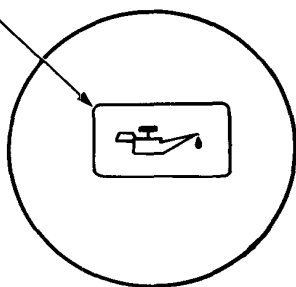


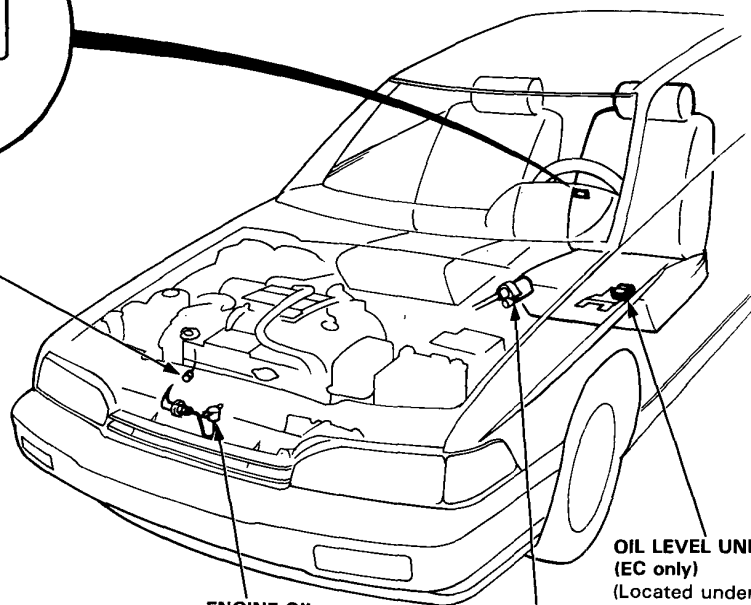
# Oil Pressure/Level Warning System

## Component Location Index

**OIL PRESSURE  
WARNING LIGHT**  
(in the gauge assembly)  
Gauge Assembly,  
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**OIL PRESSURE SWITCH**  
(on the oil filter base)  
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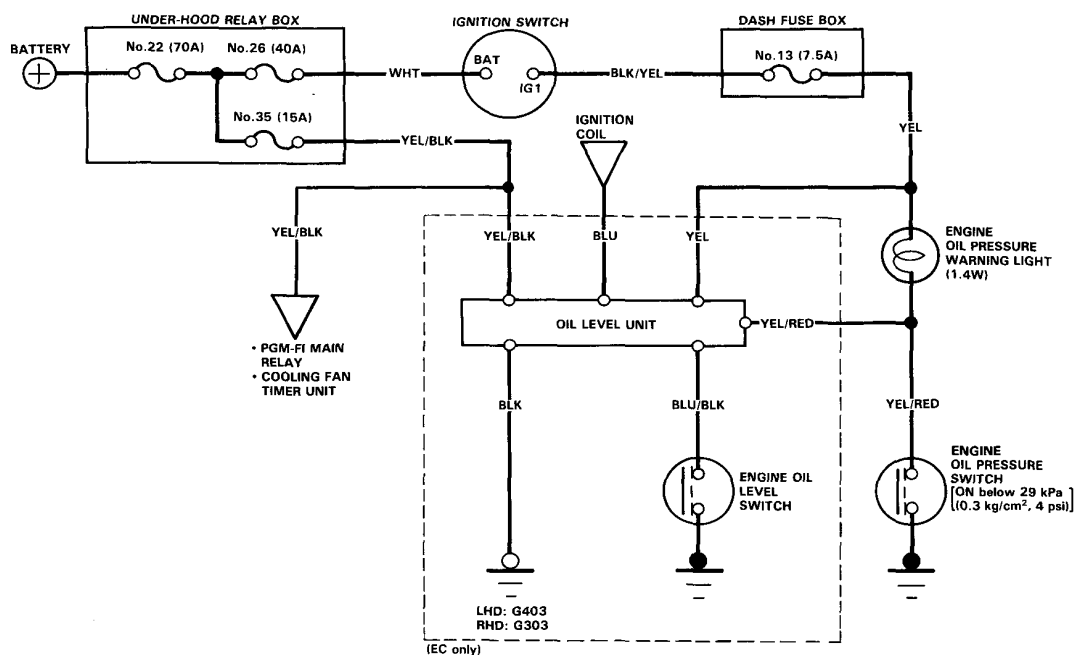


