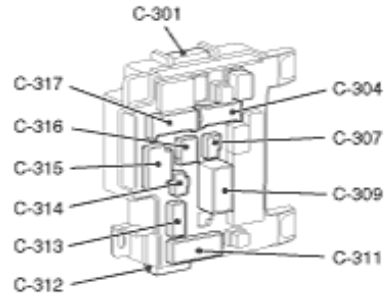


CHECK WITH TERMINAL VOLTAGE



AC507027AE

CONNECTOR: C-301



AC507030AB

Terminal No.	Check item	Check condition	Normal condition
1, 2	-	-	-
3	Photo sensor power supply	Ignition switch: ON	5 V
4-9	-	-	-
10	Input to front passenger's door lock actuator (unlock)	Front passenger's door lock: Unlocked	0 V
11	Input to driver's door lock actuator (lock)	Driver's door lock: Locked	0 V
12	Defogger output	Defogger switch: ON	0 V
13-17	-	-	-
18	Earth (photo sensor)	Always	0 V
19	Hazard switch input	Hazard switch: ON	0 V
20	Photo sensor input	Ignition switch: ON, Sensor illumination: Dark to Bright	0 to approximately 4 V

21	Windshield wiper backup input	Windshield low-speed wiper switch or windshield high-speed wiper switch: ON	0 V
22	Input to driver's door lock actuator (unlock)	Driver's door lock: Unlocked	0 V
23	-	-	-
24	Input to remote controlled mirror switch (folding/unfolding switch)	Remote controlled mirror switch (folding/unfolding switch): ON	0 V

CONNECTOR: C-304



AC507031AB

Terminal No.	Check item	Check condition	Normal condition
1	Stop lamp switch power supply	Stop lamp switch: ON	System voltage
2	Inhibitor switch (R) input	Selector lever: R Ignition switch: ON	System voltage
3	Position lamp (LH) output	With position lamp ON	System voltage
4	Front wiper motor (HI) power supply	When windshield wipers are operating at high speed	System voltage
5	Windshield wiper (HI) output	When windshield wipers are operating at high speed	System voltage
6	Windshield wiper (LO) output	When windshield wipers are operating at low speed	System voltage
7	Position lamp (RH) output	With position lamp ON	System voltage
8	Windshield wiper auto stop switch input	When windshield wipers are operating	System voltage
9	Front and side turn-signal lamp (LH) output	With front and side turn-signal lamp (LH) illuminated	System voltage
10	Engine ECU (IG1) output	Ignition switch: ON	System voltage
11	Engine ECU (fuel control) input	Engine: Started	0 V
12	Windshield wiper (ACC) output	Ignition switch: ACC	System voltage
13	Output to windshield washer	When windshield washer is operating	System voltage
14	Rear washer output	When rear washer is operating	System voltage
15	Ignition switch (START) switch output	Ignition switch: START	System voltage
16	Front and side turn-signal lamp (RH) output	With front and side turn-signal lamp (RH) illuminated	System voltage

CONNECTOR: C-307



AC507032AB

Terminal No.	Check item	Check condition	Normal condition
1	Fuel pump power supply input	Ignition switch: ON	System voltage
2	+B power supply input	Always	System voltage

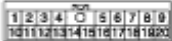
CONNECTOR: C-309



AC507033AB

Terminal No.	Check item	Check condition	Normal condition
1	Battery 1	Always	System voltage
2	Battery 2	Always	System voltage

CONNECTOR: C-311

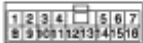


AC507035AB

Terminal No.	Check item	Check condition	Normal condition
1	Tailgate lock release handle output	Tailgate lock release handle: ON	System voltage
2	Back-up lamp switch power supply	When back-up lamp is ON	System voltage
3	Gate lamp output	When gate lamp is ON	0 V
4	Rear wiper motor output	When rear wiper is operating	System voltage

5	Output to rear wiper	When rear wiper is operating	System voltage
6	Rear door unlock output	When rear door is unlocked	System voltage
7	-	-	-
8	Rear wiper auto stop switch input	When rear wiper is operating	System voltage
9	Rear door lock output	When rear door is locked	System voltage
10	Taillamp (LH) and licence plate lamp output	With tail lamp and licence plate lamp illuminated	System voltage
11	-	-	-
12	Rear power window sub switch power supply	Ignition switch: ON	System voltage
13	Taillamp (RH) output	When tail lamps are ON	System voltage
14, 15	-	-	-
16	Accessory socket 1 output	Ignition switch: ACC	System voltage
17	Luggage room lamp output	When luggage room lamp is ON	2 V or less
18	Rear turn-signal lamp (LH) output	When rear turn-signal lamp (LH) is ON	System voltage
19	Rear turn-signal lamp (RH) output	When rear turn-signal lamp (RH) is ON	System voltage
20	-	-	-

