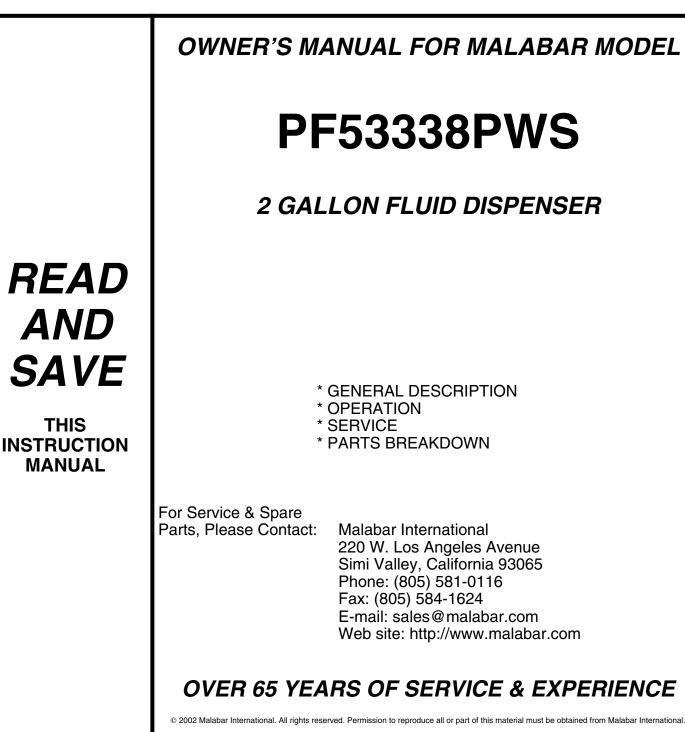
MALABAR

INTERNATIONAL

AIRCRAFT MAINTENANCE & SUPPORT EQUIPMENT



GENERAL DESCRIPTION, OPERATION, SERVICE AND PARTS BREAKDOWN

MALABAR MODEL PF53338PWS 2 GALLON FLUID DISPENSER

CAUTION: AIRCRAFT MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS MUST BE FOLLOWED. IN THE EVENT OF CONTRADICTION BETWEEN AIRCRAFT MANUFACTURER'S SPECIFICATIONS AND MALABAR'S, AIRCRAFT MANUFACTURER'S WILL PREVAIL.

SPECIFICATIONS:

Fluid	TURBINE OIL	
Reservoir capacity	2 U.S. gal	7.6 liters
Pump outlet pressure		689 kPa
Volume per stroke	2.5 cubic in	41 cc
Relief valve setting	125 ± 10 psig	862 ± 69 kPa
Hose length		2134 mm
Net weight (empty)		5.4 kg
Filter rating		
Fluid tank color	green	

GENERAL DESCRIPTION:

The Malabar Model PF53338PWS is a 2 gallon fluid dispenser used to service various commercial aircraft. The hand pump dispenser consists of a reservoir, pump assembly, relief valve, water stop filter assembly, and a fluid delivery hose with an elbow assembly.

PREPARATION FOR USE:

The unit is shipped fully assembled. Fill reservoir at fillport with approved fluid. Operate hand pump assembly a few strokes to bleed all air out of the system. The unit is now ready for use.

OPERATION:

1. Remove dust plug from elbow assembly and connect the elbow assembly to the aircraft service point.

2. Use full steady pumping strokes when operating pump assembly during replenishing.

3. Disconnect the elbow assembly from the aircraft service point, replace the dust plug and store the unit in a dry, dust free location.

ILLUSTRATED PARTS LIST:

Refer to figure 1A & 1B for unit assembly (see sheets 3 & 4), figure 2 for pump assembly (see sheet 5) or figure 3 for filter assembly (see sheet 6).

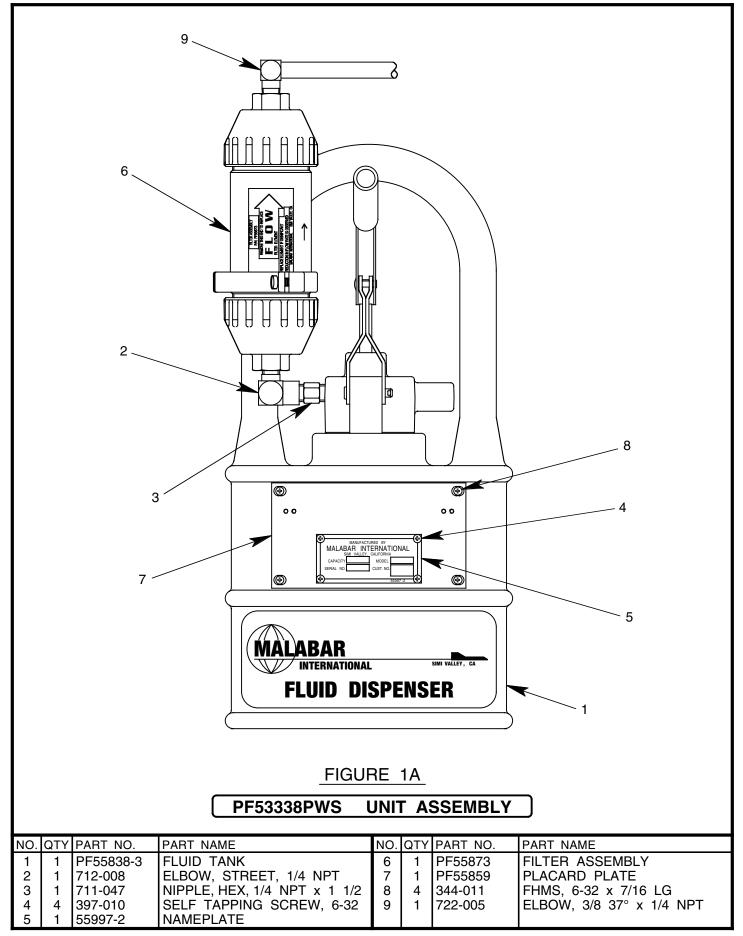
SERVICING:

