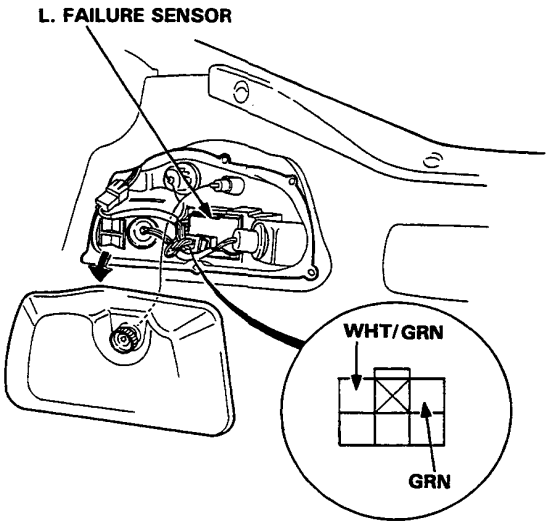
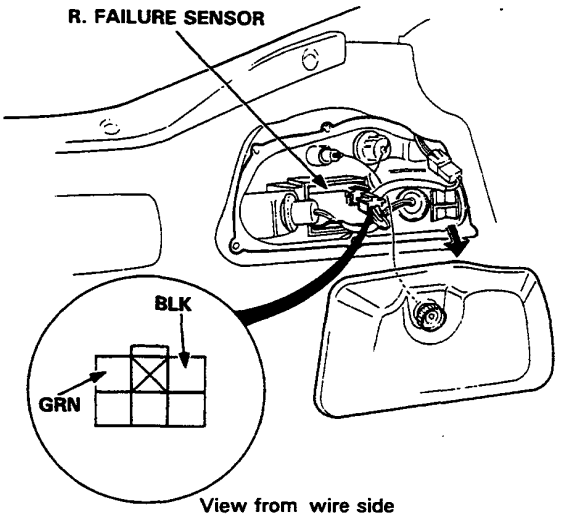
Brake Light Failure Sensor Test

1. First make sure the brake lights come on when the brake pedal is pressed.
   - If none of the brake lights come on, check the brake light circuit (see page 16-141).
   - If one of the brake lights does not comes on, check whether the bulb is blown. If the bulb is OK, go to step 2.
   - If all the brake lights come on, go to step 2.
2. Open the trunk lid and the maintenance lid of the left taillight. Make sure the BRAKE LAMP of the safety indicator does not come on when the WHT/GRN terminal of the 6-P connector is grounded and the ignition switch is turned OFF to ON.



View from wire side

   - If the BRAKE LAMP comes on, check for an open in the WHT/GRN wire between the safety indicator and the left failure sensor and whether the safety indicator has a problem.
   - If the BRAKE LAMP does not come on, go to step 3.
3. Make sure the BRAKE LAMP does not come on when the ignition switch is turned OFF to ON with the GRN terminal of the 6-P connector grounded and the brake peal pressed.
   - If the BRAKE LAMP comes on, replace the left failure sensor.
   - If the BRAKE LAMP does not come on, go to step 4.
4. Open the maintenance lid of the right taillight. Make sure the BRAKE LAMP does not come on when the ignition switch is turned OFF to ON with the GRN terminal of the 6-P connector grounded and the brake pedal pressed.



