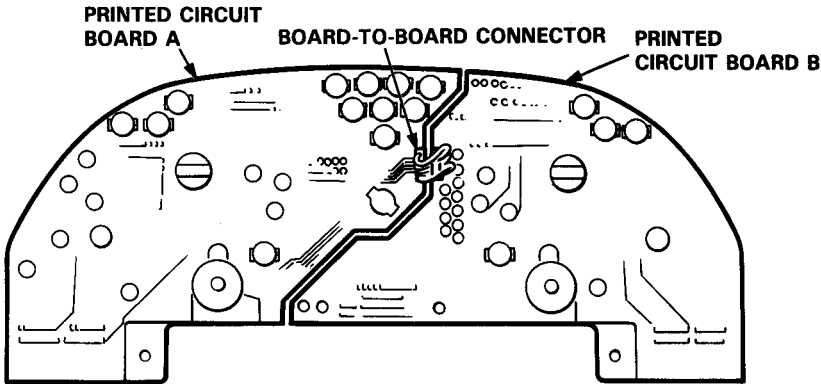


Speedometer/Trip Meter/Odometer

Troubleshooting

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

Item to be inspected	Blown No. 5 (15 A) fuse (In the under-dash fuse box)	Speedometer	Odometer	Trip meter	Printed circuit board A	Printed circuit board B	Vehicle speed sensor (VSS) input test	Vehicle speed sensor (VSS) is not in- stalled correctly	Disconnected board-to-board connector	Poor ground	Open circuit, loose or disconnected terminals
Symptom											
Speedometer works, but deflection error is great.					2			1			
Odometer and trip meter work, but speedometer does not.		1			2						
Speedometer and trip meter work, but odometer does not.			2		4	3			1		
Speedometer and odometer work, but trip meter does not.				1	2						
Speedometer works, but odometer and trip meter do not.					1						
Speedometer, odometer and trip meter do not work.	1				3		2			G401 G402 G403	YEL



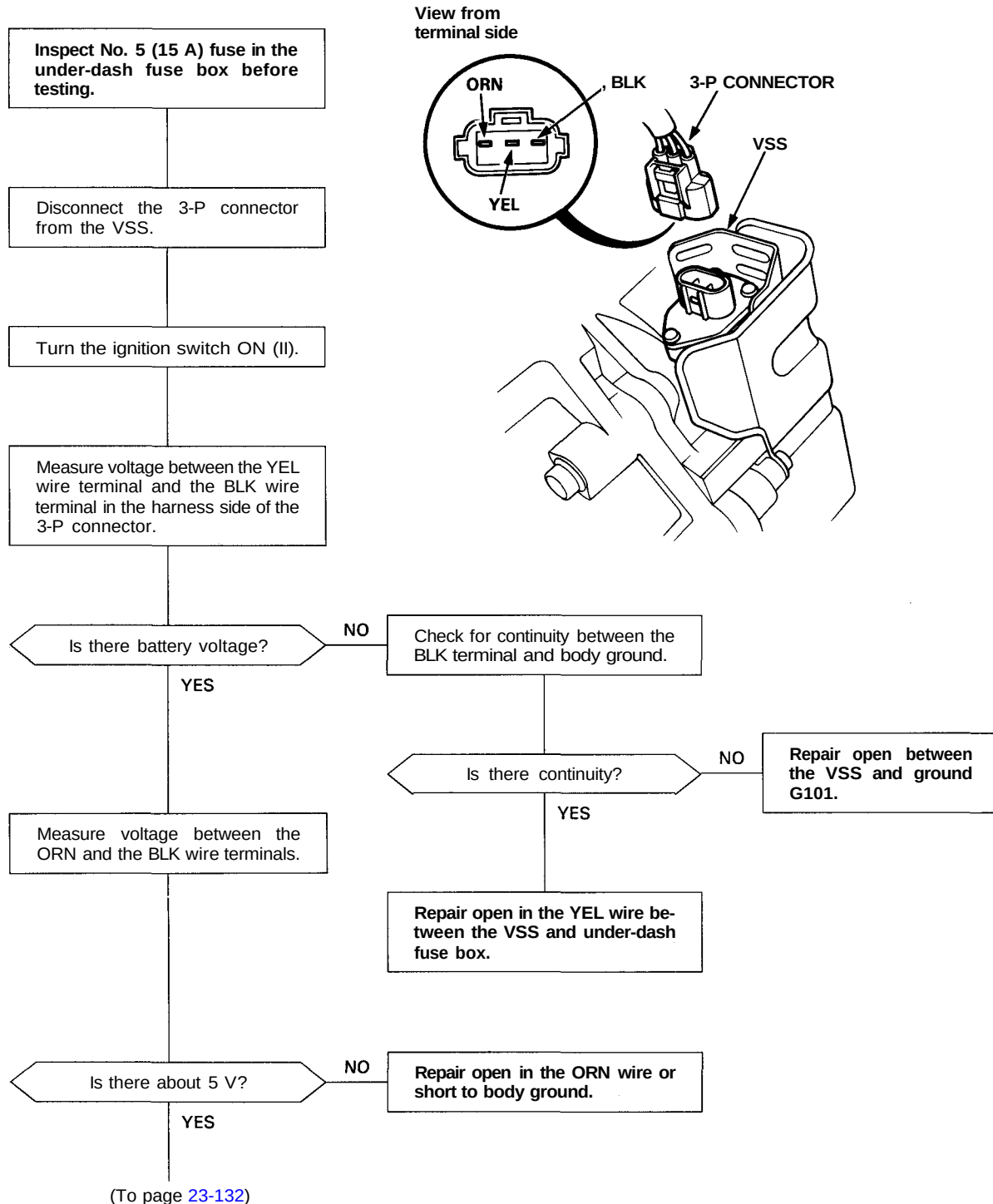
View from the back of the gauge assembly



