## SYSTEM OUTLINE

With the ignition SW turned on, the current flows to **TERMINAL 17** of the front wiper and washer SW, and **TERMINAL 2** of the front wiper motor through the **WIPER** fuse, **TERMINAL 2** of washer motor through the **WASHER** fuse.

**1. LOW SPEED POSITION**

With wiper SW turned to **LO** position, the current flows from **TERMINAL 17** of the front wiper and washer SW to **TERMINAL 7** to **TERMINAL 5** of the front wiper motor to **TERMINAL 4** to **GROUND** and causes the front wiper motor to run at low speed.

**2. HIGH SPEED POSITION**

With wiper SW turned to **HI** position, the current flows from **TERMINAL 17** of the front wiper and washer SW to **TERMINAL 8** to **TERMINAL 3** of the front wiper motor to **TERMINAL 4** to **GROUND** and causes the front wiper motor to run at high speed.

**3. INT POSITION**

With wiper SW turned to **INT** position, the relay operates and the current which is connected by relay function flows from **TERMINAL 17** of the front wiper and washer SW to **TERMINAL 2** to **GROUND**. This flow of current operates the intermittent circuit and the current flows from **TERMINAL 17** of the front wiper and washer SW to **TERMINAL 7** to **TERMINAL 5** of the front wiper motor to **TERMINAL 4** to **GROUND** and operates the wiper.
The intermittent operation is controlled by the charge/discharge function of the condenser installed in the relay, and the intermittent time is controlled by a time control SW to change the charging time of the condenser.

**4. MIST POSITION**

With wiper SW turn **MIST** position, the current flows from **TERMINAL 17** of the front wiper and washer SW to **TERMINAL 7** to **TERMINAL 5** of the wiper motor to **TERMINAL 4** to **GROUND** and causes the wiper motor to run at low speed.

**5. WASHER CONTINUOUS OPERATION**

With washer SW turned to on, the current flows from **TERMINAL 2** of the washer motor to **TERMINAL 1** to **TERMINAL 11** of the front wiper and washer SW to **TERMINAL 2** to **GROUND** and causes to the washer motor to run, and the window washer emits a water spray. This causes the current to flow to washer continuous operation circuit in **TERMINAL 17** of the front wiper and washer SW to **TERMINAL 7** to **TERMINAL 5** of the front wiper motor to **TERMINAL 4** to **GROUND** and operates the wiper.

## SERVICE HINTS

**C16 (A), (B) FRONT WIPER AND WASHER SW [COMB. SW]**

(A) 2, (B) 8–GROUND : Always continuity
(A)17, (B) 11–GROUND : Approx. **12** volts with the ignition SW at **ON** or **ST** position
(A) 7, (B) 3–GROUND : Approx. **12** volts with the front wiper and washer SW at **LO** position
Approx. **12** volts **2** to **12** seconds intermittently with the front wiper and washer SW at **INT** position
(A)16, (B) 12–GROUND : Approx. **12** volts with the ignition SW on unless the front wiper motor at **STOP** position
(A) 8, (B) 2–GROUND : Approx. **12** volts with the front wiper and washer SW at **HI** position

**F7 (A), (B) FRONT WIPER MOTOR**

(A) 2–(A) 1, (B) 2–(B) 3 : Closed unless the wiper motor at **STOP** position

**○ : PARTS LOCATION**

| Code | | See Page | Code | | See Page | Code | See Page |
|---|---|---|---|---|---|---|---|
| C11 | A | 72 (LHD) | F7 | A | 68 (LHD) | J42 | 88 (RHD) |
| | | 86 (RHD) | | B | 82 (RHD) | W1 | 70 (LHD) |
| C12 | B | 72 (LHD) | J8 | | 74 (LHD) | | 84 (RHD) |
| | | 86 (RHD) | J10 | | 74 (LHD) | W2 | 70 (LHD) |
| C16 | A | 72 (LHD) | J12 | | 74 (LHD) | | 84 (RHD) |
| | | 86 (RHD) | J29 | | 84 (RHD) | | |
| | B | 86 (RHD) | J35 | | 88 (RHD) | | |

