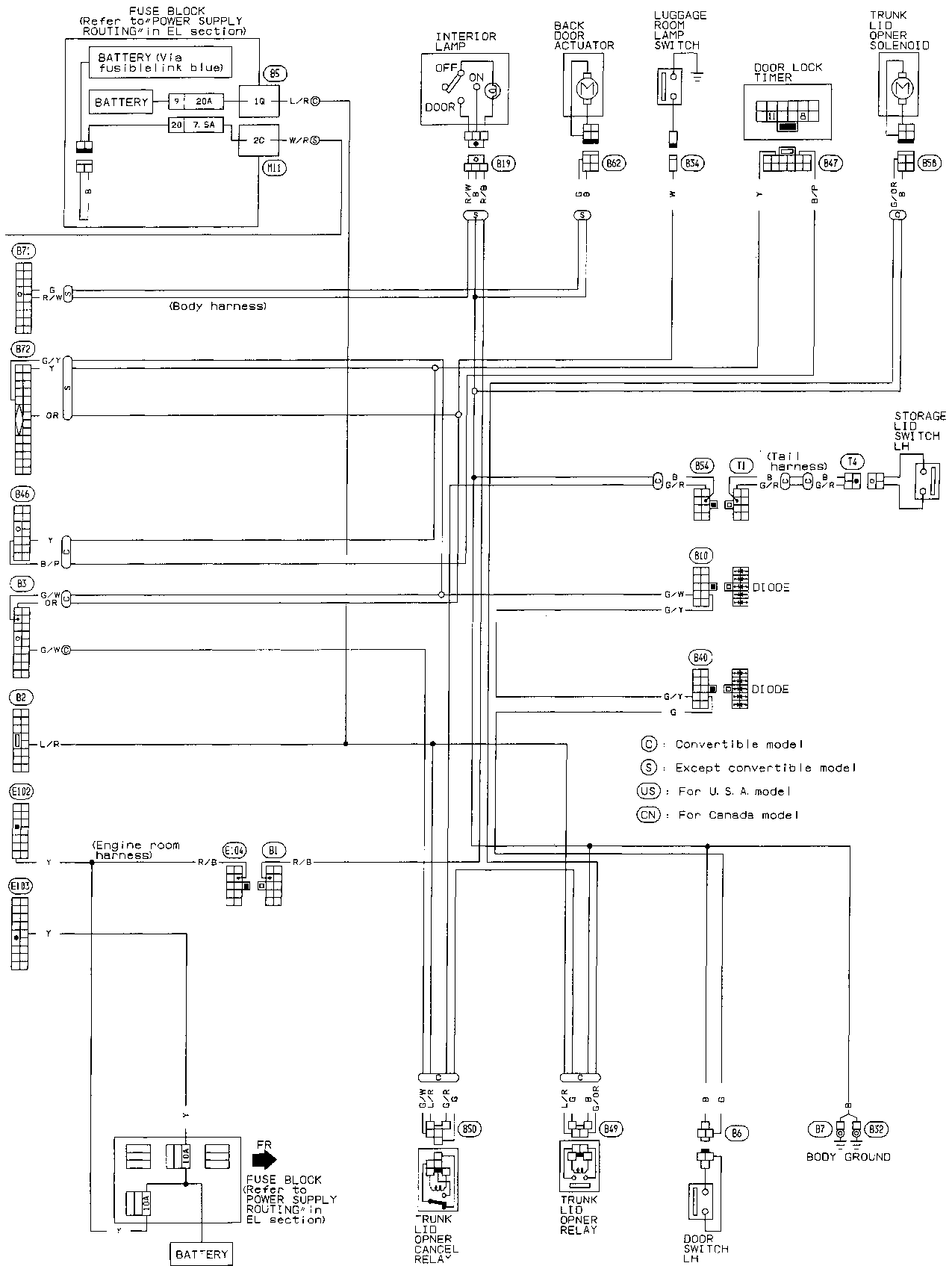


Wiring Diagram



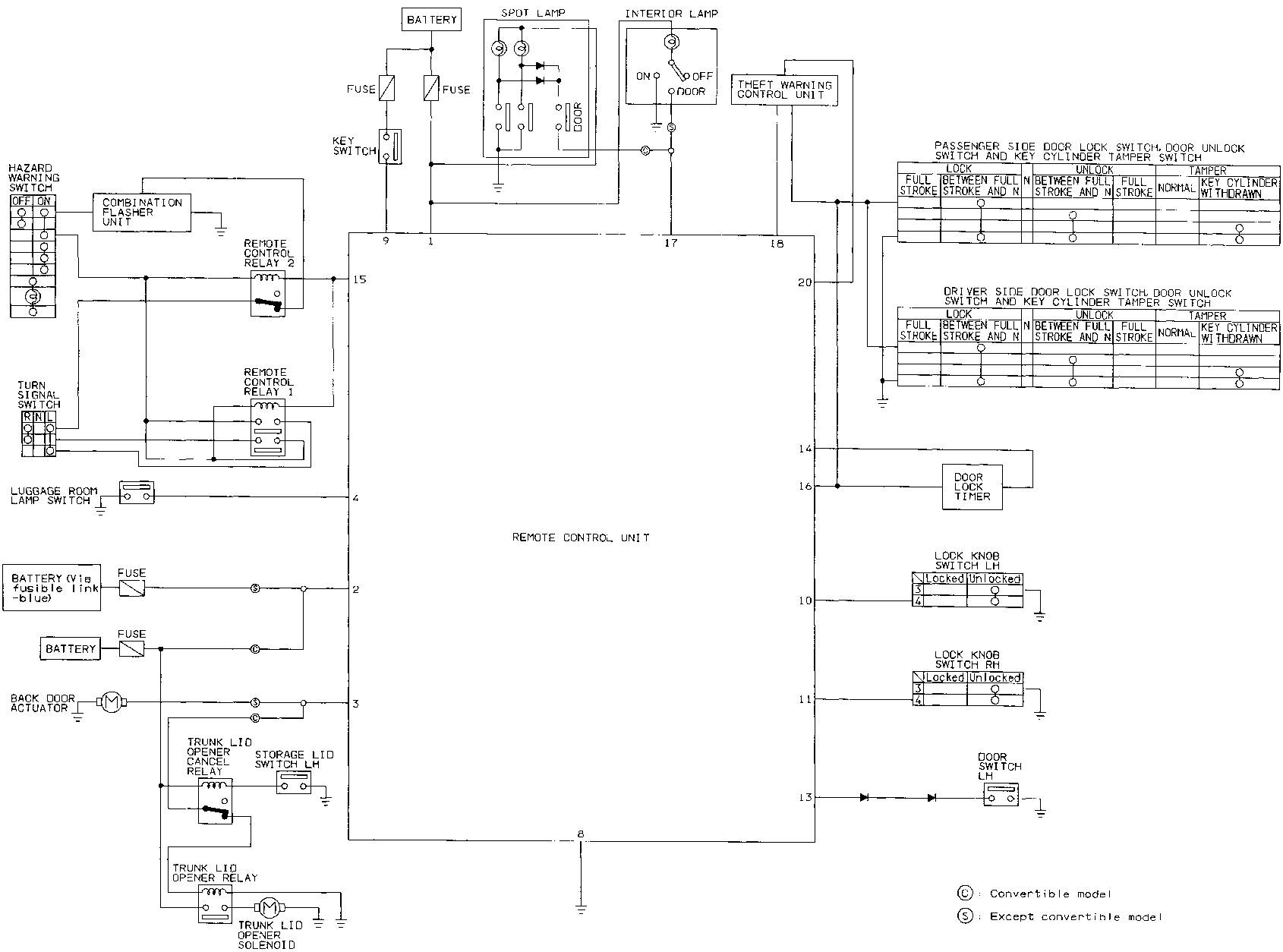
MULTI-REMOTE CONTROL SYSTEM

Wiring Diagram (Cont'd)



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Circuit Diagram for Quick Pinpoint Check



