

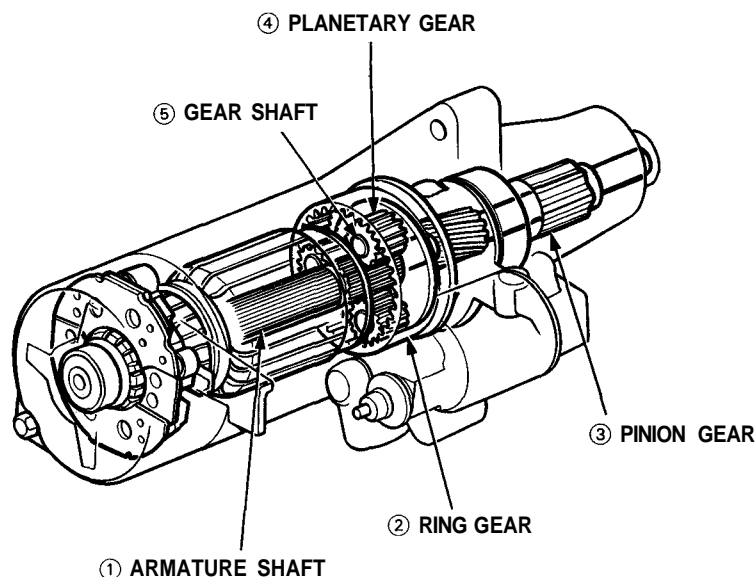
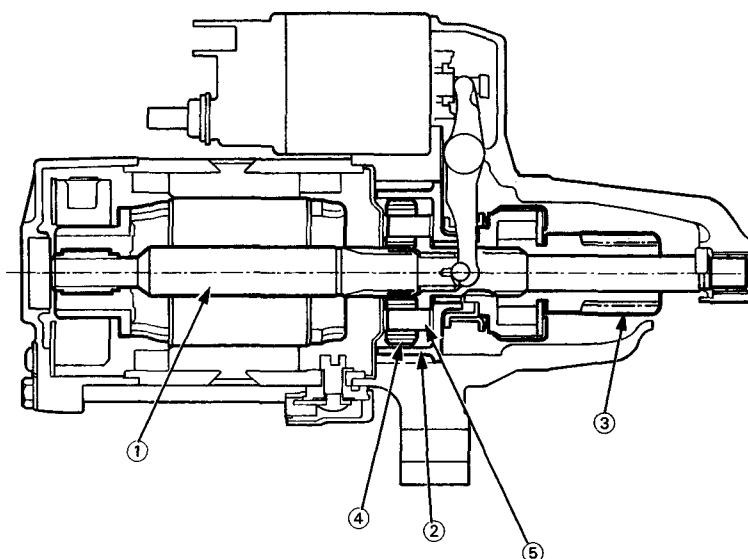


## Description

### Starter:

The reduction starter employs a planetary gear unit to improve mounting versatility and reduce gear noise. The planetary gear unit consists of a ring gear, three planetary gears and an armature shaft. When the armature shaft rotates 4.38 turns, the pinion gear rotates one turn in the same direction and the output torque becomes 4.38 times greater than the motor torque.

A permanent magnet is used instead of conventional field windings to reduce weight and increase reliability.



(cont'd)

