

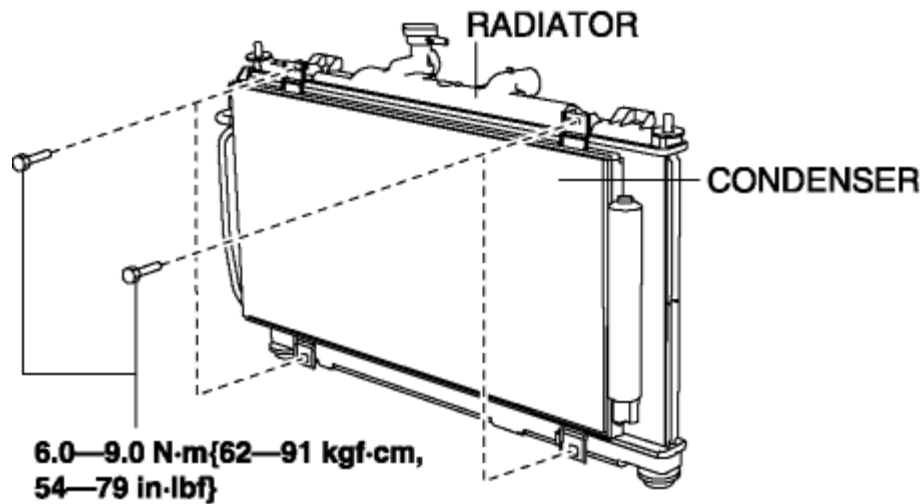
2012 - Mazda6 - HVAC

CONDENSER REMOVAL/ INSTALLATION

1. Disconnect the negative battery cable.
2. Discharge the refrigerant. (See [REFRIGERANT CHARGING](#).)
3. Remove the aerodynamic under cover No.1. (See [AERODYNAMIC UNDER COVER NO.1 REMOVAL/ INSTALLATION](#).)
4. Drain the engine coolant. (See [ENGINE COOLANT REPLACEMENT \[MZR 2.5\]](#).) (See [ENGINE COOLANT REPLACEMENT \[MZI 3.7 V6\]](#).)
5. Disconnect the cooler hose LO and cooler hose HI. (See [REFRIGERANT LINE REMOVAL/ INSTALLATION](#).)
6. Remove the air cleaner, air hose and fresh air duct component. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).) (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
7. Remove the coolant reserve tank. (See [COOLANT RESERVE TANK REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
8. Remove the cooling fan component. (See [COOLING FAN MOTOR REMOVAL/ INSTALLATION \[MZR 2.5\]](#).) (See [COOLING FAN MOTOR REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
9. Disconnect the ATF oil cooler hose from the radiator. (ATX) (See [OIL COOLER REMOVAL/ INSTALLATION \[AY6A-EL\]](#).)
10. Remove the radiator. (See [RADIATOR REMOVAL/ INSTALLATION \[MZR 2.5\]](#).) (See [RADIATOR REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
11. Remove the condenser from the radiator. Do not allow remaining compressor oil in the refrigerant line to spill.

CAUTION:

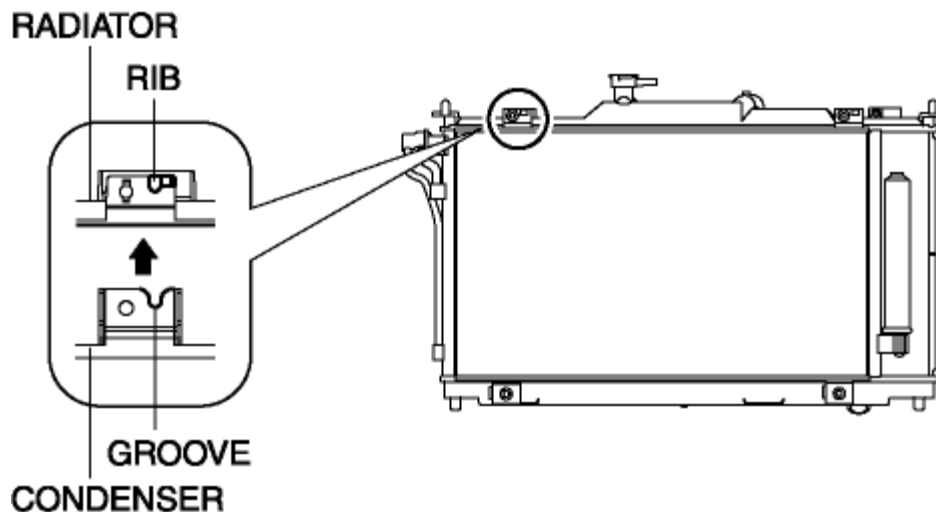
- If moisture or foreign material enters the refrigeration cycle, cooling ability will be lowered and abnormal noise or other malfunction could occur. Always plug open fittings immediately after removing any refrigeration cycle parts.



