

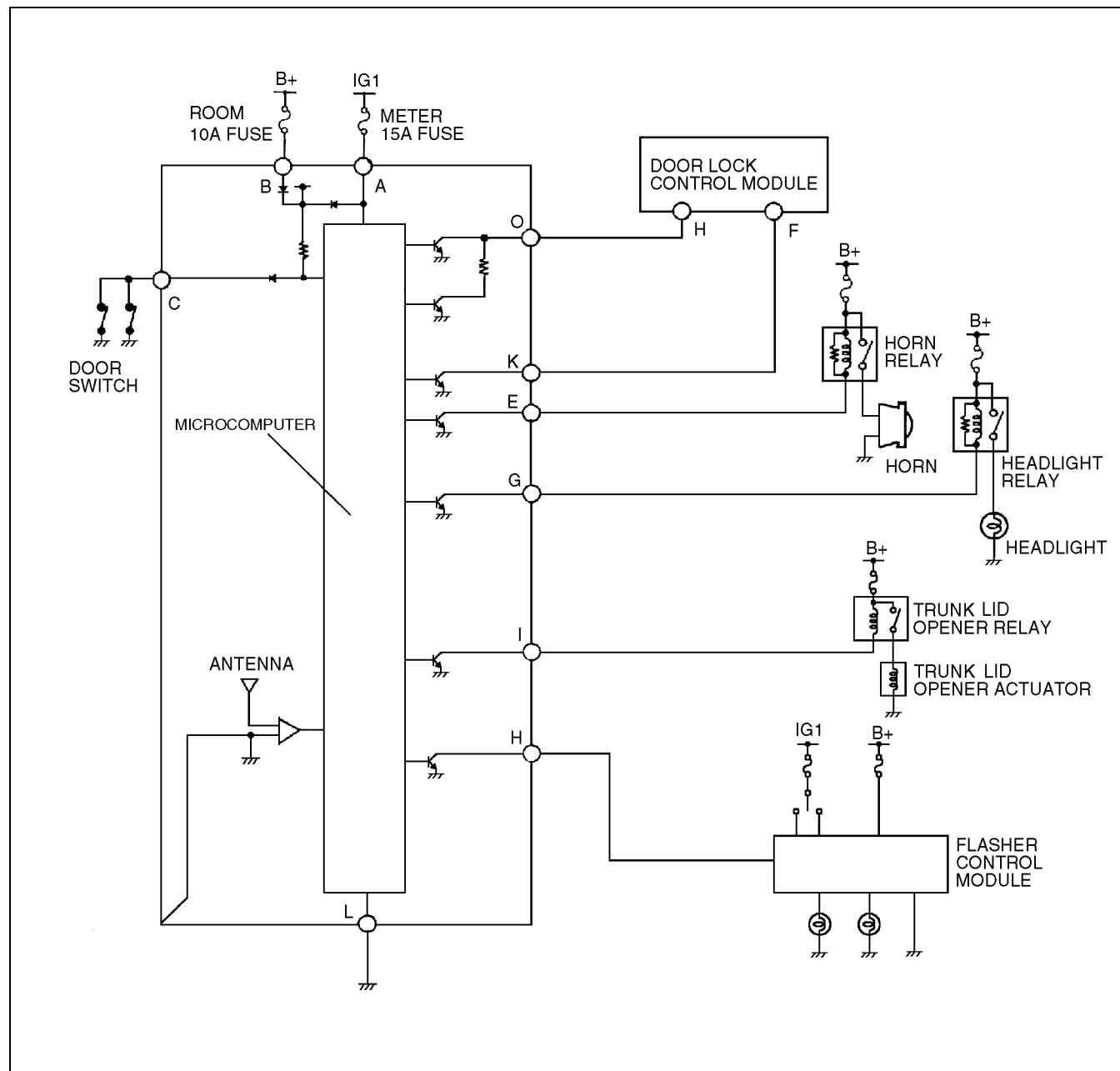
# 09-03A SYMPTOM TROUBLESHOOTING [POWER DOOR LOCK SYSTEM]

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## KEYLESS ENTRY SYSTEM WIRING DIAGRAM

