

Includes models

A2-01

A2-51

MULTI-PURPOSE DRUM PUMP

INSTRUCTION MANUAL Model A2



Introduction

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

This pump 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 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 non-corrosive liquids up to SAE90 viscosity.
- * Nickel chrome plated pump rod and Teflon gland packing for smooth action and long life.
- * 19mm hose can be fitted.
- * Self cleaning valves help prevent blockages.
- * Brass piston rings for efficient pumping.



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

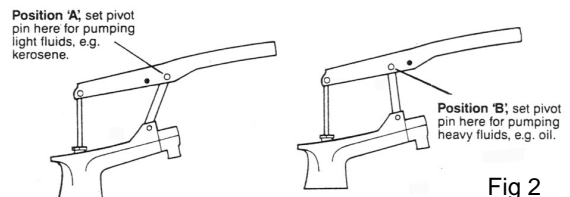


Fig 2

Handy bung-opener on pump head.

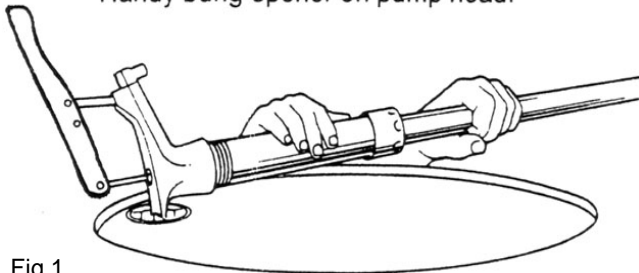


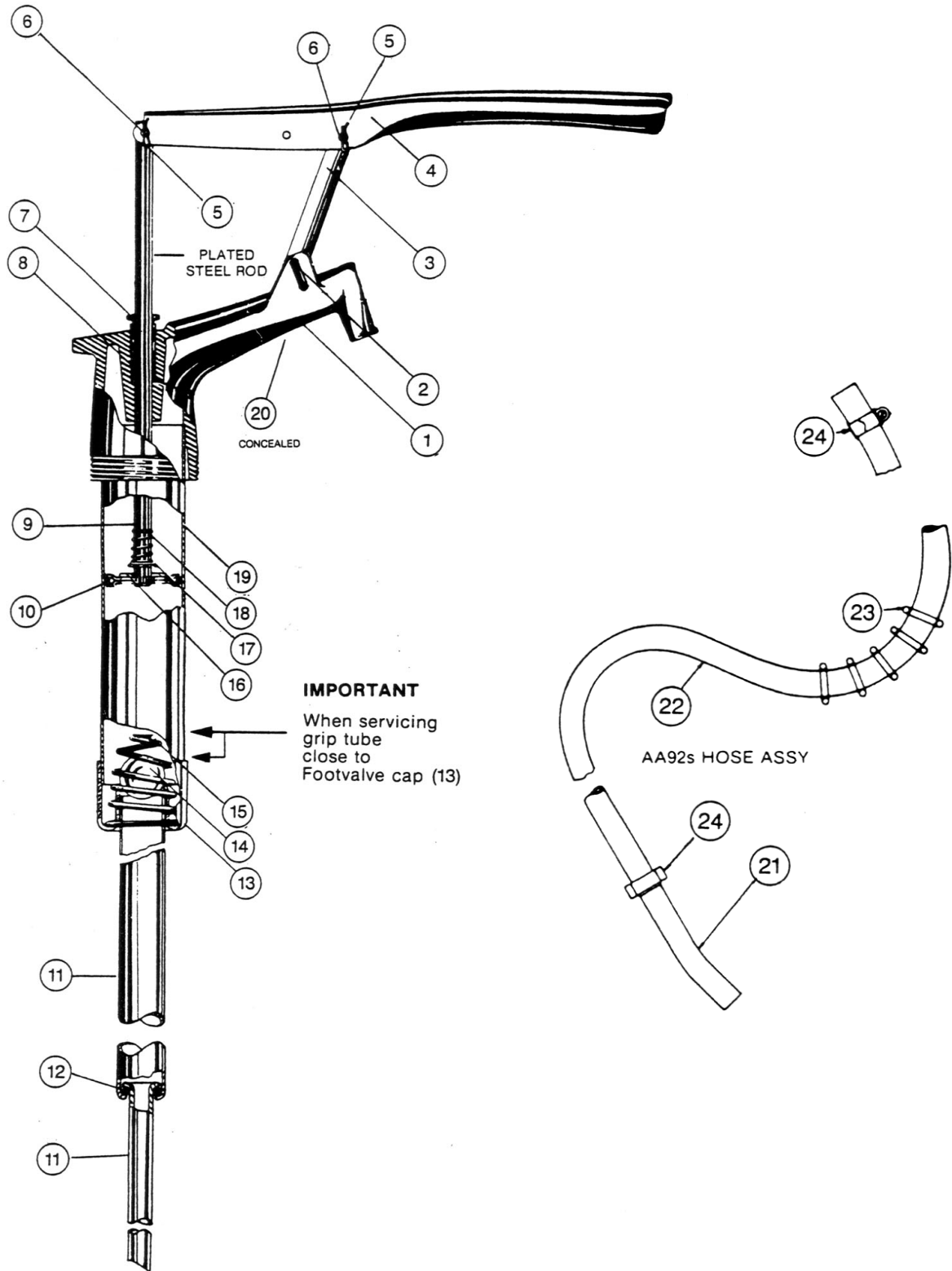
Fig 1

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

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 rod & 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 rod & piston assembly

Spare Part Diagram



Spare Part Listing

		Order for replacement		
Item	No off	Part / Set	Kit ref	Description
		A2-1K (Kit A)		Seal Kit
1	1	n/a (new pump req'd)		Body
2	1			Hose hanger pivot
3	1			Handle link
4	1	AA7s (incl item 3)		Handle
5	2		A	Pin retainer
6	2		A	Pivot pin
7	1		A	Gland nut
8	1		A	Gland packing
9	1			Piston & piston rod assy
10	2		A	Piston rings
11	1	AA35s incl BS113		Telescopic tube assy
12	1		A	O'ring (BS113)
13	1	n/a (new pump req'd)		Footvalve cap
14	1		A	7/8" Steel ball
15	1		A	Footvalve retainer
16	1		A	Valve plate
17	1		A	Retainer clip
18	1		A	Top stop spring
19	1	n/a (new pump req'd)		Pump tube
20	1		A	Ratchet plate
21	1			Nozzle outlet
22	1	AA92s		Hose hanger pivot
23	1			Hose spring
24	2			Hose clamp set

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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