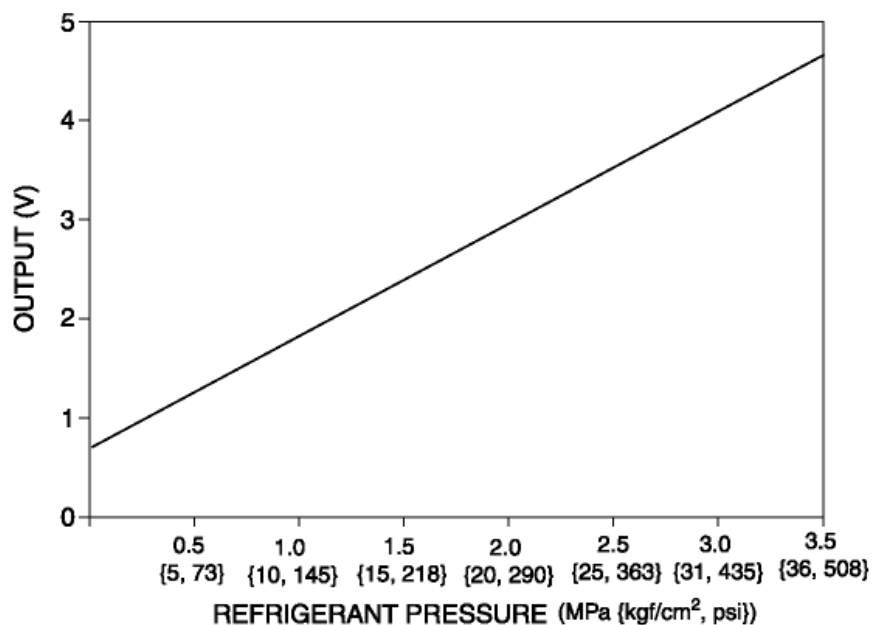
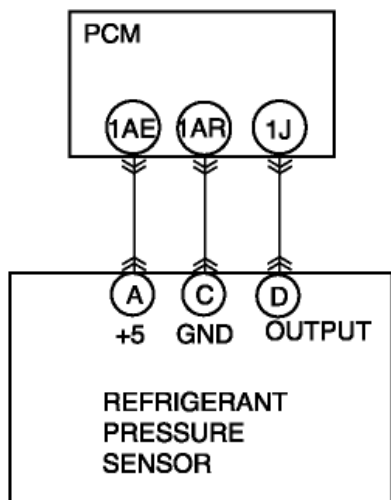


2012 - Mazda6 - HVAC

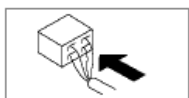
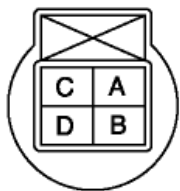
REFRIGERANT PRESSURE SENSOR INSPECTION [MANUAL AIR CONDITIONER]

1. Install the manifold gauge.
2. Verify the high-pressure side reading of the manifold gauge.
3. Measure the terminal voltage of the PCM.
 - 1AR, 1J or 1AE (MZR 2.5)
 - 1AT, 1M or 1BJ (MZI 3.7 V6)
4. Verify that below graph as measure the terminal voltage 1J (MZR 2.5), 1M (MZI 3.7 V6).
5. Follow the PCM inspection when measure the other terminal voltage. (See [PCM INSPECTION \[MZR 2.5\]](#).) (See [PCM INSPECTION \[MZI 3.7 V6\]](#).)
 - Terminal 1AR (MZR 2.5), 1AT (MZI 3.7 V6): 1.0 V or less
 - Terminal 1AE (MZR 2.5), 1BJ (MZI 3.7 V6): Approx. 5 V (Ignition switch on)
 - If the each voltage is not normal, inspect the related wiring harness.
 - If there is any malfunction, replace the related wiring harness.
 - If wiring harness is normal, replace the refrigerant pressure sensor.

