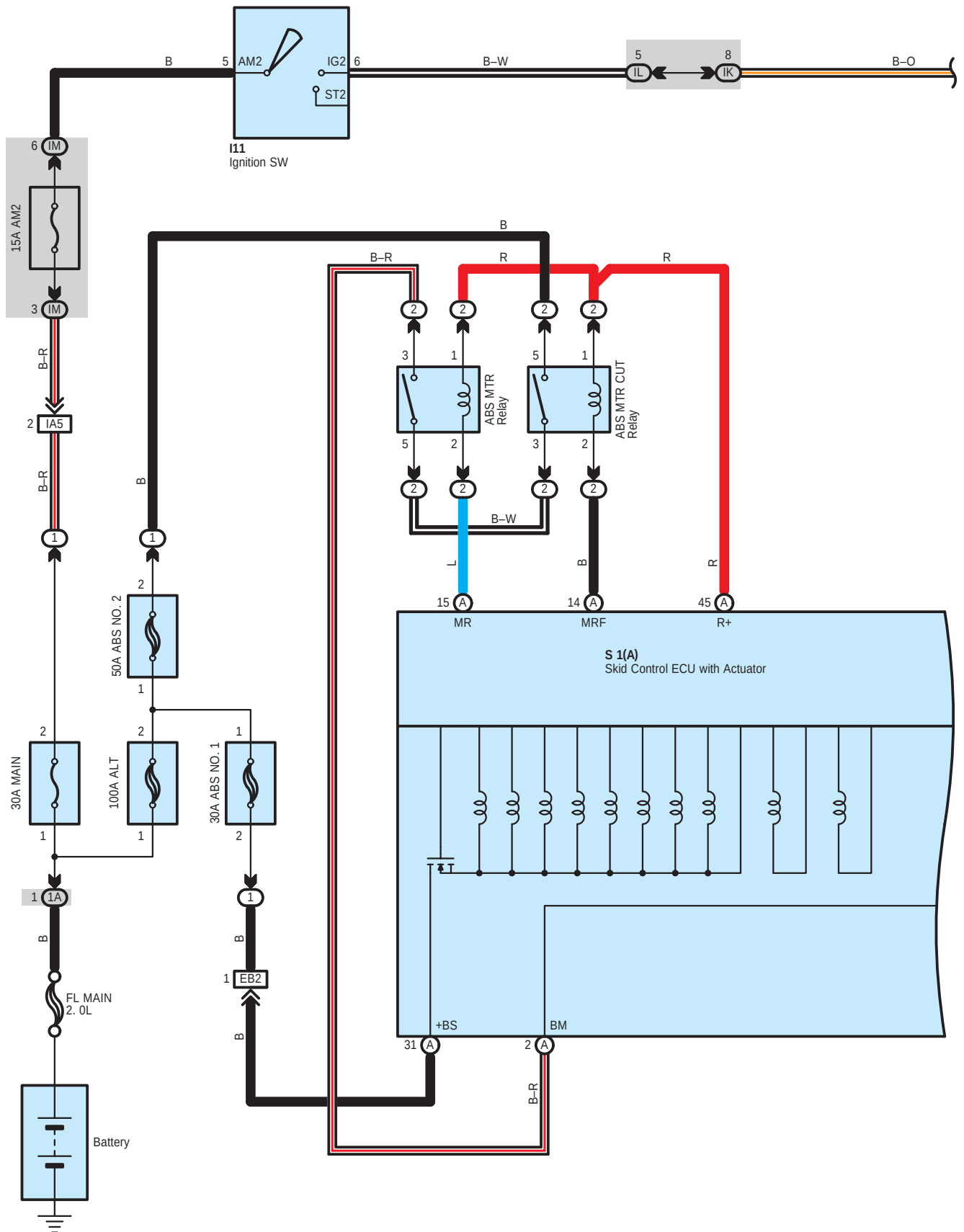
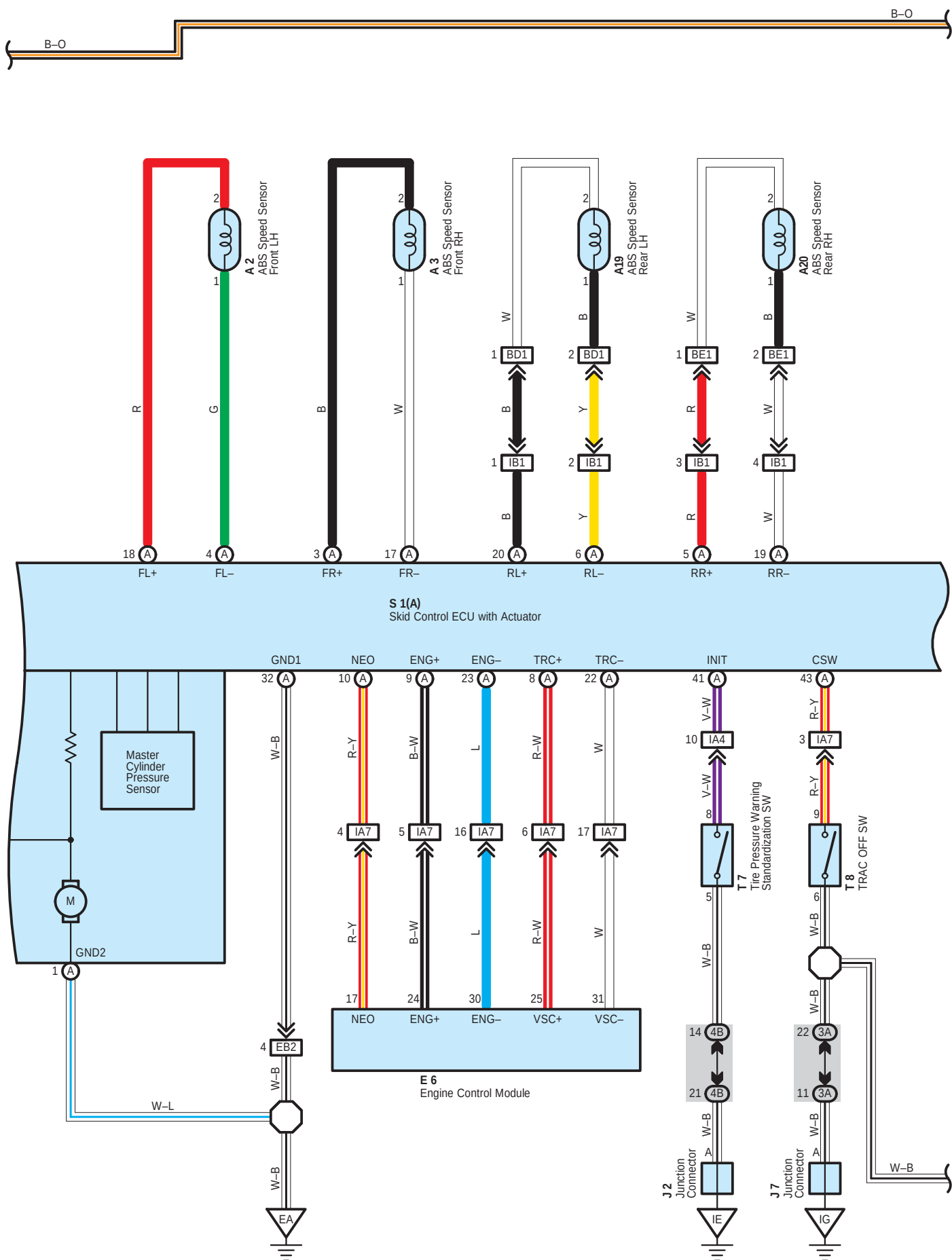
