

ADVANCE ADAPTERS, INC.

P/N: 50-0404

**GM 4L60E AUTOMATIC TO
JEEP DANA 300 TRANSFER CASE**

KIT CONSISTS OF:

No.	Qty.	Part No.	Description
1.	1	51-0403	CASTING
2.	1	51-0404	ADAPTER RING
3.	1	52-0402	OUTPUT SHAFT
4.	1	300619	SENSOR
5.	1	716070	RELUCTOR RING
6.	1	716511	"O"-RING
7.	1	716517	GASKET
8.	4	720046	10mm 1.5 THREAD BOLT S.H.C.S.
9.	1 Kit	302070	TRANSFER CASE STUD BOLT KIT
10.	4	723704	LOCK WASHER
11.	6	723731	S.H.C.S. 3/8"-16 x 1".
12.	1	JP001	JEEP INSTRUCTION MANUAL

OPTIONAL ITEMS:

No.	Part No.	Description
1	716021	CROSSMEMBER

Sensor note: The sensor in this kit was changed in October 2005. This sensor will match up with the GM pigtail P/N 88987993 or Carquest P/N TX3A. The old sensor used in earlier kits matches up to GM pigtail P/N 12085498.

SHIPPING NOTE!
716070 must be installed
on 52-0402 before shipping.

SPECIAL NOTE: The components packaged in this kit have been assembled and machined for specific types of conversions. 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.

ADVANCE ADAPTERS, INC.

P/N: 50-0404

GM 4L60E AUTOMATIC TO JEEP DANA 300 TRANSFER CASE

GM 4L60 4 SPEED AUTOMATIC

When installing the new transfer case adapter, make sure that the output shaft doesn't bottom out. We have found on occasion that a transmission output shaft may be slightly longer than we have allowed for and when coupling into the transfer case. The adapter housing must be assembled between the transmission and transfer case without interference. **DO NOT FORCE THE NEW ADAPTER HOUSINGS TOGETHER.** If assistance is needed, please feel free to call us on our toll free number, (800) 350-2223.

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 4L60 installations. On most installations, a slight pan modification may be required for clearance of the front Universal yoke. In order to allow for additional front drive line clearance, we recommend that the engine and transfer case be offset to the driver's side on vehicles having front drive shafts located on the passenger's side. On Jeep and Toyota Land Cruiser conversions, this can be approximately 1" offset of centerline.

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.

The bolts that hold the new adapter to the main case will require a metric thread. We have included 4 new bolts for this use.

The 4L60 works with a reluctor ring. The reluctor ring and sensor have been provided with this kit. When installing the reluctor ring on the shaft, there is a shoulder on the shaft that seats the ring in the proper location. This ring is a light press fit.

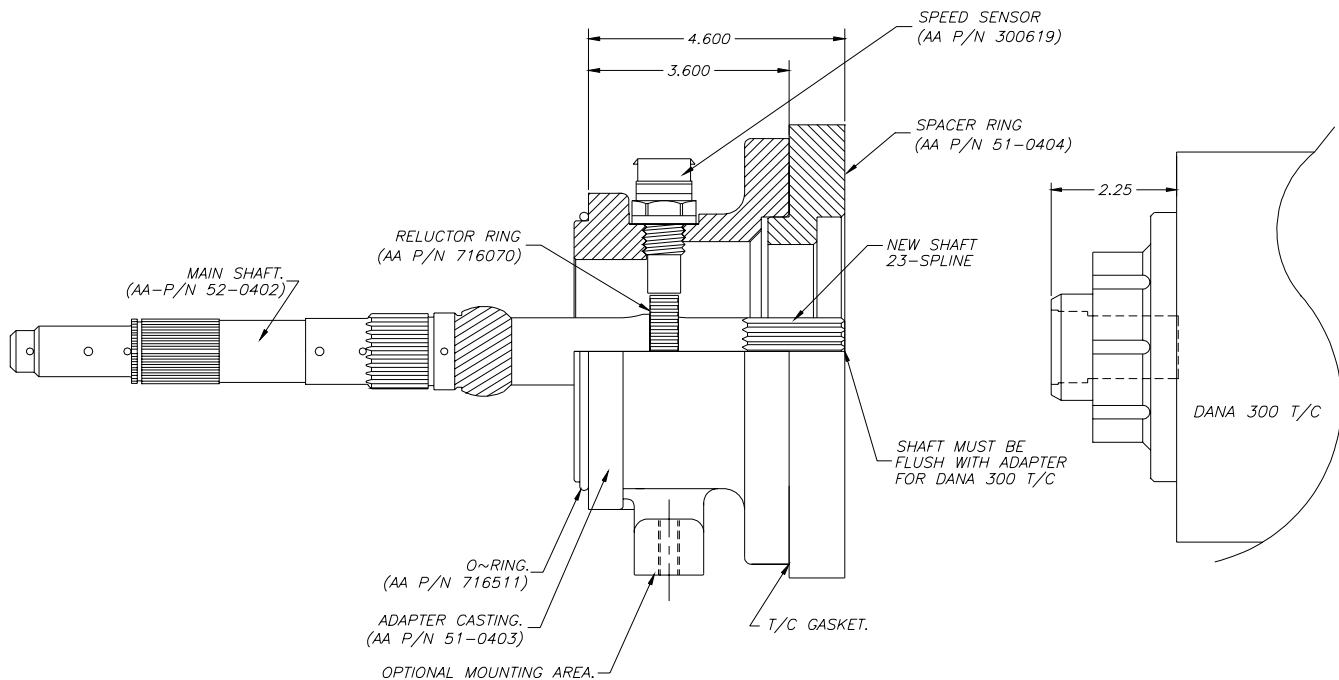
The Advance Adapter casting has been drilled and tapped for your new sensor. To install the sensor, first apply Loctite to the sensor threads. Next install the sensor and torque to approximately 20 in./lbs. Check the air gap between the sensor and the top of the teeth on the reluctor ring. This dimension should be between 0.009" and 0.013". If not within this tolerance, adjust the torque specifications until gap is within tolerance.

SPECIAL NOTE: The components packaged in this kit have been assembled and machined for specific types of conversions. 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 vales, wiring diagrams and other related equipment. These manuals are normally available at automotive dealerships and parts stores.

ADVANCE ADAPTERS, INC.

P/N: 50-0404

GM 4L60E AUTOMATIC TO JEEP DANA 300 TRANSFER CASE



SPECIAL NOTE: The components packaged in this kit have been assembled and machined for specific types of conversions. 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.