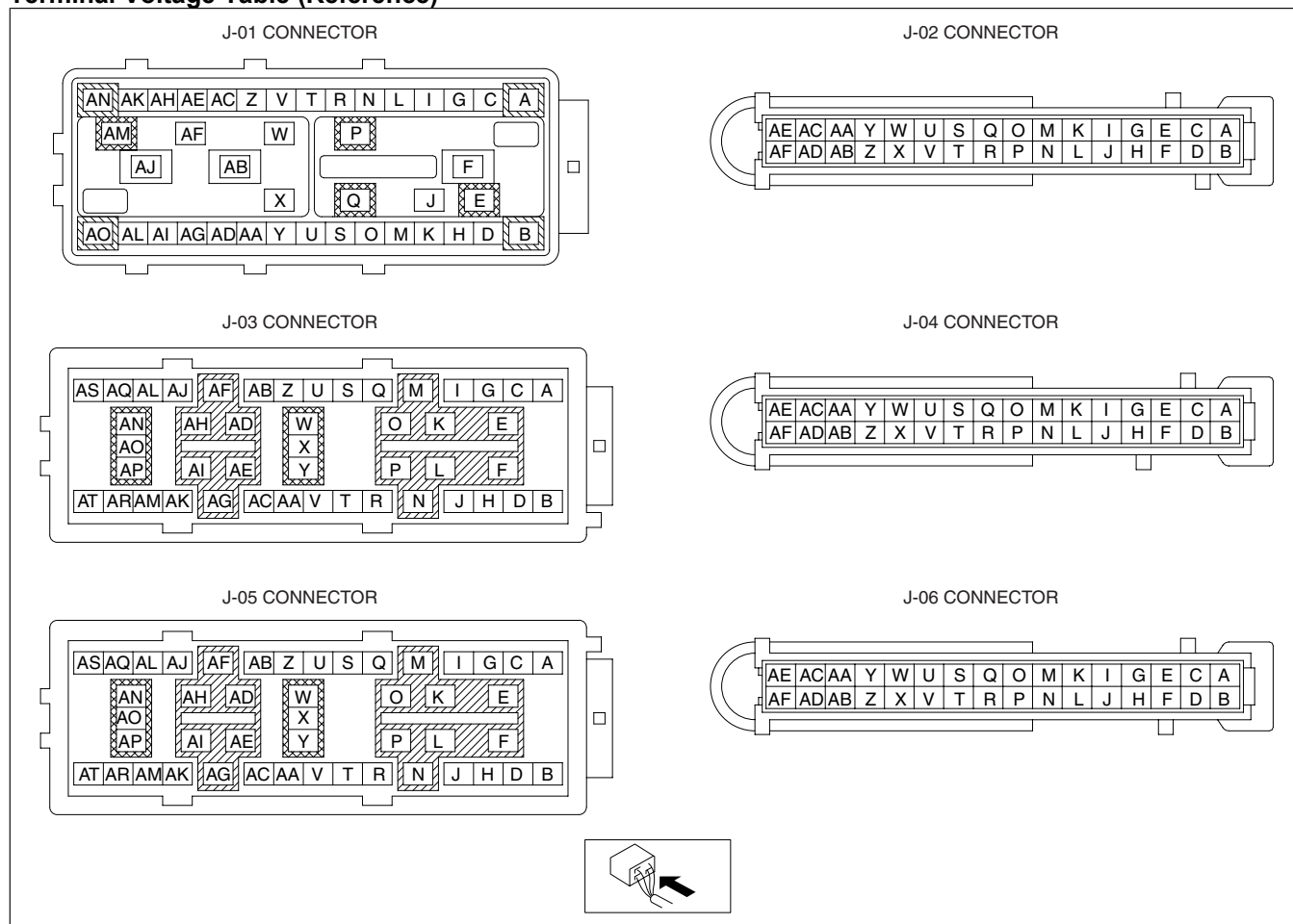


PASSENGER JUNCTION BOX (PJB) INSPECTION

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1. Remove the glove compartment.
2. Remove the PJB with the connector connected.
3. Measure the voltage at each terminal and inspect for the continuity between the terminals and ground is as indicated in the Terminal Voltage Tables (Reference).
 - If the voltage or continuity is not as specified in the Terminal Voltage Table (Reference), inspect the parts under "Inspection item (s)".
 - If the system does not work properly even though the parts or related wiring harnesses do not have any malfunction, replace the PJB.

Terminal Voltage Table (Reference)



am3zzw00002260

| Terminal | Signal | Connected to | Measurement condition | Voltage (V)/Continuity | Inspection item (s) |
|----------|--|---|------------------------------------|------------------------|-------------------------------|
| J-01 A | — | — | — | — | — |
| J-01 B | Power supply | Main fuse block | Ignition switch at ON | B+ | • Ignition switch |
| | | | Ignition switch off | 1.0 or less | • Related wiring harnesses |
| J-01 C | Headlight (RH) control | Headlight (RH) (low beam) | Light switch at headlight position | B+ | • Headlight (RH) (low beam) |
| | | | Light switch off | 1.0 or less | • Related wiring harnesses |
| J-01 D | Headlight (LH) control | Headlight (LH) (low beam) | Light switch at headlight position | B+ | • Headlight (LH) (low beam) |
| | | | Light switch off | 1.0 or less | • Related wiring harnesses |
| J-01 E | Windshield wiper motor control | Windshield wiper motor (high speed) | Wiper switch at high position | B+ | • Windshield wiper motor |
| | | | Other | 1.0 or less | • Related wiring harnesses |
| J-01 F | PJB power supply | Main fuse block | Under any condition | B+ | • Related wiring harnesses |
| J-01 G | Blower relay, rear window defroster relay power supply | Blower relay, rear window defroster relay | Ignition switch at ON | B+ | • Blower relay |
| | | | Ignition switch off | 1.0 or less | • Rear window defroster relay |
| | | | | | • Related wiring harnesses |

