

# ADVANCE ADAPTERS INC.

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**P/N: 50-4732**

New Item: (05/09)

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## GM TRUCK 4SPEED MODEL SM465 SHORT 32 SPLINE SHAFT

### KIT CONSISTS OF:

No.	Qty	Part No.	Description
1.	1	52-4732	MAIN SHAFT
2.	1	716349	SHAFT SLEEVES

### GM & CHEVY SM465 4 SPEEDS 1968 & UP:

This transmission can be identified by a case length of 12". The casting numbers on the case should be *GM465452*, *6273212* or *3901127*. The top shift cover casting number should be *GM3901131*. The P.T.O. opening is available on both sides of the main case. This transmission has a non-synchro first gear. The gear ratios for this transmission are as follows:

<b>First Gear</b>	<b>6.46</b>	<b>Second Gear</b>	<b>3.58</b>
<b>Third Gear</b>	<b>1.70</b>	<b>Fourth Gear</b>	<b>Direct</b>
<b>Reverse</b>	<b>6.09</b>		

We highly recommend using a manual transmission shop for installing the output shaft in the transmission.

If you attempt the installation on the SM465 shaft on your own, please be careful with the sleeves as they are a press fit and they can shatter during installation. The sleeves are a very close tolerance. To help in the assembly of these sleeves, you can heat them in an oven (250 degrees for 10 minutes) which will increase the size of the bushing making it easier to install. (Be sure to use eye and face protection when pressing, and leather gloves when handling the heated bushing.)

You will need to retain the stock rear bearing, thrust washer and locking nut from your old output shaft. On GM 2WD transmission, a new washer and nut must be purchased from a transmission shop.

This output shaft is a universal length, it may require to be shorted depending on the adapter casting that you are using. If used with an Atlas transfer case please refer to the input section of the Atlas manual to verify the stick out length. Do not force the transmission and transfer case together.

**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.