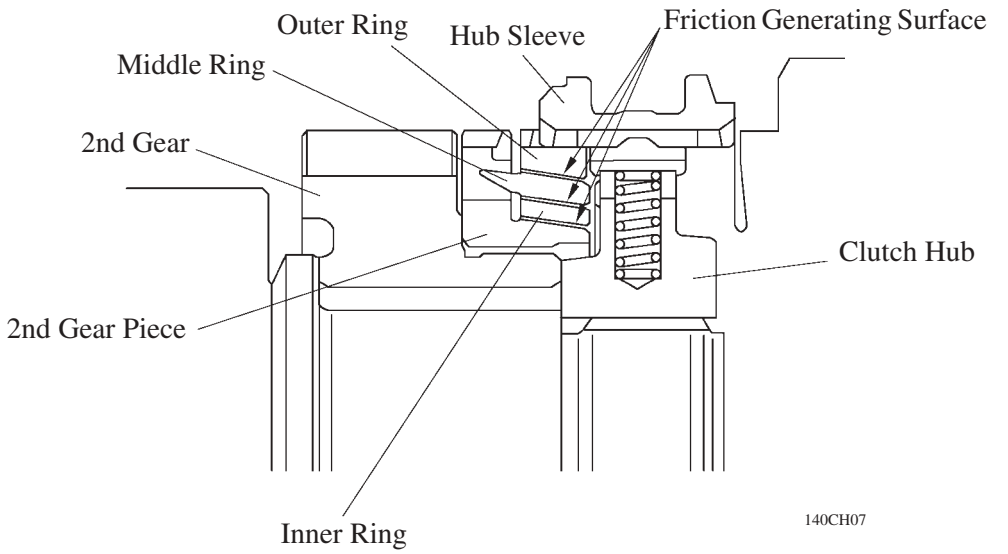
■ TRANSMISSION GEAR

1. 2nd Gear (Triple-Cone Type Synchromesh Mechanism)

The triple-cone type synchromesh mechanism consists of an outer ring, middle ring, inner ring and gear piece in addition to a clutch hub, shifting keys and a hub sleeve. The outer ring and inner ring together with the clutch hub, shifting keys and a hub sleeve always turn in unison with the transmission output shaft. The middle ring together with the gear piece always turns in unison with the transmission gear. During shifting, the hub sleeve pushes the outer ring. As a result, friction is generated between the three cones comprised of the outer ring and middle ring, the middle ring and inner ring, and the inner ring and gear piece, thus causing a synchronizing action and permitting the gear piece and hub sleeve to engage smoothly.



2. 3rd Gear (Double-Cone Type Synchromesh Mechanism)

The double-cone type synchromesh mechanism is basically the same in construction and operation as the triple-cone type synchromesh mechanism used in the 2nd gear. But it does not have the synchronizing action between the inner ring and the gear piece.

