SYSTEM OUTLINE

The cruise control system is a constant vehicle speed controller in which control of the switch on the instrument panel makes it possible to automatically adjust the opening of the engine throttle valve without depressing of the accel. pedal.

1. SET OPERATION

When the cruise control main SW is turned on, the system starts preparations necessary for the cruise control and turns on the indicator light in the combination meter.

2. SET SPEED CONTROL

When the SET/COAST SW is operated with the cruise control main SW turned on during travelling, the constant vehicle speed is controlled.

3. COAST CONTROL

When the SET/COAST SW is kept turned on during cruise control travelling, the engine and ECT ECU controls the throttle valve to decelerate the vehicle. Every time the SET/COAST SW is turned on instantaneously, the vehicle speed is decelerated approximately **1.5** km/h.

4. ACCEL CONTROL

When the RES/ACC SW is kept turned on during cruise control travelling, the engine and ECT ECU controls the throttle valve to accelerate the vehicle. Every time the RES/ACC SW is turned on instantaneously, the vehicle speed is accelerated approximately 1.5 km/h.

5. RESUME CONTROL

When the vehicle speed is within the low speed limit (Approximately 40 km/h, 25 mph) if the cruise control is cancelled, use of the RES/ACC SW accelerates the vehicle to the speed level used before canceling the cruise control.

6. MANUAL CANCEL MECHANISM

If any of the following signals is input during cruise control travelling, the cruise control is cancelled.

- * The stop light SW is turned on.
- * The CANCEL SW is turned on.
- * The cruise control main SW is turned off.
- * The VSC is activated.

7. AUTO CANCEL FUNCTION

If any of the following conditions is encountered, the cruise control is automatically cancelled.

- * The stop light SW wiring is faulty or short-circuited.
- * The vehicle speed signal is faulty.
- * The electronically controlled throttle malfunctions.

8. OVERDRIVE CONTROL FUNCTION

The overdrive control may be cancelled if the vehicle travels on the slope during cruise control travelling. After the overdrive control has been cancelled, if the vehicle speed exceeds the overdrive return speed (The set speed is **2** km/h, **1.2** mph) and it is decided that the slope is finished, the vehicle returns to the overdrive control mode again.

SERVICE HINTS

E2 (A), E3 (B), E5 (D), E6 (E), E7 (F) ENGINE AND ECT ECU

- (E) 9-GROUND : Approx. 12 volts with ignition SW at ON or ST position
- (E) 1-GROUND: Always approx. 12 volts
- (A) 9, (A) 21, (A) 31, (B) 1, (B) 17, (E) 22, (F) 9-GROUND: Always continuity
- (D) 6-GROUND : Approx. 12 volts with stop light SW at on
- (D)23-GROUND: Continuity with cruise control main SW at on

Approx. **1540** Ω with CANCEL SW on in cruise control SW

Approx. 240 Ω with RES/ACC SW on in cruise control SW

Approx. 630 Ω with SET/COAST SW on in cruise control SW

C15 CRUISE CONTROL SW [COMB. SW]

5–4 : Approx. **1540** Ω with CANCEL SW on

Approx. **240** Ω with RES/ACC SW on

Approx. **630** Ω with SET/COAST SW on

: PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
A10		68 (LHD)	E7	F	68 (LHD)	J34		88 (RHD)
		82 (RHD)	L/		82 (RHD)	J35		88 (RHD)
A16		72 (LHD)	J1		70 (LHD)	J36	В	88 (RHD)
^	10	86 (RHD)	J2		70 (LHD)	J37		88 (RHD)
С	.2	68 (LHD)	J3	Α	70 (LHD)	J38	В	88 (RHD)
~	.5	82 (RHD)	J4	В	70 (LHD)	J39	В	88 (RHD)
C11	Α	72 (LHD)	J	5	70 (LHD)	J42		88 (RHD)
	^	86 (RHD)	J7	Α	74 (LHD)	MO		74 (LHD)
C12	В	72 (LHD)	J8		74 (LHD)	M2		88 (RHD)
012		86 (RHD)	J9	Α	74 (LHD)	N	1	70 (LHD)
C.	15	72 (LHD)	J14		74 (LHD)	N1		84 (RHD)
~	13	86 (RHD)	J15	В	74 (LHD)	S12		74 (LHD)
E2	Α	68 (LHD)	J1	8	74 (LHD)	312		88 (RHD)
L L Z	^	82 (RHD)	J25		84 (RHD)	T2		70 (LHD)
E3	B D	68 (LHD)	J2	26	84 (RHD)	1.	L	84 (RHD)
L3		82 (RHD)	J27	Α	84 (RHD)	т	3	70 (LHD)
E5		68 (LHD)	J28	В	84 (RHD)	Т3		84 (RHD)
		82 (RHD)	J29		84 (RHD)	T5		74 (LHD)
E6	Е	68 (LHD)	J31		88 (RHD)	13		88 (RHD)
		82 (RHD)	J32		88 (RHD)			

