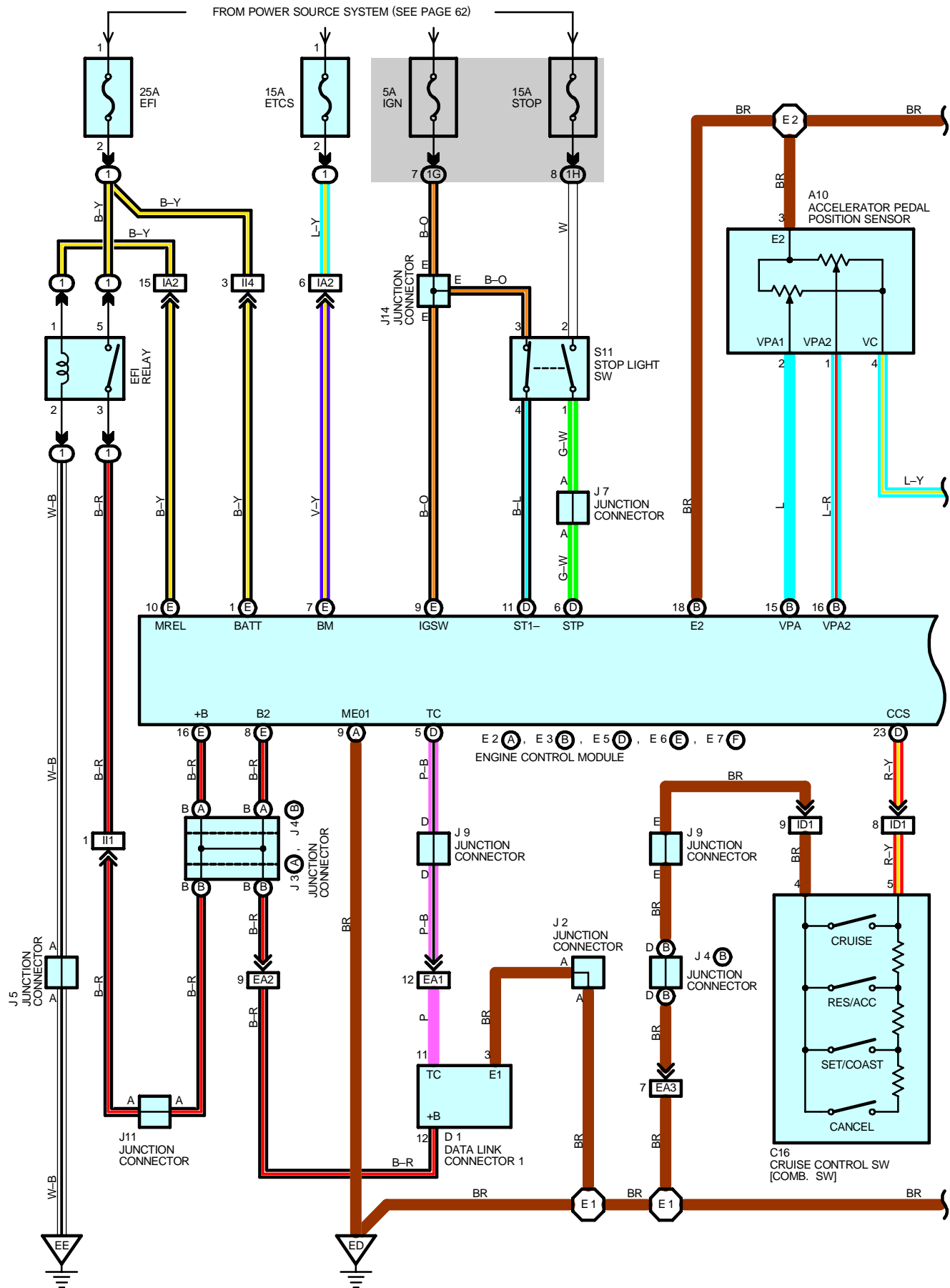
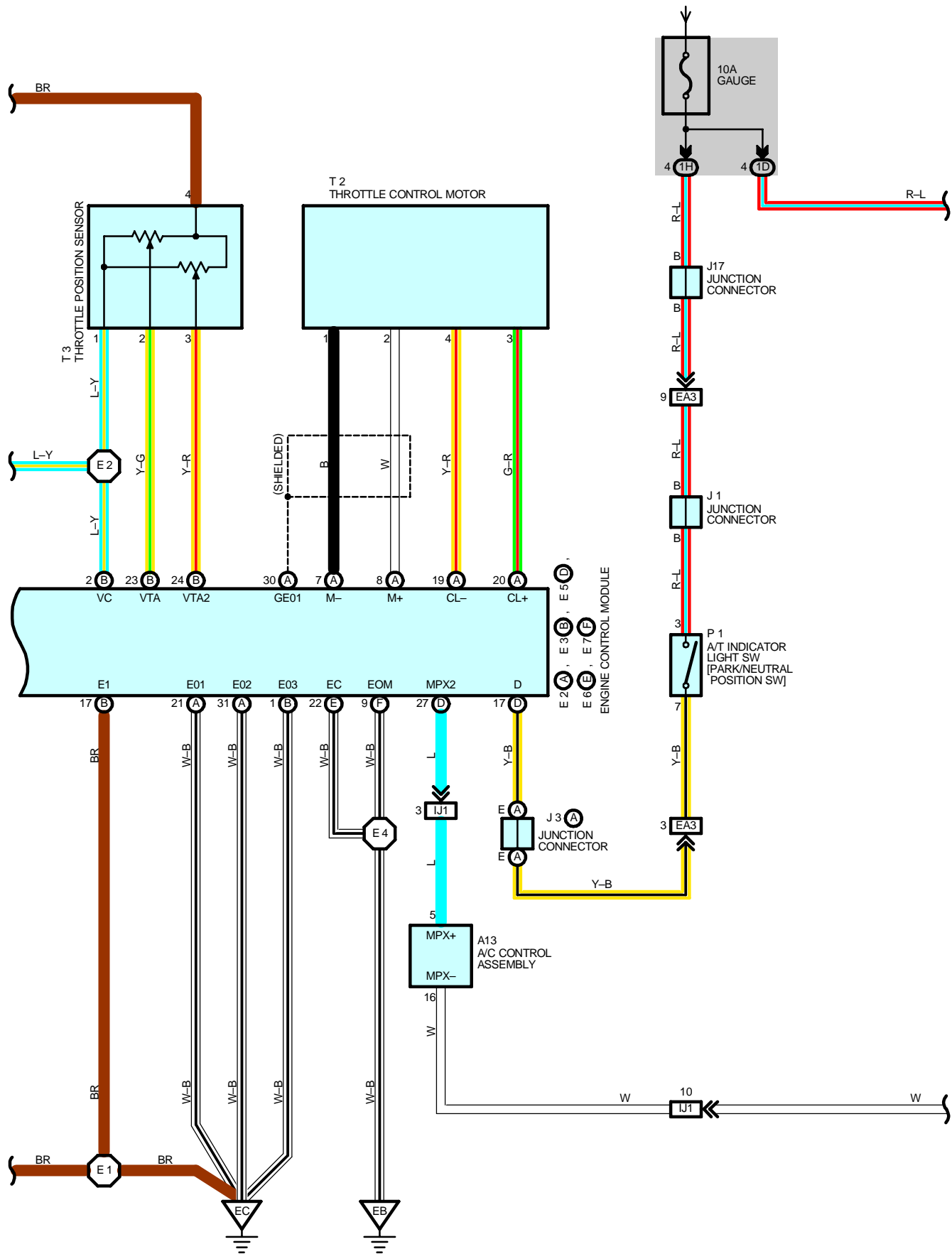


