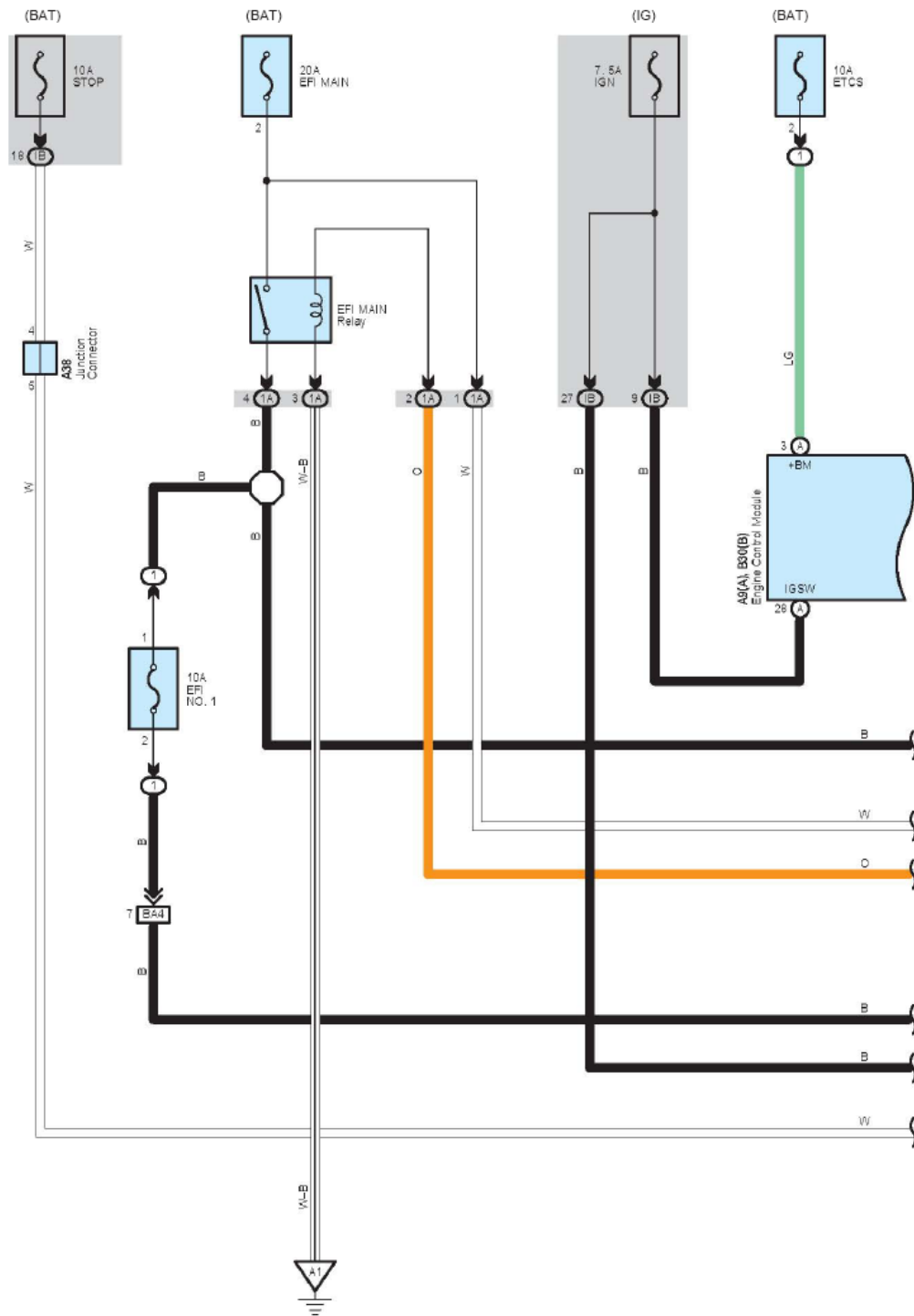
