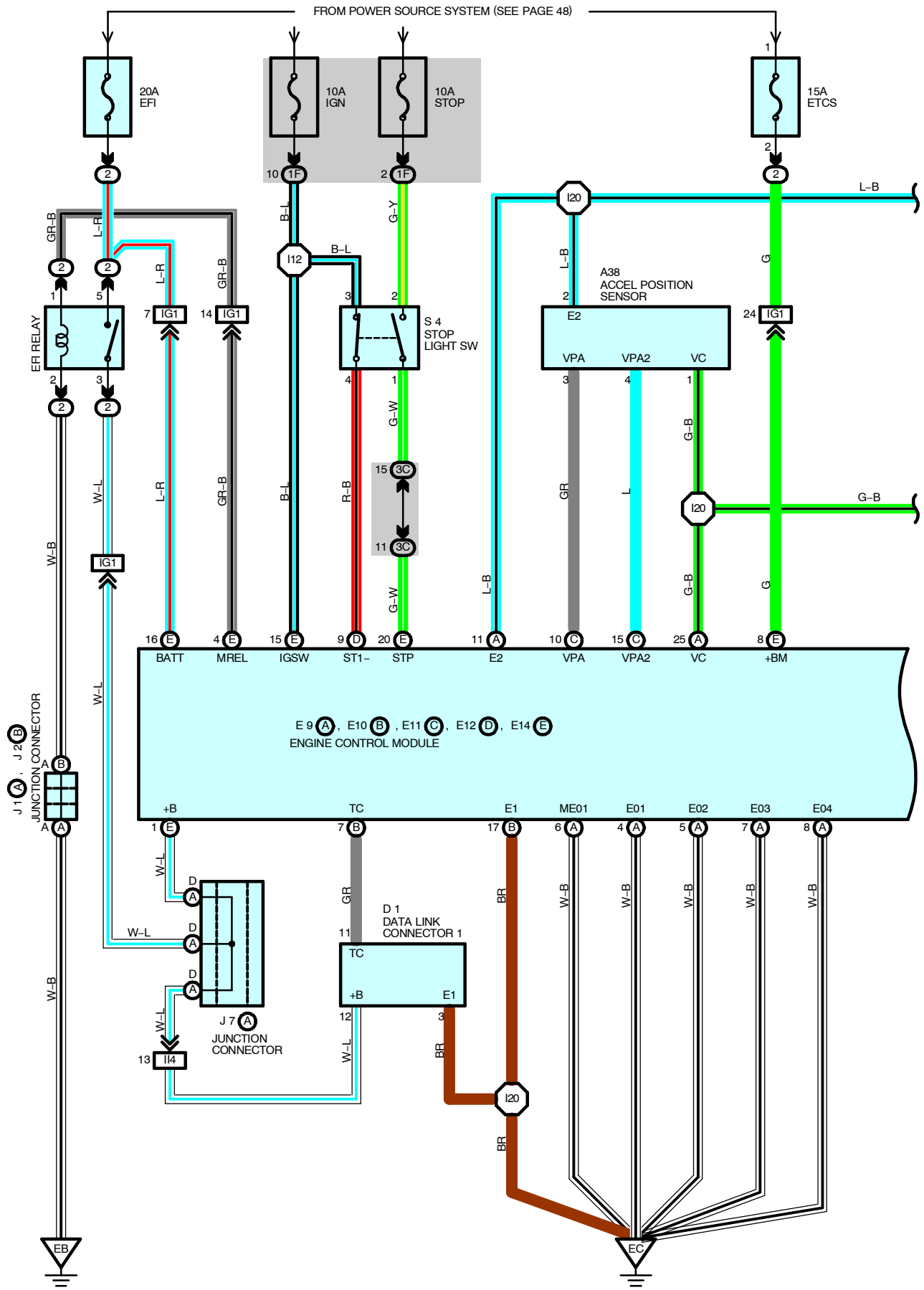
