



V8 XJ Series

DATE 10/98

412-05

SERVICE

TECHNICAL BULLETIN

A/C Odor – Apply Odor Control Treatment

MODEL 1998 MY-ON
V8 XJ Series

VIN

812256-ON

Issue:

Under certain conditions, some of the above V8 XJ Series vehicles may give off a musty odor from the air conditioning system at vehicle start-up.

This condition is more likely in areas with high ambient temperatures and high humidity.

The odor can be eliminated by applying the Jaguar Air Conditioning Odor Control Treatment.

Action:

In case of a customer complaint of odor from the air conditioning system, verify that the odor is not from an external source. After verifying that the odor is from the A/C system itself, proceed as follows:

1. Check if any A/C Diagnostic Trouble Codes are present and note for separate diagnosis.
2. Disconnect the condensate drain tubes and push a suitable piece of soft wire down the tubes to clear any blockage. Reconnect the tubes to the A/C unit.
3. Place suitable covering over the front carpets to catch any liquid spilled during the following steps.
4. Place a drain pan under the car to collect liquid from the condensate drain tubes.
5. Remove the wiper arm assembly.
6. Remove the plenum finisher, pollen filters, if equipped, and rain deflectors.
7. Disable the A/C compressor by disconnecting the wiring harness to ensure that the compressor will not operate during the following steps.

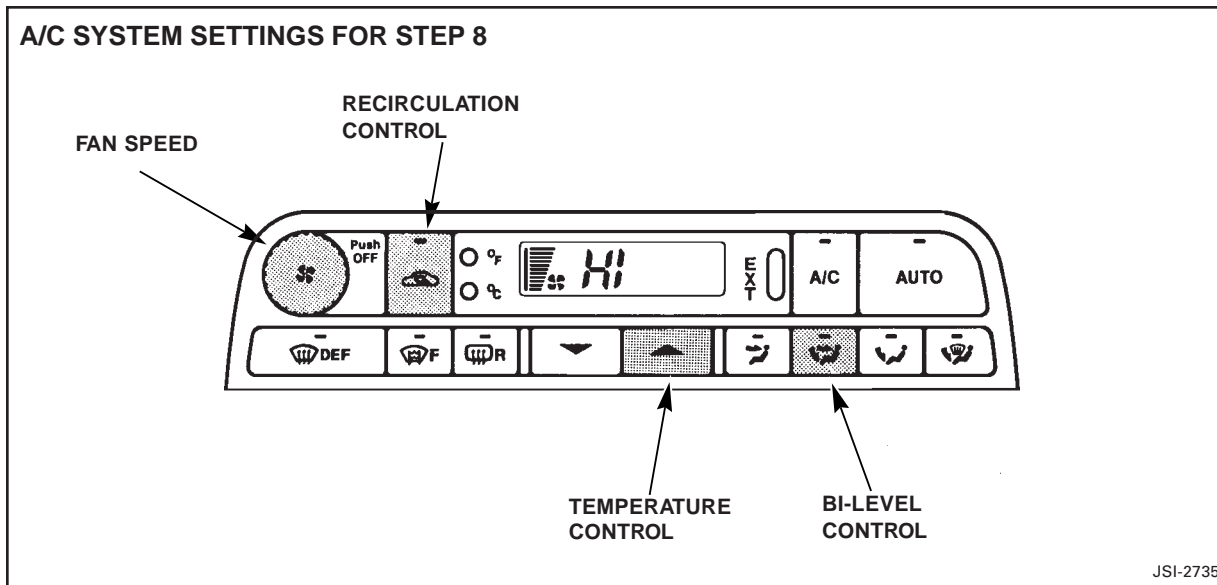


ILLUSTRATION 1

8. With the parking brake applied and the transmission in Park, start the engine and set the A/C controls to the following settings:
 - a) Set temperature control (Illustration 1) to HI.
 - b) Set fan speed control to maximum.
 - c) Set bi-level control to face and feet.
 - d) Set recirculation to continuous by holding button depressed for two seconds until two beeps are heard.
9. Open the fascia and console vents, lower one window approximately 0.5 inch (13 mm), then close the doors.
10. Allow the engine to run for 20 minutes with the system in the above settings to blow hot, dry air over the evaporator to remove any residual moisture.

NOTE: Failing to allow a minimum of 20 minutes running time will dramatically reduce the effectiveness of the product.

11. Open the door and press the Recirculation button once (Illustration 1) to “unlatch” the recirculation control and revert to outside air supply, then close the door. Do not change any other control setting.

