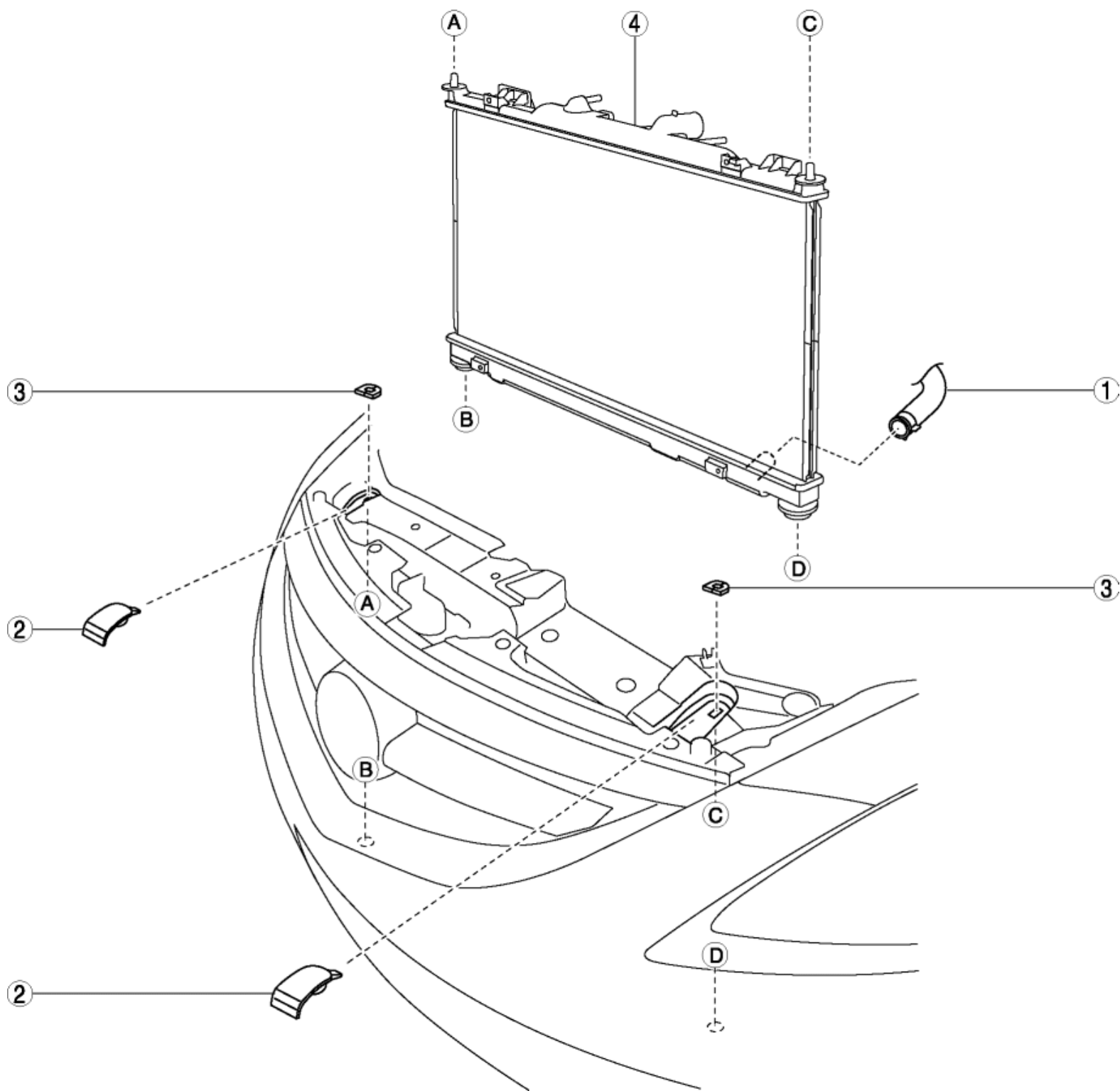


2012 - Mazda6 - Engine

RADIATOR REMOVAL/ INSTALLATION [MZI 3.7 V6]

