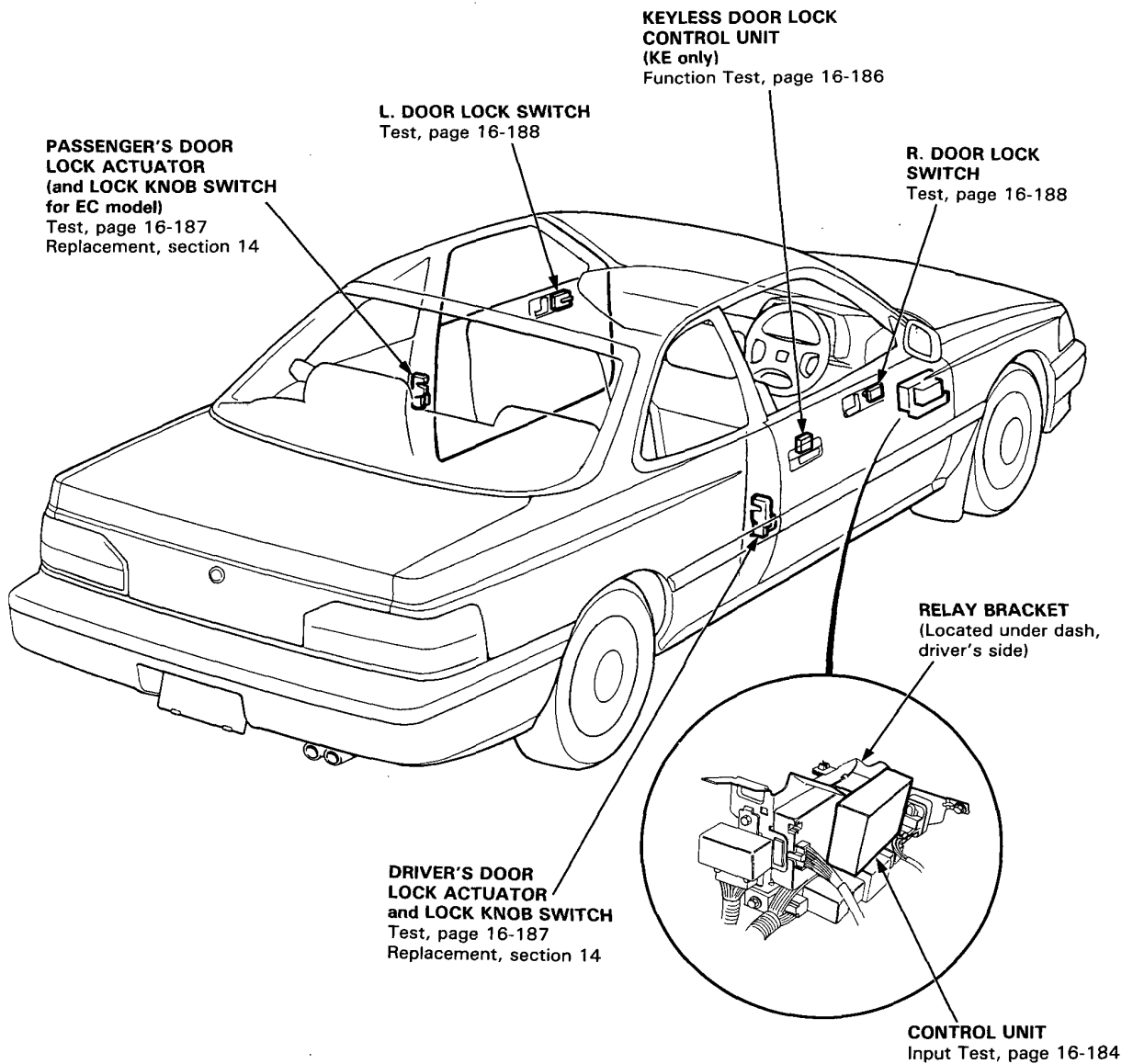


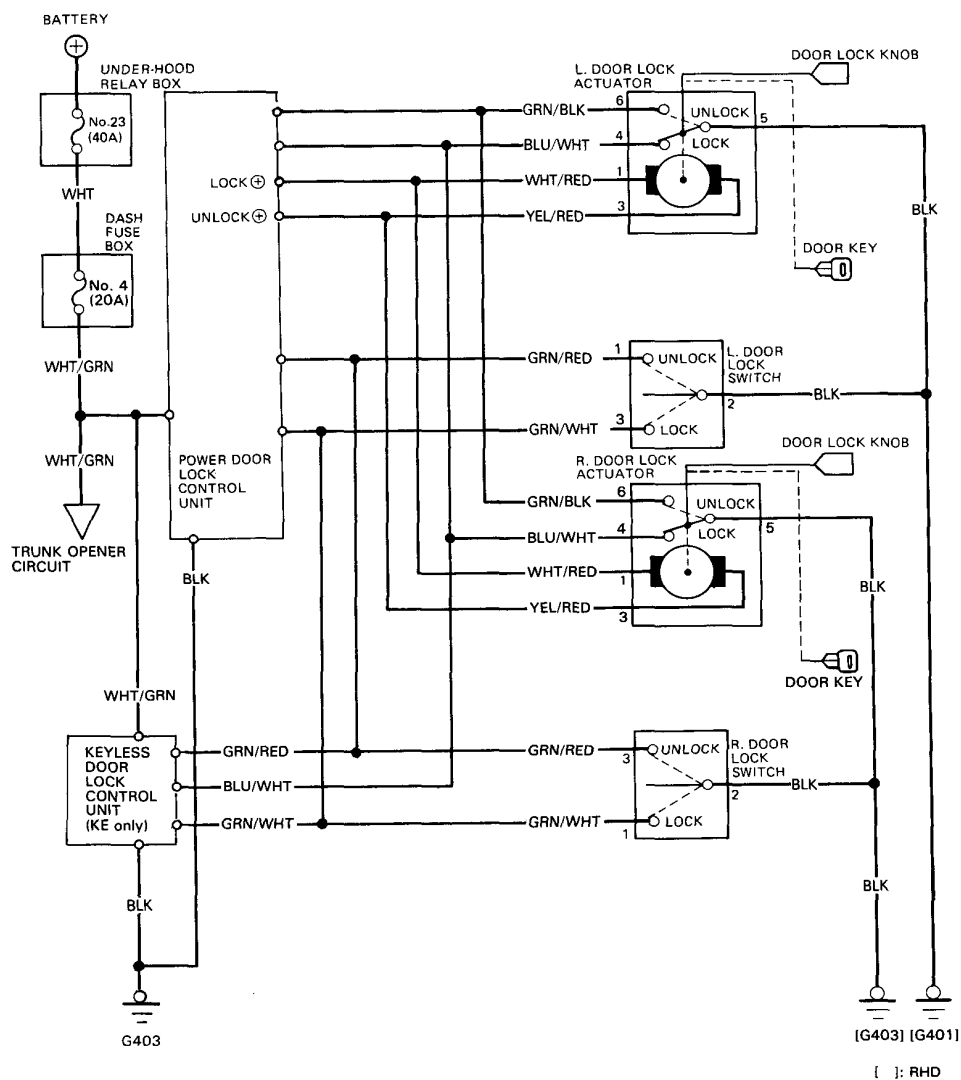
Power Door Locks

Component Location Index



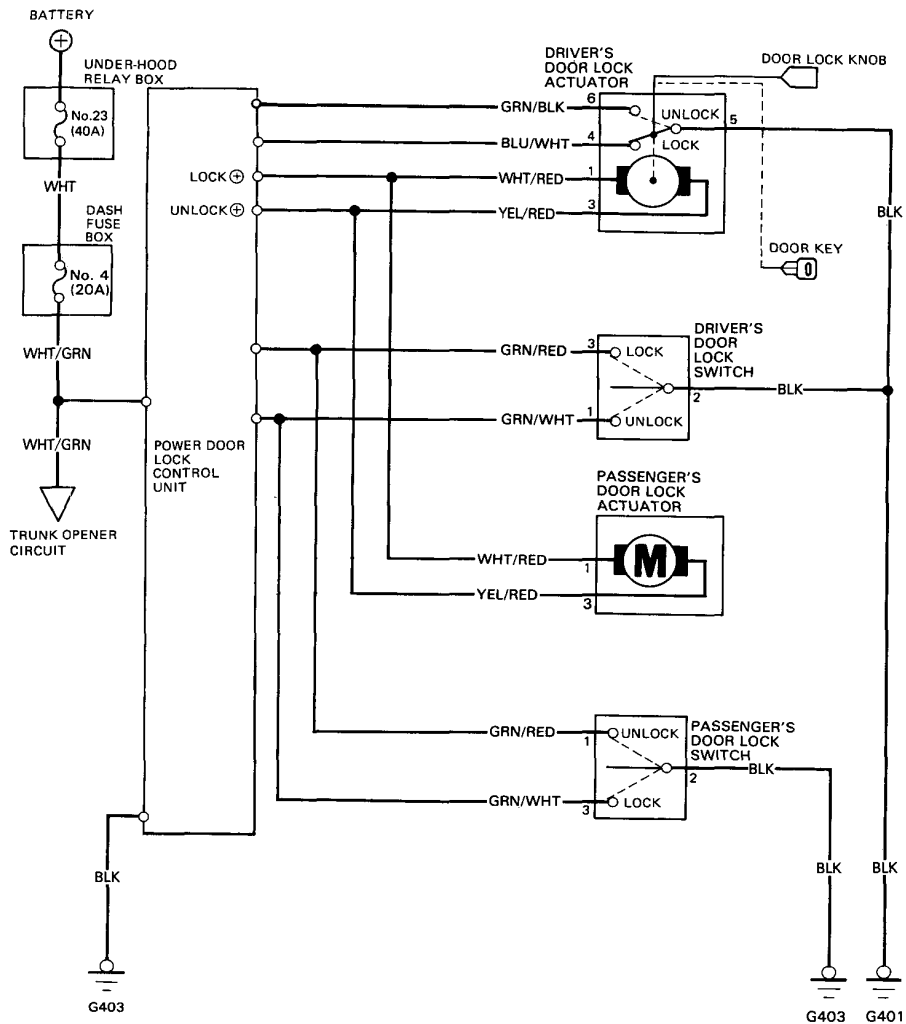


Circuit Diagram (EC model)



Power Door Locks

Circuit Diagram (Except EC model)





Troubleshooting

NOTE: The numbers in the table show the troubleshooting sequence.

Symptom	Item to be inspected												Open circuit in wires or loose or disconnected terminals
	Blown No. 23 (40 A) fuse (in the under-hood relay box)	Blown No. 4 (20 A) fuse (in the dash fuse box)	Disconnected or obstructed door lock rod/linkage	Driver's door lock knob switch (in the left door lock actuator)	Passenger's door lock knob switch (in the right door lock actuator)	Driver's door lock actuator	Passenger's door lock actuator	L. Door lock switch	R. Door lock switch	Control unit input	Keyless door lock system	Poor ground	
Power door lock system doesn't operate at all.	1	2								3		G403	WHT/GRN or WHT
Doors don't lock or unlock with the left door lock switch.	Both doors							1		2		G403 [G401]	GRN/RED or GRN/WHT
	Either door		1			2				3			WHT/RED or YEL/RED
Doors don't lock or unlock with the right door lock switch.	Both doors								1	2		G401 [G403]	GRN/RED or GRN/WHT
	Either door		1			2				3			WHT/RED or YEL/RED
Passenger's door doesn't lock or unlock with the driver's door lock knob.			1	2			3			4		G403	GRN/BLK, BLU/WHT, WHT/RED or YEL/RED

[]: RHD

EC model only:

Driver's door doesn't lock or unlock with the passenger's door lock knob.			1		2	3				4		G401	GRN/BLK, BLU/WHT, WHT/RED or YEL/RED
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KE model only:

