

MULTI-PURPOSE DRUM PUMP



INSTRUCTION MANUAL MODELS A2 and A2H

Introduction

Thank you for purchasing either a Macnaught model A2 or A2H Multi-Purpose Drum Pump.

Model A2H is supplied complete with hose assembly and nozzle.

Important Information

Please read and retain this instruction sheet to assist you in the maintenance of this quality product.

Product Description

The A2 and A2H Multi Purpose transfer pump is a high quality transfer pump designed to pump diesel fuel, lubricating oils (up to SAE 90) and a wide range of non-corrosive fluids. Simply by replacing the suction tube 'O'ring with one of the other O'rings supplied with the pump you will be able to pump a wide range of solvents and chemicals. (Refer to the compatibility chart for the correct "O'ring selection).

Product Features

- * Fits 60-205 litre drums.
- * Convenient bung opener cast on the pump head.
- * Pumps 250 ml/stroke (approx).
- * Pumps most liquids up to SAE90 viscosity.
- * Nickel chrome plated pump rod and deep packing for smooth action and long life.
- * 19mm hose can be fitted.
- * Self cleaning valves help prevent blockages.
- * Brass piston rings for efficient pumping.

Handy bung-opener on pump head.

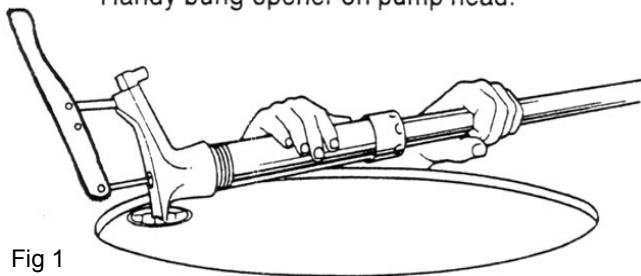


Fig 1

Note: Models A2 and A2H are supplied with various seals to suit a wide variety of chemicals and solvents. If you require replacement seals order service kit A2-1K.



Model A2H

Select pivot pin position and fit handle to pump using pins and self-locking rings provided.

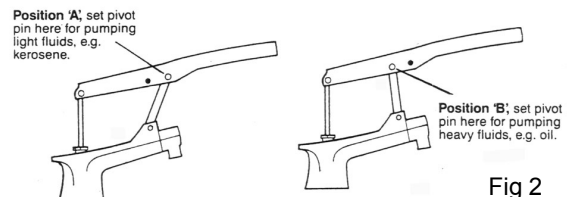
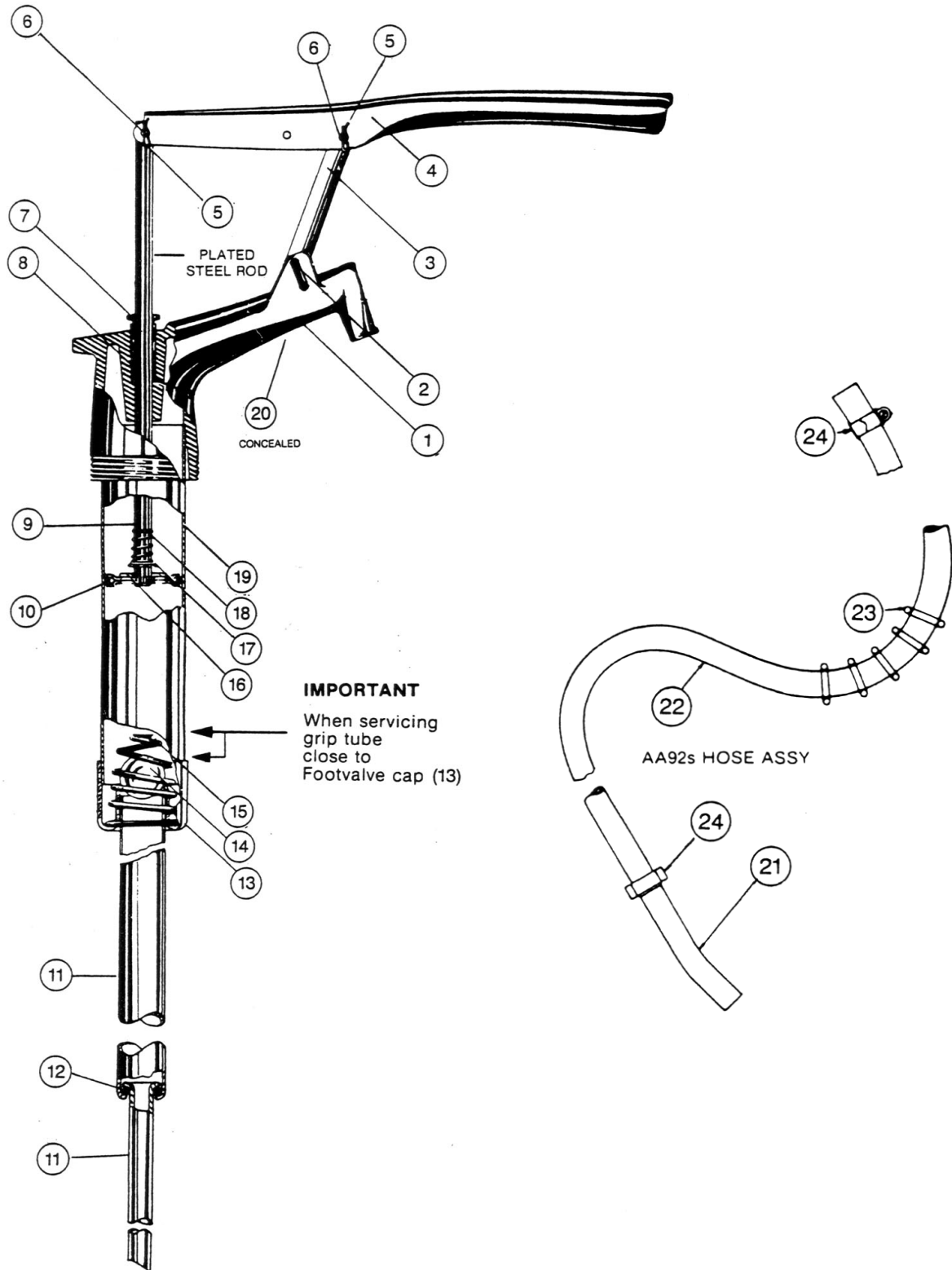