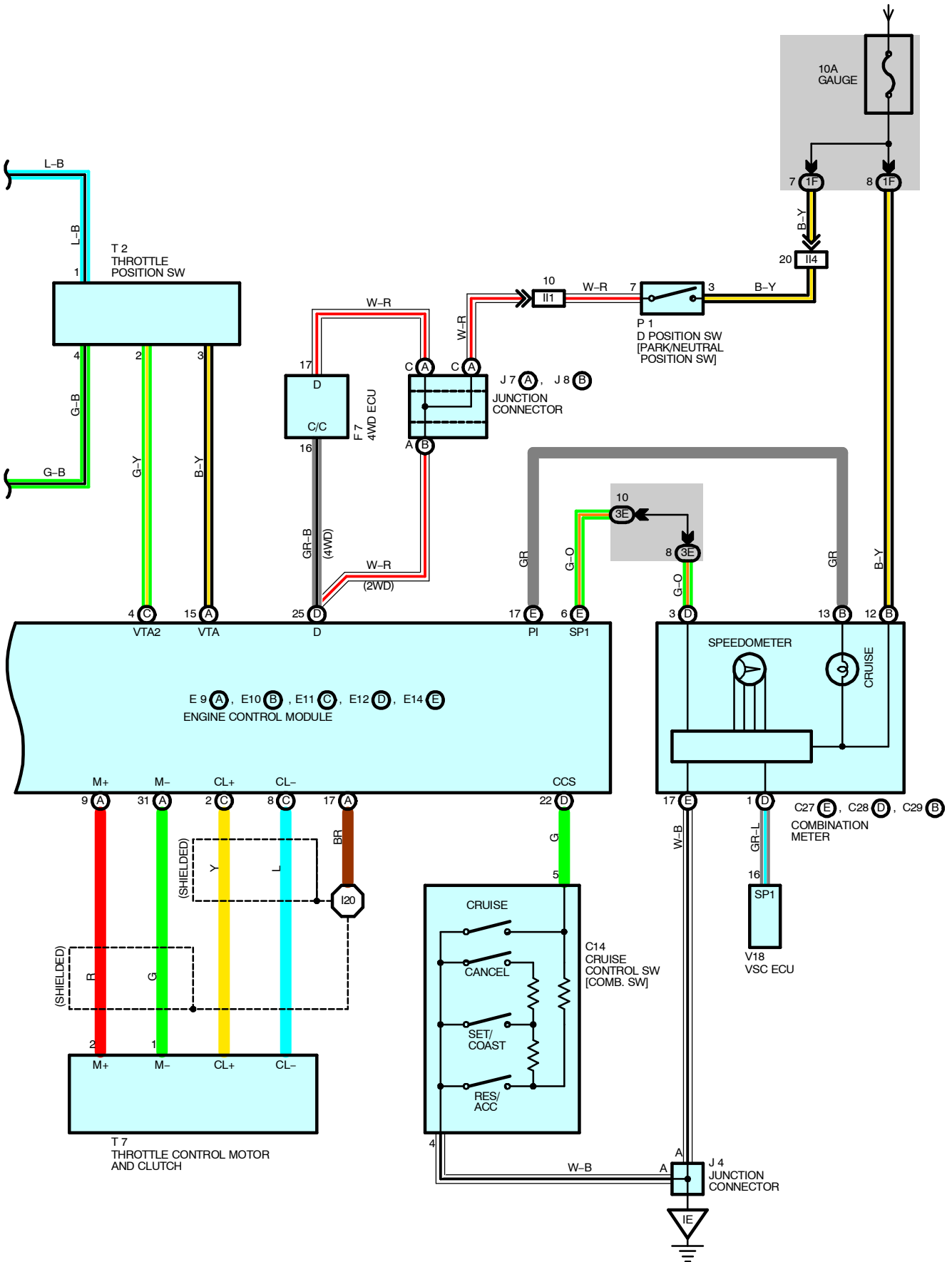