CONNECTOR: C-312



AC507094AB

Terminal No.	Check item	Check condition	Normal condition
1	Brake fluid switch input	Brake fluid switch: ON	0 V
2	Cooling fan (LO) output	When cooling fan LO is operating	0 V
3	-	-	-
4	Output to fog lamps	Fog lamp switch: ON	0 V
5	-	-	-
6	Headlamp (LO) output	When headlamp (LO) is ON	0 V
7	Ambient temperature sensor input	Always	0.2 - 2.72 V
8	Cooling fan (HI) output	When cooling fan HI is operating	0 V

9	Cooling fan control output	When cooling fan HI is operating	0 V
10	-	-	-
11	Output to horn	When horn sounds	0 V
12	-	-	-
13	Headlamp (HI) output	When headlamp (HI) is ON	0 V
14	Earth (ambient temperature sensor)	Always	0 V
15	-	-	-
16	Brake switch input	When stop lamp switch is ON	12 V

CONNECTOR: C-313



AC507036AB

Terminal No.	Check item	Check condition	Normal condition
1	-	-	-
2	SRS-ECU, 4WD-ECU, AC inverter power supply	Ignition switch: ON	System voltage
3	-	-	-
4	Inhibitor switch output	Ignition switch: ON	12 V
5	Tailgate latch switch input	Tailgate latch switch: ON (tailgate open)	0 V
6	-	-	-
7	Rear door switch (LH) input	Rear door switch (LH): ON (door open)	0 V
8	Rear door switch (RH) input	Rear door switch (RH): ON (door open)	0 V
9-11	-	-	-
12	Front door switch (LH) input	Front door switch (LH): ON (door open)	0 V
13	Rear door unlock switch input	Rear door lock: Unlocked	0 V
14	Input from tailgate lock release handle	Tailgate lock release handle: ON	0 V
15	ASC off switch input	ASC off switch: ON	0 V
16	Front door switch (RH) input	Front door switch (RH): ON (door open)	0 V

CONNECTOR: C-314



AC507037AB

Terminal No.	Check item	Check condition	Normal condition
1	Fuel pump output	Engine: Started	System voltage
2	-	-	-

CONNECTOR: C-315



AC507029AB

Terminal No.	Check item	Check condition	Normal condition
1, 2	-	-	-
3	Cigarette lighter output	Ignition switch: ACC	System voltage
4	4WD-ECU power supply	Always	System voltage
5	Centre door lock (unlock) output	When the door lock actuators unlock the doors	System voltage
6	Output to central door locking (for locking the doors)	When the door lock actuators lock the doors	System voltage
7	Ignition switch (START) input	Ignition switch: START	System voltage
8	Power window main switch power supply	Ignition switch: ON	System voltage
9	Ignition switch (ACC) output	Ignition switch: ACC	System voltage
10	-	-	-
11	Accessory socket 2 output	Ignition switch: ACC	System voltage
12	-	-	-
13	Input to key reminder switch	Key reminder switch: ON (ignition key removed)	0 V
14	Door lock output	When the door lock actuators lock the doors	System voltage
15	-	-	-

16	Blower motor output	Blower motor in operation	System voltage
17	Earth (signal)	Always	0 V
18	Output to ignition key cylinder illumination lamp	When ignition key cylinder illumination is ON	12 V
19	Horn switch input	Horn switch: ON	0 V

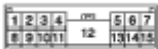
CONNECTOR: C-316



AC507038AB

Terminal No.	Check item	Check condition	Normal condition
1	-	-	-
2	Sunroof ECU power supply	Always	System voltage
3, 4	-	-	-
5	Room lamp output (low side)	When room lamp is ON (duty)	0 V
6	Room lamp output (high side)	When the room lamp is ON	System voltage

CONNECTOR: C-317



AC507028AB

Terminal No.	Check item	Check condition	Normal condition
1	Audio unit power supply	Ignition switch: ACC	System voltage
2	Combination meter power supply	Ignition switch: ON	System voltage
3	Ignition switch power supply	Always	System voltage
4	-	-	-
5	Fuel gauge feed power supply	Ignition switch: ON	System voltage
6	Ignition switch (IG1) input	Ignition switch: ON	System voltage

7	Ignition switch (ACC) input	Ignition switch: ACC	System voltage
8, 9	-	-	-
10	Combination meter, A/C-ECU, WCM, KOS-ECU power supply	Always	System voltage
11, 12	-	-	-
13	Electric folding door mirror (unfolding) output	When the electric folding door mirrors are unfolding	System voltage
14	Electric folding door mirror (folding) output	When the door mirrors are folding	System voltage
15	Earth	Always	0 V