

The use of the Diagnostic System Check will identify the correct procedure for diagnosing the system and where the procedure is located.

DIFFERENTIAL CLUTCH PUMP [CHECK VALVE](#)

Removal

Drain the differential lubricant. See [LUBRICATION](#) . Disconnect the clutch pump [check valve](#) electrical connector. Remove the clutch pump [check valve](#) mounting bolts. See [Fig. 1](#) . Remove the clutch pump [check valve](#) by carefully pulling straight out of the differential carrier. Remove the "O" ring seals from the valve. The "O" ring seals may be reused if not cut or damaged. If reinstalling original valve, inspect for damaged, loose, or missing pick up screen, damaged or missing "O" rings, damaged electrical connector, or oil passages restricted by dirt or debris.

Installation

NOTE: Inspect the clutch pump [check valve](#) "O" ring seals to ensure they are not cut or damaged. Replace cut or damaged "O" ring seals with NEW seals.

1. Lubricate the "O" ring seals with Synthetic Gear Oil (12378514 for United States or 88901045 for Canada) or equivalent. Install the "O" ring seals to the valve. Install the clutch pump [check valve](#) to the differential carrier by carefully pushing the valve straight in until fully seated.
2. Install the clutch pump [check valve](#) mounting bolts. See [Fig. 1](#) . Tighten the bolts to specification. See [TORQUE SPECIFICATIONS](#) . Connect the clutch pump [check valve](#) electrical connector. Inspect differential fluid level. See [LUBRICATION](#) . Fill differential as necessary.