

Check A/C Condensate Drain Hose on E60, E61, E63, and E64 vehicles.

TEST PROCEDURE

Note: Read the complete Test and Repair Procedures before starting.



1. Position the vehicle on a lift (or over a pit).

Remove the vehicle underbody around the transmission; see Repair Instruction REP 51 47... "Removing and installing /replace the rear assembly underside protection".



2. Switch Terminal 15 on. Turn on the air conditioner and set the blower to minimum.

Deactivate the recirculated-air mode to open the fresh air flaps.



3. Remove the two covers from the microfilter housing. The fresh air flaps are now visible.



4. Pour a maximum of 250ml of water behind the fresh air flaps onto the sloping wall of the air conditioning housing, as shown.

Note: This must be done on both sides. Test one side at a time.



5. After a short delay (approx 10 - 15 secs), the water must flow out of the condensate drain hoses attached to the vehicle's underbody.

Note: If no water is flowing out from the condensate drain hose on the same side into which the water was introduced, the connecting piece is blocked and must be replaced.



6. If no water flows out of either side, both condensate drain hoses are blocked and must be replaced.

REPLACEMENT PROCEDURE

If the above tests show that a condensate drain hose must be replaced, replace the faulty part(s) as follows.

Refer to the appropriate section below, based on the vehicle being repaired.

7. Vehicles equipped with 6-cylinder engines and 2-wheel drive:

If the driver's side (left) condensate drain hose is found to be defective/clogged, no further preparatory work is needed to access the condensate drain hose.

If the passenger side (right) condensate drain hose is clogged, perform the following preparatory work:

Remove the exhaust system; refer to Repair Instructions REP 18 00 018 "Removing and installing the complete exhaust system".

Remove the heat shield.

Remove the transmission mounts.

Note: The condensate drain hose is secured with a plastic nut (wrench size 10mm).

Continue with steps 10 – 13.

8. Vehicles equipped with 6 cylinder engines; X-drive:

If the condensate drain hose is found to be defective/clogged, perform the following preparatory work:

Remove the exhaust system; refer to Repair Instructions REP 18 00 018 "Removing and installing the complete exhaust system".

Remove the heat shield.

Remove the transmission mounts.

The transfer case must be removed; refer to Repair Instructions REP 27 10 010 "Removing and installing the transfer case".

Note: The condensate drain hose is secured with a plastic nut (wrench size 10mm).

Continue with steps 10 – 13.

9. Vehicles equipped with 8 and 10-cylinder engines:

If the condensate drain hose(s) is found to be defective/clogged, perform the following preparatory work:

Remove the exhaust system; refer to Repair Instructions REP 18 00 018 "Removing and installing the entire exhaust system".

Remove the heat shield.

Remove the transmission mounts.

Remove the driveshaft; refer to Repair Instructions REP 26 11 000 "Removing and installing the entire drive shaft".

Continue with the remaining steps below.

Note: Driver's side is shown below; passenger side is similar.



10. The photo shows the condensate drain hose on the 528i driver's side (left)..



Note: The condensate drain hoses are secured with a plastic nut (wrench size 10mm) as shown in photo.



11. Remove the condensate drain hose and connecting piece from the transmission tunnel.



12. Separate the connecting elbow from the drain hose with the help of a suitable tool. Replace the connecting elbow (P/N 11 15 1 277 301).

Note: Verify that the replacement connecting elbow is not clogged before reinstallation.



13. Reassemble and reinstall all parts removed from the vehicle.