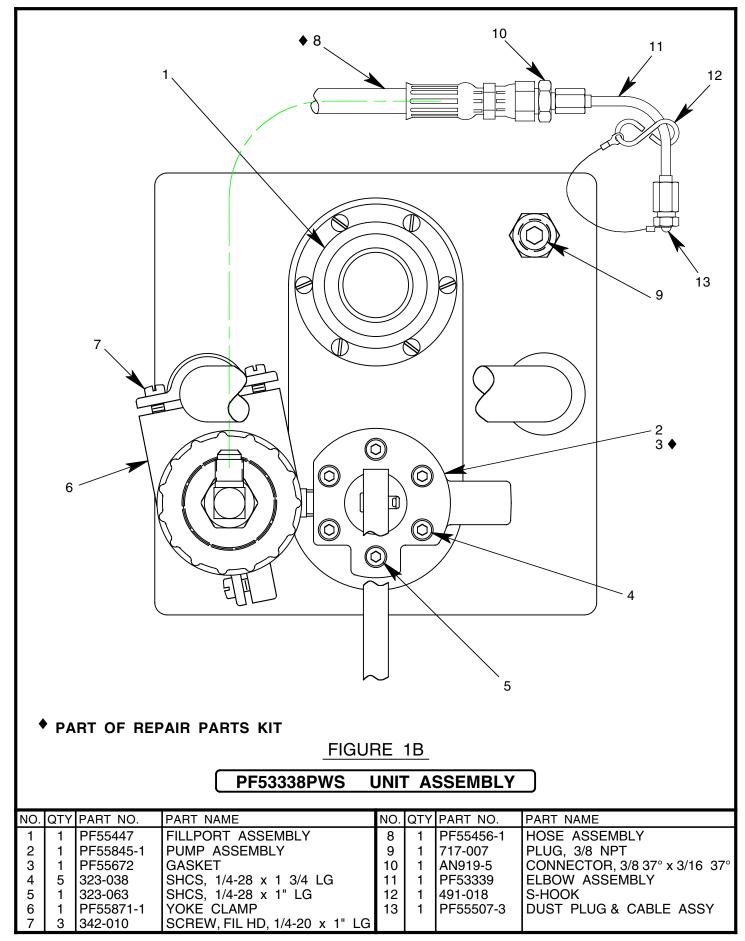
1. The frequency of filter change depends on operating conditions. Generally, changes should be made every 3-4 months or sooner if more than normal resistance is felt on the pumping stroke at low pressure. Refer to item 10 in figure 3 (see sheet 6) to change element. Proper element must be installed, otherwise unit will not pump fluid.

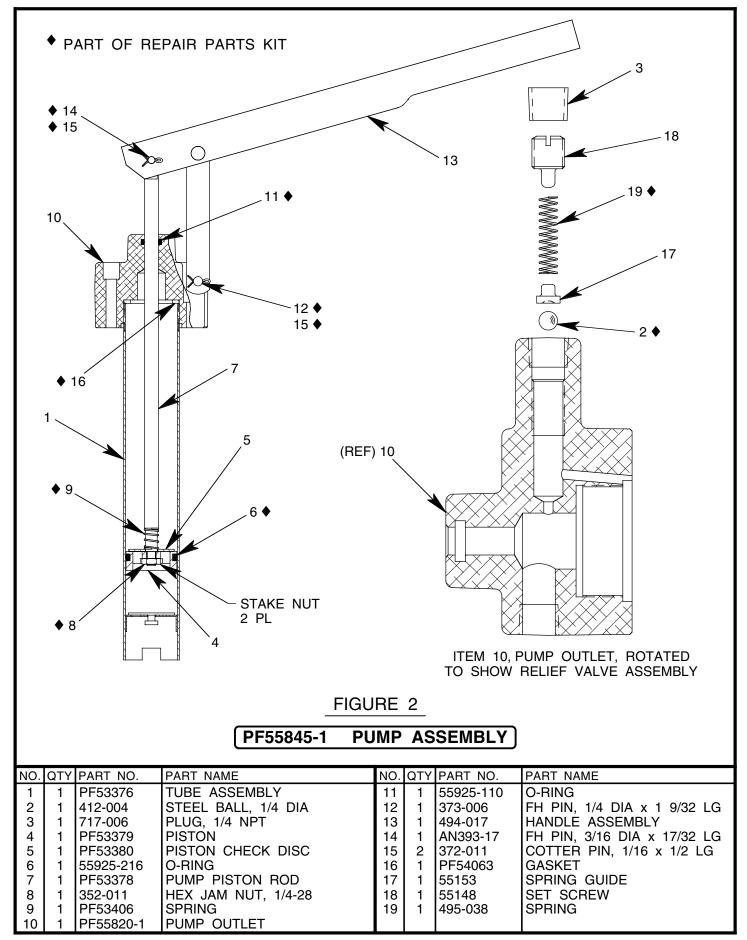
2. <u>NOTE:</u> The relief valve should not be removed. The relief valve is set to by-pass oil back to the reservoir at 125 ± 10 PSIG.