NOTE: A short to ground in the ORN wire can be caused by a short in any component connected to it.

Vehicle Speed Sensor (VSS) Test

Speedometer does not work.



(cont'd)

Speedometer/TripMeter/Odometer

Troubleshooting (cont'd)

(From page 23-131)

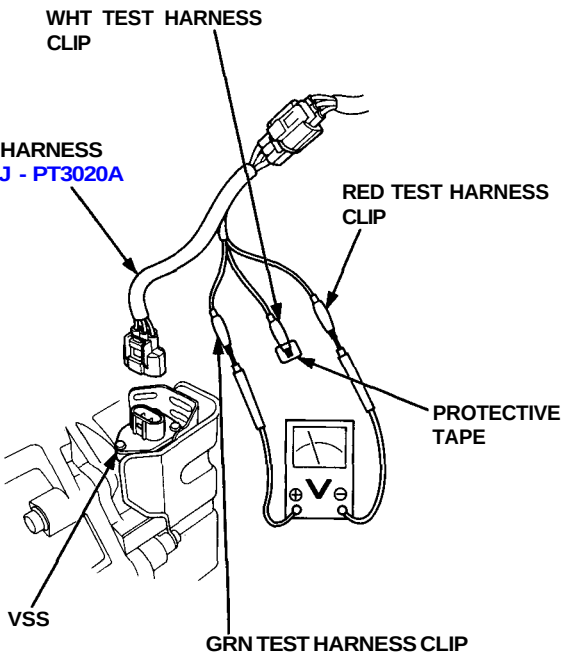
Connect the Test Harness (07LAJ—PT3020A) between the VSS and the engine wire harness.

Raise the rear of the car, and support it with stands.

Back-probe the ORN wire, and connect it to body ground through a voltmeter.

Put the car in neutral with the ignition switch ON (II).

Slowly rotate one wheel with the other wheel blocked.



Does voltage pulse from 0 to about 5 or more V? **NO** Replace the VSS (see page 23-133).

YES

Disconnect the 30-P connector at the speedometer.

Back-probe the ORN wire, and connect it to body ground through a voltmeter.

Slowly rotate one wheel with the other wheel blocked.

Does the voltmeter indicate pulsing voltage? **NO** Repair open in the ORN wire, between the VSS and the speedometer.

YES

Replace the speedometer.