PASSENGER SIDE DOOR LOCK SWITCH, DOOR UNLOCK SWITCH AND KEY CYLINDER TAMPER SWITCH

LOCK	UNLOCK	TAMPER
FULL STROKE	BETWEEN FULL STROKE AND N	FULL STROKE
		NORMAL
		KEY CYLINDER WITHDRAWN

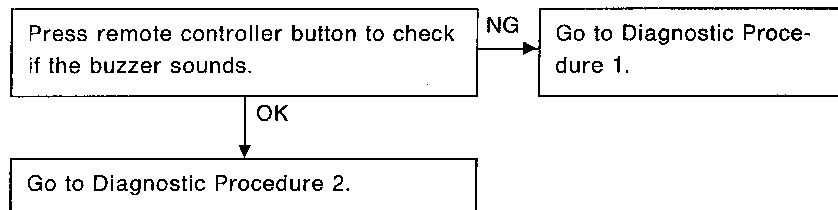
DRIVER SIDE DOOR LOCK SWITCH, DOOR UNLOCK SWITCH AND KEY CYLINDER TAMPER SWITCH

LOCK	UNLOCK	TAMPER
FULL STROKE	BETWEEN FULL STROKE AND N	FULL STROKE
		NORMAL
		KEY CYLINDER WITHDRAWN

Trouble Diagnoses Preliminary Inspection

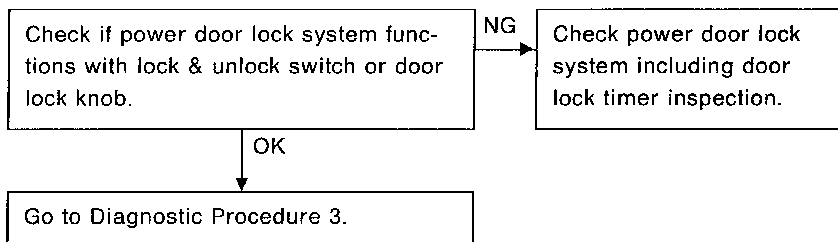
PRELIMINARY INSPECTION PROCEDURE 1

All functions of multi remote control system do not function.



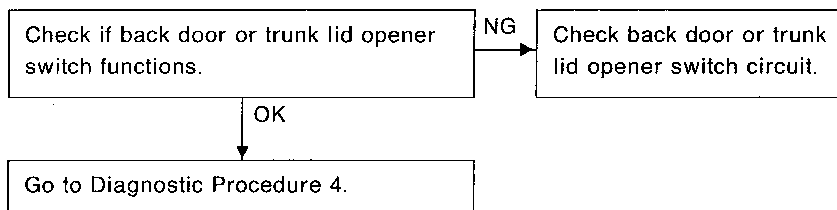
PRELIMINARY INSPECTION PROCEDURE 2

Door lock and unlock do not function.



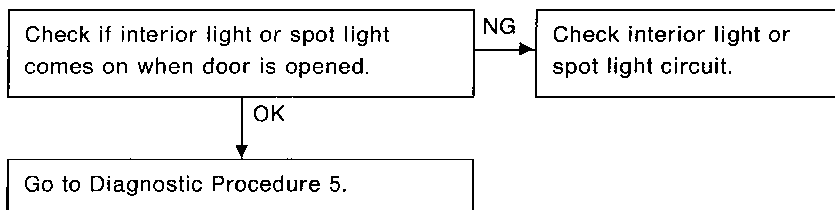
PRELIMINARY INSPECTION PROCEDURE 3

Back door or trunk lid open function does not function.



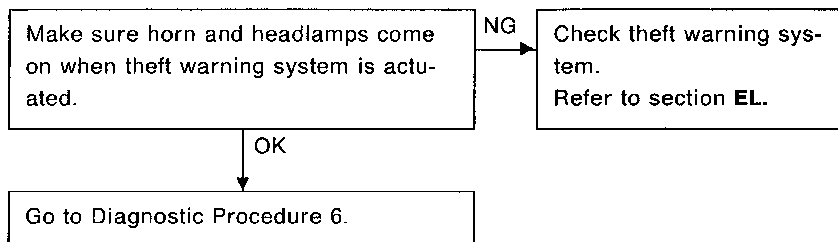
PRELIMINARY INSPECTION PROCEDURE 4

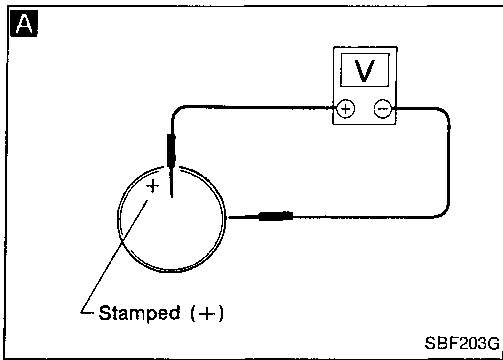
Interior light or spot light does not function.



PRELIMINARY INSPECTION PROCEDURE 5

Panic alarm does not function.