| Terminal | Signal | Connected to | Measurement condition | | Voltage (V)/ Continuity | Inspection item (s) |
|----------|--------------------------------------|-----------------------------|----------------------------------|--|---------------------------------------|---|
| J-01 H | Back-up light power supply | Back-up light switch | Ignition switch at ON | | B+ | • Back-up light switch • Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-01 I | Headlight cleaner relay power supply | Headlight cleaner relay | Ignition switch at ON | | B+ | • Headlight cleaner relay • Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-01 J | — | — | — | | — | — |
| J-01 K | Parking light (RH) control | Parking light (RH) | Ignition switch off | Light switch at TNS position | B+ | • Parking light (RH) • Related wiring harnesses |
| | | | | Light switch at OFF position | 1.0 or less | |
| J-01 L | Front turn light (RH) control | Front turn light (RH) | Turn switch (RH) on | Front turn light (RH) flashes | Alternates between 1.0 or less and B+ | • Front turn light (RH) • Related wiring harnesses |
| | | | Hazard warning switch on | | + | |
| | | | Other | | 1.0 or less | |
| J-01 M | High beam (RH) control | Headlight (RH) (high beam) | Ignition switch off | Light switch at high position or flash-to-pass | B+ | • Headlight (RH) (high beam) • Related wiring harnesses |
| | | | | Other | 1.0 or less | |
| J-01 N | Heated outer mirror power supply | Rear window defroster relay | Rear window defroster switch on | | B+ | • Rear window defroster relay • Related wiring harnesses |
| | | | Rear window defroster switch off | | 1.0 or less | |
| J-01 O | High beam (LH) control | Headlight (LH) (high beam) | Ignition switch off | Light switch at high position or flash-to-pass | B+ | • Headlight (LH) (high beam) • Related wiring harnesses |
| | | | | Other | 1.0 or less | |
| J-01 P | — | — | — | | — | — |
| J-01 Q | Power supply | Main fuse block | Ignition switch at ON | | B+ | • Ignition switch • Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-01 R | PJB power supply | Main fuse block | Under any condition | | B+ | • Related wiring harnesses |
| J-01 S | Front fog light relay power supply | Front fog light relay | Ignition switch off | Light switch at TNS position | B+ | • Front fog light relay • Related wiring harnesses |
| | | | | Light switch at OFF position | 1.0 or less | |
| J-01 T | — | — | — | | — | — |
| J-01 U | — | — | — | | — | — |
| J-01 V | Brake switch signal output | PCM | Brake pedal depressed | | B+ | • Brake switch • PCM • Related wiring harnesses |
| | | | Brake pedal released | | 1.0 or less | |
| J-01 W | — | — | — | | — | — |
| J-01 X | — | — | — | | — | — |
| J-01 Y | — | — | — | | — | — |
| J-01 Z | — | — | — | | — | — |
| J-01 AA | — | — | — | | — | — |
| J-01 AB | — | — | — | | — | — |
| J-01 AC | Parking light (LH) control | Parking light (LH) | Ignition switch off | Light switch at TNS position | B+ | • Parking light (LH) • Related wiring harnesses |
| | | | | Light switch at OFF position | 1.0 or less | |
| J-01 AD | — | — | — | | — | — |
| J-01 AE | Back-up light switch signal | Back-up light switch | Ignition switch at ON | Transaxle in reverse | B+ | • Back-up light switch • Related wiring harnesses |
| | | | | Other | 1.0 or less | |
| J-01 AF | — | — | — | | — | — |
| J-01 AG | Windshield washer motor control | Windshield washer motor | Ignition switch at ON | Windshield washer switch on | B+ | • Windshield washer motor • Related wiring harnesses |
| | | | | Windshield washer switch off | 1.0 or less | |