12. Place the applicator kit and the two bottles of odor control on a clean work surface. Note that the applicator for the **right** side of the system has a **white** bottle cap, while the applicator for the **left** side of the system has a **black** bottle cap (Illustration 2).

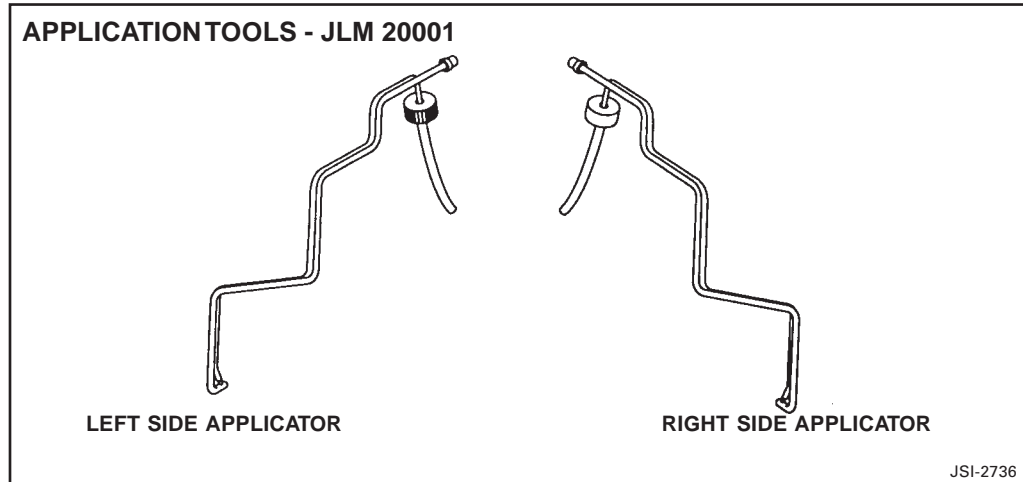


ILLUSTRATION 2

NOTE: Before using the applicator tools for the first time, practice inserting the tools without attachments into the plenum opening (Illustration 3) to become familiar with the route through the passages. Apply tape to the area of the body around the air intake to protect against damage. Use care not to damage the tool nozzle which could affect the distribution of the spray in the air duct.

The outlet nozzle is in the correct position when the tool is in the final vertical position, with the upper input arm of the tool parallel to the vehicle centerline (Illustration 3).