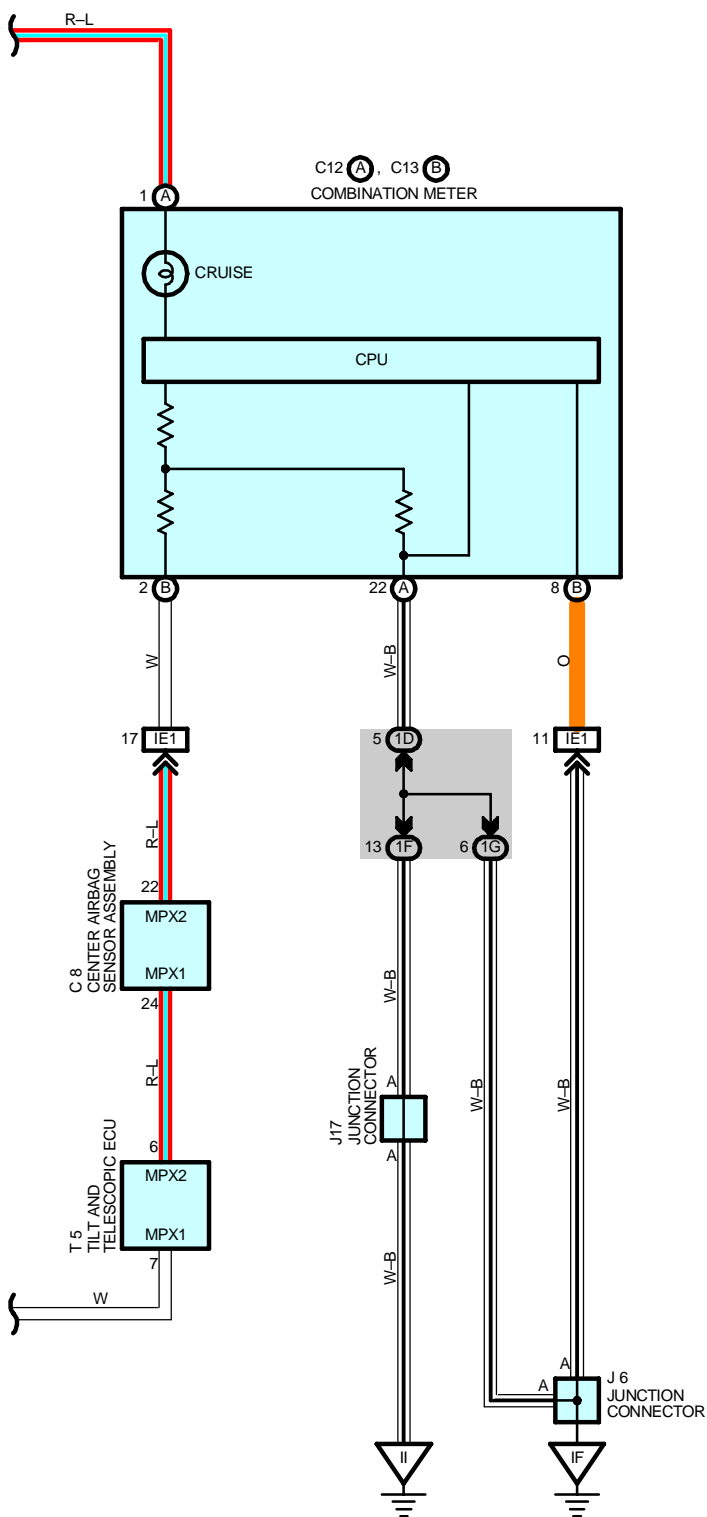
CRUISE CONTROL (2JZ-GE)



