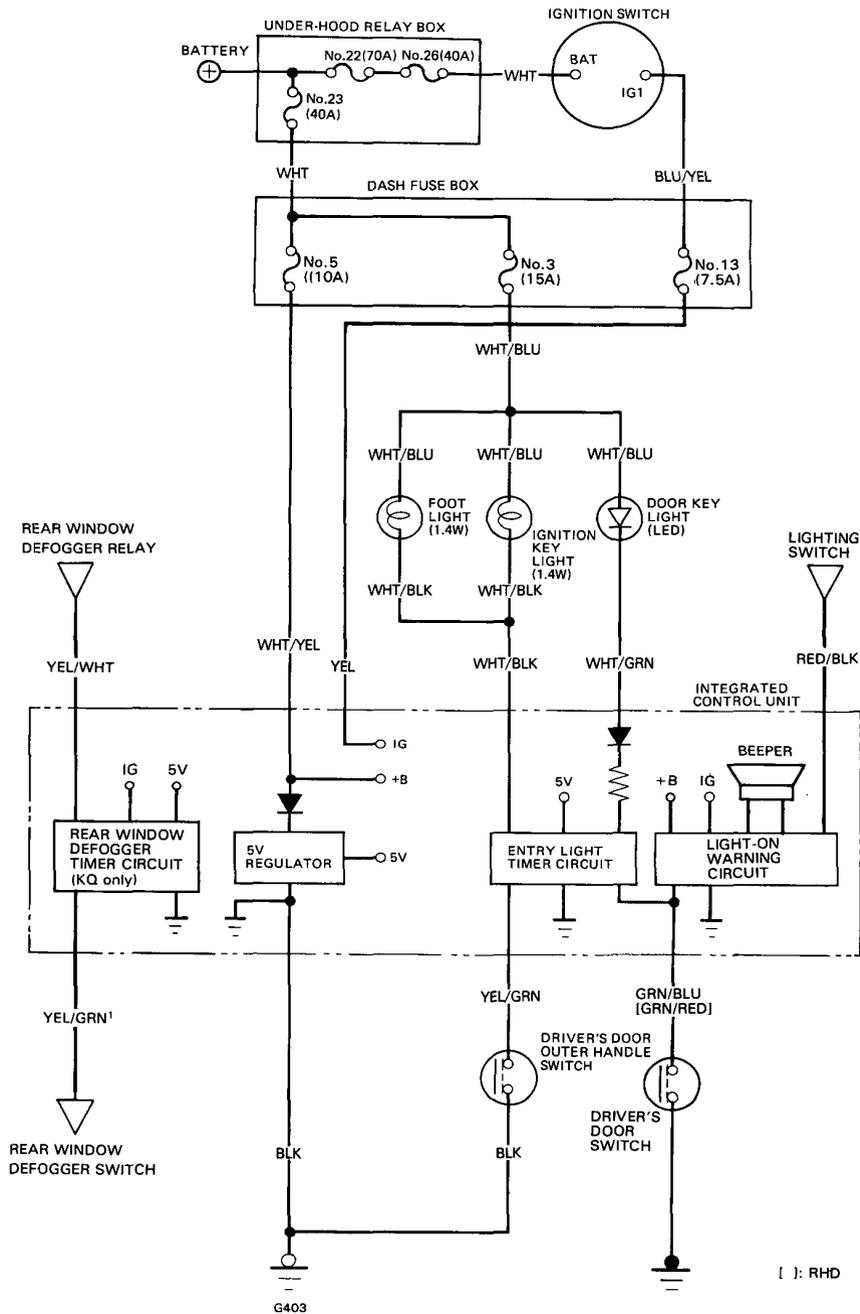


Integrated Control Unit

Circuit Diagram

NOTE: Several different wires have the same color. They have been given a number suffix to distinguish them (for example YEL/GRN¹ and YEL/GRN² are not the same).





