

INSTRUCTION LEAK DETECTION SET WITH HYDROGEN/NITROGEN

Thanks to this equipment for pressurization of Automotive and HVAC air conditioning system it is possible to detect the leaks in the system. The electronic leak detector detects only the hydrogen: as the hydrogen molecules are very small, this is the ideal solution to find also the smallest leaks.

1. Make sure that the pressure regulator is closed (handle completely counterclockwise turned)
2. Tighten the cylinder to the pressure regulator (using the proper adapter for 1 liter bottle or 2.2)
3. Tighten the hose to the other side of the regulator
4. Tighten the manifold gauge to the yellow hose (at the tap side)
5. After have recovered the gas with a recovery unit, connect to the high side port of the air conditioning system
6. Slowly open the handle of the pressure regulator and put the system under pressure till the needle on the manifold gauge arrives at the area corresponding to the gas inside the system
7. Close the tap upstream of the manifold gauge and manually put the other needle at the same level of the first one
8. Wait 15/20 minutes to verify, according to the following cases:
 - CASE 1: if the needles remain superimposed, there isn't any leak
 - CASE 2: if the needle of the pressure is gone down, it means that there is a leak inside the system. Using the electronic leak detector, check the air conditioning system to find the exact point of the leak
9. At the end of the operation, unscrew the hose of the manifold gauge from the coupler and slowly open its tap to discharge the Nitrogen/Hydrogen inside the system

WARNING:

The sensor housing tip must always be protected by impurities and dirtiness. If this part is particularly dirty, it should be wiped of with a towel or compressed air. Don't use detergents or solvents.

- When the leak detector finds an apparent leak, this shall be verified at least once by blowing compressed air into the area of the suspected leak and repeating the check. In cases of large leaks, blow out the area with compressed air to locate the exact position of the leak.

- The sensor has a limited operative period. Under normal operation, the sensor should work for more than one year. Expose the sensor to high gas density will shorten its life cycle. It is important to ensure that the sensor surface is free from water drops, vapor, oil, grease, dust and any other form of contaminant. To ensure the best working conditions, the sensor must be replaced periodically.

Read carefully the instruction before to use and keep them for future uses. The manufacturer shall not be held liable for accidents and/or injuries to persons or damage to property due to an improper use of the equipment or to a modification on it. Keep out of the reach of children. Professional use only.

Protect from direct sunlight. Do not expose to temperature exceeding 50°C/120°F. Keep away from flammable materials. Store in a cool, dry place. Do not puncture, pierce or incinerate, even after use. Discard in a safe place.