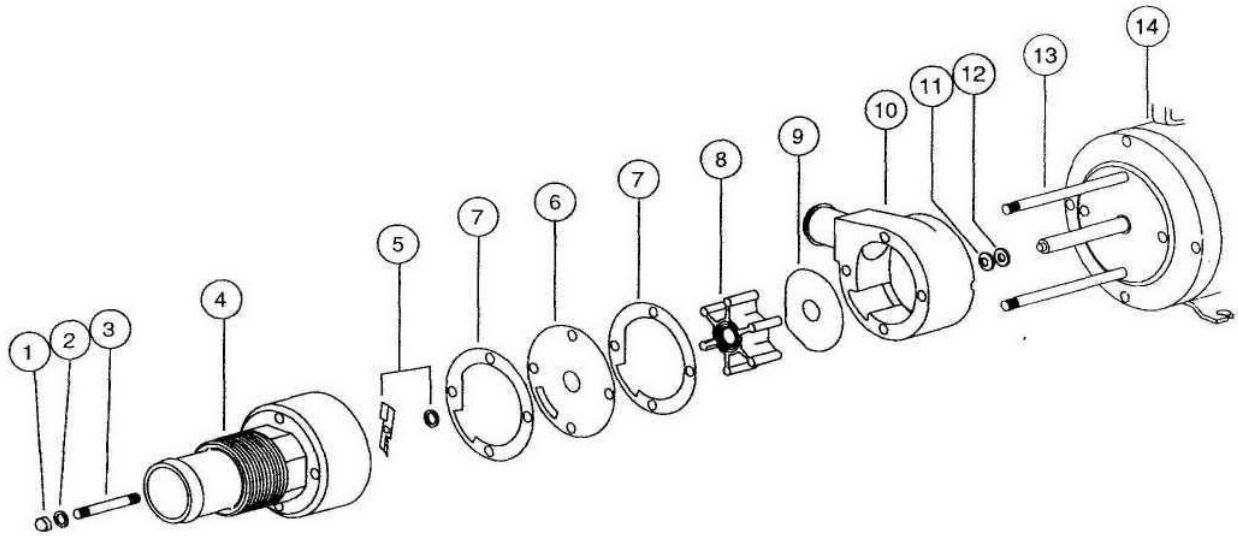


Macerator Pump Assembly

EXPLODED VIEW



PARTS LIST

Key	Description	Qty. Req.
1	Acorn Nut	4
2	Fiber Washer	4
3	Stud	2
4	Macerator Housing	1
5	Chopper Plate with Locknut	1
6	Wearplate, Large	1
7	Gaskets (2 ea per kit)	1
8	Impeller	1
9	Wearplate, Small	1
10	Body	1
11	Seal	1
12	Slinger	1
13	Stud	2
14	Motor Sub-Assembly-12 volt	1
	Motor Sub-Assembly-24 volt	1
	Motor Sub-Assembly-32 volt	1
	Service Kit	1

DISASSEMBLY

Remove the four acorn nuts (Key 1) and fiber washers (Key 2) from the pump studs (Key 3). Slide the macerator housing (Key 4) off the studs. Insert a thin bladed 9/32" (7 mm) ignition wrench behind the three pronged chopper (Key 5) and onto the flat of the motor shaft to prevent it from turning. Position a screwdriver between the prongs of the chopper and unscrew it (counter-clockwise) and remove it with its lock washer from the motor shaft. Remove the pump wearplate (Key 6) and two paper gaskets (Key 7). Now slide the pump body (Key 10) with impeller (Key 8), small wearplate (Key 9), two studs and shaft seal as an assembly off the motor shaft and remaining two mounting studs. Remove the starlock retaining washer on the seal and push the seal out of the seal bore.

If reconditioning pump with a service kit (Part No. 18598-1000), it is not necessary to remove the seal because the new seal is pre-installed in the new body. It is also generally not necessary to remove the slinger or brass studs screwed into the motor end bell.

ASSEMBLY

If installing a new seal, push it into the seal bore of the body with the lip pointing toward the impeller bore. Press the starlock washer into the seal bore with the concave side up to secure the seal in the bore. Install the two shorter studs in the two holes with threaded inserts in the new pump body and tighten finger tight. If required, screw the two longer studs into the tapped holes in the motor end bell. Slide the new pump body with the shaft seal installed onto the motor shaft and two long mounting studs in the motor. Slide the small wearplate over the motor shaft and position it in the bottom of the impeller bore. Slide the new impeller onto the motor shaft and, with a counter-clockwise motion, push it into the pump impeller bore. Position one new gasket on the studs and against the pump body assuring the cut-out aligns with the inlet groove in the body. Position the large wearplate and second gasket on the studs and against the body again aligning the hole in the wearplate and gasket cut-out with the pump inlet. Position the chopper lockwasher on the end of the motor shaft and screw the chopper on the shaft threads. Hold the shaft with the ignition wrench and tighten the chopper firmly by inserting a screwdriver blade between the chopper prongs. Position the macerator housing on the four studs ensuring the cut-out in the inner wall aligns with pump body inlet port and hole in the wearplate. Position a new fiber washer on each of the studs and secure the macerator housing in place with the four acorn nuts.