

## 4. Keyless Entry System

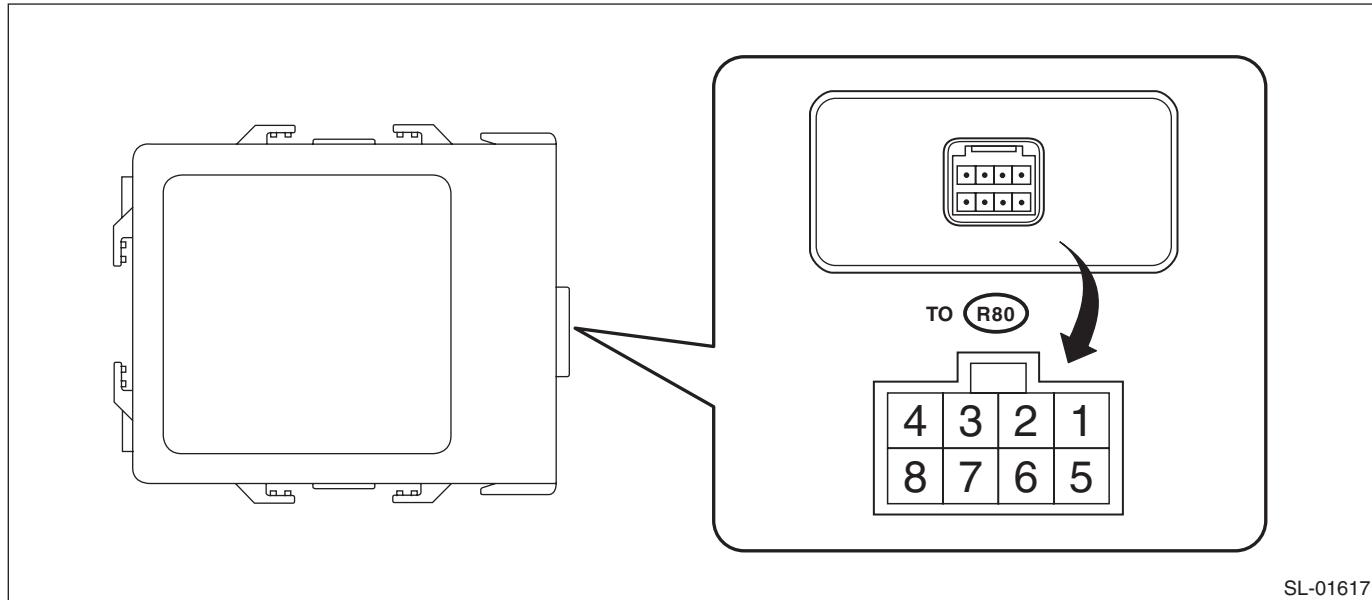
### A: WIRING DIAGRAM

Refer to "Keyless Entry System" in the wiring diagram. <Ref. to WI-104, WIRING DIAGRAM, Keyless Entry System.>

