



HIGHSIDE SYSTEM INJECTOR INSTRUCTIONS

The following steps describe the simplest use of Highside's new economy System injector. However, the System Injector unit can also be used in a number of ways with a two-gauge manifold set. Each illustration is accompanied by detailed written instructions describing procedures. The amount of refrigerant and lubricant used in each system varies. You must refer to product instructions for proper amount to use. CAUTION: Always follow the equipment and product manufacturer's instructions concerning procedures, volumes and quantity when injecting liquids into an operating system.

ALWAYS USE SAFETY GLASSES WHEN USING SYSTEM INJECTOR

FOR USE ON LOW PRESSURE SIDE OF EQUIPMENT ONLY. CONTAINER TESTED TO 250 PSI@ 70°F. DO NOT APPLY MORE THAN 250 PSI TO SYSTEM INJECTOR UNIT. DO NOT USE SYSTEM INJECTOR IF DAMAGED OR DEFORMED IN ANY WAY.

REFRIGERANT USED AS A HIGH PRESSURE SOURCE: (See Back Panel)

STEP - 1. Remove cap from top of the System Injector (end with larger opening). Tighten cap on opposite end (bottom) to provide leak proof seal. Insert spout of liquid material to be injected into the larger hole on top of the System Injector. CAUTION: Do not force spout into hole so that air cannot escape when the liquid material enters the Injector. Squeeze bottle and force liquid material into the System Injector until proper amount shows on scale located on the side of the System Injector. Remove squeeze bottle and proceed to step 2. (See Illustration)

STEP - 2. Using a charging hose, connect the top of the System Injector to a source of refrigerant. Tighten hose fittings to make seal. Turn the System Injector upside down so the bottom is now in the up position and the liquid is in the top of the System Injector. Remove the second cap. Using a second charging hose, connect this end of the System Injector to access valve on low pressure side of compressor. Allow refrigerant to bubble **slowly** through liquid in the System Injector and purge system at access valve on compressor. When system is purged, tighten fitting to make seal at access valve. Proceed to step 3. (See Illustration)

STEP - 3. Invert the System Injector so that the liquid is now in the bottom of the injector and refrigerant enters from refrigerant source at the top of the Injector. Open valve at refrigerant container to apply pressure to system. With system running, very **slowly** crack access valve at compressor and charge liquid into system. CAUTION: You are charging a liquid. You must charge very slowly so that liquid does not slug the compressor. When liquid is all charged, close refrigerant valve at refrigerant container and access valve at compressor. Disassemble hoses. (See Illustrations)

EQUIPMENT USED AS HIGH PRESSURE SOURCE: (See Back Panel)

STEP - 1. Remove threaded cap and fill the System Injector completely with the liquid to be introduced into the system to avoid any trapped air.

STEP - 2. Connect the System Injector as shown in the manifold gauge diagram and purge the lines.

STEP - 3. Open the valves on the manifold gauge very slowly and let the pressure from high side push the liquid into the low side of the system.

RECOMMENDED FOR USE WITH ...