| Terminal | Signal | Connected to | Measurement condition | | Voltage (V)/ Continuity | Inspection item (s) |
|----------|-------------------------------------|------------------------------------|--|----------------------------------|--|--|
| J-01 AH | Rear window defroster relay control | Rear window defroster relay | Ignition switch at ON | Rear window defroster switch on | 1.0 or less | • Rear window defroster relay • Related wiring harnesses |
| | | | | Rear window defroster switch off | B+ | |
| J-01 AI | Autostop switch signal | Autostop switch | Ignition switch at ON | Windshield wiper moving | B+ | • Autostop switch (windshield wiper motor) • Related wiring harnesses |
| | | | | Windshield wiper stopped | 1.0 or less | |
| J-01 AJ | — | — | — | | — | — |
| J-01 AK | Front turn light (LH) control | Front turn light (LH) | Turn switch (LH) on | Front turn light (LH) flashes | Alternates between 1.0 or less and B + | • Front turn light (LH) • Related wiring harnesses |
| | | | Hazard warning switch on | | | |
| | | | Other | | 1.0 or less | |
| J-01 AL | Brake fluid level signal | Brake fluid level sensor | Ignition switch at ON | Brake fluid level above MIN. | B+ | • Brake fluid level sensor • Related wiring harnesses |
| | | | | Brake fluid level below MIN. | 1.0 or less | |
| J-01 AM | PJB power supply | Main fuse block | Under any condition | | B+ | • Related wiring harnesses |
| J-01 AN | — | — | — | | — | — |
| J-01 AO | Windshield wiper motor control | Windshield wiper motor (low speed) | Wiper switch at low position | | B+ | • Windshield wiper motor • Related wiring harnesses |
| | | | Other | | 1.0 or less | |
| J-02 A | — | — | — | | — | — |
| J-02 B | — | — | — | | — | — |
| J-02 C | — | — | — | | — | — |
| J-02 D | — | — | — | | — | — |
| J-02 E | — | — | — | | — | — |
| J-02 F | — | — | — | | — | — |
| J-02 G | — | — | — | | — | — |
| J-02 H | — | — | — | | — | — |
| J-02 I | — | — | — | | — | — |
| J-02 J | — | — | — | | — | — |
| J-02 K | — | — | — | | — | — |
| J-02 L | — | — | — | | — | — |
| J-02 M | — | — | — | | — | — |
| J-02 N | — | — | — | | — | — |
| J-02 O | — | — | — | | — | — |
| J-02 P | — | — | — | | — | — |
| J-02 Q | — | — | — | | — | — |
| J-02 R | — | — | — | | — | — |
| J-02 S | — | — | — | | — | — |
| J-02 T | — | — | — | | — | — |
| J-02 U | — | — | — | | — | — |
| J-02 V | — | — | — | | — | — |
| J-02 W | — | — | — | | — | — |
| J-02 X | — | — | — | | — | — |
| J-02 Y | Bonnet latch switch signal | Bonnet latch switch | Bonnet open (Bonnet latch switch off) | | B+ | • Bonnet latch switch • Related wiring harnesses |
| | | | Bonnet closed (Bonnet latch switch on) | | 1.0 or less | |
| J-02 Z | Headlight cleaner relay control | Headlight cleaner relay | Headlight cleaner operating | | 1.0 or less | • Headlight cleaner relay • Related wiring harnesses |
| | | | Other | | B+ | |
| J-02 AA | — | — | — | | — | — |
| J-02 AB | — | — | — | | — | — |
| J-02 AC | — | — | — | | — | — |

| Terminal | Signal | Connected to | Measurement condition | | Voltage (V)/ Continuity | Inspection item (s) |
|----------|-----------------------------------|---|--|---|----------------------------|--|
| J-02 AD | Ambient temperature sensor signal | Ambient temperature sensor | Depends on temperature surrounding sensor | (See Figure 1 (Ambient Temperature Sensor) .) | | <ul style="list-style-type: none"> Ambient temperature sensor Related wiring harnesses |
| J-02 AE | Front fog light relay control | Front fog light relay | Front fog light switch on and light switch at TNS position | | 1.0 or less | <ul style="list-style-type: none"> Front fog light relay Related wiring harnesses |
| | | | Front fog light switch off | | B+ | |
| J-02 AF | Sensor GND | Ambient temperature sensor | Under any condition: Inspect for continuity to ground. | | Continuity detected | <ul style="list-style-type: none"> Related wiring harnesses |
| J-03 A | — | — | — | | — | — |
| J-03 B | Washer switch signal | Windshield wiper and washer switch | Ignition switch at ON | Washer switch on | B+ | <ul style="list-style-type: none"> Windshield wiper and washer switch Related wiring harnesses |
| | | | | Washer switch off | 1.0 or less | |
| J-03 C | PJB GND | Body ground | Under any condition: Inspect for continuity to ground. | | Continuity detected | <ul style="list-style-type: none"> Related wiring harnesses |
| J-03 D | — | — | — | | — | — |
| J-03 E | — | — | — | | — | — |
| J-03 F | — | — | — | | — | — |
| J-03 G | — | — | — | | — | — |
| J-03 H | Illumination power supply | Illumination bulb | Light switch at TNS position | | B+ | <ul style="list-style-type: none"> Related wiring harnesses |
| | | | Light switch at OFF position | | 1.0 or less | |
| J-03 I | TNS signal | Light switch | Light switch at TNS position | | 1.0 or less | <ul style="list-style-type: none"> Light switch Related wiring harnesses |
| | | | Light switch at OFF position | | B+ | |
| J-03 J | DLC-2 power supply | DLC-2 | Under any condition | | B+ | <ul style="list-style-type: none"> Related wiring harnesses |
| J-03 K | — | — | — | | — | — |
| J-03 L | — | — | — | | — | — |
| J-03 M | — | — | — | | — | — |
| J-03 N | Washer motor power supply | <ul style="list-style-type: none"> Windshield wiper and washer switch Rear washer motor | Ignition switch at ON | | B+ | <ul style="list-style-type: none"> Ignition switch Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-03 O | Seat warmer power supply | Seat warmer | Ignition switch at ON | | B+ | <ul style="list-style-type: none"> Ignition switch Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-03 P | Power supply | <ul style="list-style-type: none"> Audio unit Keyless control module Car-navigation unit Ignition key illumination bulb | Under any condition | | B+ | <ul style="list-style-type: none"> Related wiring harnesses |
| J-03 Q | Auto leveling control | Auto leveling control module | Light switch at headlight position | | 1.0 or less | <ul style="list-style-type: none"> Auto leveling control module Related wiring harnesses |
| | | | Light switch at OFF position | | B+ | |
| J-03 R | Climate control unit power supply | Climate control unit | Under any condition | | B+ | <ul style="list-style-type: none"> Related wiring harnesses |
| J-03 S | — | — | — | | — | — |
| J-03 T | Power supply | <ul style="list-style-type: none"> Instrument cluster Key interlock solenoid | Under any condition | | B+ | <ul style="list-style-type: none"> Related wiring harnesses |
| J-03 U | — | — | — | | — | — |
| J-03 V | — | — | — | | — | — |
| J-03 W | Rear fog light control | Rear fog light | Rear fog light switch on | | B+ | <ul style="list-style-type: none"> Rear fog light Related wiring harnesses |
| | | | Rear fog light switch off | | 1.0 or less | |
| J-03 X | PJB GND | Body ground | Under any condition: Inspect for continuity to ground. | | Continuity detected | <ul style="list-style-type: none"> Related wiring harnesses |