**ENGINE OIL  
LEVEL SWITCH**  
(EC only)  
(in the oil pan)  
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**OIL LEVEL UNIT**  
(EC only)  
(Located under left front seat)  
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### Circuit Diagram



## Troubleshooting

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

Symptom	Items to be inspected									
	Insufficient engine oil	Blown No. 35 (15A) fuse (in the under-hood relay box)	Blown No. 13 (7.5A) fuse (in the dash fuse box)	Blown warning light bulb	Oil level switch	Oil pressure switch	Lubricating system	Oil lever unit input	Poor ground	Open circuit in wires or loose or disconnected terminals
Warning light fails to come on when ignition switch is turned to ON.			1	2		3				YEL/RED
Warning light stays on when engine runs.	1					2	3			

**EC model only:**

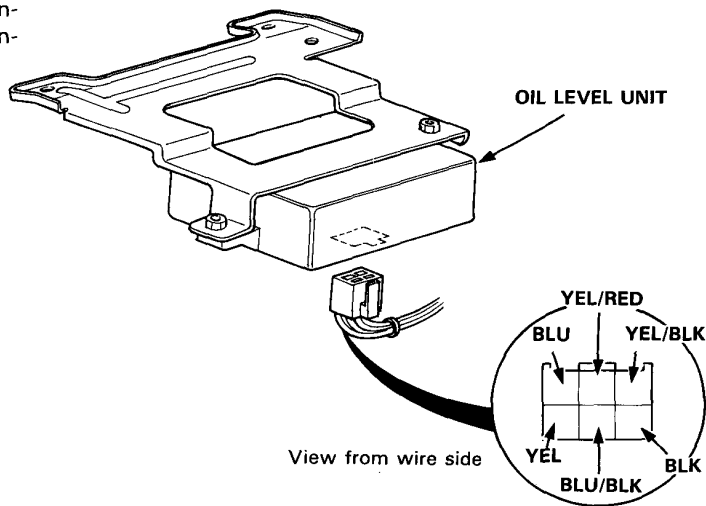
Warning light flashes with ignition switch ON.	1								
Warning light does not flash with low oil level.		1	2		3			4	LHD: G403 RHD: G303 YEL, YEL/BLK or BLU/BLK
Warning light flashes when engine runs.	1							2	BLU

# Oil Pressure/Level Warning System

## Oil Level Unit Input Test

Disconnect the 6-P connector from the control unit.  
Make the following input tests at the harness pins.

NOTE: Recheck the connections between the 6-P connector and the unit, then replace the control unit if all input tests prove OK.