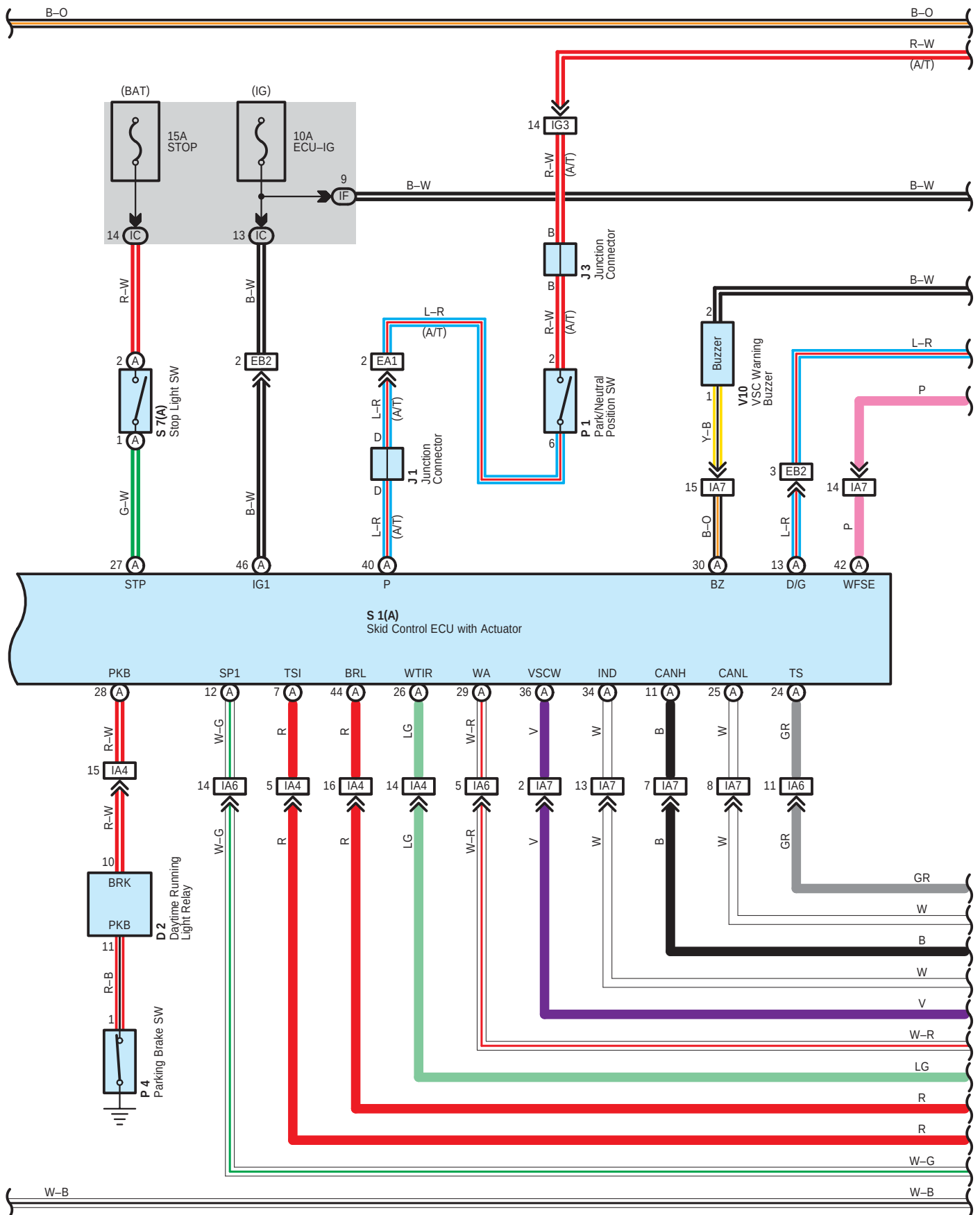


