



Operations Manual

Demon Maxi-Bowser Range

Tornado P2 Maxi Bowser

Tornado P4 Maxi Bowser

Tornado D1 L70 Maxi Bowser

Including electric start variants and bowser washers

**Declaration of Conformity
(E.H.S.R.)**

We, Demon International Limited of Abbots Close, Lee Mill Industrial Estate, Ivybridge, Devon, PL21 9GA, declare that this machine must be operated in accordance with the operation and safety instructions as supplied with this machine.

This machine is manufactured in accordance with the following standards and recommendations.

HSE PVB PM29 - BS5415 Part - BS5415 Section 2.4 1986

This instruction manual is relevant only to the following machine and will not be kept updated unless specifically requested by the customer. However, any changes to the operating procedure or changes which might affect the safety of this machine will be notified to the registered owner

Machine Type	
Serial Number	
Working Pressure	
Date of Supply	

Manual Contents

Page 3	Technical Specifications
Page 5	Preparation & Operation
Page 10	Fault Finder
Page 12	General Arrangement of Machines
Page 13	Machine Wiring
Page 16	Machine Pumps
Page 20	Machine Unloaders
Page 22	Machine Gearboxes
Page 26	Machine Lance & Hoses

Technical Specifications

Tornado P2 Maxi Bowser

Engine	Honda/Loncin
Pump	XT13-15
Pressure	2200 PSI
Flow	13 lpm
Nozzle	2504
Gearbox	1694 ARCRXT
Unloader	ARGM 3A ID
Pump Oil	10W/40
Gearbox Oil	EP90

Tornado P4 Maxi Bowser

Engine	Honda/Loncin
Pump	RK15-20H
Pressure	2900 PSI
Flow	15 lpm
Nozzle	2504
Gearbox	1690 ARCXR
Unloader	ARGM 3A ID
Pump Oil	10W/40
Gearbox Oil	EP90

Tornado D1 Maxi Bowser

Engine	Yanmar L70
Pump	XT13-15
Pressure	2200 PSI
Flow	13 lpm
Nozzle	2504
Gearbox	ARCRXU
Unloader	ARGM 3A ID
Pump Oil	10W/40
Gearbox Oil	EP90

WE RECOMMEND ONLY USING A 15 MTR HOSE WITH THE P2 Maxi BOWSER

Important—New P2 Machines

Each new P2 machine will be set at 2000psi as opposed to 2200psi until the machine has been run for approx 2-3 hours continuously. Once the machine has been run then the pressure can be adjusted to achieve the maximum 2200psi by turning the pressure

Kits for the Tornado Maxi Bowser Range

Machine	P2	P4	D1 L70	D1 L100
Valve Kit	1864	1828	1864	1828
Seal Kit	1874	1857	1874	1857
Piston Kit	2629	2757	2629	2629
Oil Kit	1872	1855	1872	1855
Support Ring Kit		1829		1829
O Rings	2611	2611	2611	2611

Minimum Service Schedules

DAILY CHECK THE FOLLOWING

- a. Oil level - top up as required.
- b. Fuel tank - top up as required.
- c. All hose unions for leaks- replace O rings if leaking.
- d. Hose condition - cuts etc.

EVERY 500 HOURS OR SIX MONTHS (WHICHEVER COMES FIRST)

- a. Drain and replace pump oil.
- b. Drain and refill fuel tank.
- c. Replace fuel filter.
- d. Clean water filter.
- e. Replace high pressure nozzle.

EVERY 1000 HOURS OR 12 MONTHS (WHICHEVER COMES FIRST)

- a. Complete 500 hour service.
- b. Replace pump seals.
- c. Replace oil seals.
- d. Check unloading pressure and safety valve pressure and adjust.

The above service schedules are intended as a guide only, actual service times and replacements parts required will vary according to the area and the usage of the machine.

Operating Instructions

SAFETY

- I Water at high pressure is dangerous and can cause serious injury. This machine should be used with great caution.
- II Petrol is extremely flammable and explosive under certain conditions.

EXHAUST FUMES CONTAIN CARBON MONOXIDE – Inhalation of such fumes can KILL.
- III Diesel is flammable and harmful if swallowed.
- A Always refuel in an area which is adequately ventilated.
- B DO NOT smoke when refuelling.
- C Avoid overfilling.
- D Should fuel be spilt, wipe off any fuel spilt on machine or engine.
- E Move the equipment away from the area where fuel has been spilt.
- F DO NOT refuel when the engine is running.
- G DO NOT run the engine in an area which has a hazardous or explosive atmosphere.
- H Always ensure that the fuel cap is secure after refuelling.
- I Keep the engine at least 3 metres or more away from any other equipment or Building.
- J Take care not to get fuel on your clothing. If this happens – CHANGE your clothing IMMEDIATELY.
DO NOT start an engine when clothing has been contaminated with fuel.
- K Use only approved type containers for fuel. DO NOT stand them out in strong sunlight, keep them in the shade.
- L ALWAYS ensure that there is a suitable type fire extinguisher available and is within easy access.
- M DO NOT leave an engine running unattended, ALWAYS STOP it before leaving the area.
- N NEVER point the high pressure spray jet at any person, animal, glass or other material which may shatter.
- O PREVENT any over spray from injuring other people or damaging property.

- P DO NOT even try to use a pressure washer on machinery or electrical equipment that is connected in any way to the mains supply (ALL switches in the OFF position, pull out plugs, if possible remove fuses). Cover or seal electric motors and fittings to prevent entry of water. Before reconnecting electric mains supply check for water penetration.
- Q DO ALL you can to keep plugs and sockets in a dry place or covered to prevent entry of water.
- R ALWAYS when using this machine:-
- wear safety goggles and helmet or a helmet with a visor.
 - Wear waterproof clothing and gloves.
 - Take particular care with detergents and chemicals.
- S NEVER attempt to disconnect any hose with pressure in it or allow the hose to be flattened or kinked.
- T DO NOT use a high pressure hose from a ladder. Use a platform tower or proper scaffolding.
- U Should the equipment fail to operate, DO NOT attempt to rectify or repair, but contact the nearest Service Centre for advice.
- V ALWAYS rinse your pump out after using sea water.

Preparation

Water Supply:

- A Ensure there is an adequate water supply either from the mains or a reservoir.
- B Attach water supply hoses to suitable tap or immerse the suction hose with approved suction filter into the reservoir.

NOTE: ONLY CLEAN WATER SHOULD BE USED. THE PUMP MAY BE DAMAGED IF DIRTY OR CONTAMINATED WATER IS ALLOWED TO PASS THROUGH THE PUMP.

Hoses: Low pressure inlet.

For models up to 13 litres per minute use ½ " bore suction hose or feed pipe.
For models from 13 litres to 24 litres per minute use ¾" bore suction hose or feed pipe.

Hoses: High pressure outlet.

For all models use 3/8" RIT or 3/8" R2T hoses.

- A Check the condition of the "O" rings in the ends of the hose.
- B Attach the high pressure hose to the pump connection.
- C Attach the spray gun to opposite ends of the high pressure hose.

OPERATION

- A Turn on the water supply.
- B Start the engine
- C Direct lance on to surface to be cleaned. Press the lance trigger.
- D Leaving the pressure washer on by-pass for prolonged periods without operating the lance
Will cause the water in the pump to heat up. This heat build up may damage the seals and Valves in the pump.

When using Cleaning Agents:

- A. Set machine up as for water.
- B. Connect detergent hose to machine and place filter end into detergent.
- C. On completion of work, flush through hose and gun with clean water to remove any residual detergent.

NOTE: CHEMICAL PICKUP ONLY OPERATES AT PRESSURES BELOW 250PSI.
OPEN LANCE VALVE FULLY TO OBTAIN THIS PRESSURE



Step by Step Guide to...

Operating a Maxi-Bowser

1

OIL

Check gear box oil and replenish as required



OIL

Check pump oil and replenish as required

2

3

OIL

Check engine oil and replenish as required



Fuel

Check fuel and replenish as required

4

5

TANK

Check filter inside water tank is not block, clean as required



TANK

Fill the tank with water

6

7

HOSE

Attach the trigger to the high pressure hose



TURN ON

Turn engine switch to 'on' position

8

9

TURN ON

Turn fuel to 'on' position



TURN ON

If this is the first use of the day then turn the choke to the 'on' position

10



Step by Step Guide to...

