

2006 Chrysler 300 V6-2.7L VIN R

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Line-A/C Liquid

[Notes](#)

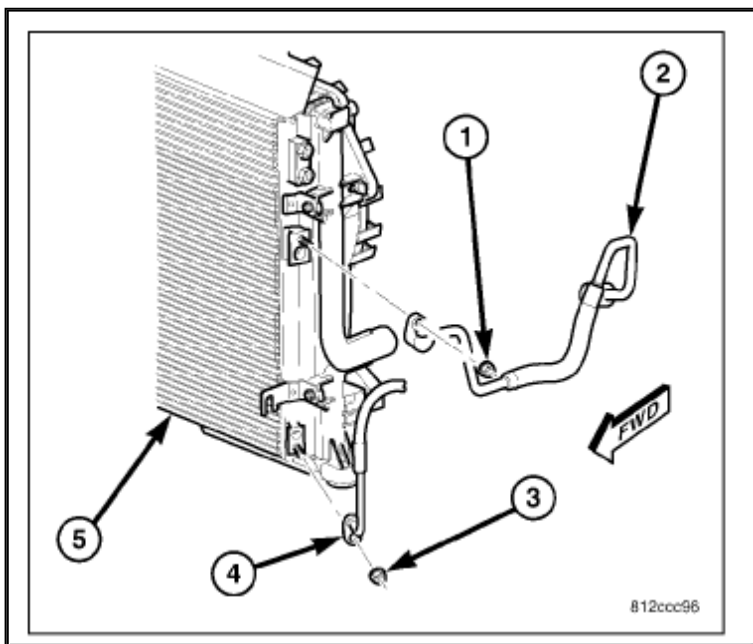
LINE-A/C LIQUID

WARNING: REFER TO THE APPLICABLE WARNINGS AND CAUTIONS FOR THIS SYSTEM BEFORE PERFORMING THE FOLLOWING OPERATION. FAILURE TO FOLLOW THE WARNINGS AND CAUTIONS COULD RESULT IN POSSIBLE PERSONAL INJURY OR DEATH.

NOTE: The A/C liquid line is serviced in two sections. The rear section of the liquid line is serviced as an assembly with the rear section of the A/C suction line.

FRONT SECTION

REMOVAL

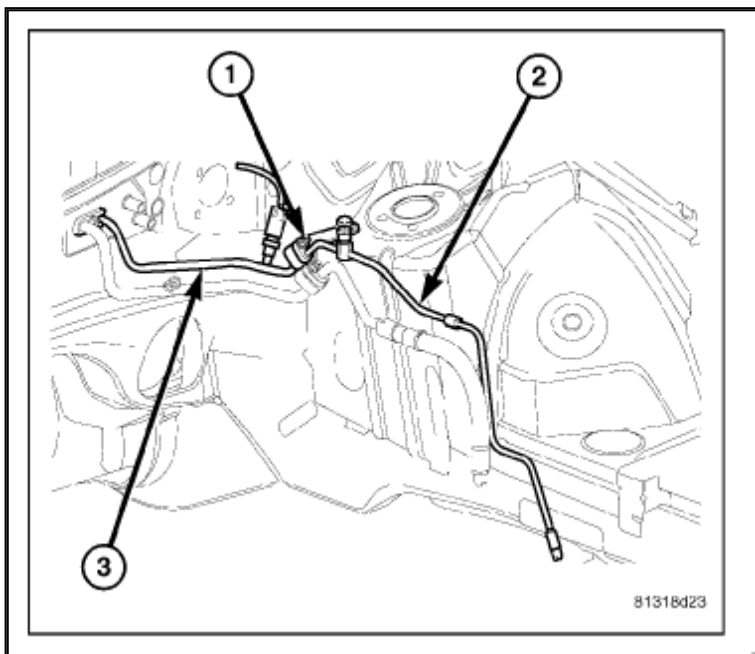


Zoom

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1. Recover the [refrigerant](#) from the refrigerant system.
2. Disconnect and isolate the negative battery cable.
3. Remove the [air cleaner housing](#).
4. Raise and support the vehicle.

5. Remove the front end splash shields.
6. Remove the nut (3) that secures the front section of the A/C liquid line (4) to the A/C condenser (5).
7. Disconnect the A/C liquid line from the A/C condenser and remove and discard the dual plane seal.
8. Install plugs in, or tape over the opened liquid line fitting and condenser outlet port. **NOTE:** LHD model shown. RHD model similar.

