Multiplex Communication System – CAN

S 9  Steering Sensor
CANL  CANH
9  10
L–W  Y–B
ST–Plug

E 7  Engine Control Module
CANL  CANH
34  33
W  W

Y 1  Yaw Rate Sensor
CANL  CANH
2  3
L  Y

J 6(A)  Junction Connector
J 7(B)  Junction Connector
J 8(C)  Junction Connector
J 9(D)  Junction Connector
J 10(E)  Junction Connector
J 11(F)  Junction Connector

S 1(A)  Skid Control ECU with Actuator
CANL  CANH
25  14
2  1
W–L  B–W

D 4  Data Link Connector 3
CANL  CANH
6  5
14  15

J13  Junction Connector
Multiplex communication system (CAN) uses a serial communication protocol and communicates with a differential voltage. In this network system, TERMINALS CANH and CANL are used for communication between the ECUs and sensors, and excellent data communication speed and communication error detecting facility are provided.

This system is working for the following systems:
- ABS (w/ VSC)
- Auto LSD
- Cruise Control
- Downhill Assist Control
- Electronically Controlled Transmission and A/T Indicator
- Engine Control
- Hill-Start Assist Control
- TRAC
- VSC

**System Outline**

**Parts Location**

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>D4</td>
<td>44</td>
<td>J9</td>
<td>D</td>
<td>45</td>
<td>S1</td>
</tr>
<tr>
<td>E7</td>
<td>44</td>
<td>J10</td>
<td>E</td>
<td>45</td>
<td>S9</td>
</tr>
<tr>
<td>J6</td>
<td>A</td>
<td>45</td>
<td>J11</td>
<td>F</td>
<td>45</td>
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<tr>
<td>J7</td>
<td>B</td>
<td>45</td>
<td>J13</td>
<td>45</td>
<td>Y1</td>
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<tr>
<td>J8</td>
<td>C</td>
<td>45</td>
<td>S1</td>
<td>A</td>
<td>45</td>
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</tbody>
</table>

**Connector Joining Wire Harness and Wire Harness**

<table>
<thead>
<tr>
<th>Code</th>
<th>See Page</th>
<th>Joining Wire Harness and Wire Harness (Connector Location)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA3</td>
<td>54</td>
<td>Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)</td>
</tr>
<tr>
<td>IE1</td>
<td>54</td>
<td>Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)</td>
</tr>
</tbody>
</table>

**Ground Points**

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<thead>
<tr>
<th>Code</th>
<th>See Page</th>
<th>Ground Points Location</th>
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</thead>
<tbody>
<tr>
<td>IE</td>
<td>54</td>
<td>Right Kick Panel</td>
</tr>
</tbody>
</table>

* 1 : Double Cab  * 2 : Access Cab  * 3 : Regular Cab  * 4 : Separate Seat  * 5 : Bench Seat