Kasco

KM-60C & KM-120C Rebuild Instructions

(Refer to exploded view for part descriptions)

1) Remove all external brass fittings and air filter from compressor head. Take a picture or use a permanent marker to mark the head for proper reassembly.

2) Use a Phillips head screwdriver to remove cooling fan cover, exposing piston and cooling fan.

3) Use a 4mm Metric hex key to remove the 4 head bolts, and separate the head from main assembly. This head will separate into 3 pieces; The Head, Valve Plate, and Cylinder. Throw the old Cylinder away.

4) Once the valve plate is separated from the head use a small pointed tool to remove the old cylinder and valve plate o rings.

5) Use the Phillips head screwdriver to remove old Flapper Valves. The keeper strip and screw from each side are reused.

 -Upper Keeper Strip   - Lower Keeper Strip
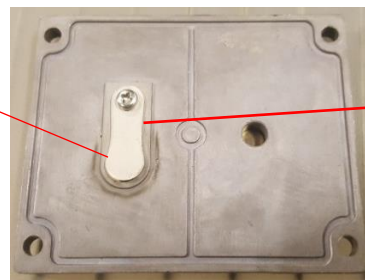
6) Install replacement flapper valves and tighten down so the valve and keeper strip line up.


Note Alignment!

Make sure keeper strip curves away from valve plate

7) Use the Phillips head screwdriver to remove the piston cup retaining plate from the piston head. Throw old piston cup away.

8) Use cup seal retaining plate and new cylinder to install replacement piston cup into cylinder. Making sure cup seal is straight and even in the cylinder. See pictures for proper orientation. Flip sheet for illustrations.
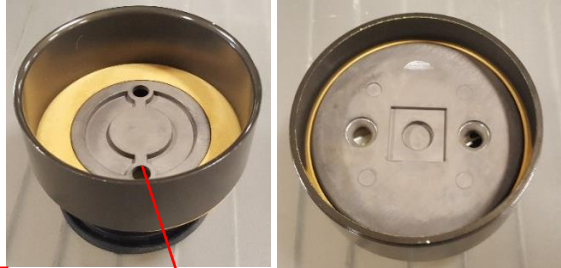
Note: Inverted cup seal and retaining plate

Tip: Place cup seal and retaining plate on air filter element to make cylinder install easier. Filter element is removed from filter assembly.

Push replacement cylinder onto inverted cup

9) Reinstall retaining plate and cylinder on compressor assembly. Apply a small amount of provided threadlocker to threads of retainer screws. Tighten retainer screws to 35 IN. LBS.   (See fig. below)
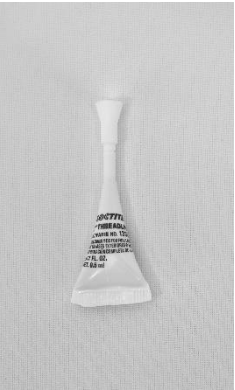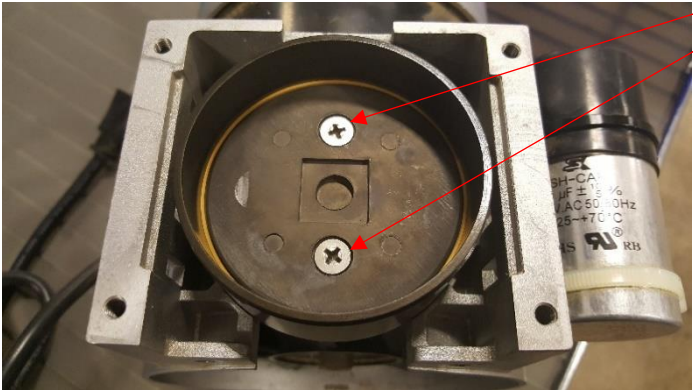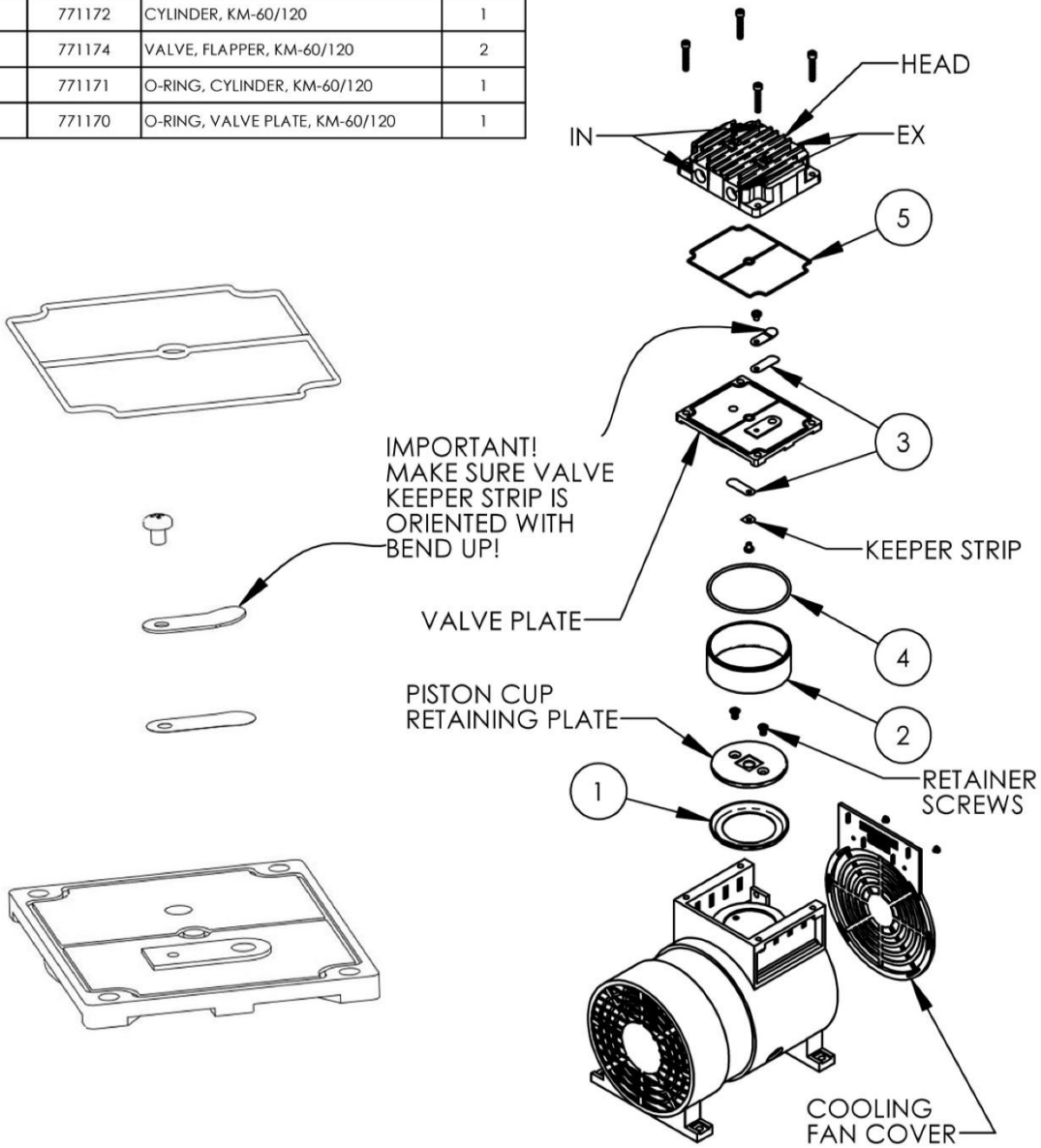