A5U090369000W01



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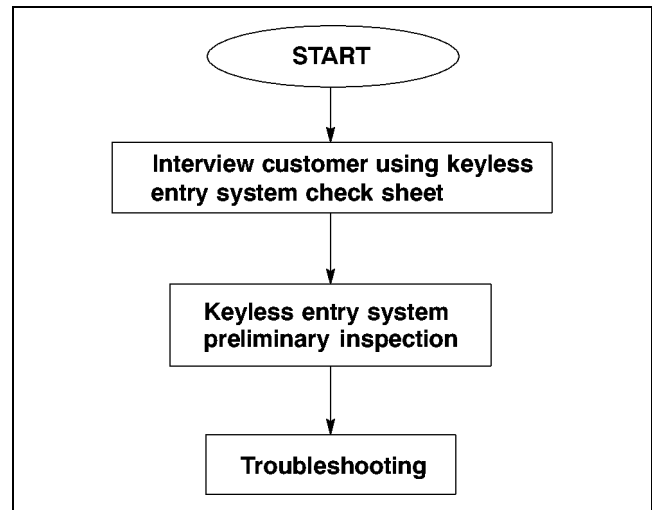
# SYMPTOM TROUBLESHOOTING [POWER DOOR LOCK SYSTEM]

## FOREWORD

A5U090369000W02

- Go to troubleshooting after identifying the specific malfunction by performing a keyless entry system preliminary inspection.

## Flowchart



ZLU0903W001

## SYMPTOM TROUBLESHOOTING [POWER DOOR LOCK SYSTEM]

### KEYLESS ENTRY SYSTEM CHECK SHEET

A5U090369000W03

- Use the sheet below as a customer interview sheet when accepting a vehicle for service.
- If the symptom is "Power door lock system does not operate with transmitter at all," find out how the customer uses the keyless entry system by following the check sheet below.

Perform the following inspection with customer:

Q1. What's the customer's complaint?

- ☐ Power door lock system does not operate with transmitter (door does not lock/unlock).  
☐ Other \_\_\_\_\_

Q2. Is system factory-installed or after-market?

- ☐ Factory-installed system  
→ Go to Q3.

- ☐ After-market system  
→ Perform troubleshooting according to after-market keyless entry system manual.

Q3. Operate transmitter with customer from 2.5 m {8.2 ft} away from center of vehicle. (Make sure the ignition key is either in the LOCK position or removed.)  
Does keyless entry system work?

- ☐ Yes  
→ Explain the following to the customer:
- Keyless entry system does not work when ignition switch is in ON position.
  - Keyless entry system does not work from excessive distances (more than 2.5 m {8.2 ft} away from center of vehicle).
- ☐ No  
→ Go to Q4.

Q4. Check location where customer uses keyless entry system.

Does a particular area, such as being near TV towers, power plants, power lines, or factories, have an effect on malfunction?

- ☐ Yes Place \_\_\_\_\_  
→ Area of operation is bad. Explain effect of outside interference on transmitter to customer.  
☐ No  
→ Go to Q5.

Q5. Make sure there are no after-market electrical parts installed on vehicle.

Are there any of the following present?

- Cellular phone
- Radio-wave equipment
- Remote engine starter
- TV, etc.

- ☐ Yes Parts \_\_\_\_\_  
☐ No

Perform the keyless entry system preliminary inspection.

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# SYMPTOM TROUBLESHOOTING [POWER DOOR LOCK SYSTEM]

