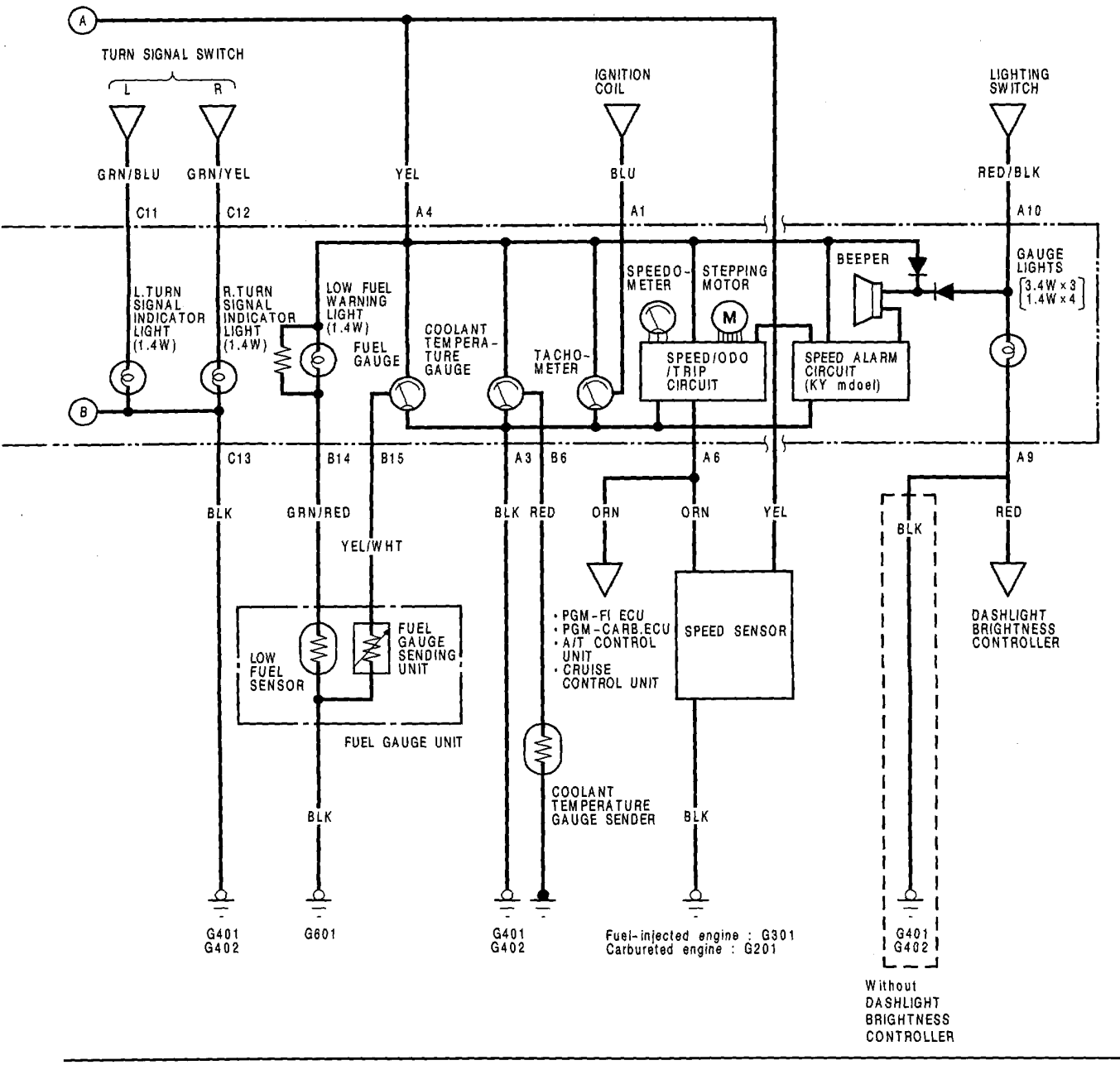
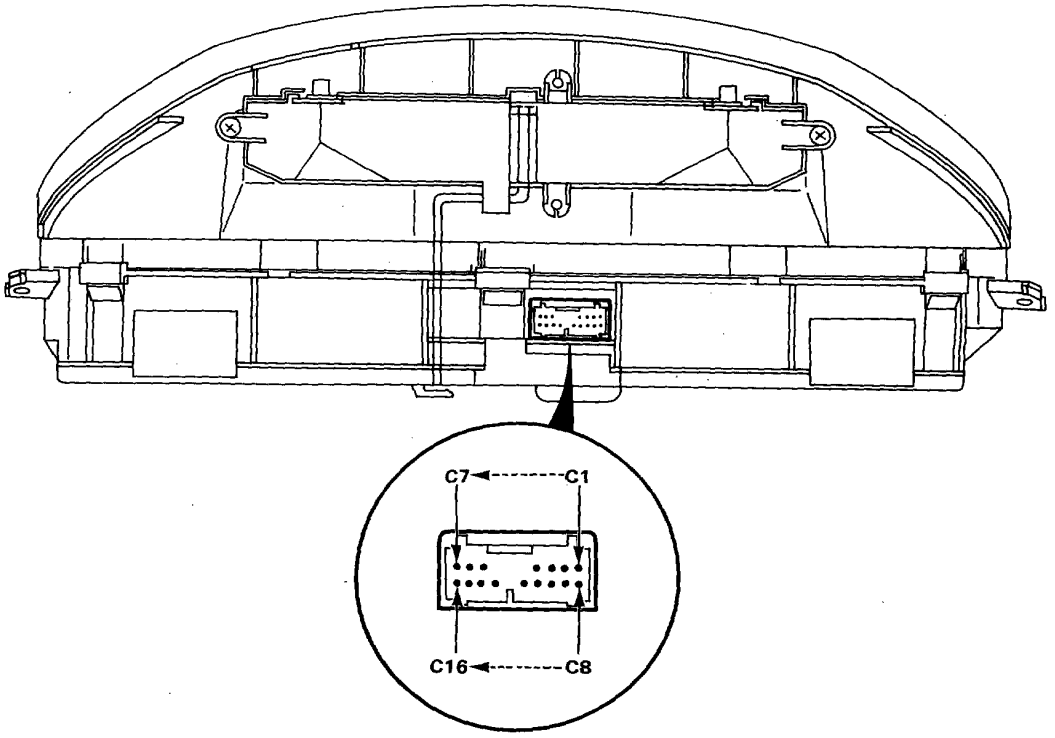
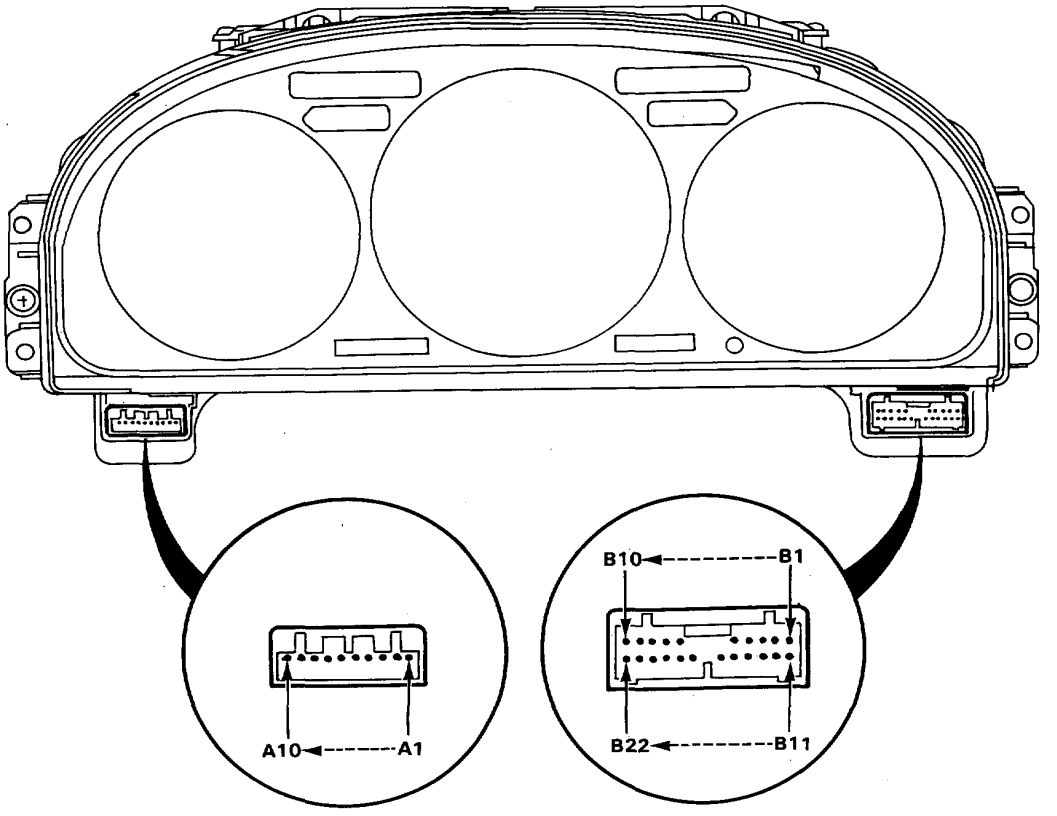

