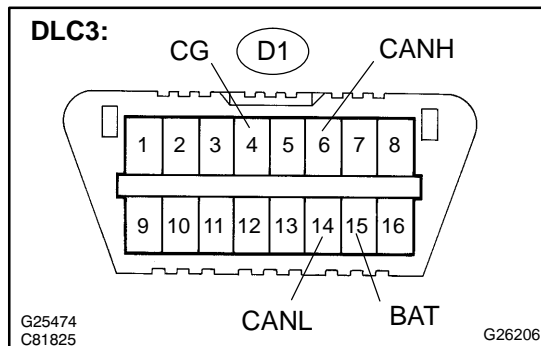


## TERMINALS OF ECU

### HINT:

This section describes the standard CAN values for all CAN related components.

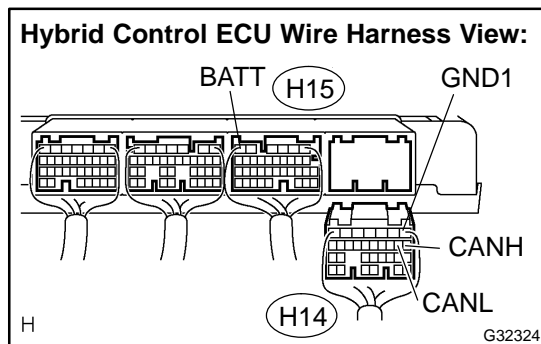


### 1. DLC3

- (a) Measure the resistance according to the value(s) in the table below.

#### Standard:

| Terminals                  | Wiring Color | Condition        | Specified Condition |
|----------------------------|--------------|------------------|---------------------|
| D1-6 (CANH) – D1-4 (CANL)  | B – W        | Power Switch OFF | 54 to 69 Ω          |
| D1-6 (CANH) – D1-4 (CG)    | B – W-B      | Power Switch OFF | 1 kΩ or more        |
| D1-14 (CANL) – D1-4 (CG)   | W – W-B      | Power Switch OFF | 1 kΩ or more        |
| D1-6 (CANH) – D1-16 (BAT)  | B – G        | Power Switch OFF | 1 MΩ or more        |
| D1-14 (CANL) – D1-16 (BAT) | W – G        | Power Switch OFF | 1 MΩ or more        |



### 2. HYBRID VEHICLE CONTROL ECU

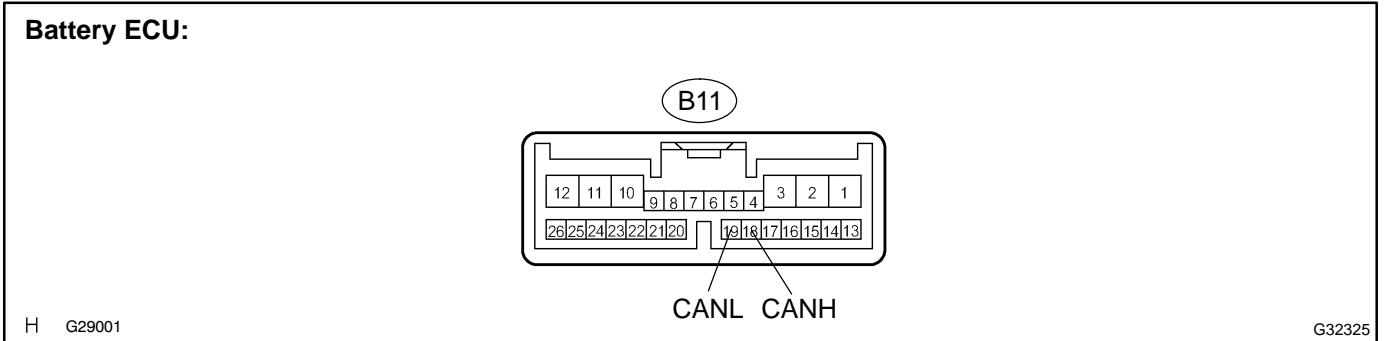
- (a) Measure the resistance according to the value(s) in the table below.