WARNING:

- Never remove the cooling system cap or loosen the radiator drain plug while the engine is running, or when the engine and radiator are hot. Scalding engine coolant and steam may shoot out and cause serious injury. It may also damage the engine and cooling system.
 - Turn off the engine and wait until it is cool. Even then, be very careful when removing the cap. Wrap a thick cloth around it and slowly turn it counterclockwise 2.5 turns. Step back while the pressure escapes.
 - When you are sure all the pressure is gone, turn the cap using the cloth, and remove it.
1. Disconnect the negative battery cable.
 2. Remove the aerodynamic under cover No.1. (See [AERODYNAMIC UNDER COVER NO.1 REMOVAL/ INSTALLATION](#).)
 3. Drain the engine coolant. (See [ENGINE COOLANT REPLACEMENT \[MZI 3.7 V6\]](#).)
 4. Remove the air cleaner and fresh air duct component. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 5. Remove the cooling fan component. (See [COOLING FAN MOTOR REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 6. Disconnect the ATF oil cooler hose from the radiator. (See [OIL COOLER REMOVAL/ INSTALLATION \[AY6A-EL\]](#).)
 7. Remove in the order indicated in the table.
 8. Install in the reverse order of removal.
 9. Refill the engine coolant. (See [ENGINE COOLANT REPLACEMENT \[MZI 3.7 V6\]](#).)
 10. Inspect for engine coolant leakage. (See [ENGINE COOLANT LEAKAGE INSPECTION \[MZI 3.7 V6\]](#).)
 11. Inspect the ATF level. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) INSPECTION \[AY6A-EL\]](#).)



1	Lower radiator hose
2	Upper mount rubber bracket (See Upper Mount Rubber Bracket Removal Note.)
3	Upper mount rubber
4	Radiator

(See [Radiator Removal Note](#).)

Upper Mount Rubber Bracket Removal Note

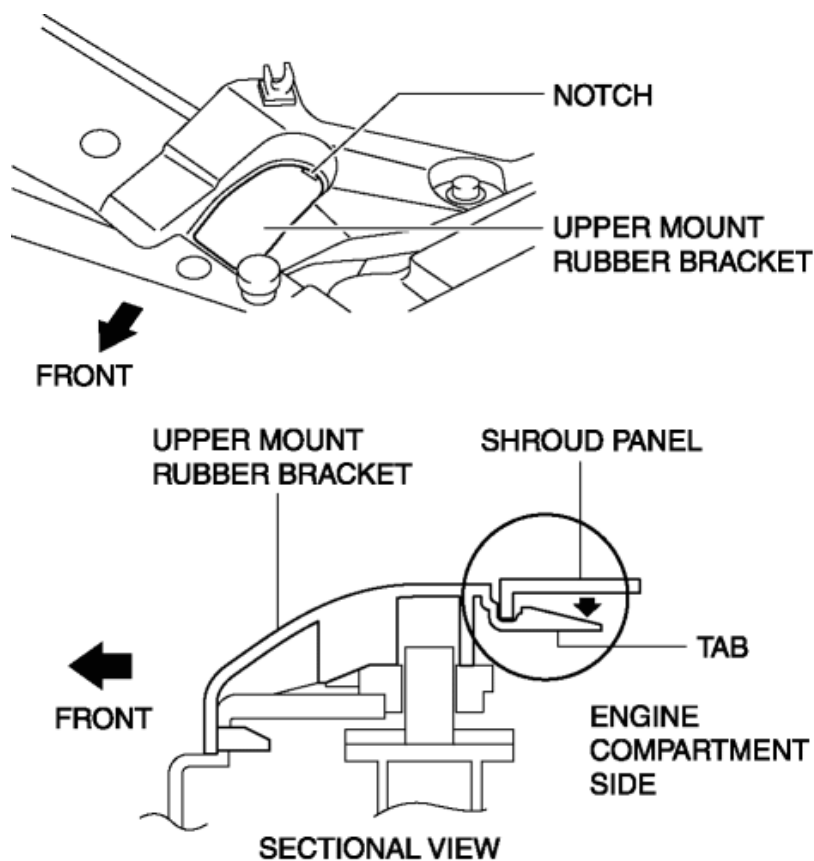
CAUTION:

- To prevent damage to the upper mount rubber bracket tab, do not apply excessive force.

