

A detailed cross-sectional diagram of a manual transmission assembly, showing the internal components and their arrangement. The diagram is labeled with various parts, including clutches, brakes, planetary gears, and shafts. The components are arranged in a longitudinal section, showing the input shaft on the left and the output shaft on the right. The assembly is housed within a casing, with various internal components like the input shaft, output shaft, and planetary gears visible. The labels are as follows:

- O/D Direct Clutch ( $C_0$ )
- 2nd Coast Brake ( $B_1$ )
- Forward Clutch ( $C_1$ )
- 1st & Reverse Brake ( $B_3$ )
- Rear Planetary Carrier
- Rear Planetary Ring Gear
- 2nd Brake ( $B_2$ )
- Direct Clutch ( $C_2$ )
- O/D Brake ( $B_0$ )
- O/D Input Shaft
- O/D One-Way Clutch ( $F_0$ )
- O/D Planetary Ring Gear
- O/D Planetary Carrier
- O/D Planetary Sun Gear
- Input Shaft
- Front Planetary Ring Gear
- Front Planetary Carrier
- No.1 One-Way Clutch ( $F_1$ )
- Front & Rear Planetary Sun Gear
- No.2 One-Way Clutch ( $F_2$ )
- Output Shaft

○ - - - - Operating

Shift Lever Position	Gear Position	C <sub>0</sub>	C <sub>1</sub>	C <sub>2</sub>	B <sub>0</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	F <sub>0</sub>	F <sub>1</sub>	F <sub>2</sub>
P	Parking	○									
R	Reverse	○		○				○	○		
N	Neutral	○									
D	1st	○	○						○		○
	2nd	○	○				○		○	○	
	3rd	○	○	○			○		○		
	O/D		○	○	○		○				
2	1st	○	○						○		○
	2nd	○	○			○	○		○	○	
	*1 3rd	○	○	○			○		○		
L	1st	○	○					○	○		○
	*2 2nd	○	○			○	○		○	○	

\*2 Down-shift only in the L position and 2nd gear-no up-shift.