| Terminal | Signal | Connected to | Measurement condition | | Voltage (V)/ Continuity | Inspection item (s) |
|----------|--|---|--|---|----------------------------|--|
| J-03 Y | Power supply | Ignition switch | Ignition switch at ACC | | B+ | • Ignition switch • Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-03 Z | — | — | — | | — | — |
| J-03 AA | Power supply | • Audio unit • Keyless control module • Car-navigation unit | Ignition switch at ACC | | B+ | • Ignition switch • Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-03 AB | Ignition key illumination control | Ignition key illumination | Ignition switch off and driver-side door opened. | | 1.0 or less | • Ignition key illumination bulb • Related wiring harnesses |
| | | | 15 s or more after driver-side door closed. | | B+ | |
| J-03 AC | Power supply | Instrument cluster | Ignition switch at ON | | B+ | • Ignition switch • Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-03 AD | Power supply | Climate control unit | Ignition switch at ON | | B+ | • Ignition switch • Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-03 AE | — | — | — | | — | — |
| J-03 AF | — | — | — | | — | — |
| J-03 AG | — | — | — | | — | — |
| J-03 AH | — | — | — | | — | — |
| J-03 AI | Panel light control | Illumination bulb | Panel light control switch turned to the brightest setting | 1.0 or less | | • Each illumination bulb • Related wiring harnesses |
| | | | Panel light control switch turned to the darkest position | (See Inspection Using an Oscilloscope (Reference) .) | | |
| J-03 AJ | Panel light control input | Panel light control switch | Panel light control switch turned to the brightest setting | | Approx. 4.5 | • Panel light control switch • Related wiring harnesses |
| | | | Panel light control switch turned to the darkest position | | 1.0 or less | |
| J-03 AK | — | — | — | | — | — |
| J-03 AL | Headlight leveling switch power supply | Headlight leveling switch | Light switch at headlight position | | B+ | • Headlight leveling switch • Related wiring harnesses |
| | | | Light switch at OFF position | | 1.0 or less | |
| J-03 AM | SAS control module power supply | SAS control module | Ignition switch at ON | | B+ | • Ignition switch • Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-03 AN | Cigarette lighter power supply | Cigarette lighter | Ignition switch at ACC | | B+ | • Ignition switch • Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-03 AO | Power supply | Ignition switch | Ignition switch at ON | | B+ | • Ignition switch • Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-03 AP | Power supply | Ignition switch | Ignition switch at ON | | B+ | • Ignition switch • Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-03 AQ | — | — | — | | — | — |
| J-03 AR | — | — | — | | — | — |
| J-03 AS | Headlight switch signal | Light switch | Light switch at headlight position | | 1.0 or less | • Light switch • Related wiring harnesses |
| | | | Light switch at OFF position | | B+ | |
| J-03 AT | — | — | — | | — | — |
| J-04 A | — | — | — | | — | — |
| J-04 A * | PTC heater control | PTC heater | PTC heater operating | (See Inspection Using an Oscilloscope (Reference) .) | | • PTC heater • Related wiring harnesses |
| J-04 B | CAN_L | — | Because this terminal is for communication, good/no good judgment by terminal voltage is not possible. | | — | • Related wiring harnesses |
| J-04 C | Windshield wiper switch signal (high) | Windshield wiper and washer switch | Ignition switch at ON | Windshield wiper switch at high position | 1.0 or less | • Windshield wiper and washer switch • Related wiring harnesses |
| | | | | Other | B+ | |