A
TURN SIGNAL SWITCH
L
R
GRN/BLU
GRN/YEL
C11
C12
L.TURN SIGNAL INDICATOR LIGHT (1.4W)
R.TURN SIGNAL INDICATOR LIGHT (1.4W)
B
C13
BLK
LOW FUEL WARNING LIGHT (1.4W)
FUEL GAUGE
B14
GRN/RED
B15
YEL/WHT
LOW FUEL SENSOR
FUEL GAUGE SENDING UNIT
FUEL GAUGE UNIT
BLK
G401
G402
G601
YEL
A4
COOLANT TEMPERATURE GAUGE
TACHOMETER
A3
B6
BLK
RED
COOLANT TEMPERATURE GAUGE SENDER
G401
G402
IGNITION COIL
BLU
A1
SPEEDOMETER
STEPPING MOTOR
M
SPEEDO/ODO/TRIP CIRCUIT
SPEED ALARM CIRCUIT (KY model)
BEEPER
A6
ORN
ORN
YEL
• PGM-FI ECU
• PGM-CARB.ECU
• A/T CONTROL UNIT
• CRUISE CONTROL UNIT
SPEED SENSOR
BLK
Fuel-injected engine : G301
Carbureted engine : G201
LIGHTING SWITCH
RED/BLK
A10
GAUGE LIGHTS (3.4W x 3 1.4W x 4)
A9
RED
DASHLIGHT BRIGHTNESS CONTROLLER
BLK
G401
G402
Without DASHLIGHT BRIGHTNESS CONTROLLER