FROM POWER SOURCE SYSTEM (SEE PAGE 62)



CRUISE CONTROL (2JZ-GE)



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 control module 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 control module 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 CONTROL MODULE

(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

C16 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

CRUISE CONTROL (2JZ-GE)

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A10	40 (2JZ-GE)	E6	E	J11	43
A13	42	E7	F	J14	43
C8	42	J1	41 (2JZ-GE)	J17	43
C12	A	J2	41 (2JZ-GE)	P1	41 (2JZ-GE)
C13	B	J3	A	S11	43
C16	42	J4	B	T2	41 (2JZ-GE)
D1	40 (2JZ-GE)	J5	41 (2JZ-GE)	T3	41 (2JZ-GE)
E2	A	J6	43	T5	43
E3	B	J7	43		
E5	D	J9	43		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	24	Engine Room No.1 R/B (Engine Compartment Right)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	28	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1F	28	Cowl Wire and Driver Side J/B (Left Kick Panel)
1G	29	
1H		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	50 (2JZ-GE)	Engine Wire and Cowl Wire (Inside of the ECU Box)
EA2		
EA3		
IA2	52	Engine Room Main Wire and Cowl Wire (Near the Driver Side J/B)
ID1	52	Cowl Wire and Cowl Wire (Left Side of the Instrument Panel Reinforcement)
IE1	52	Instrument Panel Wire and Cowl Wire (Left Side of the Steering Column)
II1	52	Engine Room Main Wire and Cowl Wire (Near the Passenger Side R/B)
II4		
IJ1	54	Instrument Panel Wire and Cowl Wire (Left Side of the Blower Unit)

: GROUND POINTS

Code	See Page	Ground Points Location
EB	50 (2JZ-GE)	Left Fender
EC	50 (2JZ-GE)	Front Side of the Intake Manifold
ED	50 (2JZ-GE)	Rear Side of the Intake Manifold
EE	50 (2JZ-GE)	Under the ABS & TRAC & VSC Actuator
IF	52	Left Kick Panel
II	52	Right Side of the Cowl Panel

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	50 (2JZ-GE)	Engine Wire	E4	50 (2JZ-GE)	Cowl Wire
E2					