NOTE:

- The upper mount rubber bracket can be easily removed by pressing down the upper mount rubber bracket tab using one hand and pressing the notch area downward using the other hand.

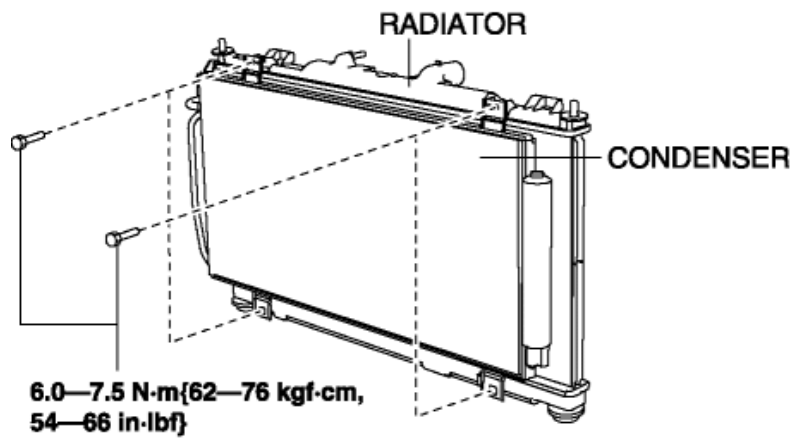
1. While pressing down the upper mount rubber bracket tab lightly in the direction of the arrow shown in the figure, press the upper mount rubber bracket toward the vehicle front.



2. Lift the front part of the upper mount rubber bracket and remove the upper mount rubber bracket.

Radiator Removal Note

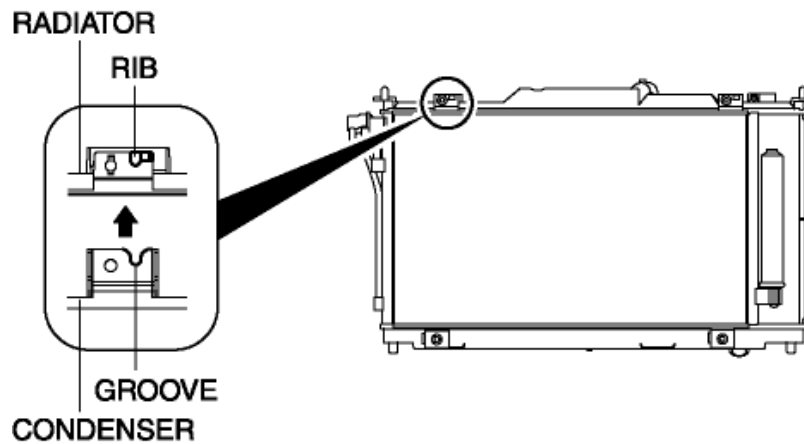
1. Remove the four bolts which secure the condenser to the radiator and set the condenser apart from the radiator.