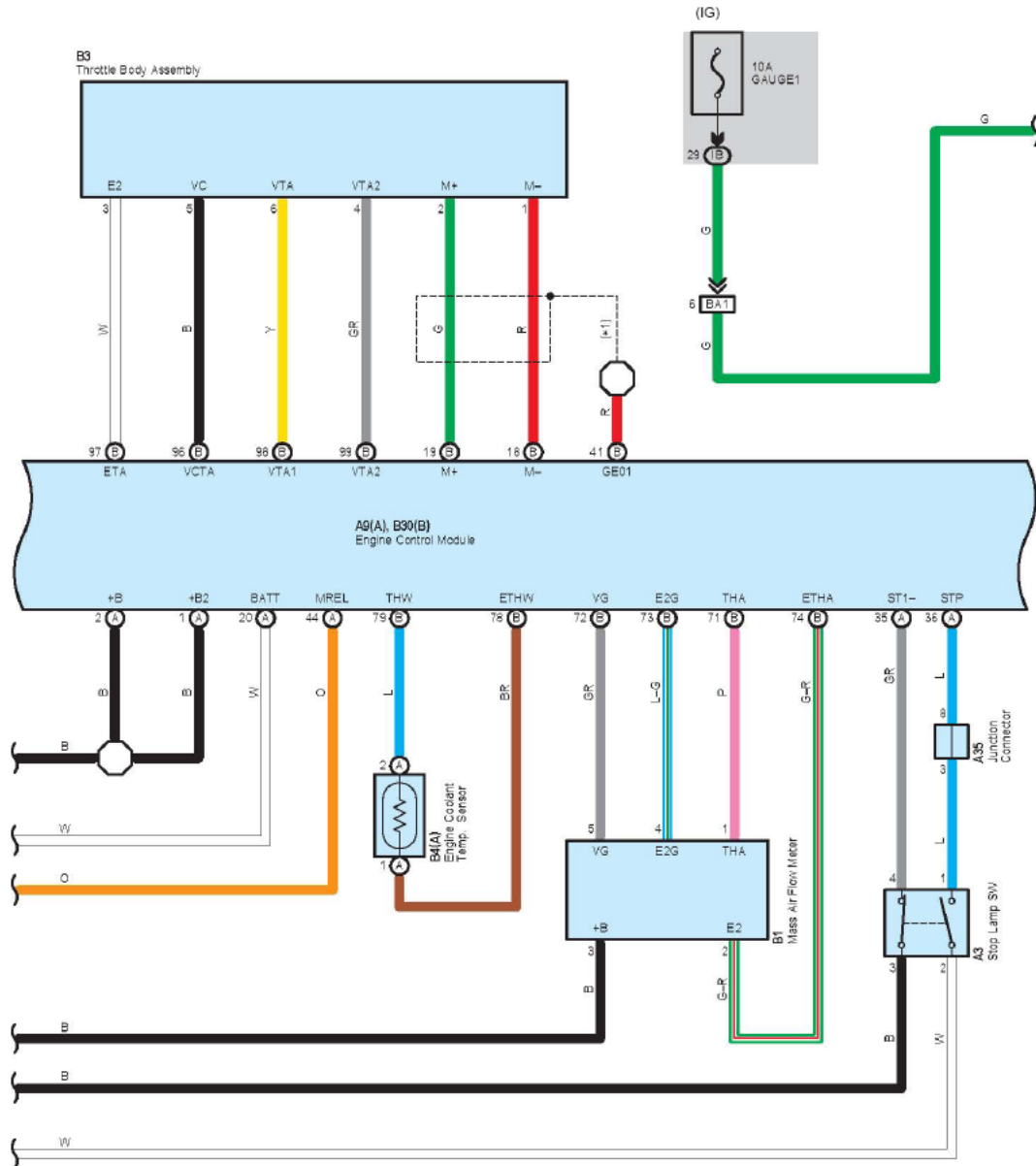
