

4. Lubricate pinion bearings, insert pinion bearing into housing and install front bearing, then seat front bearing on pinion using forcing screw and spacer, **Fig. 18. Collapsible spacer and flange seal are not installed until pinion depth has been established.**
5. Install pinion flange and nut and tighten nut to obtain specified bearing preload, rotating pinion and checking preload after each adjustment, **Fig. 2.**
6. Position depth gauge arbor over gauge block, install a dial indicator in gauge arbor with approximately .20 inch preload, then secure and zero dial indicator. **Use the following tools or equivalents, to measure pinion depth:**
 - a. 325: arbor, 331481; block (.276"), 331482.
 - b. Except 325: arbor, 331461; block (.374"), 331462.

