

***Jaguar
JT5
5 Speed
Installation
Manual
for
XK120 - XK150***

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Shifter Mounting

The shifter stub supplied allows for bolting of a bracket that can have a factory stick welded to it. You may have to remove some insulation and trim the factory rubber boot in this area. Use RTV sealant on the shifter body when bolting it to the tail housing.

Speedometer Installation

A cable is supplied to adapt the JT5 to your Jaguar speedometer. Route the cable away from all exhaust pipes and avoid sharp bends.

Drive shaft Installation

The slip yoke supplied with the JT5 utilizes what is called a standard Spicer 13-10 U-Joint configuration. Once the transmission is installed in the vehicle insert the slip yoke and bottom it out in the transmission and pull it back 3/4 of an inch. Measure the center to center distance of the U-Joints from the slip yoke to the flange on the rear axle. Have a solid tube driveshaft made locally using these new measurements. Typical measurement is 26.75" center to center of U-Joints. This figure is for non adapter plate installations. Subtract the thickness of the adapter plate from the common 26.75" length.

Lubrication

We recommend DEXTRON II or III oils. 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.

Service Parts

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.

Important Clutch Notes

XK120-150 cars use a 10" diameter clutch. A 10" diameter clutch disc must be used with a 10 spline 1 1/16" dia. or 23 spline 1" dia hub. This depends on what input shaft your JT5 is supplied with. We have custom clutch discs made that have the same width as Jaguar discs and come with performance facings. We recommend using our discs but aftermarket 10" discs can be used from most clutch manufacturers that have these dimensions. Check that your clutch splines allow for enough free movement when the transmission is installed.

The JT5 is fully synchronized in all 5 forward gears. It has a non synchronized reverse gear. 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 typical JT5 is 80 lbs.. These gear sets are rated at 330 Ft. Lbs. static torque.

Popular JT5 Gear Ratios					Jaguar 4 Speed Ratios			
<i>1st</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>	<i>5th</i>	<i>1st</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
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	.73	2.94	1.90	1.39	1.00
.34	.30	.25	.27		.35	.27	.28	(percentage drop)
<i>Other overdrive ratios available</i>								

***All ratios also available with .80 Overdrive
Other JT5 Products***

Heavy Duty Billet Shifter.

Rebuild Kit (includes all wearable parts).

Heavy Duty 10" clutch disc.

Custom billet shift knobs and handles.

Thank you for choosing Medatronics and the JT5!

Serial Number

Model Number