DTC	B1422/22	Compressor Lock Sensor Circuit
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## DESCRIPTION

This sensor sends 1 pulses per engine revolution to the ECM.

If the number ratio of the compressor speed divided by the engine speed is smaller than a predetermined value, the ECM turns the compressor off, and the indicator flashes at approx. 1 second intervals.

DTC No.	DTC Detection Condition	Trouble Area
B1422/22	<ul> <li>All conditions below are detected for 3 secs. or more</li> <li>1. Engine speed: 450 rpm or more</li> <li>2. Ratio between engine and compressor speed deviates 20% or more in comparison to normal operation.</li> </ul>	<ul> <li>Cooler compressor assembly</li> <li>Cooler compressor assembly drive belt</li> <li>Cooler compressor and magnetic clutch lock sensor</li> <li>Harness and connector between ECM and cooler compressor assembly, cooler compressor assembly and body ground</li> <li>Multiplex communication circuit</li> <li>ECM</li> <li>A/C amplifier</li> </ul>

## WIRING DIAGRAM



1	CHECK COOLER COMPRESSOR ASSEMBLY	
	<ul> <li>(a) Check and adjust compressor drive belt tension (See page AC-169).</li> </ul>	
	<ul> <li>(b) Check if the cooler compressor does not lock during operation with engine started and below switch and A/C switch ON.</li> <li>Standard:</li> <li>Cooler compressor assembly does not lock during operation.</li> </ul>	
	NG REPLACE COOLER COMPRESSOR ASSEMBLY	

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