



TECHNICAL BULLETIN

S412-03

09/2001

Subject

AIR CONDITIONING SYSTEM ODOR

Model: S-Type

Year 1999 Onwards

VIN from L00600 Onwards

Section: 412

Climate Control System

Sub-Section: 412-03

Air Conditioning

Summary

This Technical Bulletin has been issued due to customer complaints of unpleasant odors from the air conditioning system. A workshop procedure has been produced to eliminate this problem.

Action

Odor from the vehicle air conditioning system may be created when condensation forms in and around the air conditioning evaporator. The forming of condensation is a normal and necessary function during the operation of the system. However, when condensation mixes with airborne pollutants, biological reactions may lead to the formation of unpleasant odors. In turn when the ventilation blower is switched on, these odors will be forced into vehicle passenger compartment. On a customer complaint basis only, follow the workshop procedure outlined below:

Workshop Procedure

- 1 Check customer complaint is valid i.e. that odor is not from an external source but is in fact coming from air conditioning system.
- 2 Check for any Diagnostic Trouble Codes (DTCs).
- 3 Open hood and fit fender protection covers.
- 4 Install suitable floor coverings over front carpets to collect any liquid spillage during operation.
- 5 Install drain tray under vehicle to collect any surplus liquid from condensation drain tubes.
- 6 Remove wiper arms.
- 7 Remove leaf screen finisher.
- 8 Remove and inspect cabin air filter cartridge. If contaminated, discard and replace with new cartridge when application of odor treatment has been completed.
- 9 Disconnect air conditioning (A/C) compressor electrical connector.
- 10 Attach exhaust fume extractor pipes to exhaust tail pipes.
- 11 Ensure handbrake is fully applied and transmission selector is in 'P' (automatic transmission) or neutral (manual transmission).
- 12 Start engine and set the A/C controls as follows: -
Set driver temperature control to 'HI' selecting maximum fans (if not already engaged) push and hold 'recirculation' button until 2 audible chirps are heard (latched into the continuous position).
Open all front and rear vents, lower one window approximately 15mm (0.15in) and ensure all doors closed.
- 13 Let engine idle for 20 minutes to blow dry hot air over evaporator to remove any residual moisture.
- 14 Open door and press recirculation button once to de-latch recirculation control so as to revert to external air supply, then close door.
- 15 Shake bottle of A/C odor control solution to ensure thorough mixing.

WARNING: THE AIR CONDITIONING ODOR CONTROL SOLUTION IS AN IRRITANT AND MUST BE HANDLED WITH CARE. GLOVES AND EYE PROTECTION MUST BE WORN WHEN USING THIS SOLUTION AND ANY SPILLAGE MUST BE REMOVED WITH WATER.

16 Connect applicator tool to a workshop airline.

CAUTION: THE COMPRESSED AIR SUPPLY SHOULD BE SET TO 70 lb/in \pm 20 lb/in (4.7 BAR \pm 1.4 BAR).

17 Remove screw cap from bottle of A/C odor control solution and screw bottle to cap attached to the applicator.

18 Insert applicator tool into fan intake duct so nozzle points in direction of air flow.

Note: Do not rest nozzle tip against gauze screen, as this will disturb atomization.

19 With engine and ventilation system still running, open valve on applicator tool to project odor control solution into system. (See Fig. 1)

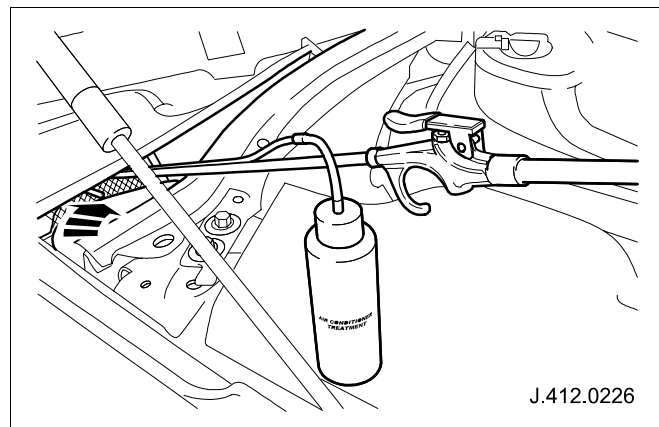


Fig. 1

Note: The odor control should be applied in bursts of 3 seconds with a 2 second interval, until entire contents of the bottle is used. This will provide sufficient solution without the surplus leaking from the ventilation outlets.

WARNING: DURING THE APPLICATION OF THE ODOR CONTROL SOLUTION, NO PERSON OR ANIMAL SHOULD BE ALLOWED TO REMAIN IN THE VEHICLE.

20 Let engine and A/C fans run for a further 2 minutes to obtain a higher rate of dispersion.

21 Immediately after odor control solution bottle has been emptied, clean the applicator and bottle by flushing it out with clean water.

Note: The tip of applicator nozzle should be directed into an appropriate drain.

22 Stop engine and A/C fans and leave for 20 minutes.

23 Repeat steps 11 and 12.

24 Dry and cure product in this mode for approximately 20 minutes.

25 Open door and press recirculation button once to de-latch recirculation control.

26 After approximately 30 seconds, re-select recirculation mode and check operation of recirculation flap.

27 Switch off ignition and re-connect A/C compressor electrical connector.

28 Inspect and install cabin air filter cartridge. If contaminated, discard and replace with new cartridge as blocked filter can cause unpleasant odors.

Note: Check service history as cabin air filter cartridge is changed at every 10000m service interval.

29 Install leaf screen finisher.

30 Install wiper arms.

31 Remove drain tray and exhaust fume extractor.

32 Remove front carpet protection covers.

33 Remove hood protection covers, close hood.

- 34 Check all A/C control functions.
 35 Using WDS check for any Diagnostic Trouble Codes (DTCs) and remove if any stored.

CAUTION: IT SHOULD BE NOTED THAT ALL DISPLACED OILS AND FLUIDS MUST BE DISPOSED OF LOCALLY, ENSURING COMPLIANCE WITH LOCAL AUTHORITY LEGISLATION AND HEALTH AND SAFETY GUIDELINES.

Parts Information

All parts must be ordered via Jaguar Cars Parts Operations. The A/C odor control application tool should not be included in any warranty claim.

Description	Part Number	Quantity/vehicle
Air conditioning odor control solution	JLM 20000	1
Air conditioning odor control application tool	JLM 21691	1

Warranty Information

Description	SRO	Labor Time Allowance	Warranty Code
Air conditioning odor control treatment	82 91 21	1.0 Hour	JJ-LB-N1