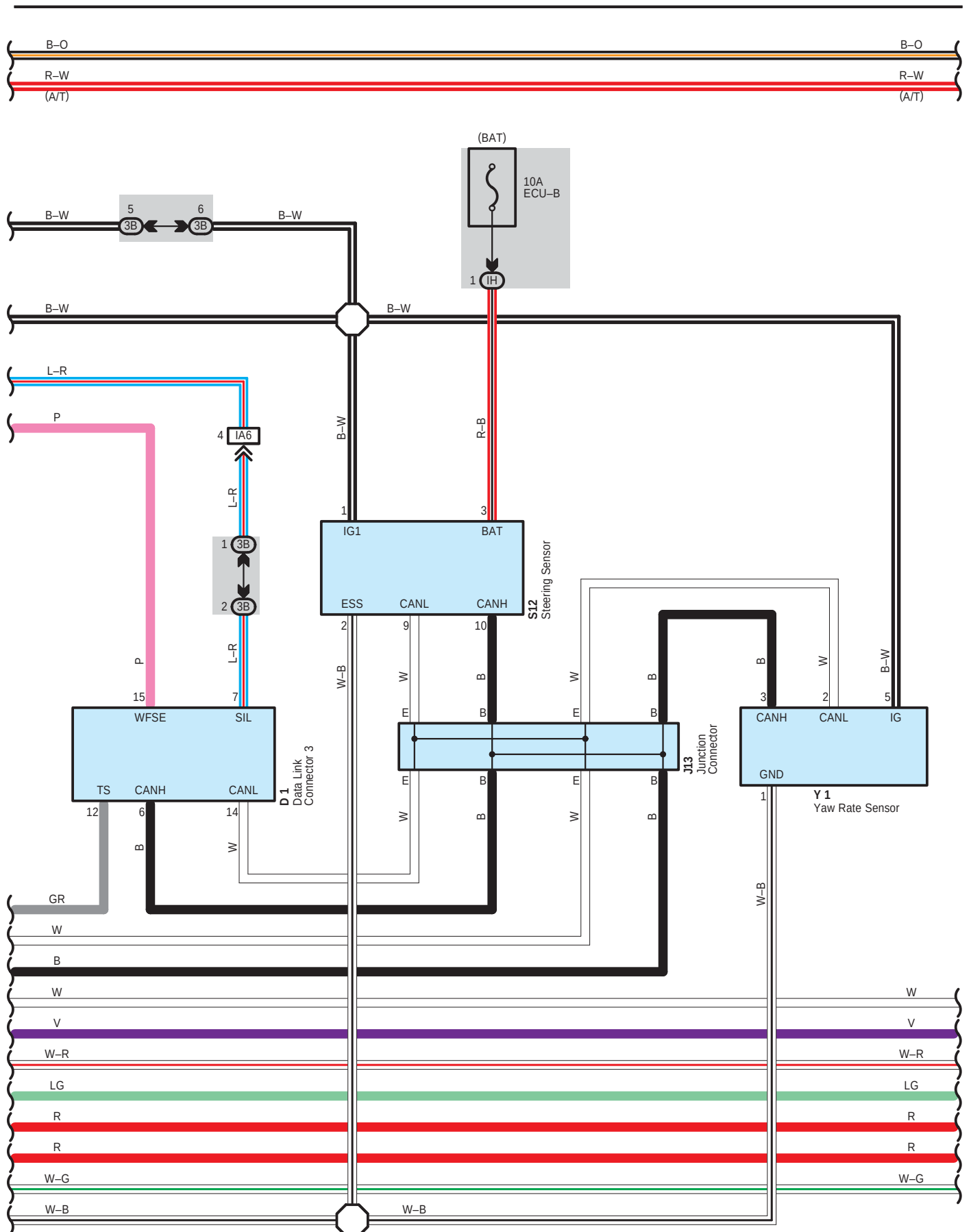
ABS, TRAC, VSC and Tire Pressure Warning System





