



“BRUTE STRENGTH” DIFFERENTIAL

The Strongest Clutch-Type Traction Differential Available!

- Legal for all drag race associations
- The thicker, webbed flange on the reinforced case reduces ring gear deflection, prolonging ring and pinion life
- Spider gears are forged from H-11 aircraft steel bar stock making them 50% stronger than Chevrolet “service package” gears
- Twenty-two friction discs (stock units have only 18 discs) improve bias ratio (torque split) by over 100%; heavy shock loads are more evenly distributed to the side gears for greater durability
- Extra-thick heat-treated spring plates and special chrome silicon springs yield over 800 lbs. of preload on the disc packs to insure an even bias ratio to the rear wheels for maximum traction
- Designed for 4.10 through 6.14 ratios (4-series)
- Stock-type axles are retained with original “C” clips; spacers or costly installation kits are not required
- Use only Moroso Climbing Gear Lube **Nos. 34800** or **34801** with a bottle of Ford or GM Friction Modifier Additive



No. 83000

PART # DESCRIPTION

83000 “Brute Strength” Differential, fits 1965-later GM cars with 12-bolt rear axle and 30 spline axles

NOTE: Brute Strength Differentials are limited-slip devices designed specifically for racing applications. They are not recommended for street use as they can produce severe “chatter” when turning corners.

DIFFERENTIAL LIMITED WARRANTY

Moroso warranties Differential **No. 83000** against breakage for ninety (90) days from the date of purchase. Any unit that fails in the first ninety (90) days will be replaced free of charge.

A warranty registration card is enclosed with each differential. Moroso will not warrant any unit that has not been registered. Be sure to fill out the card completely and return it to Moroso Performance Products, Inc. within ten (10) days of purchase.

FORD 9" DIFFERENTIAL SHIM & REPLACEMENT PARTS KITS

- Kits include hard-to-find items needed to assemble Ford 9" center sections

PART # DESCRIPTION

84750 Drag Race Kit Contains: housing gasket; pinion shaft seal; nine pinion support shims consisting of one each .005", .006", .0075", .0082", two .004", and three .0105"; eight pinion pre-load shims for use with aftermarket aluminum pinion supports consisting of one each .005", .006", .0075", .0082", .009" and three .0105"; one pinion housing O-ring; and one 3/4" -20 Ford pinion nut

84751 Oval Track Kit Contains: nine pinion retainer shims consisting of one each .005", .006", .0075", .0082", two .004", and three .0105"; twelve pinion pre-load shims consisting of one each .005", .006", .0075", .0082", .009", .020", .030", two .050" and three .010"; one pinion spacer .375" thick; and one 3/4" -20 Ford pinion nut



No. 84751

REAR AXLE EQUIPMENT



DANA 60 U-BOLTS

- Moroso has an agreement with Dana Corporation to market hard-to-get replacement parts for the Dana 60, a popular rear axle in the Competition Eliminator and Super Stock classes.

PART #	DESCRIPTION
85080	U-Bolts, Dana 60, also fits Ford 9" with 1350 series yoke



U-JOINT GIRDLES

- Unique design provides more bearing surface for the universal joint bearing cap, for increased strength
- Manufactured from 7075-T6 aluminum with anodized finish
- Comes complete with fasteners
- One set per package



PART #	DESCRIPTION
85800	Use with 1-1/6" dia. cap and 1.415" bolt centers, gold anodized <i>Fits: 1955-82 Chevy with U-Bolts; Dana 60 with U-Bolts</i>
85810	Use with 1-1/6" dia. cap and 1.595" bolt centers, red anodized <i>Fits: 1965-82 GM 12-Bolt with straps</i>
85820	Use with 1-1/8" dia. cap and 1.540" bolt centers, dark blue anodized <i>Fits: Dana 60 with straps. Also fits Chrysler 8-3/4" ring gear with large yoke (Type 7290 driveshaft)</i>
85830	Use with 1-3/16" dia. cap and 1.668" bolt centers, black anodized <i>Fits: 1350 Series race yokes including Mark Williams Ford 8.8</i>
85850	Use with 1-1/16" dia. cap & 1.505" bolt centers, silver anodized <i>Fits: Chrysler 8-3/4" ring gear w/ small yoke (Type 7260 driveshaft)</i>
85860	Use with 1-1/8" dia. cap and 1.575" bolt centers, light blue anodized <i>Fits: Ford 9" ring gear</i>



REAR END COVERS

- Available in either lightweight gold anodized aluminum or hand polished chrome-plated steel
- Each cover includes a gasket and matching gold iridite or chrome fasteners

PART #	DESCRIPTION
85290	Rear End Cover, Chevy 10-bolt, Gold Anodized Aluminum
85330	Rear End Cover, Chevy 12-bolt, Chrome-Plated Steel
85340	Rear End Cover, Chevy 10-bolt, Chrome-Plated Steel

FILLER CAP KITS, UNIVERSAL

- Cap Kit **No. 85280** and **No. 85282** are knurled for easy grip removal and replacement
- Cap Kit **No. 85283** is designed with larger, contoured grip for easy removal and installation
- These universal kits, available with steel or 6061-T6 aluminum bung, can be used on power steering tanks, radiator overflow tanks, valve covers, rear ends, filler neck plates, and other locations to replenish fluid, or serve as an inspection port
- Bungs can be welded to any suitable tank or plate
- Manufactured from 6061-T6 aluminum
- Includes O-Rings for leak-free sealing

PART #	DESCRIPTION
85280	Filler Cap Kit, Universal, Steel Bung, 1-1/4" -12UNF Threads, 1.5" OD
85282	Filler Cap Kit, Universal, Aluminum Bung, 1-1/4" -12UNF Threads, 1.5" OD
85283	Filler Cap Kit, Universal, Aluminum Bung, Black Anodized with logo, 1-3/8" -12UNF Threads, 2.6" OD

NOTE: For steel applications, use Rear End Fill Cap No. C9085



REAR AXLE SPRING PERCHES, 2-1/2" WIDE

Fits: Ford 9", Dana 60 and other 3" diameter axle housings

- Precision stamped for easy weld-on installation
- Two per package

PART #	DESCRIPTION
85090	Rear Axle Spring Perches, 2-1/2" Wide

