

## CHRYSLER CORP. SURE-GRIP DIFFERENTIAL

Chrysler Corp.

### TESTING ON VEHICLE

### DESCRIPTION

Positive traction type differential which directs major driving force to rear wheel with greatest amount of traction. This is accomplished by two spring-loaded thrust blocks bearing against differential side gears seated in tapered cone clutch members. Clutch members are located in differential case, one member in each half. Thrust block spring load is calibrated to permit some slippage under variable torque conditions (turning corners and other unbalanced tractive conditions), allowing torque created on one wheel by differential action to overcome thrust block spring load on differential side gears.

### AXLE RATIO & IDENTIFICATION

See Drive Axles in this Section.

### LUBRICATION

In "Sure-Grip" Differentials, use only Chrysler MultiPurpose Hypoid Gear Lubricant (part number 2933565) or equivalent.

With rear wheels raised off ground, engine off and automatic transmission in "Park" or manual transmission in low, grip tread of tire and attempt to rotate wheel. If rotation is extremely difficult or impossible, differential is performing satisfactorily. If either wheel turns easily, differential should be removed and replaced.

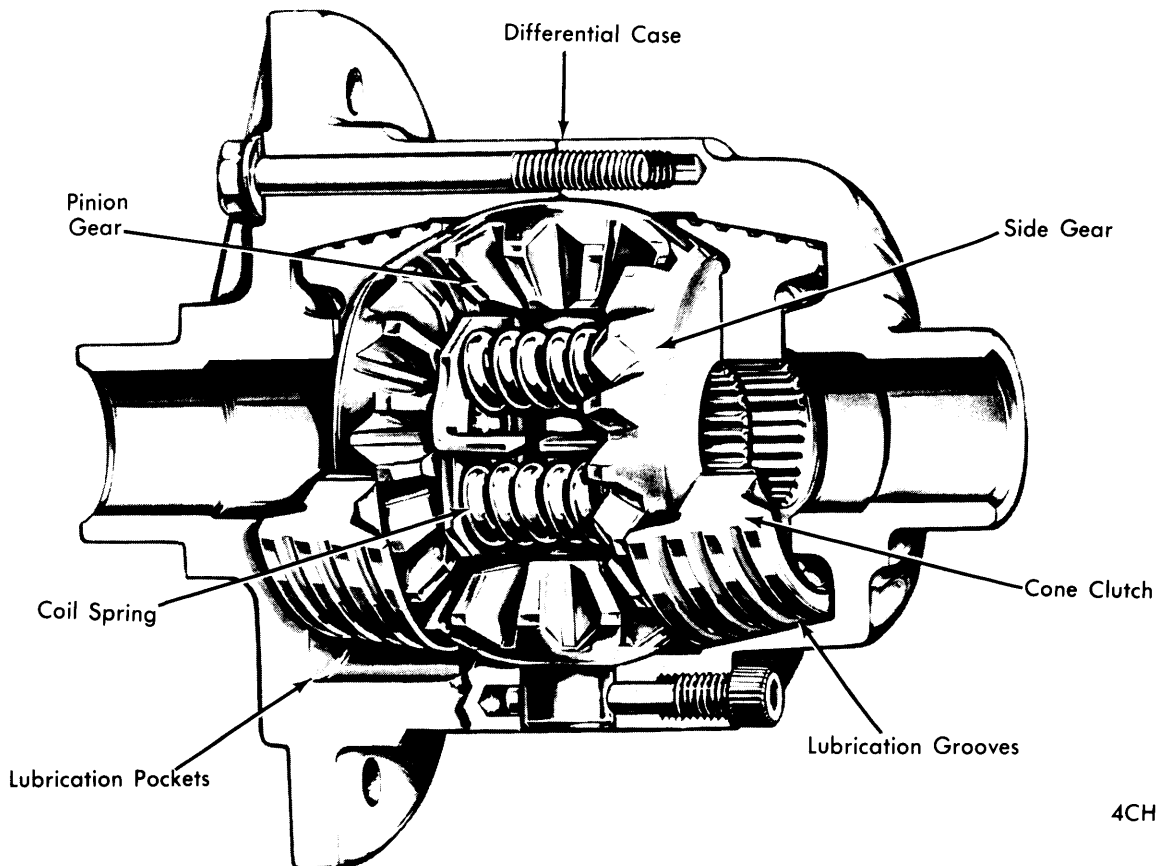
### REMOVAL & INSTALLATION

See Drive Axles in this Section.

**CAUTION** — During removal and installation of axle shafts, DO NOT rotate one axle shaft unless both are in position. Rotation of one axle shaft without the other in place may result in misalignment of two spline segments with which axle shaft splines engage, and will necessitate difficult realignment procedures when shaft is reinstalled.

### OVERHAUL

**CAUTION** — "Sure Grip" Differential and internal parts are serviced as a complete assembly only. Under no circumstances should differential be removed and disassembled and then be reinstalled.



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### CHRYSLER CORP. "SURE-GRIP" DIFFERENTIAL ASSEMBLY