Threadlocker

10) Install replacement cylinder o ring on valve plate and place valve plate onto top of reinstalled cylinder. Verify direction of air flow for proper final head placement.

11) Place valve plate o ring in original position and install compressor head. Tighten bolts down to 50 IN. LBS.

12) Install black cooling fan cover and fittings removed in step 1.

13) Test run unit for 1 minute to verify correct assembly. Make sure there is no excessive vibrations or noises. Replace air filter element if needed.

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	771173	PISTON CUP, KM-60/120	1
2	771172	CYLINDER, KM-60/120	1
3	771174	VALVE, FLAPPER, KM-60/120	2
4	771171	O-RING, CYLINDER, KM-60/120	1
5	771170	O-RING, VALVE PLATE, KM-60/120	1

HEAD

IN

EX

5

IMPORTANT!
MAKE SURE VALVE
KEEPER STRIP IS
ORIENTED WITH
BEND UP!

3

KEEPER STRIP

VALVE PLATE

4

PISTON CUP
RETAINING PLATE

2

RETAINER
SCREWS

1

COOLING
FAN COVER

REV.2 - 12/28/2015

MATERIAL:

FINISH:

Kasco
Marine, Inc.
800 DEERE ROAD
PRESCOTT, WI 54021-1241

TITLE:
COMPRESSOR REBUILD KIT
TEICH-AIRE: KM-60(H)C

SCALE: 1:5 | SHEET 1 OF 1

771180

INSTRUCTION #: 771185

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	771173	PISTON CUP, KM-60/120	2
2	771172	CYLINDER, KM-60/120	2
3	771171	O-RING, CYLINDER, KM-60/120	2
4	771174	VALVE, FLAPPER, KM-60/120	4
5	771170	O-RING, VALVE PLATE, KM-60/120	2

IN

EX

HEAD

5

4

IMPORTANT!
MAKE SURE VALVE
KEEPER STRIP IS
ORIENTED WITH
BEND UP!

VALVE PLATE

KEEPER STRIP

3

2

1

RETAINER SCREWS

PISTON CUP
RETAINER PLATE

COOLING FAN
COVER

REV.2 - 12/28/2015

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
DIMENSIONS IN [ ] ARE MILLIMETERS.
TOLERANCES ON:
.X ± .02 [.508] .XX ± .010 [.254]
.XXX ± .005 [.127] ANGULAR ± 0.5°

MATERIAL:

FINISH:

Kasco
Marine, Inc.
800 DEERE ROAD
PRESCOTT, WI 54021-1241

TITLE:
COMPRESSOR REBUILD KIT
TEICH-AIRE: KM-120(H)C

SCALE: 1:5   SHEET 1 OF 1

771181

INSTRUCTION #: 771185