**: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR**

| Code | See Page | Junction Block and Wire Harness (Connector Location) |
|---|---|---|
| 1B | 58 (LHD) | Cowl Wire and Driver Side J/B (Left Kick Panel) |
| | 58 (RHD) | Engine Room Main Wire and Driver Side J/B (Right Kick Panel) |
| 1D | 58 (LHD) | Instrument Panel Wire and Driver Side J/B (Left Kick Panel) |
| | 58 (RHD) | Instrument Panel Wire and Driver Side J/B (Right Kick Panel) |
| 1F | 58 (LHD) | Cowl Wire and Driver Side J/B (Left Kick Panel) |
| | 58 (RHD) | Cowl Wire and Driver Side J/B (Right Kick Panel) |

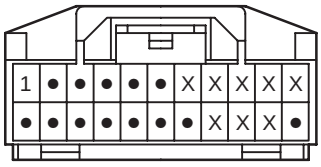
**: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location) |
|---|---|---|
| ID1 | 98 (LHD) | Cowl Wire and Cowl Wire (Left Side of the Instrument Panel Reinforcement) |
| IE1 | 98 (LHD) | Instrument Panel Wire and Cowl Wire (Left Side of the Steering Column) |
| II1 | 110 (RHD) | Engine Room Main Wire and Cowl Wire (Near the Passenger Side R/B) |
| IJ1 | 110 (RHD) | Instrument Panel Wire and Cowl Wire (Left Side of the Blower Unit) |
| IK1 | 110 (RHD) | Front Door RH Wire and Cowl Wire (Right Kick Panel) |

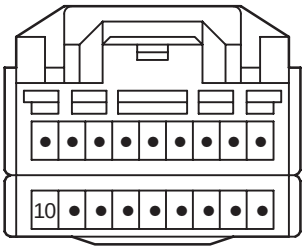
**: GROUND POINTS**

| Code | See Page | Ground Points Location |
|---|---|---|
| EB | 96 (LHD) | Left Fender |
| | 106 (RHD) | |
| EE | 106 (RHD) | Under the ABS & TRC & VSC Actuator |
| IF | 98 (LHD) | Left Kick Panel |
| II | 108 (RHD) | Cowl Side Panel RH |

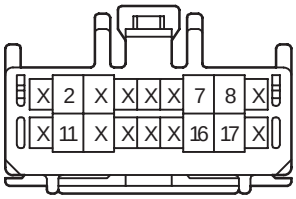
C11 (A)



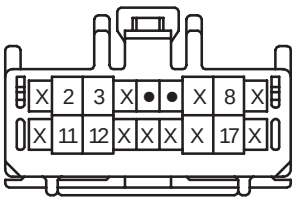

C12 (B)




(Except Australia) C16 (A) BLACK



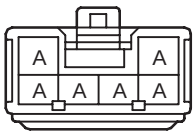

(Australia) C16 (B) BLACK




(LHD) F7 (A) GRAY

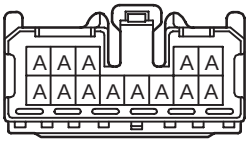

(RHD) F7 (B) BLACK


J8



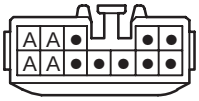

(Hint : See Page 7, 23, 39)

J10 ORANGE




(Hint : See Page 7, 23, 39)

J12 GRAY

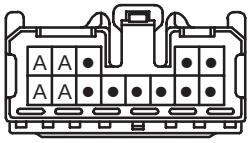



(Hint : See Page 7, 23, 39)

J29 BLUE

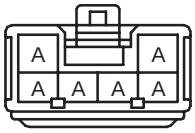

(Hint : See Page 7, 23, 39)

J35



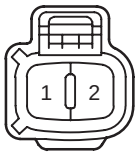

(Hint : See Page 7, 23, 39)

J42




(Hint : See Page 7, 23, 39)

W1 BLACK




W2 BLACK