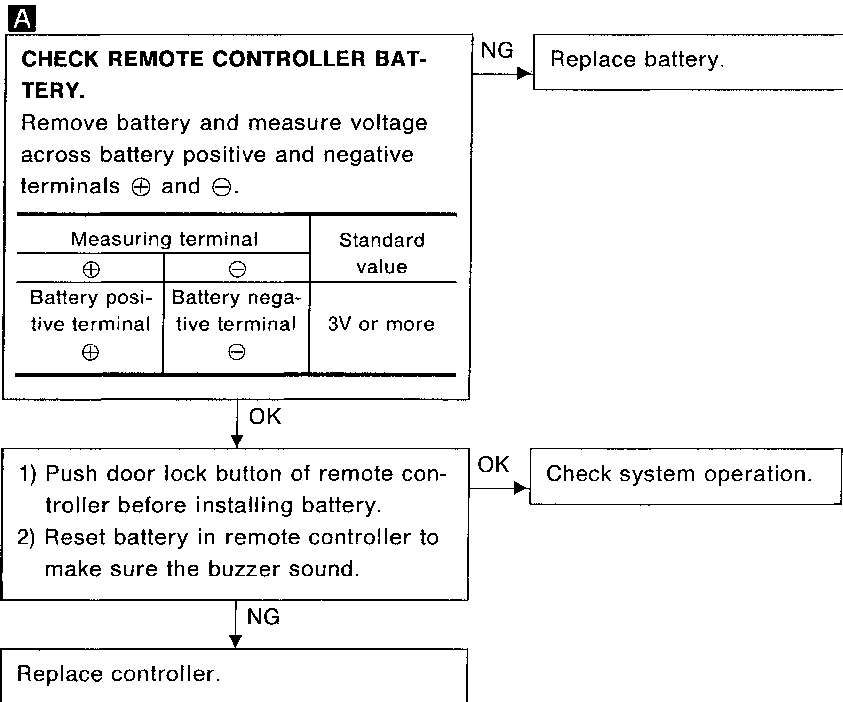




Trouble Diagnoses

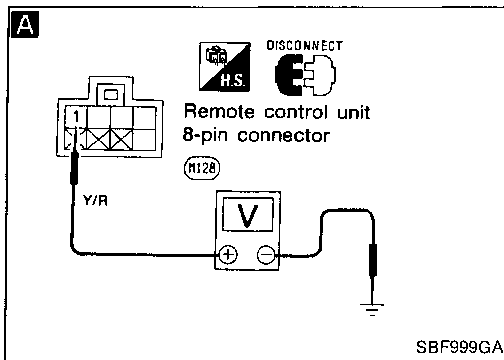
DIAGNOSTIC PROCEDURE 1

Remote controller buzzer does not sound when the button is pressed.



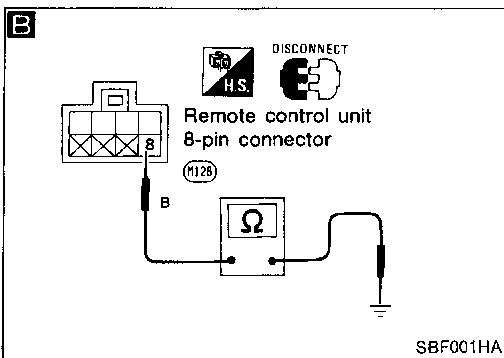
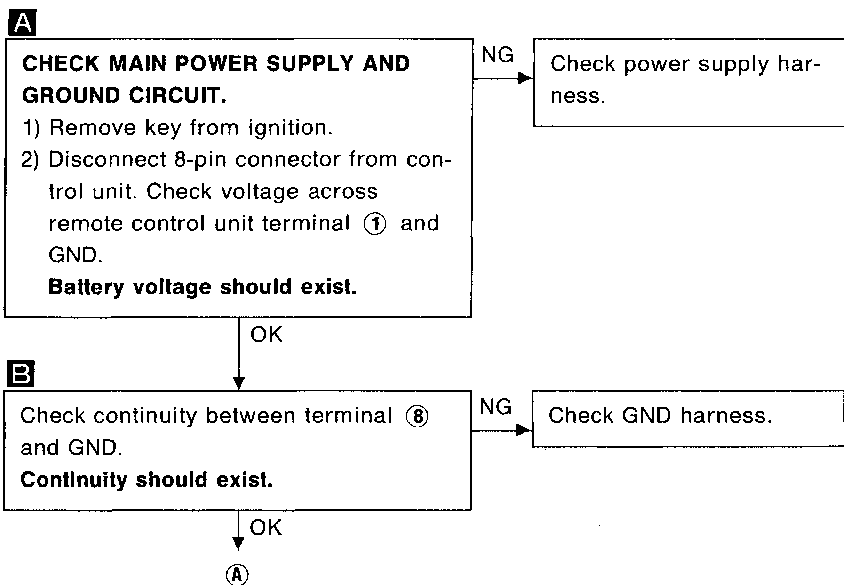
Note:

Remote controller does not function if battery is not set correctly.