Operating a Maxi-Bowser

11

RECOIL

Pull the recoil to start



CHOKE

Once the machine is running gently turn the choke to the 'off' position

12

13

TURN OFF

To switch off turn the engine button to the 'off' position



HOSE

Release any pressure in the hose by squeezing the trigger & disconnect from the machine

14

Model	Max Operating Pressure	Operating Range
P2	2200 PSI	1500 - 2200 PSI
P4	2900 PSI	2200 - 2900 PSI

IMPORTANT - P2 Machines

Each new P2 machine will be set at 2000 PSI as opposed to 2200 PSI until the machine has been run for approx 2 to 3 hours continuously. Once the machine has been run the pressure can be adjusted to achieve the maximum 2200 PSI by turning the pressure regulating valve until it is fully open.

Fault Finder

FAULT	CAUSE	REMEDY
Machine stops suddenly Or will not start.	Low oil Out of gas (LPG) Flat Battery (Electron)	Check and top up oil Change gas bottle Re-charge
Sudden pressure loss.	Water supply failed. No chemical	Check water supply. Check chemical drum, close valve
Low pressure	HP nozzle worn or unloader set Incorrectly.	Replace HP nozzle. Set unloader to correct setting.
Low pressure with noise and vibration.	Valves worn or blocked. Piston seals worn. Pump sucking air.	Clean/replace as required. Replace. Check water supply pipe and unions.
Pump will not by-pass.	Non return valve dirty or jammed.	Clean or replace.
Water drips from pump box.	Pump seals worn.	Replace.
Oil drips from pump bottom.	Oil seal worn.	Replace.
Oil is milky in colour.	Water ingress through oil filter plug.	Rinse pump out and replace oil.
IF IN DOUBT ASK—OUR ADVICE IS FREE AND CAN SAVE YOU MONEY		

I can't get the pressure to where it used to be — where do I start?



Well by now you should know to check the nozzle - assuming that is correct and you still have no or low pressure the golden rule is to connect the pump to the mains water supply - whichever machine you are testing start with a good mains feed.

1. With the gun and lance connected turn the tap on - can you see a leak? If so there is your problem, if water can leak out air can get in and the pump won't produce pressure - simple as that. (Leaks from underneath the pump are either worn seals or a cracked piston - strip to find out which.)

Remedy: Fix leak or replace seals or piston.

2. Check enough flow of water can get into the pump. Make sure all the filters are clean. The new Tempest hot water machines have a fine filter which will remove most solids. All Demon machines are now double filtered. Have you checked both of them?

Remedy: Strip and inspect filters.

3. There are no leak's what next? With the pump switched off pull the trigger, water will spray out. Keeping the trigger pulled switch the pump on, if the water spray does not improve the valves are the fault. Either worn out or dirty. Strip and inspect. (The high pressure hose will also vibrate on the ground.)

Remedy: Replace or clean valves.

4. The valves are OK there are no leaks but it still won't get up to pressure – what next? The unloader valve piston and seat are damaged or worn allowing some of the water to circulate around the cylinder head - strip and inspect, you will see any damage.

Remedy: Strip unloader and inspect - replace damaged parts.

5. My cold water pressure washer does not feel as powerful as it used to be but the pressure gauge shows the correct pressure. What causes this? The chemical pick-up has a nozzle of 1.8mm or 2.0mm size and can get partially blocked. This will allow some but not all of the water to flow to the lance.

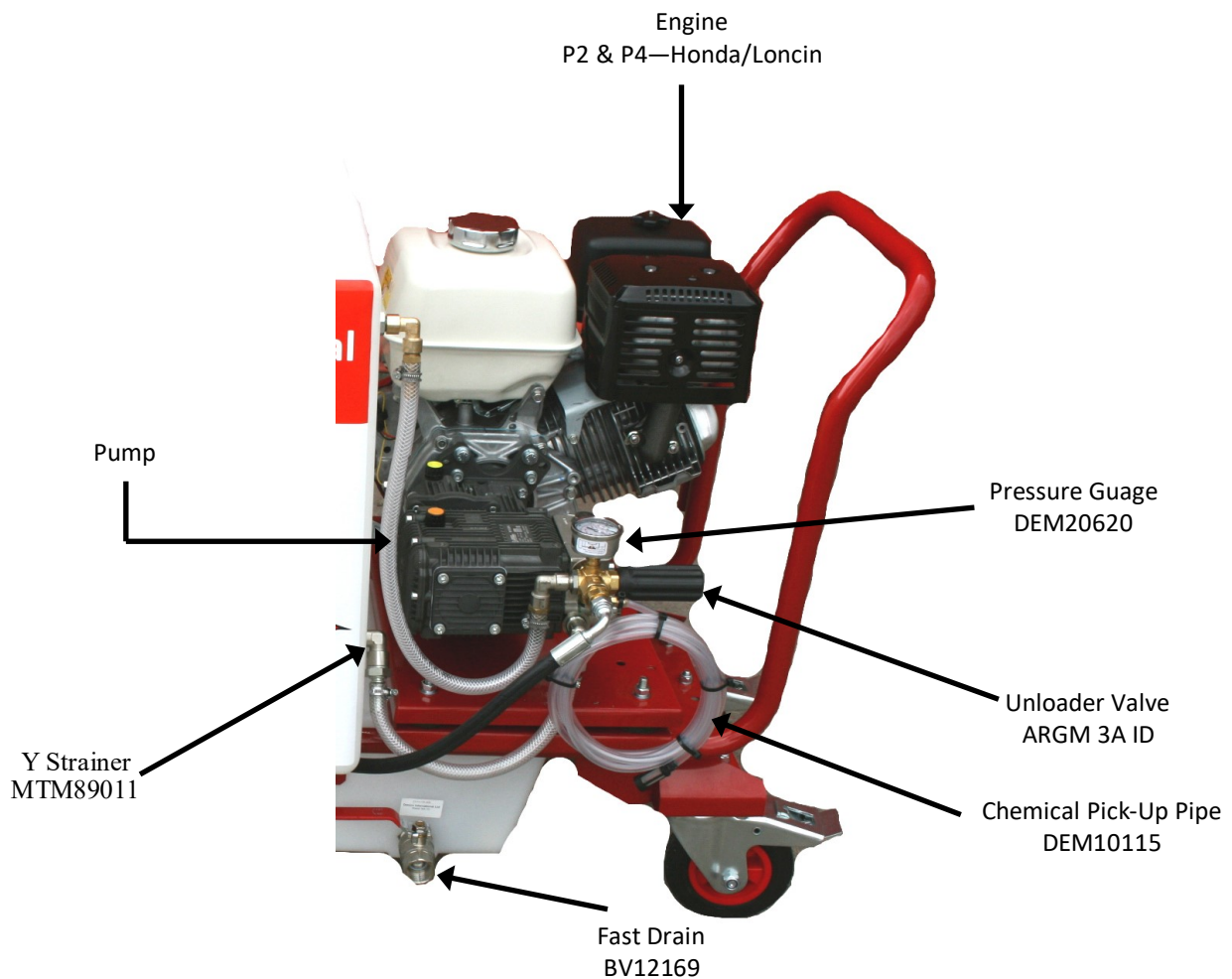
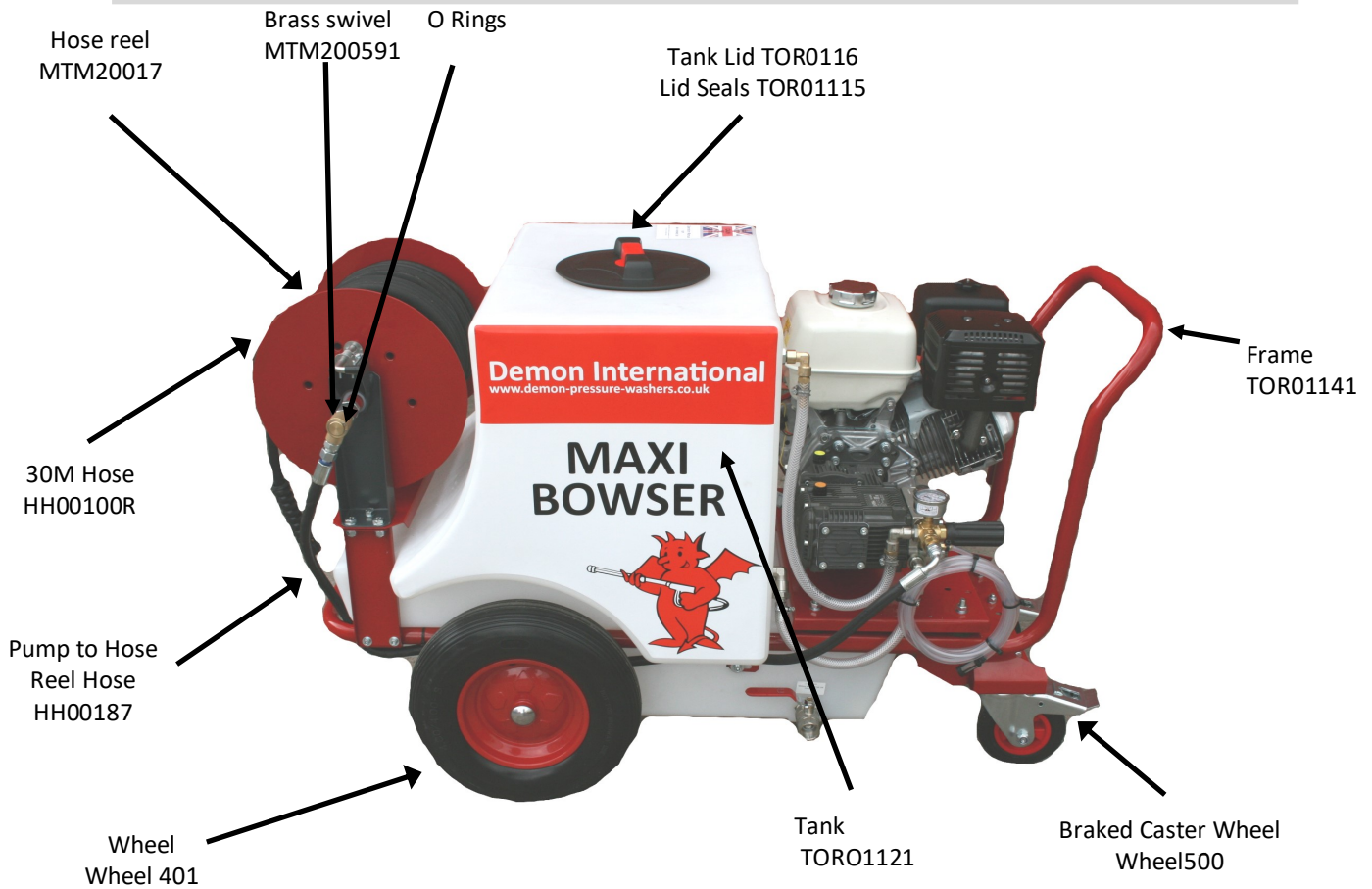
Remedy: Strip and remove the blockage.

