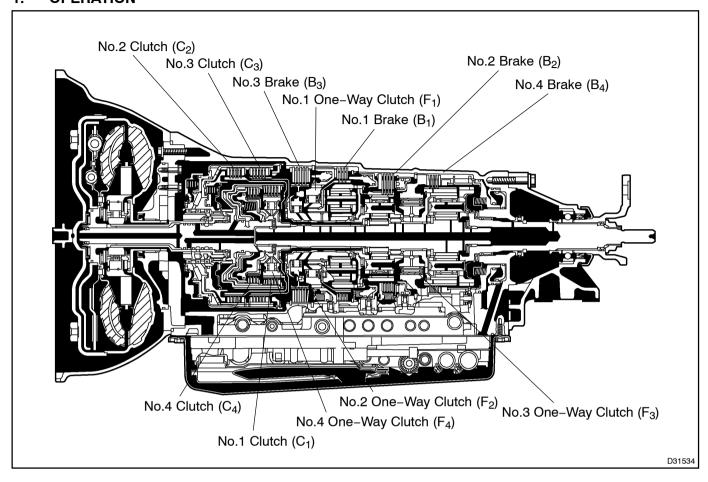
40167-01

SYSTEM DESCRIPTION

1. OPERATION



Shift Lever			Solenoid Valve								Clutch			Brake				One-way Clutch			
Posit	Position		S2	S3	S4	SR	SL1	SL2	SLU	C ₁	C ₂	C ₃	C ₄	B ₁	B ₂	В3	B ₄	F ₁	F ₂	F ₃	F ₄
Р			ON	ON		ON		ON													
R*			ON	ON		ON		ON				0		0			0	0			
N			ON	ON		ON		ON													
	1st		ON	ON		ON		ON		0			0							0	0
	2nd	ON	ON	ON		ON		ON	ON	0			0			0		0	0		0
D, S	3rd	ON		ON		ON		ON	ON	0		0	0			•		0			0
(6)	4th	ON				ON		ON	ON	0	0	•	0			•					0
	5th	ON			ON		ON		ON	•	0	0		0		•					
	6th	ON	ON		ON		ON		ON	•	0			•	0	•					

A761E A/T REPAIR MANUAL (RM1050U)

Author: Date:

22

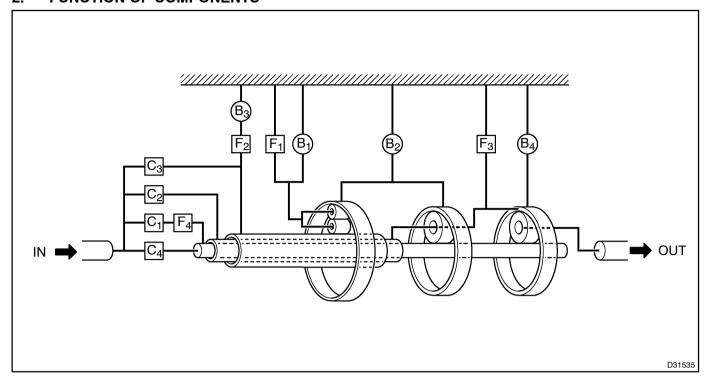
Shift Lever Position		Solenoid Valve								Clutch				Brake				One-way Clutch			
		S1	S2	S3	S4	SR	SL1	SL2	SLU	C ₁	C ₂	C ₃	C ₄	B ₁	B ₂	В3	B ₄	F ₁	F ₂	F ₃	F ₄
S (5)	1st		ON	ON		ON		ON		0			0							0	0
	2nd	ON	ON	ON		ON		ON	ON	0			0			0		0	0		0
	3rd	ON		ON		ON		ON	ON	0		0	0			•		0			0
	4th	ON				ON		ON	ON	0	0	•	0			•					0
	5th	ON			ON		ON		ON	•	0	0		0		•					
	1st		ON	ON		ON		ON		0			0							0	0
S	2nd	ON	ON	ON		ON		ON	ON	0			0			0		0	0		0
(4)	3rd	ON		ON		ON		ON	ON	0		0	0			•		0			0
	4th*	ON				ON		ON	ON	0	0	•	0			•					0
	1st		ON	ON		ON		ON		0			0							0	0
S (3)	2nd	ON	ON	ON		ON		ON	ON	0			0			0		0	0		0
	3rd*	ON		ON		ON			ON	0		0	0	0		•					
S	1st		ON	ON		ON		ON		0			0							0	0
(2)	2nd*	ON	ON	ON	ON	ON			ON	0			0		0	0					
S (1)	1st*		ON	ON		ON				0			0				0				

O: Operation

• Operate but is not related to power transmission

*: with Engine Brake

2. FUNCTION OF COMPONENTS



	Component	Function						
C ₁	No.1 Clutch	Connects input shaft and intermediate shaft.						
C ₂	No.2 Clutch	Connects input shaft and center planetary carrier.						
C ₃	No.3 Clutch	Connects input shaft and front sun gear.						
C ₄	No.4 Clutch	Connects input shaft and intermediate shaft.						
B ₁	No.1 Brake	Prevents front planetary carrier from turning both clockwise and counterclockwise.						
B ₂	No.2 Brake	Prevents front and center ring gear from turning both clockwise and counterclockwise.						
B ₃	No.3 Brake	Prevents outer race of F ₂ from turning both clockwise and counterclockwise.						
B ₄	No.4 Brake	Prevents rear ring gear from turning both clockwise and counterclockwise.						
F ₁	No.1 One-Way Clutch	Prevents front planetary carrier from turning counterclockwise.						
F ₂	No.2 One-Way Clutch	When ${\sf B}_3$ is operating, prevents planetary sun gear from turning counterclockwise.						
F ₃	No.3 One-Way Clutch	Prevents center planetary carrier and rear ring gear from turning counterclockwise.						
F ₄	No.4 One–Way Clutch	Prevents intermediate shaft from turning counterclockwise.						