

## Specifications

The JT5 is fully synchronized in all 5 forward gears. It has a non synchronized reverse gear. ( Synchronized reverse is and option ). All mainshaft gears are on needle bearings and all blocking rings except for 5th gear are of fiber composition with a dual cone design on 1st and 2nd gear. The weight of a 6 cylinder JT5 is 75 lbs..

### Popular *JT5* Gear Ratios      Standard Jaguar 4 Speed Ratios

1st	2nd	3rd	4th	5th	1st	2nd	3rd	4th
3.35	1.99	1.33	1.00	.73	3.37	1.86	1.28	1.00
.40	.33	.24	.27		.45	.31	.22	(percentage drop)
2.95	1.94	1.34	1.00	.80	2.94	1.90	1.39	1.00
.34	.30	.25	.20		.35	.27	.28	(percentage drop)

*Other overdrive ratios available*

### Replacement Parts List

Front Seal	12363 (Chicago Rawhide Number)
Rear Seal	16871 (Chicago Rawhide Number)
Rebuild Kit	BK-JT5 (Includes bearings, seals, small parts, synchros)
Front Bearing	Set 5 (LM48510 / LM48548) Timken
Rear Bearing	(25877 - 25821) Timken
Countergear Rear Brg.	Set 6 (LM67010 / LM67048) Timken
Countergear Front Brg.	(LM67010-BCE / LM67048) Timken



# Jaguar JT5 5 Speed Installation Manual for 6 Cylinder E Type Model S

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Serial Number \_\_\_\_\_ Model Number \_\_\_\_\_

## ***JT5 Conversion Notes***

**Thank you** for purchasing this all new custom five speed transmission designed for the Jaguar 6 cylinder E-Type platform. We have taken great care into making sure your transmission conversion is done without any surprises. We welcome any questions and comments concerning our kit. Please contact us for support if needed using our voice, fax, website, and email numbers.

### **Kit Contents:**

JT5 Transmission  
JT5 Transmission Floating Flange  
Modular Bellhousing  
Clutch Disc ( 9.5" or 10" size )  
Mount Plate  
Transmission Rubber Isolation Mount  
Shifter and Knob Assembly ( base, stick, knob and chrome locking collar)  
Drive Shaft  
Hardware Package

### **Hardware Package Contents:**

4 shifter mounting bolts with lock washers  
4 transmission bellhousing bolts with lock washers  
2 transmission rubber mount bolts with flat & lock washers  
1 transmission mount bolt to mount plate with lock and flat washer  
2 transmission mount shim plates  
2 wire connectors for reverse light switch  
8 grade 8 bolts for driveshaft with lock washers and nuts

### **Installation Notes:**

The JT5 installs just like the factory 4 speed. Please take the time to read additional instructions that come with the kit such as the "Read Me First" sheet as well as the "Bellhousing Installation" instructions.

***The JT5 Shift Pattern***



### ***Shifter Mounting***

The shifter stick can unscrew from the shifter body. It is designed that way if you prefer to mount the shifter base to the transmission first and then put the stick on it later. Please use liquid threadlocker on the stick and Silicone sealant on the shifter base before fastening it to the extension housing.

### ***Speedometer Cable Installation***

Since the JT5 angle drive position relocates to the opposite side and faces upwards, to avoid oil leaks, you may find that your original cable will not conform to the new position. Check that your cable can bend to the new position. No speedometer calibration is necessary.

### ***Drive shaft Installation***

The new driveshaft supplied with your JT5 was designed to incorporate a modern slip yoke design. Avoid installing the JT5 in the car with the slip yoke in place since it can be pushed into the rear seal or be damaged. The driveshaft and yoke should be placed in the tunnel BEFORE the transmission is installed.

### ***Lubrication***

We recommend DEXTRON III type oils. We prefer and like **Mobil One ATF or Royal Purple Synchromax**. Do not use conventional 80w-90w gear lube. Use of any gear lube will ruin the synchro rings and cause lubrication problems.

### ***Backup Light Switch***

The JT5 comes with an integral back up light switch. An adapter harness is supplied to make the hook up easy. Splice the wires into your existing wiring.

### ***Service Parts and Warranty***

We stock a complete line of OEM service parts. We also carry rebuild kits for these transmissions that include all bearings, blocking rings, seals, sealant, small parts, and shim packs. The transmission comes with a 1 year warranty. Warranty information is located with your supplied warranty sheet. Your transmission serial and model number are located on the front cover of this booklet.

### ***Important Clutch Notes***

The JT5 modular bellhousing works with all clutch sizes as well as engines. Your old clutch fork, slave cylinder, flywheel and clutch pressure plate can be reused. Install the JT5 with the new clutch disc supplied.