

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: 50-7100

Old Part No: 711071

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Page Rev. Date: 05-22-02

GM TURBO 350 TO NEW PROCESS 208 TRANSFER CASES 1981-1989

KIT CONSISTS OF:

| <u>No.</u> | <u>Qty</u> | <u>Part No.</u> | <u>Description</u> |
|------------|------------|-----------------|--------------------|
| 1. | 1 | 50-7100 | TRANSMART KIT |

GM TH350 3 SPEED AUTOMATIC:

The General Motors TH350 has a case length of 21-1/2", 13 bolts for holding the oil pan in position and is available in two different engine to transmission bolt patterns. The case is available with a Chevy bolt pattern that has the top two holes 8-1/4" apart or in a Buick bolt pattern that have the top two holes 7" apart. The rear side of the transmission case should have a square bolt pattern that uses 4 bolts. There are several various lengths of output shafts that these transmissions have been furnished with and you must make sure the proper shaft has been installed into the transmission for use with the our transfer case kit. All TH350 output shafts will have 27 splines. The speedometer gear is normally located in the tailhousing, but when adapting it to the transfer case, the location will change to the back side of the transfer case. The rear transmission support is located in the main case just forward of the tailhousing connection. This can be used for supporting the crossmember on some installations, but most of our kits provide support on the new adapter housing.

You must install the new output shaft we have supplied. This requires internal disassembly of your transmission, **which should be completed by an experienced technician**. When installing the new transfer case adapter, make sure that the transfer case coupler and output shaft do not bottom out. **DO NOT FORCE THE NEW TAILHOUSING ONTO THE TRANSMISSION**. If assistance is needed, please feel free to call the number listed above.

When assembling the adapter housing to the transmission case, we have provided you with a new square-type "O"-ring seal to prevent fluid leakage. This seal is a stock GM item that is used on all TH350 installations.

If you have selected a transmission that has the old style modulator then we recommend the use of the Advance Adapters adjustable modulator, Part No. 716010. This will also allow for additional driveshaft clearance.

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 can either be a Hurst floor mounted type shifter or sometimes the existing column shift can be modified on certain applications.

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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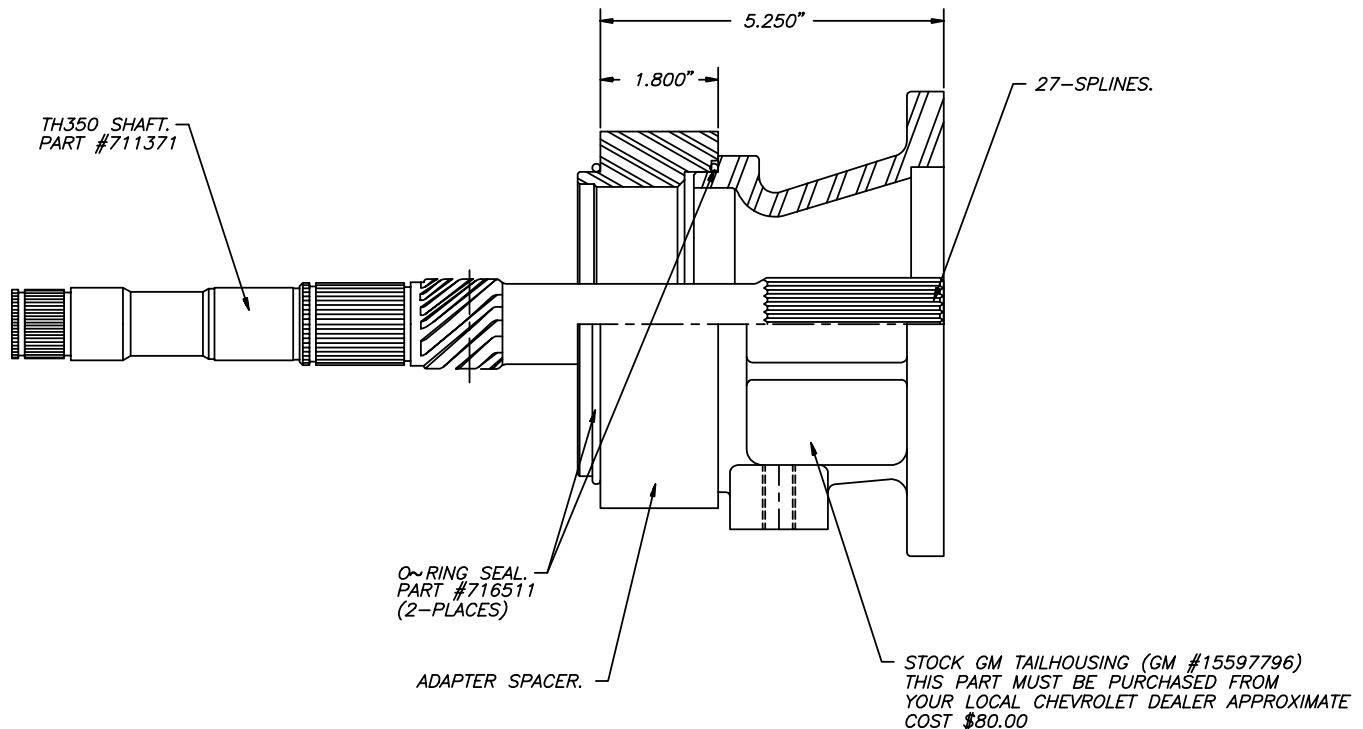
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