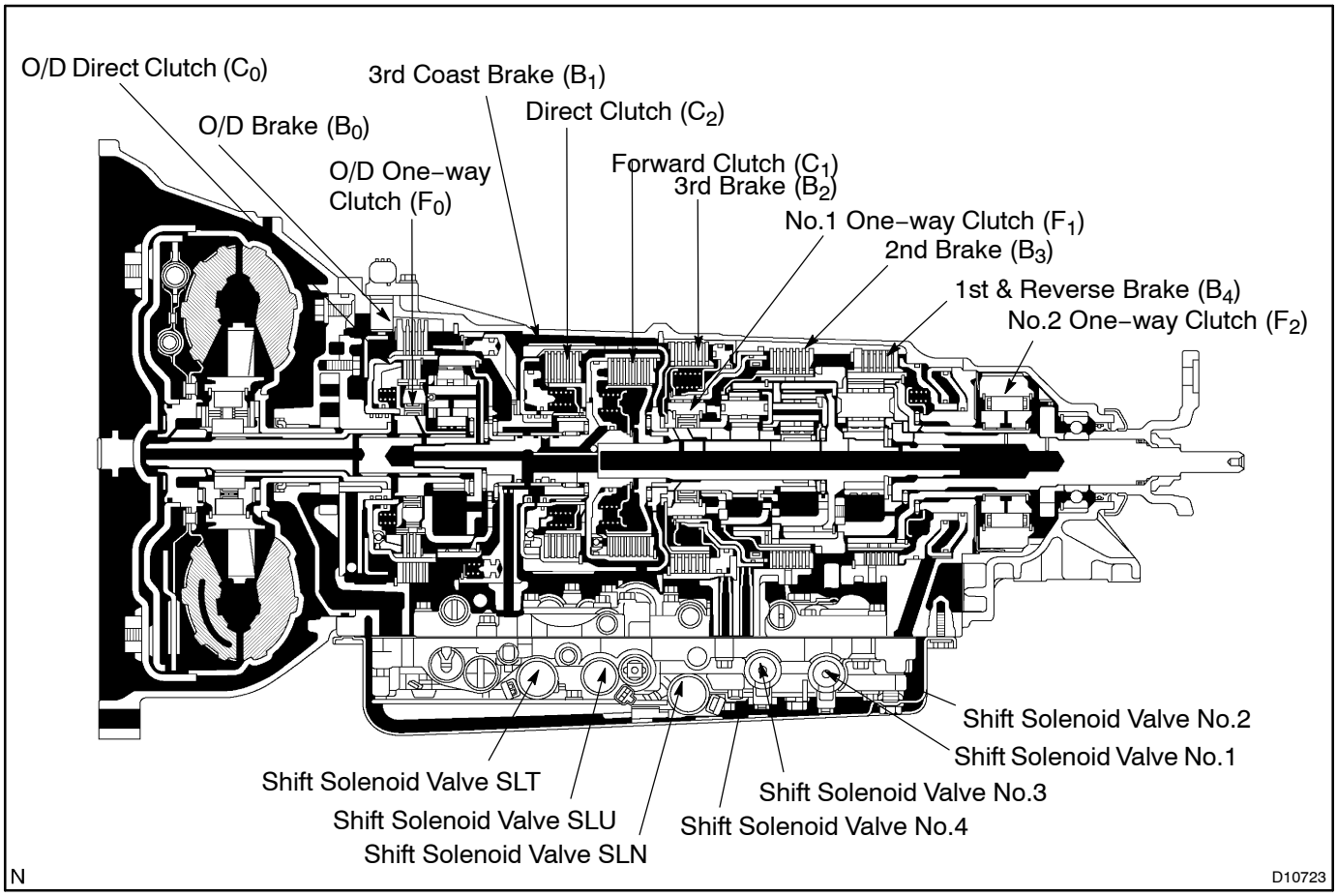
AUTOMATIC TRANSMISSION SYSTEM

AT04A–03

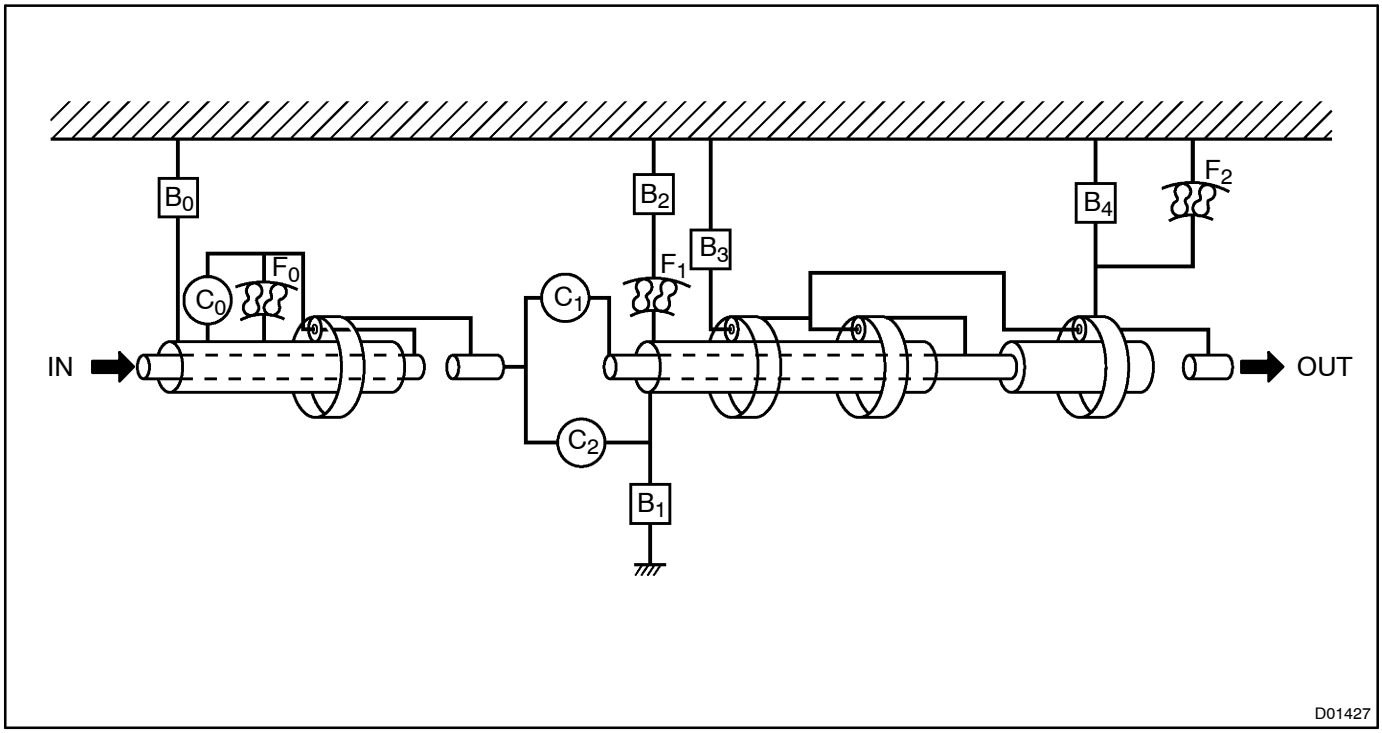
OPERATION



Shift Lever Position	Gear Position	No. 1	No. 2	No. 3	No. 4	C_0	C_1	C_2	B_0	B_1	B_2	B_3	B_4	F_0	F_1	F_2
P	Park	ON	OFF	ON	OFF	○										
R	Reverse	ON	OFF	OFF	ON			○	○				○			
N	Neutral	ON	OFF	ON	OFF	○										
D	1st	ON	OFF	ON	OFF	○	○							○		○
	2nd	ON	ON	ON	OFF	○	○					○		○		
	3rd	OFF	ON	OFF	OFF	○	○				○			○	○	
	4th	OFF	OFF	ON	OFF	○	○	○			○			○		
	5th	OFF	OFF	OFF	ON		○	○	○		○					
4	1st	ON	OFF	ON	OFF	○	○							○		○
	2nd	ON	ON	ON	OFF	○	○					○		○		
	3rd	OFF	ON	OFF	OFF	○	○				○			○	○	
	4th	OFF	OFF	ON	OFF	○	○	○			○			○		
3	1st	ON	OFF	ON	OFF	○	○							○		○
	2nd	ON	ON	ON	OFF	○	○					○		○		
	3rd	OFF	ON	ON	OFF	○	○			○	○			○	○	
2	1st	ON	OFF	ON	OFF	○	○							○		○
	2nd	ON	ON	ON	OFF	○	○					○		○		
L	1st	ON	OFF	OFF	OFF	○	○						○	○		○

○ : Operating

FUNCTION OF COMPONENTS



Component		Function
C_0	O/D Direct Clutch	Connects O/D sun gear & O/D planetary carrier.
C_1	Forward Clutch	Connects input shaft and rear planetary sun gear.
C_2	Direct Clutch	Connects input shaft and front & center planetary sun gear.
B_0	O/D Brake	Prevents O/D sun gear from turning either clockwise or counterclockwise.
B_1	3rd Coast Brake	Prevents front & center planetary sun gear from turning either clockwise or counterclockwise.
B_2	3rd Brake	Prevents outer race of F_1 from turning either clockwise or counterclockwise thus preventing the front & center planetary sun gear from turning counterclockwise.
B_3	2nd Brake	Prevents front planetary carrier from turning either clockwise or counterclockwise.
B_4	1st & Reverse Brake	Prevents rear planetary ring gear from turning either clockwise or counterclockwise.
F_0	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_1	No.1 One−way Clutch	When B_2 is operating, this clutch prevents the front & center planetary sun gear from turning counterclockwise.
F_2	No.2 One−way Clutch	Prevents rear planetary ring gear from turning clockwise.