

Adding Refrigerant to a partially charged BD system

Safety: Wear eye protection and work in a well-ventilated space.

--Inspect the can tap and be sure the piercing point is retracted and that the gasket is present and clean. Screw the can tap onto the refrigerant can. Pierce the can by turning the can tap valve clockwise.

--Hold the can upright and vent the hose to the service connect fitting by opening the can tap valve then pushing on the center post of the fitting with a tool to allow refrigerant to escape from the fitting. Close can tap valve.

--At the compressor remove the blue service port cap and attach the service connect fitting by pulling back on the collar, pushing the fitting on the port and releasing the collar. Check that the fitting is locked on.

--Add refrigerant by opening the tap valve slowly with the can upright. The compressor should be operating. Shake the can as the can empties to determine the amount of refrigerant being added.

-- Add perhaps 2 oz. then observe the operation of the system for several hours before adding more. With the compressor in continuous operation the entire plate will freeze. Maximum charge for an empty system is 6 oz.

--Be sure to cover and baffle the compressor housing when operating the compressor with the cover removed. This is to be sure air is flowing through the condenser.

--To remove the charging hose turn can tap valve clockwise. Pull the collar back on the service connect fitting and remove it. Re-cap the service port. Because the can is pierced it must remain connected to the service hose.

Sea Frost 401-P

