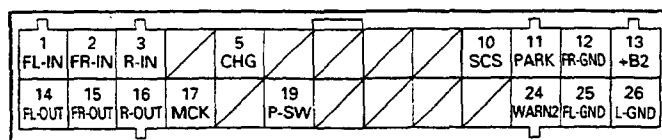


# ABS Control Unit Terminal Arrangement

26P CONNECTOR



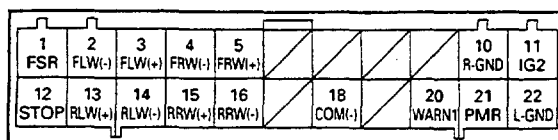
26P CONNECTOR

TERMINAL SIDE OF MALE TERMINALS

NOTE: Standard voltage is 12 V.

Terminal number	Wire color	Terminal name	Description	Signal				
1	RED/BLU	FL-IN (Front-left inlet solenoid valve)	Drives left-front inlet solenoid valve.	Engine	ON	Solenoid	ON	0 V
2	RED/BLK	FR-IN (Front-right inlet solenoid valve)	Drives right-front inlet solenoid valve.				OFF	12 V
3	RED/WHT	R-IN (Rear inlet solenoid valve)	Drives rear inlet solenoid valve.		OFF (Ignition Switch ON)	0 V		
5	WHT/BLU	CHG (Charge)	Detects engine operation. (Activates ABS control unit with engine ON.)	Engine running: 12 V Engine stopped: 0 V				
10	BRN	SCS (Service check signal)	Detects service check connector signal (diagnostic trouble code indication).	Connected: 0 V Disconnected: 5 V				
11	GRN/RED	PARK (Parking brake)	Detects parking brake switch signal. (ABS indicator light is turned on when driving with signal ON.)	ON: 0 V OFF: 12 V				
12	BLK	FR-GND (Front-right solenoid valve ground)	Ground for the right-front inlet and outlet solenoid valves.					
13	WHT	+B2 (+B2 power source)	• Power source for ABS control unit control circuit. • Power source for diagnostic trouble code memory.	12 V at all times				
14	YEL/BLU	FL-OUT (Front-left outlet solenoid)	Drives left-front outlet solenoid valve.	Engine	ON	Solenoid	ON	0 V
15	YEL/BLK	FR-OUT (Front-right outlet solenoid valve)	Drives right-front outlet solenoid valve.				OFF	12 V
16	YEL/WHT	R-OUT (Rear outlet solenoid valve)	Drives rear outlet solenoid valve.		OFF (Ignition Switch ON)	0 V		
17	BRN/YEL	MCK (Motor check)	Detects pump motor drive signal. (ABS indicator light is turned on if there is open or short circuit.)	Motor		ON: 12 V OFF: 0 V (Open): 12 V		
19	YEL	P-SW (Pressure switch)	Detects pressure switch signal. (Switch turns ON at approx. 22,000 kPa, 220 kgf/cm², 3,100 psi and pump motor is stopped.)	ON: 0 V OFF: 12 V				
24	BLU/RED	WARN 2 (Warning lamp)	Drives ABS indicator light. (Shuts off the indicator light ground circuit inside the ABS control unit to turn off the light when the system is normal.)	Light ON: 0 V Light OFF: 12 V				
25	BLK	FL-GND (Front-left solenoid valve ground)	Ground for the left-front inlet and outlet solenoid valves.					
26	BLK	L-GND (Logic ground)	Ground for the ABS control unit control circuits.					

### 22P CONNECTOR



### 22P CONNECTOR

### TERMINAL SIDE OF MALE TERMINALS

NOTE: Standard voltage is 12 V.

Terminal number	Wire color	Terminal name	Description	Signal	
1	YEL/GRN	FSR (Fail-safe relay)	Drives fail-safe relay. (Fail-safe relay is turned OFF to shut off the power source to the solenoid when problem occurs.)	ON: 12 V OFF: 0 V	
2	BRN/BLK	FLW (–) (Front-left wheel sensor, negative)	Detects left-front wheel speed. (Ground level)	No. 2 – 3 terminals	When the wheel is turned at 1 turn/second: 70 mV or above on digital tester (AC range)
3	GRN/BLU	FLW (+) (Front-left wheel sensor, positive)	Detects left-front wheel speed.		
4	GRN	FRW (–) (Front-right wheel sensor, negative)	Detects right-front wheel speed. (Ground level)	No. 4 – 5 terminals	(Reference) 200 mVP-P or above on oscilloscope
5	GRN/BLK	FRW (+) (Front-right wheel sensor, positive)	Detects right-front wheel speed.		
10	BLK	R-GND (Rear solenoid valve ground)	Ground for rear inlet and outlet solenoid valves.		
11	BLK/YEL	IG2 (IG2 power source)	Detects ignition switch IG2 signal. (When IG2 is input, +B2 power source is switched to the power source for the ABS control unit (Vcc). Also IG2 monitors P-SW and MCK lines, and drives fail-safe relay.)	ON: 12 V OFF: 0 V	
12	GRN/WHT	STOP (Foot brake)	Detects brake switch signal. (Prevents unnecessary ABS operation when the brake pedal is not depressed)	ON: 12 V OFF: 0 V	
13	LT BLU	RLW (+) (Rear-left wheel sensor, positive)	Detects left-rear wheel speed.	No. 13 – 14 terminals	When the wheel is turned at 1 turn/second: 70 mV or above on digital tester (AC range)
14	GRY	RLW (–) (Rear-left wheel sensor, negative)	Detects left-rear wheel speed. (Ground level)		
15	GRN/YEL	RRW (+) (Rear-right wheel sensor, positive)	Detects right-rear wheel speed.	No. 15 – 16 terminals	(Reference) 200 mVP-P or above on oscilloscope
16	BLU/YEL	RRW (–) (Rear-right wheel sensor, negative)	Detects right-rear wheel speed. (Ground level)		
18	BLU/WHT	COM (–) (Common negative)	Ground for ALB checker when it is connected.		
20	BLU/RED	WARN 1 (Warning lamp)	Drives ABS indicator light. (Shuts off the indicator light ground circuit inside the ABS control unit to turn off the light when the system is normal.)	Light ON: 0 V Light OFF: 12 V	
21	YEL/RED	PMR (Pump motor relay)	Drives pump motor relay. (Pump motor relay is turned ON to drive the pump motor when P-SW OFF signal is detected.)	ON: 0 V OFF: 12 V	
22	BLK	L-GND (Logic ground)	Ground for the ABS control unit control circuits.		