[Zoom](#)[Sized for Print](#)

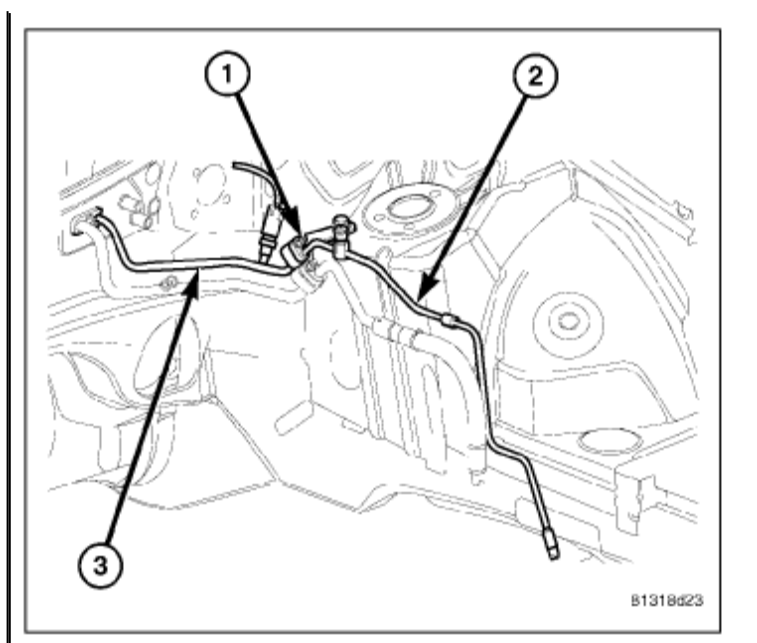
9. Lower the vehicle.
10. Remove the nut (1) that secures the front section of the A/C liquid line (2) to the rear section of the liquid line (3).
11. Disconnect the front section of the A/C liquid line from the rear section of the liquid line and remove and discard the dual plane seal.
12. Install plugs in, or tape over the opened liquid line fittings.
13. Remove the front section of the A/C liquid line from the engine compartment.

INSTALLATION

NOTE:

- The A/C liquid line is serviced in two sections. The rear section of the liquid line is serviced as an assembly with the rear section of the A/C suction line.
- LHD model shown. RHD model similar.





Zoom

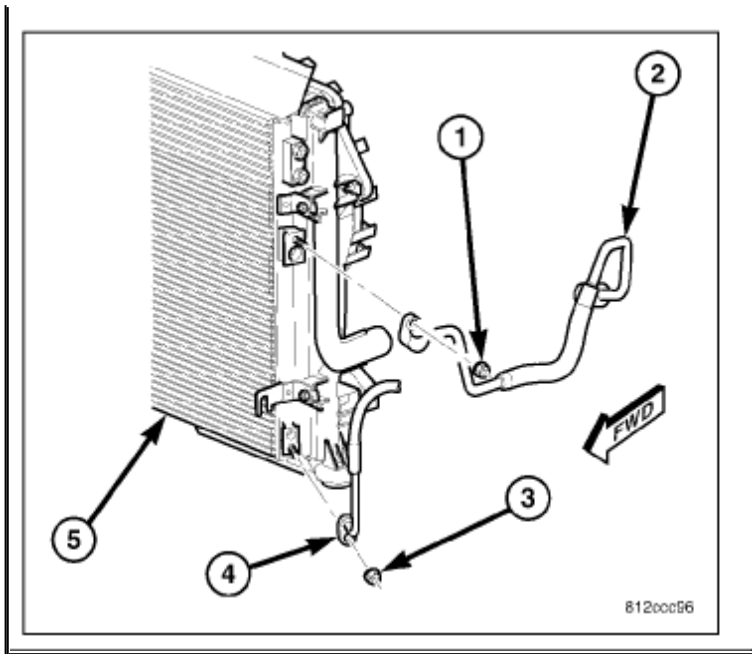
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1. Position the front section of the liquid line (2) into the engine compartment.
2. Remove the tape or plugs from the fittings that connect the front section of the A/C liquid line to the rear section of the A/C liquid line (3).
3. Lubricate a new dual plane seal with clean [refrigerant oil](#) and install it onto the liquid line fitting. Use only the specified seal as it is made of a special material for the R-134a system. Use only refrigerant oil of the type recommended for the A/C compressor in the vehicle.
4. Connect the front section of the A/C liquid line to the rear section of the A/C liquid line.
5. Install the nut (1) that secures the front section of the A/C liquid line to the rear section of the A/C liquid

line. Tighten the nut to **22 N.m (16 ft. lbs.)** .

