

ARTICLE BEGINNING

2000-01 DRIVE AXLES
General Motors Differentials - Limited Slip

Chevrolet; Camaro
Pontiac; Firebird

DESCRIPTION & OPERATION

Limited slip differential directs a majority of driving force to the wheel with best traction. This is accomplished by 2 spring-loaded thrust plates pressing against differential side gears, seated in tapered brake cones.

Brake cones fit into a tapered recess in each end of differential case. Outward pressure of thrust plate assembly forces brake cones against recesses, providing resistance to normal differential action. Thrust plate spring load is calibrated to permit some slippage under various torque conditions.

All models equipped with limited slip use the Zexel Torsen (limited slip) differential unit. The Zexel Torsen differential is not serviceable and must be replaced as a unit. See Fig. 1.

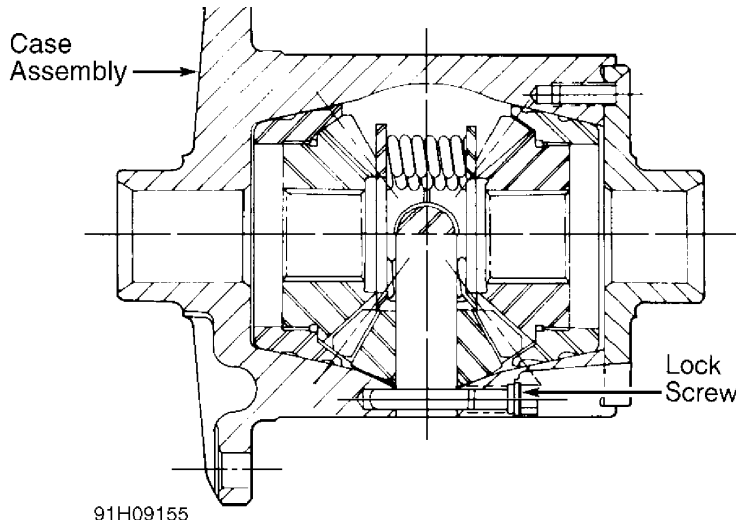


Fig. 1: Cut-Away View Of Zexel Torsen (Limited Slip) Differential
Courtesy of General Motors Corp.

REMOVAL & INSTALLATION

DIFFERENTIAL ASSEMBLY

NOTE: Refer to REMOVAL & INSTALLATION procedure of DIFFERENTIAL CARRIER ASSEMBLY in appropriate DIFFERENTIALS article.

TORQUE SPECIFICATIONS

DIFFERENTIALS - LIMITED SLIP

ABC123

Entire Article
2000 Chevrolet Camaro

NOTE: Refer to REMOVAL & INSTALLATION procedure of DIFFERENTIAL CARRIER ASSEMBLY in appropriate DIFFERENTIALS article.

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