Fig 2

Troubleshooting Guide

TROUBLE	CAUSE	REMEDY
Hard to pump	a) Gland nut is screwed down too tightly	Adjust Gland nut
	b) handle is positioned on the wrong setting for heavy oils	Adjust Handle position refer fig 2
	c) Bent piston rod	Replace piston & piston assembly
Pump fails to prime	a) Footvalve ball is not seating	Remove the footvalve assembly from the pump, clean & reseat the footvalve ball. Using sealant, reassemble the footvalve assembly to the pump
	b) Piston valve is damaged & is not seating	Replace the Piston & Piston assembly

Spare Part Diagram



Spare Part Listing

ITEM	DESCRIPTION	QTY	OVERHAUL KIT	SPARE PARTS KIT
1	BODY	1		AA1S
2	HOSE HANGER PIVOT	1		AA2S
3	HANDLE LINK	1		AA2S
4	HANDLE	1		AA2S
5	PIVOT PIN RETAINER	2	A2-1K	
6	PIVOT PIN	2	A2-1K	
7	GLAND NUT	1	A2-1K	AA1S
8	GLAND PACKING	1	A2-1K	AA1S
9	PISTON & PISTON ROD ASSEMBLY	1		AA15S
10	PISTON RINGS	2	A2-1K	AA15S
11	TELESCOPIC TUBE ASSEMBLY	1		AA35S
12	O-RING	1	A2-1K	
13	FOOTVALVE CAP	1		AA20S
14	7/8" STEEL BALL	1		AA20S
15	FOOTVALVE RETAINER	1		AA20S
16	VALVE PLATE	1	A2-1K	
17	RETAINER CLIP	1	A2-1K	
18	TOP STOP SPRING	1	A2-1K	
19	PUMP TUBE	1		AA17S
20	RATCHET PLATE	1		AA16S
21	NOZZLE OUTLET	1		AA92S
22	HOSE HANGER PIVOT	1		AA92S
23	HOSE SPRING	1		AA92S
24	HOSE CLAMP SET	2		AA92S

O-Ring Compatibility Chart

O-Ring change over for compatibility of various liquids

Liquid	O-ring			Liquid	O-ring		
	Black	Brown	Red		Black	Brown	Red
ACETONE			X	GLYCERIN	X	X	X
AMYL ALCOHOL			X	GLYCOLS	X	X	X
BENZENE		X		HYDRAULIC OIL (MINERAL)	X	X	
BENZYL ALCOHOL		X		ISOBUTYL ALCOHOL		X	X
BUNKER OIL	X	X		ISO-OCTANE	X	X	
BUTYL ALCOHOL	X	X		ISOPROPYL ALCOHOL		X	X
CASTOR OIL	X	X		KEROSENE	X	X	
CREOSOTE		X		LINSEED OIL	X	X	
CRESOL		X		LUBRICATING OIL (MINERAL)	X	X	
CYCLOHEXANE	X	X		METHYL ALCOHOL	X		X
CYCLOHEXANOL		X		METHYLBUTYL KETONE			X
CYCLOHEXANONE			X	METHYL ETHYL KETONE (MEK)			X
DENATURED ALCOHOL	X	X	X	METHYL ISOBUTYL KETONE			X
DETERGENT	X	X	X	MINERAL OIL	X	X	
DEVELOPING FLUID	X	X		MONOCHLOROBENZENE		X	
DIESEL OIL	X	X		OCTYL ALCOHOL		X	X
DIETHYL BENZENE		X		PAINT THINNER (DUCO)		X	
DIETHYLENE GLYCOL	X	X	X	PETROL	X	X	
DI-ISOBUTYLENE		X		PHENOL		X	
DI-ISOPROPYL BENZENE		X		PROPYL ALCOHOL	X	X	X
DI-ISOPROPYL KETONE			X	SILICONE OILS	X	X	X
DIOCTYL PHTHALATE		X	X	SOAP SOLUTIONS	X	X	X
DRY CLEANING FLUID		X		TERTIARY BUTYL ALCOHOL		X	
ETHYL ALCOHOL		X	X	TOLUENE		X	
ETHYL BEZENE		X		TRANSFORMER OIL	X	X	
ETHYLENE GLYCOL	X	X	X	TRANSMISSION FLUID	X	X	
FLUOROBENZENE		X		TRICHLOROETHANE		X	
FLUOROCARBON OILS			X	TRICHLOROETHYLENE		X	
FLUORINATED CYCLIC ETHERS			X	TURBINE OIL		X	
FUEL OIL	X	X	X	TURPENTINE	X	X	



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