

A/C COMPRESSOR REMOVAL/INSTALLATION

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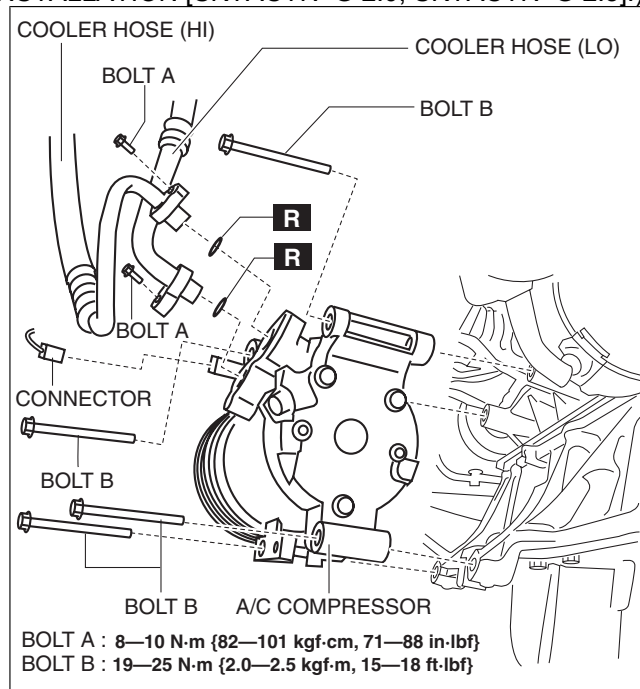
SKYACTIV-G 2.0, SKYACTIV-G 2.5

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].)
2. Discharge the refrigerant. (See REFRIGERANT CHARGING.)
3. Remove the front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
4. Remove the drive belt. (See DRIVE BELT REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
5. Disconnect the connector.

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.

6. Remove bolts A.
7. Disconnect the cooler hose (LO). (See REFRIGERANT LINE REMOVAL/INSTALLATION.)
8. Disconnect the cooler hose (HI). (See REFRIGERANT LINE REMOVAL/INSTALLATION.)
9. Remove bolts B.
10. Remove the A/C compressor. Do not allow compressor oil to spill. (See A/C Compressor Installation Note.)
11. Install in the reverse order of removal.
12. Perform the refrigerant system performance test. (See REFRIGERANT SYSTEM PERFORMANCE TEST.)



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SKYACTIV-D 2.2

Procedure from top side of vehicle

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2. Discharge the refrigerant. (See REFRIGERANT CHARGING.)
3. Remove bolts A.

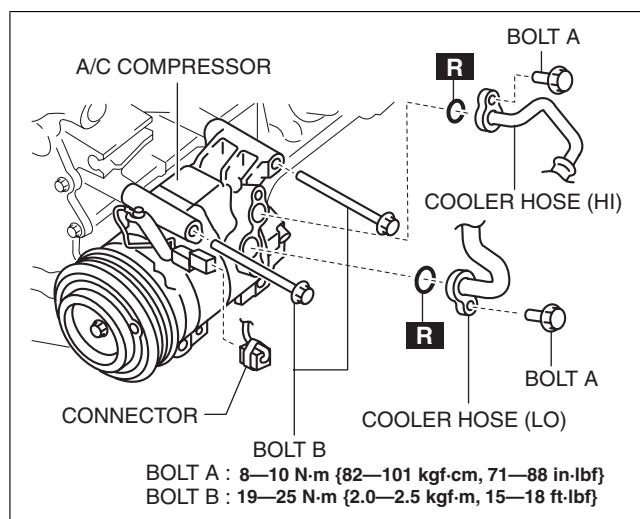
Caution

- 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.

4. Disconnect the cooler hose (LO). (See REFRIGERANT LINE REMOVAL/INSTALLATION.)
5. Disconnect the cooler hose (HI). (See REFRIGERANT LINE REMOVAL/INSTALLATION.)
6. Disconnect the connector.
7. Remove bolts B.

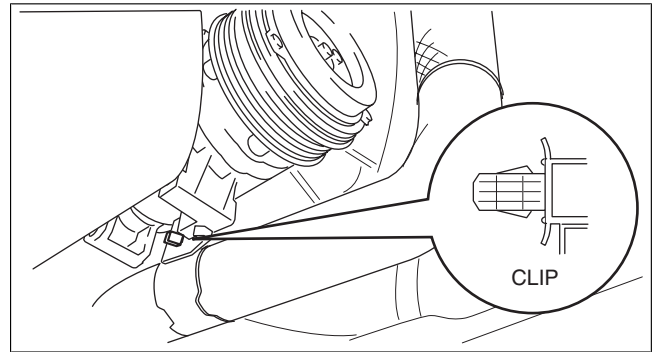
Procedure from underside of vehicle

8. Remove the front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
9. Remove the splash shield (RH). (See SPLASH SHIELD REMOVAL/INSTALLATION.)
10. Remove the drive belt. (See DRIVE BELT REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)



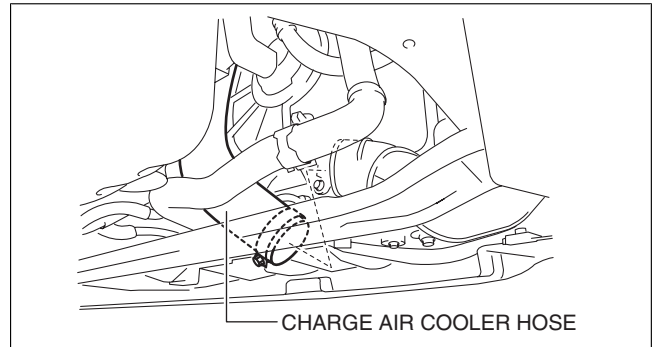
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11. Detach the clip.