Gauge Assembly

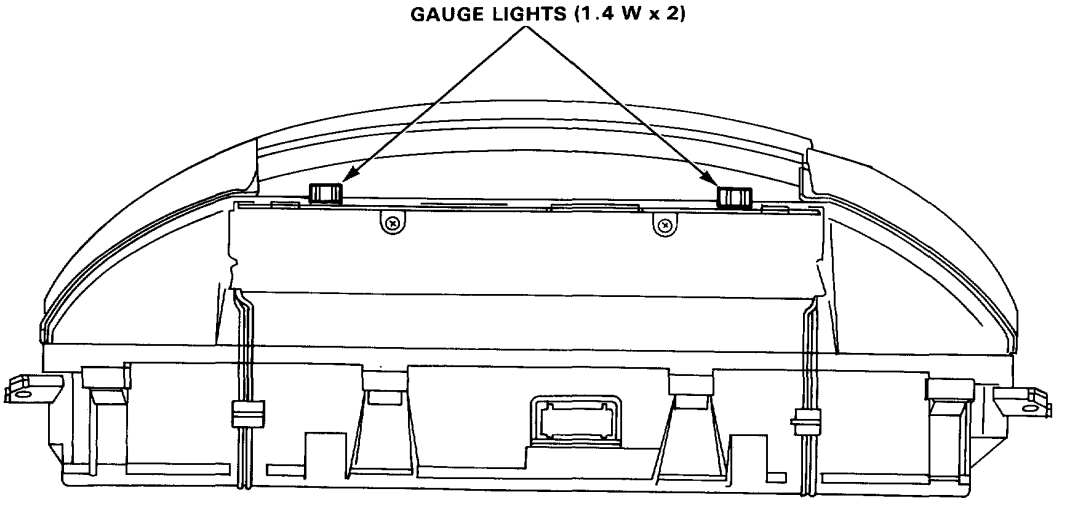
Terminal Locations

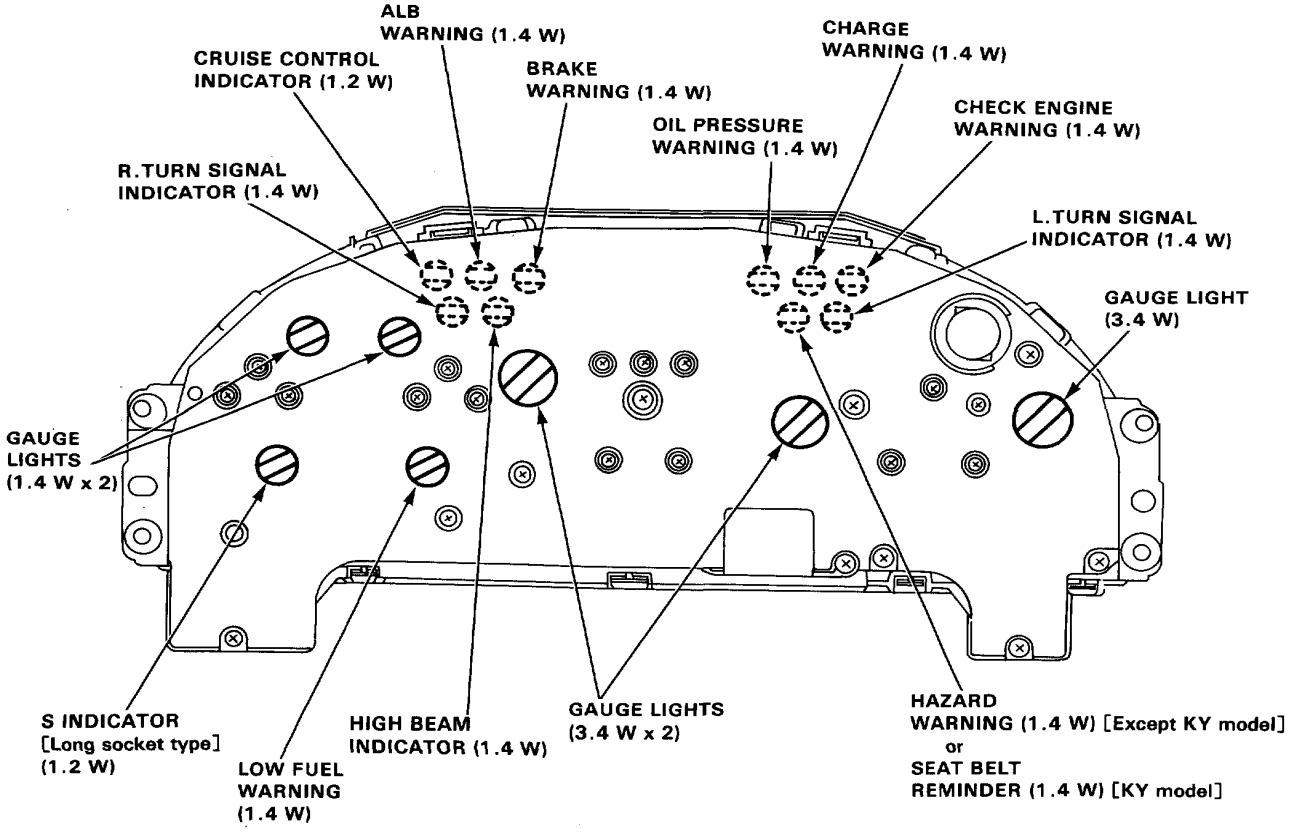


