WIPER SWITCH

COMPONENTS

UPPER STEERING COLUMN COVER

WINDSHIELD WIPER SWITCH

LOWER STEERING COLUMN COVER
WIPER AND WASHER – WIPER SWITCH

REMOVAL
1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL
2. REMOVE LOWER STEERING COLUMN COVER (See page SR-8)
3. REMOVE UPPER STEERING COLUMN COVER (See page SR-8)
4. REMOVE WINDSHIELD WIPER SWITCH
   (a) Disconnect the connector.
   (b) Remove the 2 screws and the windshield wiper switch.

INSPECTION
1. INSPECT WINDSHIELD WIPER SWITCH
   (a) Check the resistance.
      (1) Measure the resistance and check the results in accordance with the value(s) in the tables below.
      Standard Resistance:
      Front Wiper Switch

<table>
<thead>
<tr>
<th>Tester Connection</th>
<th>Condition</th>
<th>Specified Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>+S (16) - +1 (7)</td>
<td>OFF</td>
<td>Below 1 Ω</td>
</tr>
<tr>
<td>+S (16) - +1 (7)</td>
<td>INT</td>
<td></td>
</tr>
<tr>
<td>+B (17) - +1 (7)</td>
<td>LO</td>
<td></td>
</tr>
<tr>
<td>+B (17) - +2 (8)</td>
<td>HI</td>
<td></td>
</tr>
</tbody>
</table>

   If the result is not as specified, replace the wiper switch.
   Standard Resistance:
   Front Washer Switch

<table>
<thead>
<tr>
<th>Tester Connection</th>
<th>Condition</th>
<th>Specified Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>EW (2) - WF (11)</td>
<td>OFF</td>
<td>10 kΩ or higher</td>
</tr>
<tr>
<td>EW (2) - WF (11)</td>
<td>ON</td>
<td>Below 1 Ω</td>
</tr>
</tbody>
</table>

   If the result is not as specified, replace the wiper switch.
   Standard Resistance (w/ Rear wiper):
   Rear Wiper and Washer Switch

<table>
<thead>
<tr>
<th>Tester Connection</th>
<th>Condition</th>
<th>Specified Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>EW (2) - WR (12)</td>
<td>WASH (Rear wiper switch OFF)</td>
<td>Below 1 Ω</td>
</tr>
<tr>
<td>EW (2) - WR (12)</td>
<td>OFF</td>
<td>10 kΩ or higher</td>
</tr>
<tr>
<td>EW (2) - +1R (10)</td>
<td>LO</td>
<td>Below 1 Ω</td>
</tr>
<tr>
<td>EW (2) - +1R (10)</td>
<td>HI</td>
<td>Below 1 Ω</td>
</tr>
</tbody>
</table>
If the result is not as specified, replace the wiper switch.

(b) Check the intermittent operation.

1. Connect the positive (+) voltmeter terminal to terminal 7 (+1) and the negative (-) voltmeter terminal to terminal 2 (EW).
2. Connect the positive (+) battery lead to terminal 18 (+B) and the negative (-) battery lead to terminals 2 (EW) and 9 (+S).
3. Turn the wiper switch to the INT position.
4. Connect the positive (+) battery lead to terminal 16 (+S) for 5 seconds.
5. Connect the negative (-) battery lead to terminal 16 (+S). Operate the intermittent wiper relay and check the voltage between terminals 7 (+1) and 2 (EW).

**Standard:**
Refer to the illustration below.

(c) Check the operation (front washer).

1. Turn the wiper switch off.
2. Connect the positive (+) battery lead to terminal 18 (+B) and the negative (-) battery lead to terminals 16 (+S) and 2 (EW).
3. Connect the positive (+) voltmeter terminal to terminal 7 (+1) and the negative (-) voltmeter terminal to terminal 2 (EW). Turn the washer switch on and off, and check the voltage between terminals 7 (+1) and 2 (EW).

**Standard:**
Refer to the illustration below.
If the result is not as specified, replace the windshield wiper switch.

**INSTALLATION**

1. **INSTALL WINDSHIELD WIPER SWITCH**
   (a) Install the wiper switch with the 2 screws.
   (b) Connect the connector.

2. **INSTALL UPPER STEERING COLUMN COVER (See page SR-17)**

3. **INSTALL LOWER STEERING COLUMN COVER (See page SR-18)**

4. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
   Torque: 3.9 N·m (40 kgf·cm, 35 in.*lb)