

ADVANCE ADAPTERS INC.

P.O. Box 247, 4320 Aerotech Center Way
Paso Robles, CA 93447
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P/N: 27-3530AA

New Item: (08/07)
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NV3550 5-SPEED TO DANA 300 TRANSFER CASE

KIT CONSISTS OF:

No.	Qty	Part No.	Description
1.	1	50-8604	DANA 300 ROTATION KIT
2.	1	716007-PLT	CROSSMEMBER ADAPTER PLATE
3.	1 Kit	716099A	SHIFT HANDLE
4.	2	724303	7/16" LOCK WASHER
5.	2	724304	7/16" NUT
6.	4	724322	7/16"-14 x 1-1/4" F.H.C.S.
7.	1	JP001	JEEP INSTRUCTION MANUAL

NOTE:

The front retainer must be shortened when coupling this transmission up to a GM V8 or V6 engine (Using a 712591 bellhousing kit).

INSTRUCTIONS:

This kit is designed for Jeeps 1980-86 with a Dana 300 transfer case. The overall length of the NV3550 transmission is 16.750" long, and most bellhousings we offer for this transmission are 7.500" long. We have supplied the 50-8604 rotation kit allowing the NV3550 to accept the Dana 300 bolt pattern rotation. When installing the Dana 300 to the NV3550 you may be required to modify your transfer case shifter. The pivot pin on the Dana 300 transfer case must be installed so that the cotter pin is closest to the new transmission. You may also be required to grind a bit of the transmission webbing to obtain clearance for the pivot pin. The shifter handle should fit without any modifications. The NV3550 has the proper spline engagement and proper indexing for the Dana 300. Silicone should be used between the transmission and transfer case. The stock stud bolt on the transfer case and stock nuts from the Dana 300 should be retained.



A crossmember adapter plate has been provided to change the four bolt crossmember transmission pad on the NV3550 to a two bolt pattern mount that was used on your stock Jeep. The location of the rubber crossmember mount may not line up with the stock skid pan slots; therefore, you may be required to re-slot your stock skid pan to fit the new transmission assembly.



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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This NV3550 uses a special gear oil only available from your Chrysler dealer under P/N 4874464.

We offer three bellhousing adapters for the NV3550. The adapter kits listed below are sold separately.

Chevy V6 & V8 engines

712591 - Full bellhousing 7.125" long. This bellhousing can only be used with an hydraulic clutch assembly. The following parts are also required.

CF360056 10-1/2" P.P.

N1714 Release Bearing

383271 10-1/2" Disc

716213 Slave Cylinder

Ford V8 engine

712544 - This kit uses a adapter plate that bolts to a stock ford bellhousing. The 1" adapter combined with the 6.500" bellhousing gives you a 7.500" bellhousing assembly. The stock Ford bellhousing does require some modifications. This bellhousing can be used with either mechanical or hydraulic clutch linkage. The adapter comes with a new clutch disc.

AMC 6 cyl.

712590 - Full bellhousing 7.500" long. This bellhousing can only be used with an hydraulic clutch assembly. The NV3550 bellhousing is designed to work with a Centerforce pressure plate (P/N [CF361890](#)) and clutch disc (P/N [384193](#)). We offer a slave cylinder kit (P/N [716340](#)) that includes all of the necessary components to fit this bellhousing and to work with your stock Jeep master cylinder.

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