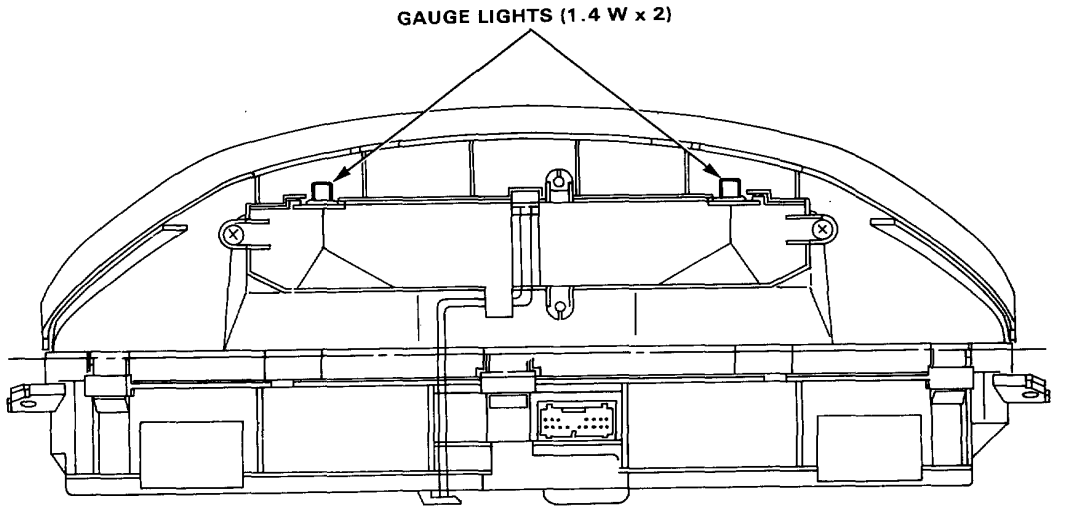

B10
B1
A10
A1
B22
B11

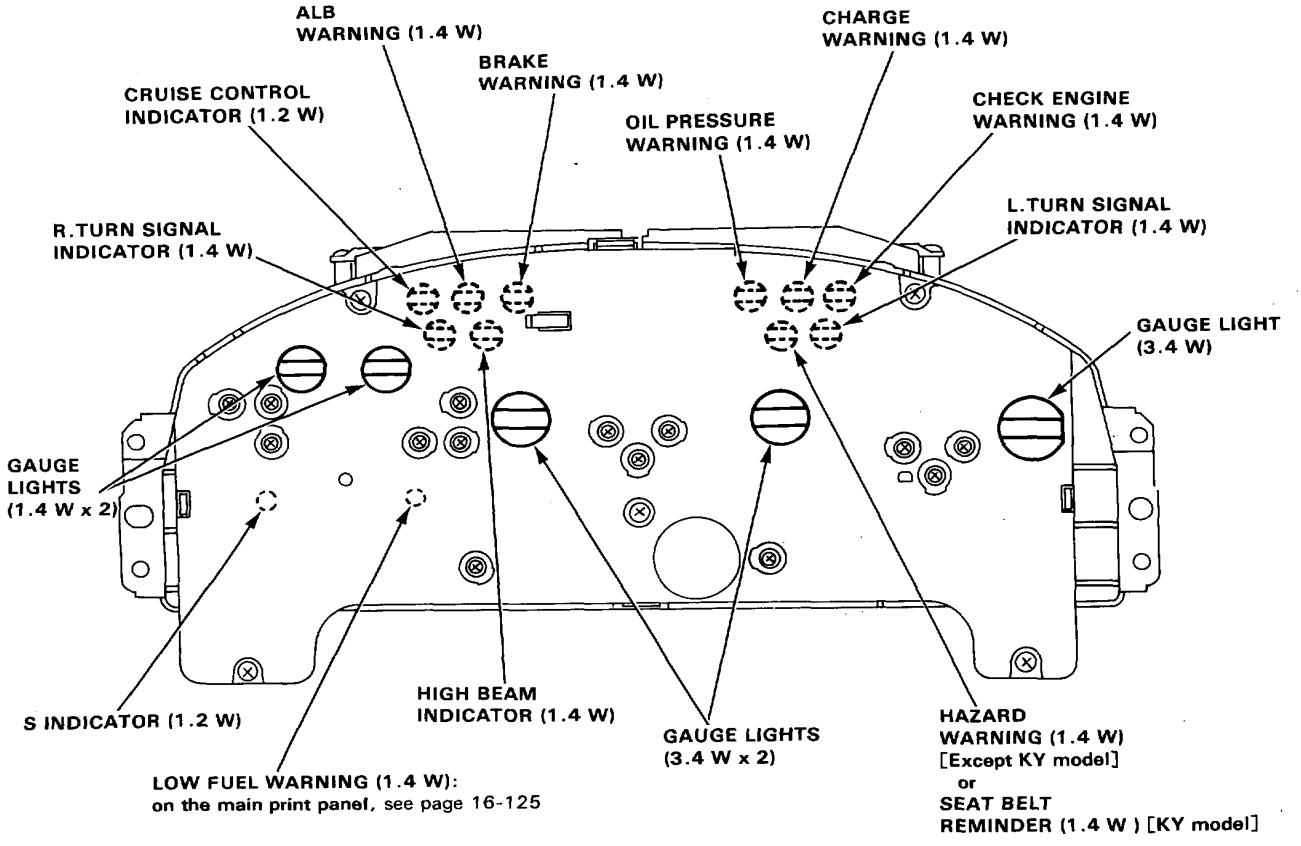
