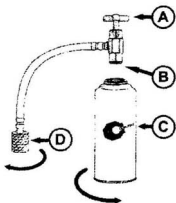


## INSTRUCTIONS



**Note:** Due to the possibility of high levels of moisture, especially in older vehicles, it would be advisable to first replace the receiver-dryer accumulator before installing Super Seal Premium™.

**Note:** Should a vendor supplied replacement dryer be delivered without caps on the ports, **DO NOT ACCEPT IT!** It can already be contaminated with moisture!

cw = clockwise

ccw = counter clockwise

## PROFESSIONAL USE ONLY

### NOT TO BE USED ON HERMETIC SYSTEMS

1. Recover refrigerant in the a/c system.
2. Vacuum a/c system for **5 minutes only**. **Caution:** If you cannot reach 29" vacuum within 5 minutes and hold above 23" for 5 minutes, there may be a single hole too large for Super Seal Premium™ to repair. Alternatively, there may be an equal area of smaller holes that Super Seal Premium™ can repair. The use of nitrogen can be a more positive method of leak intensity detection (see hints and tips).
3. Draw and hold a deep 29" vacuum for as long as is practical, but never less than 30 minutes, moisture extraction is the prime objective.
4. Turn handle (A) ccw until the pierce pin (B) is below washer.
5. **Carefully** screw the can (C) onto tap hose (B).
6. Remove low side vacuum service hose and attach tap hose (D) to low-side port. **Note:** For R12 or R22 a/c systems, temporarily install a low side R134a retrofit fitting (CLIPLIGHT part #20125) to the R12/R22 low side port. Make sure coupling is locked in place (pull on hose).
7. Continue to draw vacuum for 1 minute to eliminate air in tap hose.
8. Remove the tap hose (D) from the low side service port.
9. Recharge the a/c system to specifications.
10. Turn on a/c and start engine, make sure compressor is engaging. **Always check system low/high pressures before using Super Seal Premium™.**
11. Stop engine and re-attach hose (D) to the low side service port. Make sure coupling is locked in place (pull on hose).
12. Turn handle (A) cw until it stops.
13. Hold can upside down and above the low side service port and turn handle (A) ccw to charge can. Shake can to allow refrigerant to mix with Super Seal Premium™.
14. Turn handle (A) cw to close the valve.
15. Start engine with the a/c system on, **compressor must be engaged!**
16. Holding the can upside down, turn handle (A) ccw to open valve. Shake can to determine when empty.
17. Remove and dispose of tap hose: **do not reuse.**
18. Run a/c system for at least 20 minutes to allow Super Seal Premium™ to circulate.

## APPLICATION GUIDELINES

These guidelines have been prepared to assist automotive technicians in the application of Cliplight a/c maintenance products for maximum benefit.

**NEVER USE SUPER SEAL PREMIUM™ BEFORE THOROUGHLY CHECKING THE A/C SYSTEM FOR OTHER POTENTIAL MALFUNCTIONS. PLEASE NOTE THAT SUPER SEAL PREMIUM™ WILL NOT SEAL A LEAKING COMPRESSOR SHAFT SEAL.**

- ✓ Charge the system and check the compressor. Clutch engaging on demand? Compressor noisy? Any sign of shaft seal leakage? Any of these symptoms can cause compressor failure at a later date with "come-back" consequences.
- ✓ If replacing the compressor, bench check it thoroughly before mounting. Remove the port caps and hand rotate. No harshness, rough spots or mechanical noise should be evident. If there is, reject it. When adding compressor lubricant, use Cliplight Roc Oil for superior compressor performance.
- ✓ Check for a plugged or partially plugged orifice tube (if fitted) or sticking expansion valve (if fitted). Most orifice tubes are easy to remove and check visually. Any plugging will consist of carbon or wear particles from the compressor, another potential compressor failure indicator!
- ✓ Condenser leak detection should be approached with extra care. The condenser gets hot and is on the high pressure side of the a/c circuit. Leaks that are discovered in the condenser may increase in intensity during operating conditions.
- ✓ "Phantom" leaks that have been isolated as emanating from the evaporator are normally easy to fix using Super Seal Premium™, but be aware of the potential for split evaporator tube(s), which are somewhat rare but can happen. A more positive leak intensity indicator can be obtained using nitrogen to pressurize the system (185 PSIG), checking for pressure gauge "drop-off".
- ✓ Complete all checks and make any necessary mechanical repairs before using Super Seal Premium™.