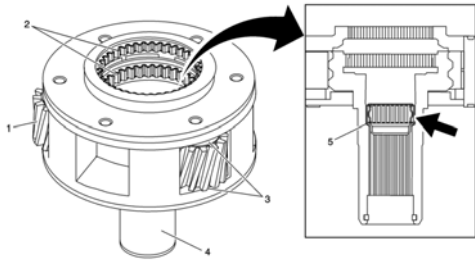


2013 Chevrolet Colorado

Submodel: | Engine Type: | Liters:
Fuel Delivery: | Fuel:



High/Low Planetary Carrier Cleaning and Inspection

Callout

Component Name

Preliminary Procedure

- Inspect all components or sub-components and perform any repair procedure necessary to fix the damage. If the damage cannot be repaired, replace the component or sub-component as indicated.
- Clean all components in cleaning solvent and air dry. Do not spin the planetary gears with compressed air.
- The high/low planetary carrier is only serviced as an assembly.

Note: First design planetary carriers are a 6-pinion design. Second design planetary carriers are a 3-pinion design. When replacing a 6-pinion carrier with a 3-pinion design, the 3-pinion design planetary carrier internal gear must also be used. Refer to New Product Information.

Transfer Case High/Low Planetary Pinion Gear

Note:

1

- Inspect for broken, damaged, or debris embedded in the root of the teeth.
- Inspect for loose or binding gears with excessive end play.

2

Transfer Case Range Shift Sleeve Engagement Teeth

Note: Inspect the engagement teeth for chips or excessive wear.

3

Transfer Case High/Low Planetary Carrier Pinion Gear Thrust Washer

Note: Inspect for loose, binding gears or missing thrust washers which may create excessive end play.

4

Input Shaft Seal Surface

Note: Inspect for a worn, scored, or damaged surface.

5

Pilot Bearing

Note: Inspect for a worn or missing bearings.