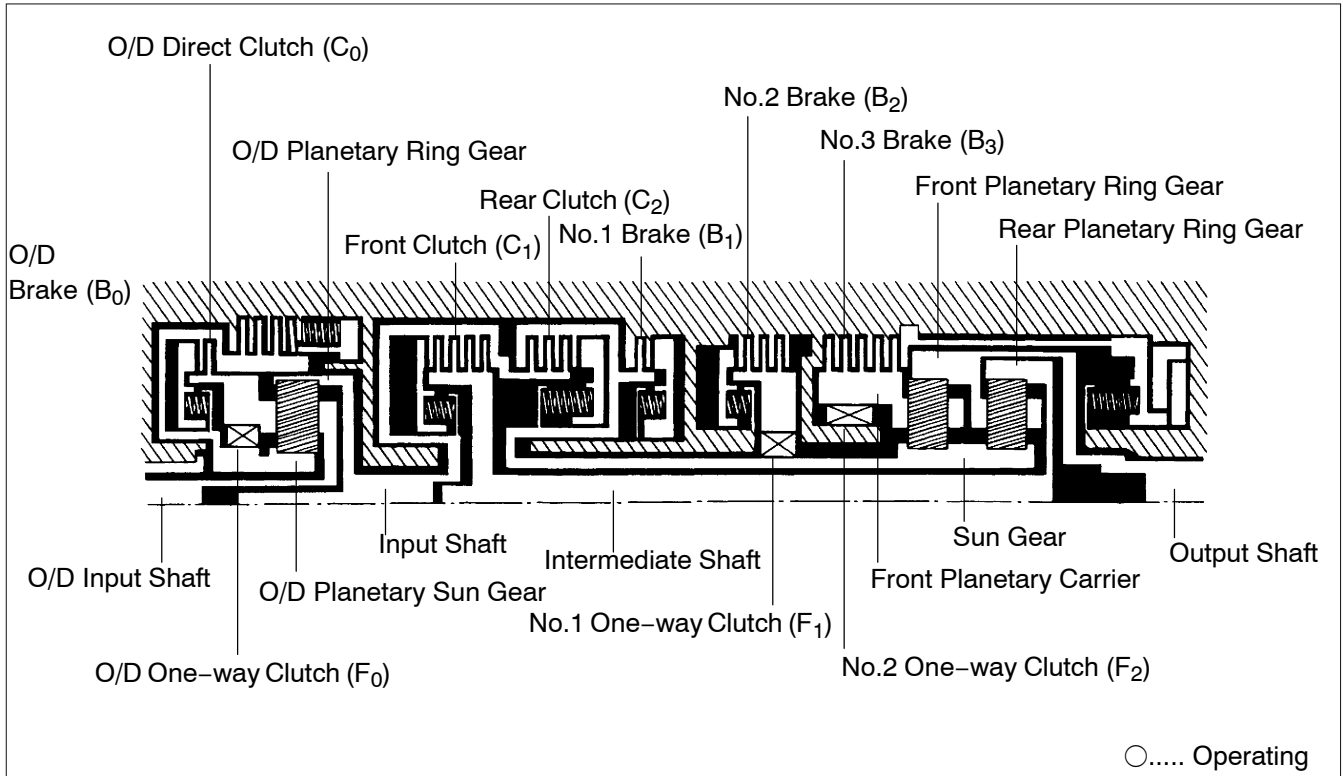


# AUTOMATIC TRANSMISSION SYSTEM OPERATION

AT0HY-01

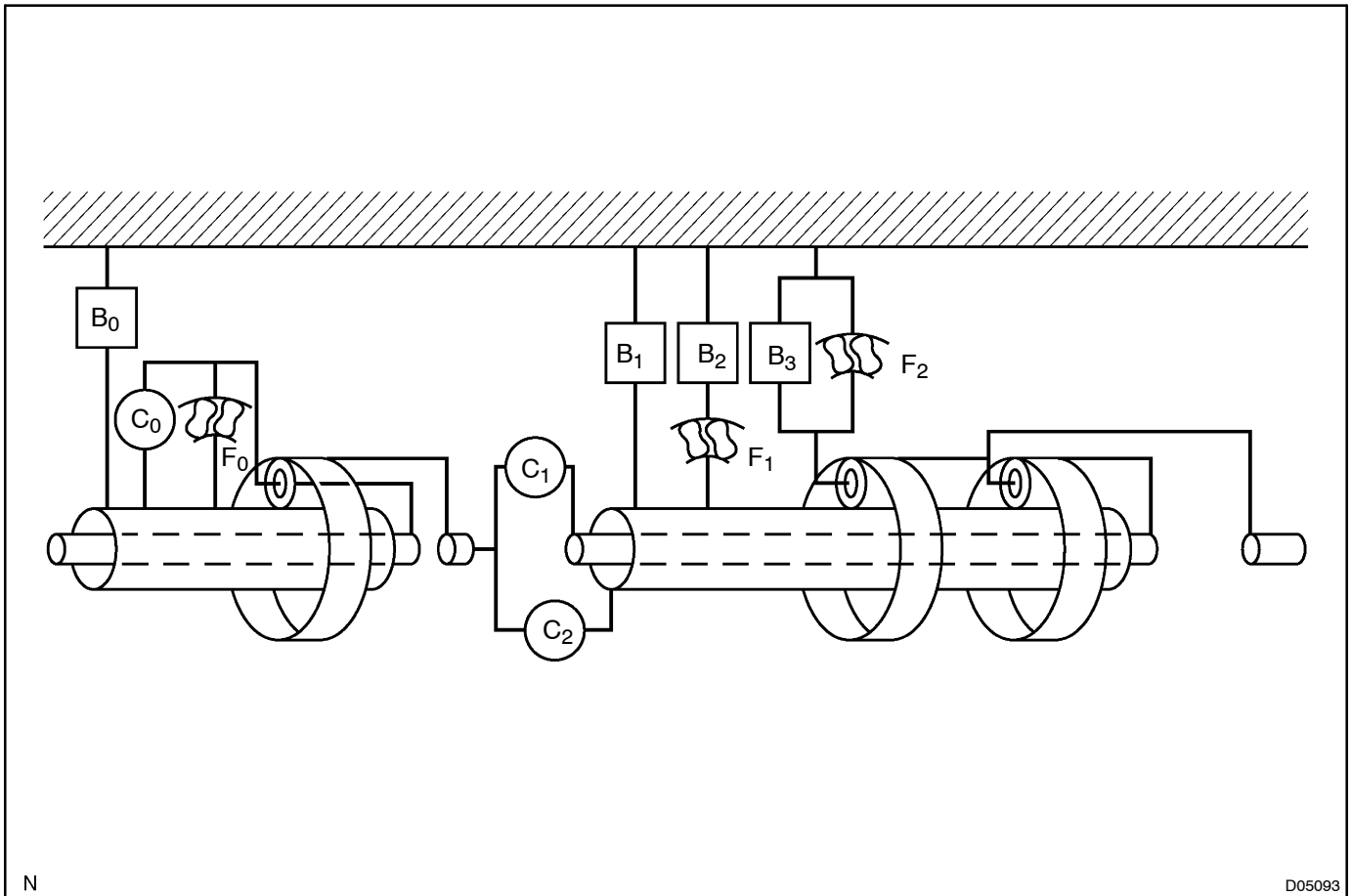


Shift lever range	Gear position	C <sub>0</sub>	C <sub>1</sub>	C <sub>2</sub>		B <sub>0</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>		F <sub>0</sub>	F <sub>1</sub>	F <sub>2</sub>
				I.P.	O.P.				I.P.	O.P.			
P	Parking	○											
R	Reverse	○		○	○				○	○	○		
N	Neutral	○											
D	1st	○	○								○		○
	2nd	○	○					○			○	○	
	3rd	○	○	○				○			○		
	4th		○	○		○		○					
2	1st	○	○								○		○
	2nd	○	○				○	○			○	○	
L	1st	○	○					○	○	○			○

I.P.: Inner Piston  
O.P.: Outer Piston

D00790

FUNCTION OF COMPONENTS



Component		Function
C <sub>0</sub>	O/D Direct Clutch	Connects O/D sun gear & O/D planetary carrier.
C <sub>1</sub>	Forward Clutch	Connects input shaft and intermediate shaft.
C <sub>2</sub>	Direct Clutch	Connects input shaft and front & rear planetary sun gear.
B <sub>0</sub>	O/D Brake	Prevents O/D sun gear from turning either clockwise or counterclockwise.
B <sub>1</sub>	2nd Coast Brake	Prevents front & rear planetary sun gear from turning either clockwise or counterclockwise.
B <sub>2</sub>	2nd Brake	Prevents outer race of F <sub>1</sub> from turning either clockwise or counterclockwise thus preventing the front & rear planetary sun gear from turning counterclockwise.
B <sub>3</sub>	1st & Reverse Brake	Prevents from planetary carrier from turning either clockwise or counterclockwise.
F <sub>0</sub>	O/D One-way Clutch	When the transmission is being driven by the engine, this clutch connects the O/D sun gear and O/D planetary carrier.
F <sub>1</sub>	No. 1 One-way Clutch	When B <sub>2</sub> is operating, this clutch prevents the front & rear planetary sun gear from turning counterclockwise.
F <sub>2</sub>	No. 2 One-way Clutch	Prevents from planetary carrier from turning counterclockwise.