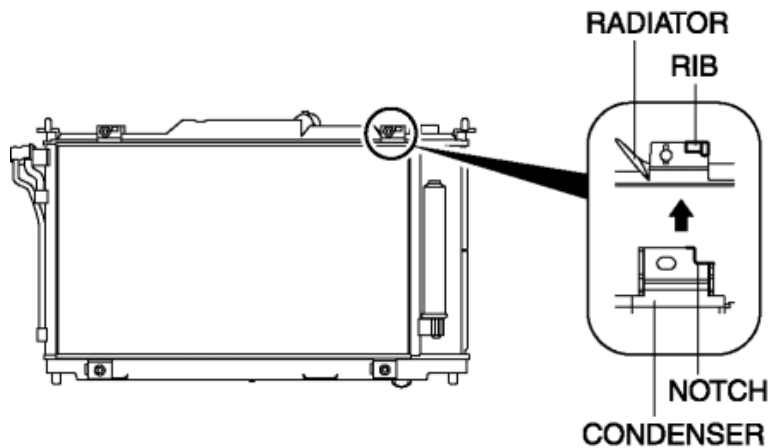
2. Remove the radiator from above the engine compartment.

Radiator Installation Note

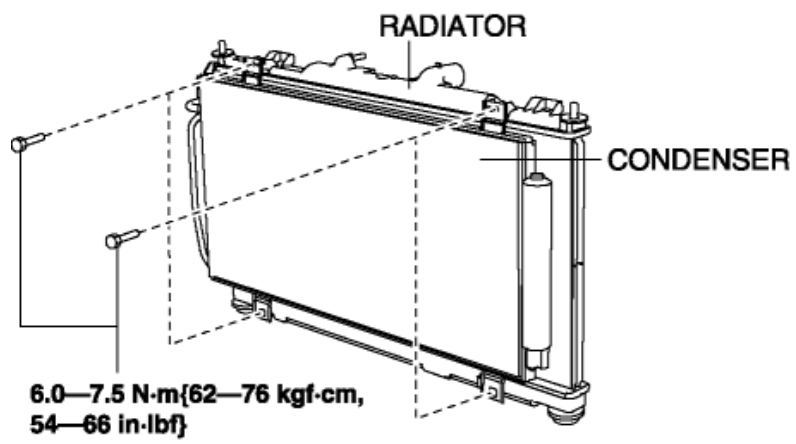
1. Align the bracket groove of the condenser to the radiator positioning rib.