CRUISE CONTROL





CRUISE CONTROL

SYSTEM OUTLINE

The cruise control system allows to travel at a constant speed, by the operation of the switch, without having to depress the accelerator pedal. In this system, the engine throttle valve opening angle is adjusted automatically to control the vehicle at a constant speed.

1. SET CONTROL

When the SET/COAST SW is operated while traveling with the CRUISE SW ON, the speed when the SW is operated to OFF (SW released) is memorized, and the vehicle speed is controlled at that speed.

2. COAST CONTROL

When the SET/COAST SW is operated to ON, the motor in the actuator rotates the throttle valve until it is closed fully to decrease the vehicle speed, and the speed when the SW is operated to OFF is memorized, and the vehicle speed is controlled at that speed.

Furthermore, every time the SET/COAST SW is operated momentarily (Approx. 0.5 sec.) to ON, the memorized vehicle speed is decreased by approx. 1.5 km/h.

3. ACCEL CONTROL

When the RESUME/ACCEL SW is operated to ON, the motor in the actuator rotates the throttle valve to open direction to increase the vehicle speed, and the speed when the SW is operated to OFF is memorized, and the vehicle speed is controlled at that speed.

Furthermore, every time the RES/ACC SW is operated momentarily (Approx. 0.5 sec.) to ON, the memorized vehicle speed is increased by approx. 1.5 km/h.

4. MANUAL CANCEL MECHANISM

If any of the following signals are input during cruise control traveling, the magnetic clutch of the actuator is turned off, and the current to the motor flows in the direction to close the throttle valve, and cancel the cruise control.

- (1) Stop light SW is ON (Brake pedal is depressed)
- (2) The CANCEL SW of the control SW is ON
- (3) CRUISE SW is OFF

5. RESUME CONTROL

After canceling the cruise control (Except when the CRUISE SW is OFF) if the vehicle speed is above the minimum speed limit (Approx. 40 km/h, 25 mph), operating the RES/ACC SW from OFF to ON will cause the system to accelerate and resume to the vehicle speed before manual cancellation.

6. OVERDRIVE FUNCTION

The overdrive may be cut on an uphill grade, while traveling with the cruise control.

After the overdrive is cut, if the vehicle speed reaches the overdrive resume speed (Set speed minus 2 km/h), and if the system determines that the uphill grade has finished, the overdrive will resume after the overdrive timer operation.

7. AUTO CANCEL OPERATION

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.

SERVICE HINTS

E9 (A), E10 (B), E12 (D), E14 (E) ENGINE AND ECT ECU

(E)15-GROUND: Approx. 12 volts with ignition SW at ON or ST position

(E)16-GROUND: Always approx. 12 volts

(A)4, (A) 5, (A) 6, (A) 7, (A) 8, (B) 17-GROUND: Always continuity

(E)20-GROUND: Approx. 12 volts with stop light SW at on

(D)22-GROUND: Continuity with cruise control 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

C14 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	
A38		28		E11	C	31		J8	B	31	
C14		30		E12	D	31		P1		29	
C27	E	30		E14	E	31		S4		31	
C28	D	30		F7		31		T2		29	
C29	B	30		J1	A	29		T7		29	
D1		28		J2	B	29		V18		31	
E9	A	31		J4		31					
E10	B	31		J7	A	31					

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
2	22	Engine Room R/B (Engine Compartment Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	24	Cowl Wire and Driver Side J/B (Lower Finish Panel)
3C	26	Cowl Wire and Center J/B (Near the Steering Column Tube)
3E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IG1	38	Engine Room Main Wire and Cowl Wire (Left Kick Panel)
II1	40	Engine Wire and Cowl Wire (On the Glove Box)
II4		

: GROUND POINTS

Code	See Page	Ground Points Location
EB	36	Front Left Fender
EC	36	Intake Manifold Left
IE	38	Cowl Side Panel LH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I12	40	Cowl Wire	I20	40	Engine Wire