

Component Procedures: Planetary Gears

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Component Procedures: Planetary Gears

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
30RH/31RH/32RH > Planetary G?	6030576	4 - Sna	0.00	
30RH/31RH/32RH > Planetary G?	1942444	18 - Sna	0.00	
30RH/31RH/32RH > Planetary G?	6026289	1 - Snap Ring	0.00	Order By Size.
30RH/31RH/32RH > Planetary G?	3681969	3 - Was	0.00	
30RH/31RH/32RH > Planetary G?	4130518	7 - Was	0.00	
30RH/31RH/32RH > Planetary G?	3681935	14 - Thrust Washer	0.00	Order By Size.
30RH/31RH/32RH > Planetary G?	4505188	23 - Thrust Washer	0.00	Order By Size.
30RH/31RH/32RH > Planetary G?	3515501	17 - Su	0.00	
30RH/31RH/32RH > Planetary G?	4617774	5 - Front Annulus Supp?	0.00	
30RH/31RH/32RH > Planetary G?	4130512	6 - Ann	0.00	
30RH/31RH/32RH > Planetary G?	4130514	8 - Car	0.00	
30RH/31RH/32RH > Planetary G?	4130685	9 - Su	0.00	
30RH/31RH/32RH > Planetary G?	4130736	10 - Sun Gear Spacer	0.00	
30RH/31RH/32RH > Planetary G?	4471566	11 - Thrust Plate	0.00	
30RH/31RH/32RH > Planetary G?	4531288	12 - Sun Gear Driving ?	0.00	
30RH/31RH/32RH > Planetary G?	1942439	13 - Rin	0.00	
30RH/31RH/32RH > Planetary G?	4431438	15 - Ca	0.00	
30RH/31RH/32RH > Planetary G?	6033480	19 - Retaining Ring	0.00	
30RH/31RH/32RH > Planetary G?	4637956	20 - Re	0.00	
30RH/31RH/32RH > Planetary G?	4431690	21 - Ca	0.00	
30RH/31RH/32RH > Planetary G?	4431432	22 - Ra	0.00	
30RH/31RH/32RH > Planetary G?	4617320	24 - Output Shaft	197.00	

Disassembly and Assembly (Article 2035920)

For information regarding the Service and Repair of this component and the system that it is a part of, please refer to

Automatic Transmission
/Transaxle; Service and Repair.

Cleaning and Inspection (Article 2035919)

PLANETARY GEAR

-TRAIN/

OUTPUT SHAFT

Clean the

intermediate shaft

and planetary components in solvent and dry them with compressed air. Do not spin the planetary

pinion gear

s with compressed air.

Inspect the planetary

gear

sets and annulus gears. The planetary pinions, shafts, washers, and retaining pins are serviceable. However, if a pinion carrier is damaged, the entire planetary gear set must be replaced as an assembly.

Replace the annulus gears if the teeth are chipped, broken, or worn, or the gear is cracked. Replace the planetary thrust plates and the tabbed thrust washers if cracked, scored or worn.

Inspect the machined surfaces of the output shaft. Be sure the oil passages are open and clear. Replace the shaft if scored, pitted, or damaged.

Inspect the sun gear and driving shell. If either component is worn or damaged, remove the sun gear rear retaining ring and separate the sun gear and thrust plate from the driving shell. Then replace the necessary component.

Replace the sun gear as an assembly if the gear teeth are chipped or worn. Also replace the gear as an assembly if the bushings are scored or worn. The sun gear bushings are not serviceable. Replace the thrust plate if worn, or severely scored. Replace the driving shell if distorted, cracked, or damaged in any way.

Replace all snap rings during gear-train assembly. Reusing snap rings is not recommended.