Input Test

Description:

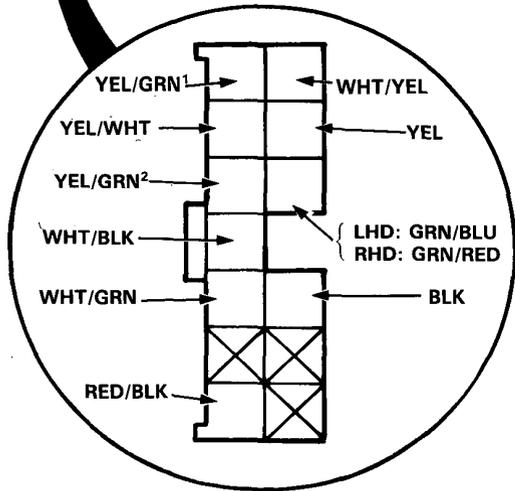
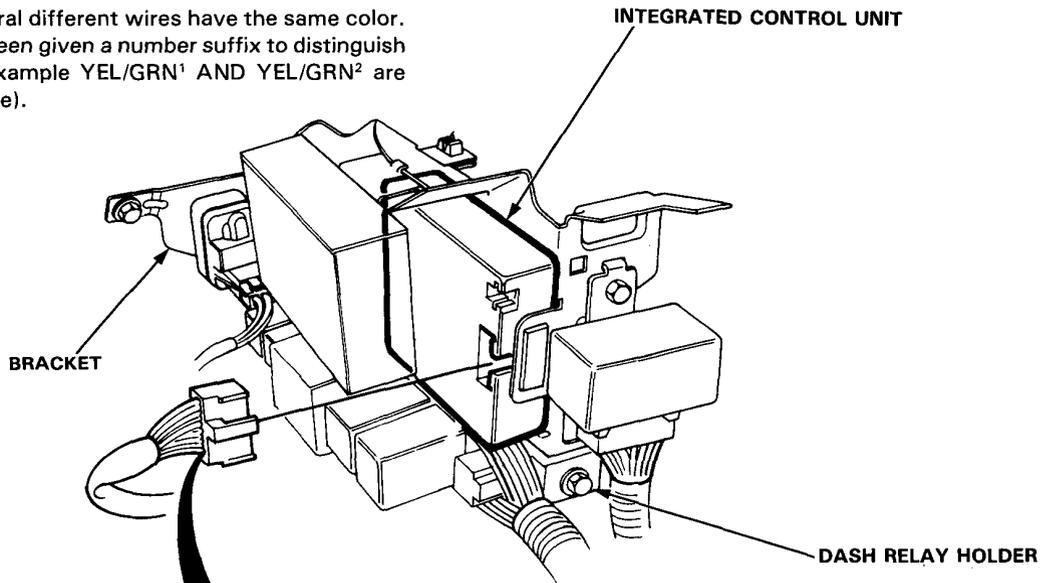
A multi-function control unit located under the driver's side of the dashboard, integrates the functions of the entry light timer, light-on warning and rear window defogger timer onto one circuit board, sharing common circuit functions.

Input Test:

Remove the dashboard lower panel, and the dash relay holder from the bracket, to disconnect the 13-P connector from the control unit.

Make the following input tests at the harness pins. If all tests prove OK, yet the system still fails to work, replace the control unit.

NOTE: Several different wires have the same color. They have been given a number suffix to distinguish them (for example YEL/GRN¹ AND YEL/GRN² are not the same).