6. The pressure remains high even when I let go of the trigger and the engine or motor is struggling or stalling. The non- return valve in the unloader is damaged or jammed.

Remedy: Strip and clean or replace.

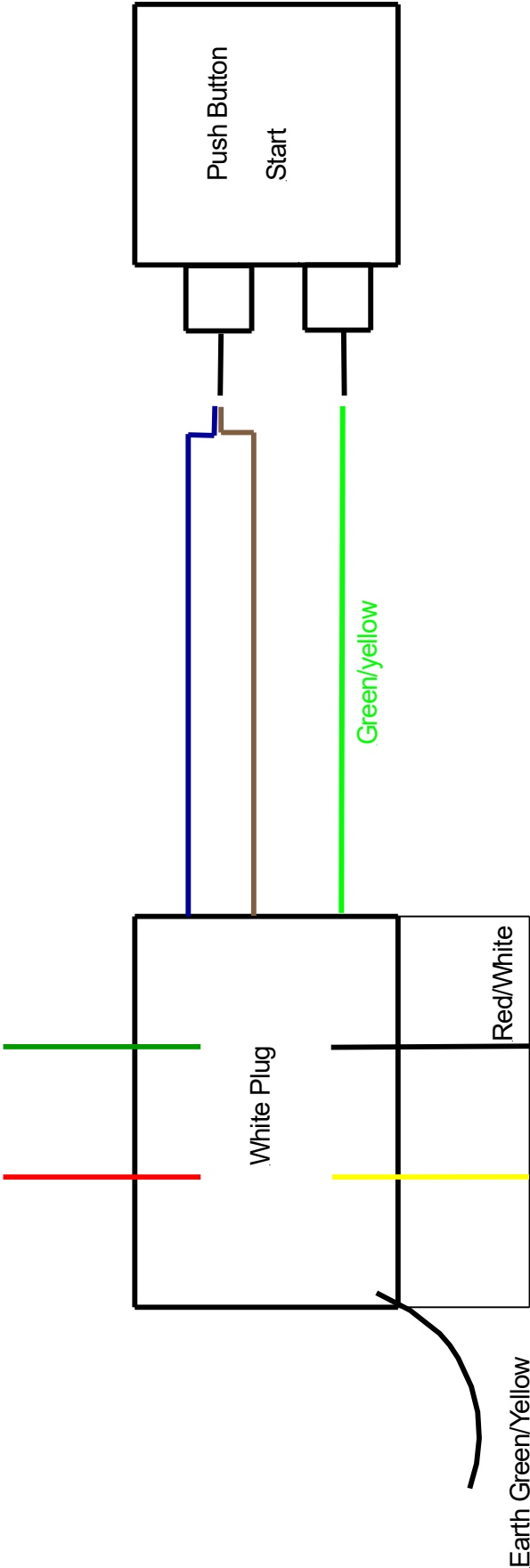
Demon Technical Support 01752 - 690690

Maxi-Bowser General Arrangement



Push Button Start Electrical Wiring for Diesel Machines

KTW 8/11/18



Join Brown and Blue to Switch
and Green/Yellow to Switch

Blue to Green
Brown to Red/White
Green/Yellow - Red
Green/Yellow - Yellow

Single Earth

Warranty

This warranty covers the cost of all replacement parts and labour charges incurred, but does not cover the cost of transport or carriage. It is the owners responsibility to return the machine to a service depot or pay the travelling expenses of a engineer to attend. Demon Internationals decision in warranty matters is final and binding.

Demon International Ltd, undertake to repair or replace at their discretion, any component which may fail due to a manufacturing fault within a period of 12months from the date of purchase, provided that any fault or damage was not sustained by;

- A Lack of regular and proper maintenance, user negligence, misuse, or damage caused by ice or frost.
- B The effects of contaminated fuel or water, the use of non-approved chemicals, or an insufficient or unsuitable electrical supply.
- C The effects of un-authorized modification and use.
- D Compression damage to high pressure hose. (Hoses are warranted for one month only)
- E Worn out items considered wear and tear.

Parts which may or may not wear out during the first year and which are considered service items which will need replacing from time to time: High pressure nozzle, lance, trigger, hoses, fuel nozzle, fuel filter, piston seals, valves, unloader seats and seals, water filter, non-return valve, chemical barbs, chemical pipes, and pump oil seals.

It is the owners responsibility to ensure the pressure washer is kept in a safe and suitable environment and any faults reported by operatives to be rectified at the earliest possible date.

It is the operators responsibility to check the pressure washer for any faults and report them immediately, and to use the pressure washer in accordance with the manufacturers specifications and guidelines.

Demon International Ltd, undertake to use the highest quality components available during manufacture, but can not be held responsible for any undue consequence arising from the use of their pressure washers.

This warranty is given the original purchaser only and is not transferable without the fully authorized and written consent of Demon International Ltd.

The 3 Year Structural Warranty refers to all Demon fabricated structural parts, but this does exclude the Boiler coil.

Warranty Procedure

End Users

If your machine develops a problem:

1. Phone Demon for advice with the model and serial number to hand.
2. Describe fully the problem as best you can.
3. If the problem cannot be resolved over the phone then the machine can be booked in for repair and if the faults are covered by the warranty the repair will be carried out free of charge.
4. If you cannot bring the machine in for repair then we will despatch an engineer. If the fault is covered by the warranty then we will not charge for labour or spares used, however the transport charge will be payable whether or not the repair is warranty.

Hire Centres and Dealers

If your machine develops a problem:

1. Phone Demon for advice with the model and serial number to hand.
 2. Describe fully the problem.
 3. We will advise you on the best course of action, however if parts are required you must raise a purchase order number to cover the parts. When the parts are fitted they must be returned for examination before a credit note is issued.
 4. If you are unable to repair the machine then we will despatch an engineer to carry out the repair. We will need a purchase order to cover the cost of transport to and from the site and for parts and labour if the repair is not covered under the warranty.
 5. If required Demon will arrange for a carrier to collect a damaged machine, if the warranty claim is valid we will pay this cost, if not it will be charged to the customer.
- For parts warranty ring Demon and request a warranty claim form faxed to you. This form must accompany any returned parts.