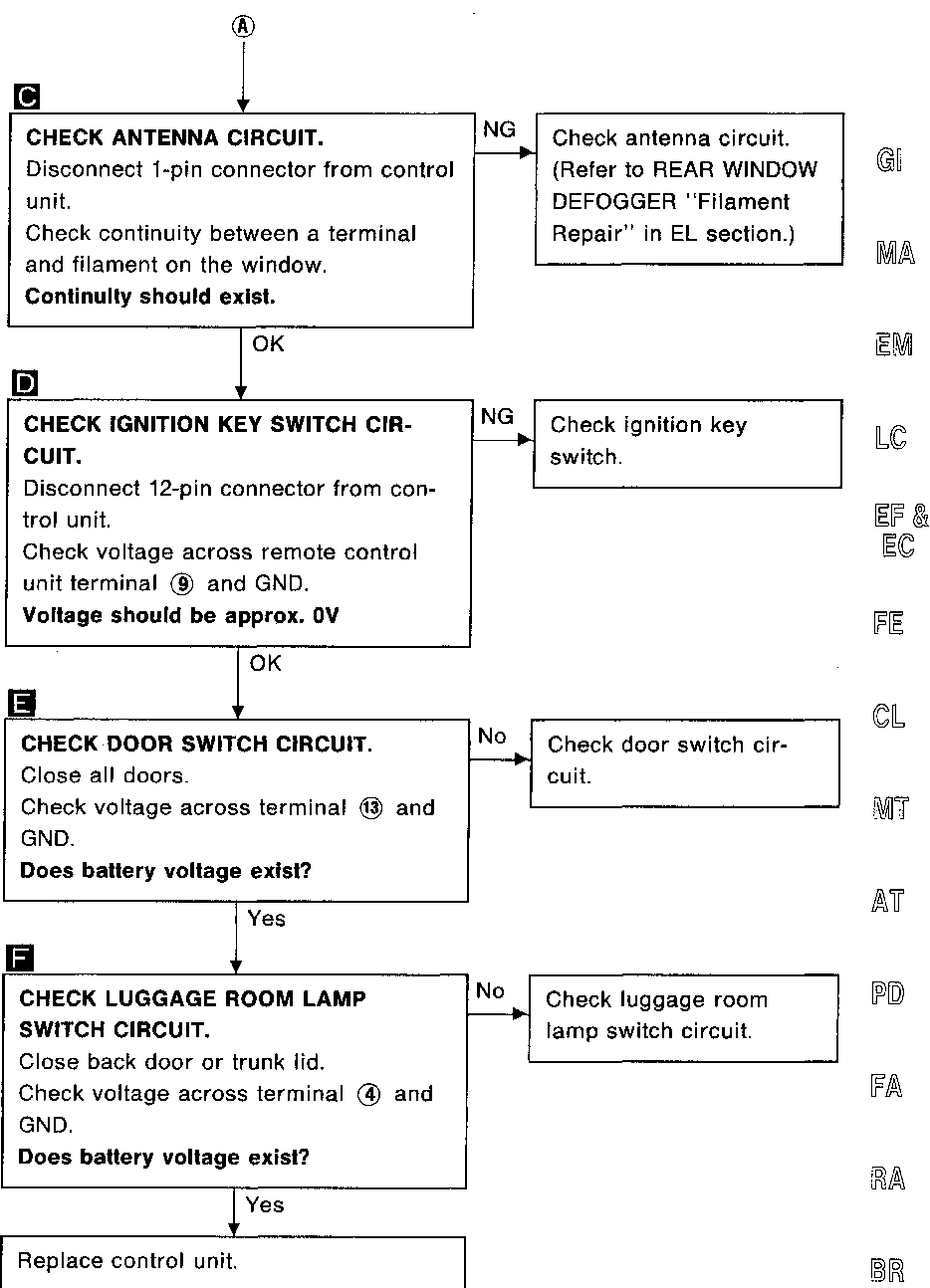
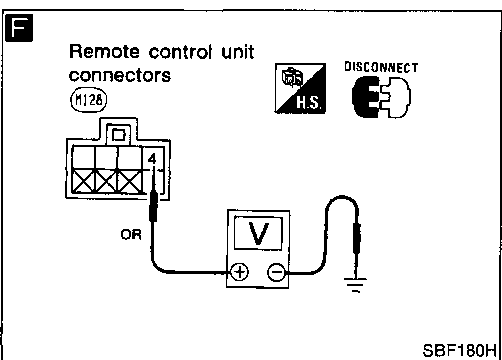
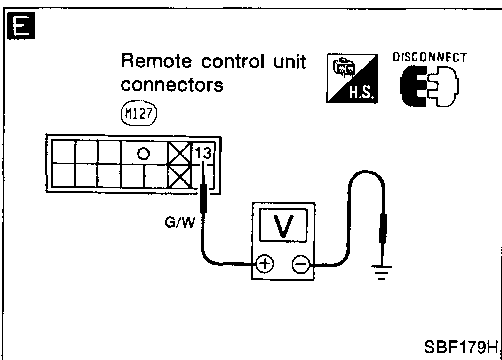
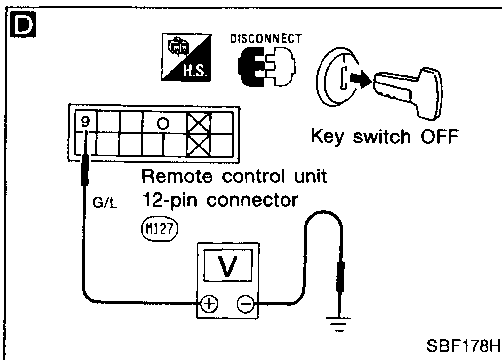
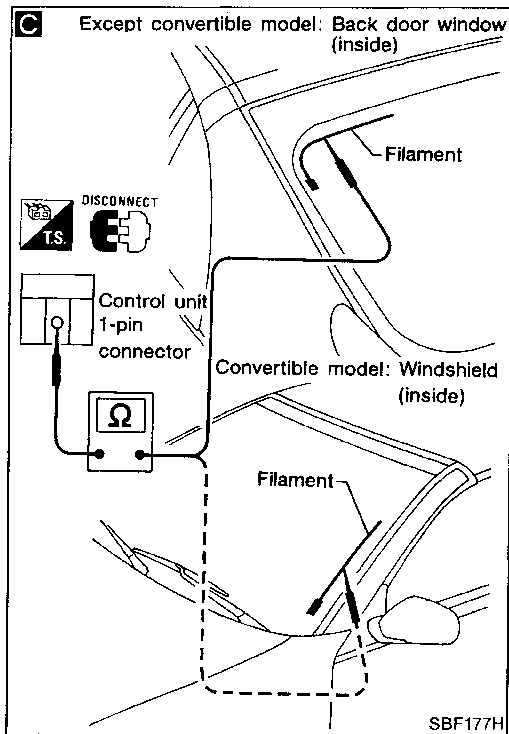
DIAGNOSTIC PROCEDURE 2