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



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



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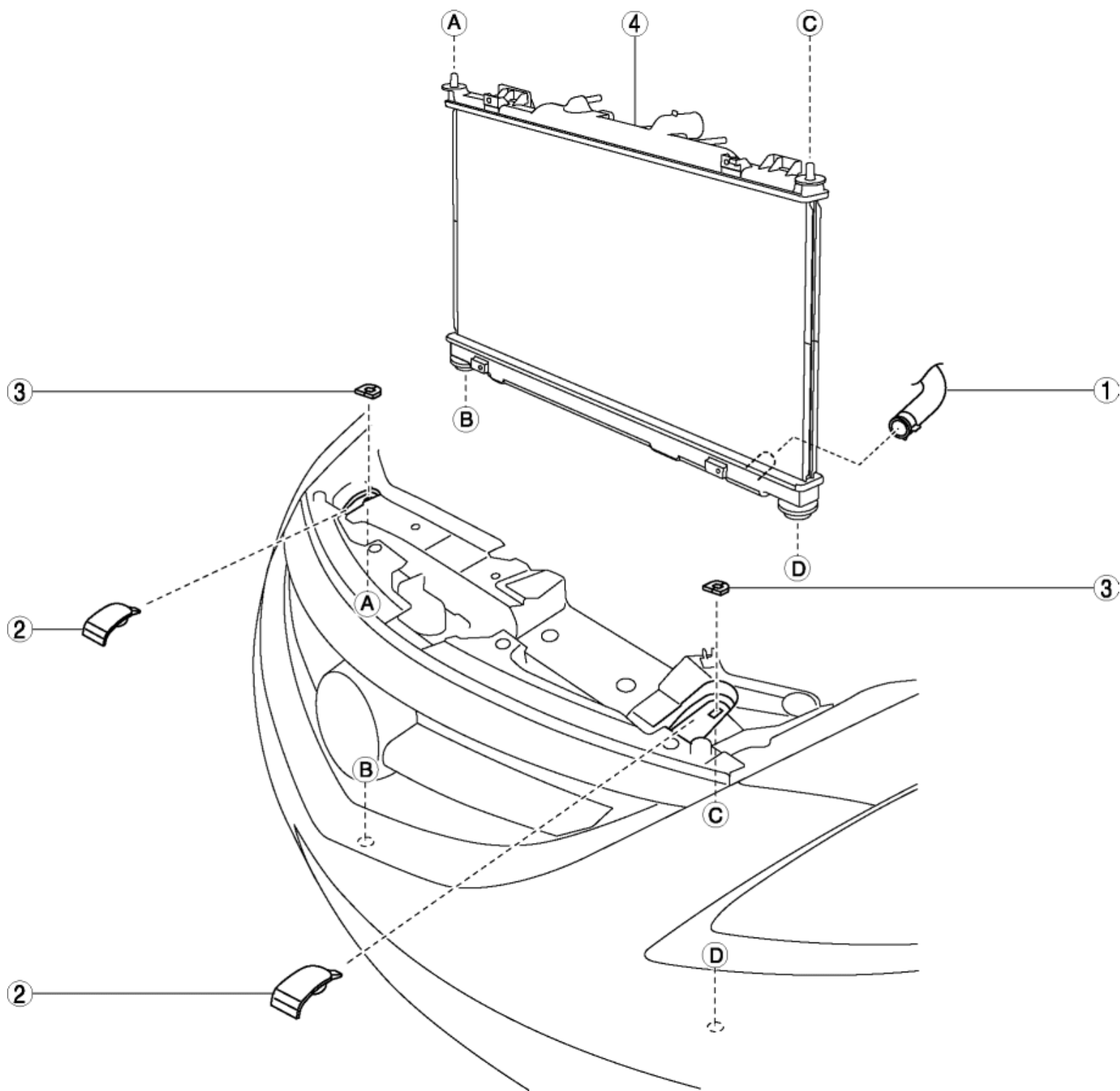
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2012 - Mazda6 - Engine

RADIATOR REMOVAL/ INSTALLATION [MZI 3.7 V6]

WARNING:

- Never remove the cooling system cap or loosen the radiator drain plug while the engine is running, or when the engine and radiator are hot. Scalding engine coolant and steam may shoot out and cause serious injury. It may also damage the engine and cooling system.
 - Turn off the engine and wait until it is cool. Even then, be very careful when removing the cap. Wrap a thick cloth around it and slowly turn it counterclockwise 2.5 turns. Step back while the pressure escapes.
 - When you are sure all the pressure is gone, turn the cap using the cloth, and remove it.
1. Disconnect the negative battery cable.
 2. Remove the aerodynamic under cover No.1. (See [AERODYNAMIC UNDER COVER NO.1 REMOVAL/ INSTALLATION](#).)
 3. Drain the engine coolant. (See [ENGINE COOLANT REPLACEMENT \[MZI 3.7 V6\]](#).)
 4. Remove the air cleaner and fresh air duct component. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 5. Remove the cooling fan component. (See [COOLING FAN MOTOR REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
 6. Disconnect the ATF oil cooler hose from the radiator. (See [OIL COOLER REMOVAL/ INSTALLATION \[AY6A-EL\]](#).)
 7. Remove in the order indicated in the table.
 8. Install in the reverse order of removal.
 9. Refill the engine coolant. (See [ENGINE COOLANT REPLACEMENT \[MZI 3.7 V6\]](#).)
 10. Inspect for engine coolant leakage. (See [ENGINE COOLANT LEAKAGE INSPECTION \[MZI 3.7 V6\]](#).)
 11. Inspect the ATF level. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) INSPECTION \[AY6A-EL\]](#).)



1	Lower radiator hose
2	Upper mount rubber bracket (See Upper Mount Rubber Bracket Removal Note.)
3	Upper mount rubber
4	Radiator

(See [Radiator Removal Note](#).)