## KEYLESS ENTRY SYSTEM PRELIMINARY INSPECTION

A5U090369000W04

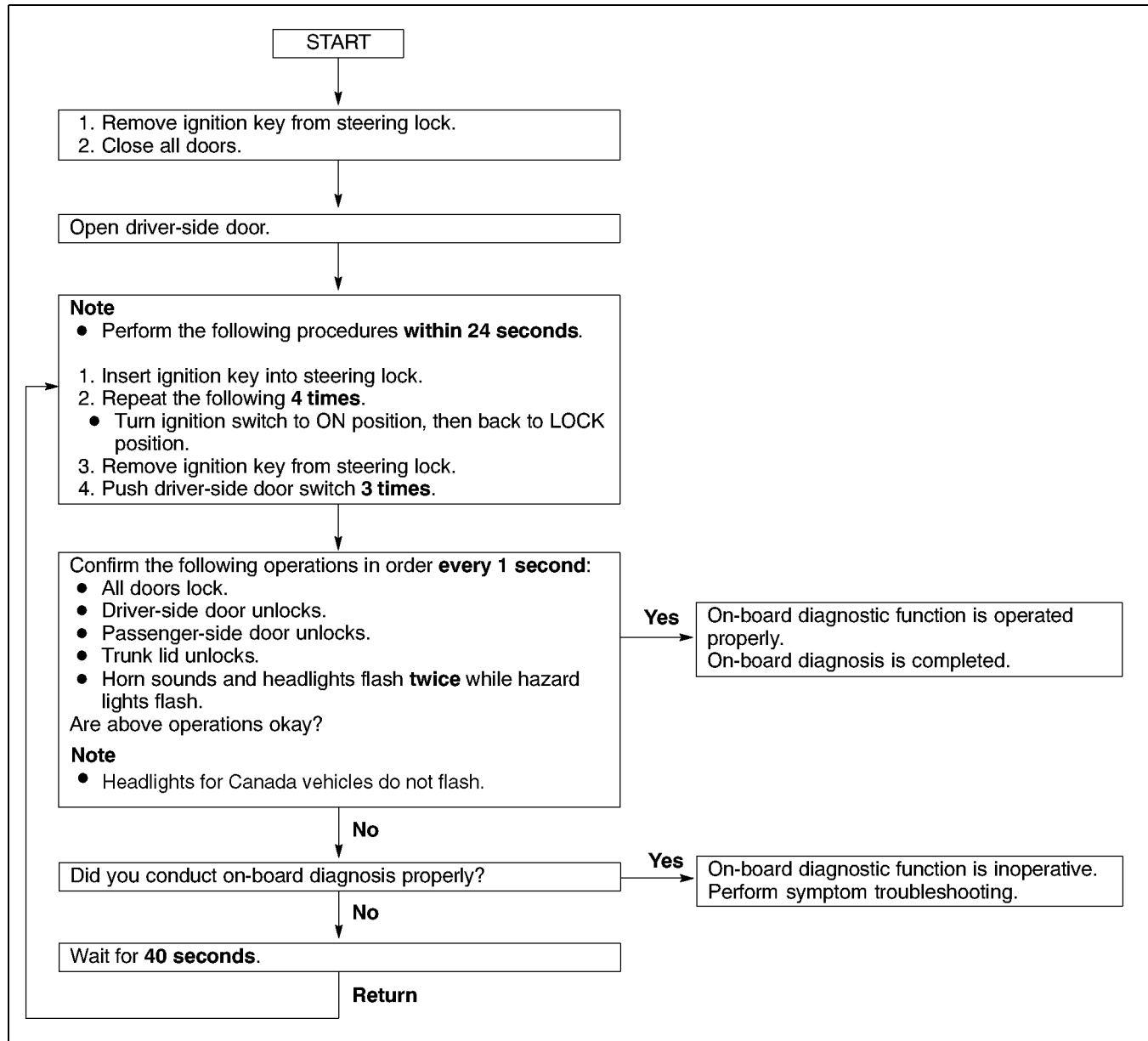
- Perform the following preliminary inspection before troubleshooting.

STEP	INSPECTION	ACTION
1	<ul style="list-style-type: none"> <li>• Is system an after-market one?</li> </ul>	Yes Perform troubleshooting according to after-market keyless entry system manual.
		No Go to next step.
2	<ul style="list-style-type: none"> <li>• Did customer activate keyless entry system when ignition switch was in LOCK position?</li> </ul>	Yes Go to next step.
		No <ul style="list-style-type: none"> <li>• Explain to customer that system does not work when ignition is in ON position.</li> <li>• Turn ignition switch to LOCK position, then go to next step.</li> </ul>
3	<ul style="list-style-type: none"> <li>• Did customer use keyless entry system in particular area, such as being near TV towers, power plants, power lines, or factories?</li> </ul>	Yes <p>Attempt to lock/unlock doors with transmitter in non-interference area.</p> <p><b>If system operates:</b></p> <ul style="list-style-type: none"> <li>• Area of operation is bad. Explain effect of outside interference on transmitter to customer.</li> </ul> <p><b>If system does not operate:</b></p> <ul style="list-style-type: none"> <li>• Go to next step.</li> </ul>
		No Go to next step.
4	<ul style="list-style-type: none"> <li>• Are any of the following after-market electrical parts on the vehicle?               <ul style="list-style-type: none"> <li>— Cellular phone</li> <li>— Radio-wave equipment</li> <li>— Remote engine starter</li> <li>— TV, etc.</li> </ul> </li> </ul>	Yes <p>Disconnect after-market electrical part connectors and attempt to lock/unlock doors with transmitter.</p> <p><b>If system operates:</b></p> <ul style="list-style-type: none"> <li>• After-market electrical parts are interfering with keyless entry system.</li> </ul> <p><b>If system does not operate:</b></p> <ul style="list-style-type: none"> <li>• Go to next step.</li> </ul>
		No Go to next step.
5	<ul style="list-style-type: none"> <li>• Perform on-board diagnostic function. (See 09-03A-5 ON-BOARD DIAGNOSTIC FUNCTION.)</li> <li>• Does on-board diagnostic function work?</li> </ul>	Yes Go to next step.
		No Go to Step 1 of NO. 1 ON-BOARD DIAGNOSTIC FUNCTION INOPERATIVE.
6	<ul style="list-style-type: none"> <li>• Attempt to reprogram transmitter ID code.</li> <li>• Can transmitter ID code be reprogrammed?</li> </ul>	Yes System is normal now.
		No Go to Step 1 of troubleshooting NO. 2 TRANSMITTER ID CODE CANNOT BE REPROGRAMMED.