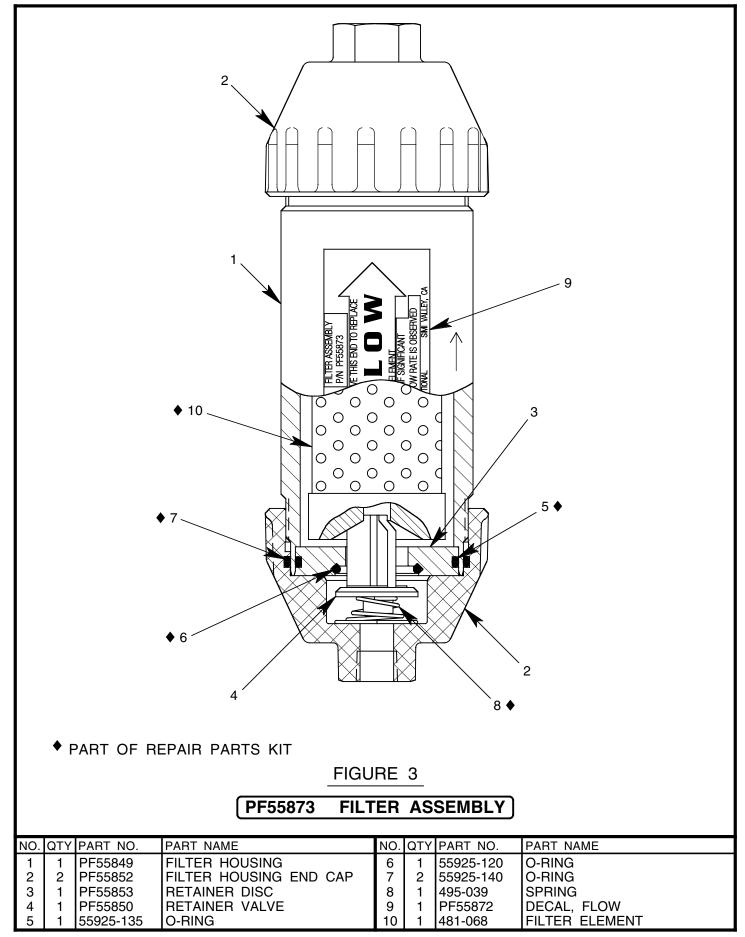
REPAIR AND REPLACEMENT:

No definite time schedule can be established for the overhaul of the pump assembly for the replacement of the various moving parts. The number of times the pump assembly is operated materially affect the life of the working parts. The moving piston seal (item 6) and rod seal (item 11) are normally the first to wear (see sheet 5). This is usually indicated by leakage of fluid past the piston or rod. It is advisable to change piston seal (item 6), rod seal (item 11) and gasket (item 16) immediately if leakage is discovered. A repair parts kit (P/N PF2-41PK) is available and recommended to keep on hand at your facility. Refer to sheet 7 for the complete list of parts contained in the repair parts kit.









PF2-41PK REPAIR PARTS KIT				
	PART NO.	PART NAME		
1 1 1 1 2 1 1 1 1	PART NO. PF55456-1 55925-216 55925-110 PF53406 373-006 372-011 AN393-17 PF54063 495-038 412-004 55925-135 55925-120 55925-140 495-039 481-068 352-011 PF55672 PF2-41PKDOC	PART NAME HOSE ASSEMBLY O-RING SPRING FLAT HEAD PIN, 1/4 DIA x 1 9/32 LG COTTER PIN, 1/16 x 1/2 LG FLAT HEAD PIN, 3/16 DIA x 17/32 LG GASKET SPRING STEEL BALL, 1/4 DIA O-RING O-RING O-RING SPRING FILTER ELEMENT HEX JAM NUT, 1/4-28 GASKET REPAIR PARTS KIT LIST		