



## 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:

- 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.)
- 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.)
- 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).
- 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.
- 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.
- 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.
- 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

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