⚠ WARNING

Safety precautions

a) unit is intended for operator professionally well trained, he must know refrigeration foundamentals, cooling systems, refrigerants and possible damages that equipments under pressure could cause
b) read carefully instructions in the literature, strict observance of procedures is main condition for operator safety, constant declared performances and unit undamaging
c) wear safety glasses and gloves when handling refrigerant; avoid contact with refrigerant, blindness and injuries may result to operator
d) keep away from flames and hot surfaces; high temperature decomposes refrigerant releasing toxic
contaminants very dangerous for environment and operator
e) avoid skin contact; refrigerant has a very low boiling temperature (about -30°C/-22°F) and freezing may occurs
f) avoid from breathing refrigerant vapor
g) vacuum pump must always be suitably earthed
h) even if the pump temperature is not expected to rise a high level during use, it is advisable to locate the unit so that users cannot make contact with the casing, as burns may result
i) vacuum pump is air cooled with integral fan; use only where air can freely circulate
j) before station disconnecting, verify cycle has been completed and valves are closed so refrigerant will not vented in environment
k) do not attempt to fill cylinders with liquid refrigerant more than 75% of total volume
l) disconnect power before a long period of inactivity
m) during operations, do not vent refrigerant in environment.
This precaution, also required by international laws in force for environmental protection, is essential to avoid difficult leaks detection due to ambient polluted by refrigerant.

1 - Introduction

This crimper is part of a new generation of **ultra-compact, light and modular** tools far A/C service operating with R134a refrigerant.

The crimper bodies are made entirely of **high-strength aluminium alloy**, the guide studs and drive bolt are made of **premium steel alloy**, the crimping dies and the lock latch are made of **extra-hard stainless steel.**

All the parts of the crimper can be easily disassembled without the need for special tools.

The crimper locking system, by means of a **steel latch**, is both simple and safe: simply push the **plastic cover** sideways to release or lock the crimper bodies; the cover is ergonomic and therefore easy to grip, its purpose is **to prevent dirt getting** into the sliding mechanism.

The crimping dies and the die assembly carriers permits obtaining a **safe and uniform** crimp around the ferrule circumference.

Die locking and replacement is simple thanks to the **magnets** fitted to the bodies: simply grip the dies between two fingers to remove or fit these to the crimper bodies.

The **transparent plates** allow constant visual inspection of the fitted dies, the **lateral springs** assure the necessary flexure to the plates during crimping.

For manual operation, the best work position is with the crimper firmly secured to a bench vice. Crimping is best done by fully tightening the drive bolt with a **reversible ratchet wrench** until the dies are completely closed.

⚠ WARNING

Air impact tools should never be used to tighten the drive bolt, it voids the warranty.

2 – Safety information

⚠ WARNING

Carefullv read this manual before using the tool.

Make sure the product has not been damaged during transport.

Use the crimper properlv and onlv for the purpose for which it was intended. The tool has been designed to crimp fittings and hoses of a/c svstems made according to sae j51 and sae j2064 specifications.

Do not use the a/c dies provided to crimp fittings and hoses different from those indicated.

If the manual crimper is used together with hvdraulic power units, use only original components supplied bv the manufacturer; the user shall assume all llabilltv in the event of non-genuine components being used.