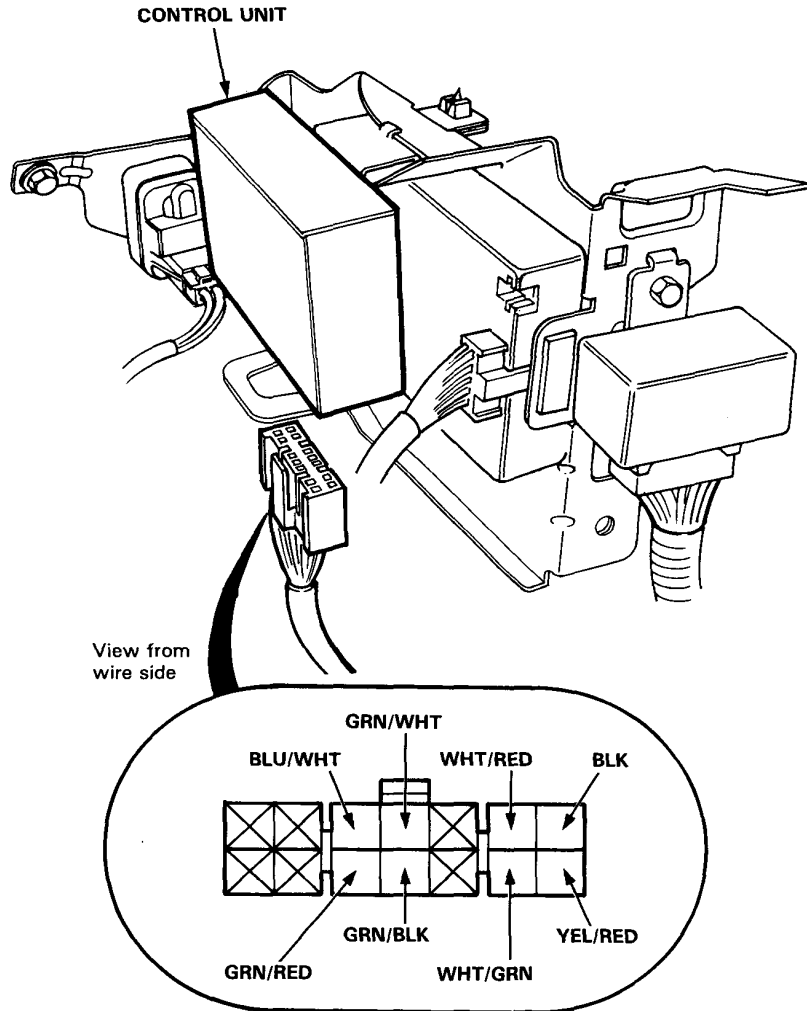
Power door lock system operates normally, but keyless door lock system doesn't operate at all.											1	G403	WHT/GRN, GRN/RED or GRN/WHT
In keyless locking/unlocking, doors won't be locked or unlocked by pressing the transmitter button once. (By pressing the button twice, the doors will be locked or unlocked.)				1							2	G401 or G403	BLU/WHT

Power Door Locks

Control Unit Input Test

Remove the dashboard lower panel, and the dash relay holder from the bracket to facilitate the input test, then disconnect the 14-P connector from the control unit. Make the following input tests at the harness pins.

NOTE: Recheck the connections between the 14-P connector and the control unit, then replace the control unit if all input tests prove OK.





No.	Wire	Test condition	Test: desired result	Possible cause (if result is not obtained)
1	BLK	Under all conditions.	Check for continuity to ground: should be continuity.	<ul style="list-style-type: none"> • Poor ground (G403). • An open in the wire.
2	WHT/GRN	Under all conditions.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> • Blown No. 23 (40 A) or No. 4 (20 A) fuse. • An open in the wire.
3	GRN/WHT	Left (or right) door lock switch in LOCK.	Check for continuity to ground: should be continuity as the switch is turned.	<ul style="list-style-type: none"> • Faulty left (or right) door lock switch. • Poor ground (G401 or G403). • An open in the wire.
	GRN/RED	Left (or right) door lock switch in UNLOCK.		
4	WHT/RED and YEL/RED	Connect the WHT/RED terminal to the WHT/GRN terminal, and the YEL/RED terminal to the BLK terminal momentarily.	Check door lock operation: Both doors should lock as the battery is connected momentarily.	<ul style="list-style-type: none"> • Faulty actuator. • An open in the wire.
		Connect the YEL/RED terminal to the WHT/GRN terminal, and the WHT/RED (or WHT) terminal to the BLK terminal momentarily.	Check door lock operation: Both doors should unlock as the battery is connected momentarily.	
5	BLU/WHT or (GRN/BLK)	Driver's door lock knob in LOCK (or UNLOCK).	Check for continuity to ground: should be continuity.	<ul style="list-style-type: none"> • Faulty driver's door lock actuator. • Poor ground (G403). • An open in the wire.

