

# DIFFERENTIALS - LIMITED SLIP

2001 Chevrolet Camaro

2000-01 DRIVE AXLES  
General Motors Differentials - Limited Slip

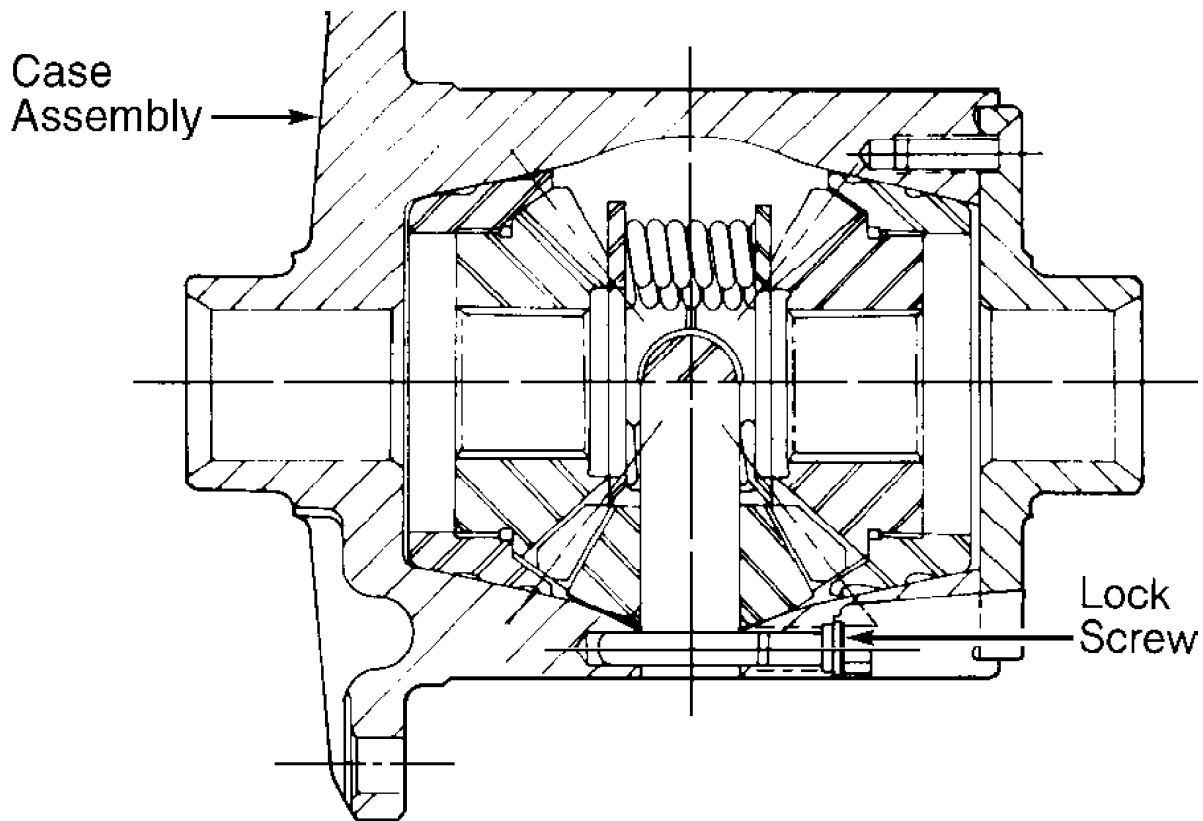
Chevrolet; Camaro  
Pontiac; Firebird

## 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 differentials is not serviceable and must be replaced as a unit. See Fig. 1.



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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

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

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