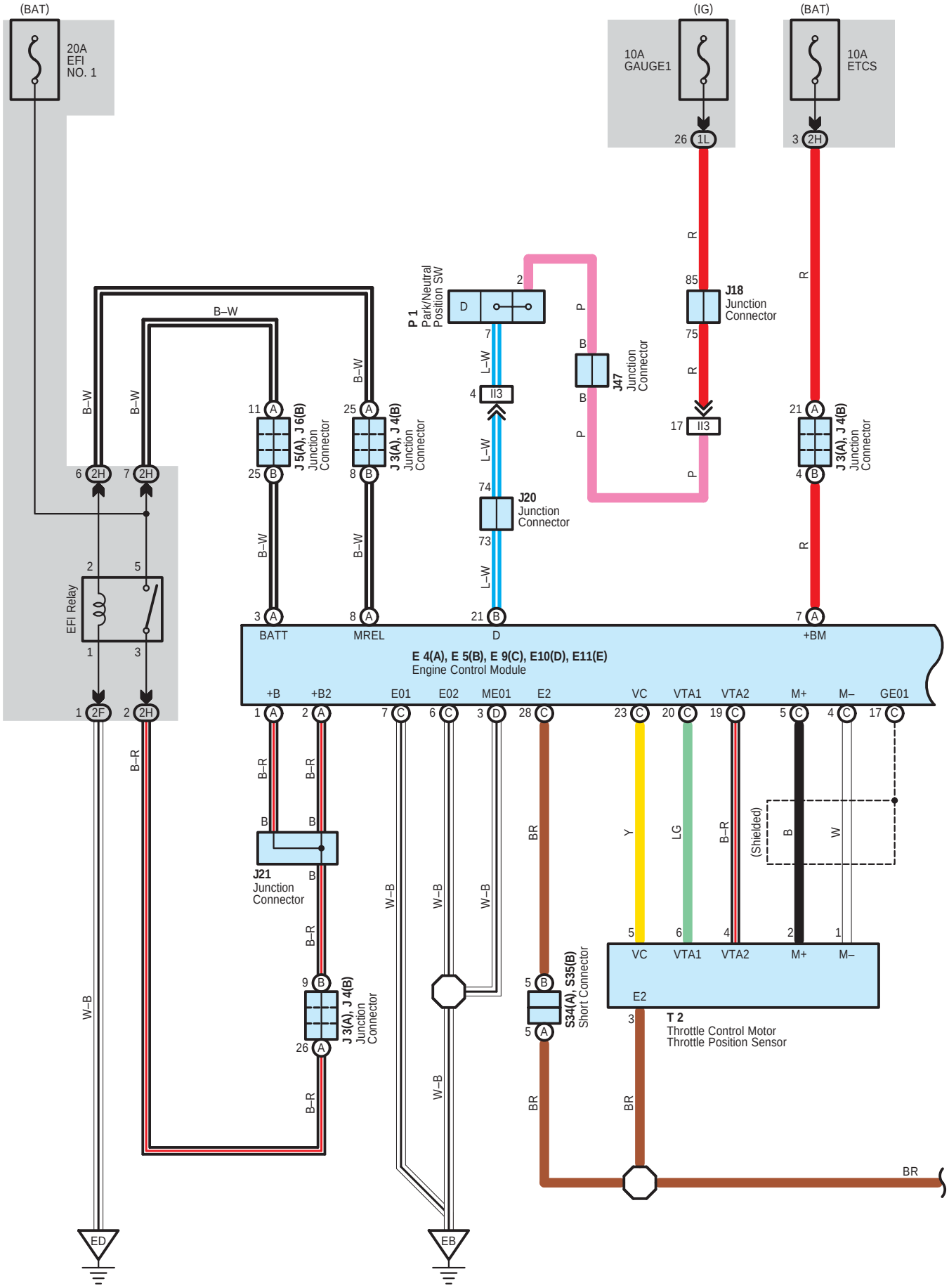
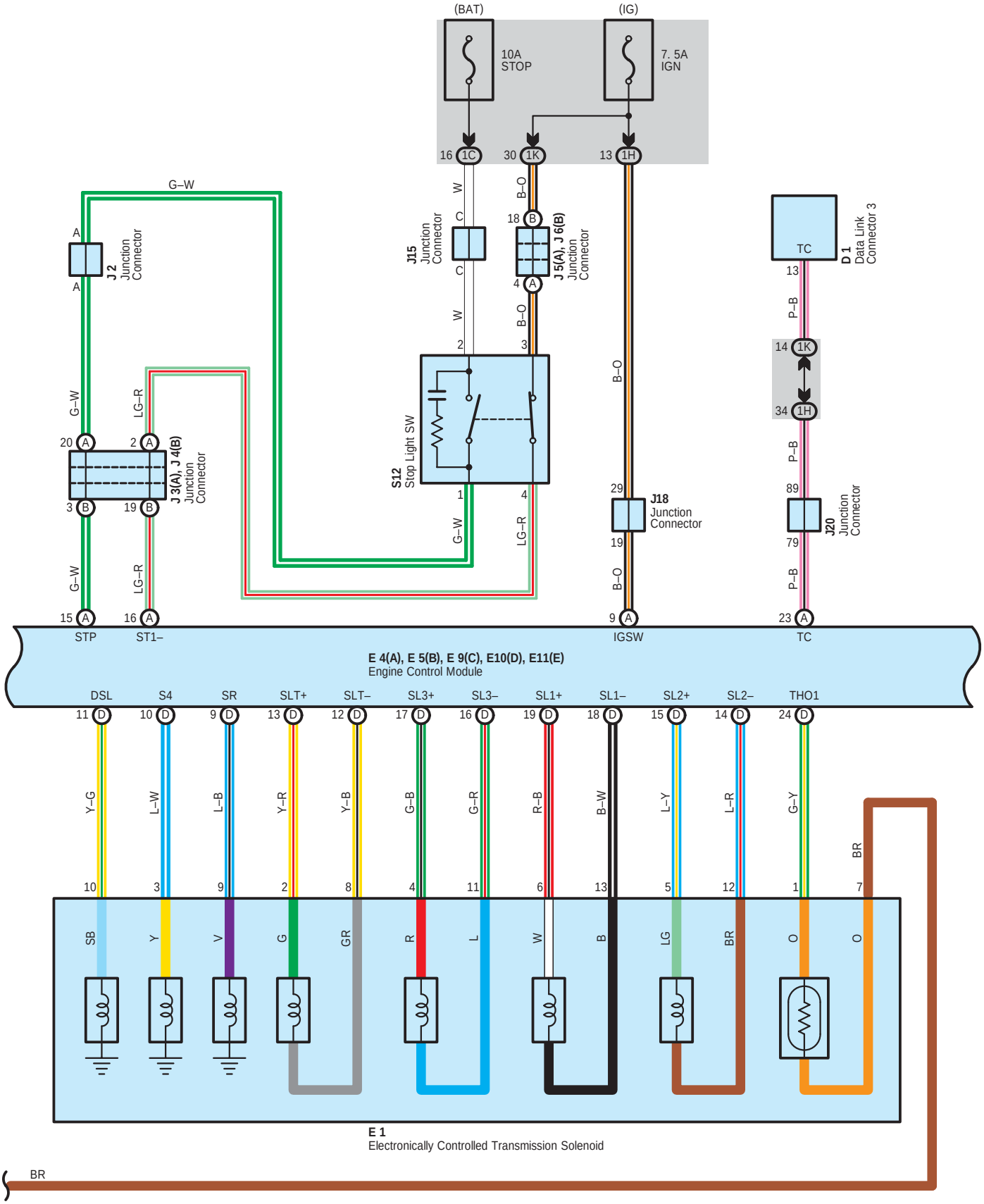