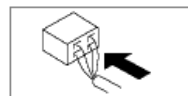
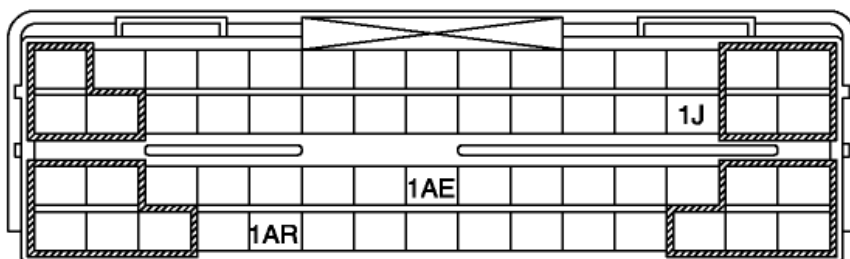
MZR 2.5

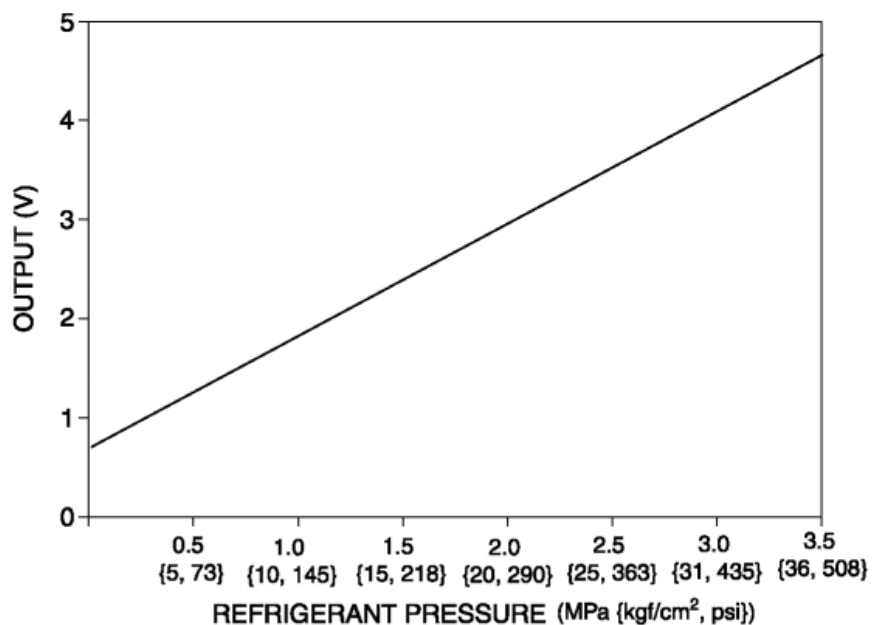
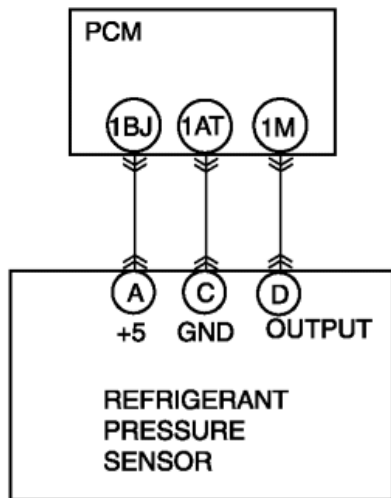


REFRIGERANT PRESSURE SENSOR WIRING HARNESS-SIDE CONNECTOR

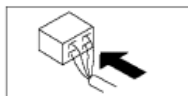
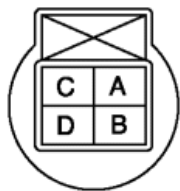