Gauge Assembly

Bulb Locations (ND)





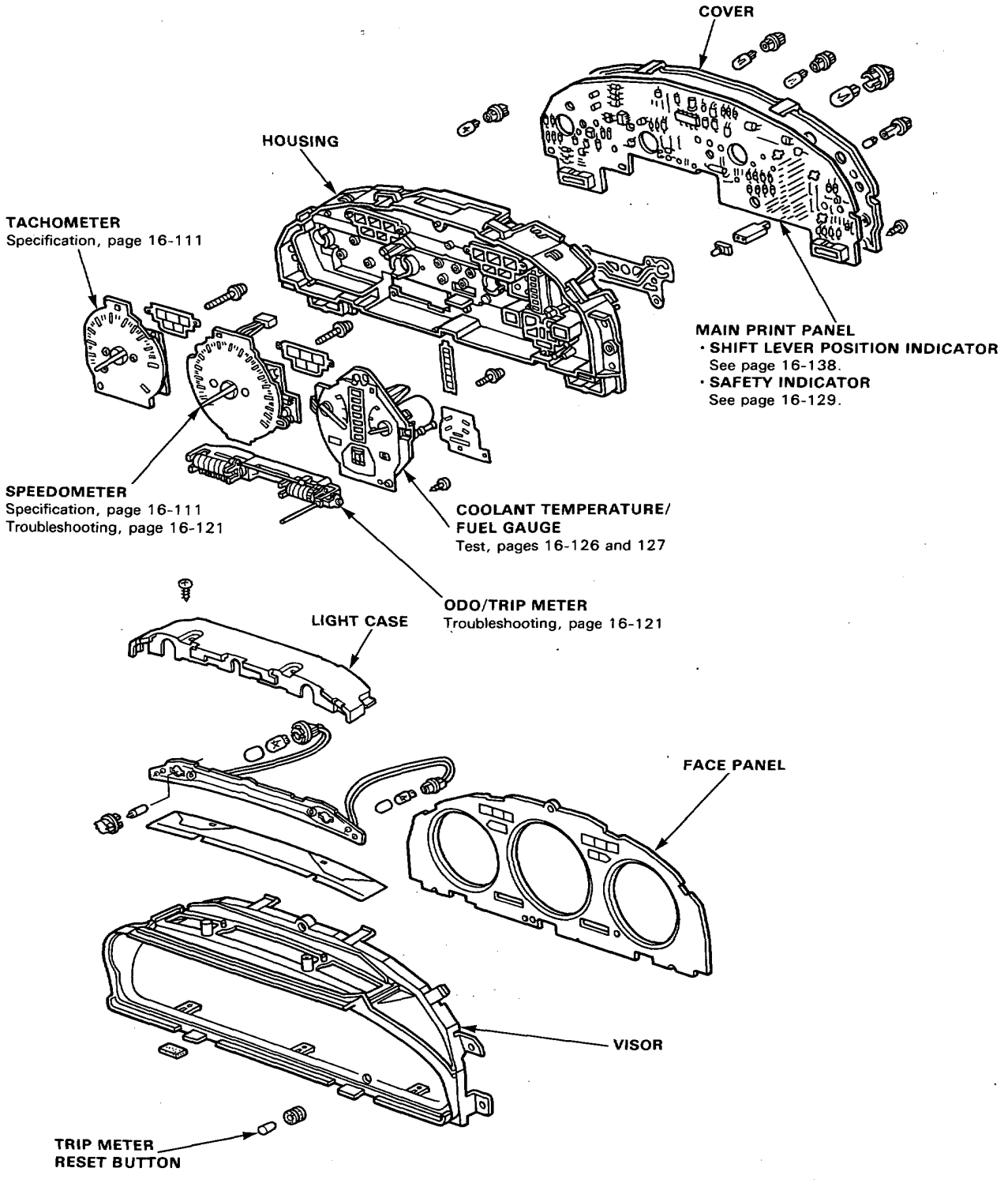

GAUGE LIGHTS (1.4 W x 2)