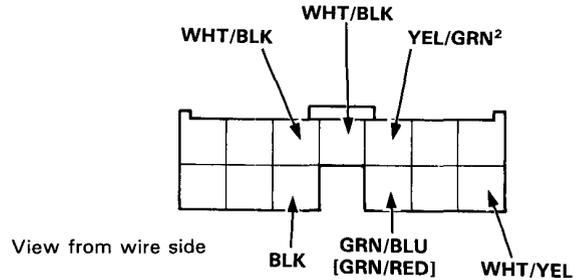
View from wire side

(cont'd)

Integrated Control Unit

Input Test (cont'd)

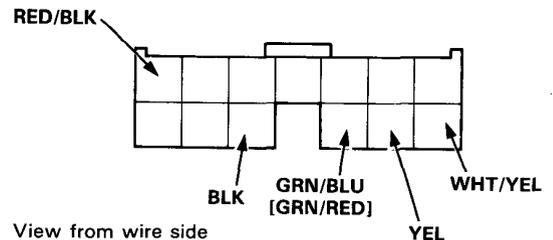
Entry Light Timer System:



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/YEL	Under all conditions.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> • Blown No. 5 (10A) fuse. • An open in the wire.
3	YEL/GRN ²	Driver's door outer handle pulled.	Check for continuity to ground: should be continuity as the outer handle is pulled.	<ul style="list-style-type: none"> • Faulty outer handle switch. • Poor ground (G403). • An open in the wire.
4	WHT/BLK	Under all conditions.	Attach to ground: Ignition key and foot lights should come on.	<ul style="list-style-type: none"> • Blown bulb or No. 3 (15A) fuse. • An open in the wire.
5	GRN/BLU [GRN/RED]	Driver's door opened.	Check for continuity to ground: should be continuity. NOTE: Before testing, remove No. 3 (15A) fuse.	<ul style="list-style-type: none"> • Faulty driver's door switch. • An open in the wire.
6	WHT/GRN	Under all conditions.	Check for voltage to ground: should be about 10V.	<ul style="list-style-type: none"> • Faulty door key light. • An open in the wire.

[]: RHD

Light-on Warning System:

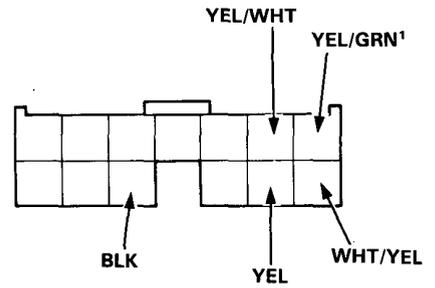


No.	Wire	Test condition	Test: desired result	Possible cause (if result is not obtained)
1	BLK	Under all conditions.	Check for continuity to ground: should be continuity.	<ul style="list-style-type: none"> • Poor ground (G403). • An open in the wire.
2	WHT/YEL	Under all conditions.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> • Blown No. 5 (10A) fuse. • An open in the wire.
3	YEL	Ignition switch ON.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> • Blown No. 13 (7.5A) fuse. • An open in the wire.
4	GRN/BLU [GRN/RED]	Left door opened.	Check for continuity to ground: should be continuity. NOTE: Before testing, remove No. 3 (15A) fuse.	<ul style="list-style-type: none"> • Faulty driver's door switch. • An open in the wire.
5	RED/BLK	Lighting switch ON.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> • Blown No. 7 (15A) fuse. • Faulty lighting switch. • An open in the wire.

[]: RHD



Rear Window Defogger Timer System:



View from wire side

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	YEL	Ignition switch ON.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> • Blown No. 13 (7.5A) fuse. • An open in the wire.
3	WHT/YEL	Under all conditions.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> • Blown No. 5 (10A) fuse. • An open in the wire.
4	YEL/GRN1	Defogger switch pushed.	Check for continuity to ground: should be continuity as the switch is pushed.	<ul style="list-style-type: none"> • Faulty defogger switch. • Poor ground (G701). • An open in the wire.
5	YEL/WHT	Ignition switch ON.	Attach to ground: Rear window defogger should work and the defogger switch indicator light should come on.	<ul style="list-style-type: none"> • Blown No. 9 (10A) fuse. • Faulty defogger relay. • Blown bulb. • An open in the wire.