

# SHIFT INTERLOCK MECHANISM OPERATION [R15M-D]

BHE051101025T08

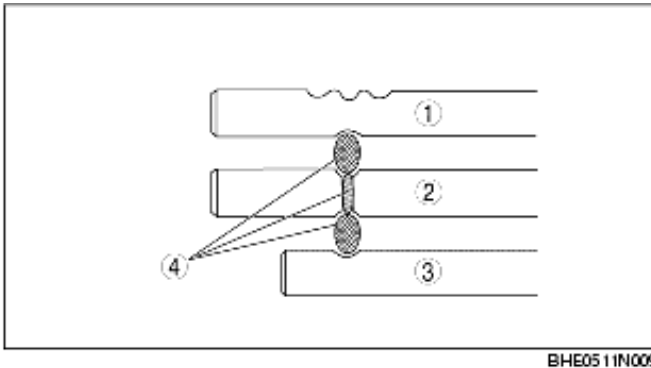
## Structure

- During shifting, the shift rods, except for the one in operation, are locked in the neutral position by the interlock pins.

## Operation

### Neutral

- Because no shift rod is operated, the interlock pins are seated in the grooves.

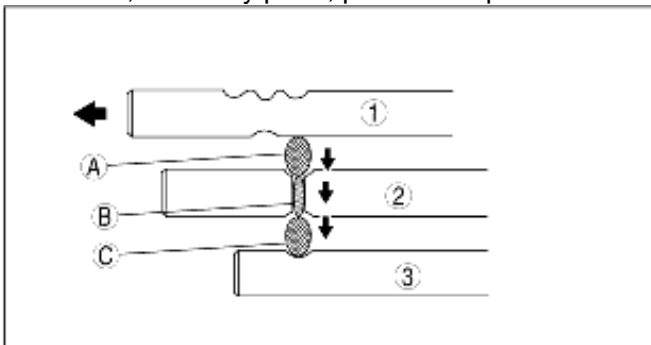


BHE0511N009

1	1st/2nd shift rod
2	3rd/4th shift rod
3	5th/reverse shift rod
4	Interlock pins

### 1st/2nd shifting

- Movement of the 1st/2nd shift rod forces interlock pin A out of the 1st/2nd shift rod groove, and locks the 3rd/4th shift rod. Pin B, forced by pin A, pushes out pin C to lock the 5th/Reverse shift rod.

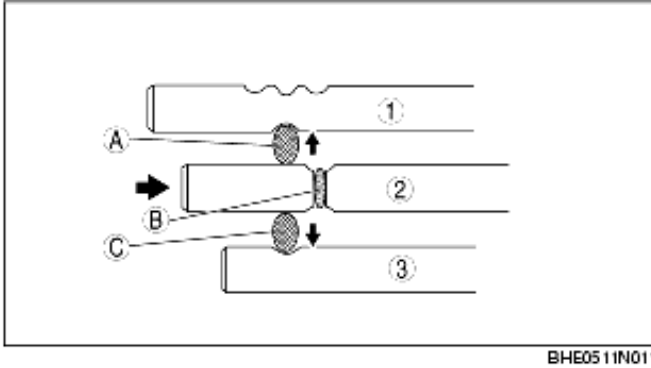


BHE0511N010

1	1st/2nd shift rod
2	3rd/4th shift rod
3	5th/reverse shift rod

### 3rd/4th shifting

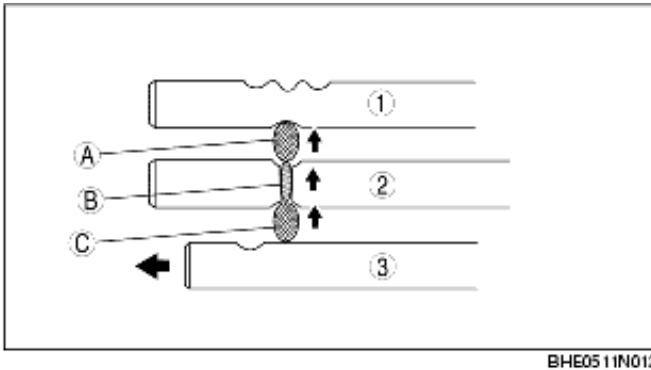
- Movement of the 3rd/4th shift rod forces out pins A and C, and locks the 1st/2nd and 5th/Reverse shift rods. Pin B does not affect the other pins or shift rods during 3rd/4th shifting.



1	1st/2nd shift rod
2	3rd/4th shift rod
3	5th/reverse shift rod

### 5th/Reverse shifting

- When performing 5th/Reverse shifting, the interlock pins function the same way as in 1st/2nd shifting, except the pin movement order is in reverse, and the 3rd/4th and 1st/2nd shift rods are locked.



1	1st/2nd shift rod
2	3rd/4th shift rod
3	5th/reverse shift rod