### B: ELECTRICAL SPECIFICATION

#### 1. KEYLESS ENTRY CONTROL MODULE

- Model without tire pressure monitoring system

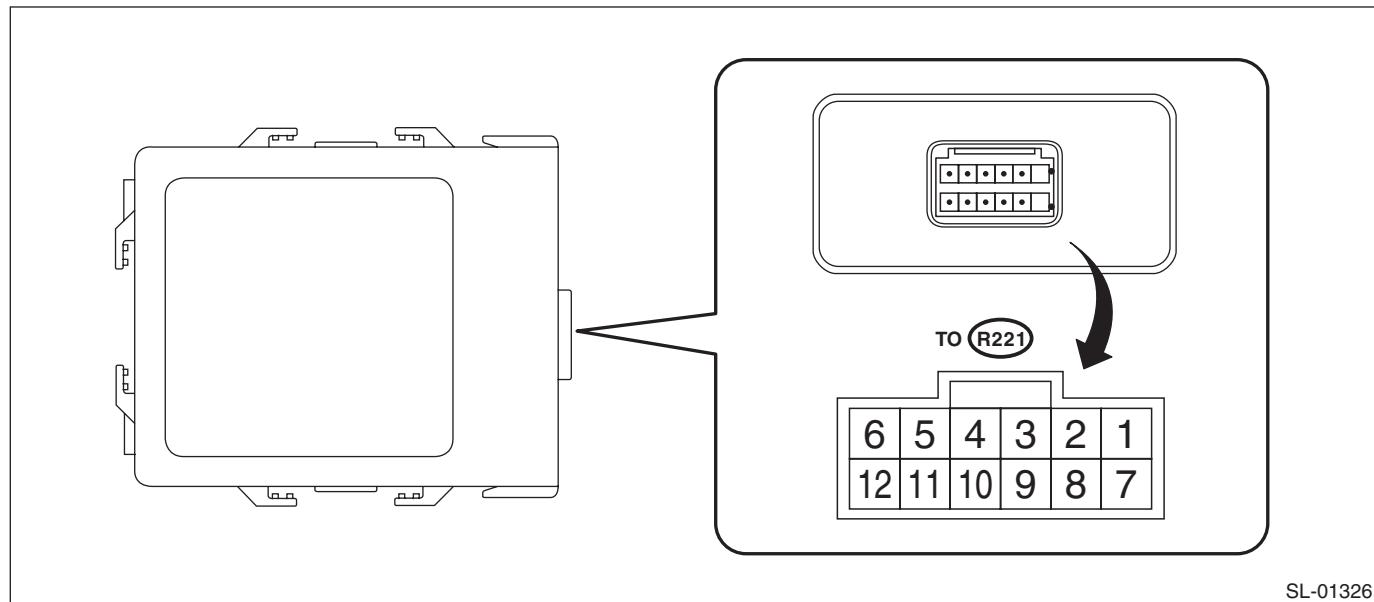


Terminal No.	Item	Measuring condition	Standard
3 (U-ART com.)	—	Cannot be measured	—
4 (+B) ↔ Chassis ground	Voltage	Always	10 — 14 V
7 (GND) ↔ Chassis ground	Resistance	Always	Less than 1 Ω

# Keyless Entry System

## SECURITY AND LOCKS

- Model with tire pressure monitoring system



Terminal No.	Item	Measuring condition	Standard
4 (IG) $\leftrightarrow$ Chassis ground	Resistance	IG OFF $\rightarrow$ ON	0 V $\rightarrow$ 10 — 14 V
5 (GND) $\leftrightarrow$ Chassis ground	Resistance	Always	Less than 1 $\Omega$
6 (+B) $\leftrightarrow$ Chassis ground	Voltage	Always	10 — 14 V
11 (U-ART com.)	—	Cannot be measured	—

## 2. BODY INTEGRATED UNIT

Refer to “Control Module I/O Signal” of “BODY CONTROL SYSTEM (DIAGNOSTICS)” section. <Ref. to BC(diag)-6, ELECTRICAL SPECIFICATION, Control Module I/O Signal.>

