3. This kit is designed to retain the standard 31 spline 4WD output shaft of the AOD transmission. The stock shaft is longer than it should be to work in this adapter configuration and will require shorting. The diagram on the next page shows the stick out measurement that it need to be from the rear of the transmission. Cut the shaft with a metal cut off wheel and proper safety equipment. Once the shaft is cut assembly the adapters to the AOD transmission.

**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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**NOTES:**

*In order to mount the new adapter housing into the original Bronco crossmember, you will need to modify the crossmember for additional clearance. The new adapter housing is wider and will require a slight elongation on the bushing index holes of the crossmember.*

*In order to provide the clearance around the bottom part of the adapter, we would suggest that you section a small portion of the crossmember as shown in the illustration. This small portion can then be relocated and rewelded as illustrated.*



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