CAUTION: To prevent damage to the motor, apply battery voltage momentarily.

EC model only:

6	BLU/WHT or (GRN/BLK)	Passenger's door lock knob in LOCK (or UNLOCK).	Check for continuity to ground: should be continuity.	<ul style="list-style-type: none"> • Faulty passenger's door lock actuator. • Poor ground (G401). • An open in the wire.
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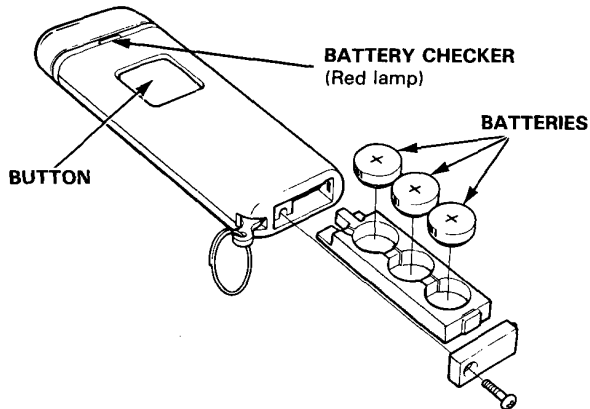
Power Door Locks

Keyless Door Lock Function Test

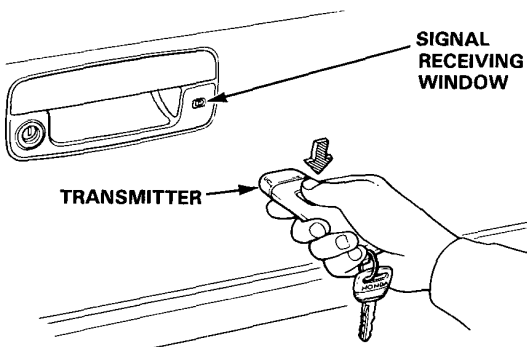
NOTE: Prior to checking the system with transmitter, check that the doors can be locked and unlocked with the driver's door lock switch.

1. Check that the red lamp lights when the button is pressed. If the red lamp fails to light, the batteries are dead. Replace the batteries.

Battery: LR44 alkali button battery



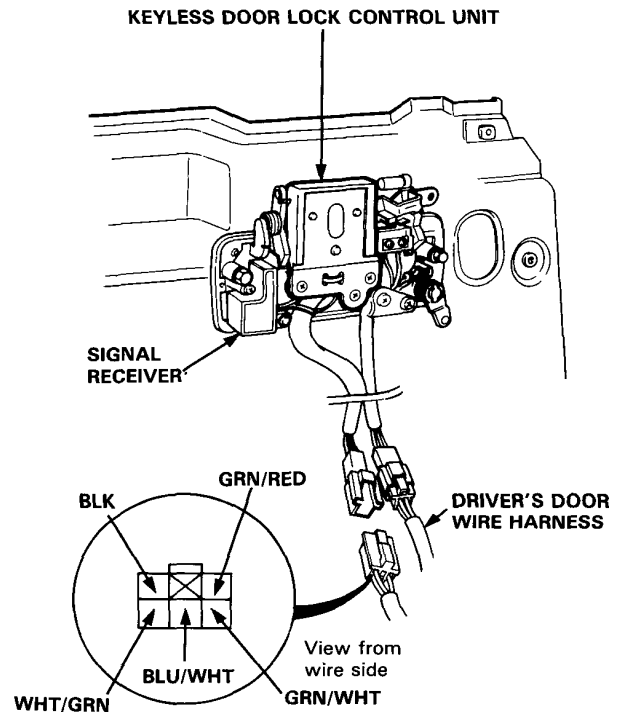
2. Before aiming the transmitter at the receiving window, remove wax or dirt from the window. Use the transmitter within 500 mm (20 in) from the signal receiving window. If the system fails to function, go to step 3.