### C: INSPECTION

#### 1. SYMPTOM CHART

Symptoms	Repair order	Reference
None of the functions of the keyless entry system operate.	<ol style="list-style-type: none"> <li>1. Check the keyless transmitter battery.</li> <li>2. Remove and visually inspect the following fuses.           <ul style="list-style-type: none"> <li>• No. 3 (in fuse &amp; relay box)</li> <li>• No. 7 (in fuse &amp; relay box)</li> <li>• No. 8 (in main fuse box)</li> </ul> </li> <li>3. Check the keyless entry control module.</li> <li>4. Check the power supply and ground circuit for body integrated unit.</li> <li>5. Check the key warning switch.</li> <li>6. Check the door switch signal.</li> <li>7. Check the body integrated unit.</li> </ol>	<p>&lt;Ref. to SL-18, CHECK KEYLESS TRANSMITTER BATTERY AND FUNCTION, INSPECTION, Keyless Entry System.&gt;</p> <p>If the fuse is blown out, replace the fuse with a new part. When there is no defective with the fuse, check the power supply and ground circuit. &lt;Ref. to SL-10, CHECK POWER SUPPLY AND GROUND CIRCUIT, INSPECTION, Door Lock Control System.&gt;</p> <p>&lt;Ref. to SL-19, CHECK KEYLESS ENTRY CONTROL MODULE, INSPECTION, Keyless Entry System.&gt;</p> <p>&lt;Ref. to SL-19, CHECK BODY INTEGRATED UNIT POWER SUPPLY AND GROUND CIRCUIT, INSPECTION, Keyless Entry System.&gt;</p> <p>&lt;Ref. to SL-22, CHECK KEY WARNING SWITCH, INSPECTION, Keyless Entry System.&gt;</p> <p>&lt;Ref. to SL-20, CHECK DOOR SWITCH, INSPECTION, Keyless Entry System.&gt;</p> <p>&lt;Ref. to BC(diag)-2, Basic Diagnostic Procedure.&gt;</p>
The keyless transmitter cannot be registered.	<ol style="list-style-type: none"> <li>1. Check the keyless transmitter battery.</li> <li>2. Check the key warning switch.</li> <li>3. Check the keyless entry control module.</li> <li>4. Check the body integrated unit.</li> </ol>	<p>&lt;Ref. to SL-18, CHECK KEYLESS TRANSMITTER BATTERY AND FUNCTION, INSPECTION, Keyless Entry System.&gt;</p> <p>&lt;Ref. to SL-22, CHECK KEY WARNING SWITCH, INSPECTION, Keyless Entry System.&gt;</p> <p>&lt;Ref. to SL-19, CHECK KEYLESS ENTRY CONTROL MODULE, INSPECTION, Keyless Entry System.&gt;</p> <p>&lt;Ref. to BC(diag)-2, Basic Diagnostic Procedure.&gt;</p>
Door lock or unlock does not operate.  NOTE: If the door lock control system does not operate when using the door lock switch, check the door lock control system. <Ref. to SL-10, INSPECTION, Door Lock Control System.>	<ol style="list-style-type: none"> <li>1. Check the keyless transmitter battery.</li> <li>2. Check the key warning switch.</li> <li>3. Check the keyless entry control module.</li> <li>4. Check the body integrated unit.</li> </ol>	<p>&lt;Ref. to SL-18, CHECK KEYLESS TRANSMITTER BATTERY AND FUNCTION, INSPECTION, Keyless Entry System.&gt;</p> <p>&lt;Ref. to SL-22, CHECK KEY WARNING SWITCH, INSPECTION, Keyless Entry System.&gt;</p> <p>&lt;Ref. to SL-19, CHECK KEYLESS ENTRY CONTROL MODULE, INSPECTION, Keyless Entry System.&gt;</p> <p>&lt;Ref. to BC(diag)-2, Basic Diagnostic Procedure.&gt;</p>
The keyless buzzer and hazard light do not operate.	<ol style="list-style-type: none"> <li>1. Check the keyless buzzer operation.</li> <li>2. Check the hazard light operation.</li> <li>3. Check the body integrated unit.</li> </ol>	<p>&lt;Ref. to SL-25, CHECK KEYLESS BUZZER, INSPECTION, Keyless Entry System.&gt;</p> <p>&lt;Ref. to SL-24, CHECK HAZARD LIGHT OPERATION, INSPECTION, Keyless Entry System.&gt;</p> <p>&lt;Ref. to BC(diag)-2, Basic Diagnostic Procedure.&gt;</p>
Room light does not operate.	<ol style="list-style-type: none"> <li>1. Check the room light operation.</li> <li>2. Check the body integrated unit.</li> </ol>	<p>&lt;Ref. to SL-23, CHECK ROOM LIGHT OPERATION, INSPECTION, Keyless Entry System.&gt;</p> <p>&lt;Ref. to BC(diag)-2, Basic Diagnostic Procedure.&gt;</p>
Ignition switch illumination does not operate.	<ol style="list-style-type: none"> <li>1. Check the ignition switch illumination.</li> <li>2. Check the body integrated unit.</li> </ol>	<p>&lt;Ref. to SL-26, CHECK IGNITION SWITCH ILLUMINATION, INSPECTION, Keyless Entry System.&gt;</p> <p>&lt;Ref. to BC(diag)-2, Basic Diagnostic Procedure.&gt;</p>

