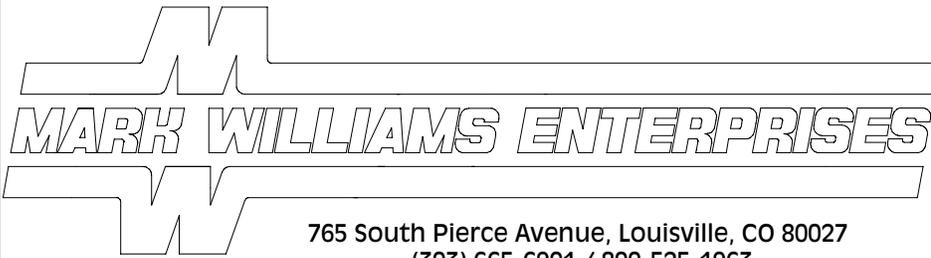


INSTALLATION - SERVICE INSTRUCTIONS



SERVICE BULLETIN

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MW SPOOLS

JULY 10, 1995

PARTS INCLUDED :

1-MW SPOOL

INSTALLATION OVERVIEW :

- 1) CHECK FOR INTERFERENCE OF THE CORNER OF THE RING GEAR BORE ON THE INSIDE REGISTER OF THE SPOOL. ALL MW SPOOLS HAVE .062" RADIUS. THE RING GEAR SHOULD HAVE A MINIMUM OF .090" CORNER CHAMFER OR RADIUS TO CLEAR THE SPOOL. THE INSIDE CORNER OF THE RING GEAR BORE CAN BE GROUND TO OBTAIN THE CLEARANCE.
- 2) USE THREAD LOCK COMPOUND ON THE RING GEAR BOLTS. WE RECOMMEND USING RING GEAR BOLTS WITH PROVISION FOR SAFETY WIRE ON THE 9" FORD AND 12 BOLT CHEVROLET.
- 3) THE MATING SURFACE OF THE RING GEAR SHOULD BE INSPECTED FOR BURRS AND NICKS THAT WOULD CAUSE A VARIANCE IN BACKLASH CLEARANCE. HIGH SPOTS ON THE GEAR SHOULD BE REMOVED WITH A WHETSTONE.

TORQUE SPECS :

3/8" - 24 THREADS	55 TO 60 FT. LBS.
7/16" - 20 THREADS	65 TO 70 FT. LBS.
1/2" - 20 THREADS	90 TO 95 FT. LBS.

SPOOL NOTES :

- 1) CHECK THE AMOUNT OF ENGAGEMENT OF THE AXLE TO SPOOL, 1-3/4" IS PREFERRED ON 35 AND 40 SPLINE AXLES. THE MINIMUM IS .75 X THE SPLINE DIAMETER FOR SMALLER SPLINES.
- 2) SPOOLS INCREASE THE TORSIONAL LOAD ON AXLES (UP TO TWICE THE TORQUE COMPARED TO OPEN OR POSI-TRACTION UNITS). STOCK AXLES SHOULD NOT BE USED IN A DRAG RACE APPLICATION.
- 3) AXLE HOUSINGS SHOULD BE CHECKED FOR STRAIGHTNESS. BENT AXLE HOUSINGS WILL CAUSE SPOOL AND AXLE SPLINE WEAR.
- 4) SPOOLS ARE NOT DESIGNED TO BE USED WITH A RING GEAR SPACER.
- 5) NEVER WELD ON OR SUBJECT SPOOLS TO HIGH LOCALIZED HEATING.
- 6) 9" FORD FACTORY CASES HAVE 2 DIFFERENT BORE SIZES, 2.893" AND 3.062". MW PRODUCES 28, 31 AND 35 SPLINE SPOOLS FOR THESE BORE SIZES. THE 3.250" AFTER-MARKET BORE SIZES CAN USE 35 SPLINE AND 40 SPLINE SPOOLS ONLY. YOU CAN NOT USE THE 40 SPLINE SPOOL IN THE SMALLER FACTORY BORE CASES.

MAINTENANCE REQUIREMENTS :

PERIODIC INSPECTION OF TORQUE OF ALL BOLTS. PERIODIC INSPECTION OF SPLINES. IF GEAR FAILURE HAS OCCURRED CHECK RUNOUT OF SPOOL FLANGE.