All remote controls do not function even if remote controller buzzer does sound.



MULTI-REMOTE CONTROL SYSTEM

Trouble Diagnoses (Cont'd)



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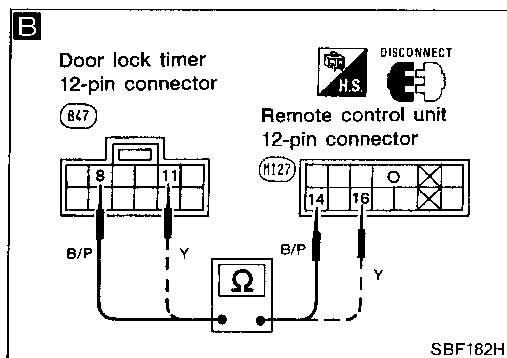
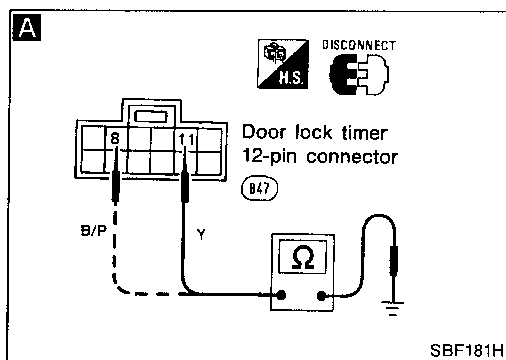
EL

IDX

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 3

Door lock and unlock remote control do not function. Everything else does function.



A

CHECK DOOR LOCK AND UNLOCK SIGNAL FOR DOOR LOCK TIMER.

- 1) Remove key from ignition.
- 2) Close all doors and trunk lid.
- 3) Remove door lock timer 12-pin connector.

Push remote controller buttons and check continuity between terminals ⑪ and GND, ⑧ and GND.

Terminals	Operation	Continuity
⑪ - GND	Lock	Yes
	Unlock	No
⑧ - GND	Unlock	Yes
	Lock	No

OK → Check power door lock system.

NG

Does continuity exist continually?

Yes → Repair harness.
(There might be incorrect grounding.)

No

B

Remove remote control unit 12-pin connector.
Check continuity between remote control unit terminals and door lock timer.

NG → Repair harness.

Terminals	
Remote control	Door lock timer
⑭	⑧
⑯	⑪

Continuity should exist.