#### Standard:

| Terminals                   | Wiring Color | Condition        | Specified Condition |
|-----------------------------|--------------|------------------|---------------------|
| H14-8 (CANH) – H10-9 (CANL) | B – W        | Power Switch OFF | 54 to 69 Ω          |
| H14-8 (CANH) – H10-1 (GND1) | B – W-B      | Power Switch OFF | 1 kΩ or more        |
| H14-9 (CANL) – H10-1 (GND1) | W – W-B      | Power Switch OFF | 1 kΩ or more        |
| H14-8 (CANH) – H11-6 (BATT) | B – Y        | Power Switch OFF | 1 MΩ or more        |
| H14-9 (CANL) – H11-6 (BATT) | W – Y        | Power Switch OFF | 1 MΩ or more        |

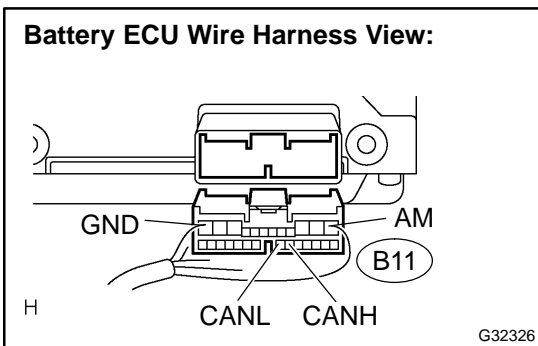
**3. BATTERY ECU**

- (a) Measure the resistance according to the value(s) in the table below.



**Standard:**

| Terminals                     | Condition        | Specified Condition |
|-------------------------------|------------------|---------------------|
| B11-18 (CANH) – B11-19 (CANL) | Power Switch OFF | 108 to 132 Ω        |



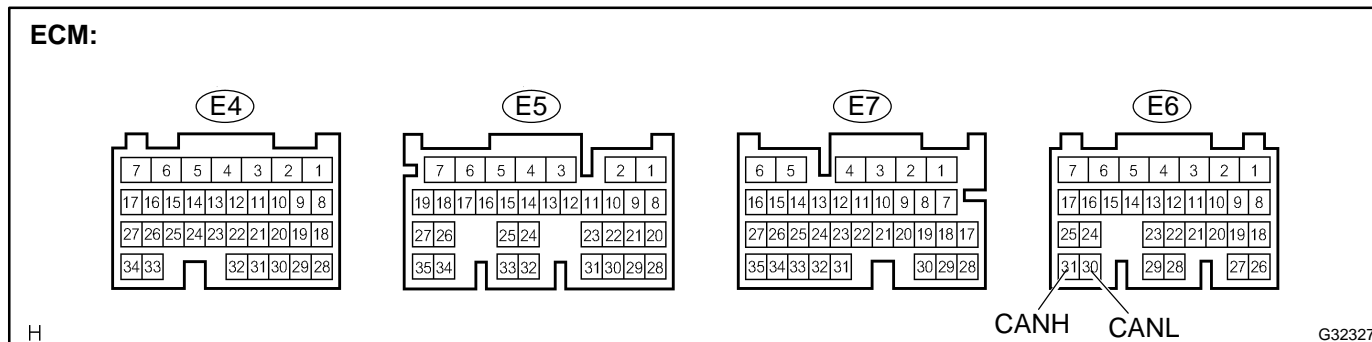
- (b) Measure the resistance according to the value(s) in the table below.

**Standard:**

| Terminals                     | Wiring Color | Condition        | Specified Condition |
|-------------------------------|--------------|------------------|---------------------|
| B11-18 (CANH) – B11-19 (CANL) | B – W        | Power Switch OFF | 108 to 132 Ω        |
| B11-18 (CANH) – B11-12 (GND)  | B – W-B      | Power Switch OFF | 1 kΩ or more        |
| B11-19 (CANL) – B11-12 (GND)  | W – W-B      | Power Switch OFF | 1 kΩ or more        |
| B11-18 (CANH) – B11-1 (AM)    | B – G        | Power Switch OFF | 1 MΩ or more        |
| B11-19 (CANL) – B11-1 (AM)    | W – G        | Power Switch OFF | 1 MΩ or more        |

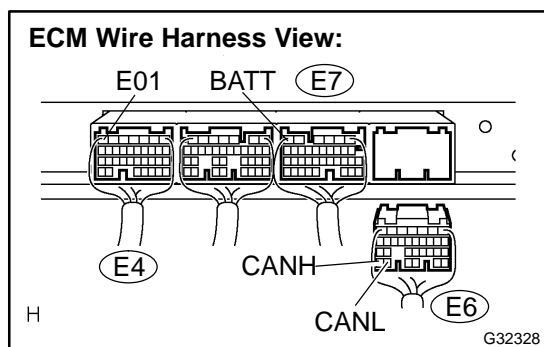
4. ECM

- (a) Measure the resistance according to the value(s) in the table below.