| Terminal | Signal | Connected to | Measurement condition | | Voltage (V)/ Continuity | Inspection item (s) |
|----------|--------------------------------------|------------------------------------|--|--|----------------------------|--|
| J-04 D | CAN_H | — | Because this terminal is for communication, good/no good judgment by terminal voltage is not possible. | | — | • Related wiring harnesses |
| J-04 E | Sensitivity adjustment volume | Windshield wiper and washer switch | Ignition switch at ON | Sensitivity adjustment volume turned from + position to – position | 0 → 0.8 → 1.5 → 2.5 → 2.7 | • Windshield wiper and washer switch • Related wiring harnesses |
| J-04 F | Keyless entry signal | Keyless control module | Because this terminal is for communication, good/no good judgment by terminal voltage is not possible. | | — | • Keyless control module • Related wiring harnesses |
| J-04 G | Windshield wiper switch signal (low) | Windshield wiper and washer switch | Ignition switch at ON | Windshield wiper switch at low position | 1.0 or less | • Windshield wiper and washer switch • Related wiring harnesses |
| | | | | Other | B+ | |
| J-04 H | — | — | — | | — | — |
| J-04 I | Rear window defroster signal | Climate control unit | Rear window defroster switch on | | 1.0 or less | • Climate control unit • Related wiring harnesses |
| | | | Rear window defroster switch off | | B+ | |
| J-04 J | — | — | — | | — | — |
| J-04 K | Turn switch input (RH) | Turn switch | Ignition switch at ON | Turn switch at right position | 1.0 or less | • Turn switch • Related wiring harnesses |
| | | | | Other | B+ | |
| J-04 L | Headlight switch signal (high beam) | Light switch | Light switch at high position or flash-to-pass | | 1.0 or less | • Light switch • Related wiring harnesses |
| | | | Other | | B+ | |
| J-04 M | — | — | — | | — | — |
| J-04 N | — | — | — | | — | — |
| J-04 O | Turn switch input (LH) | Turn switch | Ignition switch at ON | Turn switch at left position | 1.0 or less | • Turn switch • Related wiring harnesses |
| | | | | Other | B+ | |
| J-04 P | — | — | — | | — | — |
| J-04 Q | — | — | — | | — | — |
| J-04 R | Rear wiper switch signal (on) | Rear wiper and washer switch | Ignition switch at ON | Rear wiper and washer switch at ON position | 1.0 or less | • Rear wiper and washer switch • Related wiring harnesses |
| | | | | Other | B+ | |
| J-04 S | Rear wiper switch signal (INT) | Rear wiper and washer switch | Ignition switch at ON | Rear wiper and washer switch at INT position | 1.0 or less | • Rear wiper and washer switch • Related wiring harnesses |
| | | | | Other | B+ | |
| J-04 T | — | — | — | | — | — |
| J-04 U | Windshield wiper switch signal (INT) | Windshield wiper switch | Ignition switch at ON | Windshield wiper switch at INT position | 1.0 or less | • Windshield wiper switch • Related wiring harnesses |
| | | | | Other | B+ | |
| J-04 V | — | — | — | | — | — |
| J-04 W | Front fog light switch signal | Front fog light switch | Front fog light switch on | | 1.0 or less | • Fog light switch • Related wiring harnesses |
| | | | Front fog light switch off | | B+ | |
| J-04 X* | PTC heater request signal | Climate control unit | Fan switch at 1st, temperature control dial to MAX HOT | | 1.0 or less | • Climate control unit • Related wiring harnesses |
| | | | Other | | B+ | |
| J-04 Y | — | — | — | | — | — |
| J-04 Z | Rear fog light switch signal | Rear fog light switch | Rear fog light switch on | | 1.0 or less | • Rear fog light switch • Related wiring harnesses |
| | | | Rear fog light switch off | | B+ | |
| J-04 AA | — | — | — | | — | — |
| J-04 AB | Parking brake switch signal | Parking brake switch | Ignition switch at ON | Parking brake switch on | 1.0 or less | • Parking brake switch • Related wiring harnesses |
| | | | | Parking brake switch off | B+ | |