6. Raise and support the vehicle.
7. Remove the tape or plugs from the fitting on the front section of the A/C liquid line (4) and the outlet port of the A/C condenser (5).
8. Lubricate a new dual plane seal with clean [refrigerant oil](#) and install it onto the liquid line fitting. Use only the specified seal as it is made of a special material for the R-134a system. Use only refrigerant oil of the type recommended for the A/C compressor in the vehicle.



[Zoom](#)[Sized for Print](#)

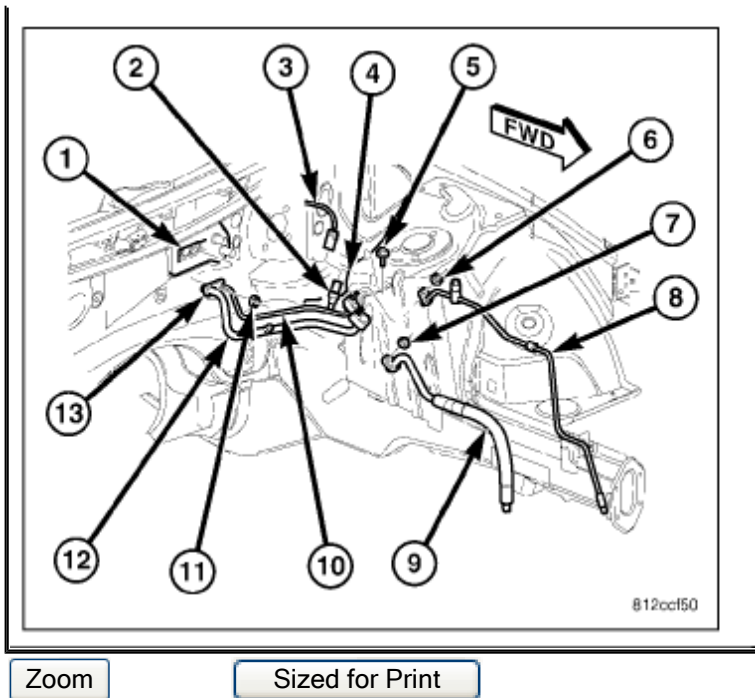
9. Connect the A/C liquid line to the A/C condenser.
10. Install the nut (3) that secures the front section of the A/C liquid line to the A/C condenser. Tighten the nut to **22 N.m (16 ft. lbs.)** .
11. Install the front end splash shields.
12. Lower the vehicle.
13. Install the [air cleaner housing](#).
14. Reconnect the negative battery cable.
15. Evacuate the [refrigerant](#) system.
16. Charge the [refrigerant](#) system

REAR SECTION

REMOVAL

NOTE: LHD model shown. RHD model similar.