ALB
WARNING (1.4 W)
BRAKE
WARNING (1.4 W)
CHARGE
WARNING (1.4 W)
CRUISE CONTROL
INDICATOR (1.2 W)
OIL PRESSURE
WARNING (1.4 W)
CHECK ENGINE
WARNING (1.4 W)
R.TURN SIGNAL
INDICATOR (1.4 W)
L.TURN SIGNAL
INDICATOR (1.4 W)
GAUGE LIGHT
(3.4 W)
GAUGE
LIGHTS
(1.4 W x 2)
S INDICATOR (1.2 W)
HIGH BEAM
INDICATOR (1.4 W)
GAUGE LIGHTS
(3.4 W x 2)
HAZARD
WARNING (1.4 W)
[Except KY model]
or
SEAT BELT
REMINDER (1.4 W) [KY model]
LOW FUEL WARNING (1.4 W):
on the main print panel, see page 16-125

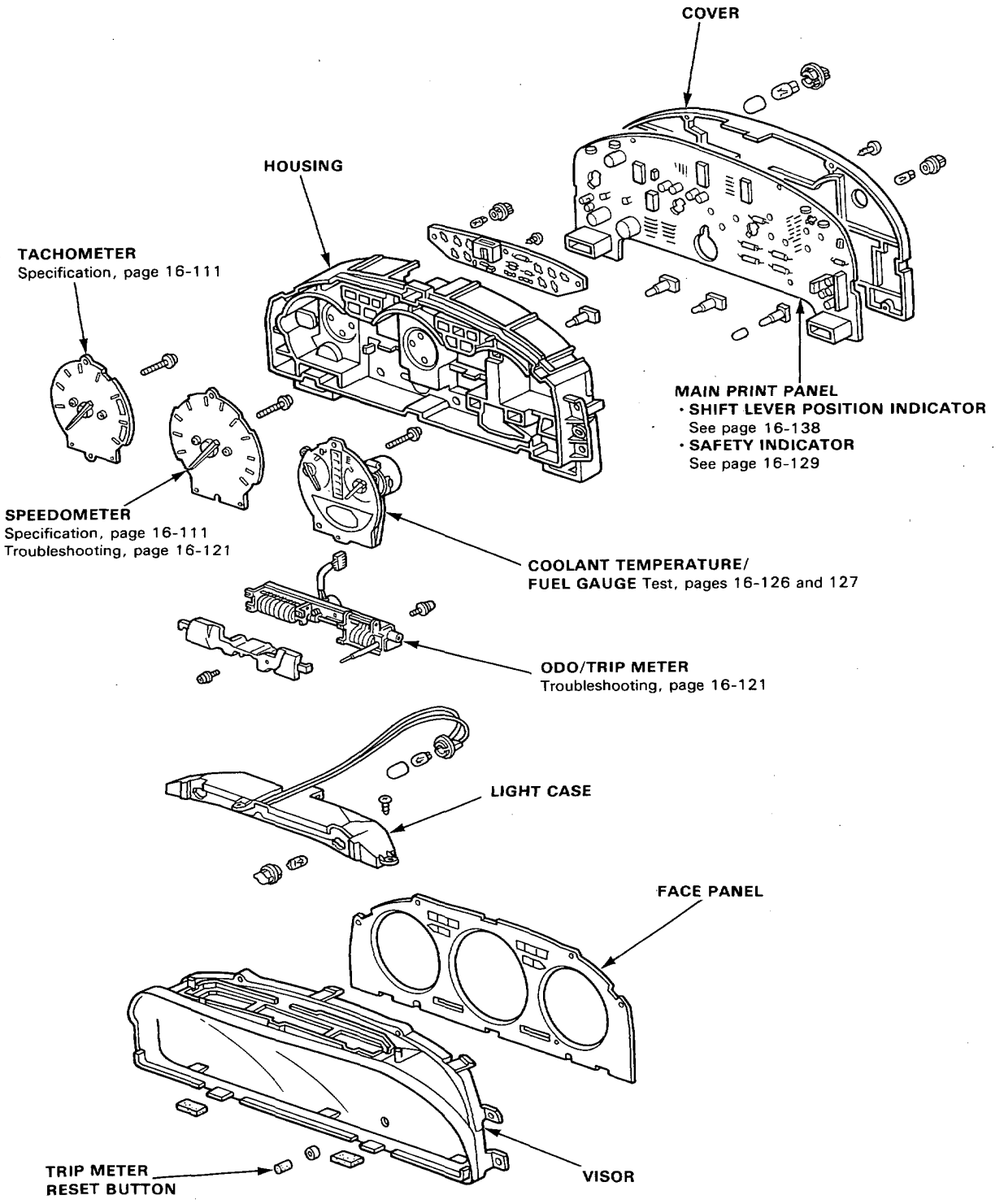
Gauge Assembly

Disassembly (ND)

NOTE: Handle the terminals and printed circuits carefully to avoid damaging them.