# Keyless Entry System

## SECURITY AND LOCKS

### 2. CHECK KEYLESS TRANSMITTER BATTERY AND FUNCTION

#### CAUTION:

Be sure to reset keyless transmitter of other vehicles registered to the inspection target vehicle, and vehicles to which keyless transmitters were registered for inspection, to the condition before performing the inspection. (Re-register the keyless transmitters.)

Step	Check	Yes	No
1 <b>CHECK KEYLESS TRANSMITTER BATTERY.</b> 1) Remove the battery from the keyless transmitter. <Ref. to SL-81, REMOVAL, Keyless Transmitter.> 2) Check the battery voltage. <Ref. to SL-82, INSPECTION, Keyless Transmitter.>	Is the voltage 2.5 V or more?	Go to step 2.	Replace the keyless transmitter battery.
2 <b>CHECK KEYLESS TRANSMITTER.</b> Register the keyless transmitter which operates normally on other vehicles to the inspection target vehicle. <Ref. to SL-83, REGISTRATION OF KEYLESS TRANSMITTER WITH SUBARU SELECT MONITOR, REPLACEMENT, Keyless Transmitter.> 1) Close all the doors and rear gate (5 door model/XV model) or trunk lid (4 door model) of the inspection target vehicle. 2) Using the keyless transmitter, lock and unlock the doors and rear gate of vehicle. For the 4 door model, unlock the trunk lid.	Can lock, unlock of doors and unlock of the trunk lid be performed properly on the inspection target vehicle?	Go to step 3.	Due to vehicle malfunction, continue the keyless entry system diagnosis.
3 <b>CHECK KEYLESS TRANSMITTER.</b> Register the keyless transmitter of the inspected vehicle to another vehicle whose keyless system operates normally. <Ref. to SL-83, REGISTRATION OF KEYLESS TRANSMITTER WITH SUBARU SELECT MONITOR, REPLACEMENT, Keyless Transmitter.>	Is the keyless transmitter registered correctly?	Go to step 4.	Replace the keyless transmitter and perform registration.
4 <b>CHECK KEYLESS TRANSMITTER.</b> Check the registered keyless transmitter. 1) Close all the doors and rear gate (5 door model/XV model) or trunk lid (4 door model) of the vehicle on which the keyless system works normally. 2) Using the keyless transmitter, lock and unlock the doors and rear gate of vehicle. For the 4 door model, unlock the trunk lid.	Can lock, unlock of doors and unlock of the trunk lid be performed properly on the vehicle?	Keyless transmitter is OK.	Replace the keyless transmitter and perform registration.