Notes:

You will not invalidate the warranty by investigating faults and repairing them yourself providing you follow our advice. Hire Centres and Dealers are expected to carry out all repairs themselves with Demon crediting faulty parts upon receipt and inspection.

Spare parts fitted to machines are guaranteed for 1 month only or the remainder of the warranty period whichever is longer.

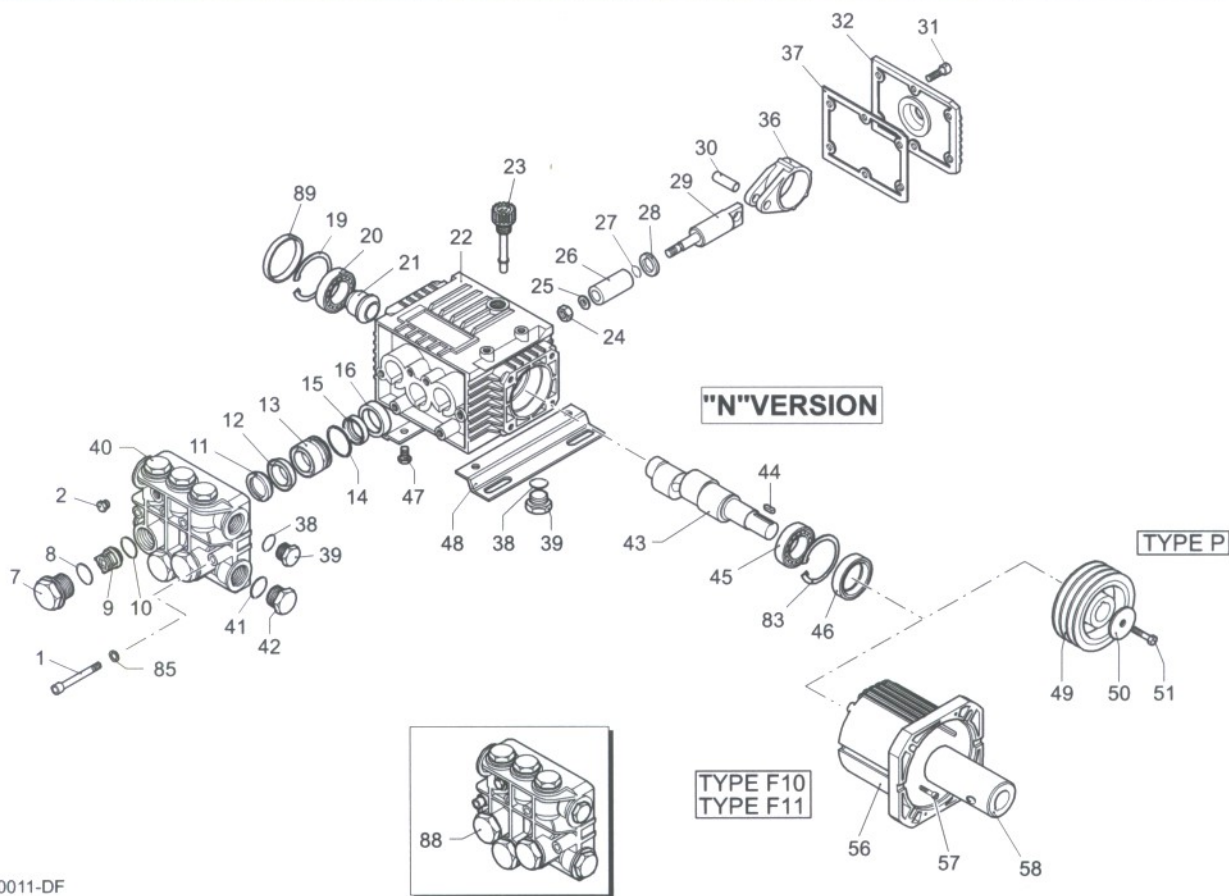
Pump XT 13.15 for Maxi-Bowser P2 & D1
Complete Pump: ARXT13.15

XT

VERSION

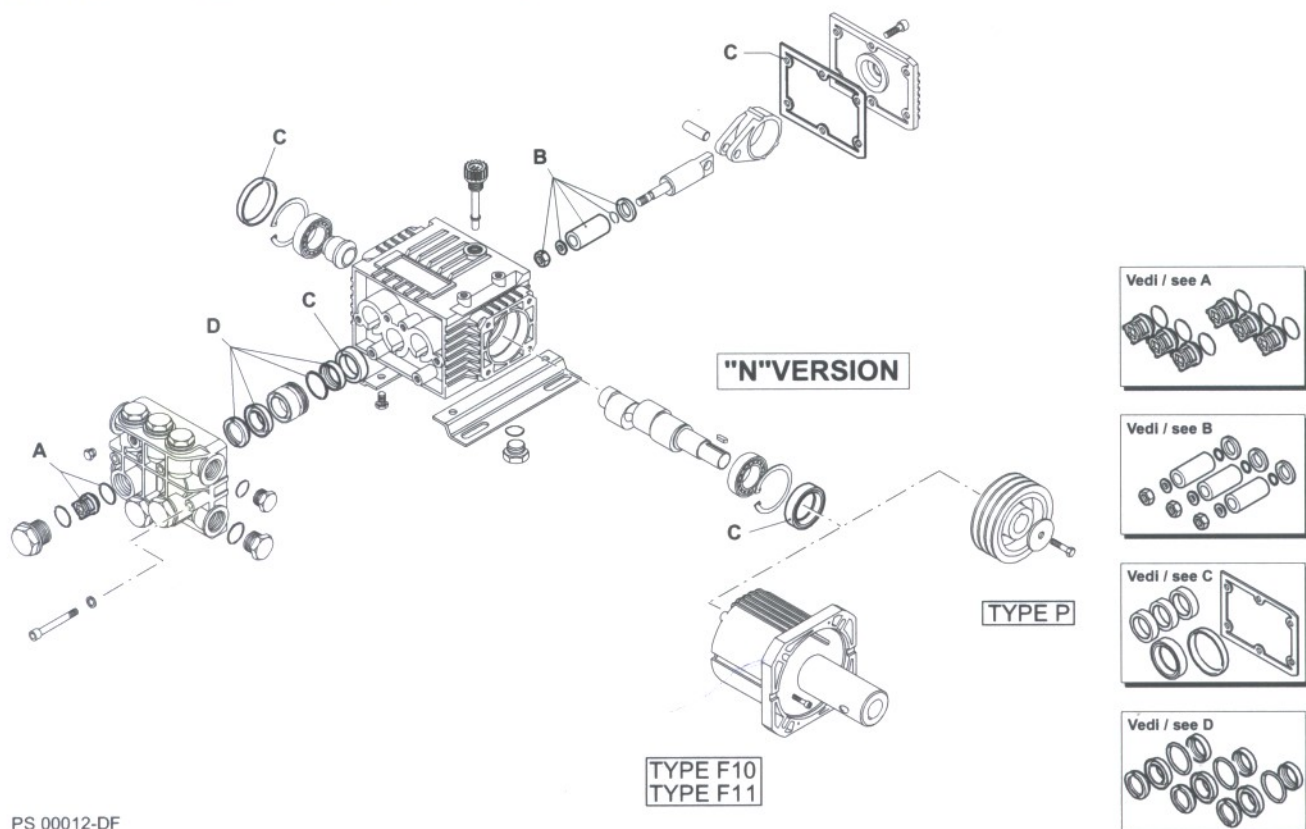
N

1450 RPM



PS 00011-DF

KIT RICAMBI / PART KITS



PS 00012-DF

Pump XT 13.15 for Maxi-Bowser P2 & D1
Complete Pump: ARXT13.15

XT 1450							
Pos	Code No	Description	Qty	Pos	Code No	Description	Qty
1	AR1322730	Screw	6	40	AR1320020	Pump Head	1
2	AR620301	Plug	1	41	AR180101	O Ring	1
7	AR1260162	Plug	6	42	AR820361	Plug	1
8	AR960160	O Ring	6	43	AR1260200	Crankshaft	1
9	AR1269050	Complete Valve	6	43	AR1320260	Crankshaft	1
10	AR880830	O Ring	6	44	AR1380520	Key	1
11	AR1320340	Support Ring	3	45	AR1320370	Bearing	1
12	AR1260220	Gasket	3	46	AR1260750	Seal	1
13	AR1320351	Piston Guide	3	47	AR1260470	Screw	4
14	AR1260420	O Ring	3	48	AR1263890	Base	2
15	AR1260450	Gasket	3	83	AR1260790	Circlip	1
16	AR1260460	Seal	3	85	AR1381550	Washer	6
19	AR1260790	Circlip	1	88	AR1269222	Pump Head pre-ass	1
20	AR1320370	Bearing	1	89	AR1266740	Cap	1
21	AR1320330	Bushing	1				
22	AR1320010	Pump Housing	1				
23	AR880130	Oil Plug	1				
24	AR1260110	Nut	3				
25	AR1260100	Washer	3				
26	AR1260210	Piston	3				
27	AR480480	O Ring	3				
28	AR1260091	Spacer	3				
29	AR1260070	Guiding Piston	3				
30	AR1260080	Piston Pin	3				
31	AR1260760	Screw	6				
32	AR1269101	Complete Cover	1				
32	AR1320910	Complete Cover	1				
36	AR1260060	Con Road	3				
36	AR1320140	Con Road	3				
37	AR1260040	Gasket	1				
38	AR740290	O Ring	2				
39	AR1980740	Plug	2				

