

## COMPLAINT

### SECONDARY COMPLAINT

## Reverse drum, retainer and planet failure

- Loss of lube oil to the gear train

## CAUSE

Excessive clearance between the over-drive piston retainer and intermediate shaft reduces lube flow to the gear train.

## CORRECTION

Seal compensates for variations in case I.D. Oil is delivered to maximum load points on shaft. Optional oversized reverse drum journal allows salvage of reverse drum.

## Upgraded Piston Retainer

Standard Diameter 42RH/RE

**12962N-01K**

6-Bolt Piston Retainer

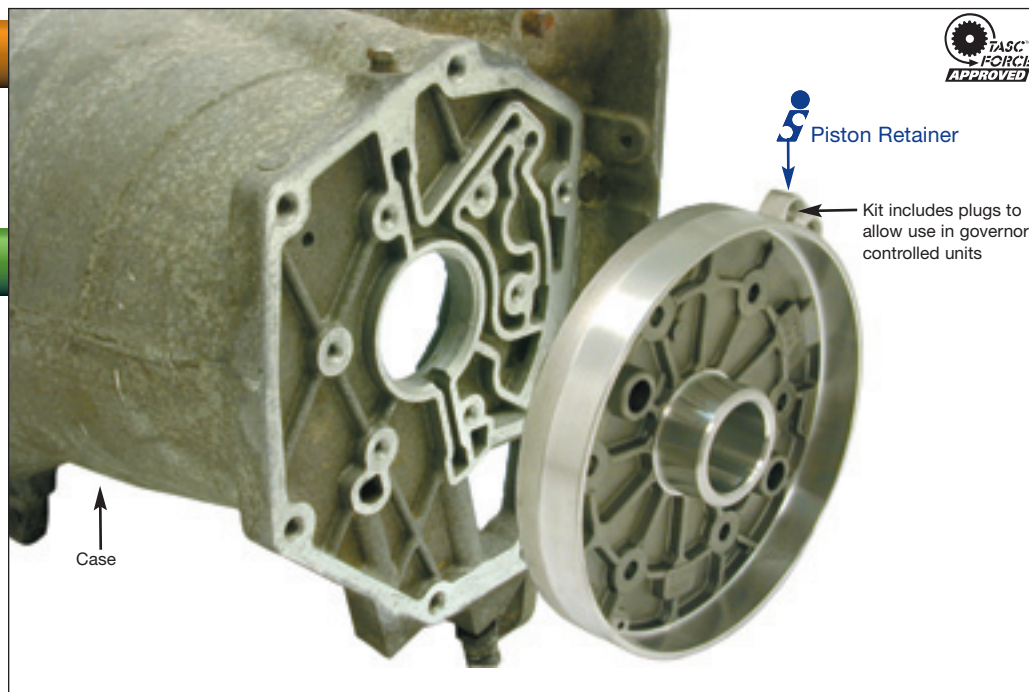
Oversized 42RH/RE

**12962N-02K**

6-Bolt Piston Retainer

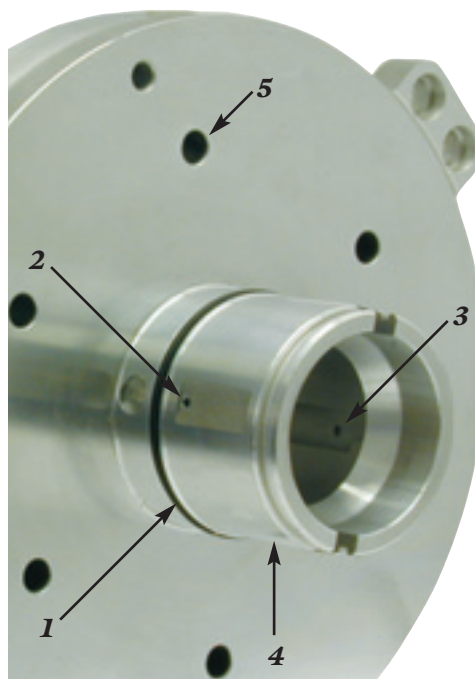
Allows damaged reverse drum to be machined and salvaged.

**Note:** U.S. Patent No. 6,810,771



### Sonnax Part Summary

Sonnax is now offering an upgraded standard replacement **12962N-01K** and an oversized **12962N-02K** piston retainer to allow rebuilders to salvage the expensive reverse drum. The oversized piston retainer requires only turning the I.D. of the drum using a lathe and then installing as normal.



### Features & Benefits

- 1 O-ring prevents loss of lube oil. Many OEM supports do not seal well in this area.
- 2 Two O.D. oil delivery grooves have been repositioned at high load areas.
- 3 Two I.D. oil delivery grooves run full length of load-bearing surface.
- 4 Band drum diameter (standard and oversized) allows drum I.D. to be turned.
- 5 High-quality aluminum resists gauling.