### 3. CHECK KEYLESS ENTRY CONTROL MODULE

Step	Check	Yes	No
1 <b>CHECK BODY INTEGRATED UNIT.</b> Read the DTC using Subaru Select Monitor. <b>NOTE:</b> For detailed procedures, refer to "PC application help for Subaru Select Monitor".	Is DTC B1500 "Keyless UART com. Malfunction" displayed?	Go to step 2.	Keyless entry control module is normal.
2 <b>CHECK POWER SUPPLY.</b> 1) Disconnect the keyless entry control module connector. 2) Measure the voltage between keyless entry control module connector and chassis ground. <b>Connector &amp; terminal</b> <b>Model without tire pressure monitoring system</b> <i>(R80) No. 4 (+) — Chassis ground (-):</i> <b>Model with tire pressure monitoring system</b> <i>(R221) No. 6 (+) — Chassis ground (-):</i>	Is the voltage 10 V or more?	Go to step 3.	Check the harness for open or short circuits between the keyless entry control module and the fuse.
3 <b>CHECK GROUND CIRCUIT.</b> Measure the resistance between keyless entry control module connector and chassis ground. <b>Connector &amp; terminal</b> <b>Model without tire pressure monitoring system</b> <i>(R80) No. 7 — Chassis ground:</i> <b>Model with tire pressure monitoring system</b> <i>(R221) No. 5 — Chassis ground:</i>	Is the resistance less than 10 $\Omega$ ?	Go to step 4.	Repair or replace the harness.
4 <b>CHECK KEYLESS ENTRY CONTROL MODULE CIRCUIT.</b> 1) Disconnect the body integrated unit connector. 2) Check the harness between keyless entry control module and body integrated unit. <b>Connector &amp; terminal</b> <b>Model without tire pressure monitoring system</b> <i>(i171) No. 11 — (R80) No. 3:</i> <b>Model with tire pressure monitoring system</b> <i>(i171) No. 11 — (R221) No. 11:</i>	Is harness normal?	Replace the keyless entry control module.	Repair or replace the harness.

### 4. CHECK BODY INTEGRATED UNIT POWER SUPPLY AND GROUND CIRCUIT

Refer to the "INSPECTION of POWER SUPPLY AND GROUND CIRCUIT" of "Door Lock Control System" for detailed procedures. <Ref. to SL-10, CHECK POWER SUPPLY AND GROUND CIRCUIT, INSPECTION, Door Lock Control System.>

# Keyless Entry System

## SECURITY AND LOCKS

### 5. CHECK DOOR SWITCH

Step	Check	Yes	No
<b>1 CHECK CURRENT DATA.</b> Display the following items using Subaru Select Monitor. <ul style="list-style-type: none"> <li>• «Driver's door SW input»</li> <li>• «P-door SW input»</li> <li>• «Rear right door SW input»</li> <li>• «Rear left door SW input»</li> <li>• «R Gate SW input»</li> </ul> NOTE: For detailed procedures, refer to "PC application help for Subaru Select Monitor".	Does the display switch between OFF $\longleftrightarrow$ ON when each door, rear gate, or trunk lid is opened/closed?	The door switches, trunk lid latch switch or rear gate latch switch are normal.	Go to step 2.
<b>2 CHECK HARNESS.</b> 1) Disconnect the connector of body integrated unit. 2) Disconnect the connector of the door switch, trunk lid latch switch or rear gate latch switch that the display does not change. 3) Check the harness between body integrated unit and defective switch. <b>Connector &amp; terminal</b> <b>Front door LH</b> (i84) No. 14 — (R9) No. 1: <b>Front door RH</b> (i84) No. 13 — (R12) No. 1: <b>Rear door LH</b> (i84) No. 24 — (R22) No. 1: <b>Rear door RH</b> (i84) No. 25 — (R16) No. 1: <b>Trunk lid</b> (i84) No. 33 — (R186) No. 3: <b>Rear gate</b> (i84) No. 33 — (D46) No. 3:	Is harness normal?	Go to step 3.	Repair or replace the harness.
<b>3 CHECK HARNESS.</b> Measure the resistance between the faulty switch connector and chassis ground. <b>Connector &amp; terminal</b> <b>Front door LH</b> (R9) No. 3 — <b>Chassis ground</b> : <b>Front door RH</b> (R12) No. 3 — <b>Chassis ground</b> : <b>Rear door LH</b> (R22) No. 3 — <b>Chassis ground</b> : <b>Rear door RH</b> (R16) No. 3 — <b>Chassis ground</b> : <b>Trunk lid</b> (R186) No. 2 — <b>Chassis ground</b> : <b>Rear gate</b> (D46) No. 4 — <b>Chassis ground</b> :	Is the resistance less than 10 $\Omega$ ?	Go to step 4.	Repair or replace the harness.