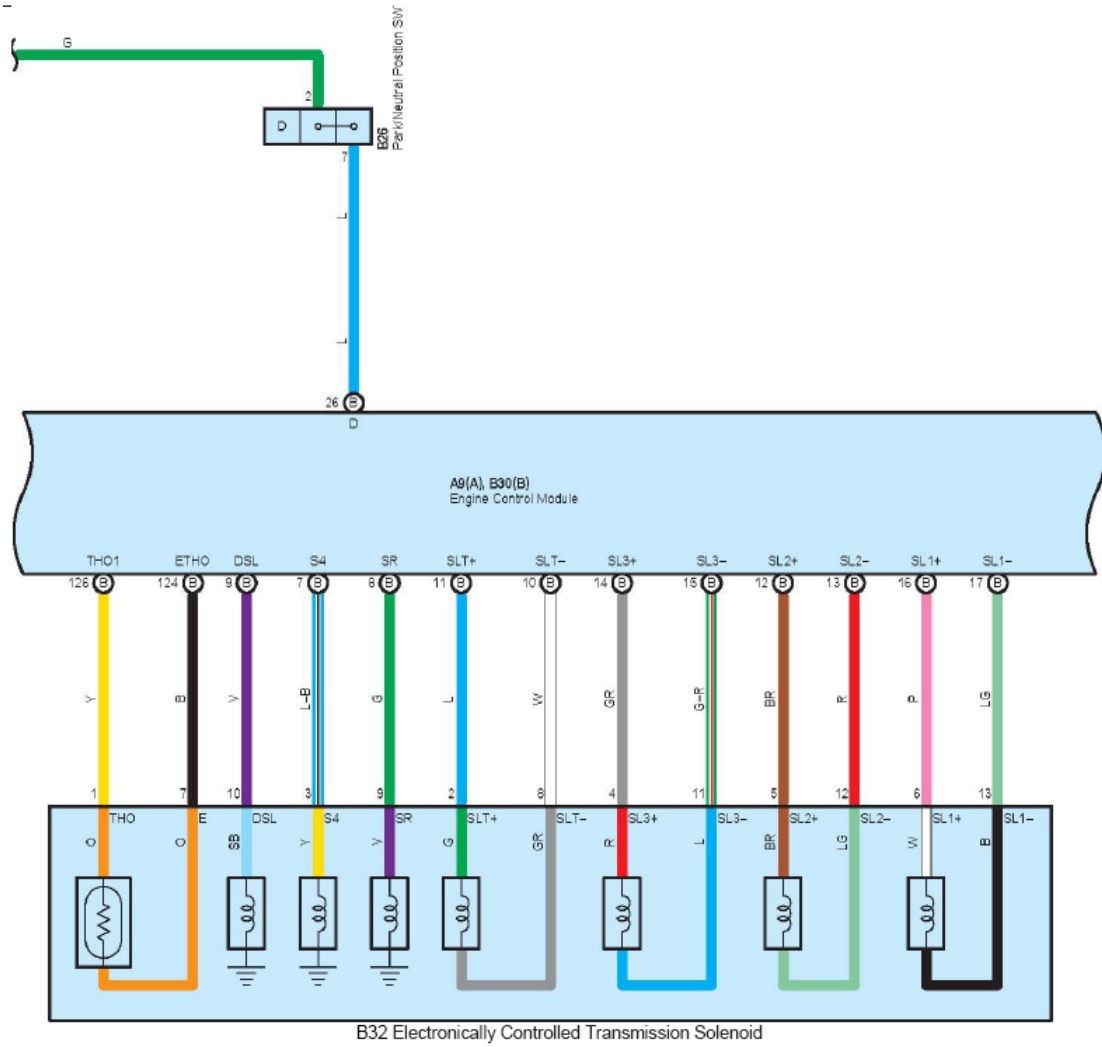
