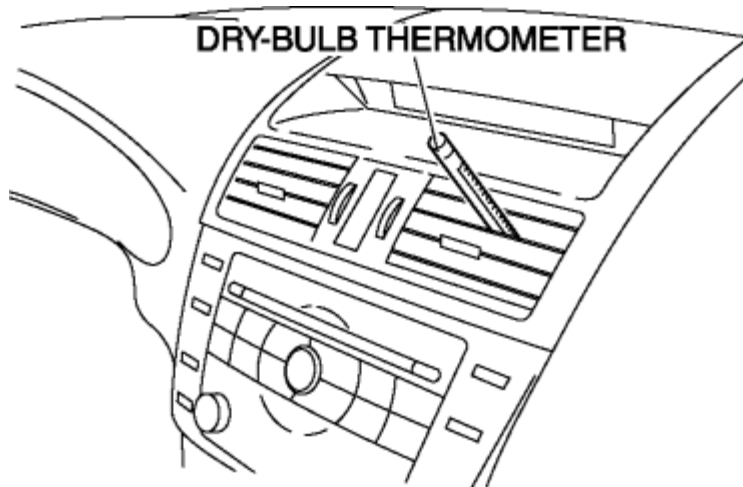


2012 - Mazda6 - HVAC

REFRIGERANT SYSTEM PERFORMANCE TEST

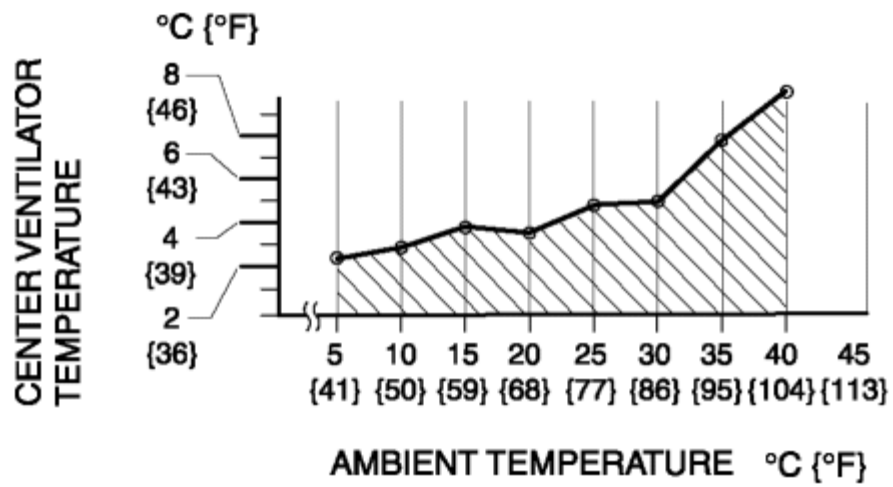
1. Inspect the refrigerant pressure. (See [REFRIGERANT PRESSURE CHECK.](#))
2. Place a dry-bulb thermometer in the passenger-side center ventilator outlet.



3. Start the engine and after it is warmed up, run it at a constant **1,500 rpm**.
4. Set the fan speed to MAX HI.
5. Turn the A/C switch on.
6. Set to RECIRCULATE mode.
7. Set the temperature control to MAX COLD.
8. Set to VENT mode.
9. Close all the doors and windows.
10. Wait until the air conditioner output temperature stabilizes.

Stabilized condition

- The A/C compressor repeatedly turns on and off at regular intervals.
11. After the blower air is stabilized, read the dry-bulb thermometer.
 12. Verify the ambient temperature.
 13. Verify that the temperature reading is in the shaded zone.



- If there is any malfunction, inspect the refrigerant system according to the troubleshooting chart.

[< Previous](#) [Next >](#)

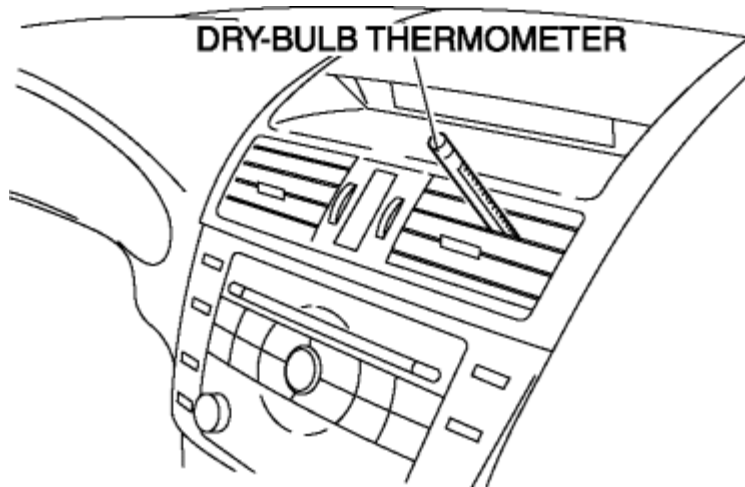
[Back to Top](#)

© 2011 Mazda North American Operations, U.S.A.

2012 - Mazda6 - HVAC

REFRIGERANT SYSTEM PERFORMANCE TEST

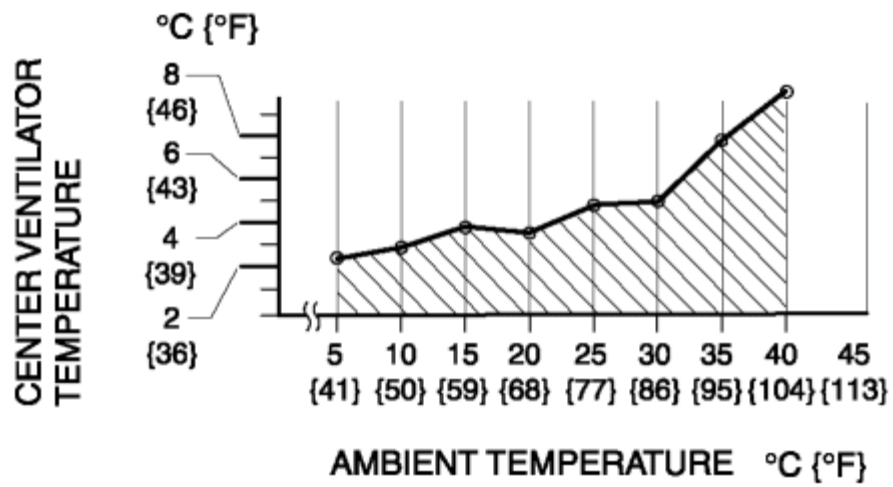
1. Inspect the refrigerant pressure. (See [REFRIGERANT PRESSURE CHECK.](#))
2. Place a dry-bulb thermometer in the passenger-side center ventilator outlet.



3. Start the engine and after it is warmed up, run it at a constant **1,500 rpm**.
4. Set the fan speed to MAX HI.
5. Turn the A/C switch on.
6. Set to RECIRCULATE mode.
7. Set the temperature control to MAX COLD.
8. Set to VENT mode.
9. Close all the doors and windows.
10. Wait until the air conditioner output temperature stabilizes.

Stabilized condition

- The A/C compressor repeatedly turns on and off at regular intervals.
11. After the blower air is stabilized, read the dry-bulb thermometer.
 12. Verify the ambient temperature.
 13. Verify that the temperature reading is in the shaded zone.



- If there is any malfunction, inspect the refrigerant system according to the troubleshooting chart.

[< Previous](#) [Next >](#)

[Back to Top](#)

© 2011 Mazda North American Operations, U.S.A.