# Keyless Entry System

## SECURITY AND LOCKS

Step	Check	Yes	No
4 <b>CHECK DOOR SWITCH.</b> Measure the resistance between faulty switch terminals. <i>Terminals</i> <i>Front LH door switch</i> <i>No. 1 — No. 3:</i> <i>Front RH door switch</i> <i>No. 1 — No. 3:</i> <i>Rear LH door switch</i> <i>No. 1 — No. 3:</i> <i>Rear RH door switch</i> <i>No. 1 — No. 3:</i> <i>Trunk lid latch switch</i> <i>No. 3 — No. 2:</i> <i>Rear gate latch switch</i> <i>No. 3 — No. 4:</i>	Is the resistance 1 MΩ or more when the door switch is pushed, or the trunk lid or rear gate is closed?	Replace the body integrated unit. <Ref. to SL-78, Body Integrated Unit.>	Replace the faulty parts. • Door switches • Trunk lid latch and actuator ASSY • Rear gate latch and actuator ASSY

# Keyless Entry System

## SECURITY AND LOCKS

### 6. CHECK KEY WARNING SWITCH

Step	Check	Yes	No
1 <b>CHECK CURRENT DATA.</b> Using the Subaru Select Monitor, display the data of «key-lock warning SW». NOTE: For detailed procedures, refer to “PC application help for Subaru Select Monitor”.	Is the normal input signal displayed when the key is inserted in/removed from the ignition switch?	The key warning switch is OK. Go to step 2.	
2 <b>CHECK FUSE.</b> Remove and visually check fuse No. 14 (in the main fuse box).	Is the fuse blown out?	Replace the fuse with a new part. Go to step 3.	
3 <b>CHECK KEY WARNING SWITCH CIRCUIT.</b> 1) Disconnect the connector of body integrated unit. 2) Insert the key into ignition switch. (LOCK position) 3) Measure the voltage between the body integrated unit connector and chassis ground. <i>Connector &amp; terminal</i> <i>(B280) No. 4 (+) — Chassis ground (-):</i>	Is the voltage 9 V or more?	Go to step 4. Go to step 5.	
4 <b>CHECK KEY WARNING SWITCH CIRCUIT.</b> 1) Remove the key from ignition switch. 2) Measure the voltage between the body integrated unit connector and chassis ground. <i>Connector &amp; terminal</i> <i>(B280) No. 4 (+) — Chassis ground (-):</i>	Is the voltage less than 1.5 V?	The key warning switch is OK. Go to step 5.	
5 <b>CHECK KEY WARNING SWITCH.</b> 1) Disconnect the connector of key warning switch. 2) Insert the key into ignition switch. (LOCK position) 3) Measure the resistance between key warning switch terminals. <i>Terminals</i> <i>No. 1 — No. 2:</i>	Is the resistance less than 1 $\Omega$ ?	Go to step 6. Replace the key warning switch.	
6 <b>CHECK KEY WARNING SWITCH.</b> 1) Remove the key from ignition switch. 2) Measure the resistance between key warning switch terminals. <i>Terminals</i> <i>No. 1 — No. 2:</i>	Is the resistance 1 $M\Omega$ or more?	Check the following: • Harness for open circuits and shorts between the key warning switch and fuse. • Harness for open or short between the body integrated unit and key warning switch	Replace the key warning switch.