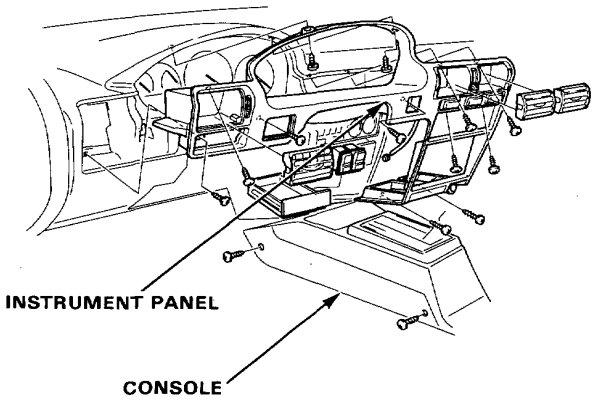
(NS)


COVER
HOUSING
TACHOMETER
Specification, page 16-111
MAIN PRINT PANEL
· SHIFT LEVER POSITION INDICATOR
See page 16-138
· SAFETY INDICATOR
See page 16-129
SPEEDOMETER
Specification, page 16-111
Troubleshooting, page 16-121
COOLANT TEMPERATURE/
FUEL GAUGE Test, pages 16-126 and 127
ODO/TRIP METER
Troubleshooting, page 16-121
LIGHT CASE
FACE PANEL
TRIP METER
RESET BUTTON
VISOR

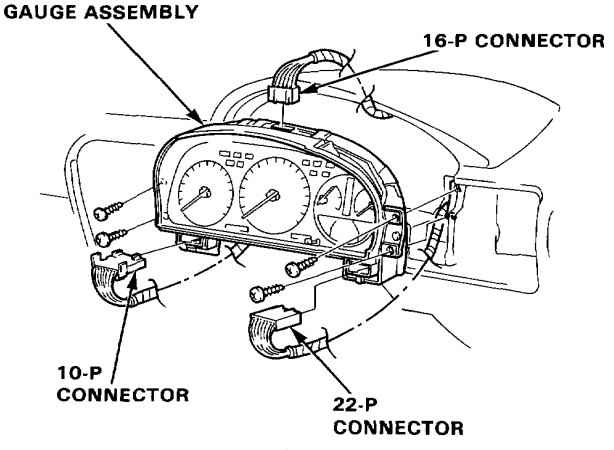
Gauge Assembly

Removal

1. Remove the console and the instrument panel from the dashboard, then disconnect each switch connector.

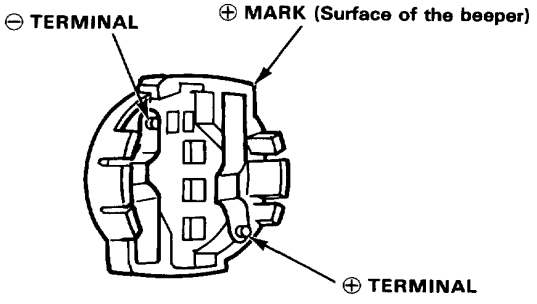


2. Remove the 4 screws and the gauge assembly, then disconnect 10-P, 16-P and 22-P connectors.



Beeper Test (ND)

1. Remove the beeper from the gauge assembly.
2. Test the beeper operation by connecting the battery positive to the ⊕ terminal (⊕ mark), and negative to the ⊖ terminal.



3. If the beeper fails to operate, replace it.

Speed/Odo/Trip meter Troubleshooting

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

Item to be inspected / Symptom	Blown No.1 (10 A) fuse (in the dash fuse box)	ND		NS		Speed sensor input test	Speed sensor is not installed correctly	Poor ground	Open circuit in wires or loose or disconnected terminals
		Speedometer	Odo/trip meter	Main print panel	Odo/trip meter				
Speedometer does not operate.		1		1					ORN
Speedometer operates, but deflection error is great.		2		2			1		
Odo/trip meter does not operate.			1		1				
Speedometer and odo/trip meter do not operate.	1	3		3			2	G401 G402	YEL or ORN

NOTE:

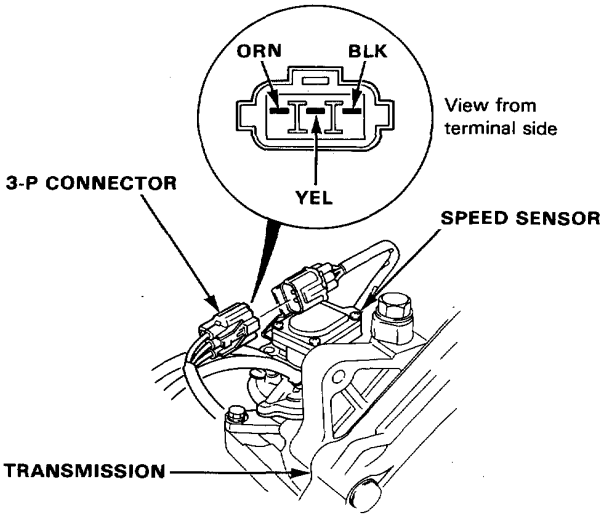
- NS speedometer circuit is built in the main print panel assembly.
- Replace all of the main print panel, the tachometer, the speedometer and the odo/trip meter as a set if one of the above parts is defective.