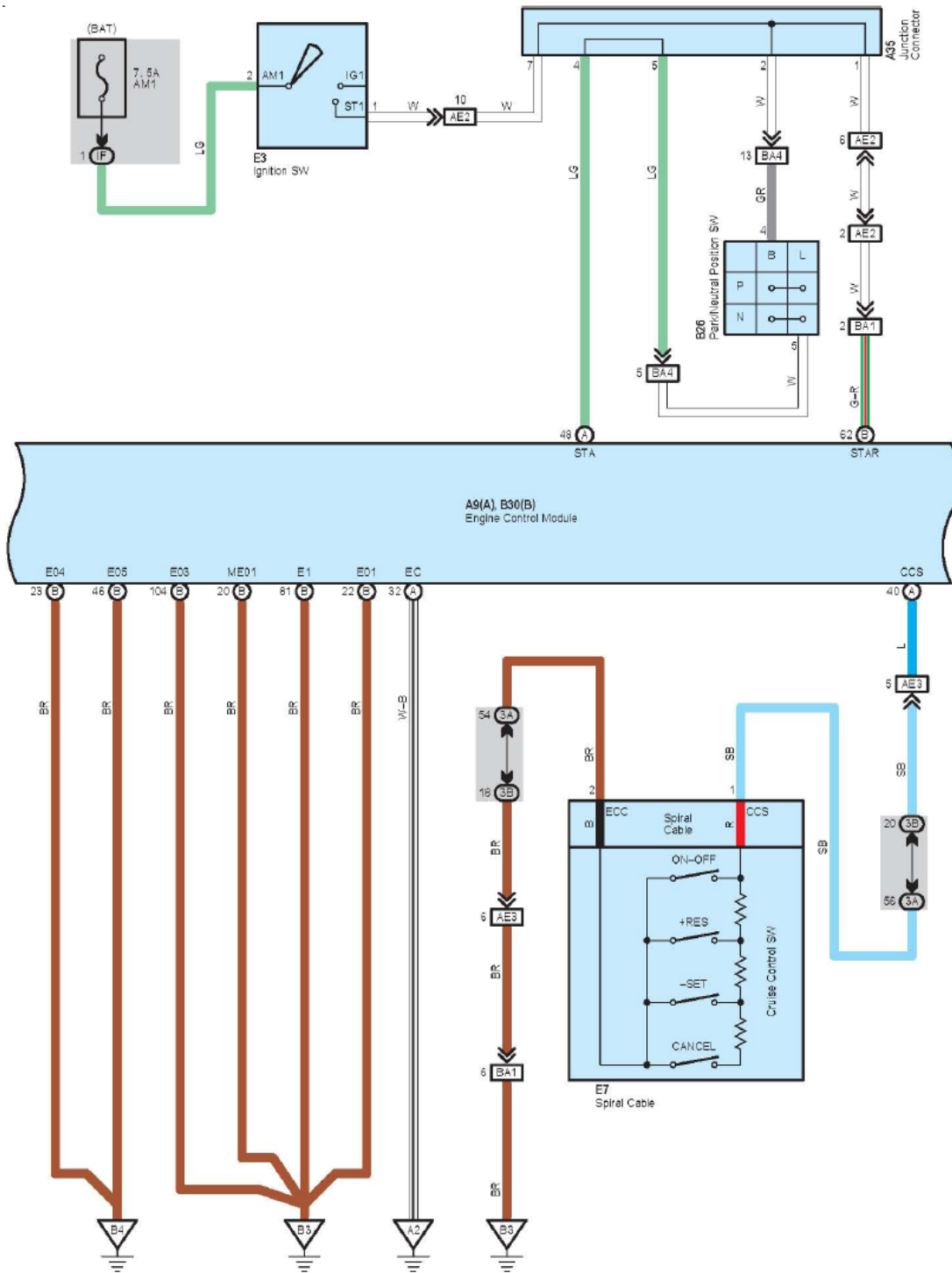