### 7. CHECK ROOM LIGHT OPERATION

Step	Check	Yes	No
1 <b>CHECK ROOM LIGHT OPERATION.</b> Make sure the room light illuminates when the room light switch is ON, and goes off when the switch is OFF.	Does the room light illuminate or go off?	Go to step 2.	Check the room light circuit. <Ref. to LI-81, INSPECTION, Room Light.>
2 <b>CHECK ROOM LIGHT OPERATION.</b> 1) Turn the room light switch to the "DOOR" position. 2) Open and close any door.	Does the room light illuminate ←→ go off (including off delay) when the door is opened and closed?	Go to step 3.	Go to step 4.
3 <b>CHECK KEYLESS ENTRY OPERATION.</b> Press the LOCK/UNLOCK button of the keyless transmitter.	Does it operate properly?	Room light is normal.	Check keyless entry system. <Ref. to SL-17, SYMPTOM CHART, INSPECTION, Keyless Entry System.>
4 <b>CHECK ROOM LIGHT.</b> Check the room light. <Ref. to LI-81, INSPECTION, Room Light.>	Is room light normal?	Go to step 5.	Replace the bulb or room light assembly.
5 <b>CHECK HARNESS.</b> 1) Disconnect the connectors of body integrated unit and room light. 2) Check the harness between body integrated unit and room light. <i>Connector &amp; terminal (i84) No. 4 — (R52) No. 2:</i>	Is harness normal?	Go to step 6.	Repair or replace the harness.
6 <b>CHECK HARNESS.</b> Measure the voltage between the room light connector and chassis ground. <i>Connector &amp; terminal (R52) No. 3 (+) — Chassis ground (-):</i>	Is the voltage 10 V or more?	Replace the body integrated unit. <Ref. to SL-78, Body Integrated Unit.>	Repair or replace the harness.

# Keyless Entry System

## SECURITY AND LOCKS

### 8. CHECK HAZARD LIGHT OPERATION

Step	Check	Yes	No
1 <b>CHECK HAZARD LIGHT OPERATION.</b> Make sure the hazard light blinks when hazard switch is turned to ON.	Does the hazard light blink?	Go to step 2.	Check the hazard light circuit.
2 <b>CHECK BODY INTEGRATED UNIT SETTING.</b> Display the data of «Abnormal warning lamp flashing setting» using Subaru Select Monitor.  NOTE: For detailed procedures, refer to “PC application help for Subaru Select Monitor”.	Is the setting ON?	Go to step 3.	Turn the setting to ON.
3 <b>CHECK CURRENT DATA.</b> Display the data of «Hazard Output» using Subaru Select Monitor.	Is output signal present when operating the transmitter LOCK/UNLOCK button?	Go to step 4.	Go to step 5.
4 <b>CHECK KEYLESS ENTRY OPERATION.</b> Press the LOCK/UNLOCK button of the keyless transmitter.	Does it operate properly?	Replace the body integrated unit. <Ref. to SL-78, Body Integrated Unit.>	Check keyless entry system. <Ref. to SL-17, SYMPTOM CHART, INSPECTION, Keyless Entry System.>
5 <b>CHECK HAZARD LIGHT CIRCUIT.</b> 1) Disconnect the connectors of the body integrated unit and turn signal & hazard unit. 2) Check the harness between body integrated unit and turn signal & hazard unit.  <i>Connector &amp; terminal</i> (i171) No. 18 — (B32) No. 8:	Is harness normal?	Check body integrated unit. <Ref. to BC(diag)-2, Basic Diagnostic Procedure.>	Repair or replace the harness.