**Standard:**

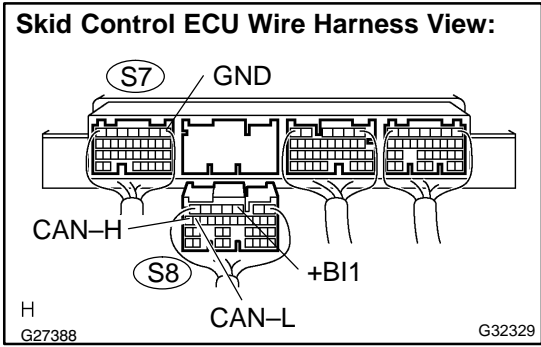
| Terminals                   | Condition        | Specified Condition |
|-----------------------------|------------------|---------------------|
| E6-31 (CANH) - E6-30 (CANL) | Power Switch OFF | 108 to 132 Ω        |



- (b) Measure the resistance according to the value(s) in the table below.

**Standard:**

| Terminals                   | Wiring Color | Condition        | Specified Condition |
|-----------------------------|--------------|------------------|---------------------|
| E6-31 (CANH) - E6-30 (CANL) | B - W        | Power Switch OFF | 108 to 132 Ω        |
| E6-31 (CANH) - E4-7 (E01)   | B - BR       | Power Switch OFF | 1 kΩ or more        |
| E6-30 (CANL) - E4-7 (E01)   | W - BR       | Power Switch OFF | 1 kΩ or more        |
| E6-31 (CANH) - E7-6 (BATT)  | B - R        | Power Switch OFF | 1 MΩ or more        |
| E6-30 (CANL) - E7-6 (BATT)  | W - R        | Power Switch OFF | 1 MΩ or more        |

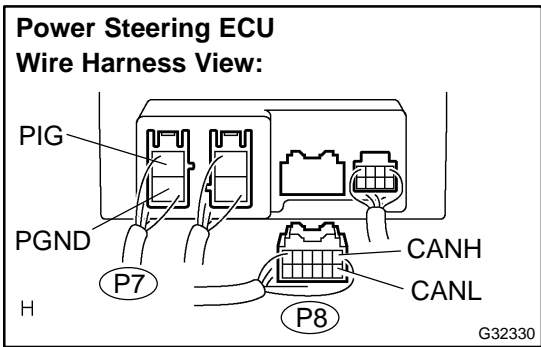


**5. SKID CONTROL ECU**

- (a) Measure the resistance according to the value(s) in the table below.

**Standard:**

| Terminals                     | Wiring Color | Condition        | Specified Condition |
|-------------------------------|--------------|------------------|---------------------|
| S8-19 (CAN-H) – S8-18 (CAN-L) | B – W        | Power Switch OFF | 54 to 69 Ω          |
| S8-19 (CAN-H) – S7-1 (GND)    | B – W        | Power Switch OFF | 1 kΩ or more        |
| S8-18 (CAN-L) – S7-1 (GND)    | W – W        | Power Switch OFF | 1 kΩ or more        |
| S8-19 (CAN-H) – S8-3 (+B1)    | B – B        | Power Switch OFF | 1 MΩ or more        |
| S8-18 (CAN-L) – S8-3 (+B1)    | W – B        | Power Switch OFF | 1 MΩ or more        |

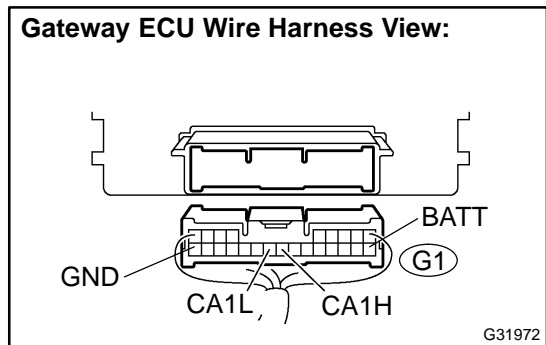


**6. POWER STEERING ECU**

- (a) Measure the resistance according to the value(s) in the table below.