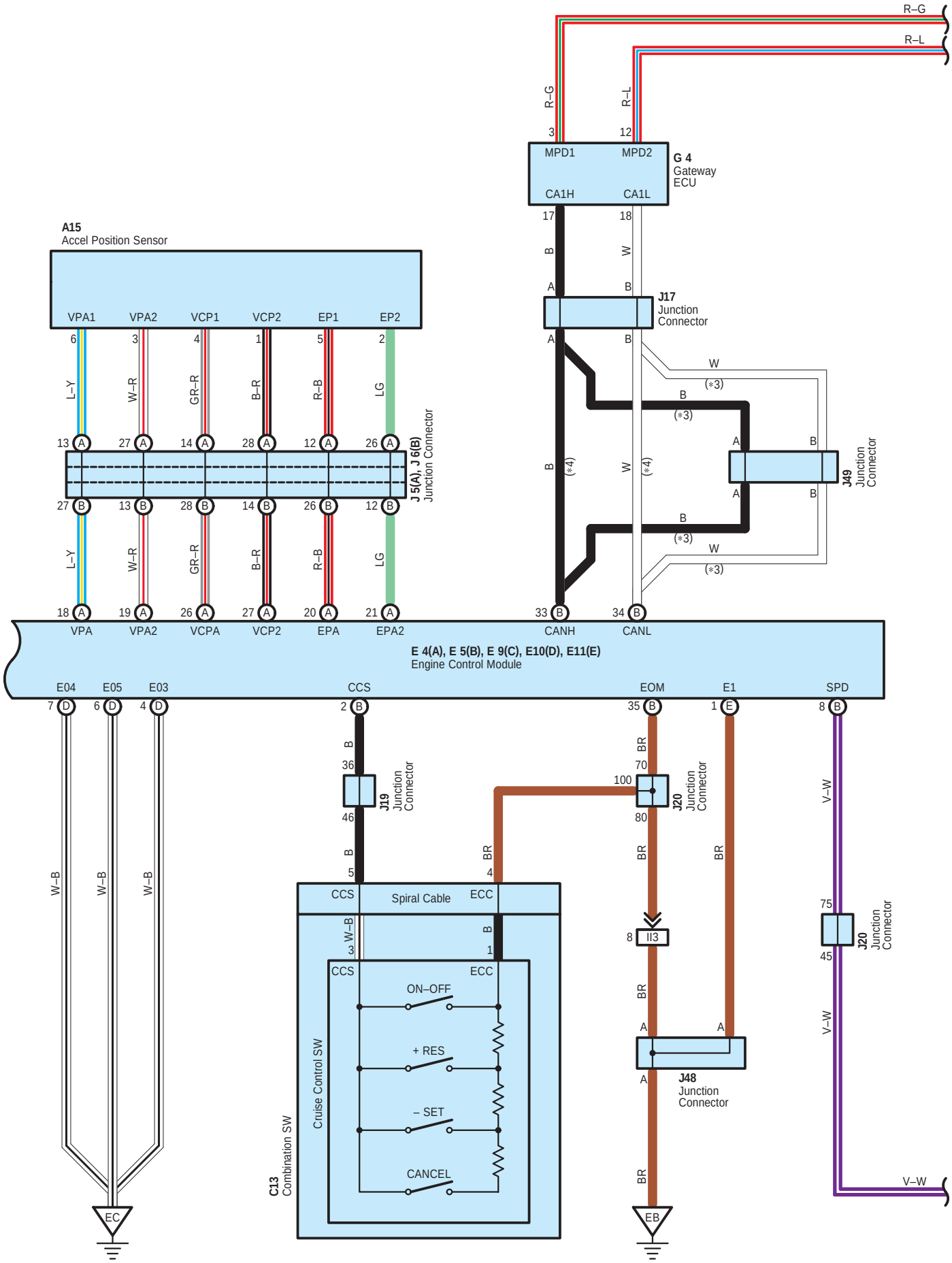
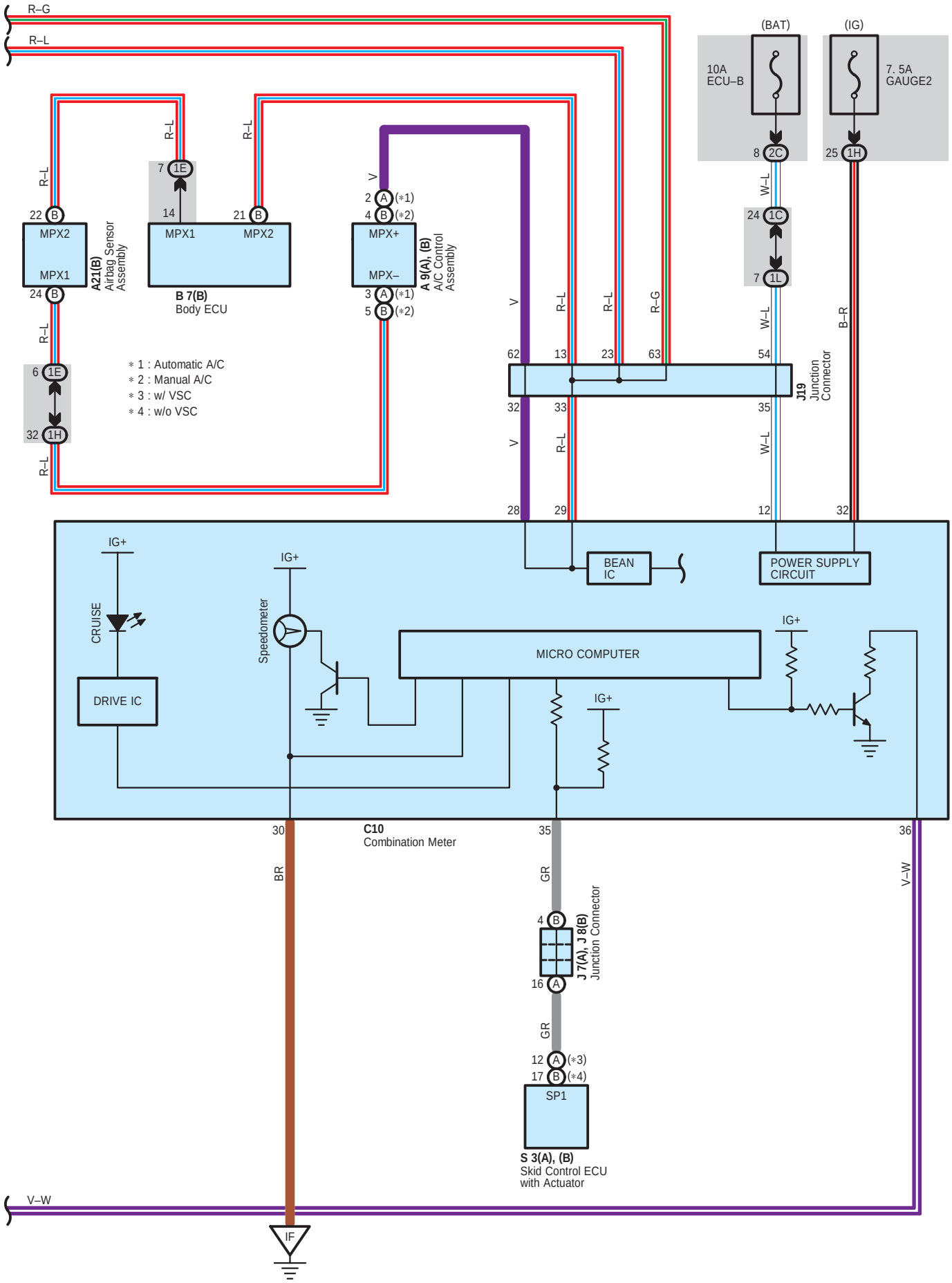