# Starting System

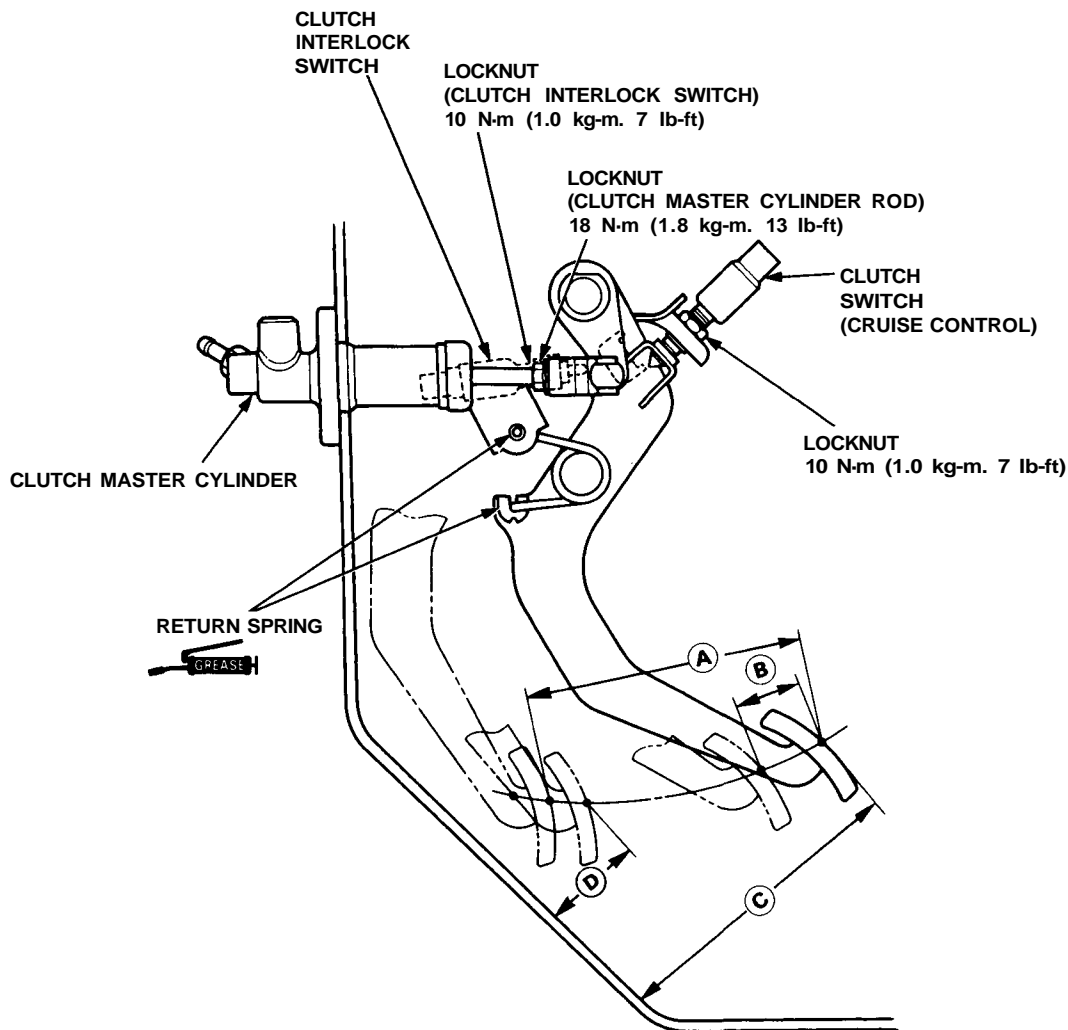
## Description (cont'd)

### Starter Interlock System (M/T):

The starter interlock system prevents the engine from starting unless the clutch pedal is fully depressed.

The clutch interlock switch turns on at the position where the clutch disengages: 15-20 mm (0.59-0.79 in) from the fully depressed position.

NOTE: Full stroke of the clutch pedal is 139 mm (5.47 in) from the fully released position.



- Ⓐ FULL STROKE: 139 mm (5.47 in)
- Ⓑ TOTAL CLUTCH PEDAL FREE PLAY: 9–15 mm (0.35–0.59 in) including the pedal play 1–7 mm (0.04–0.28 in)
- Ⓒ PEDAL HEIGHT: 199.5 mm (7.85 in) minimum to the floor
- Ⓓ CLUTCH DISENGAGEMENT PEDAL HEIGHT: 90 mm (3.54 in) minimum to the floor