# SYMPTOM TROUBLESHOOTING [POWER DOOR LOCK SYSTEM]

## ON-BOARD DIAGNOSTIC FUNCTION

A5U090369000W05



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A5U0903W001

## TROUBLESHOOTING INDEX

A5U090369000W06

No.	TROUBLESHOOTING ITEM	DESCRIPTION	PAGE
1	One or more on-board diagnostic functions inoperative.	<ul style="list-style-type: none"> <li>Malfunction in trunk lid lock and opener system, horn system, headlight system (except for Canada), hazard warning light system, door lock linkage system, door lock switch system or driver's door key cylinder switch system.</li> </ul>	(See 09-03A-6 NO. 1 ONE OR MORE ON-BOARD DIAGNOSTIC FUNCTIONS INOPERATIVE)
2	All on-board diagnostic functions inoperative.	<ul style="list-style-type: none"> <li>Malfunction in keyless control module power supply circuit, door switch circuit or keyless control module ground circuit.</li> </ul>	(See 09-03A-9 NO. 2 ALL ON-BOARD DIAGNOSTIC FUNCTIONS INOPERATIVE)
3	Transmitter ID code cannot be reprogrammed.	<ul style="list-style-type: none"> <li>Malfunction in transmitter battery, transmitter, keyless control module bracket, keyless control module bracket ground screw or keyless control module circuit.</li> </ul>	(See 09-03A-10 NO. 3 TRANSMITTER ID CODE CANNOT BE REPROGRAMMED)

# SYMPTOM TROUBLESHOOTING [POWER DOOR LOCK SYSTEM]

## NO. 1 ONE OR MORE ON-BOARD DIAGNOSTIC FUNCTIONS INOPERATIVE

A5U09036900W07

- When performing an asterisked (\*) troubleshooting inspection, shake the wiring harness and connectors while performing the inspection to discover whether poor contact points are the cause of any intermittent malfunctions. If there is a problem, check to make sure connectors, terminals and wiring harnesses are connected correctly and undamaged.

1	One or more on-board diagnostic functions inoperative
<b>DESCRIPTION</b>	<ul style="list-style-type: none"> <li>Malfunction in trunk lid lock and opener system, horn system, headlight system (except for Canada), hazard warning light system, door lock linkage system, door lock switch system or driver's door key cylinder switch system.</li> </ul>
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"> <li>Malfunction in trunk lid lock and opener system               <ul style="list-style-type: none"> <li>Trunk lid opener relay circuit malfunction</li> <li>Keyless control module malfunction</li> </ul> </li> <li>Malfunction in horn system               <ul style="list-style-type: none"> <li>Horn circuit malfunction</li> <li>Keyless control module malfunction</li> <li>Malfunction in wiring harness between keyless control module and horn relay</li> </ul> </li> <li>Malfunction in headlight system (except for Canada)               <ul style="list-style-type: none"> <li>Headlight circuit</li> <li>Keyless control module malfunction</li> <li>Malfunction in wiring harness between keyless control module and headlight relay</li> </ul> </li> <li>Malfunction in hazard warning light system               <ul style="list-style-type: none"> <li>Hazard warning light circuit</li> <li>Keyless control module malfunction</li> <li>Malfunction in wiring harness between keyless control module and hazard warning lights</li> <li>Malfunction in wiring harness between keyless control module and flasher control module</li> </ul> </li> <li>Malfunction in door lock linkage</li> <li>Malfunction in door lock switch system</li> <li>Malfunction in keyless control module door unlock signal circuit               <ul style="list-style-type: none"> <li>Keyless control module malfunction</li> <li>Malfunction in wiring harness between keyless control module and door lock control module</li> </ul> </li> <li>Malfunction in driver-side door key cylinder switch system</li> <li>Malfunction in keyless control module door lock/unlock signal circuit               <ul style="list-style-type: none"> <li>Keyless control module malfunction</li> <li>Malfunction in wiring harness between keyless control module and door lock control module</li> </ul> </li> </ul>

