



TRANSMISSION

**INPUT DRIVE GEAR
(COUNTERSHAFT) INSTALLATION**

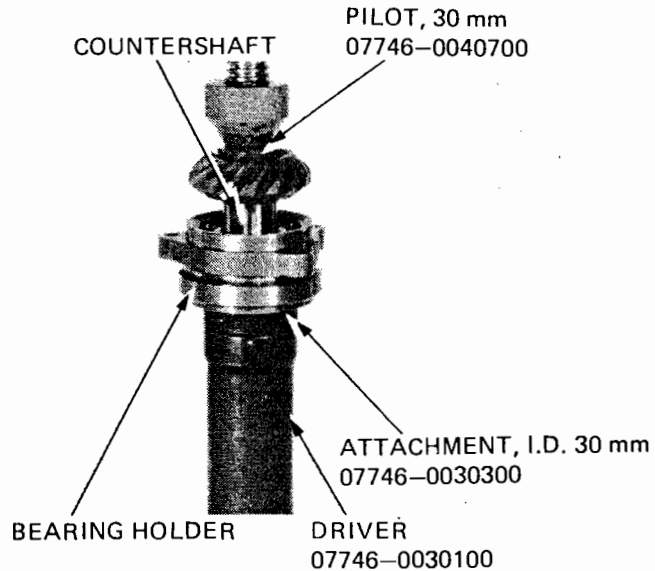
NOTE

The countershaft and driven gear must be replaced as a set if they require replacement.

Place the bearing holder in a press and support the inner race with the special tool.
Place the countershaft into the holder and press it in.

NOTE

Place the pilot's threaded end into the countershaft and be sure the attachment is aligned with the bearing inner race.

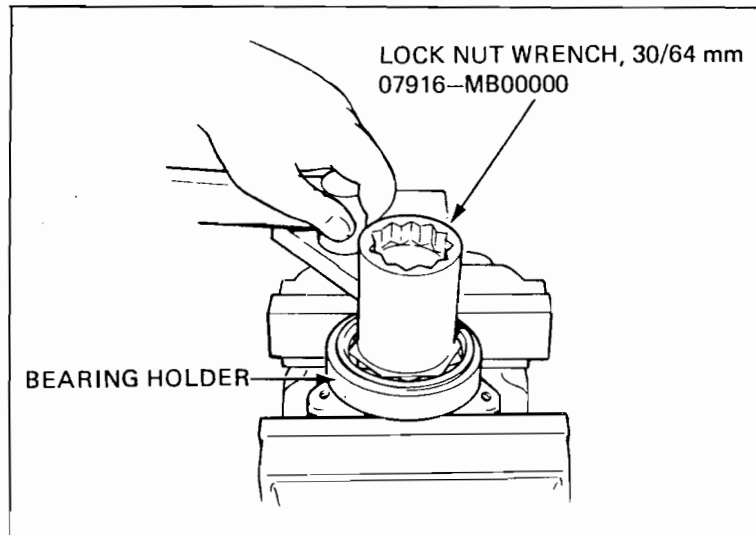


If the bearing outer race lock nut is removed, place the bearing holder in a vise with soft jaws and, apply engine oil to the bearing holder and lock nut threads. Tighten a new outer race lock nut to the specified torque value.

TORQUE: 90-110 N·m
(9.0-11.0 kg·m, 65-80 ft·lb)

Torque wrench scale reading:
80-100 N·m (8.0-10.0 kg·m, 58-72 ft·lb)

Then stake the new nut.



Place the adjustment shim over the bearing holder.

NOTE

If the countershaft/driven gear, gear case, and/or bearing are replaced, a new adjustment shim must be selected (Page 11-21 Backlash Inspection).

Apply engine oil to the bearings and gears.

Place the countershaft/bearing holder and correct shim (Page 11-22) into the output gear case.