Upper Mount Rubber Bracket Removal Note

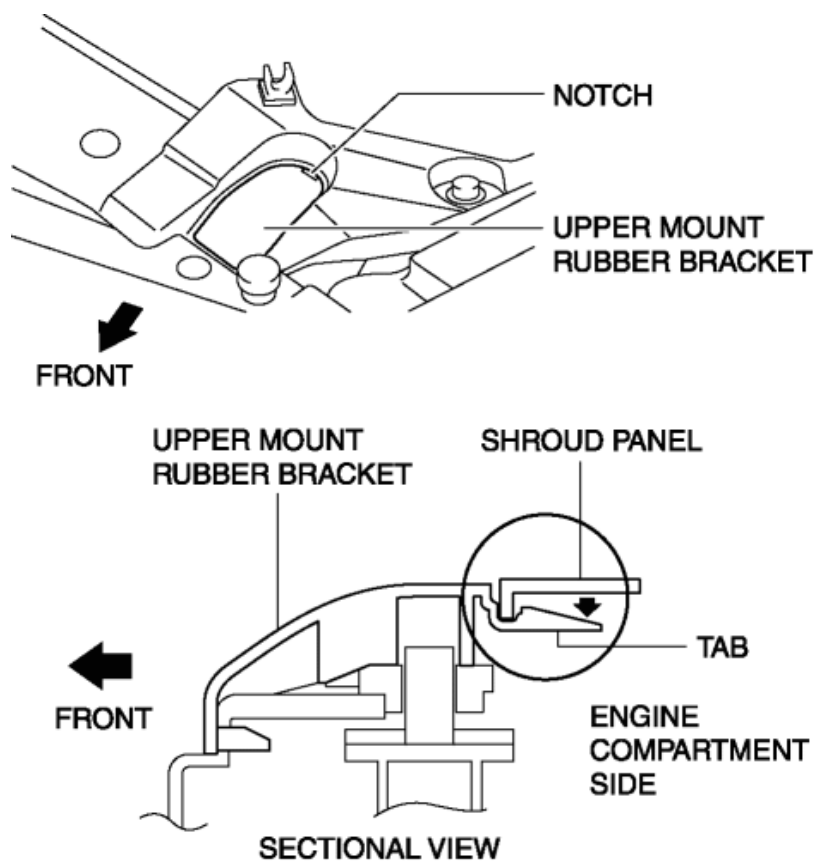
CAUTION:

- To prevent damage to the upper mount rubber bracket tab, do not apply excessive force.

NOTE:

- The upper mount rubber bracket can be easily removed by pressing down the upper mount rubber bracket tab using one hand and pressing the notch area downward using the other hand.

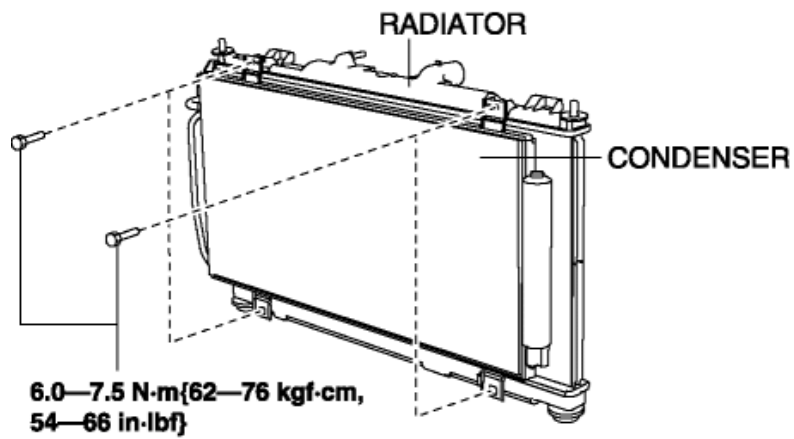
1. While pressing down the upper mount rubber bracket tab lightly in the direction of the arrow shown in the figure, press the upper mount rubber bracket toward the vehicle front.