**Standard:**

| Terminals                 | Wiring Color | Condition        | Specified Condition |
|---------------------------|--------------|------------------|---------------------|
| P8-1 (CANH) – P8-7 (CANL) | B – W        | Power Switch OFF | 54 to 69 Ω          |
| P8-1 (CANH) – P7-2 (PGND) | B – W-B      | Power Switch OFF | 1 kΩ or more        |
| P8-7 (CANL) – P7-2 (PGND) | W – W-B      | Power Switch OFF | 1 kΩ or more        |
| P8-1 (CANH) – P7-1 (PIG)  | B – W        | Power Switch OFF | 1 MΩ or more        |
| P8-7 (CANL) – P7-1 (PIG)  | W – W        | Power Switch OFF | 1 MΩ or more        |

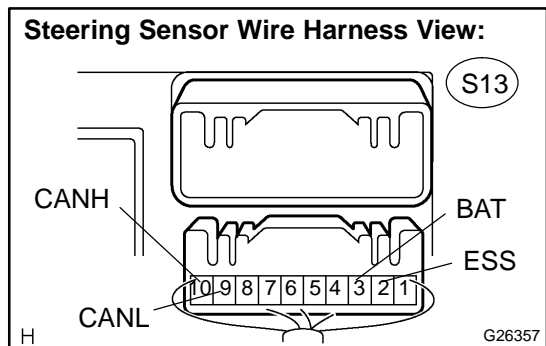


**7. GATEWAY ECU**

- (a) Measure the resistance according to the value(s) in the table below.

**Standard:**

| Terminals                   | Wiring Color | Condition        | Specified Condition |
|-----------------------------|--------------|------------------|---------------------|
| G1-17 (CA1H) – G1-18 (CA1L) | B – W        | Power Switch OFF | 54 to 69 Ω          |
| G1-17 (CA1H) – G1-24 (GND)  | B – W-B      | Power Switch OFF | 1 kΩ or more        |
| G1-18 (CA1L) – G1-24 (GND)  | W – W-B      | Power Switch OFF | 1 kΩ or more        |
| G1-17 (CA1H) – G1-10 (BATT) | B – Y        | Power Switch OFF | 1 MΩ or more        |
| G1-18 (CA1L) – G1-10 (BATT) | W – Y        | Power Switch OFF | 1 MΩ or more        |

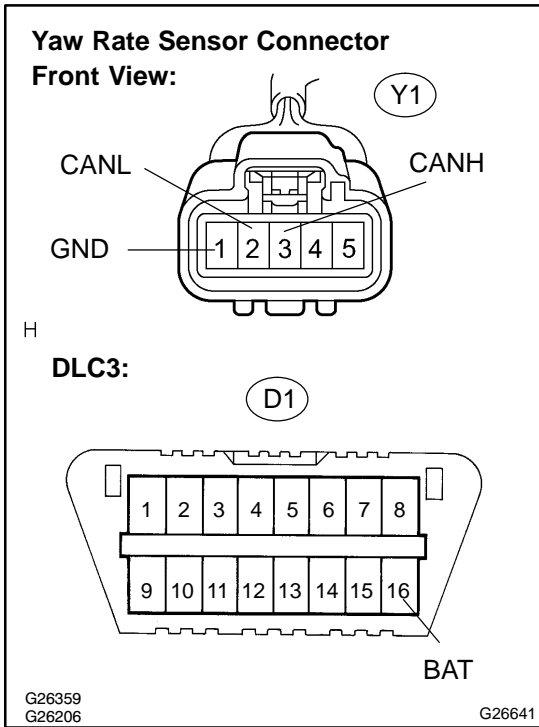


**8. STEERING SENSOR**

- (a) Measure the resistance according to the value(s) in the table below.

**Standard:**

| Terminals                    | Wiring Color | Condition        | Specified Condition |
|------------------------------|--------------|------------------|---------------------|
| S13-10 (CANH) – S13-9 (CANL) | B – W        | Power Switch OFF | 54 to 69 Ω          |
| S13-10 (CANH) – S13-2 (ESS)  | B – W-B      | Power Switch OFF | 1 kΩ or more        |
| S13-9 (CANL) – S13-2 (ESS)   | W – W-B      | Power Switch OFF | 1 kΩ or more        |
| S13-10 (CANH) – S13-3 (BAT)  | B – R        | Power Switch OFF | 1 MΩ or more        |
| S13-9 (CANL) – S13-3 (BAT)   | W – R        | Power Switch OFF | 1 MΩ or more        |