OK

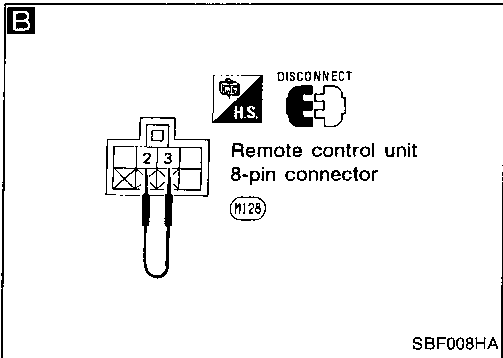
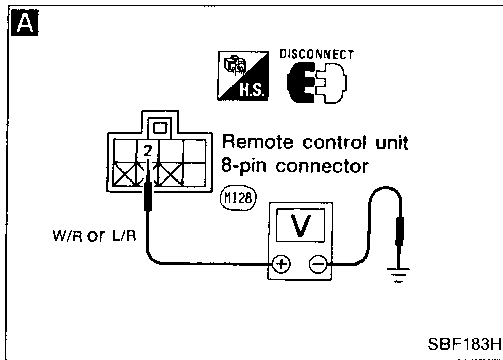
Replace control unit.

MULTI-REMOTE CONTROL SYSTEM

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 4

Trunk lid open remote control does not function. Everything else does function.



A

CHECK POWER SUPPLY CIRCUIT FOR TRUNK OPEN FUNCTION.

Disconnect 8-pin connector from remote control unit.

Check voltage between terminal ② and ground.

Battery voltage should exist.

NG → Repair harness.

OK

B

Connect remote control unit connector terminal ② to ③.

Does trunk lid opener function?

No → Check trunk lid opener circuit.

Yes

Replace control unit.

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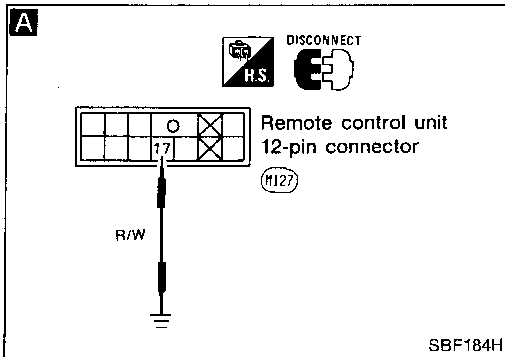
HA

EL

IDX

DIAGNOSTIC PROCEDURE 5

Interior light or spot light (convertible model) does not function. Everything else does function.



A

CHECK INTERIOR LIGHT OR SPOT LIGHT (CONVERTIBLE MODEL) CIRCUIT.

Disconnect remote control unit 12-pin connector.

Ground remote control unit connector terminal ⑰.

Does interior light or spot light (convertible model) function?

No → Check interior light or spot light (convertible model) circuit.

Yes

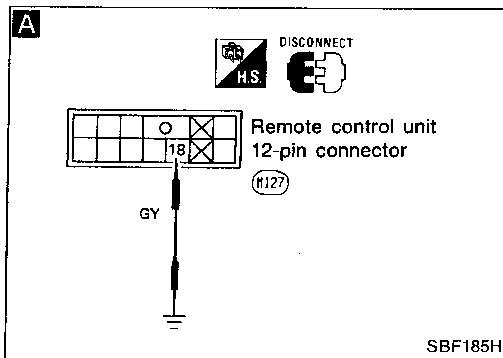
Replace control unit.

MULTI-REMOTE CONTROL SYSTEM

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 6

Panic alarm function does not function. Everything else does function.

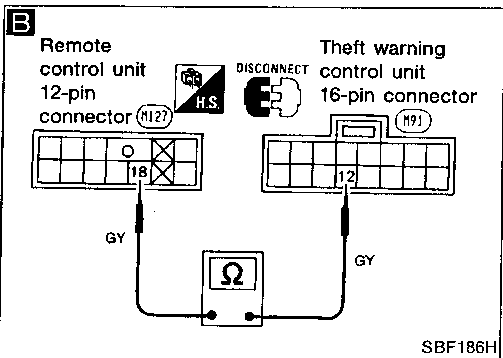


A

CHECK PANIC ALARM CIRCUIT.
Disconnect 12-pin connector from remote control unit.
Ground remote control unit connector terminal 18.
Does panic alarm function function?

Yes → Replace control unit.

No



B

Disconnect 16-pin connector from theft warning control unit.
Check continuity between terminals 18 of remote control unit connector and 12 of theft warning control unit.
Does continuity exist?

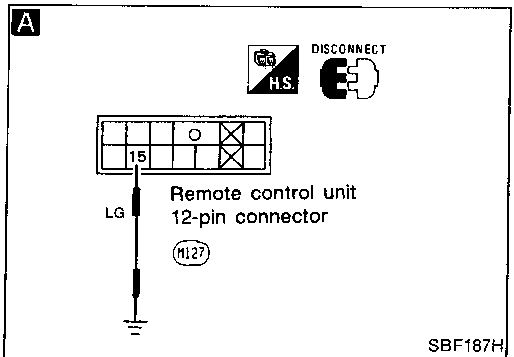
Yes → Check theft warning system. Refer to section EL.