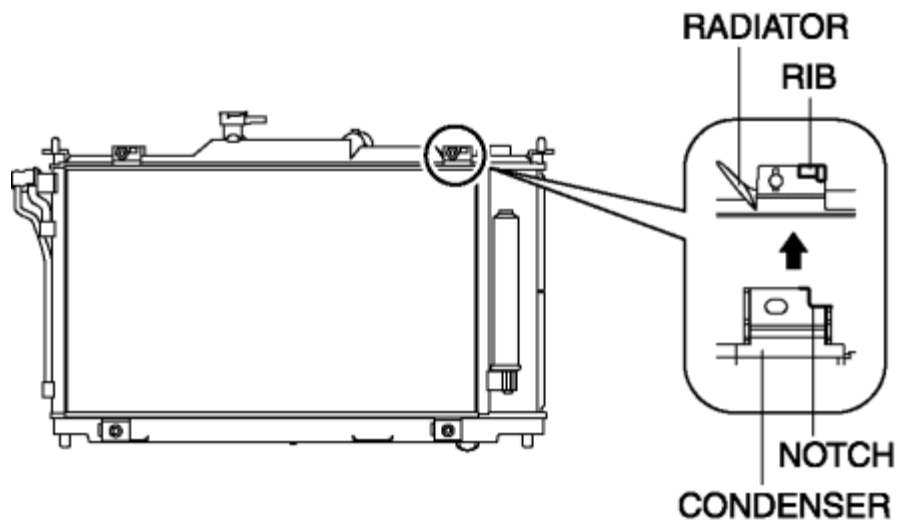
12. Install in the reverse order of removal.
13. Inspect for engine coolant leakage. (See [ENGINE COOLANT LEAKAGE INSPECTION \[MZR 2.5\]](#).)
(See [ENGINE COOLANT LEAKAGE INSPECTION \[MZI 3.7 V6\]](#).)
14. Inspect the ATF level. (ATX) (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) INSPECTION \[FS5A-EL\]](#).)
15. Perform the refrigerant system performance test. (See [REFRIGERANT SYSTEM PERFORMANCE TEST](#).)

Condenser Installation Note

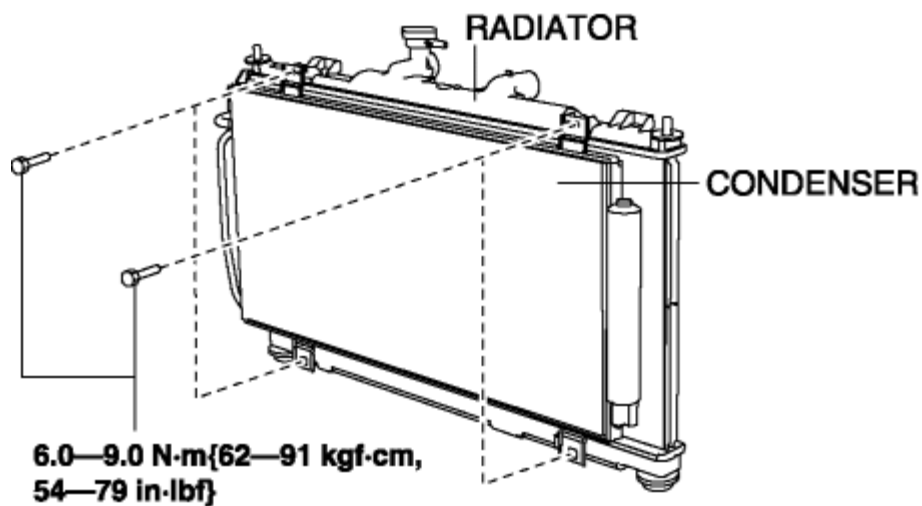
1. Align the bracket groove of the condenser to the radiator positioning rib.



2. Align the bracket notch of the condenser to the radiator positioning rib.



3. Install the condenser installation bolts as shown in the figure.



4. When installing a new condenser, add compressor oil to the refrigerant cycle.

Supplemental amount (approx. quantity)

- 30 ml {30 cc, 1.0 fl oz}

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

[Back to Top](#)