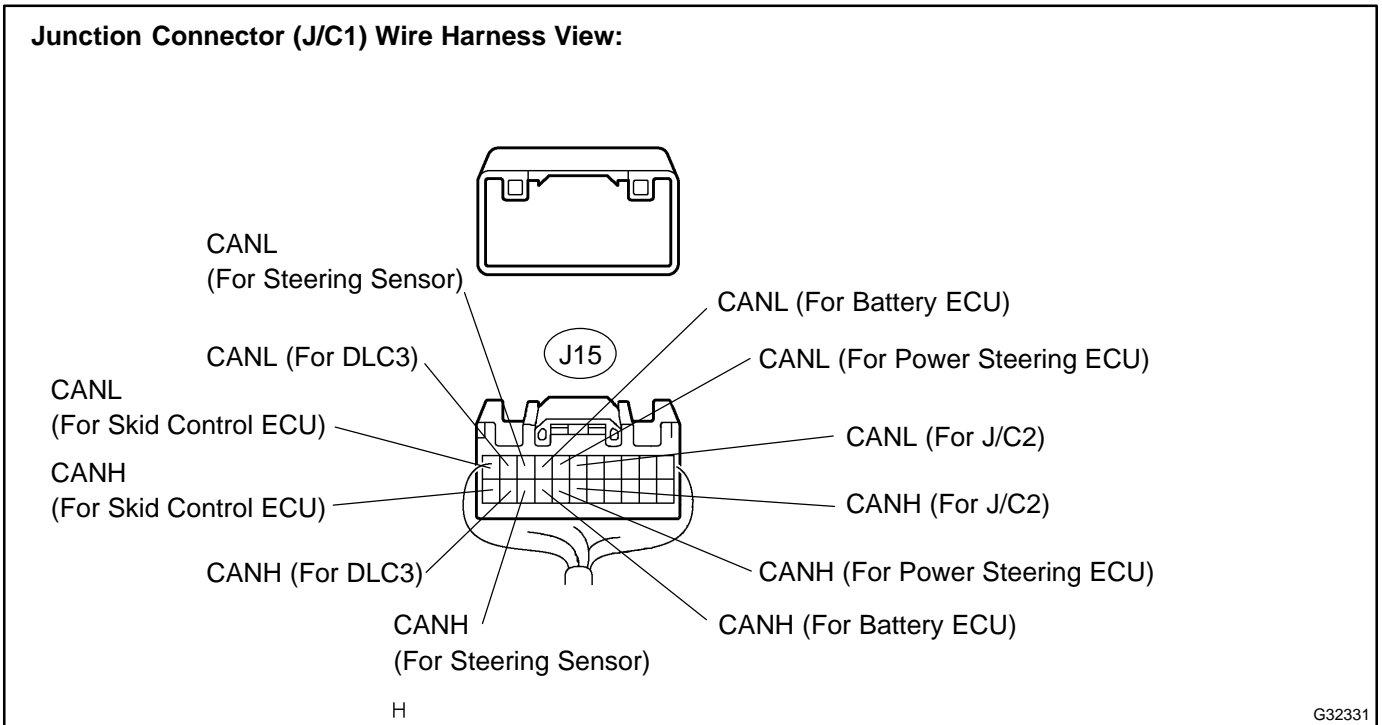
**9. YAW RATE SENSOR**

- (a) Measure the resistance according to the value(s) in the table below.

**Standard:**

| Terminals                 | Wiring Color | Condition        | Specified Condition |
|---------------------------|--------------|------------------|---------------------|
| Y1-3 (CANH) – Y1-2 (CANL) | B – W        | Power Switch OFF | 54 to 69 Ω          |
| Y1-3 (CANH) – Y1-1 (GND)  | B – W-B      | Power Switch OFF | 1 kΩ or more        |
| Y1-2 (CANL) – Y1-1 (GND)  | W – W-B      | Power Switch OFF | 1 kΩ or more        |
| Y1-3 (CANH) – D1-16 (BAT) | B – G        | Power Switch OFF | 1 MΩ or more        |
| Y1-2 (CANL) – D1-16 (BAT) | W – G        | Power Switch OFF | 1 MΩ or more        |