No

Repair harness.

DIAGNOSTIC PROCEDURE 7

Hazard indicator flashing does not function. Everything else does function.

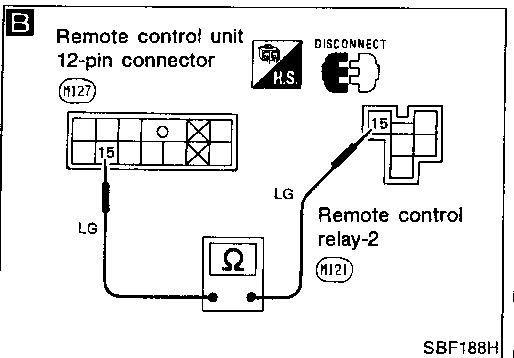


A

CHECK HAZARD INDICATOR FLASHING CIRCUIT.
Disconnect 12-pin connector from remote control unit.
Ground remote control unit connector terminal 15.
Does hazard indicator flashing function function?

Yes → Replace control unit.

No



B

Disconnect remote control relay-2 connector.
Check continuity between terminals 15 of remote control unit connector and remote control relay-2.
Does continuity exist?

Yes → Check remote control relay-2 and harness.

No

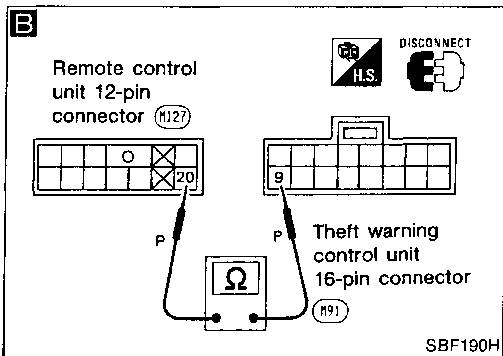
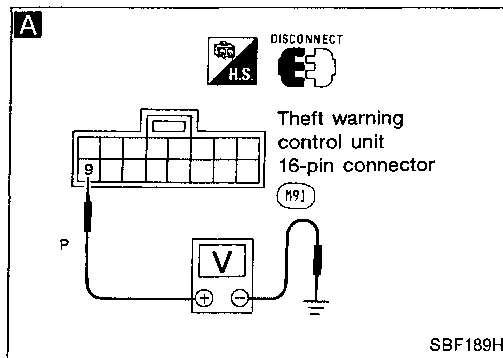
Repair harness.

MULTI-REMOTE CONTROL SYSTEM

Trouble Diagnoses (Cont'd)

DIAGNOSTIC PROCEDURE 8

Theft warning is actuated when door is unlocked or trunk lid is opened with remote control.



A

CHECK THEFT WARNING CANCEL SIGNAL CIRCUIT.

- 1) Disconnect theft warning control unit 16-pin connector.
- 2) Remove key from ignition.
- 3) Close all doors and back door or trunk lid.

Check voltage between terminal ⑨ and GND when door unlock remote control function is operated.

Terminal	Operation	Voltage
⑨ - GND	Door is unlocked	12V → 0V → 12V

Does voltmeter gauge move when door is unlocked?

Yes → Check theft warning system. Refer to section EL.

No

B

Disconnect 12-pin connector from remote control unit. Check continuity between terminals ②⑩ of remote control unit and ⑨ of theft warning control unit. Does continuity exist?

Yes → Replace remote control unit.

No

Repair harness.

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IDX

Replacing Remote Controller or Control Unit

If the remote controller or the control unit needs to be replaced or if an additional remote controller needs to be set, enter the Identity (ID) code manually.

ID Code Entry Procedure

To enter the ID code, follow this procedure.

“Setting mode”.

Three steps must be followed to establish the “setting mode”.

- (1) Open the trunk.
- (2) Close and lock all doors.
- (3) Insert and remove the key from the ignition more than six times within 10 seconds.

- **At this time, the original ID codes are eliminated.**

ID code entry:

- (4) Unlock and lock the driver's door inside lock lever once.
- (5) Push lock button on the new remote controller once (for example, if door is locked using the remote controller during this ID code entry enable state, a new ID code can be entered).

- **At this time, the new ID code is entered.**

- (6) If you need to enter additional remote controllers (including the original) repeat the step (4) and (5) for each additional controller.
- (7) This ID code entry enable state and setting mode remain until any one of the doors is opened.

Note

- If the same ID code that existing in the memory is input, the entry is canceled, and no ID code will be entered.
- Entry of maximum four ID codes is allowed and any attempt to enter more will be ignored.
- Any ID codes entered after termination of the “setting” mode will not be accepted. Additionally remote control signals will be inhibited when an ID code has not been entered during the “setting” mode.