

INSTALLATION - SERVICE INSTRUCTIONS

765 South Pierce Avenue Louisville, Colorado 80127

303-665-6901 303-665-7021 fax www.markwilliams.com



Bulletin #2 page 1 of 1

Nodular 9" Ford Cases

October '99

PART NUMBERS:

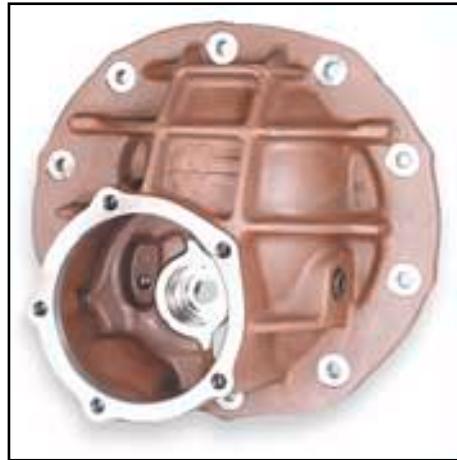
	DESCRIPTION
57460.....	Nodular 9" Ford Thirdmember Case. (3.062 bores)
57470.....	Nodular 9" Ford Thirdmember Case. (3.250 bores)

PARTS INCLUDED:

1 - 57460.....	Nodular iron case w/57501 steel billet caps.
2 - 57500-1.....	3.062" steel bearing adjuster (57460).
1 - 57470.....	Nodular iron case w/57501 steel billet caps.
2 - 57500-1.....	3.250" steel bearing adjuster (57470).
1 - 5740X.....	Pinion support stud kit (see variables below).
1 - 57906.....	Adjuster lock kit.

VARIABLE PARTS:

57407.....	Pinion support stud kit (7/16-20 & 7/16-14 threads). Stud kit includes 5 - 57406 studs, 5 - APN12-1 12 point nuts, 5 - AN122585 hardened washers and 1 - 5000-181 pilot bearing retainer snap ring.
57408.....	Pinion support stud kit (3/8-24 & 7/16-14 threads). Stud kit includes 5 - 57405 studs, 5 - AJN12-1 12 point nuts, 5 - AN122584 hardened washers and 1 - 5000-181 pilot bearing retainer snap ring.



PRIMARY APPLICATIONS:

Drag racing, Oval track, Street and Off road. 57460 cases will accommodate carriers or spools with a 1.78" diameter bearing journal. 57470 cases will accommodate carriers or spools with a 2.00" diameter bearing journal.

ASSEMBLY OVERVIEW:

- 1) Install pinion support studs using #271 Loctite. 57405 studs must be installed so that the shoulder on the stud is flush or slightly below the surface of the case. Screw 57406 studs in until they bottom out.
- 2) After pilot bearing has been pressed in, install 5000-181 snap ring retainer. Make sure snap ring is fully seated in the groove in the case.
- 3) Do not grind on the case in the pilot bearing area for ring gear clearance. Newer gear sets have the top inner corner of the teeth chamfered for this purpose. If an older gear is being used grind ring gear teeth rather than case for needed clearance.
- 4) During final assembly, after setting pinion depth and backlash, torque pinion support nuts and main cap bolts (see below).
- 5) Bend adjuster lock tabs to line up with one of the holes in the side adjuster. Install locks with button head allen bolt and lock washers.
- 6) Make sure side fill plug is tightened.

TORQUE SPECS:

Main cap bolts (1/2-20) 70-75 ft/lbs.
Pinion support studs (3/8-24) 30-35 ft/lbs.
Pinion support studs (7/16-20) 40-45 ft/lbs.

MAINTENANCE REQUIREMENTS:

Periodic visual inspection of case and it's components. Carefully check area around pilot bearing. If pinion support studs must be removed apply heat to soften Loctite.