| Terminal | Signal | Connected to | Measurement condition | | Voltage (V)/ Continuity | Inspection item (s) |
|----------|---------------------------------|---------------------------|---|--|--|--|
| J-04 AC | Hazard warning switch signal | Hazard warning switch | Hazard warning switch on | | 1.0 or less | • Hazard warning switch • Related wiring harnesses |
| | | | Hazard warning switch off | | B+ | |
| J-04 AD | Rear window defroster signal | Climate control unit | Rear window defroster switch is pressed | | 1.0 or less | • Climate control unit • Related wiring harnesses |
| | | | Rear window defroster switch is released | | B+ | |
| J-04 AE | Light switch signal (AUTO) | Light switch | Ignition switch at ON | Light switch at AUTO position | 1.0 or less | • Light switch • Related wiring harnesses |
| | | | | Other | B+ | |
| J-04 AF | A/C operation signal | Climate control unit | A/C operating | | 1.0 or less | • Climate control unit • Related wiring harnesses |
| | | | A/C not operating | | B+ | |
| J-05 A | Rear turn light (LH) control | Rear turn light (LH) | Turn switch (LH) on | Rear turn light (LH) flashes | Alternates between 1.0 or less and B + | • Rear turn light (LH) • Related wiring harnesses |
| | | | Hazard warning switch on | | | |
| | | | Other | | 1.0 or less | |
| J-05 B | — | — | — | | — | — |
| J-05 C | Back-up light control | Back-up light | Ignition switch at ON | Transaxle in reverse | B+ | • Back-up light • Related wiring harnesses |
| | | | | Other | 1.0 or less | |
| J-05 D | — | — | — | | — | — |
| J-05 E | Power outer mirror power supply | Power outer mirror | Ignition switch at ACC | | B+ | • Power outer mirror • Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-05 F | Sunroof power supply | Sunroof | Under any condition | | B+ | • Sunroof • Related wiring harnesses |
| J-05 G | Tail light (LH) control | Tail light (LH) | Light switch at TNS position | | B+ | • Tail light (LH) • Related wiring harnesses |
| | | | Light switch at OFF position | | 1.0 or less | |
| J-05 H | Rain sensor GND | Rain sensor | Under any condition: Inspect for continuity to ground. | | Continuity detected | • Related wiring harnesses |
| J-05 I | Auto stop switch signal | Rain sensor | Windshield wiper moving | | B+ | • Auto stop switch (windshield wiper motor) • Rain sensor • Related wiring harnesses |
| | | | Windshield wiper stopped | | 1.0 or less | |
| J-05 J | Trunk lid unlock control | Trunk lid unlock actuator | Trunk lid unlock actuator unlocking | | 1.0 or less → B+ → 1.0 or less | • Trunk lid unlock actuator • Related wiring harnesses |
| | | | Other | | 1.0 or less | |
| J-05 K | Power window power supply | Power window main switch | Under any condition | | B+ | • Related wiring harnesses |
| J-05 L | — | — | — | | — | — |
| J-05 M | Brake switch signal | Brake switch | Brake pedal depressed | | B+ | • Brake switch • Related wiring harnesses |
| | | | Brake pedal released | | 1.0 or less | |
| J-05 N | Double lock control | Door lock actuator | Lock actuator double-locking (Transmitter LOCK button pressed twice within 5 s) | | 1.0 or less → B+ → 1.0 or less | • Door lock actuator • Related wiring harnesses |
| | | | Other | | 1.0 or less | |
| J-05 O | Power window power supply | Power window main switch | Under any condition | | B+ | • Related wiring harnesses |
| J-05 P | — | — | — | | — | — |
| J-05 Q | — | — | — | | — | — |
| J-05 R | Intruder sensor signal | Intruder sensor | Theft-deterrent system arming | (See Inspection Using an Oscilloscope (Reference) .) | | • Intruder sensor • Related wiring harnesses |

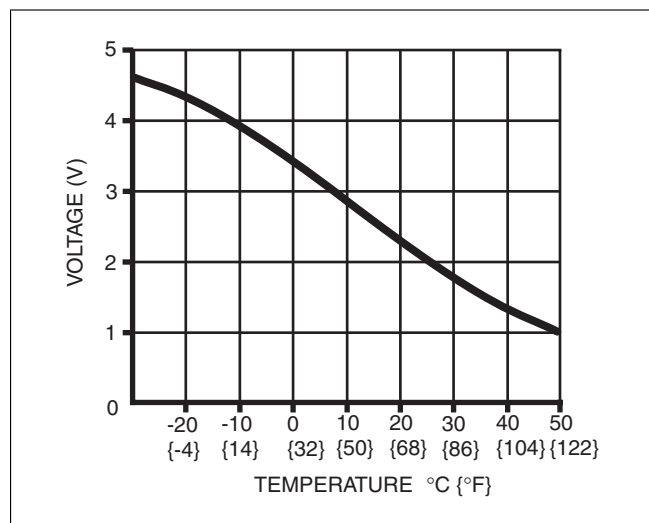
| Terminal | Signal | Connected to | Measurement condition | | Voltage (V)/ Continuity | Inspection item (s) |
|----------|------------------------------|---|---|------------------------------|--|---|
| J-05 S | Interior light power supply | • Map light • Interior light • Trunk compartment light • Cargo compartment light | Under any condition | | B+ | • Related wiring harnesses |
| J-05 T | Rain sensor power supply | Rain sensor | Ignition switch at ON | | B+ | • Ignition switch • Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-05 U | Interior light control | • Map light • Interior light | Within 5 min after any door is opened. | | 1.0 or less | • Map light • Interior light • Related wiring harnesses |
| | | | 5 min or more after any door is opened. | | B+ | |
| | | | All doors closed | | 1.0 or less | |
| J-05 V | — | — | — | | — | — |
| J-05 W | — | — | — | | — | — |
| J-05 X | — | — | — | | — | — |
| J-05 Y | Door unlock control | Door lock actuator | Door lock actuator unlocking | | 1.0 or less → B+ → 1.0 or less | • Door lock actuator • Related wiring harnesses |
| | | | Other | | 1.0 or less | |
| J-05 Z | Heated outer mirror control | Heated outer mirror | Rear window defroster switch on | | B+ | • Heated outer mirror • Related wiring harnesses |
| | | | Rear window defroster switch off | | 1.0 or less | |
| J-05 AA | — | — | — | | — | — |
| J-05 AB | — | — | — | | — | — |
| J-05 AC | — | — | — | | — | — |
| J-05 AD | — | — | — | | — | — |
| J-05 AE | — | — | — | | — | — |
| J-05 AF | — | — | — | | — | — |
| J-05 AG | — | — | — | | — | — |
| J-05 AH | — | — | — | | — | — |
| J-05 AI | — | — | — | | — | — |
| J-05 AJ | — | — | — | | — | — |
| J-05 AK | Rear turn light (RH) control | Rear turn light (RH) | Turn switch (RH) on | Rear turn light (RH) flashes | Alternates between 1.0 or less and B + | • Rear turn light (RH) • Related wiring harnesses |
| | | | Hazard warning switch on | | | |
| | | | Other | | 1.0 or less | |
| J-05 AL | Sunroof power supply | Sunroof | Ignition switch at ON | | B+ | • Ignition switch • Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-05 AM | — | — | — | | — | — |
| J-05 AN | — | — | — | | — | — |
| J-05 AO | — | — | — | | — | — |
| J-05 AP | Door lock control | Door lock actuator | Door lock actuator locking | | 1.0 or less → B+ → 1.0 or less | • Door lock actuator • Related wiring harnesses |
| | | | Other | | 1.0 or less | |
| J-05 AQ | Power supply | Theft-deterrent siren | Under any condition | | B+ | • Related wiring harnesses |
| J-05 AR | Rear wiper control | Rear wiper motor | Rear wiper moving | | B+ | • Rear wiper motor • Related wiring harnesses |
| | | | Rear wiper stopped | | 1.0 or less | |
| J-05 AS | Tail light (RH) control | Tail light (RH) | Light switch at TNS position | | B+ | • Tail light (RH) • Related wiring harnesses |
| | | | Light switch at OFF position | | 1.0 or less | |
| J-05 AT | Rear wiper power supply | Rear wiper motor | Ignition switch at ON | | B+ | • Rear wiper motor • Related wiring harnesses |
| | | | Ignition switch off | | 1.0 or less | |
| J-06 A | — | — | — | | — | — |
| J-06 B | — | — | — | | — | — |
| J-06 C | — | — | — | | — | — |
| J-06 D | — | — | — | | — | — |
| J-06 E | — | — | — | | — | — |