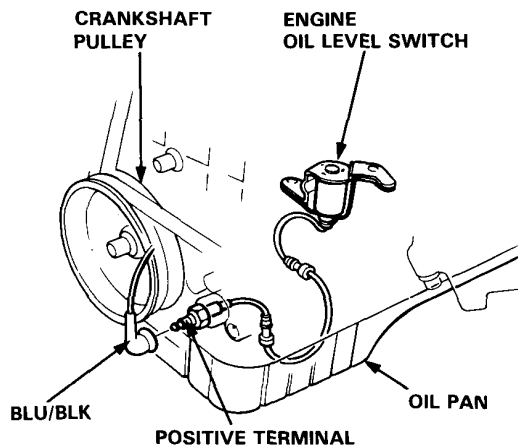


No.	Wire	Test condition	Test: desired result	Possible cause (if result is not obtained)
1	BLK	Under all conditions.	Check for continuity to ground: should be continuity.	<ul style="list-style-type: none"> <li>• Poor ground. (LHD: G403, RHD: G303)</li> <li>• An open in the wire.</li> </ul>
2	YEL/BLK	Under all conditions.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> <li>• Blown No. 35 (15A) fuse.</li> <li>• An open in the wire.</li> </ul>
3	YEL	Ignition switch ON.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> <li>• Blown No. 13 (7.5A) fuse.</li> <li>• An open in the wire.</li> </ul>
4	BLU	Start the engine.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> <li>• Faulty oil pressure switch.</li> <li>• An open in the wire.</li> </ul>
5	YEL/RED	Ignition switch OFF.	Check for continuity to ground: should be continuity.	<ul style="list-style-type: none"> <li>• Faulty ignition system.</li> <li>• An open in the wire.</li> </ul>
		Ignition switch ON.	Check warning light operation. If the light does not come on, attach the YEL/RED terminal to ground: Light should come on as the ignition switch is turned ON.	<ul style="list-style-type: none"> <li>• Blown bulb.</li> <li>• An open in the wire.</li> </ul>
		Start the engine.	Check warning light operation: Lights should go off as the engine starts.	<ul style="list-style-type: none"> <li>• Insufficient oil.</li> <li>• Improper lubrications.</li> <li>• Faulty oil pressure switch.</li> </ul>
6	BLU/BLK	Proper engine oil level.	Check for continuity to ground: should be no continuity.	<ul style="list-style-type: none"> <li>• Faulty oil level switch.</li> <li>• An open in the wire.</li> </ul>
		Remove the drain bolt and drain the engine oil thoroughly.	Check for continuity to ground: should be continuity.	

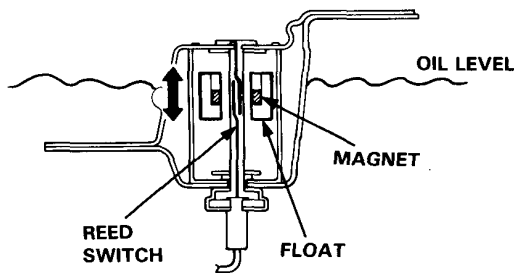


## Oil Level Switch Test

1. Remove the right front inner fender.
2. Disconnect the BLU/BLK wire from the positive terminal of the engine oil level switch.

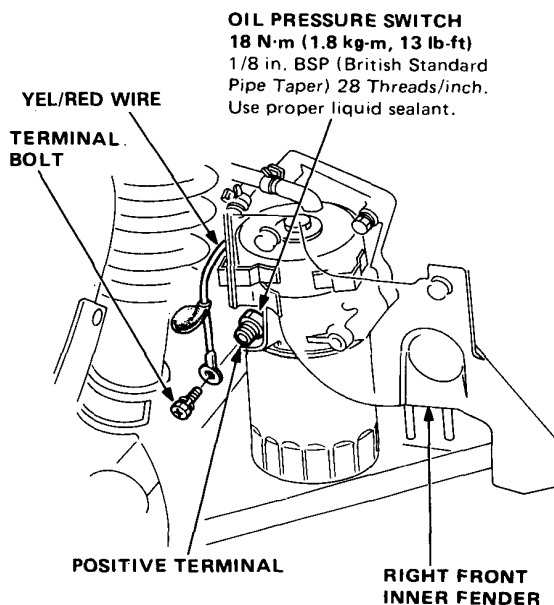


3. There should be continuity between the positive terminal and the engine (ground) with proper engine oil level. There should be no continuity when no engine oil is left in the oil pan.
4. If the switch fails to operate, remove the oil pan and check for disconnected wire between the positive terminal and the switch, then replace the switch if necessary.



## Oil Pressure Switch Test

1. Remove the terminal bolt and the YEL/RED wire from the oil pressure switch.
2. There should be continuity between the positive terminal and the engine (ground) with the engine stopped. There should be no continuity when the engine runs.



3. If the switch fails to operate, check the engine oil level, then inspect the oil pump and pressure if the oil level is correct (see section 5).