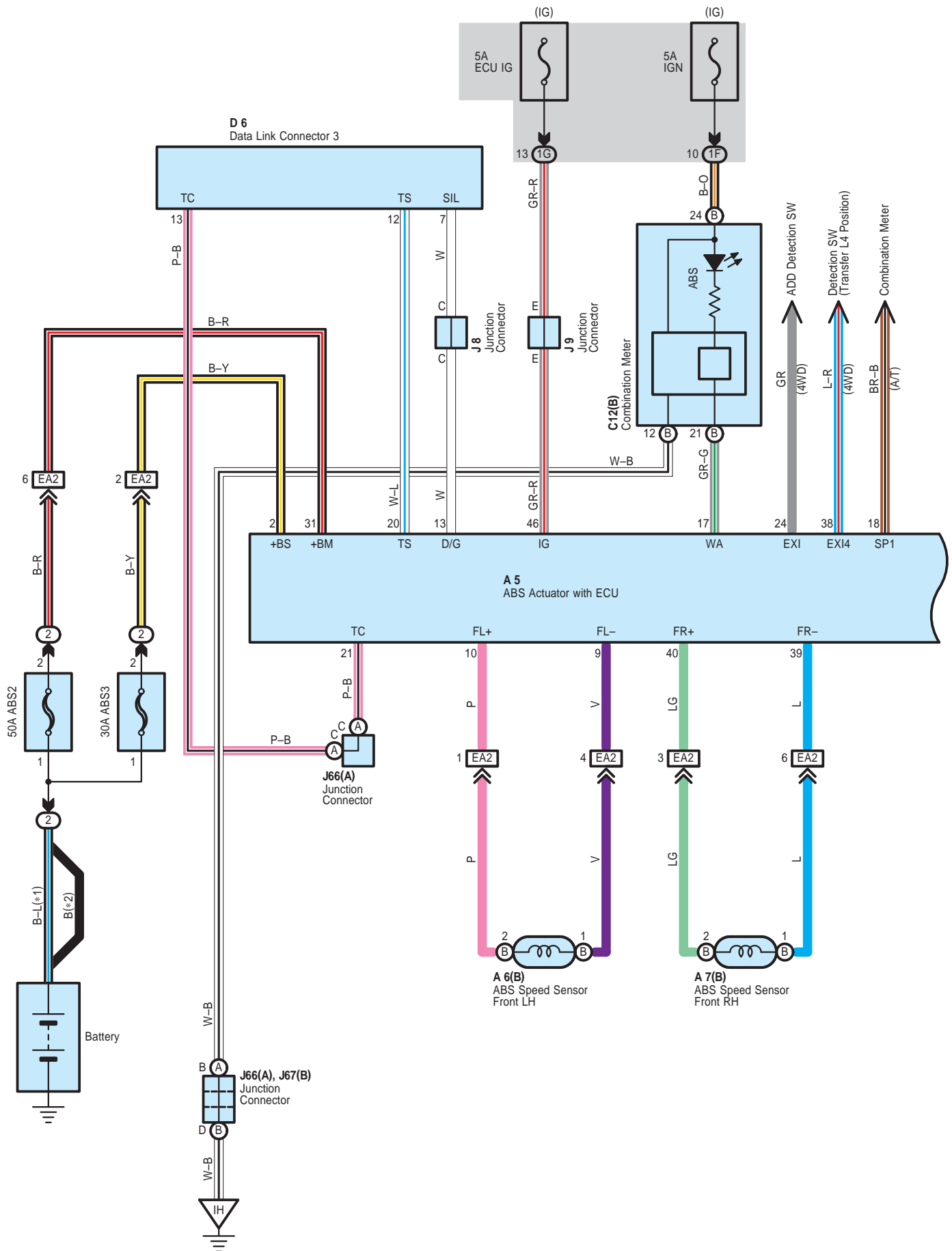


# ABS without VSC (Access/Standard Cab)





# ABS without VSC (Access/Standard Cab)

## System Outline

This system controls the respective brake fluid pressures acting on the disc brake cylinders of the right front wheel, left front wheel, and rear wheels when the brakes are applied in a panic stop so that the wheels do not lock. This results in improved directional stability and steerability during panic braking.

### 1. Input Signal

#### (1) Speed sensor signal

The speed of the wheels is detected and input to TERMINALS FL+, FR+, RL+ and RR+ of the ABS actuator with ECU.

#### (2) Stop light SW signal

A signal is input to TERMINAL STP of the ABS actuator with ECU when the brake pedal is depressed.

### 2. System Operation

During sudden braking, the ABS actuator with ECU which has signals input from each sensor lets the hydraulic pressure acting on each wheel cylinder escape to the reservoir.

The pump inside the ABS actuator with ECU is also operating at this time and it returns the brake fluid from the reservoir to the master cylinder, thus preventing locking of vehicle wheels.

If the ABS actuator with ECU judges that the hydraulic pressure acting on the wheel cylinder is insufficient, the current acting on the solenoid is controlled and the hydraulic pressure is increased.

Holding of the hydraulic pressure is also controlled by the ECU, by the same method as above, by repeated pressure reduction. Holding and increase are repeated to maintain vehicle stability and to improve steerability during sudden braking.

## ○ : Parts Location

Code		See Page		Code		See Page		Code		See Page	
A5		56 (2UZ–FE)		A29	A	64 (*3)		J13		62	
		58 (1GR–FE)				65 (*4)		J28	A	62	
A6	B	56 (2UZ–FE)		C12	B	60		J29	B	62	
		58 (1GR–FE)		D6		61		J66	A	62	
A7	B	56 (2UZ–FE)		D8		61		J67	B	62	
		58 (1GR–FE)		J8		62		P1		57 (2UZ–FE)	
A19		64 (*3)		J9		62				59 (1GR–FE)	
		65 (*4)		J10		62		S4	A	63	

## ○ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	24	Engine Room R/B (Engine Compartment Left)

## ○ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	26 (*1)	Cowl Wire and Driver Side J/B (Lower Finish Panel)
	30 (*2)	
1G	26 (*1)	
	30 (*2)	

## □ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA2	80 (2UZ-FE)	Cowl Wire and Engine Room Main Wire (Right Fender)
	81 (1GR-FE)	
IE1	83	Engine Wire and Cowl Wire (Right Side of Instrument Panel)
BB3	84 (*3)	Frame Wire and Cowl Wire (Under the Driver's Seat)
	85 (*4)	

## ▽ : Ground Points

Code	See Page	Ground Points Location
IH	82	Right Kick Panel
II		

\* 1 : w/o Daytime Running Light

\* 2 : w/ Daytime Running Light

\* 3 : Access Cab

\* 4 : Standard Cab

\* 5 : Access Cab Captain Seat

\* 6 : Access Cab Separate Seat

\* 7 : Standard Cab Bench Seat