(BAT)
20A
EFI
NO. 1
(IG)
10A
GAUGE1
(BAT)
10A
ETCS
26 1L
3 2H
R
85
J18
Junction
Connector
75
R
17 II3
P
R
P 1
Park/Neutral
Position SW
D
2
7
L–W
4 II3
L–W
74
J20
Junction
Connector
73
L–W
21 B
P
B
J47
Junction
Connector
B
P
B–W
B–W
B–W
B–W
11 A
25 B
J 5(A), J 6(B)
Junction
Connector
25 A
8 B
J 3(A), J 4(B)
Junction
Connector
21 A
4 B
J 3(A), J 4(B)
Junction
Connector
R
R
6 2H
7 2H
2
5
EFI Relay
1
3
1 2F
2 2H
3 A
BATT
8 A
MREL
21 B
D
7 A
+BM
E 4(A), E 5(B), E 9(C), E10(D), E11(E)
Engine Control Module
+B
+B2
E01
E02
ME01
E2
VC
VTA1
VTA2
M+
M–
GE01
1 A
2 A
7 C
6 C
3 D
28 C
23 C
20 C
19 C
5 C
4 C
17 C
B–R
B–R
B–R
B
B
J21
Junction
Connector
B
B–R
9 B
26 A
J 3(A), J 4(B)
Junction
Connector
B–R
W–B
W–B
W–B
W–B
W–B
BR
Y
LG
B–R
(Shielded)
B
W
5
6
4
2
1
VC
VTA1
VTA2
M+
M–
E2
3
T 2
Throttle Control Motor
Throttle Position Sensor
5 B
5 A
S34(A), S35(B)
Short Connector
BR
BR
BR
W–B
BR
ED
EB