### Diagnostic procedure

STEP	INSPECTION		ACTION
1	<b>CHECK HORN, HEADLIGHT AND HAZARD WARNING LIGHT OPERATION DURING ON-BOARD DIAGNOSIS</b> <ul style="list-style-type: none"> <li>Did all of the following items work during on-board diagnostic function operation?               <ul style="list-style-type: none"> <li>Horns sounded intermittently</li> <li>Headlights flashed (except for Canada)</li> <li>Hazard warning lights flashed</li> </ul> </li> </ul>	Yes	Go to Step 11.
		No	Go to next step.
2	<b>CHECK HORN OPERATION DURING ON-BOARD DIAGNOSIS</b> <ul style="list-style-type: none"> <li>Did horns sound intermittently during on-board diagnostic function operation?</li> </ul>	Yes	Go to Step 5. (except for Canada) Go to Step 8. (for Canada)
		No	Go to next step.
3	<b>INSPECT HORN CIRCUIT</b> <ul style="list-style-type: none"> <li>Do horns sound when depressing horn switch on vehicle?</li> </ul>	Yes	Go to next step.
		No	Inspect horn circuit.
*4	<b>CHECK TO SEE WHETHER MALFUNCTION IS IN WIRING HARNESS (LACK OF CONTINUITY BETWEEN KEYLESS CONTROL MODULE AND HORN RELAY) OR KEYLESS CONTROL MODULE</b> <ul style="list-style-type: none"> <li>Turn ignition switch to LOCK position.</li> <li>Disconnect keyless control module connector and horn relay connector.</li> <li>Is there continuity between keyless control module connector terminal E and horn relay connector?</li> </ul>	Yes	Replace keyless control module and reprogram keyless control module ID code, then go to Step 22.
		No	Repair wiring harness between keyless control module and horn relay, then go to Step 22.
5	<b>CHECK HEADLIGHT OPERATION DURING ON-BOARD DIAGNOSIS</b> <ul style="list-style-type: none"> <li>Did headlights flash during on-board diagnostic function operation?</li> </ul>	Yes	Go to Step 8.
		No	Go to next step.

# SYMPTOM TROUBLESHOOTING [POWER DOOR LOCK SYSTEM]

STEP	INSPECTION		ACTION
6	<b>INSPECT HEADLIGHT CIRCUIT</b> <ul style="list-style-type: none"> <li>Do headlights illuminate when light switch is on?</li> </ul>	Yes	Go to next step.
		No	Inspect headlight circuit.
*7	<b>CHECK TO SEE WHETHER MALFUNCTION IS IN WIRING HARNESS (LACK OF CONTINUITY BETWEEN KEYLESS CONTROL MODULE AND HEADLIGHT RELAY) OR KEYLESS CONTROL MODULE</b> <ul style="list-style-type: none"> <li>Turn ignition switch to LOCK position.</li> <li>Disconnect keyless control module connector and headlight relay connector.</li> <li>Is there continuity between keyless control module connector terminal G and headlight relay connector?</li> </ul>	Yes	Replace and reprogram keyless control module ID code, then go to Step 22.
		No	Repair wiring harness between keyless control module and headlight relay, then go to Step 22.
8	<b>CHECK HAZARD WARNING LIGHT OPERATION DURING ON-BOARD DIAGNOSIS</b> <ul style="list-style-type: none"> <li>Did hazard warning lights flash during on-board diagnostic function operation?</li> </ul>	Yes	Recheck malfunction symptoms, then repeat from Step 1 if malfunction reoccurs.
		No	Go to next step.
9	<b>INSPECT HAZARD WARNING LIGHT CIRCUIT</b> <ul style="list-style-type: none"> <li>Do hazard warning lights flash when hazard warning switch is on?</li> </ul>	Yes	Go to next step.
		No	Inspect hazard warning light circuit.
*10	<b>INSPECT WIRING HARNESS BETWEEN KEYLESS CONTROL MODULE AND HAZARD WARNING LIGHTS FOR CONTINUITY</b> <ul style="list-style-type: none"> <li>Turn ignition switch to LOCK position.</li> <li>Disconnect keyless control module connector and flasher control module connector.</li> <li>Is there continuity between keyless control module connector terminal H and flasher control module connector?</li> </ul>	Yes	Replace keyless control module and reprogram transmitter ID code, then go to Step 22.
		No	Repair wiring harness between keyless control module and flasher control module, then go to Step 22.
11	<b>CHECK TRUNK LID OPERATION DURING ON-BOARD DIAGNOSIS</b> <ul style="list-style-type: none"> <li>Does trunk lid unlock during on-board diagnostic function operation?</li> </ul>	Yes	Go to Step 14.
		No	Go to next step.
12	<b>INSPECT TRUNK LID LOCK AND OPENER SYSTEM</b> <ul style="list-style-type: none"> <li>Does trunk lid unlock when operating trunk lid opener lever?</li> </ul>	Yes	Go to next step.
		No	Inspect trunk lid lock and opener system.
*13	<b>CHECK TO SEE WHETHER MALFUNCTION IS IN TRUNK LID OPENER RELAY CIRCUIT OR KEYLESS CONTROL MODULE</b> <ul style="list-style-type: none"> <li>Disconnect keyless control module connector,</li> <li>Measure voltage at keyless control module connector terminal I.</li> <li>Is voltage <b>approximately 12 V</b>?</li> </ul>	Yes	Replace keyless control module and reprogram transmitter ID code, then go to Step 22.
		No	Inspect trunk lid opener relay circuit.
14	<b>MAKE SURE THAT ALL DOORS LOCK AND UNLOCK DURING ON-BOARD DIAGNOSIS</b> <ul style="list-style-type: none"> <li>Did all of the following items work during on-board diagnostic function operation? <ul style="list-style-type: none"> <li>All doors unlocked and locked</li> <li>Driver-side door unlocked</li> </ul> </li> </ul>	Yes	Recheck malfunction symptoms, then repeat from Step 1 if malfunction reoccurs.
		No	Go to next step.
15	<b>INSPECT DOOR LOCK LINKAGE</b> <ul style="list-style-type: none"> <li>Operate inner door lock knob and make sure door locks and unlocks manually.</li> <li>Does every door lock system work?</li> </ul>	Yes	Go to next step.
		No	Inspect door lock linkage.
16	<b>MAKE SURE THAT ALL DOORS UNLOCK DURING ON-BOARD DIAGNOSIS</b> <ul style="list-style-type: none"> <li>Did all doors unlock during on-board diagnostic function operation?</li> </ul>	Yes	Go to Step 19.
		No	Go to next step.

