

RING GEAR AND PINION

Removal and Installation

Split the center (spacer) transmission and the differential.
Separate the axle housings from differential housing.

Remove hydraulic lift cover.

FIG. 5A-110: Remove all differential case bearing support bolts, then install push bolts as shown. Tighten push bolts evenly to remove bearing support.



FIG. 5A-110

FIG. 5A-111: The number of shims installed behind each bearing support should be carefully checked and recorded for assembly later.



FIG. 5A-111

FIG. 5A-112: Remove complete differential including ring gear, 17.

Remove bearing 18, using a puller.

Remove bolts through differential and separate cases, 10 & 15.

Pull out differential pinion shaft and remove pinions, 13.

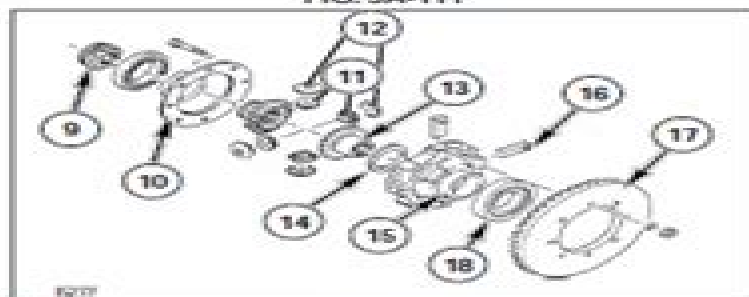


FIG. 5A-112

FIG. 5A-113: Remove bolts holding pinion with bearings as an assembly.

The number of shims installed behind bearing support should be carefully checked and recorded for assembly later.

Reverse procedures to install ring gear and pinion, with following information:

After all bolts are torqued properly, as outlined in ring gear and pinion overhaul.

Check ring gear and pinion backlash. It should be 0.1 - 0.2 mm (0.004 - 0.008in). If not correct see ring gear and pinion overhaul.

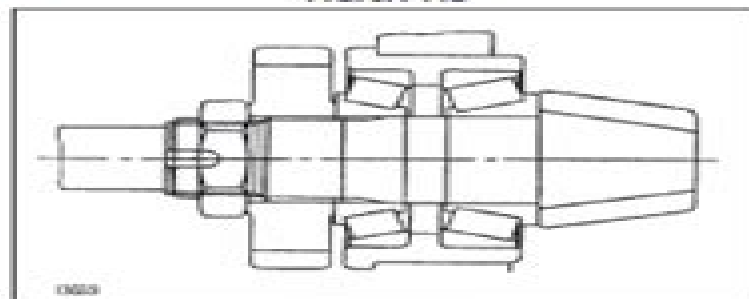


FIG. 5A-113

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