

ADVANCE ADAPTERS INC.

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

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P/N: 50-4400

Old Part No: 711044

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Page Rev. Date: 04-17-01

FORD C4 AUTOMATIC TRANS TO TOYOTA 4WD TRUCK 1979-87 (21 Spline)

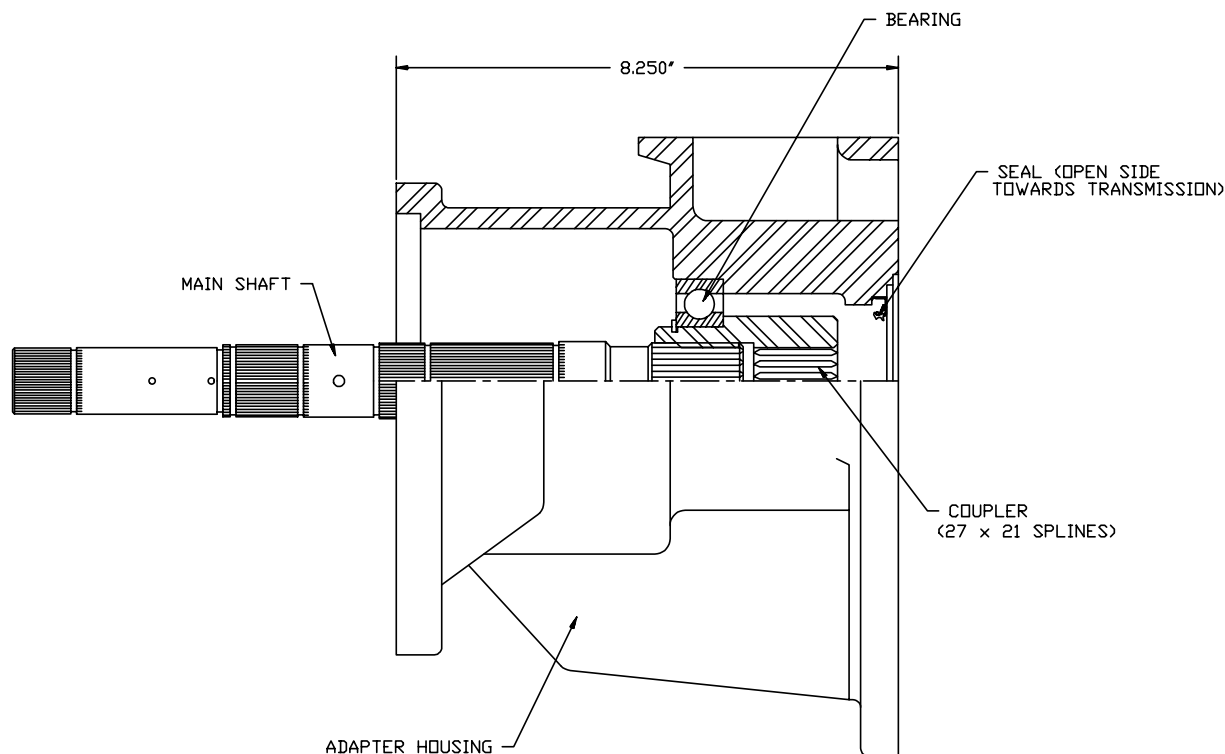
KIT CONSISTS OF:

No.	Qty	Part No.	Description
1.	1	51-4300	ADAPTER HOUSING (Ref: 711143) (Assembled by AA)
2.	1	52-6200	COUPLER (27 X 21) (Ref: 711362) (Assembled by AA)
3.	1	52-8200	C4 TRANS SHAFT-27 TOOTH (Ref: 711382)
4.	1	716061	VENTPLUG
5.	1	716063	COVERPLATE
6.	1	716308	BEARING (Assembled by AA)
7.	1	716450	SNAP RING (GM #3785205) (Assembled by AA)
8.	1	716563	GASKET
9.	1	716564	GASKET FOR TOYOTA T/C
10.	1	716734	SEAL (NAT# 471833) (Assembled by AA)
11.	4	720040	METRIC BOLTS 8mm X 1.25 X 20mm
12.	1	TT001	TOYOTA TRUCK INSTRUCTION MANUAL

ADVANCE ADAPTERS IN-HOUSE PROCEDURES

NOTE: Shaft 52-8200 must
be shortened .375".

NOTE: Please verify the shaft output spline is 27 spline, before installing into your 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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FORD C4 AUTOMATIC TRANSMISSIONS

The Ford C4 automatic transmission has a case length of 11-1/8", 11 bolts for holding the oil pan in position, and has a removable front bellhousing. The bellhousing is available for 289, 302, 351C, and 351W Ford engines. There is two different main case options that are referred to as either a "*flared case*" or a "*step case*". The *step case* has the oil dipstick entering the transmission case, while the *flared case* has the dipstick entering the transmission pan. Both models are acceptable for use with all the Advance Adapters kits. The V8 bellhousing length is 5-7/8", and can be interchanged with the 2.8 V6 bellhousing on Bronco II and Ranger conversions. On transmissions 1970 and earlier, the pump shaft was slightly longer and will require shortening for use with our new output shafts. The transmission should be assembled by a competent mechanic to make sure the transmission operates correctly. The new shaft should be identical to the original shaft with the only exception being the new splined area for use with the transfer case adapter.

Most C4 transmissions have a breather on the main case of the transmission. There are a few applications where the breather is installed into the tailhousing. We have included with your kit a new breather for installation into your new adapter housing. The installation procedure is to simply press the new vent plug into position. If this is not done, then you will have extreme pressure and leakage out the transmission dipstick.

When installing the new tailhousing on the back of your transmission, it may be necessary to trial fit the adapter into position; and make sure that the linkage has all the proper clearance on the internal cavity of the adapter. The bolting of the tailhousing to the main transmission may need a slight amount of grinding for proper head clearance due to the aluminum sand casting tolerances.

The coupler in this kit is made for a 21 spline male shaft that protrudes from the front of your transfer case. When replacing transmissions that were equipped with turbocharged engines, you will need to use a 23 spline coupler in place of the 21 spline coupler furnished with this kit.

When installing the new transfer case adapter, make sure that the coupler and the output shaft do not bottom out. The adapter housing and spud shaft must be assembled to the back of the transmission without interference. **DO NOT FORCE THE NEW TAILHOUSING ONTO THE TRANSMISSION.** If assistance is needed, please feel free to call the number listed above.

Make sure the bearing retainer clip found on the front side of some transfer cases is removed prior to assembly of the new adapter. This clip was used to retain lower bearing in Toyota transfer case.

All installations will require the use of a transmission cooler. The cooler can be either installed in the radiator or a remote location is acceptable. The transmission shift control needs to be cable operated. We offer a B&M sport shifter, P/N 715680

The linkage on the Toyota transfer cases will vary. Some have the control lever on the tailhousing of the transmission, while others have it on the transfer case. This adapter can be used with either style and if the opening is not used on the top of the new housing, you will need to cover the square opening.

If you have a 1989 - 95 electronic fuel injected 4 cylinder. The transfer case shifter linkage was relocated on the 5 speed tailhousing. The shifter mechanism for both the transfer case and the transmission were one unit. When using this transfer case with any of our transfer case adapters, you must either modify or replace your transfer case. By changing the shifter rods from a 1984-88 (Carbureted 4 cyl.) transfer case or using Toyota part numbers 36314-35020 (high-low rod) and 36313-35020 (front drive rod), you will be able to retain your stock transfer case. The other option is to purchase a 1984-88 (Carbureted 4 cyl.) transfer case.

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