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PAGE 1 OF 3 Page Rev. Date: 02-06-20  
P/N: 50-8404

## FORD AOD 4 SPEED OVERDRIVE AUTOMATIC TO B/W 1350/1354 BRONCO II & RANGER T/C

### KIT CONSISTS OF:

No.	Qty	Part No.	Description
1.	1	51-8403	ADAPTER HOUSING 9" LONG
2.	1	52-1803	23 x 25 BRONCO II T/C SPUD SHAFT
3.	1	52-2706	SHAFT- AOD 88-93 OUTPUT TO 23 SPL.
4.	6	720010	SPECIAL METRIC BOLTS
5.	5	723704	3/8" LOCK WASHERS
6.	5	723722	H.H.C.S. 3/8"-16 x 1-1/4"

### OPTIONAL ITEMS:

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

**NOTE:** This kit was updated to a spud shaft design on 10/01/14.

Transmission main shafts: The new main shaft is manufactured in-house. We have cleaned the internal oil holes of this shaft, however, before installing the oil holes should be double checked for debris.

### GENERAL INFORMATION:

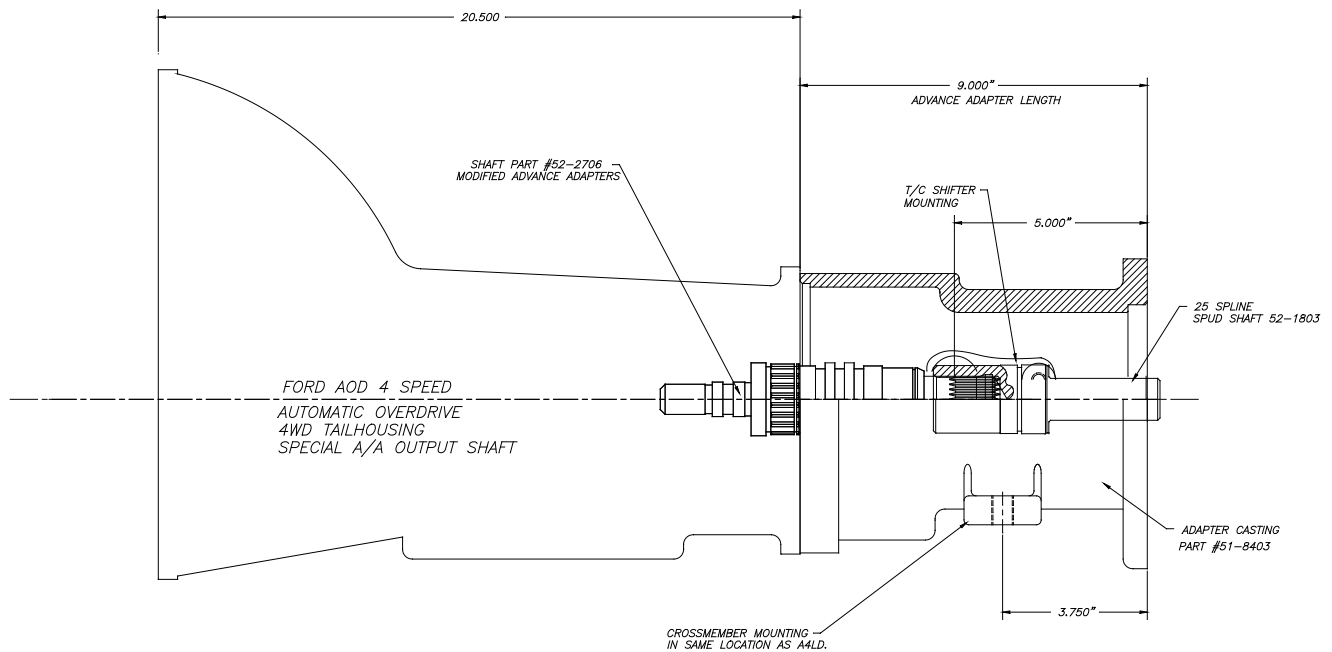
This adapter kit can be used for the Bronco II V8 engine conversion installations that are replacing either the A4LD automatic transmission. The overall length of the new AOD transmission case plus the length of the new adapter housing will be the same overall length as the original A4LD. If you are attempting to use this transmission for replacement of the original 5 speed, it may be necessary to modify the drive lines and transfer case location. The AOD adapter kit is only available in the one length and if your existing transmission assembly is not 29-1/2", plan on transfer case relocation.

Every attempt has been made to duplicate the original AOD tailhousing. Before final assembly into the vehicle, you must verify that the shift linkage clearance in the tailhousing is sufficient. A test on the linkage lever will make sure that the proper clearances have been achieved. The new main shaft must be installed into the AOD transmission.

The transfer case adapter has been furnished with a transfer case linkage mounting holes and crossmember support holes identical in location to the original A4LD adapter. Slight modifications may be necessary.

**SPECIAL NOTE:** The components packaged in this kit have been assembled and machined for a specific type of conversion. Modifications to any of the components will void any possible warranty or return privileges. If you do not fully understand the 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. Always inspect parts prior to installation for consistency with the OEM offering (e.g., spline count, tooth count, lubrication points, etc.).

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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**

<b>ASSY. KITS</b>	<b>SPRING COLOR CODE</b>	<b>VALVE I.D.</b>
E7SP-7G495-DA	YELLOW	.250 DIA.
E7SP-7G495-CA	NONE	.250 DIA.
E7SP-7G495-AA	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).*

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