ARKIT1864		ARKIT2629		ARKIT1872	
Valve Kit		Piston Kit		Oil Seal Kit	
Pos	Qty	Pos	Qty	Pos	Qty
9	6	24	3	16	3
10	6	25	3	37	1
		26	3	46	1
		27	3	89	1
		28	3		

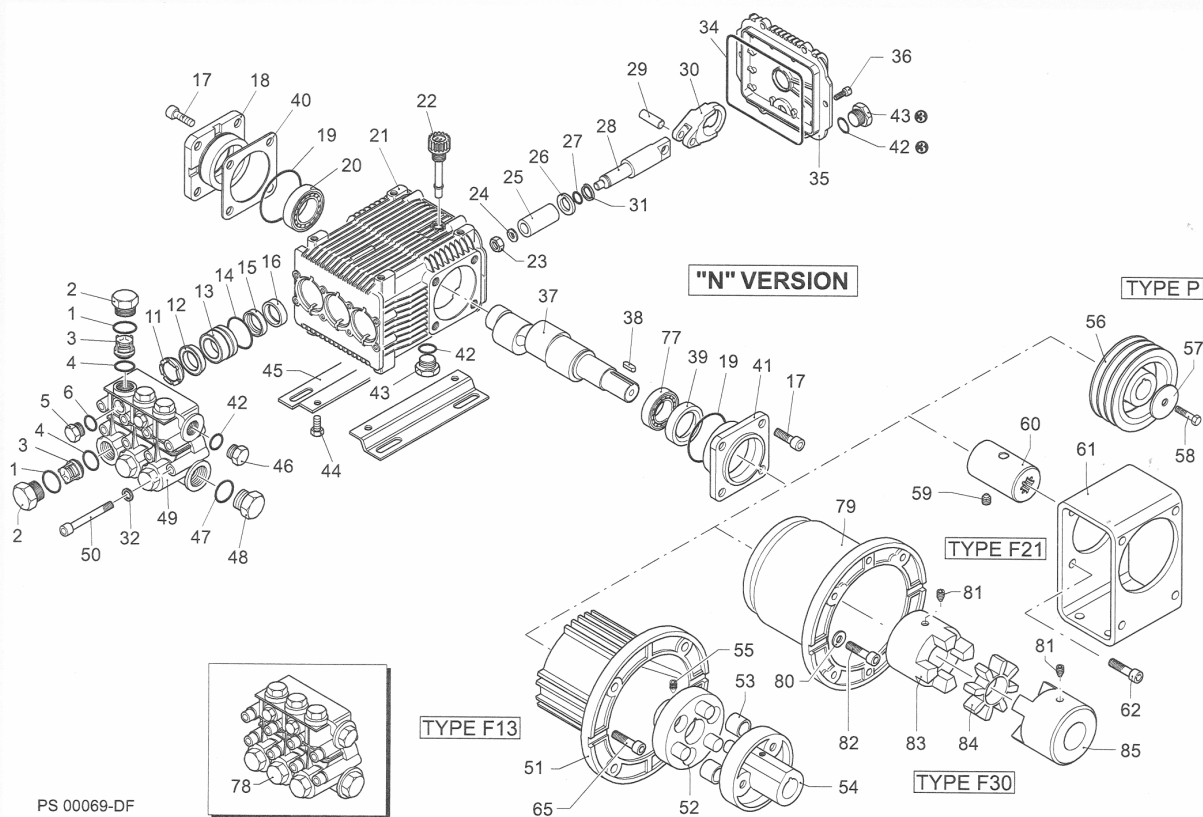
ARKIT1874	
Water Seals	
11	3
12	3
14	3
15	3