(BAT)
(IG)
10A
STOP
7. 5A
IGN
16 1C
30 1K
13 1H
G–W
A
J 2
Junction
Connector
A
W
C
J15
Junction
Connector
C
W
2
B–O
18 B
J 5(A), J 6(B)
Junction
Connector
4 A
B–O
3
TC
D 1
Data Link
Connector 3
13
P–B
14 1K
34 1H
P–B
89
J20
Junction
Connector
79
P–B
23 A
G–W
LG–R
20 A
2 A
J 3(A), J 4(B)
Junction
Connector
3 B
19 B
S12
Stop Light SW
1
4
G–W
LG–R
B–O
29
J18
Junction
Connector
19
B–O
9 A
15 A
16 A
STP
ST1–
IGSW
TC
E 4(A), E 5(B), E 9(C), E10(D), E11(E)
Engine Control Module
DSL
S4
SR
SLT+
SLT–
SL3+
SL3–
SL1+
SL1–
SL2+
SL2–
THO1
11 D
10 D
9 D
13 D
12 D
17 D
16 D
19 D
18 D
15 D
14 D
24 D
Y–G
L–W
L–B
Y–R
Y–B
G–B
G–R
R–B
B–W
L–Y
L–R
G–Y
BR
10
3
9
2
8
4
11
6
13
5
12
1
7
SB
Y
V
G
GR
R
L
W
B
LG
BR
O
O
E 1
Electronically Controlled Transmission Solenoid
BR