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## SYMPTOM TROUBLESHOOTING [POWER DOOR LOCK SYSTEM]

STEP	INSPECTION	ACTION	
17	<b>CHECK TO SEE WHETHER MALFUNCTION IS IN DRIVER'S DOOR LOCK SWITCH SYSTEM OR ELSEWHERE</b> <ul style="list-style-type: none"> <li>Do all doors unlock when driver-side door lock switch is unlocked?</li> </ul>	Yes	Go to next step.
		No	Inspect door lock switch system circuit.
*18	<b>CHECK TO SEE WHETHER MALFUNCTION (LACK OF CONTINUITY OR SHORT TO B+/GROUND) IS IN KEYLESS CONTROL MODULE OR WIRING HARNESS (BETWEEN KEYLESS CONTROL MODULE AND DOOR LOCK CONTROL MODULE)</b> <ul style="list-style-type: none"> <li>Turn ignition switch to LOCK position.</li> <li>Disconnect keyless control module connector.</li> <li>Measure voltage at keyless control module connector terminal K.</li> <li>Is voltage <b>approximately 5 V</b>?</li> </ul>	Yes	Replace keyless control module and reprogram keyless control module ID code, then go to Step 22.
		No	Repair wiring harness between keyless control module and door lock control module, then go to Step 22.
19	<b>MAKE SURE THAT ALL DOORS LOCK AND DRIVER'S DOOR UNLOCKS DURING ON-BOARD DIAGNOSIS</b> <ul style="list-style-type: none"> <li>Did all of the following items work during on-board diagnostic function operation? <ul style="list-style-type: none"> <li>All doors locked</li> <li>Driver-side door unlocked</li> </ul> </li> </ul>	Yes	Recheck malfunction symptoms, then repeat from Step 1 if malfunction recurs.
		No	Go to next step.
20	<b>CHECK TO SEE WHETHER MALFUNCTION IS IN DRIVER'S DOOR KEY CYLINDER SWITCH SYSTEM OR ELSEWHERE</b> <ul style="list-style-type: none"> <li>Do all of the following items work when inserting ignition key into driver-side door key cylinder and operating ignition key? <ul style="list-style-type: none"> <li>All doors locked</li> <li>Driver-side door unlocked</li> </ul> </li> </ul>	Yes	Go to next step.
		No	Inspect driver-side door key cylinder switch system circuit.
*21	<b>CHECK TO SEE WHETHER MALFUNCTION (LACK OF CONTINUITY OR SHORT TO B+/GROUND) IS IN KEYLESS CONTROL MODULE OR WIRING HARNESS (BETWEEN KEYLESS CONTROL MODULE AND DOOR LOCK CONTROL MODULE)</b> <ul style="list-style-type: none"> <li>Turn ignition switch to LOCK position.</li> <li>Disconnect keyless control module connector.</li> <li>Measure voltage at keyless control module connector terminal O.</li> <li>Is voltage <b>approximately 5 V</b>?</li> </ul>	Yes	Replace keyless control module and reprogram keyless control module ID code, then go to next step.
		No	Repair wiring harness between keyless control module and door lock control module, then go to next step.
22	<b>RECHECK MALFUNCTION SYMPTOM AFTER REPAIR</b> <ul style="list-style-type: none"> <li>Does keyless entry system operate properly?</li> </ul>	Yes	Troubleshooting completed. Explain repairs to customer.
		No	Recheck malfunction symptoms, then repeat from Step 1 if malfunction recurs.

