



INSTRUCTIONS

-J00079

REV. 11-15-96

Kit Number 35613-84B

XL TRANSMISSION COUNTERSHAFT KIT

General

This kit is designed for installation on late 1984 - 1990 XL model vehicles.

NOTE

See Figure 1. This new countershaft has been redesigned to increase service life. The shaft has been radiused where the smooth bearing surface meets the splined area.

NOTE

To allow for the radius on this shaft, the inside spacers, used for spacing between the countershaft and first gear, have also been redesigned. These inside spacers have a larger inside diameter to allow the spacer to fit over the radius on the new countershaft. The outside spacers in this kit have been redesigned to increase the thrust surface area. Add spacers from kit, as necessary, to meet countershaft end play specifications of 0.004 to 0.015 in.

CAUTION

Failure to use the correct spacers in this kit will result in incorrect gear spacing and possible transmission failure. Do not attempt to substitute other spacers for spacers in this kit.

QTY	DESCRIPTION
1	Countershaft, transmission
1	Spacer, inside, 0.030 in. thick
1	Spacer, inside, 0.035 in. thick
1	Spacer, inside, 0.040 in. thick
1	Spacer, inside, 0.045 in. thick
1	Spacer, inside, 0.050 in. thick
1	Spacer, inside, 0.055 in. thick
1	Spacer, outside, 0.030 in. thick
1	Spacer, outside, 0.035 in. thick
1	Spacer, outside, 0.040 in. thick
1	Spacer, outside, 0.045 in. thick
1	Spacer, outside, 0.050 in. thick
1	Spacer, outside, 0.055 in. thick
1	2nd Gear, mainshaft
1	3rd Gear, mainshaft
1	2nd Gear, countershaft
1	3rd Gear, countershaft

Installation

1. Refer to appropriate Service Manual for all removal, assembly and disassembly procedures and for proper gear and transmission spacing.
2. Disassemble transmission countershaft following instructions in appropriate Service Manual
3. Reassembly countershaft assembly using countershaft spacers included with kit.

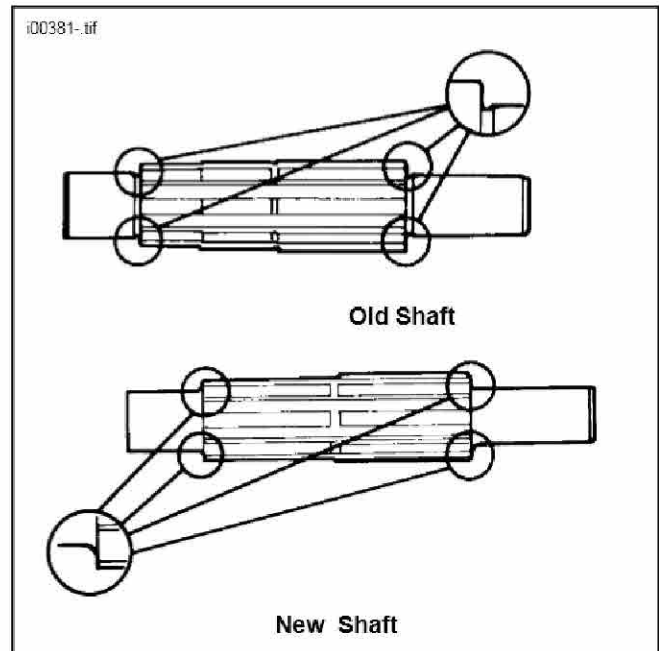


Figure 1. Old Shaft/New Shaft Comparison

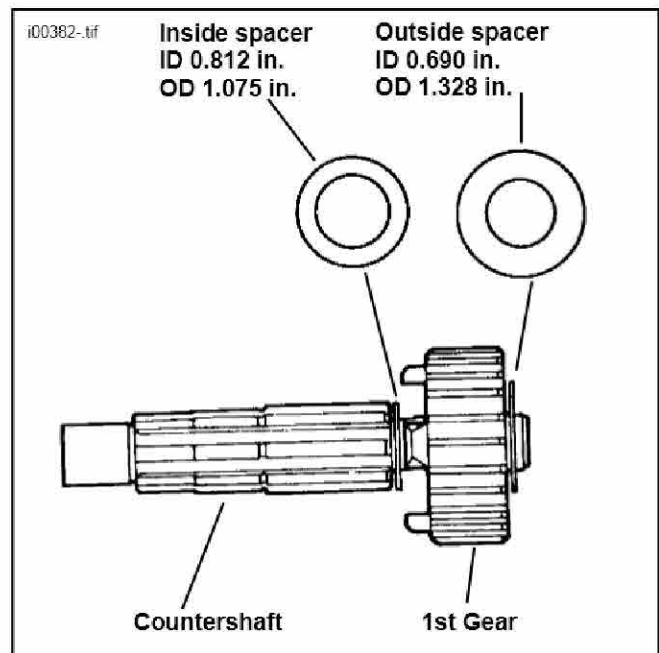


Figure 2. New Shaft and Spacers

4. See Figure 2. Spacers with ID of 0.812 in. and OD of 1.075 in. must be used between the countershaft and first gear. Spacers with ID 0.690 in. and OD 1.328 in. must be used between first gear and transmission case.