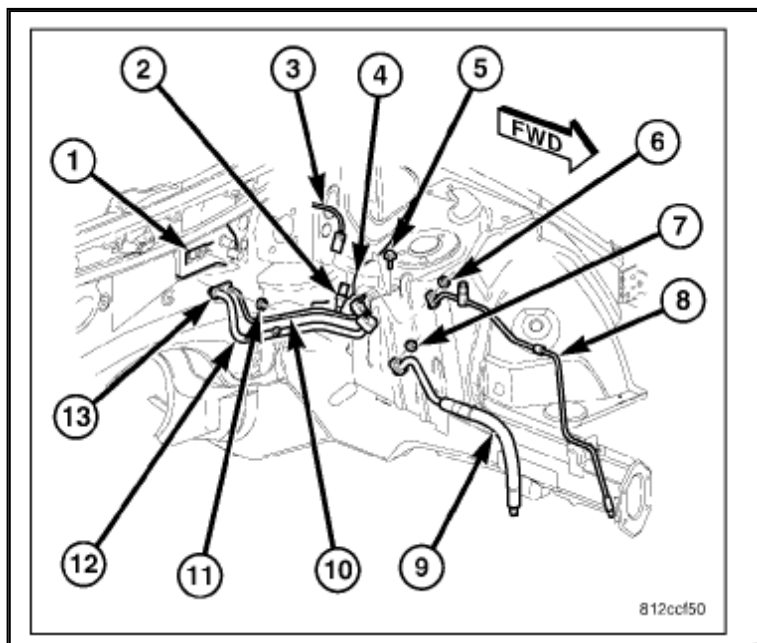




1. Recover the [refrigerant](#) from the refrigerant system.
2. Disconnect and isolate the negative battery cable.
3. Remove the [air cleaner housing](#).
4. Remove the nut (6) that secures the front section of the A/C liquid line (8) to the rear section of the liquid line (10).
5. Disconnect the front section of the A/C liquid line from the rear section of the liquid line and remove and discard the dual plane seal.
6. Install plugs in, or tape over the opened liquid line fittings.
7. Remove the nut (7) that secures the front section of the A/C suction line (9) to the rear section of the suction line (12).
8. Disconnect the front section of the A/C suction line from the rear section of the suction line and remove and discard the dual plane seal.
9. Install plugs in, or tape over the opened suction line fittings.
10. Disconnect the wire harness (3) from the A/C pressure transducer (2).
11. Remove the bolt (5) that secures the refrigerant line mounting bracket to the left front shock tower (4).
12. Remove the nut (11) that secures the liquid and suction line tapping block (13) to the A/C expansion valve (1).
13. Disconnect the rear section of the A/C liquid and suction lines from the A/C expansion valve.
14. Remove the dual plane seal from the suction and liquid line fittings and discard.
15. Install plugs in, or tape over the opened suction and liquid line fittings and the expansion valve ports.
16. Remove the rear section of the A/C liquid and suction lines as an assembly from the engine compartment.
17. If required, remove the A/C pressure transducer from the rear section of the A/C liquid line.

INSTALLATION

NOTE: LHD model shown. RHD model similar.



Zoom

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1. If removed, install the A/C pressure transducer (2) onto the A/C liquid line (10).
2. Position the rear section of the A/C liquid line (10) and the rear section of the A/C suction line (12) as an assembly into the engine compartment.
3. Remove the tape or plugs from the suction and liquid line fittings and the ports in the A/C expansion valve (1).
4. Lubricate a new dual plane seal with clean [refrigerant oil](#) and install it onto the suction and liquid line fittings. Use only the specified seal as it is made of a special material for the R-134a system. Use only refrigerant oil of the type recommended for the A/C compressor in the vehicle.
5. Connect the rear section of the A/C liquid and suction lines to the A/C expansion valve.
6. Install the nut (11) that secures the liquid and suction line tapping block (13) to the A/C expansion valve. Tighten the nut to **23 N.m (17 ft. lbs.)** .
7. Install the bolt (5) that secures the refrigerant line mounting bracket to the left front shock tower (4). Tighten the bolt to **11 N.m (100 in. lbs.)** .
8. Connect the wire harness (3) to the A/C pressure transducer.
9. Remove the tape or plugs from the fittings that connect the front section of the A/C liquid line (8) to the rear section of the A/C liquid line.
10. Lubricate a new dual plane seal with clean [refrigerant oil](#) and install it onto the liquid line fitting. Use only the specified seal as it is made of a special material for the R-134a system. Use only refrigerant oil of the type recommended for the A/C compressor in the vehicle.
11. Connect the front section of the A/C liquid line to the rear section of the A/C liquid line.

12. Install the nut (6) that secures the front section of the A/C liquid line to the rear section of the A/C liquid line. Tighten the nut to **22 N.m (16 ft. lbs.)** .
13. Remove the tape or plugs from the fittings that connect the front section of the A/C suction line (9) to the rear section of the A/C suction line.
14. Lubricate a new dual plane seal with clean [refrigerant oil](#) and install it onto the suction line fitting. Use only the specified seal as it is made of a special material for the R-134a system. Use only refrigerant oil of the type recommended for the A/C compressor in the vehicle.
15. Connect the front section of the A/C suction line to the rear section of the A/C suction line.
16. Install the nut (7) that secures the front section of the A/C suction line to the rear section of the A/C suction line. Tighten the nut to **22 N.m (16 ft. lbs.)** .
17. Install the [air cleaner housing](#).
18. Reconnect the negative battery cable.
19. Evacuate the [refrigerant](#) system.
20. Charge the [refrigerant](#) system

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