### 9. CHECK KEYLESS BUZZER

Step	Check	Yes	No
1 <b>CHECK BODY INTEGRATED UNIT SETTING.</b> Display the data of «Answer-back buzzer setup» using Subaru Select Monitor.  NOTE: For detailed procedures, refer to “PC application help for Subaru Select Monitor”.	Is the setting ON?	Go to step 2.	Turn the setting to ON.
2 <b>CHECK BODY INTEGRATED UNIT.</b> Select and perform the «Keyless Buzzer Output» using Subaru Select Monitor.	Does the keyless buzzer sound?	Check the keyless control module.	Go to step 3.
3 <b>CHECK KEYLESS BUZZER CIRCUIT.</b> 1) Turn the ignition switch to OFF. 2) Disconnect the connectors of the body integrated unit and keyless buzzer. 3) Check the harness between body integrated unit and keyless buzzer.  <i>Connector &amp; terminal</i> <i>(B280) No. 20 — (B164) No. 1:</i>	Is harness normal?	Go to step 4.	Repair or replace the harness.
4 <b>CHECK KEYLESS BUZZER CIRCUIT.</b> Measure the resistance between the keyless buzzer connector and chassis ground.  <i>Connector &amp; terminal</i> <i>(B164) No. 2 — Chassis ground:</i>	Is the resistance less than 10 Ω?	Go to step 5.	Repair or replace the harness.
5 <b>CHECK KEYLESS BUZZER.</b> 1) Remove the keyless buzzer. 2) Connect the battery positive (+) terminal to terminal No. 1 of the keyless buzzer, and the negative (−) terminal to terminal No. 2, and check whether or not the buzzer will sound.	Does the keyless buzzer sound?	Go to step 6.	Replace the keyless buzzer.
6 <b>CHECK BODY INTEGRATED UNIT.</b> 1) Select and perform the «Keyless Buzzer Output» using Subaru Select Monitor. 2) Measure the voltage between the body integrated unit connector and chassis ground.  <i>Connector &amp; terminal</i> <i>(B280) No. 20 (+) — Chassis ground (−):</i>	Is the voltage 9 V or more?	Go to step 7.	Replace the body integrated unit. <Ref. to SL-78, Body Integrated Unit.>
7 <b>CHECK OUTPUT OF BODY INTEGRATED UNIT.</b> From the condition in step 6), operate the LOCK/UNLOCK button.	Is output signal present when operating?	System is normal.	Inspect the keyless entry system. If there are no problems, replace the body integrated unit. • Inspection: <Ref. to SL-17, SYMP-TOM CHART, INSPECTION, Keyless Entry System.> • Replacement: <Ref. to SL-78, Body Integrated Unit.>

### 10. CHECK DOOR LOCK SWITCH

For operation procedures, refer to the “INSPECTION OF DOOR LOCK SWITCH” of the “Door Lock Control System”. <Ref. to SL-11, CHECK DOOR LOCK SWITCH, INSPECTION, Door Lock Control System.>

# Keyless Entry System

## SECURITY AND LOCKS

### 11.CHECK IGNITION SWITCH ILLUMINATION

Step	Check	Yes	No
<b>1 CHECK IGNITION CIRCUIT.</b> Check the ignition circuit. <Ref. to SL-30, CHECK IGNITION SWITCH CIRCUIT, INSPECTION, Security System.>	Is the switch circuit normal?	Go to step <b>2</b> .	Repair or replace.
<b>2 CHECK DOOR SWITCH CIRCUIT.</b> Inspect door switch circuit. <Ref. to SL-20, CHECK DOOR SWITCH, INSPECTION, Keyless Entry System.>	Is the switch circuit normal?	Go to step <b>3</b> .	Repair or replace.
<b>3 CHECK FUSE.</b> Remove and visually check fuse No. 14 (in the main fuse box).	Is the fuse blown out?	Replace the fuse with a new part.	Go to step <b>4</b> .
<b>4 CHECK HARNESS.</b> 1) Disconnect the ignition switch illumination connector.  NOTE: The ignition switch illumination is integrated into the immobilizer antenna. 2) Measure the voltage between ignition switch illumination connector and chassis ground.  <i>Connector &amp; terminal</i> <i>(B415) No. 2 (+) — Chassis ground (-):</i>	Is the voltage 10 V or more?	Go to step <b>5</b> .	Check the harness for open or short circuits between the ignition switch illumination and fuse.
<b>5 CHECK IGNITION SWITCH ILLUMINATION CIRCUIT.</b> 1) Disconnect the connector of body integrated unit. 2) Check the harness between body integrated unit and ignition switch illumination.  <i>Connector &amp; terminal</i> <i>(B280) No. 25 — (B415) No. 6:</i>	Is harness normal?	Go to step <b>6</b> .	Check the harness for open circuits and shorts between the body integrated unit and ignition switch illumination.
<b>6 CHECK IGNITION SWITCH ILLUMINATION BULB.</b> Apply battery voltage between terminals of the bulb.  <i>Terminals</i> <i>No. 2 (+) — No. 6 (-):</i>	Does the bulb illuminate?	Replace the body integrated unit. <Ref. to SL-78, Body Integrated Unit.>	Replace the immobilizer antenna. <Ref. to SL-85, REMOVAL, Immobilizer Antenna.>