PCM WIRING HARNESS-SIDE CONNECTOR

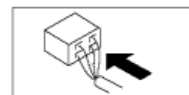
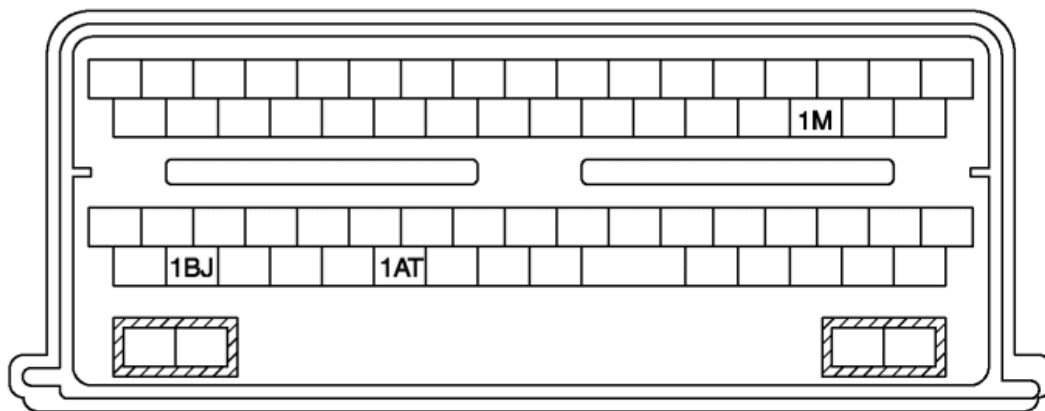




REFRIGERANT PRESSURE SENSOR WIRING HARNESS-SIDE CONNECTOR



PCM WIRING HARNESS-SIDE CONNECTOR

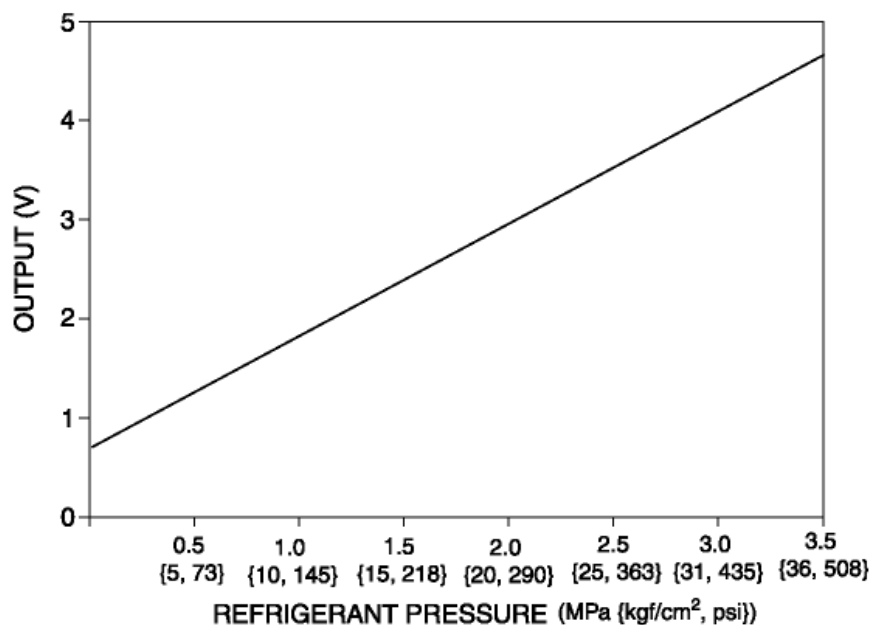
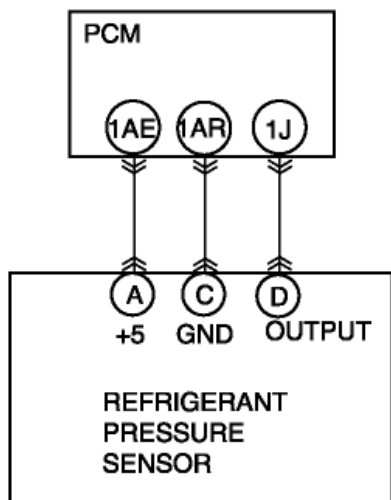


