



Manual Transmission - Installation Instructions

	Remove, clean and inspect end yoke for spline wear. Replace if needed
	Remove, clean and inspect speedometer drive, driven gear or sensor. Replace if needed
	Install speedo drive gear on transmission shaft. Install driven gear or sensor in output retainer. <ul style="list-style-type: none"> NOTE: Do not change rear bearing retainer without contacting your supplier first.
	Install new or inspected yoke on to Reman Transmission. Ensure fastener is torqued to manufactures specification.
	Remove transmission bell housing. Clean and inspect for wear. Replace clutch release bushings.
	Confirm all clutch related parts are not worn. This includes release fork, release rods or any hydraulic assist components. Replace if needed.
	Install bell housing on to remanufactured transmission. Make sure gasket is used when applicable. Fasteners are torqued to manufacture specifications.
	Install inspected clutch release parts into transmission bell housing, grease after installation.
	Inspect Engine mounts for wear. Replace if needed.
	Inspect stick shift assembly. Confirm no wear on lower finger, isolator has no wear or excessive movement and O-ring in tower has been replaced (applicable to Eaton /Fuller).
	Service the flywheel by resurfacing, install new pilot bearing. Make sure flywheel dowels are not worn.
	Install the resurfaced flywheel and new clutch onto engine.
	Verify flywheel runout on engine bell housing. Maximum allowed is .001" runout or face wobble per inch of flywheel radius. <ul style="list-style-type: none"> Example: 14" clutch is allowed .007 of runout.
	Install new clutch brake over input shaft. Lightly lubricate input shaft with dry graphite lube.
	Install the transmission assembly making sure the fasteners are torqued to manufacture specifications.
	Remove the Power Take-Off from the transmission core.
	1. Completely clean the PTO inside and outside
	2. Inspect PTO gearing for wear making sure the input gear does not have excessive side play, overhaul if needed. Reseal if leaking.
	3. Mount the PTO using PTO shim gaskets. DO NOT use cork or the sealing gasket that comes with the transmission.
	4. Set PTO backlash between .006 to .012
	Properly clean and flush the cooling system, radiator or heat exchanger. Replace if needed.
	1. Verify that cooler holds pressure and that oil lines are not worn or blocked.
	Fill the transmission circuit with approved OEM lubricant to the bottom of the fill plug. Do not under fill or overfill the system. <ul style="list-style-type: none"> NOTE: If a cooling system exists, let truck idle for minute or 2 to allow the cooler and lines to fill up then re-top off the fluid.
	Confirm that the Transmission is leak free.

	Confirm that the air system has the proper pressure, has no leaks and is contaminate free.
	Inspect the driveline
	1. Confirm U-joints are not worn
	2. Confirm driveline is in phase and is properly balanced.
	3. Confirm carrier bearings have no wear, mounts are tight, rubber is not rotted.
	4. If equipped with air ride suspension, confirm ride height must be set to truck manufacture specification
	Road test the vehicle ensuring proper operation and that installed transmission is free of any oil leaks or air leaks.