

## COMPLAINT

Planetary wear or failure

## CAUSE

Insufficient lube oil and/or excessive clearances.

## CORRECTION

This kit offers replacement parts for rebuilding damaged rear planet assemblies and gives rebuilders the option of replacing only the worn components.

## Rear Planetary Rebuild Kit

**77731-RK** For 4-Pinion Planets  
4 Pinion Gears  
4 Pinion Pins  
80 Rollers  
8 Washers (round)  
8 Bat Wing Washers

**77731-02K** Pinion Pin Kit  
4 Pins

**Note:** Pinion endplay factory specification of between .008" to .024".

Also available separately

**77731-01**  
1 Pinion Gear

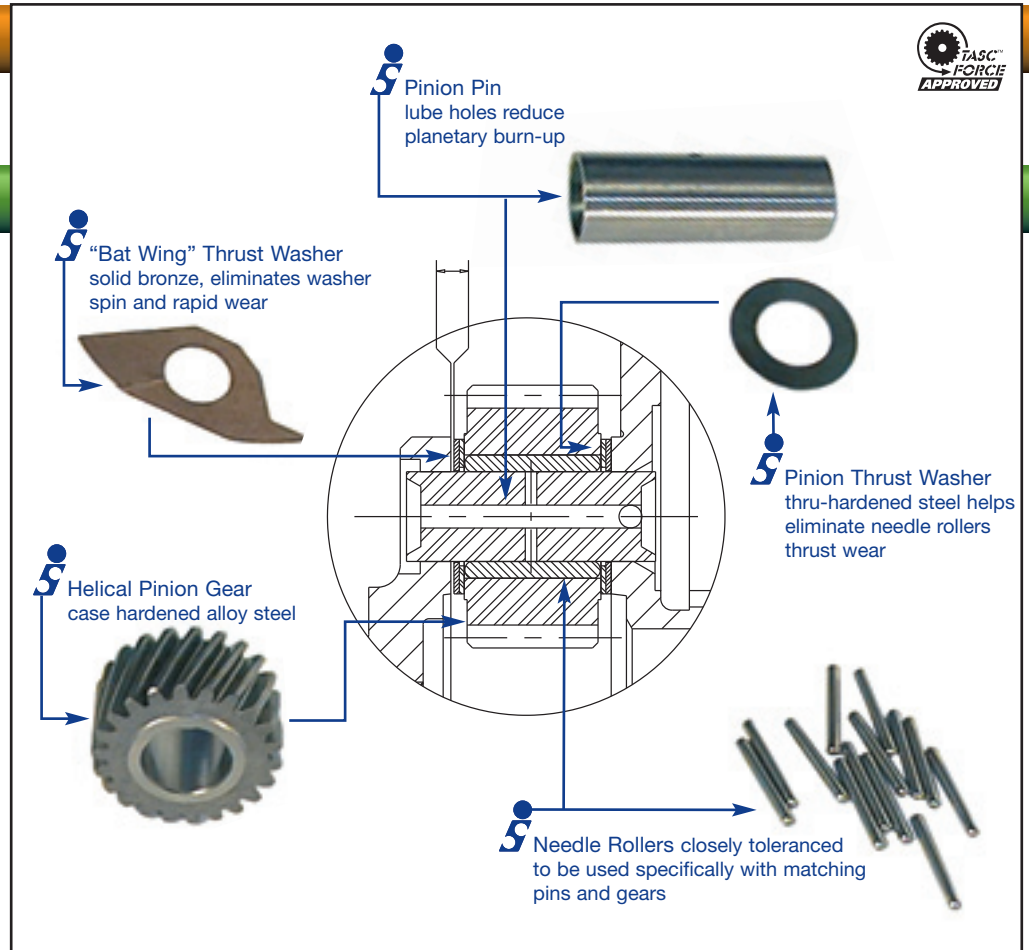
**77731-03**  
80 Needle Rollers

**77731-04**  
1 Round Washer

**77731-05**  
1 Batwing Washer

**77731-08**  
1 Oil Deflector

**77731-09**  
1 Thrust Bearing



### Sonnax Part Summary

The rear planetary assembly in 700-R4 and 4L60-E transmissions frequently wears out and must be replaced. New replacement assemblies can be costly, and the availability of quality aftermarket assembly component parts are limited. Planetary assembly wear is generally caused by insufficient lube oil and/or excessive clearances. Lack of lube causes excessive heat in the pinion gear area and causes the roller bearings to gaul the gear bores and pinion pins. If there is excessive thrust washer wear or endplay, the roller bearings can run without fully contacting the gear bore, causing premature failure of the assembly. Sonnax now offers replacement parts necessary for rebuilding damaged rear planetary assemblies, 77731-RK and -02K.

### Features & Benefits

- Kit includes all the parts needed for a complete planetary rebuild.
- Individual components can be purchased separately.
- Rebuilders may also convert an earlier planet to the later oil slinger type with this kit and 77731-08 oil deflector.