

TRANSMISSION SPROCKET INSTALLATION

1. Install the transmission sprocket (with belt) on the main drive gear.
2. Install the sprocket nut. The following procedure is based on whether a new or used nut is being installed.

Note: The Transmission Sprocket nut has left handed threads. Turn the nut counterclockwise to install on the main drive gear.

Sprocket Nut: apply red thread lock to the threads of the sprocket nut. Also smear a small quantity of red thread lock or clean engine oil on the inside face of the sprocket nut and the outside face of the sprocket. Limit the application to where the surfaces of the two parts contact each other. Install the sprocket nut until finger tight.

3. Obtain Final Drive Sprocket Locking Tool (BAKER P/N: Tool-C) to lock transmission sprocket. Proceed as follows:

- A. Insert handle of tool below pivot shaft inboard of bottom frame tube and attach to sprocket.
- B. Snug thumbscrew to lock position of tool on sprocket.

4. Obtain Mainshaft Locknut Wrench/Pilot (BAKER P/N: Tool-D). Proceed as follows:

- A. Install pilot on threaded end of mainshaft.
- B. Slide sleeve of locknut wrench over pilot and onto sprocket nut.
- C. Tighten sprocket nut to 60 ft-lbs. (81 Nm). As the nut is tightened the handle of the sprocket locking tool rises to contact the pivot shaft, thereby preventing sprocket/mainshaft rotation.

5. Scribe a straight line on the transmission sprocket nut continuing the line over onto the transmission sprocket. Tighten the transmission sprocket nut an additional 35 to 40 degrees.

6. Install lockplate over nut so that the two diagonally opposite holes align with two tapped holes in sprocket. To find the best fit, lockplate can be rotated to a number of positions and can be placed with either side facing sprocket.

7. If holes in lockplate do not align with those in sprocket, tighten sprocket nut as necessary (up to 45 degrees maximum) until sprocket and lockplate holes are in alignment.

TORQUE VALUES:

Transmission Mainshaft Sprocket Nut: 60 ft-lbs, then 35-40 degrees

Mainshaft Sprocket nut lockplate socket head screws: 84-108 in-lbs.