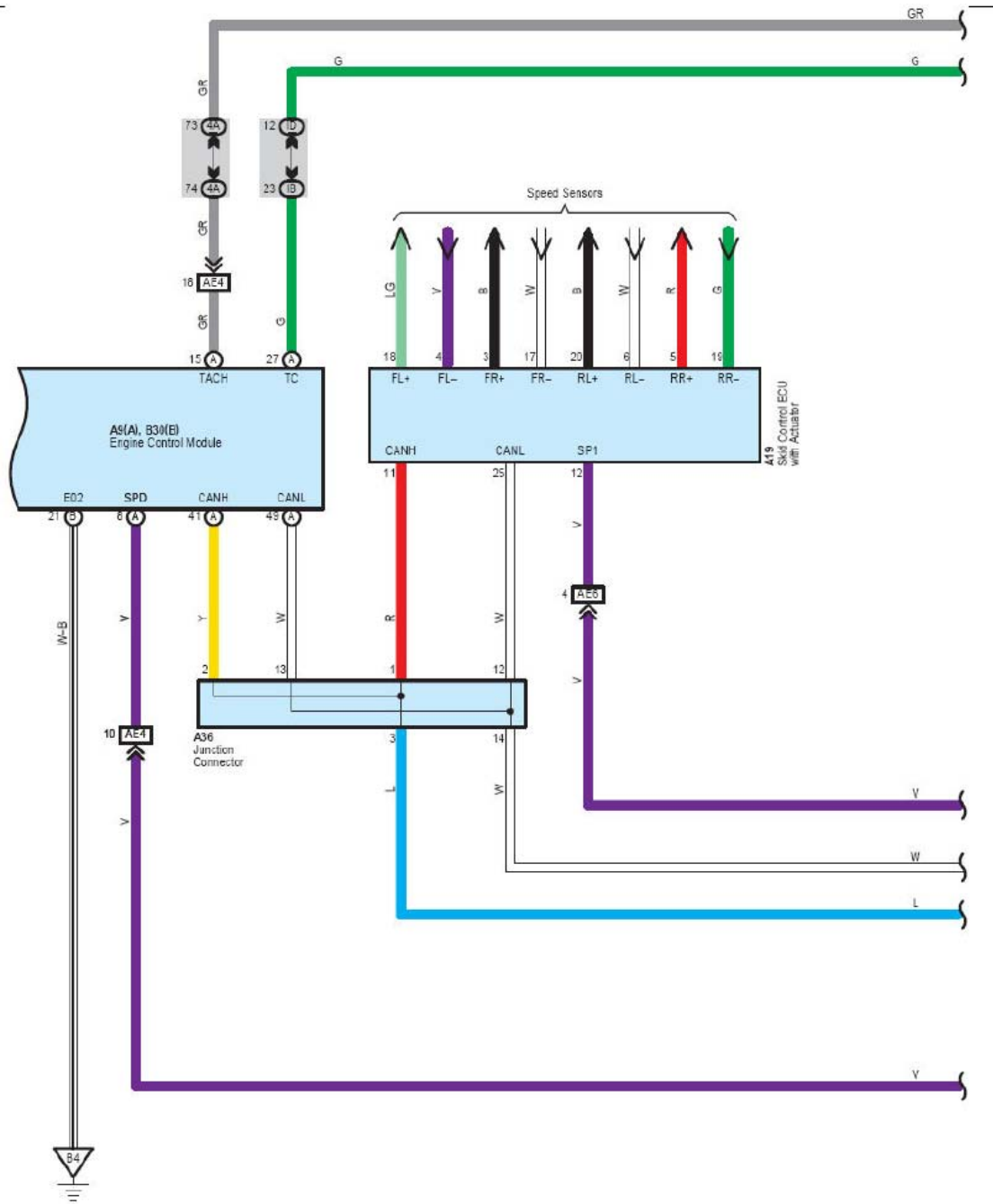
Cruise Control for 2GR-FE

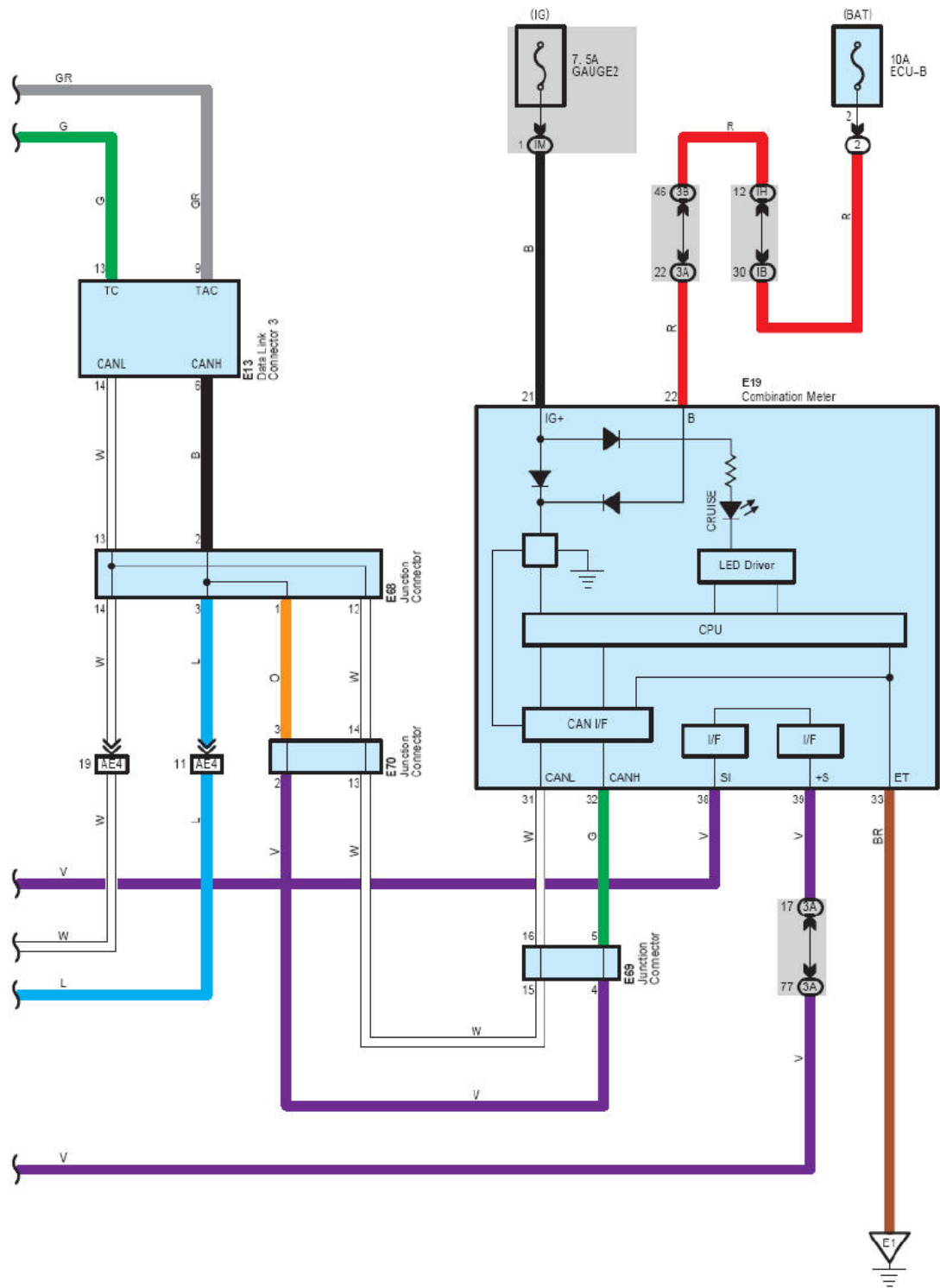












System Outline

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 Control

When the –SET switch is turned from ON to OFF during driving with the main switch ON, the vehicle speed at that time is registered and the vehicle is controlled at that constant speed.

2. Coast Control

When the –SET switch is kept ON during driving with the cruise control, the cruise control required opening gets zero to reduce the vehicle speed. If the SET/COAST switch is turned OFF, the vehicle speed at that time is registered and the vehicle is controlled at the constant speed.

3. Tap Up Control

Whenever +RES switch is tapped ON instantaneously (For approximately 0.5 sec.), the registered vehicle speed increases by about 1.6 km/h.

4. Tap Down Control

Whenever the –SET switch is tapped ON instantaneously (For approximately 0.5 sec.), the registered vehicle speed decreased by about 1.6 km/h.

5. Accel Control

When +RES switch kept ON during driving with the cruise control, the engine control module controls the throttle valve to accelerate the vehicle.

It also registers the vehicle speed when +RES switch is turned OFF and controls the vehicle at the constant speed.

6. Manual Cancel Mechanism

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

The stop lamp SW is turned on.

The CANCEL SW is turned on.

The ON–OFF SW is turned off.

Gear is shifted from D position to other positions than D.