# SYMPTOM TROUBLESHOOTING [POWER DOOR LOCK SYSTEM]

## NO. 2 ALL ON-BOARD DIAGNOSTIC FUNCTIONS INOPERATIVE

A5U09036900W08

- When performing an asterisked (\*) troubleshooting inspection, shake the wiring harness and connectors while doing the inspection to discover whether poor contact points are the cause of any intermittent malfunctions. If there is a problem, check to make sure connectors, terminals and wiring harnesses are connected correctly and undamaged.

2	All on-board diagnostic functions inoperative
DESCRIPTION	<ul style="list-style-type: none"> <li>Malfunction in keyless control module power supply circuit, door switch circuit or keyless control module ground circuit.</li> </ul>
POSSIBLE CAUSE	<ul style="list-style-type: none"> <li>Malfunction in IG1, B+ signal circuit of keyless control module               <ul style="list-style-type: none"> <li>Keyless control module power supply fuse malfunction</li> <li>Malfunction in wiring harness between keyless control module power supply fuse(s) and keyless control module itself</li> </ul> </li> <li>Malfunction in keyless control module's door open/closed signal circuit               <ul style="list-style-type: none"> <li>Door switch system malfunction</li> <li>Keyless control module malfunction</li> <li>Malfunction in wiring harness between keyless control module and door switch</li> </ul> </li> <li>Malfunction in keyless control module GND signal circuit               <ul style="list-style-type: none"> <li>Malfunction in wiring harness between keyless control module and ground</li> </ul> </li> </ul>

### Diagnostic procedure

STEP	INSPECTION	ACTION
1	<b>INSPECT KEYLESS CONTROL MODULE POWER SUPPLY FUSES</b> <ul style="list-style-type: none"> <li>Are keyless control module power supply fuses okay?</li> </ul>	Yes Go to next step.
		No Check for a short to ground on blown fuse's circuit. Repair or replace if necessary. Install appropriate amperage fuse.
2	<b>INSPECT DOOR SWITCH INSTALLATION</b> <ul style="list-style-type: none"> <li>Are door switches installed securely?</li> </ul>	Yes Go to next step.
		No Install door switch(es) securely, then go back to Step 5 of keyless entry system preliminary inspection.
*3	<b>CHECK TO SEE WHETHER MALFUNCTION IS IN WIRING HARNESS (LACK OF CONTINUITY BETWEEN FUSE BLOCK AND KEYLESS CONTROL MODULE) OR ELSEWHERE</b> <ul style="list-style-type: none"> <li>Turn ignition switch to ON position.</li> <li>Measure voltage at following keyless control module terminals:               <ul style="list-style-type: none"> <li>IG1 signal (Terminal A)</li> <li>B+ signal (Terminal B)</li> </ul> </li> <li>Is voltage <b>approximately 12 V</b>?</li> </ul>	Yes Go to next step.
		No Repair wiring harness between fuse block and keyless control module, then go to Step 8.
*4	<b>CHECK TO SEE WHETHER MALFUNCTION IS IN WIRING HARNESS (SHORT TO B+ BETWEEN FUSE BLOCK AND KEYLESS CONTROL MODULE, OR BETWEEN KEYLESS CONTROL MODULE AND GROUND) OR ELSEWHERE</b> <ul style="list-style-type: none"> <li>Turn ignition switch to LOCK position.</li> <li>Disconnect keyless control module connector.</li> <li>Measure voltage at following keyless control module connector terminals:               <ul style="list-style-type: none"> <li>IG1 signal (Terminal A)</li> <li>Ground signal (Terminal L)</li> </ul> </li> <li>Is voltage <b>approximately 12 V</b>?</li> </ul>	Yes Repair malfunctioning wiring harness, then go to Step 8.
		No Go to next step.
*5	<b>CHECK TO SEE WHETHER MALFUNCTION IS IN WIRING HARNESS (LACK OF CONTINUITY BETWEEN KEYLESS CONTROL MODULE AND GROUND) OR ELSEWHERE</b> <ul style="list-style-type: none"> <li>Is there continuity between keyless control module connector terminal L and ground?</li> </ul>	Yes Go to next step.
		No Repair wiring harness between keyless control module and ground, then go to Step 8.