3. Remove the driver's door trim panel and disconnect the 6-P connector from the keyless door lock control unit.

4. Check for continuity between the terminals and operation of the door locks as follows:

- Check that the battery voltage appears between the WHT/GRN terminal and body ground.
- Check that there is continuity between the BLK terminal and body ground.
- Check that all doors are locked (or unlocked) when the GRN/WHT (or GRN/RED) terminal is grounded.
- Check that there is continuity between the BLU/WHT terminal and body ground with the plunger on the driver's door pushed down in LOCK.



5. Replace the control unit if there is any abnormality in the operation of the system, even when the above tests prove satisfactory.



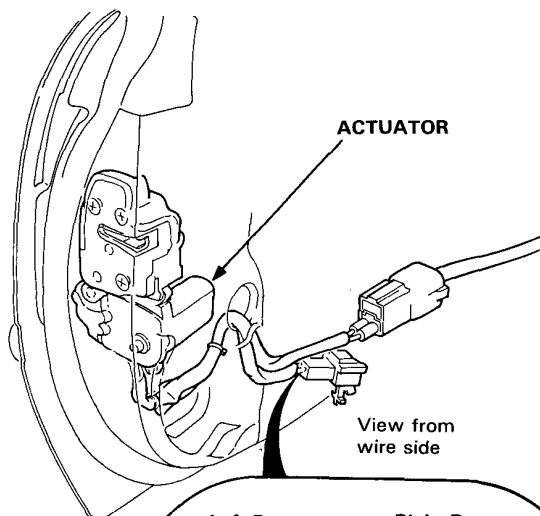
Actuator Test

1. Remove the door trim panel.
2. Disconnect the 6-P or 2-P connector of the actuator.
3. Test actuator operation:

LOCK: With battery positive connected to the No.1 terminal, connect negative to the No.3 terminal momentarily.

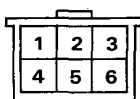
UNLOCK: With battery positive connected to the No.3 terminal, connect negative to the No.1 terminal momentarily.

CAUTION: To prevent damage to the motor, apply battery voltage momentarily.

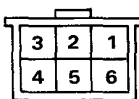


Driver's Door
(and Passenger's
Door for EC
model)

Left Door:



Right Door:

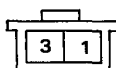


Passenger's Door
(Except EC)

Left Door:

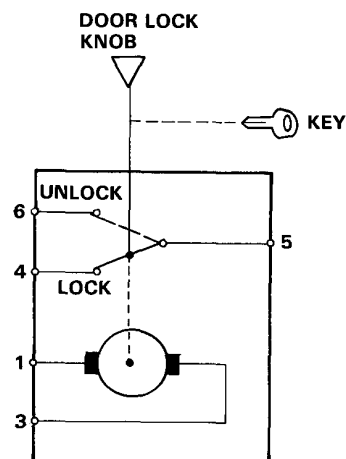


Right Door:



5. Check for continuity between the terminals in each switch position according to the table.

Terminal Position	4	5	6
LOCK			
UNLOCK			



4. If the actuator fails to operate properly, replace it.

Power Door Locks

Door Lock Switch Test

- 1. Remove the door trim panel.
- 2. Disconnect the 3-P connector of the switch.
- 3. Check for continuity between the terminals in each switch position according to the tables.

Left Door Switch

Terminal Position	1	2	3
UNLOCK	○ —	○ —	
OFF			
LOCK		○ —	○ —

Right Door Switch

Terminal Position	1	2	3
UNLOCK		○ —	○ —
OFF			
LOCK	○ —	○ —	

