

EC-AT OPERATION CHART

B3E051701030T04

Z6

Position/Range	Mode	Gear position		Shift pattern			Transaxle						Operation of shift solenoid					
				Shift	TCC	Engine brake	Forward clutch	3-4 clutch	Reverse clutch	2-4 brake band		Low and reverse brake	One-way clutch	Solenoid valve (duty-cycle type)			Solenoid valve (ON / OFF type)	
										Applied	Released			Shift solenoid A	Shift solenoid B	Shift solenoid C	Shift solenoid D	Shift solenoid E
P	-	Neutral	-	-										-	-	-	ON	OFF
R	-	Reverse	2.648	-		×			×			×		OPEN	OPEN	OPEN	OFF	OFF
N	-	Neutral	-	-										-	-	-	ON	OFF
D	POWER/ NORMAL	1GR	2.816	↑			×						⊗	OPEN	CLOSE	CLOSE	OFF	OFF
		2GR	1.497	↑		×	×			×				OPEN	OPEN	CLOSE	OFF	OFF
		3GR	1.000	↑		×	×	×		×	×			OPEN	OPEN	OPEN	OFF	OFF
		4GR	0.725	↑		×		×		×				CLOSE	OPEN	OPEN	ON	OFF
		4GR *2 TCC ON	0.725		×	×		×		×				CLOSE	OPEN	OPEN	ON	ON
M	MANUAL	1GR	2.816	↑	↑	×	×					×	⊗	OPEN	OPEN	CLOSE	ON	ON
		2GR	1.497	↑	↑	×	×			×				OPEN	OPEN	CLOSE	OFF	OFF
		3GR	1.000	↑	↑	×	×	×		×	×			OPEN	OPEN	OPEN	OFF	OFF
		4GR	0.725	↑	↑	×		×		×				CLOSE	OPEN	OPEN	ON	OFF

↑ : Automatic shift according to set speed and throttle opening angle
↑↓ : Manual shift based on selector lever operation
↑↓ : Consecutive shift by tapping selector lever two times in the down-shift (—) direction or up-shift (+) direction
*1 : Automatically switches between POWER and NORMAL modes according to accelerator pedal depressing speed
*2 : Performs TCC operation in NORMAL mode
*3 : Indicates operation although the band servo remains deactivated due to the large area of the release pressure side.
× : Operating
⊗ : Transmits the torque only when driving
OPEN: Engages the line pressure to the clutch pressure (Solenoid de-energized)
CLOSE: Drains the clutch pressure (Solenoid energized)
ON: Engages the output port and the supply port (Solenoid reducing pressure)
OFF: Engages the output port and the drain port (Drains the output port)

B3E0517T070

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Position/Range	Mode	Gear position		Shift pattern			Transaxle						Operation of shift solenoid					
				Shift	TCC	Engine brake	Forward clutch	3-4 clutch	Reverse clutch	2-4 brake band		Low and reverse brake	One-way clutch	Solenoid valve (duty-cycle type)			Solenoid valve (ON / OFF type)	
										Applied	Released			Shift solenoid A	Shift solenoid B	Shift solenoid C	Shift solenoid D	Shift solenoid E
P	-	Neutral	-	-										-	-	-	ON	OFF
R	-	Reverse	2.648	-		×			×			×		OPEN	OPEN	OPEN	OFF	OFF
N	-	Neutral	-	-										-	-	-	ON	OFF
D	POWER/ NORMAL	1GR	2.816	↑			×					⊗	OPEN	CLOSE	CLOSE	OFF	OFF	
		2GR	1.497	↑		×	×		×				OPEN	OPEN	CLOSE	OFF	OFF	
		3GR	1.000	↑		×	×	×	×	+	×		OPEN	OPEN	OPEN	OFF	OFF	
		4GR	0.725	↓		×		×		×			CLOSE	OPEN	OPEN	ON	OFF	
		4GR +2 TCC ON	0.725		×	×		×		×			CLOSE	OPEN	OPEN	ON	ON	
M	MANUAL	1GR	2.816	↑	↑	×	×					×	⊗	OPEN	OPEN	CLOSE	ON	ON
		2GR	1.497	↑	↑	×	×			×			OPEN	OPEN	CLOSE	OFF	OFF	
		3GR	1.000	↑	↑	×	×	×		×	+	×		OPEN	OPEN	OPEN	OFF	OFF
		4GR	0.725	↓	↓	×		×		×			CLOSE	OPEN	OPEN	ON	OFF	
		4GR TCC ON	0.725		×	×	×		×				CLOSE	OPEN	OPEN	ON	ON	

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OPEN: Engages the line pressure to the clutch pressure (Solenoid de-energized)
CLOSE: Drains the clutch pressure (Solenoid energized)
ON: Engages the output port and the supply port (Solenoid reducing pressure)
OFF: Engages the output port and the drain port (Drains the output port)

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