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## SYMPTOM TROUBLESHOOTING [POWER DOOR LOCK SYSTEM]

STEP	INSPECTION	ACTION
6	<b>CHECK FOR CHECK CODE 04 IN INSTRUMENT CLUSTER</b> <ul style="list-style-type: none"> <li>Inspect door switch using instrument cluster input/output check mode. (See 09-22-5 INSTRUMENT CLUSTER INPUT/OUTPUT CHECK MODE)</li> <li>Does DTC 04 function properly?</li> </ul>	Yes Go to next step.
		No Repair door switch system using DTC 04 inspection procedure, then go to Step 8.
7	<b>INSPECT KEYLESS CONTROL MODULE OR WIRING HARNESS (BETWEEN KEYLESS CONTROL MODULE AND DOOR SWITCHES FOR CONTINUITY)</b> <ul style="list-style-type: none"> <li>Open the driver-side door.</li> <li>Is there continuity between keyless control module connector terminal C and ground?</li> </ul>	Yes Replace keyless control module and reprogram keyless control module ID code, then go to next step.
		No Repair wiring harness between keyless control module and door switch(es), then go to next step.
8	<b>RECHECK MALFUNCTION SYMPTOM AFTER REPAIR</b> <ul style="list-style-type: none"> <li>Does keyless entry system operate properly?</li> </ul>	Yes Troubleshooting completed. Explain repairs to customer.
		No Recheck malfunction symptoms, then repeat from Step 1 if malfunction recurs.

### NO. 3 TRANSMITTER ID CODE CANNOT BE REPROGRAMMED

A5U090369000W09

3	<b>Transmitter ID code cannot be reprogrammed</b>
DESCRIPTION	<ul style="list-style-type: none"> <li>Malfunction in transmitter battery, transmitter keyless control module bracket, keyless control module bracket ground screw or keyless control module circuit.</li> </ul>
POSSIBLE CAUSE	<ul style="list-style-type: none"> <li>Malfunction in transmitter battery, transmitter, keyless control module bracket, keyless control module bracket ground screw or keyless control module circuit               <ul style="list-style-type: none"> <li>— Transmitter battery, transmitter, keyless control module bracket, keyless control module bracket ground screw or keyless control module malfunction</li> </ul> </li> </ul>

#### Diagnostic procedure

STEP	INSPECTION	ACTION
1	<b>INSPECT TRANSMITTER BATTERY INSTALLATION AND TYPE</b> <ul style="list-style-type: none"> <li>Visually inspect transmitter battery.</li> <li>Are below items okay?               <ul style="list-style-type: none"> <li>— Transmitter battery installation (correct polarity)</li> <li>— Battery type (CR2025)</li> </ul> </li> </ul>	Yes Go to next step.
		No Set transmitter battery properly or replace with specified transmitter battery (CR2025), then go to Step 8.
2	<b>INSPECT TRANSMITTER BATTERY TERMINALS FOR RUST AND POOR CONNECTION</b> <ul style="list-style-type: none"> <li>Visually inspect transmitter.               <ul style="list-style-type: none"> <li>— Is there rust on transmitter battery terminals (positive or negative pole)?</li> <li>— Is there poor connection between terminals and battery?</li> </ul> </li> </ul>	Yes Replace transmitter battery or repair transmitter battery terminal, then go to Step 8.
		No Go to next step.
3	<b>INSPECT TRANSMITTER BATTERY</b> <ul style="list-style-type: none"> <li>Inspect transmitter battery.</li> <li>Is battery voltage normal?</li> </ul>	Yes Go to next step.
		No Replace transmitter battery, then go to Step 8.
4	<b>INSPECT KEYLESS CONTROL MODULE BRACKET INSTALLATION</b> <ul style="list-style-type: none"> <li>Is keyless control module bracket installed securely?</li> </ul>	Yes Go to next step.
		No Install bracket securely, then go back to Step 6 of keyless entry system preliminary inspection.
5	<b>INSPECT GROUND SCREW INSTALLATION BETWEEN KEYLESS CONTROL MODULE AND KEYLESS CONTROL MODULE BRACKET</b> <ul style="list-style-type: none"> <li>Are keyless control module and keyless control module bracket connected securely to ground screw?</li> </ul>	Yes Go to next step.
		No Install screw securely, then go back to Step 6 of keyless entry system preliminary inspection.

## SYMPTOM TROUBLESHOOTING [POWER DOOR LOCK SYSTEM]

STEP	INSPECTION	ACTION
6	<b>CHECK TO SEE WHETHER MALFUNCTION IS IN TRANSMITTER BATTERY OR ELSEWHERE</b> <ul style="list-style-type: none"> <li>Replace with a known good transmitter battery.</li> <li>Does keyless entry system operate properly?</li> </ul>	Yes
		No
7	<b>CHECK TO SEE WHETHER MALFUNCTION IS IN TRANSMITTER OR KEYLESS CONTROL MODULE</b> <ul style="list-style-type: none"> <li>Reprogram keyless control module ID code by using another known good transmitter.</li> <li>Does keyless entry system operate okay?</li> </ul>	Yes
		No
8	<b>RECHECK MALFUNCTION SYMPTOM AFTER REPAIR</b> <ul style="list-style-type: none"> <li>Does keyless entry system operate properly?</li> </ul>	Yes
		No