9” Ford Aluminum Case Installation Instructions and Parts List

Part Numbers:
- 3062ALU - 9” Ford Aluminum Case with 1/2” through bolts, 3.062” bore
- 3250ALU - 9” Ford Aluminum Case with 1/2” through bolts, 3.250” bore
- 3812ALU - 9” Ford Aluminum Case with 1/2” through bolts, 3.812” bore

Parts List:
- 1-Case with Caps 3-1/2”-20x7” Gr, 8 Bolt (installed)
- 2-Adjusters 1-1/2”-20x4” Gr. 8 Bolt (installed)
- 2-Adjuster Locks 7-1/2” Flat Washers-Gr. 8 (installed)
- 2-5/16” x 18 Bolts 4-1/2” x 20 Nuts-Gr. 8 (installed)
- 2-5/16” Ext. Lock Washers 1-1 7/8” Pilot Bearing Snap Ring

Variable Parts:
- 5-3/8” or 7/16” Pinion Supports Studs-Gr. 8
- 5-3/8” or 7/16” Lock Washers-Gr. 8
- 5-3/8” or 7/16” Flat Washers-Gr. 8
- 5-3/8” or 7/16” Nuts-Gr. 8

Installation Tips and Suggestions:
1. Case # 3062ALU is used for 28, 31, or 33 spline spools, Detroit Lockers, limited slip units, and open differentials. It has a 3.062” bore and is used with spool bearing kit # SB9C (LM603011/LM603049). (Grinding may be necessary for body clearance on some differentials.)
2. Case #3250ALU is used for most 35 and 40 spline spools and 35 spline Differentials. It has a 3.250” bore and is used with spool bearing kit #SB9D (LM104911/LM104949). (Grinding may be necessary for body clearance on the Detroit Locker and some other differentials.)
3. Case #3812ALU is used for aluminum or Moser Pro 40 spline steel spools It has a 3.812” bore and is used with spool bearing kit #SB60 (382S/387A).
4. Apply a small amount of thread locker to the course thread end of the Pinion Support Studs and screw the studs in until they bottom out. Use the Grade 8 flat washers, lock washers, and nuts to attach the pinion support to your case. See Chart below for Torque Specs.
5. Be sure to use the Grade 8 flat washers under the bolt heads and the nuts for the main cap bolts. Torque to 70-75 ft/lbs.
6. Your case has been machined to work with most ring and pinion ratios with no grinding necessary. If your gear does contact the case, use a hand grinder and remove only the material necessary for you ring gear to clear.
7. Your case is designed to be used with one of two types of pinion pilot bearings. You may use either the stock type (.650” wide, TAV #1535) retained by the furnished snap ring, or a heavy duty pilot bearing (.812” wide, TAV #5204) retained by two 1/4”-20 x 1/2” button head allen screws.

Torque Specs:
- Main Caps 70-75 ft/lbs
- Pinion Studs (3/8”) 30-35 ft/lbs
- Pinion Studs (7/16”) 40-45 ft/lbs