: RELAY BLOCKS

	Code	See Page	Relay Blocks (Relay Block Location)
Г	1	54 (LHD)	Engine Room No.1 R/B (Engine Compartment Right)
'	'	54 (RHD)	Engine Room No.1 R/B (Engine Compartment Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)		
1D	58 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)		
	58 (RHD)	Instrument Panel Wire and Driver Side J/B (Right Kick Panel)		
1F	58 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)		
"	58 (RHD)	Cowl Wire and Driver Side J/B (Right Kick Panel)		
1G	59 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)		
16	59 (RHD)	Cowl Wire and Driver Side J/B (Right Kick Panel)		
1H	59 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)		
	59 (RHD)	Cowl Wire and Driver Side J/B (Right Kick Panel)		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)		
EA1	96 (LHD)			
	106 (RHD)			
EA2	96 (LHD)	Engine Wire and Cowl Wire (Inside of the ECU Box)		
LAZ	106 (RHD)	— Eligine Wile and Cowi Wile (hiside of the ECO Box)		
EA3	96 (LHD)			
LAS	106 (RHD)			
IA1	108 (RHD)	Engine Room Main Wire and Cowl Wire (Near the Passenger Side R/B)		
IA2	98 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Driver Side J/B)		
1/1/2	108 (RHD)	Engine Room Main Wire and Cowl Wire (Near the Passenger Side R/B)		
ID1	98 (LHD)	Cowl Wire and Cowl Wire (Left Side of the Instrument Panel Reinforcement)		
	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Blower Unit)		
IE1	98 (LHD)	Instrument Panel Wire and Cowl Wire (Left Side of the Steering Column)		
II1	100 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Passenger Side R/B)		
""	110 (RHD)	Cowl Wire and Cowl Wire (Left Side of the Steering Column)		
114	100 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Passenger Side R/B)		
IJ1	100 (LHD)	Instrument Panel Wire and Cowl Wire (Left Side of the Blower Unit)		
101	110 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Steering Column)		

: GROUND POINTS

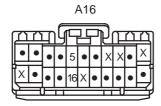
Code	See Page	Ground Points Location			
EB	96 (LHD)	Left Fender			
EB	106 (RHD)	Leiti eiluei			
EC	96 (LHD)	Front Side of the Intake Manifold			
	106 (RHD)				
ED	96 (LHD)	Rear Side of the Intake Manifold			
	106 (RHD)	Neal Side of the intake Mailliold			
EE	96 (LHD)	Under the ABS & TRC & VSC Actuator			
	106 (RHD)				
IF	98 (LHD)	Left Kick Panel			
"	108 (RHD)	- Leit Nick Fallei			
	98 (LHD)	Right Side of the Cowl Panel			
11	108 (RHD)	Cowl Side Panel RH			

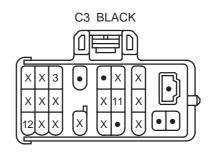
: SPLICE POINTS

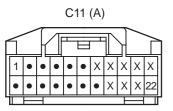
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points	
E1	96 (LHD)		E2	106 (RHD)	Engine Wire	
	106 (RHD)	Engine Wire	E4	96 (LHD)	Cowl Wire	
E2	96 (LHD)			106 (RHD)	- Cowi wile	

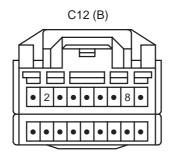
CRUISE CONTROL



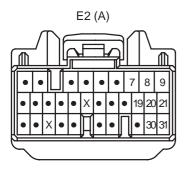


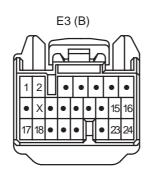


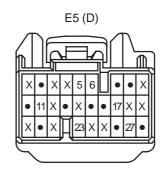




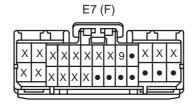


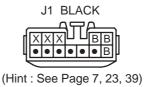


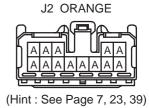


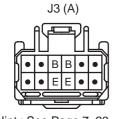


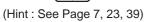


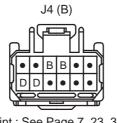








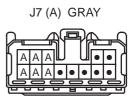




(Hint : See Page 7, 23, 39)



(Hint: See Page 7, 23, 39)



(Hint: See Page 7, 23, 39)