R–G
R–L
MPD1
MPD2
G 4
Gateway ECU
CA1H
CA1L
A15
Accel Position Sensor
VPA1
VPA2
VCP1
VCP2
EP1
EP2
J17
Junction Connector
J49
Junction Connector
J 5(A), J 6(B)
Junction Connector
VPA
VPA2
VCPA
VCP2
EPA
EPA2
CANH
CANL
E 4(A), E 5(B), E 9(C), E10(D), E11(E)
Engine Control Module
E04
E05
E03
CCS
EOM
E1
SPD
J19
Junction Connector
J20
Junction Connector
J48
Junction Connector
Spiral Cable
ECC
Cruise Control SW
C13
Combination SW
ON–OFF
+ RES
– SET
CANCEL
EC
EB


R–G
R–L
(BAT)
(IG)
10A
ECU–B
7. 5A
GAUGE2
8 2C
25 1H
W–L
24 1C
7 1L
B–R
22 B
MPX2
MPX1
24 B
A21(B)
Airbag Sensor
Assembly
7 1E
14
MPX1
21 B
MPX2
B 7(B)
Body ECU
V
2 A (*1)
4 B (*2)
MPX+
MPX–
3 A (*1)
5 B (*2)
A 9(A), (B)
A/C Control
Assembly
6 1E
32 1H
* 1 : Automatic A/C
* 2 : Manual A/C
* 3 : w/ VSC
* 4 : w/o VSC
62
13
23
63
R–G
54
32
33
35
J19
Junction
Connector
28
29
12
32
BEAN
IC
POWER SUPPLY
CIRCUIT
IG+
CRUISE
DRIVE IC
Speedometer
MICRO COMPUTER
30
C10
Combination Meter
35
36
BR
GR
V–W
4 B
16 A
J 7(A), J 8(B)
Junction Connector
12 A (*3)
17 B (*4)
SP1
S 3(A), (B)
Skid Control ECU
with Actuator
IF

