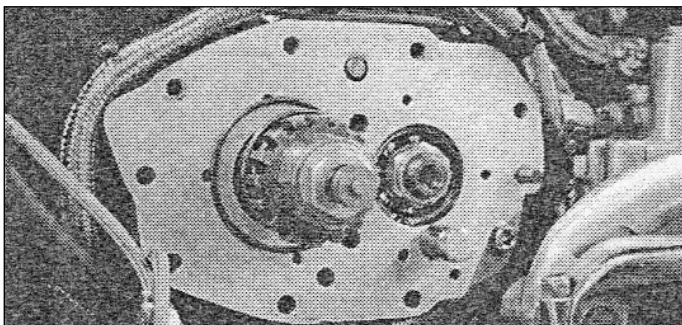


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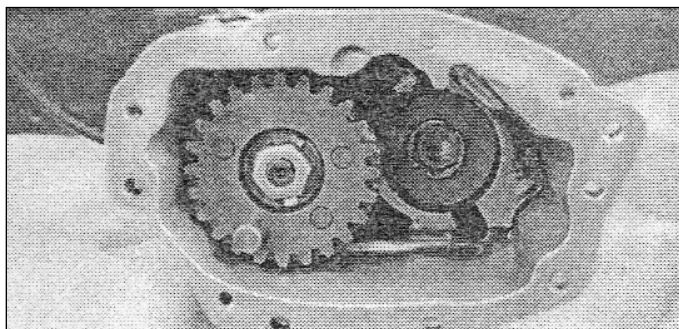
5 SPEED KICKER KIT

- 1: Disassemble the stock transmission cover and remove the clutch release from the cover.
- 2: Remove the mainshaft and countershaft nuts.
- 3: Remove bearing plate mounting screws and take off the bearing plate. Take out the snap rings that locate the main and countershaft bearing and press out the bearings.
- 4: Install bearing snap rings in the grooves (one side only) of the bearing plate that is supplied with the kit. Press in the bearings and install the snap rings on the other side. Make sure the snap rings are securely seated in the groove.
- 5: Remove the OEM dowel pins from transmission housing, and clean the gasket surface. Install (longer) dowel pins supplied with the kit in the transmission housing. Place the new gasket against transmission housing. (front and rear gasket are different, make sure to select the right gasket) Use a small amount of silicone gasket to hold the paper gasket in place. Install the bearing plate by carefully tapping the bearings over shafts with a plastic hammer.



- 6: Install washer and lock nut on countershaft. (front shaft) Discard washer from mainshaft and install the shaft extension without the washer. Use Loctite or other locking fluid to secure the extension. Both counter shaft nut and shaft extension must be torques to 33 ft/lbs (4,5 kg/mtr)
- 7: Install the starter ratchet spring, starter ratchet gear, starter clutch key, starter clutch, tab washer and nut on the mainshaft extension. (bushing in ratchet gear may have to be reamed to size) Tighten nut to 35 ft/lbs. (4,5 kg/mtr) Re-install the clutch pushrod and bearing after securing the tab washer against the nut. **NOTE: Make sure the starter ratchet spring has enough tension to engage ratchet and gear. If there is enough tension, stretch the spring till tension is sufficient.**
- 8: Install the kickstarter gear stop (round steel bushing) using the 3/8 UNC bolt supplied with the kit.
- 9: Install and shim the kick-arm shaft and gear as described in the 4 speed workshop manual. Torque the nut to 18 ft/lbs. (2,5 kg/mtr)

- 10: Install the shifter fork shaft extension piece (supplied with the kit) and check for correct length when installed.
- 11: Place the second gasket on the bearing plate Use a small amount of silicone gasket to hold the paper gasket in place
- 12: Install the clutch release mechanism in the kicker cover as described in the OEM manual and hook on the clutch cable.
- 13: Rotate the kicker gear until the bumper points to the front.



- 14: Install the kicker cover against the bearing plate and tighten the screws. Install the drain plug in bottom of the bearing plate. (7/16 UNC thread) Install the kick start return spring and the kickstart lever.
- 15: Remove derby cover, loosen the clutch adjusting bolt, take out the snap ring that holds the clutch adjusting bolt plate and remove the plate. Replace the OEM end-piece of the clutch pushrod for the extended end-piece supplied with the kit. Re-install the bolt plate. Make sure the snap ring seats properly in the groove.
- 16: Re-adjust clutch and clutch cable and re-install derby cover.
- 17: Fill the transmission with special transmission oil, we recommend the use of Spectro Oil. (ZPN 235203 or 235206)

NOTE: Due to the larger volume of the kicker cover, the transmission needs more oil than mentioned in the OEM workshop manual. Always fill the transmission up to the "full" mark on the dipstick.

