

## Sorento Limited-Slip Rear Differential

The limited-slip rear differential assembly is standard equipment on all Sorento 4WD vehicles. The limited-slip differential (LSD) unit utilized in Sorento 4WD vehicles built after 8/16/02 has been modified to improve driveability when accelerating through a turn on wet or slick road surfaces. The pre-load springs have been removed from the differential unit, virtually eliminating the static (at rest) pre-load (see photo). As a result, when one rear wheel is turned by hand (vehicle supported on a lift), the opposite wheel will no longer rotate in the same direction. Instead, the opposite wheel will either not rotate, or will rotate in the opposite direction, much like an open (non-LSD) unit. On Sorento rear axle assemblies equipped with an LSD unit, the label at the top center location on the axle housing includes the letters "LSD" (see photo).