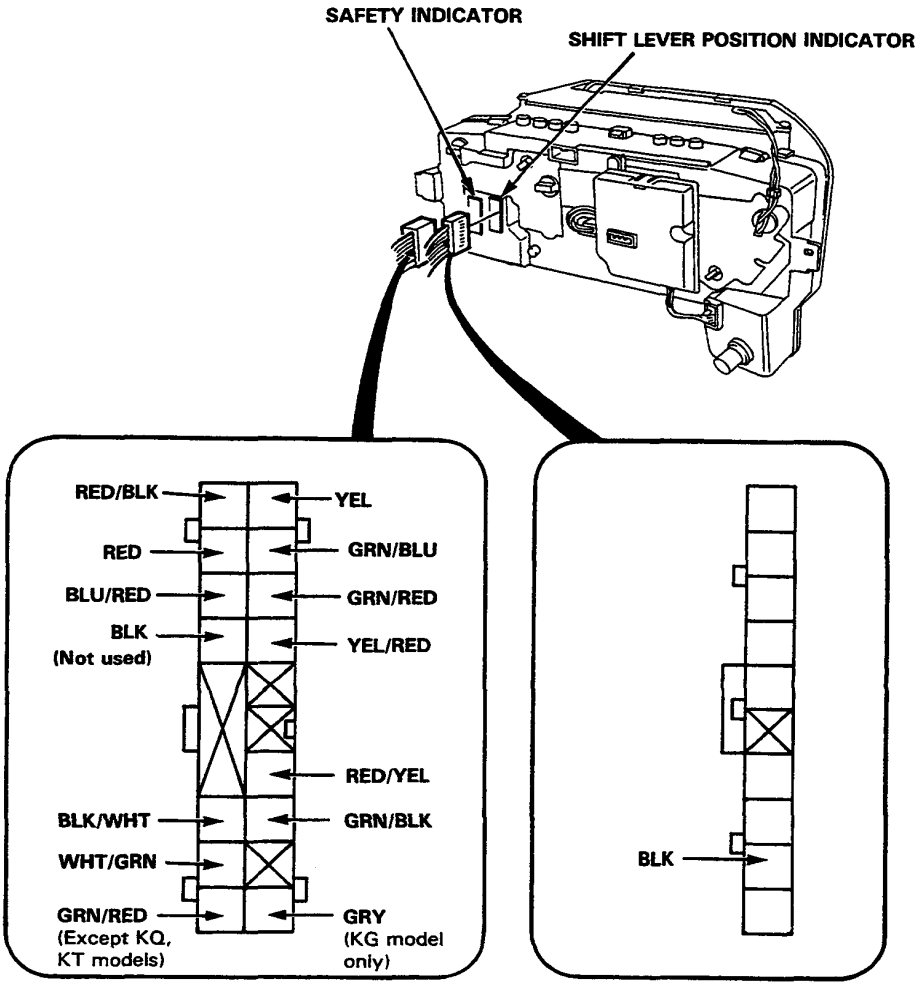
View from wire side

   - If the BRAKE LAMP comes on, there is an open in the GRN wire between the left failure sensor and the right failure sensor.
   - If the BRAKE LAMP does not come on, go to step 5.
5. Make sure the BRAKE LAMP does not come on when the ignition switch is turned OFF to ON with the BLK terminal of the 6-P connector grounded and the brake pedal pressed.
   - If the BRAKE LAMP comes on, replace the right failure sensor.
   - If the BRAKE LAMP does not come on, check for an open in the BLK wire between the right failure sensor and ground, and check whether the G501 terminal is poor.

Safety Indicator

Indicator Input Test

Remove the gauge assembly from the dashboard to disconnect the 10-P and 16-P connector from the indicators.
Make the following input tests at the harness pins.
If all tests prove OK, yet the indicator still fails to work, replace the indicator assembly.



View from wire side

* Used for shift lever position indicator.

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.	• Poor ground (L.H.Drive: G701), (R.H.Drive: G401, 402, 471). • An open in the wire.
2	YEL	Ignition switch ON.	Check for voltage to ground: should be battery voltage.	• Blown No. 13 (10 A) fuse. • An open in the wire.
3	WHT/GRN	Brake pedal pushed.	Check for continuity to ground: should be continuity with the pedal pushd.	• Blown No. 32 (15 A) fuse. • Faulty brake light switch. • Blown brake light bulbs. • Faulty brake light failure sensors. • Poor ground (G501). • An open in the WHT/GRN or GRN/WHT wire.
4	GRN/BLK	Trunk lid opened.	Check for continuity to ground: should be continuity. NOTE: Before testing, remove No. 8 (15 A) fuse.	• Faulty trunk latch switch. • An open in the wire.
5	RED/BLK and RED	Lighting switch ON and dashlight brightness control dial in full bright.	Check for voltage between RED/BLK (+) and RED (−) terminals: should be battery boltage.	• Faulty dashlight brightness control system. • An open in the wire.
6	GRN/BLU	Left door opened.	Check for continuity to ground: should be continuity. NOTE: Before testing, remove No. 8 (15 A) fuse.	• Faulty door switch. • An open in the wire.
	GRN/RED	Right door opened.		
7	BLK/WHT	Dome light switch in MIDDLE position.	Attach to ground: Dome light should come on.	• Blown No. 8 (15 A) fuse. • Faulty dome light. • An open in the WHT/BLU or BLK/WHT wire.
8	RED/YEL	Headlight retractor motor operated with retractor switch ON and OFF repeatedly.	Check for voltage to ground: should be 0 V.	• Faulty retractor control unit. • Frozen, stuck, or improperly installed retractor linkage.
9	GRN/RED	Ignition switch ON	Attach to ground; Brake warning light should come on.	• Blown brake warning light bulb. • An open in the wire.
10	BLU/RED or YEL/RED	Ignition switch ON, shift lever position S and S_4 switch ON.	Check for voltage to ground: should be battery voltage.	• Faulty S_4 switch. • Faulty A/T control system. • An open in the wire.

KG model only

11	GRY	With brake pedal released, ignition switch OFF to ON.	Check for continuity in both directions between the G and BI terminals: should be continuity in only one direction as the ignition switch is turned ON, then no continuity in both directions with brake pedal pushed.	• Faulty brake light circuit failure sensor.