Pump RK 15.20 for P4 Maxi-Bowser
Complete Pump: ARXR15-20H

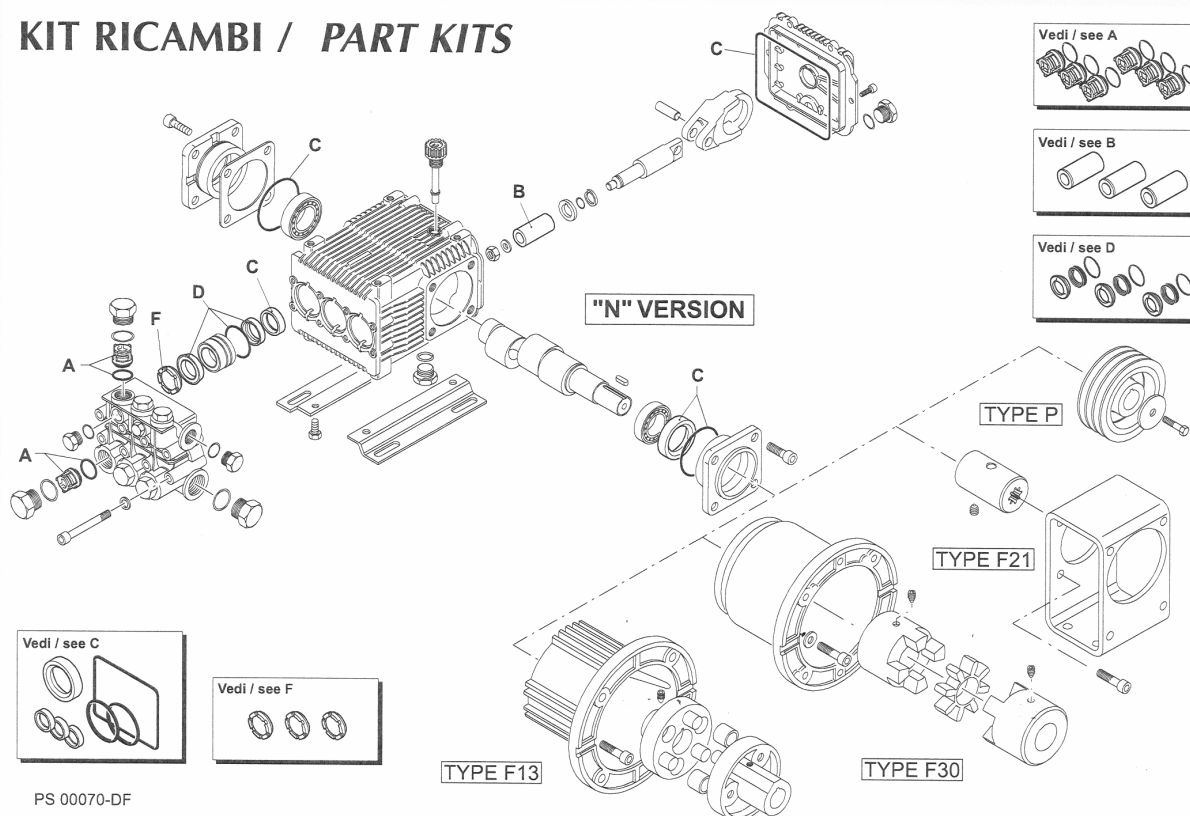
RK

VERSION

N 1450 RPM



KIT RICAMBI / PART KITS



Pump RK 15.20 for P4 Maxi-Bowser
Complete Pump: ARXR15-20H

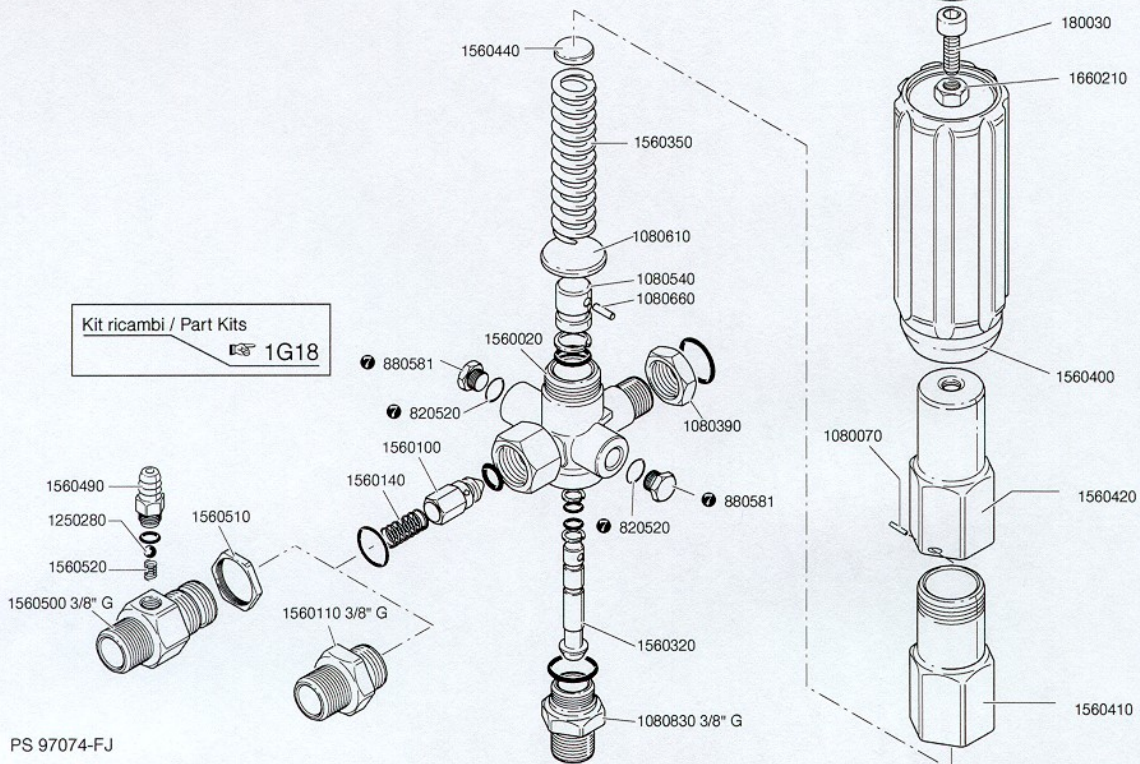
RK MODEL: 15.20H							
Pos	Part No	Description	Qty	Pos	Part No	Description	Qty
1	AR960160	O Ring	6	36	AR1343510	Screw	6
2	AR960090	Plug	6	40	AR1380120	0.10mm shim	1÷3
2	AR1380740	Plug	6	40	AR1380130	0.20mm shim	1÷3
3	AR1389051	Complete Valve	6	40	AR1380530	0.25mm shim	1÷3
4	AR880830	O Ring	6	40	AR1382810	0.05mm shim	1÷3
5	AR880581	Plug	2	42	AR740290	O ring	3
6	AR820510	O Ring	2	43	AR1980740	3/8 G plug	2
11	AR960110	Support Ring	3	44	AR1260470	Screw	4
12	AR880320	Gasket	3	45	AR1380141	Base	2
13	AR1380090	Piston Guide	3	46	AR1980740	3/8 G Plug	1
14	AR961240	O Ring	3	46	AR1981180	3/8 G Plug	1
15	AR880330	Gasket	3	47	AR180101	O Ring	1
16	AR138130	Seal	3	48	AR820361	Plug	1
17	AR850370	Screw	8	48	AR960870	Plug	1
18	AR1380050	Closed Bearing sup	1	78	AR1389272	Pump Head Complete	1
19	AR640030	O Ring	1	50	AR820150	Screw	8
20	AR2280240	Bearing	1	60	AR1380320	Bearing	1
21	AR1382770	Pump Housing	1	61	AR621170	Seal	1
22	AR880130	Oil Cap	1	62	AR1380220	O Ring	1
23	AR962010	Nut	3	63	AR1380210	Shaft cover	1
24	AR962000	Washer	3	66	AR2280180	Hollow Shaft 28mm	1
25	AR1380940	Ceramic Piston	3	66	AR2280170	Hollow Shaft 028mm	1
26	AR1380950	Spacer	3	66	AR2280160	Hollow Shaft 028mm	1
27	AR600180	O ring	3	66	AR2280150	Hollow Shaft 028mm	1
28	AR1380920	Guiding Piston	3	67	AR1380370	El Motor flange	1
29	AR1380060	Piston Pin	3	76	AR620610	Screw	4
30	AR1383050	Aluminium con-rod	3	86	AR1260250	Oil Indicator	1
31	AR1080401	Ring	3	87	AR1260430	Snap Ring	1
32	AR1381850	Washer	8	88	AR1780690	Disc	1
34	AR1780510	O Ring	1	89	AR1140450	O Ring	1
35	AR1789010	Complete cover	1				

Valve Kit		Piston Kit		Oil Seal Kit	
ARKIT1828		ARKIT2757		ARKIT1855	
Pos	Qty	Pos	Qty	Pos	Qty
3	6	25	3	16	3
4	6			19	1
				34	1
				61	1
				62	1

Water Seal		Support Ring	
ARKIT1857		ARKIT1829	
Pos	Qty	Pos	Qty
12	3	11	3
14	3		
15	3		

