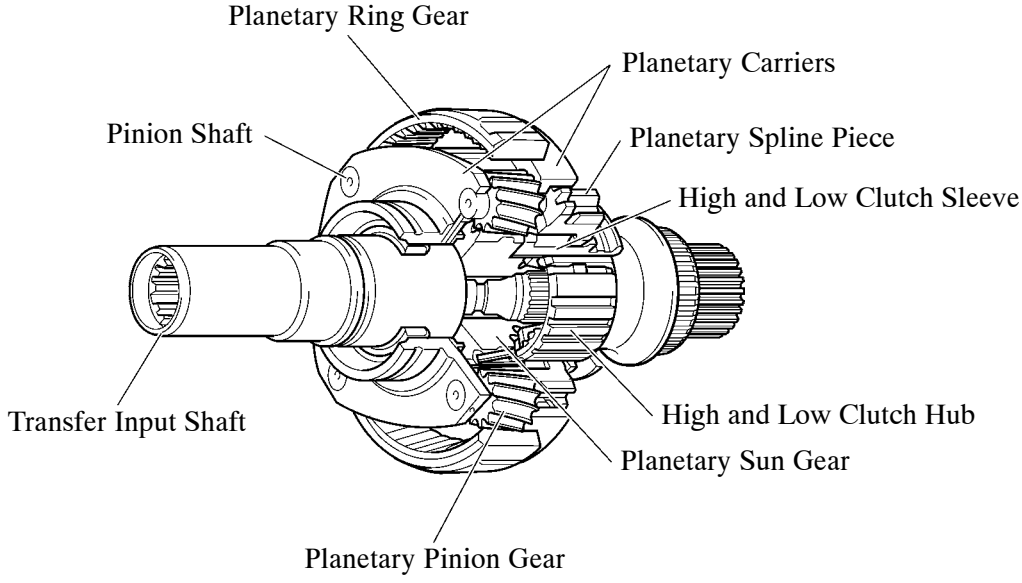
■ PLANETARY GEAR

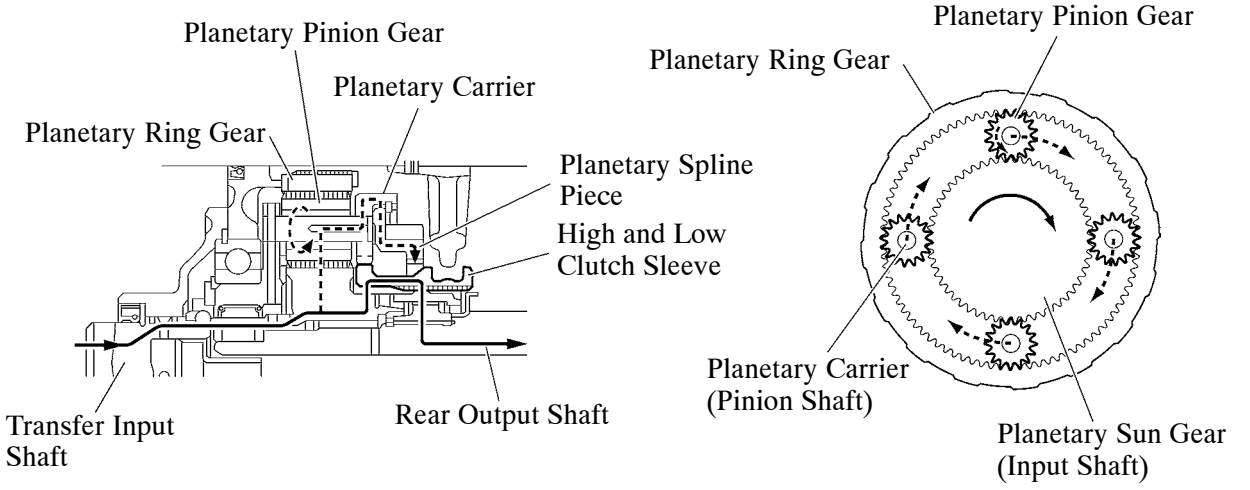
1. General

- The planetary sun gear integrates with the transfer input shaft.
- 4 planetary pinion gears are fitted to the planetary carrier. Each pinion gear shaft is fixed to the planetary carrier. A planetary spline piece is fitted to the rear of the planetary carrier, and the internal gear teeth of the planetary spline piece can be engaged with the external teeth of the high and low clutch sleeve. At the rear of the transfer input shaft, a high and low clutch sleeve is installed via the synchromesh mechanism on the output shaft.
- The planetary ring gear is fixed to the transfer case and internal teeth are meshed with the planetary pinion gear.



2. H2/H4 Position

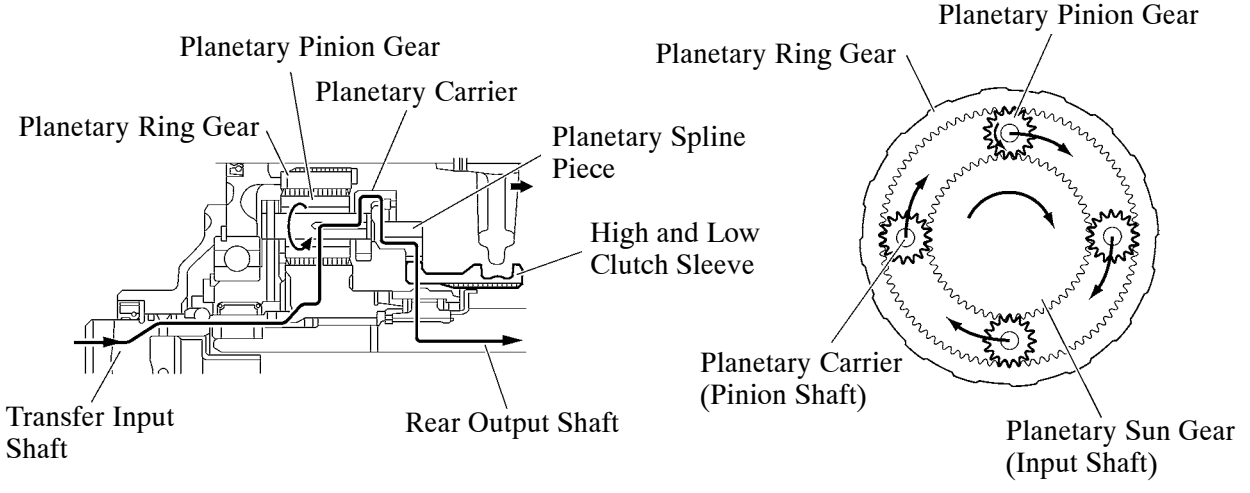
In the H2/H4 position, the splines at the rear of the transfer input shaft mesh with the internal gear teeth of the high and low clutch sleeve.
Also, the high and low clutch sleeve is meshed to the rear output shaft via the high and low clutch hub. Thus, the rotation of the input shaft is transmitted to the high and low clutch sleeve, the high and low clutch hub, and to the rear output shaft.



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3. L4 Position

In the L4 position, the external teeth of the high and low clutch sleeve are meshed with the planetary spline piece.
Thus, the rotation of the input shaft is transmitted in a reduced form to the planetary sun gear, planetary pinion gear, planetary pinion gear shaft, planetary carrier, planetary spline piece, high and low clutch sleeve, high and low clutch hub, and rear output shaft.



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