Gauge Assembly

Speed Sensor Input Test

NOTE: Check the No.1 (10 A) fuse in the dash fuse box before testing.

1. Disconnect the 3-P connector from the speed sensor.



2. Check for continuity between the BLK terminal and body ground.
   There should be continuity.
   - If there is no continuity, check for:
     - An open in the BLK wire.
     - Poor ground { Fuel-injected engine: G301 / Carbureted engine: G201 }
   - If there is continuity, go to step 3.

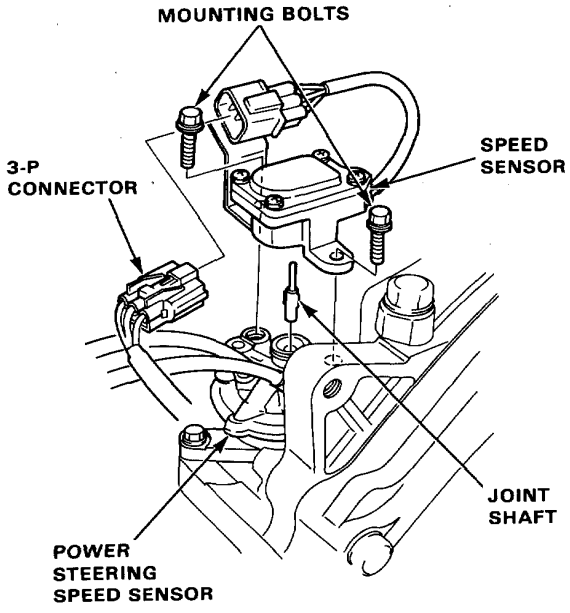
3. Check for voltage between the YEL terminal and body ground with the ignition switch ON.
   There should be battery voltage.
   - If there is no voltage, check for an open in the YEL wire.
   - If there is battery voltage, go to step 4.

4. Check for voltage between the ORN terminal and body ground with the ignition switch ON.
   There should be approximately 5 V.
   - If there is no voltage, check for:
     - A6 terminal of gauge assembly (see page 16-115).
     - An open in the ORN wire.
   - If there is approximately 5 V, go to step 5.

5. If all continuity and voltage tests are normal, but the speedometer and the odo/trip meter do not operate, replace the speed sensor.

Replacement

1. Disconnect the 3-P connector from the speed sensor.
2. Remove the mounting bolts and the speed sensor from the power steering speed sensor.



3. Install in the reverse order of removal.

   NOTE: Be careful not to loose the joint shaft, for it is a tiny part.

Brake Warning System

Description

NOTE: Refer to page 16-112 for wiring description of the circuit check system.

Description:
The brake warning light goes on if the parking brake is applied, if the brake fluid level is low, and as a circuit test while cranking the engine.

Parking Brake:
With the ignition switch in "Run"or "Start", and the parking brake switch closed, the brake warning light operates to remind the driver that the parking brake is applied.

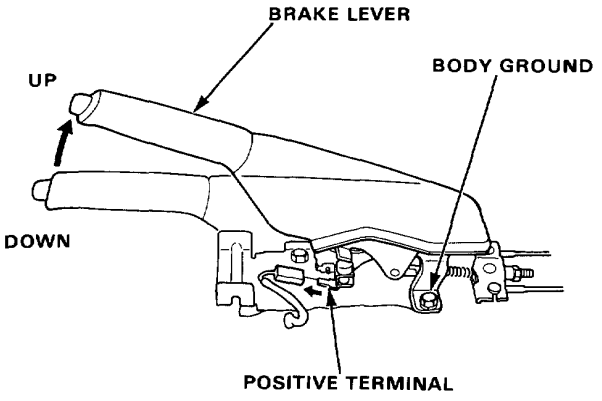
Brake Fluid Level:
With the ignition switch in "Run"or"Start", and the brake fluid level switch closed, the brake warning light operates to warn the driver of low brake fluid level in the brake master cylinder.

NOTE: Low fluid level indicates brake wear or system leaks; check brake pad wear before adding fluid.

Circuit Check: KY model only
With the ignition switch in "Start", voltage is applied through the No.9 (7.5A) fuse in the dash fuse box to the circuit check built into the integrated control unit. The circuit check transistor is on, and current flows through the No.1 (10A) fuse in the dash fuse box, the brake warning light and the circuit transistor to ground. The brake warning light operates. This operation tests the brake warning circuit and bulb.

Parking Brake Switch Test

1. Remove the center console and disconnect the connector from the switch.
2. There should be continuity between the positive terminal and body ground with the brake lever up.
   There should be no continuity with the brake lever down.



Brake Fluid Level Switch Test

1. Remove the reservoir cap. Check that the float moves up and down freely.
   Replace the reservoir cap assembly if the float does not move freely.
2. Check for continuity between the terminals with the float up and down.
   There should be continuity with the float down and no continuity with the float up.
   Replace the reservoir cap assembly if necessary.