Unloader for All Maxi-Bowser Models Complete Unloader: ARGM3AID

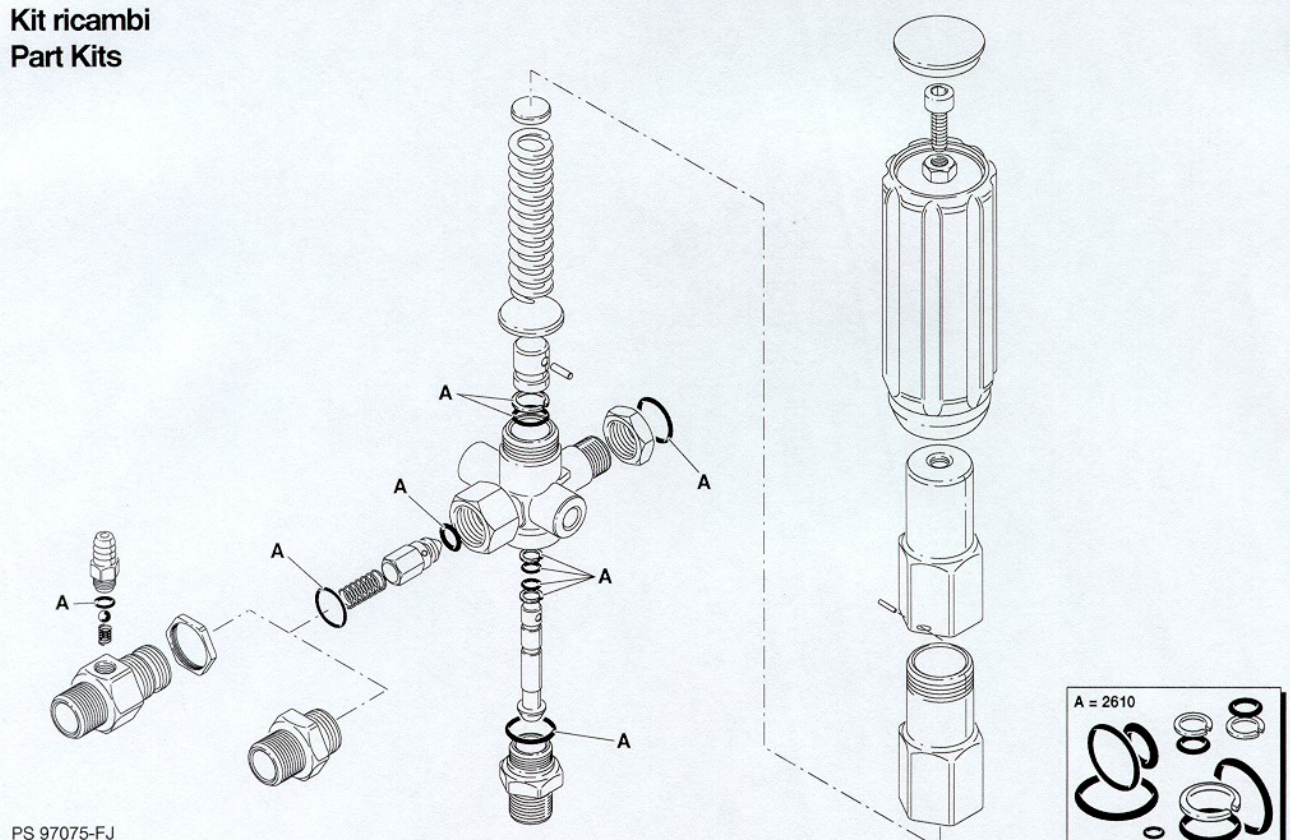
GYMATIC 3/A 250 bar



● A richiesta / Optional

- 1G 17 -

**Kit ricambi
Part Kits**



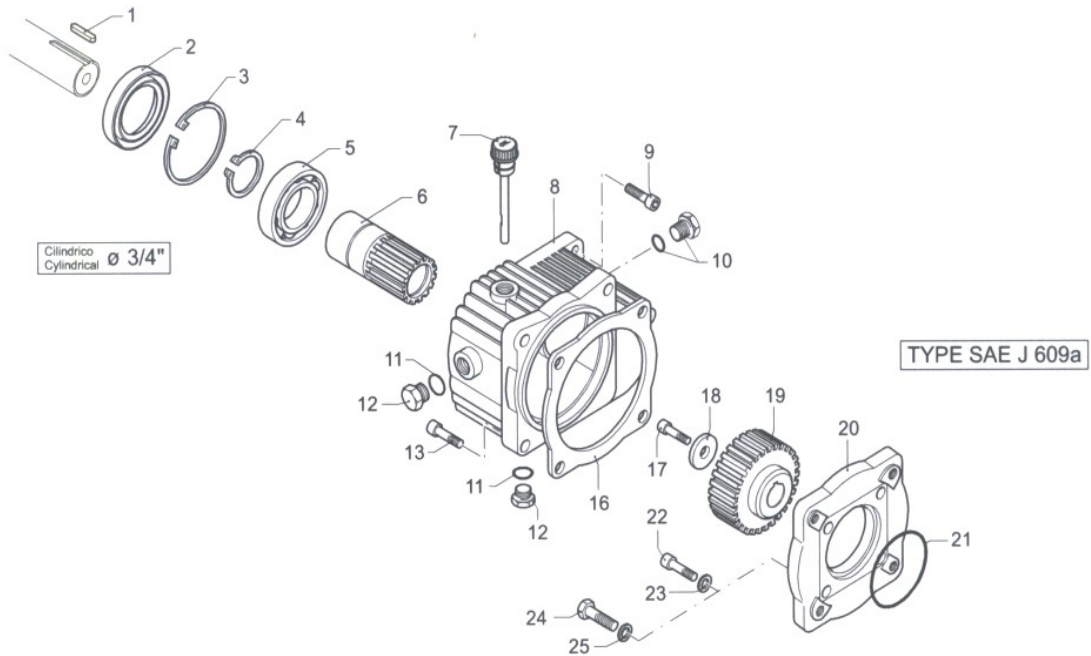
- 1G 18 -

Unloader for All Maxi-Bowser Models
Complete Unloader: ARGM3AID

GYMATIC 3/A		
Pos	Part Number	Description
1	AR1560580	Knob plug
2	AR180030	Screw
3	AR1660210	Nut
4	AR1560400	Handle
5	AR1080070	Pin
6	AR1560420	Adjusting screw
7	AR1560410	Spring guide
8	AR1560440	Plate
9	AR1560350	Spring
10	AR1080610	Spring plate
11	AR1080660	Pin
12	AR1080540	Upper piston
16	AR1560100	Jet
17	AR1560140	Spring
19	AR880581	Plug
20	AR820510	O ring
21	AR1560020	Valve housing
25	AR1560320	Lower piston
27	AR1080831	By pass adjuster
29	AR1560510	Nut
30	AR1560500	Fitting ³ / ₈
30	AR1560530	Fitting ³ / ₈
30	AR1560540	Fitting ³ / ₈
31	AR1560520	Spring
32	AR1250280	Ball
34	AR1560490	Hose tail
35	AR1560110	Adaptor ³ / ₈
35	AR1560111	Adaptor ³ / ₈
36	AR1560650	Hose tail
37	AR800560	O ring
38	AR480560	O ring
39	AR1560670	Detergent reg knob
40	AR1560660	Ring
41	AR1080390	Nut
13,14,15,18,22,23,26,33,42	ARKIT2611	O Rings

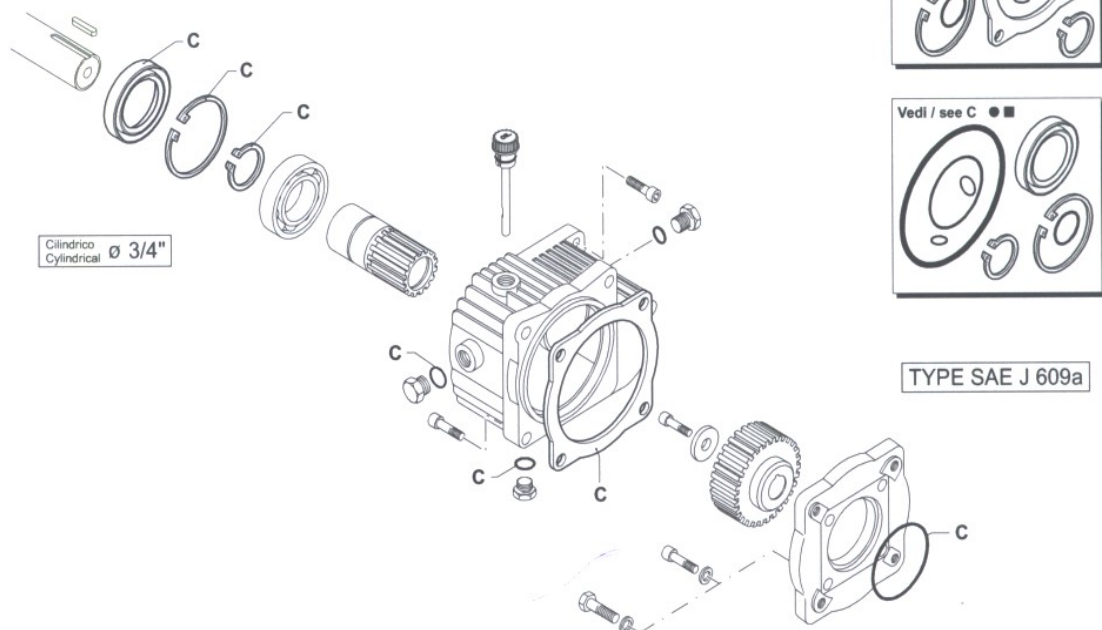
**Gearbox for P2 Maxi-Bowser
Complete Gearbox: ARCRXT**

CR RIDUTTORE - GEAR BOX



UN000228-HF

KIT RICAMBI / PART KITS



UN000229-HF

**Gearbox for P2 Maxi-Bowser
Complete Gearbox: ARCRXT**

CR RIDUTTORE - GEAR BOX



Pos.	Cod. Part n°	Denominazione	Description	Q.tà Q.ty	Note Vedi / See	Pos.	Cod. Part n°	Denominazione	Description	Q.tà Q.ty	Note Vedi / See
1	881090	Linguetta	Key	1							
2	961800	Anello tenuta	Seal	1							
3	961790	Seeger Øi 68	Circlip	1							
4	320240	Seeger Øe 40	Circlip	1							
5	961781	Cuscinetto	Bearing	1							
6	1322920	Pignone Ø 3/4"	Pinion	1	Z=23 ● ○						
	1322930	Pignone Ø 3/4"	Pinion	1	Z=21 ■						
7	1140370	Tappo olio + O-ring	Oil plug + O-ring	1							
8	1320910	Scatola riduttore	Gear box	1							
9	651000	Vite TCEI 5/16"	Screw	4							
10	1980290	Tappo 3/8"	Plug	1							
11	740290	OR Ø 14x1,78	O-Ring	2							
12	1980740	Tappo 3/8"G	Plug	2	Ottone/Brass						
13	160671	Vite TCEI M 10x25	Screw	4							
16	1320990	Guarnizione scatola	Gasket	1	○						
	1520590	OR Ø 107,67x1,78	O-Ring	1	● ■						
17	880280	Vite TCEI M 6x18	Screw	1							
18	780230	Rondella Tenuta	Washer	1							
19	1322940	Ruota dentata	Gear	1	Z=45 ○						
	1321230	Ruota dentata	Gear	1	Z=45 ●						
	1320960	Ruota dentata	Gear	1	Z=47 ■						
20	1320920	Flangia riduttore	Flange	1	○						
	1320930	Flangia riduttore	Flange	1	● ■						
21	650920	OR Ø 53,65x2,62	O-Ring	1	○						
	640030	OR Ø 60x2,62	O-Ring	1	● ■						
22	780330	Vite TCEI M 6x20	Screw	4	○						
23	1341020	Rondella 6x10x1	Washer	4	○						
24	180430	Vite TE M 8x20	Screw	4	● ■ XM-XMA						
	390450	Vite TE M 8x30	Screw	4	● ■ XRC-XRCA						
25	1260100	Rondella 8x13x0,50	Washer	4	● ■						