ABS, TRAC, VSC and Tire Pressure Warning System







System Outline

The vehicle could be in an extreme over steering or under steering tendency due to unexpected accidents, road conditions, vehicle speed, or by other external factors. In such a case, this system automatically controls the engine output and the braking to each wheel, to decrease the extreme over steering and under steering.

* To decrease extreme over steering tendency

When the system determines that the over steering tendency is large, the system applies brakes to the outer wheels according to the degree of over steering, and creates a moment towards the outer side of the vehicle, to decrease the tendency of over steering. Also, when the brakes are applied, the vehicle speed decreases while the stability increases.

* To decrease extreme under steering tendency

When the system determines that the under steering tendency is large, the system applies brakes to the front or rear wheels according to the degree of under steering, to decrease the tendency of under steering.

* TRAC OFF SW

TRAC OFF SW is only for two-wheel drive models. Four-wheel drive models is needless this SW.

The SW to send the traction control system into OFF mode. When the SW is pushed after starting the engine, the system will be in OFF mode, and the TRAC OFF indicator light will turn on. When the SW is pushed again, the system will be in standby mode. When the engine is stopped and re-started, regardless of the TRAC OFF SW, the system will be in standby mode.

Information to the driver

The VSC system informs the driver when the tire grip is about to exceed its grip capacity, by blinking the slip indicator light and emitting an intermittent sound of the buzzer. Accordingly, the driver is informed to drive more gently.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A2	36 (1ZZ-FE)	E6	38	P4	39
A3	36 (1ZZ-FE)	I11	39	S1	A 37 (1ZZ-FE)
A19	40	J1	37 (1ZZ-FE)	S7	A 39
A20	40	J2	39	S12	39
B2	36 (1ZZ-FE)	J3	39	T7	39
C11	A 38	J5	39	T8	39
C18	B 38	J7	39	V10	39
D1	38	J13	39	Y1	39
D2	38	P1	37 (1ZZ-FE)		

○ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)
2	31	ABS R/B (Near the Front Left Suspension Tower)

○ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	25	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IF	25	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IG		
IH		
IK		
IL	24	
IM		
1A	23	Engine Wire and Engine Room J/B (Engine Compartment Left)
3A	29	Instrument Panel Wire and RH J/B (Right Side of the Instrument Panel Reinforcement)
3B		
4B	32	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
4C		

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 : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	43 (1ZZ-FE)	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B)
EB2	43 (1ZZ-FE)	Engine Room Main Wire and Engine Room Main Wire (Front Right Suspension Tower)
IA4	44	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IA5		
IA6		
IA7		
IB1	44	Engine Room Main Wire and Floor Wire (Cowl Side Panel LH)
IG3	45	Engine Wire and Instrument Panel Wire (Blower Unit RH)
BD1	46	Skid Control Sensor Wire LH and Floor Wire (Quarter Wheel House LH)
BE1	46	Skid Control Sensor Wire RH and Floor Wire (Quarter Wheel House RH)

 : Ground Points

Code	See Page	Ground Points Location
EA	43 (1ZZ-FE)	Front Right Fender
EB	43 (1ZZ-FE)	Front Left Suspension Tower
EC	43 (1ZZ-FE)	Left Side of the Cylinder Head
IE	44	Behind Combination Meter
IG	44	Right Kick Panel