2. Lift the front part of the upper mount rubber bracket and remove the upper mount rubber bracket.

Radiator Removal Note

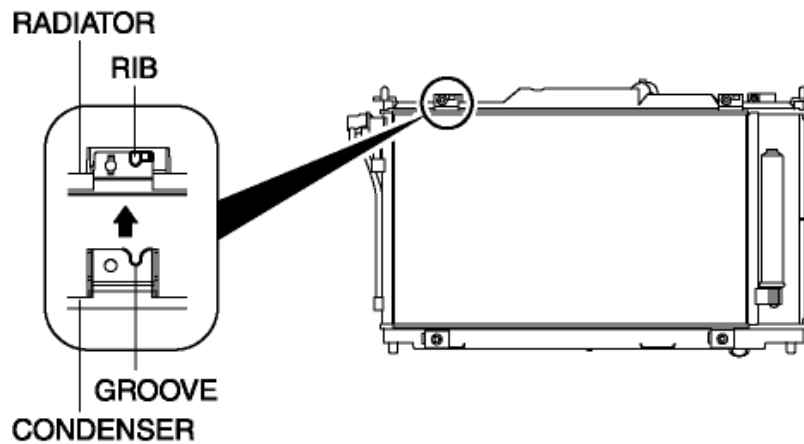
1. Remove the four bolts which secure the condenser to the radiator and set the condenser apart from the radiator.



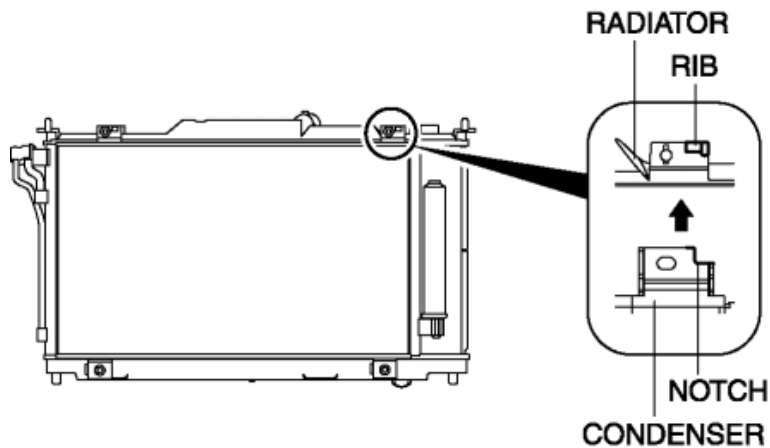
2. Remove the radiator from above the engine compartment.

Radiator Installation Note

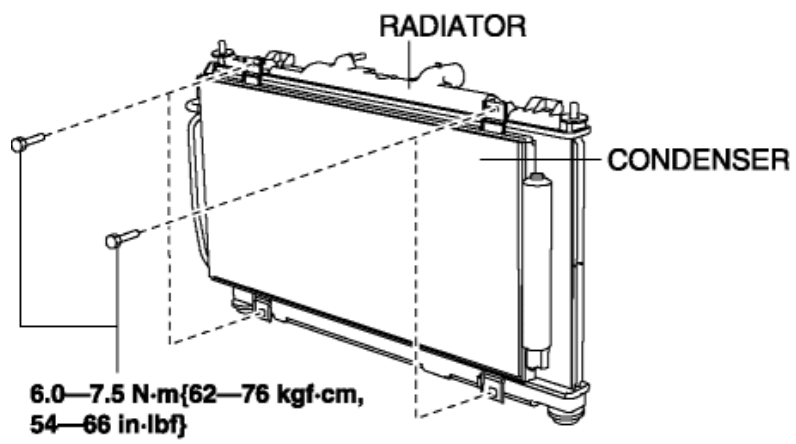
1. Align the bracket groove of the condenser to the radiator positioning rib.



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



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



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