System Outline

The cruise control system is a constant vehicle speed controller which controls the opening angle of the engine throttle valve by the SW, and allows driving at a constant speed without depressing the accelerator pedal.

Set Operation

When the ON–OFF SW is turned on, the systems starts preparations for cruise control and turns on the indicator light in the combination meter.

Set Speed Control

When the – SET SW is operated with the ON–OFF SW turned on during driving, the speed is controlled at a constant speed.

Coast Control

When the – SET SW is kept turned on during cruise control driving, the engine control module controls the throttle valve to decelerate the vehicle speed.
Every time the – SET SW is turned on instantaneously, the vehicle speed is decelerated approx. 1.6 km/h.

Accel Control

When the + RES SW is kept turned on during cruise control driving, the engine control module controls the throttle valve to accelerate the vehicle speed.
Every time the + RES SW is turned on instantaneously, the vehicle speed is accelerated approx. 1.6 km/h.

Resume Control

If the vehicle speed is within the low speed limit (Approx. 40 km/h, 25 mph) when canceling the cruise control, operation of the + RES SW accelerates the vehicle speed and resumes the level before canceling the cruise control.

Manual Cancel Mechanism

If any of the following signals are input during cruise control driving, the cruise control is canceled.
- The stop light SW is on
- The CANCEL SW is turned on
- The ON–OFF SW is turned off
- Gear is shifted from D or 4 position to other positions than D or 4.

Auto Cancel Function

If any of the following conditions are detected, the cruise control is canceled:
- Failure in the stop light SW wiring
- Abnormality in the vehicle speed signal
- Malfunction in the electronically controlled throttle parts
- When the vehicle speed gets slower than the low speed limit.
- When the vehicle speed falls to 16 km/h less than the set speed.
- During VSC operation.

Shift–Down Control

When the vehicle climbs a hill while running under cruise control, the gear may be shifted down by the A/T control. When the hill climb is judged to have finished, based on the throttle opening information, the gear is shifted up after a set time.

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A9	A	38	E11	E	39	J20		40
	B	38	G4		39	J21		40
A15		38	J2		37	J47		40
A21	B	38	J3	A	40	J48		40
B7	B	38	J4	B	40	J49		40
C10		39	J5	A	40	P1		37
C13		39	J6	B	40	S3	A	37
D1		39	J7	A	40		B	37
E1		36	J8	B	40	S12		41
E4	A	39	J15		40	S34	A	41
E5	B	39	J17		40	S35	B	41
E9	C	39	J18		40	T2		37
E10	D	39	J19		40			

: **Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
1C	31	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
1E	31	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
1H	30	
1K	31	
1L		
2C	24	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F		
2H		

: **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
II3	53	Engine Wire and Instrument Panel Wire (Right Kick Panel)

: **Ground Points**

Code	See Page	Ground Points Location
EB	50	Rear Bank of Right Cylinder Head
EC	50	Rear Bank of Left Cylinder Head
ED	50	Front Side of the Left Fender Apron
IF	52	Instrument Panel Brace LH