INSERTING APPLICATOR TOOL INTO PLENUM OPENING

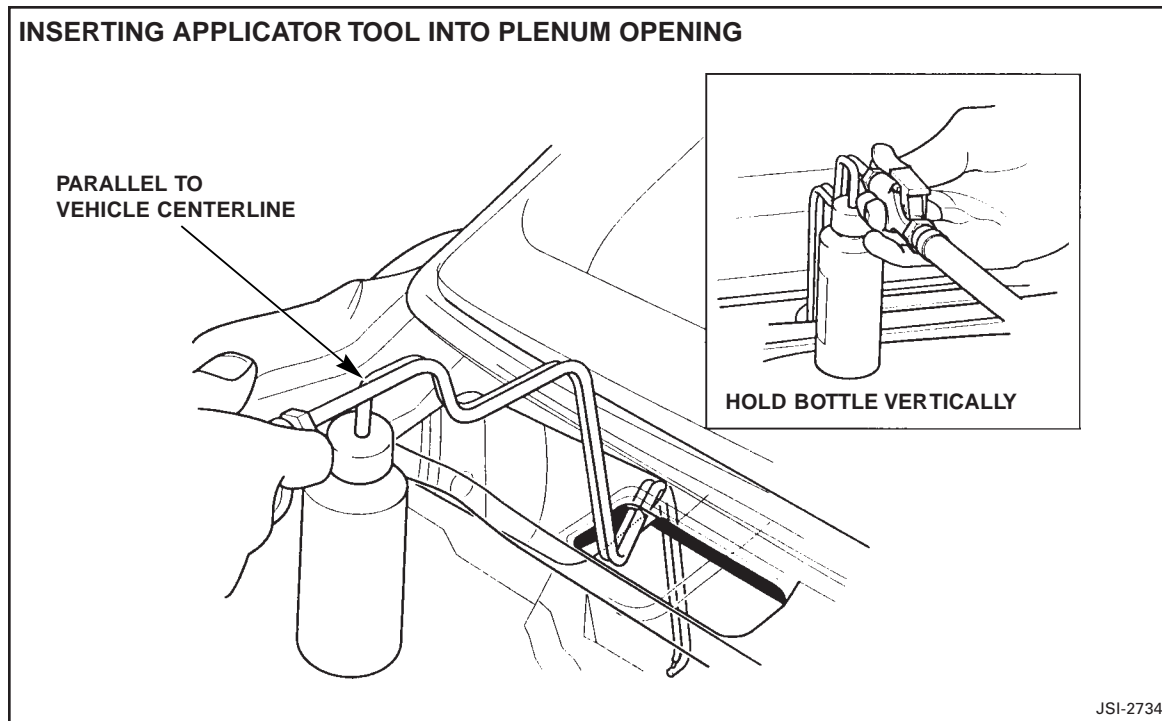


ILLUSTRATION 3

13. Connect the right side applicator to the workshop air line and insert it into the right side of the plenum until the final, vertical position is reached as practiced earlier (Illustration 3).
14. Shake a bottle of Air Conditioning Odor Control thoroughly, remove the cap and screw the bottle to the cap on the applicator tool.

⚠ WARNING: The air conditioning odor control solution is an irritant and must be handled with care. Wear gloves and eye protection while applying this solution. Any spillage must be flushed away with water.

15. With the engine and ventilation systems still running, open the compressed air valve to spray the odor control fluid into the system.

NOTE: The air pressure should be 70 ± 20 psi.
The odor control should be applied in bursts of 3 second duration with a 2 second interval to provide sufficient solution without having an excess leaking from the air outlets.

⚠ WARNING: No persons or pets should be allowed to remain in the vehicle while applying the odor control treatment.

16. Use up the contents of one bottle to treat one side of the system.
17. Connect the left applicator tool to a workshop air line and insert it into the left side of the plenum until the final, vertical position is reached as practiced earlier (Illustration 3).
18. Shake a bottle of Air Conditioning Odor Control thoroughly, remove the cap and screw the bottle to the cap on the applicator tool. Repeat steps 15 and 16 on the left side, then proceed to step 19.
19. Leave the engine and fans running for a further 2 minutes to ensure a thorough dispersion of the odor control fluid.
20. Switch off the ignition and leave the vehicle for **10 minutes**.
21. After 10 minutes:
 - a) Switch on the ignition without starting the engine.
 - b) Press the four air distribution buttons (Illustration 4) separately, to operate the distribution flaps.

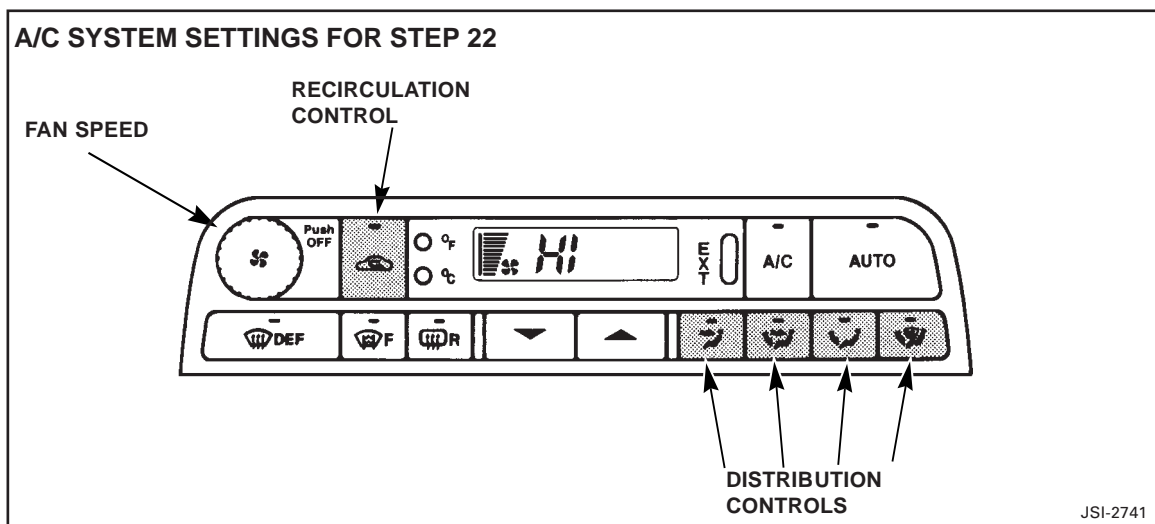


ILLUSTRATION 4

22. Switch the ignition off and leave the vehicle for an **additional 10 minutes** for a total curing time of 20 minutes.