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. Other Cancel Function

If any operate VSC system the cruise control is cancelled.

9. 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, when climbing hill is judged to finish from throttle opening information, the vehicle returns to the overdrive control mode again after the overdrive return timer is completed.

Relay Blocks

Code	Relay Blocks (Relay Block Location)
1	Engine Room R/B No.1 (Engine Compartment Left)
2	Engine Room R/B No.2 (Engine Compartment Right)

Junction Block and Wire Harness Connector

Code	Junction Block and Wire Harness (Connector Location)
1A	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	Instrument Panel Wire and J/B No.3 (Instrument Panel Center)Instrument Panel Wire and J/B No.3 (Instrument Panel Center)
3B	
4A	Instrument Panel Wire and J/B No.4 (Instrument Panel Center)
IB	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
ID	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IF	
IH	
IM	

Connector Joining Wire Harness and Wire Harness

Code	Joining Wire Harness and Wire Harness (Connector Location)
AE2	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
AE3 _	
AE4 _	
AE6 _	
BA1	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B No.1 and Engine Room J/B No.1)Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B No.1 and Engine Room J/B No.1)
BA4 _	

Ground Points

Code	Ground Points Location
A1	Front Left Fender
A2 _	
B3	Left Side of the Cylinder HeadLeft Side of the Cylinder Head
B4 _	
E1	Left Kick Panel

Lh LAUNCH