| Terminal | Signal | Connected to | Measurement condition | Voltage (V)/ Continuity | Inspection item (s) |
|----------|---|--------------------------------------|---|----------------------------|---|
| J-06 F | — | — | — | — | — |
| J-06 G | — | — | — | — | — |
| J-06 H | — | — | — | — | — |
| J-06 I | — | — | — | — | — |
| J-06 J | — | — | — | — | — |
| J-06 K | — | — | — | — | — |
| J-06 L | — | — | — | — | — |
| J-06 M | Intruder sensor power supply | Intruder sensor | Theft-deterrent system pre-arming or arming | B+ | • Related wiring harnesses |
| | | | Other | 1.0 or less | |
| J-06 N | Intruder sensor GND | Intruder sensor | Under any condition: Inspect for continuity to ground. | Continuity detected | • Related wiring harnesses |
| J-06 O | Door status | Power window main switch | All doors closed | B+ | • Door switch • Power window main switch • Related wiring harnesses |
| | | | Any door opened | 1.0 or less | |
| J-06 P | Trunk lid lock/unlock signal | Trunk lid key cylinder switch | At the moment key cylinder is unlocked | 1.0 or less | • Trunk lid key cylinder switch • Related wiring harnesses |
| | | | At the moment key cylinder is locked | Approx. 3 | |
| | | | Key cylinder at neutral position | B+ | |
| J-06 Q | Rear door latch switch (RH) signal | Rear door latch switch (RH) | Rear door (RH) open (Rear door latch switch (RH) off) | B+ | • Rear door latch switch (RH) • Related wiring harnesses |
| | | | Rear door (RH) closed (Rear door latch switch (RH) on) | 1.0 or less | |
| J-06 R | Intruder sensor signal | Intruder sensor | Theft-deterrent system pre-arming, arming, or alarm | B+ | • Intruder sensor • Related wiring harnesses |
| | | | Intruder sensor detects intrusion | B+ → 1.0 or less → B+ | |
| | | | Theft-deterrent system: Other | 1.0 or less | |
| J-06 S | Rear door latch switch (LH) signal | Rear door latch switch (LH) | Rear door (LH) open (Rear door latch switch (LH) off) | B+ | • Rear door latch switch (LH) • Related wiring harnesses |
| | | | Rear door (LH) closed (Rear door latch switch (LH) on) | 1.0 or less | |
| J-06 T | — | — | — | — | — |
| J-06 U | Front door latch switch (RH) signal | Front door latch switch (RH) | Front door (RH) open (Front door latch switch (RH) off) | B+ | • Front door latch switch (RH) • Related wiring harnesses |
| | | | Front door (RH) closed (Front door latch switch (RH) on) | 1.0 or less | |
| J-06 V | Unlock input (Driver-side door lock-link switch) | Driver-side door lock-link switch | Driver-side door locked | B+ | • Driver-side door lock-link switch • Related wiring harnesses |
| | | | Driver-side door unlocked | 1.0 or less | |
| J-06 W | Front door latch switch (LH) signal | Front door latch switch (LH) | Front door (LH) open (Front door latch switch (LH) off) | B+ | • Front door latch switch (LH) • Related wiring harnesses |
| | | | Front door (LH) closed (Front door latch switch (LH) on) | 1.0 or less | |
| J-06 X | Liftgate latch switch signal | Liftgate latch switch | Liftgate is open. (Liftgate latch switch on) | 1.0 or less | • Liftgate latch switch • Related wiring harnesses |
| | | | Liftgate is closed. (Liftgate latch switch off) | B+ | |
| J-06 Y | Lock input (Driver-side door key cylinder switch) | Driver-side door key cylinder switch | At the moment key cylinder is locked | 1.0 or less | • Driver-side door key cylinder switch • Related wiring harnesses |
| | | | Other | B+ | |
| J-06 Z | Trunk lid latch switch signal | Trunk lid latch switch | Trunk lid open (Trunk lid latch switch on) | 1.0 or less | • Trunk lid latch switch • Related wiring harnesses |
| | | | Trunk lid closed (Trunk lid latch switch off) | B+ | |

