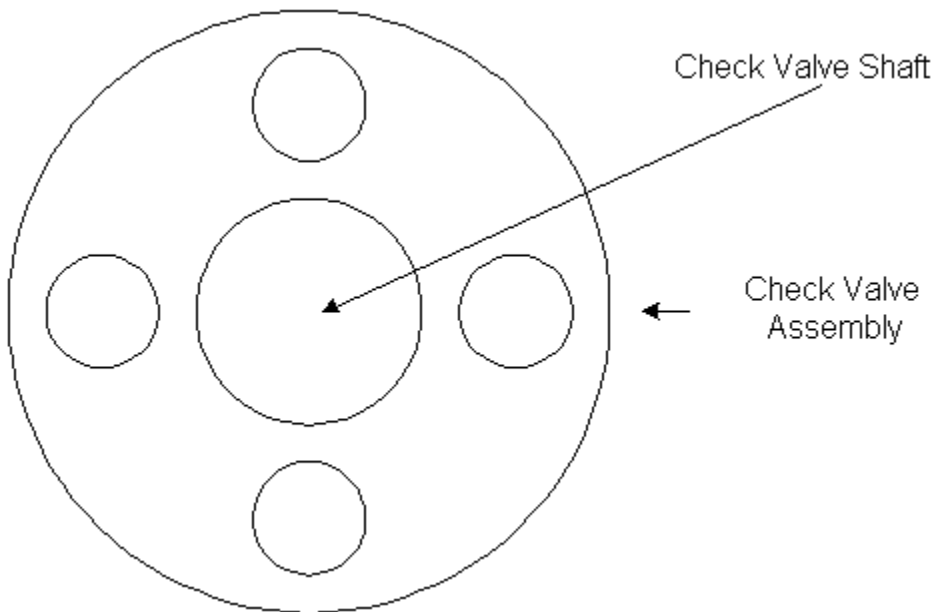


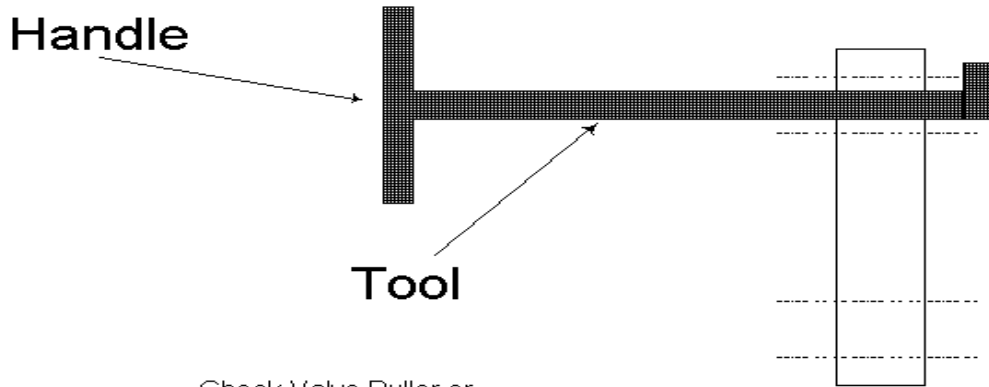
Intermediate Check Valve Rebuild

- (a) Close Suctions Service Valve, Discharge Shut-off Valve and Oil Line Angle Valve.
- (b) Apply 115VAC power to the Load, Unload and Oil Line Master Solenoid Valve(s).
- (c) Reclaim all refrigerant from compressor.
- (d) Remove the M16 capscrews, which retains the discharge flange and the copper line to the compressor. There are 5 screws for the 70-ton compressor and 6 screws for the 85 and 100 ton compressors. Move Discharge Line back approximately 3" to 4" inches and secure to frame with rope.
- (e) Remove the M16 capscrews, which retain the bearing cover plate and the bearing housing. There are 9 screws for the 70-ton compressor and 11 screws for the 85 and 100 ton compressors.
- (f) Discard the old gasket found between the bearing cover plate and bearing housing, and the o-ring under the discharge flange. Set the Belleville springs found in the bearing bores off to the side for later re-assembly. (Note: Belleville Springs only apply to older compressors Design Sequence G, U95K**** and prior. Newer compressors Design Sequence H, U95L**** and on have the bearing nut configuration.)
- (g) Note the locations of the check valve assembly, at discharge port of the compressor. The assembly will look similar to the figure below.



(h)

(i) Remove the Assembly using a Hook Type Tool or similar device (see figure below).



Check Valve Puller or Slide Hammer

(j)

(k) Use a Rubber Mallet and tap the handle of the tool until assembly is removed. Also use the mallet when installing the assembly.

(l) Remove Check Valve Shaft and Check Valve.

(m) Replacing the assembly will be accomplished in the reverse order.

(n) Note: If not enough room can be obtained by just removing the Discharge Line...then the Suction Service Valve will need to be removed, the Hydraulic Lines and the Compressor will need to be moved in order to obtain room.

70, 85 / 100 Ton Check Valve		Parts Ordering	
DESCRIPTION		PART	PART
		85/100 TON	70 TON
1 ea	Washer...Check Valve	WAS00883	WAS00964
1 ea	Seal...Check Valve	SEL00536	SEL00836
1 ea	Shaft...Check Valve	SHF02353	SHF02353
1 ea	Support...Check Valve	SUP03239	SUP04029
1 ea	Nut...M10 @ 38 ft-lbs (nut #460)	NUT00460	NUT00460
**1 ea	Gasket...Suction	GKT00045	GKT00045
**1 ea	O-Ring...Discharge Flange	RNG00006	RNG00956
**1 ea	Gasket...Bearing Cover	GKT02658	GKT02830
1 ea	Retainer...Check Valve	RTR00136	RTR00817

**** For Machines experiencing JUST Key Way problems, these 3 parts are all that will be necessary following these procedures:**

Remove Key (#104).

Remove Burs and Smooth.

Reassemble.

NOTICE: Parts are different for different tonnages.