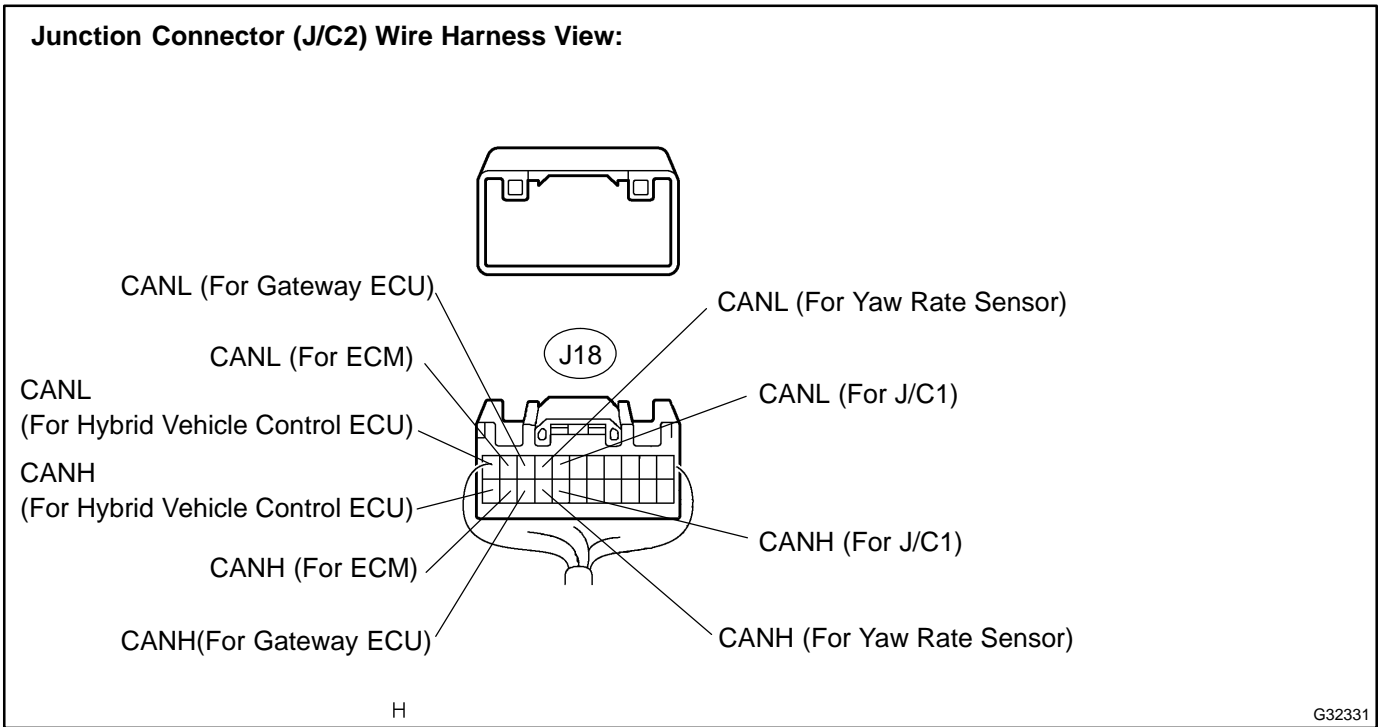
10. JUNCTION CONNECTOR (J/C1)



(a) Terminal arrangement and connection

| Terminals     | Connects to               |
|---------------|---------------------------|
| J15-6 (CANL)  | J/C2 (CANL)               |
| J15-17 (CANH) | J/C2 (CANH)               |
| J15-7 (CANL)  | Power Steering ECU (CANL) |
| J15-18 (CANH) | Power Steering ECU (CANH) |
| J15-8 (CANL)  | Battery ECU (CANL)        |
| J15-19 (CANH) | Battery ECU (CANH)        |
| J15-9 (CANL)  | Steering Sensor (CANL)    |
| J15-20 (CANH) | Steering Sensor (CANH)    |
| J15-10 (CANL) | DLC3 (CANL)               |
| J15-21 (CANH) | DLC3 (CANH)               |
| J15-11 (CANL) | Skid Control ECU (CANL)   |
| J15-22 (CANH) | Skid Control ECU (CANH)   |

11. JUNCTION CONNECTOR (J/C2)



(a) Terminal arrangement and connection

| Terminals     | Connects to                       |
|---------------|-----------------------------------|
| J18-7 (CANL)  | J/C1 (CANL)                       |
| J18-18 (CANH) | J/C1 (CANH)                       |
| J18-8 (CANL)  | Yaw Rate Sensor (CANL)            |
| J18-19 (CANH) | Yaw Rate Sensor (CANH)            |
| J18-9 (CANL)  | Gateway ECU (CANL)                |
| J18-20 (CANH) | Gateway ECU (CANH)                |
| J18-10 (CANL) | ECM (CANL)                        |
| J18-21 (CANH) | ECM (CANH)                        |
| J18-11 (CANL) | Hybrid Vehicle Control ECU (CANL) |
| J18-22 (CANH) | Hybrid Vehicle Control ECU (CANH) |