

INSTALLATION - SERVICE INSTRUCTIONS

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G.M. Mini Spools

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PART NUMBERS:

	DESCRIPTION
58930.....	G.M. passenger car 12 bolt mini spool.
58940.....	G.M. 8.5" 10 bolt mini spool.
58946.....	G.M. 8.5" 10 bolt mini spool w/30 spline.
58960.....	G.M. 8.2" 10 bolt mini spool.
58990.....	G.M. passenger car 12 bolt mini spool for posi carrier.

PARTS INCLUDED:

2 - 58931.....	12 bolt side gear, 30 spline (58930).
2 - 58932.....	12 bolt cross pin block (58930).
2 - 58941.....	8.5" 10 bolt side gear, 28 spline (58940).
2 - 58942.....	8.5" 10 bolt cross pin block (58940 & 58946).
2 - 58944.....	8.5" 10 bolt side gear, 30 spline (58946).
2 - 58961.....	8.2" 10 bolt side gear, 28 spline (58960).
2 - 58962.....	8.2" 10 bolt cross pin block (58960).
2 - 58991.....	12 bolt side gear for posi carrier, 30 spline (58990).
2 - 58992.....	12 bolt cross pin block for posi carrier (58990).

RELATED PARTS:

58933.....	12 bolt cross pin block spacer (for non "c" clip axles).
58943.....	8.5" 10 bolt cross pin block spacer (for non "c" clip axles).
58963.....	8.2" 10 bolt cross pin block spacer (for non "c" clip axles).
58935.....	12 bolt cross pin.
58945.....	8.5" 10 bolt cross pin.
58965.....	8.2" 10 bolt cross pin.

PRIMARY APPLICATIONS:

Oval track

INSTALLATION OVERVIEW:

- 1) Drain rear end fluid and remove rear cover.
- 2) Remove cross pin retaining bolt then slide cross pin out.
- 3) Push axle shafts inboard to allow removal of "C" clips. Remove axles.
- 4) Remove spider gears, side gears and all shims from carrier (none of these shims are required).
- 5) Install mini spool side gears in carrier housing.
- 6) Install axles and "C" clips (extra force on the axle may be required to allow "C" clips to be installed).
- 7) Align slots in the side gears and slide first cross pin block into place. Rotate mini spool 180 degrees and slide second block into place. Rotate mini spool assembly 90 degrees to line up cross pin hole in carrier with the holes in the blocks.
- 8) Install cross pin and cross pin retaining bolt.
NOTE: Due to the thickness of the ring gear on some of the lower ratio 10 & 12 bolt gears (5.38 & 5.57 10 bolt and 5.86 & 6.14 12 bolt) it is necessary to grind the top of a ring gear tooth to allow the cross pin to be installed.
- 9) Install rear cover and add new rear end fluid.

MAINTENANCE REQUIREMENTS:

Periodic visual inspection of all components for excessive wear and/or cracking. It is suggested that the parts be removed for this inspection.

