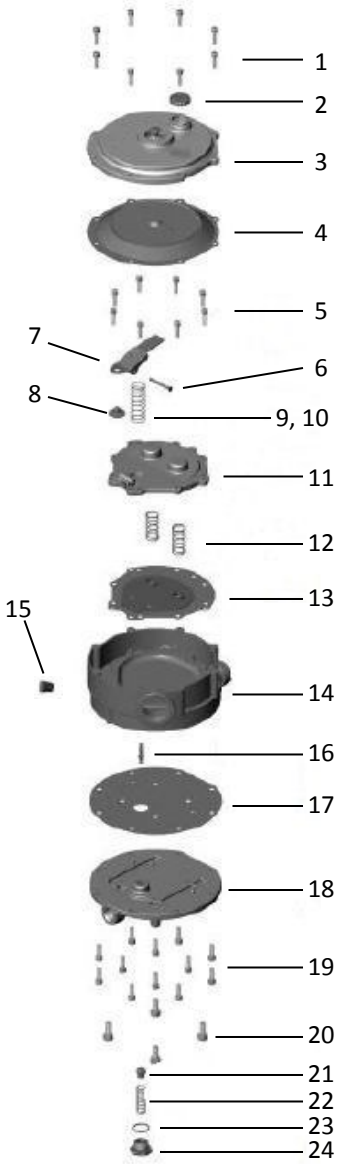

C-RK-H420SA Repair Kit		
ITEM #	**PART #**	**Description**
1	C-S1-59*	Screw, 8-32 x 5/8" SEMS (8) RK-4
2	C-S7-4	Screen, Secondary
3	C-C1-1A	Cover Assy, Secondary
4	C-D1-2A*	Diaphragm Assy, Secondary, Silicone
5	C-S1-59	Screw, 8-32 x 5/8" SEMS (8)
6	C-P1-2	Pin, Secondary Lever Fulcrum
7	C-L1-1	Lever, Secondary
8	C-V1-1A*	Valve, Secondary
9	C-S3-2	Spring, Secondary (Blue)
10	C-S3-3	Spring, Secondary (Orange)
11	C-C1-2	Cover, Primary Diaphragm
12	C-S3-4	Spring, Primary Regulator (2)
13	C-D1-3A*	Diaphragm Assy, Primary
14	C-B1-1A	Body Assembly
15	C-P3-13	Plug, 1/8" Pipe
16	C-P1-3	Pin, Primary Valve Operating
17	C-G1-1*	Gasket, Gas and Water Chamber
18	C-C1-3	Cover, Gas and Water Chamber
19	C-S1-19*	Cover Screw, 10-24 x 5/8" (12) RK-2
20	C-S1-5	Mounting Screw, 1/4"-20 x 5/8" (4)
21	C-V1-2A*	Valve, Primary Regulator
22	C-S3-5	Spring, Valve Closing
23	C-O1-1*	O-Ring, LP-gas Inlet
24	C-P3-2	Plug, LP-gas Inlet
* Item Included in Repair Kit		

C-RK-H420SA

Repair Kit Instructions

The C-H420SA two-stage regulator is an LPG liquid withdrawal high pressure regulator with a heat exchanger that will vaporize enough fuel for up to 400 H.P. engines.

WARNING!

The C-H420SA should be installed and maintained per the instructions and all applicable federal, state, and local laws and codes.

Special notes in regards to NFPA Pamphlet 58

For indoor installations by NFPA definitions, a reg. that is not considered to possess a positive shut-off valve will require installation of an approved automatic shut-off device. This will shut off the fuel supply should the engine fail while unattended. Shut-off devices come in vacuum or solenoid configuration.

OPERATION

With the C-H420SA's improved vaporization characteristics, liquid propane enters the regulator and then is vaporized using heat from the engine's coolant. This is accomplished through the spraying of the fuel against the thin heated walls in the regulator. The diaphragm reacts to the fuel expansion due to vaporization thus filling the expansion chamber and closing the high pressure valve. When engine demand draws fuel from the low pressure side, the high pressure valve opens letting liquid fuel into the high pressure chamber, continuing the vaporization process.

INSTALLATION & SERVICE

The C-H420SA should be mounted as close to the carburetor as possible, with the fuel outlet placed in the lowest position for best flow. The C-H420SA should be periodically checked for leakage past the valve seat. If the unit requires service, we suggest you take it to a qualified service technician.