| Terminal | Signal | Connected to | Measurement condition | Voltage (V)/ Continuity | Inspection item (s) |
|----------|---|--|---|----------------------------|--|
| J-06 AA | Unlock input (Driver-side door key cylinder switch) | Driver-side door key cylinder switch | At the moment key cylinder is unlocked | 1.0 or less | <ul style="list-style-type: none"> • Driver-side door key cylinder switch • Related wiring harnesses |
| | | | Other | B+ | |
| J-06 AB | Trunk lid open request signal | Trunk lid key cylinder push switch | Trunk lid key cylinder push switch pressed | 1.0 or less | <ul style="list-style-type: none"> • Trunk lid key cylinder push switch • Related wiring harnesses |
| | | | Trunk lid key cylinder push switch released | B+ | |
| J-06 AC | Lock input (Driver-side door lock-link switch) | Driver-side door lock-link switch | Driver-side door locked | 1.0 or less | <ul style="list-style-type: none"> • Driver-side door lock-link switch • Related wiring harnesses |
| | | | Driver-side door unlocked | B+ | |
| J-06 AD | Wiper or headlight operation request | Rain sensor | Because this terminal is for communication, good/no good judgment by terminal voltage is not possible. | — | <ul style="list-style-type: none"> • Rain sensor • Related wiring harnesses |
| J-06 AE | — | — | — | — | — |
| J-06 AF | — | — | — | — | — |

* : MZ-CD 1.6 (Y6)

Figure 1 (Ambient Temperature Sensor)

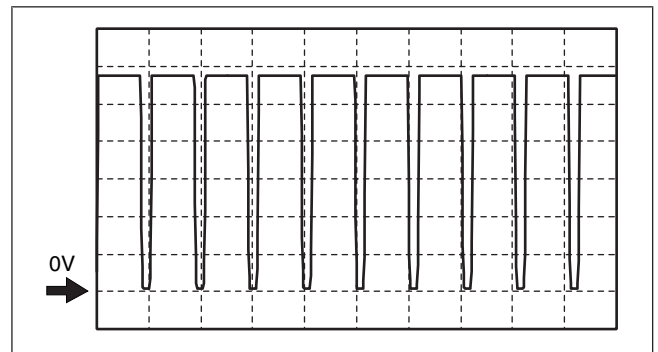


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Inspection Using an Oscilloscope (Reference)

Panel light control

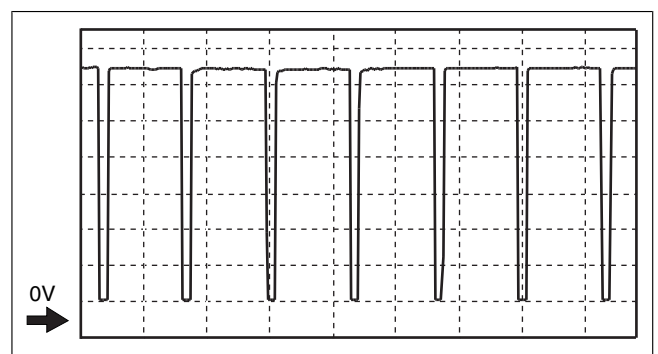
- Terminal connected: J-03 AI (+)—Negative battery terminal
- Oscilloscope setting: 2 V/DIV (Y): 5 ms/DIV (X), DC range
- Measurement condition: Panel light control switch turned to the darkest position.



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PTC heater control

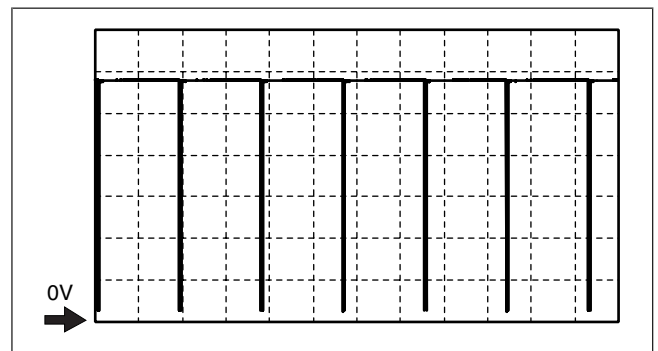
- Terminal connected: J-04 A (+)—Negative battery terminal
- Oscilloscope setting: 2 V/DIV (Y): 5 ms/DIV (X), DC range
- Measurement condition:
 - PTC heater operating
 - Engine running
 - After warm up
 - Ambient temperature approx 20 °C



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Intruder sensor signal

- Terminal connected: J-05 R (+)—Negative battery terminal
- Oscilloscope setting: 2 V/DIV (Y): 100 ms/DIV (X), DC range
- Measurement condition: Theft-deterrent system arming.



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