23. During this time clean out the applicators to prevent the fluid from congealing in the applicator pipes. Wash out one of the empty bottles and fill it with water. Then, attach first one, then the other, applicator to the bottle and the air line and blow the water through each applicator.
24. Remove the tape from around the air intake. Reinstall the rain deflectors, pollen filters (if equipped), plenum finisher and wiper arm assembly.
25. After the 20 minute curing period, switch on the ignition. Press the four air distribution buttons separately, to check the operation of the distribution flaps.

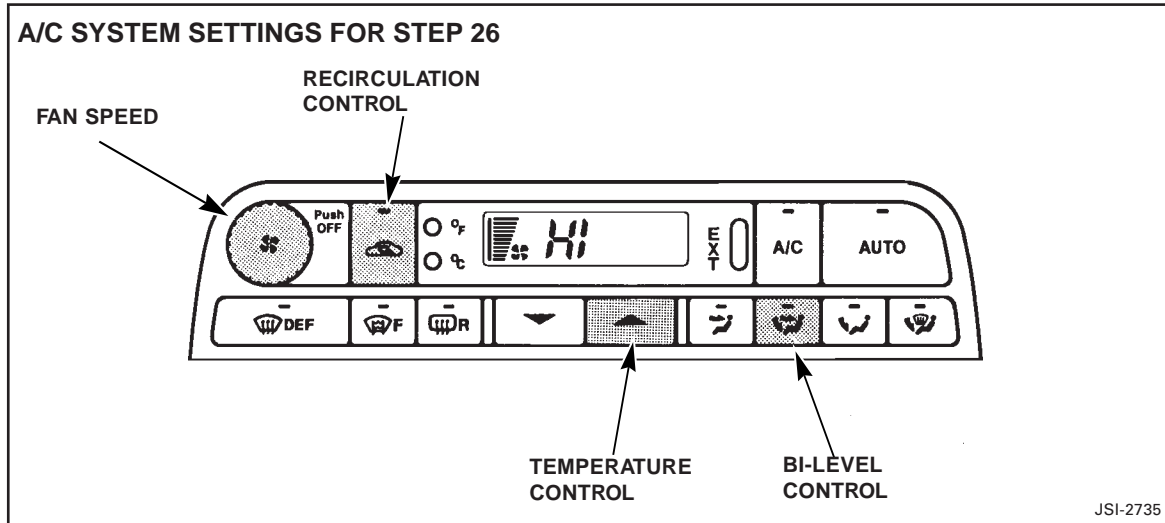


ILLUSTRATION 5

26. Start the engine and reset the A/C controls as follows:
 - a) Set temperature control (Illustration 5) to HI.
 - b) Set fan speed control to maximum.
 - c) Set bi-level control to face and feet.
 - d) Set recirculation to continuous by holding button depressed for two seconds until two beeps are heard.
27. Open all windows approximately 0.5 inch (13 mm), then close the doors.
28. Leave the vehicle with the engine running and the A/C controls at the above settings for 15 minutes to ensure that the treatment is dried onto the evaporator.

29. After the 15 minutes, check the air conditioning mode controls:
 - a) Press the recirculation button (Illustration 5) to disengage recirculation.
 - b) Press the four air distribution buttons separately, to operate the distribution flaps.
30. Reset the A/C controls as follows:
 - a) Set temperature control (Illustration 5) to HI.
 - b) Set fan speed control to maximum.
 - c) Set bi-level control to face and feet.
 - d) Set recirculation to continuous by holding button depressed for two seconds until two beeps are heard.
31. Leave the vehicle with the engine running and the A/C controls at the above settings for another 15 minutes to reach a total drying time of 30 minutes to ensure complete curing of the treatment.
32. Switch off the ignition and reconnect the compressor wiring harness connector.
33. Remove the protective covers and the drain pan.
34. Check all the A/C control functions and clear any stored A/C Diagnostic Trouble Codes.

Parts Information:

<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>QTY</u>
Air Conditioning Odor Control	JLM 20000	2 cans*
* Two (2) cans are packed per box.		

Tool Information:

Order tool JLM 20001 directly from SPX Kent-Moore, not Jaguar Cars. Refer to page 32 of Jaguar Special Service Tools catalog.

Phone:

1-800-345-2233 U.S. and Canada
 1-810-574-2332 U.S., Canada and Mexico

Fax:

1-800-578-7375 U.S. and Canada
 1-810-578-7321 Mexico only

NOTE: The cost of the tool kit is not covered under warranty.

Warranty Information:

<u>FAULT</u>	<u>R.O.</u>	<u>DESCRIPTION</u>	<u>TIME</u>
<u>CODE</u>	<u>NUMBER</u>		<u>ALLOWANCE</u>
JB DB D7	82.91.21	A/C odor control treatment	1.00 hrs.