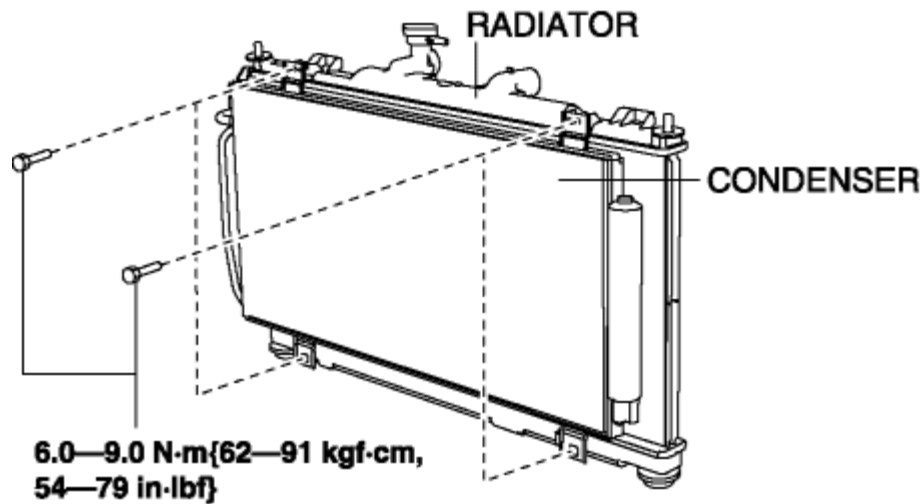
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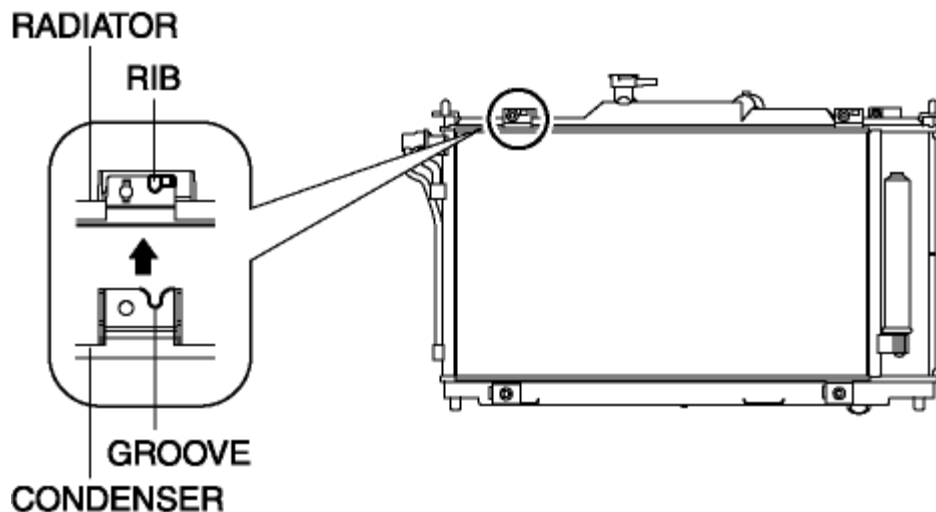
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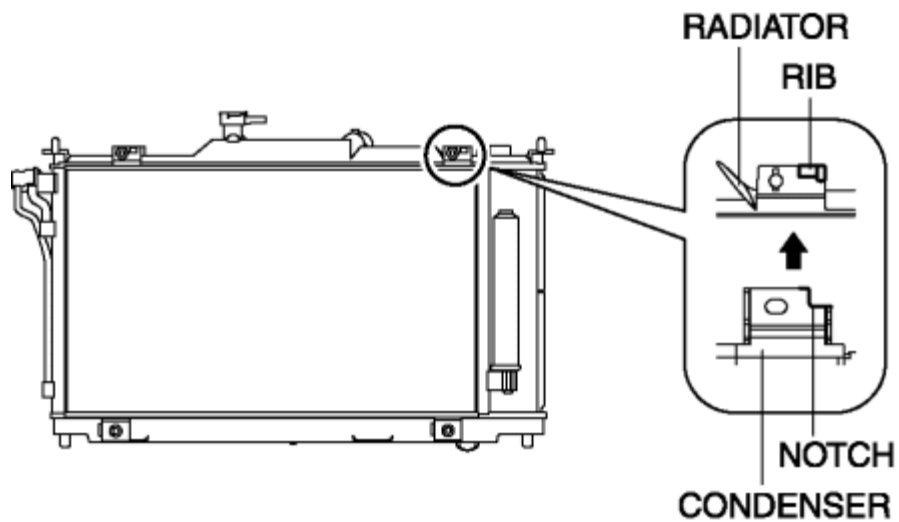
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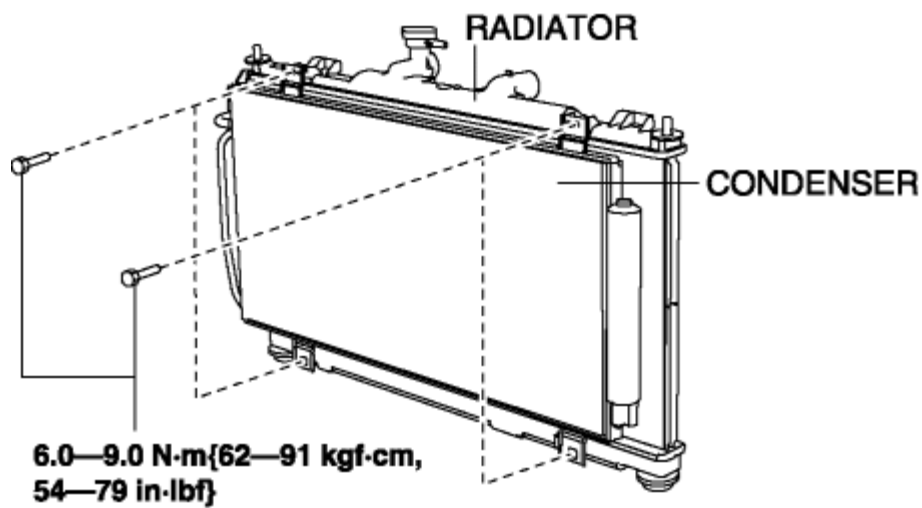
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