

# 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: 50-2704

New Item: (3/93)

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Page Rev. Date: 07-26-06

## LATE MODEL 4 SPEED AUTOMATIC OD FOR BRONCO DANA 20 TRANSFER CASE 1966-76

### KIT CONSISTS OF:

No.	Qty	Part No.	Description
1.	1	51-2703	ADAPTER HOUSING
2.	1	52-2704	SPUD SHAFT
3.	1	52-2705	MAIN SHAFT W/27 SPLINE OUTPUT
4.	2	716042	CROSSMEMBERSLEEVES
5.	1	716223	RETAINER
6.	1	716312	BEARING
7.	1	716455	SNAPRING
8.	1	716513	GASKET
9.	1	716713	SEAL
10.	1	716714	O-RING
11.	6	723701	3/8"-16NUT PLATED
12.	6	723704	3/8" LOCK WASHER PLATED
13.	6	723711	3/8"-16x2" LG.
14.	2	724302	7/16" FLAT WASHER
15.	2	724311	7/16"-14x3-1/2H.H.C.S.
16.	1	FMC001	FORD INSTRUCTION MANUAL ( <i>Refer to AOD Article</i> )

### OPTIONAL ITEMS:

P/N 716057 AOD Shaft Kit to fit an AODE Transmission

### GENERAL INFORMATION:

1. This transmission assembly is 26-1/2" overall in length and should directly replace any of the early Bronco drivetrain assemblies. The original V8 drivetrain assembly is normally 26-1/8" and there will only be approximately 3/8" of a difference, so driveshaft modifications can normally be eliminated. The U-shaped 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.

**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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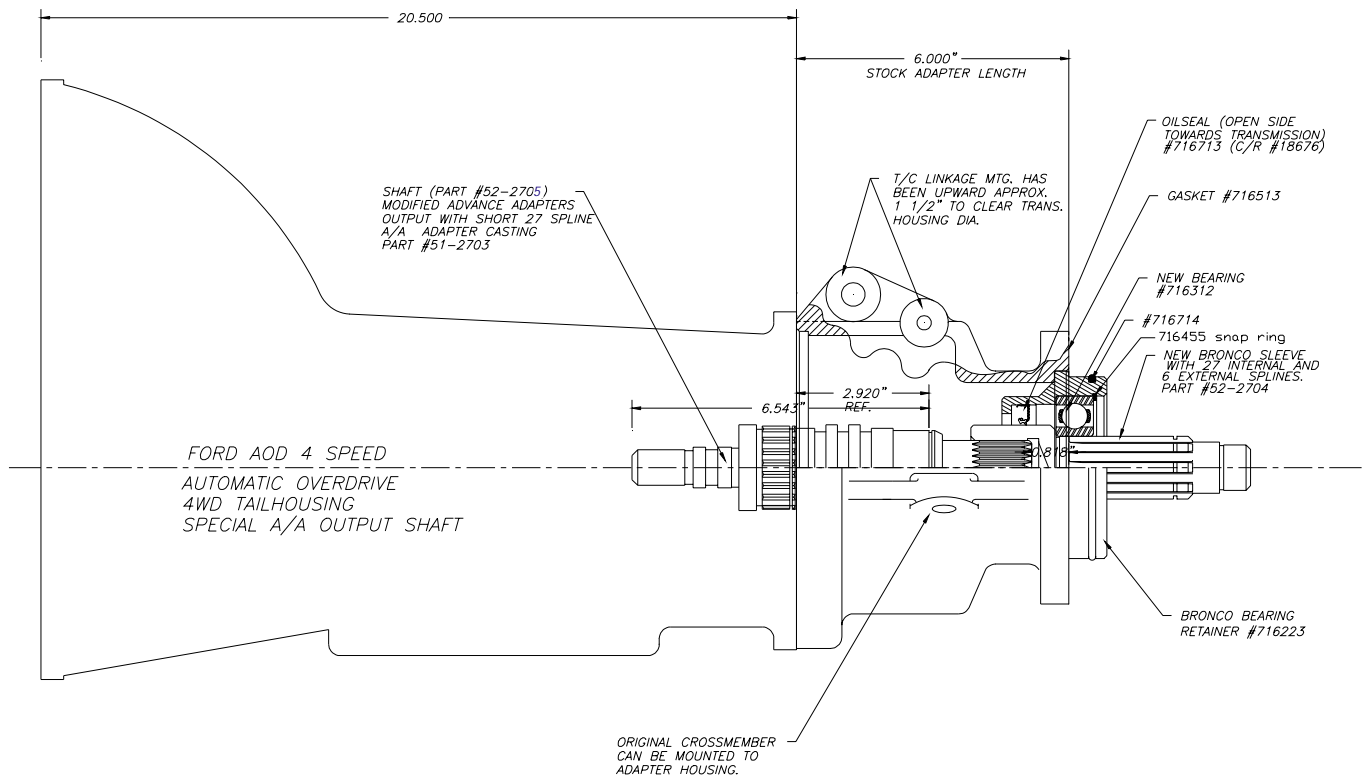
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### NOTES:

*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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### FORD AOD AUTOMATIC TRANSMISSION INFORMATION

#### USING THE NEW STYLE SHAFT 1988-89:

If you elect to update your AOD output shaft to the newer design that has the additional hole, you must change the valve and spring assembly. We have listed the three different valve and spring assembly part numbers that correspond to the various governor assembly sizes. The information listed below is a direct reprint from the Ford notice concerning AOD Governor Interchangeability.

### A.O.D. INTERCHANGEABILITY

When using this output shaft to service 1983-87 transmission models, rework the governor assembly using the supplied valve and spring assembly kits.

Identify the governor being reworked and select the proper governor valve and spring kit from the information below.

#### VALVE & SPRING DIAGRAM

ASSY. KITS	(See below)	SPRING COLOR CODE	VALVE I.D.
E7SP-7G495-DA	A	YELLOW	.250 DIA.
E7SP-7G495-CA	A	NONE	.250 DIA.
E7SP-7G495-AA	B	NONE	.175 DIA. STEP.

For disassembly and assembly of governor, see Volume D, Section 17-20 of the appropriate Car Shop Manual or Volume A, Section 17-20 of the appropriate Truck Shop Manual.

To service 1982 and prior models, use new Governor Assy. (-7C063).