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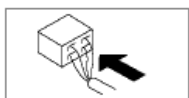
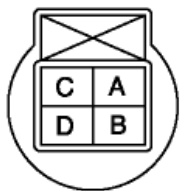
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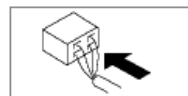
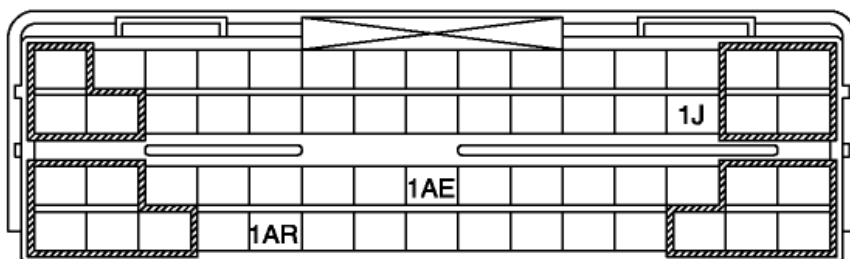
MZR 2.5

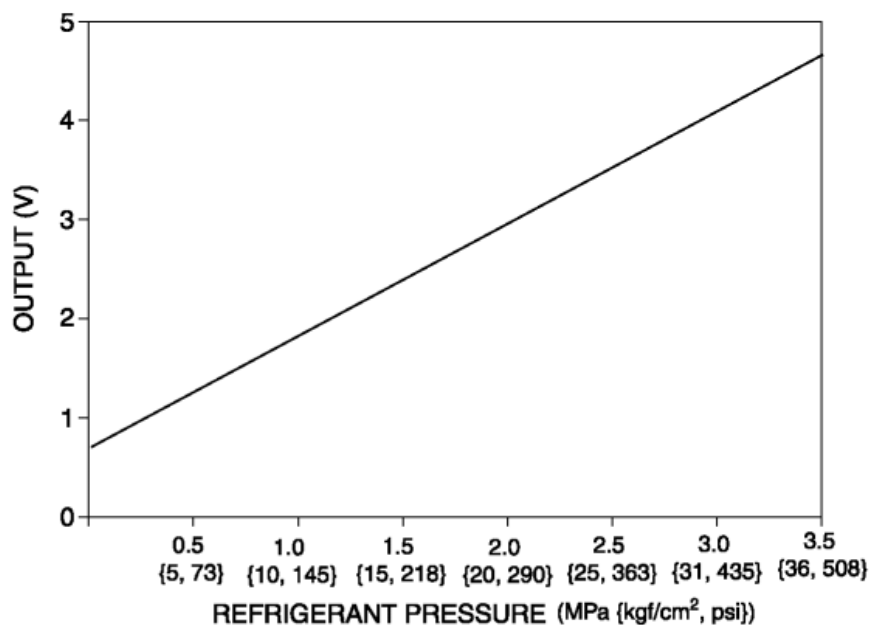
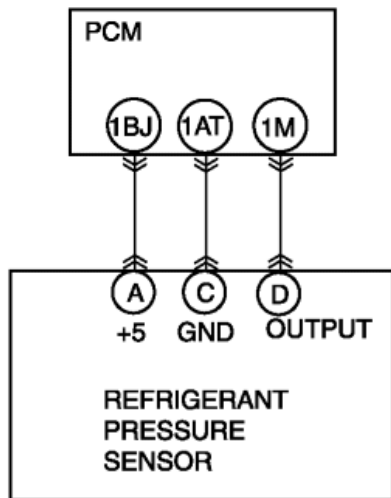


REFRIGERANT PRESSURE SENSOR WIRING HARNESS-SIDE CONNECTOR

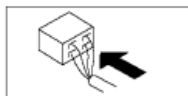
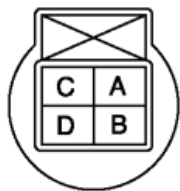


PCM WIRING HARNESS-SIDE CONNECTOR





REFRIGERANT PRESSURE SENSOR WIRING HARNESS-SIDE CONNECTOR



PCM WIRING HARNESS-SIDE CONNECTOR