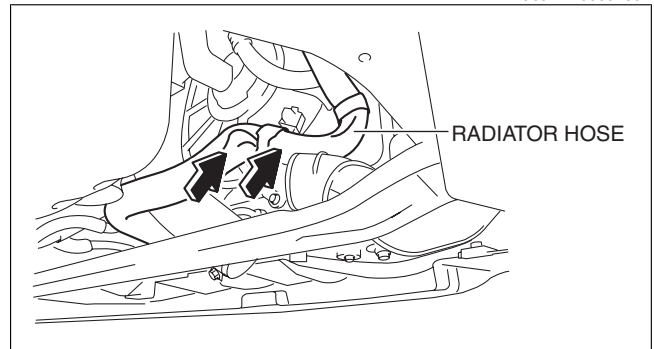
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12. Disconnect the charge air cooler hose.



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13. Set the radiator hose out of the way.



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14. Remove bolts B.

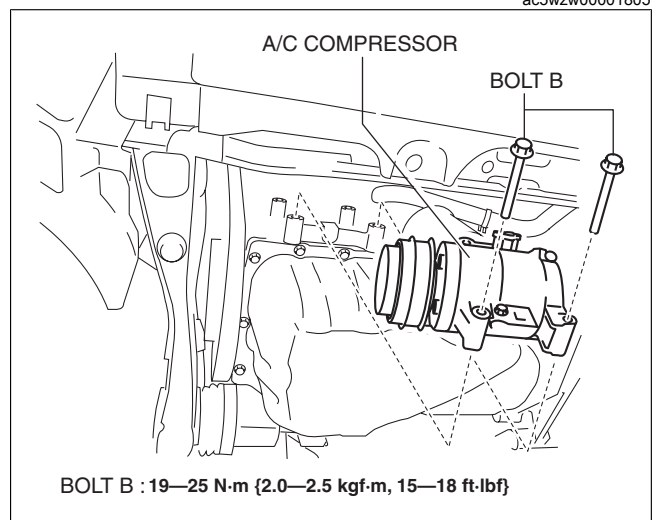
Caution

- 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.

15. Remove the A/C compressor. Do not allow compressor oil to spill. (See A/C Compressor Installation Note.)

16. Install in the reverse order of removal.

17. Perform the refrigerant system performance test. (See REFRIGERANT SYSTEM PERFORMANCE TEST.)



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A/C Compressor Installation Note

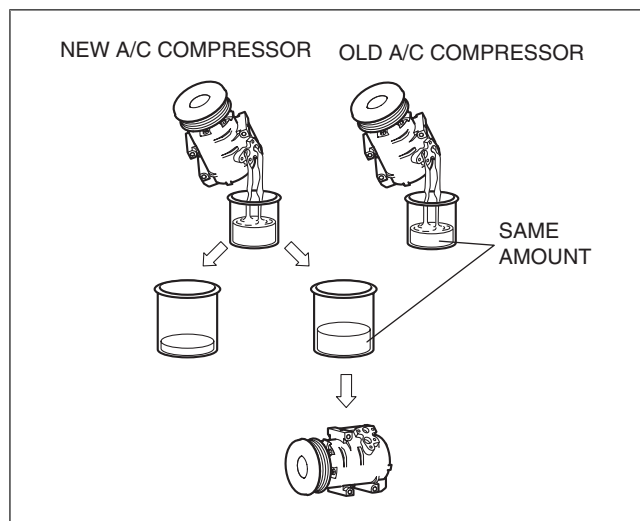
Caution

- Due to the high moisture-absorption characteristics of the compressor oil, it may absorb moisture if left over a long period of time thereby negatively affecting A/C operation. Drain the compressor oil and refill within 10 min. of each other.

1. Rotate the new A/C compressor shaft six to eight revolutions while pouring refrigerant oil in a clean measuring container. Use this refrigerant oil to refill new compressor. Do not allow refrigerant oil to become contaminated.
2. Rotate old A/C compressor shaft six to eight revolutions while pouring refrigerant oil in a separate, clean measuring container.
3. Compare those oil amounts. The amount of the oil drained from the new A/C compressor should be greater than the old one.
4. Pour the same amount oil of drained from the old A/C compressor back into the new A/C compressor.

A/C compressor oil type
FD46XG

A/C compressor oil sealed volume (approx. quantity)
100 ml {100 cc, 3.38 fl oz}



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