

Product Information News

May 11, 2004

AUDI-LARM™ AUDIBLE ALARM OVERHAUL

MSA is changing the Audi-Larm Overhaul Procedure to reflect the new maintenance procedure for CARE Technicians who have identified residue or foreign material inside the adjusting chamber on internal components.

⚠ CAUTION

The following Maintenance Procedures must be performed by an MSA certified repair technician.

TOOLS

No special tools are needed. All work can be completed using standard Audi-Larm tools and sealant.

AUDI-LARM TESTING

Note: Conduct Audi-Larm testing as specified in the MSA User's Instructions and/or Maintenance Manuals.

If the Audi-Larm does not perform within the specific requirements:

Ensure the cylinder valve is fully closed. Open the bypass valve to release all pressure from the system. Then, remove the Audi-Larm Assembly from the alarm tester.

1. Remove the adjusting screw.
2. Inspect the unit for evidence of foreign material.
3. Remove dried sealant from screw threads using a brass-bristled brush and alcohol.
4. If foreign material is found, clean the internal body threads to remove any residue or debris with a soft brass-bristled brush and alcohol.
5. Re-assemble the Audi-Larm.
6. Apply a thin bead of Loctite #222 one full turn around the middle thread.

Note: Excessive use of Loctite can result in improper performance of the alarm or difficulty in removing the adjusting screw.

7. Retest the Audi-Larm. If audible alarm still does not meet specified requirements, perform the overhaul procedures. Reference certified maintenance manual for overhauling procedures.



For More Information: Call (1-800-MSA-2222) or Visit Our Website at (www.MSAnet.com)



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TROUBLESHOOTING

Trouble	Probable Cause	Remedy
Audi-Larm does not ring when pressurized.	Audi-Larm bell is loose.	Install new screws and washers. Refer to PIN P/N 10041212 (Single Screw) and PIN P/N 10041213 (Dual Screw).
	Dirt or foreign matter have affected the O-ring seals inside the Audi-Larm or the proper operation of the Audi-Larm striker.	Overhaul the Audi-Larm.
	Internal leak.	Overhaul the Audi-Larm
		Over the Audi-Larm and replace the piston.
Audi-Larm leaks.	Audi-Larm insert O-ring is leaking.	Try to hand-tighten the coupling nut further onto the cylinder valve. If this is unsuccessful, the insert O-ring may need to be replaced.
	Leakage at the pipe thread fitting.	Completely leak test all fittings on the Audi-Larm assembly. Relieve pressure and then tighten, if necessary.
Audi-Larm does not fully pressurize.	Cylinder pressure too low.	Replace cylinder with a fully pressurized cylinder.
	Internal leak.	Overhaul Audi-Larm and replace piston.
	External leak.	Replace coupling nut nipple O-ring.
Audi-Larm does not start to ring at required setting.	Adjustment too high.	Adjustment: Turn the adjusting screw counter-clockwise (out) 1/8 turn. Retest the Audi-Larm.
	Adjustment too low.	Adjustment: Turn the adjusting screw clockwise (in) 1/8 turn. Retest the Audi-Larm.
	Dirt or foreign matter have affected the O-ring seals inside the Audi-Larm or the proper operation of the Audi-Larm striker.	Overhaul the Audi-Larm.
Audi-Larm does not ring continually all the way down to within color code mark or lower.	Internal leak.	Overhaul Audi-Larm.
		Overhaul Audi-Larm and replace the piston.

Note: If after performing the remedy, the Audi-Larm still does not perform properly during the Audi-Larm test, it must be replaced.