KIT RICAMBI PART KITS

C=KIT 2793 ○ tenute olio oil seals		C=KIT 2525 ● ■ tenute olio oil seals					
pos.	Q.ty	pos.	Q.ty	pos.	Q.ty	pos.	Q.ty
2	1	2	1				
3	1	3	1				
4	1	4	1				
11	2	11	2				
16	1	16	1				
21	1	21	1				

pos.	Q.ty	pos.	Q.ty	pos.	Q.ty	pos.	Q.ty

LEGENDA :

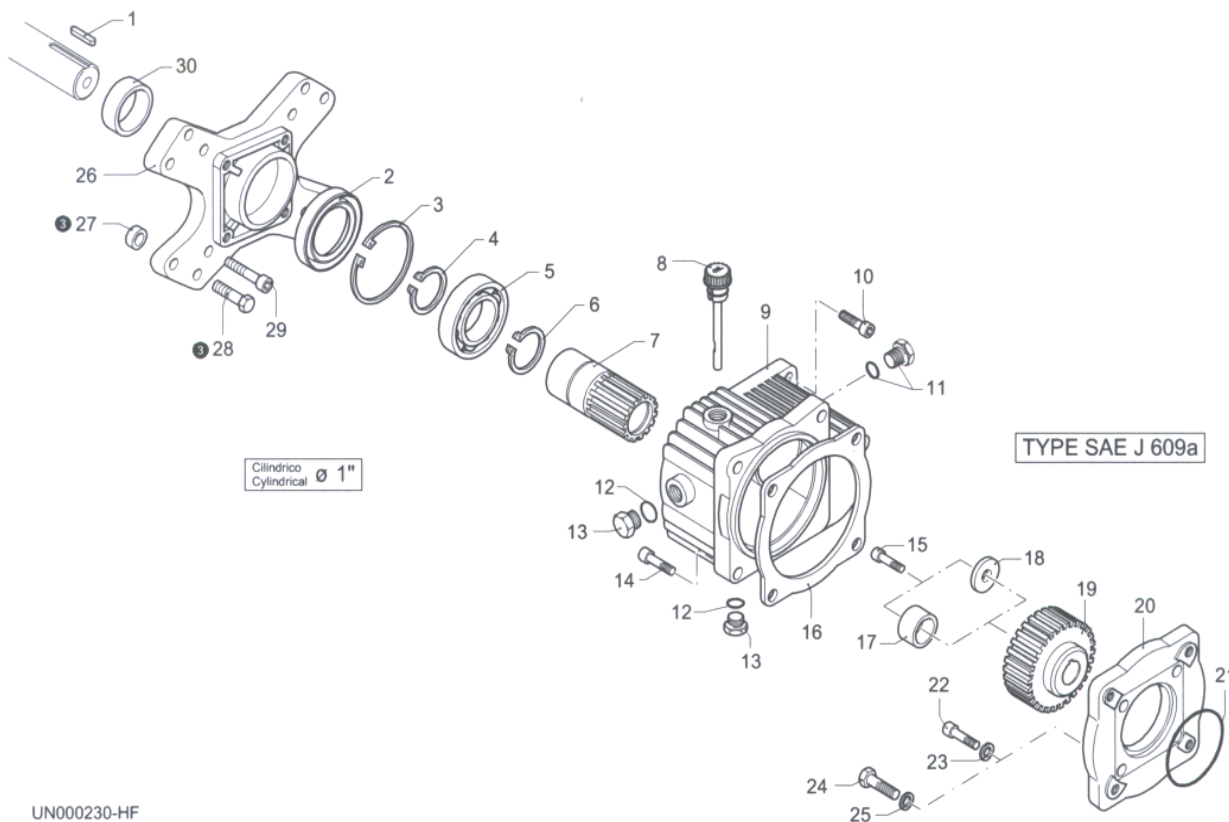
○ Per / For
COD. 1694
1:2
XT/XTA series

● Per / For
COD. 1692
1:2
XM/XMA series
XRC/XRCAseries

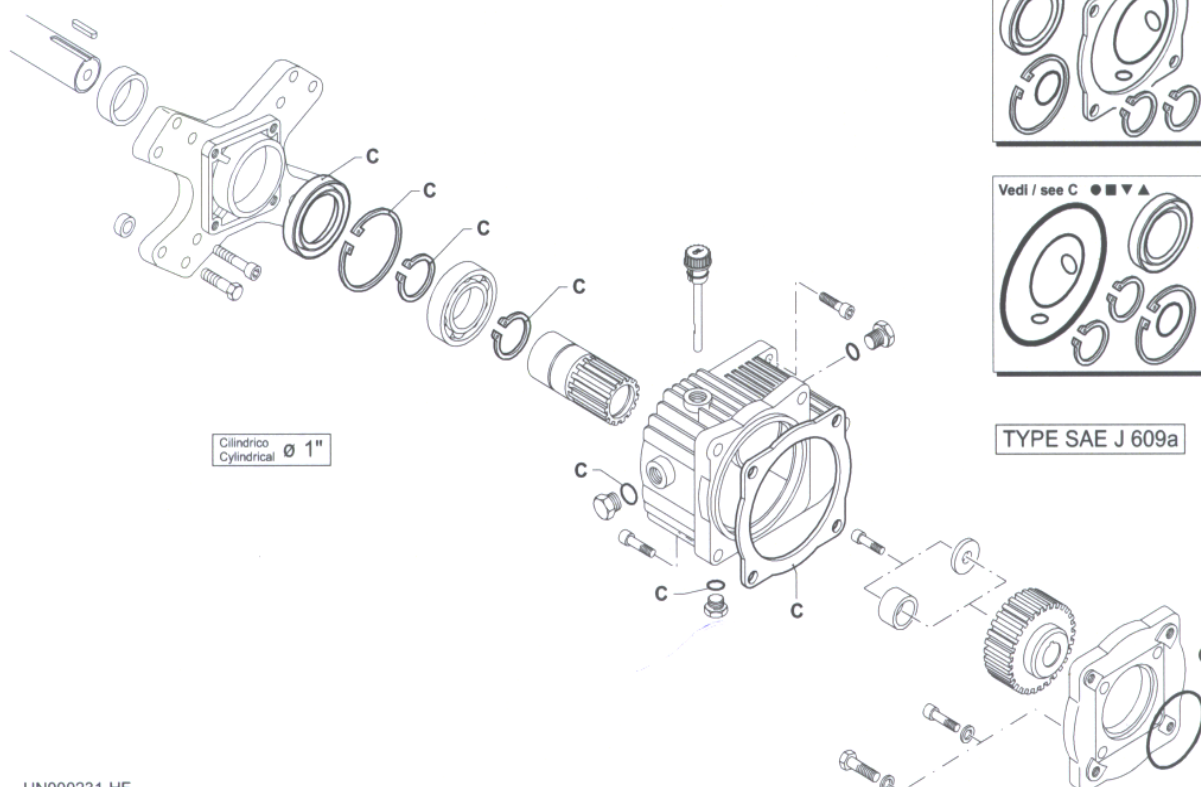
■ Per / For
COD. 1691
1:2
XM series
XRC series

**Gearbox for P4 & D1ES Maxi-Bowsers
Complete Gearbox: ARCRXR**

CR RIDUTTORE - GEAR BOX



KIT RICAMBI / PART KITS



Gearbox for P4 & D1ES Maxi-Bowsers
Complete Gearbox: ARCRXR

CR RIDUTTORE - GEAR BOX



Pos.	Cod. Part n°	Denominazione	Description	Q.tà Q.ty	Note Vedi / See	Pos.	Cod. Part n°	Denominazione	Description	Q.tà Q.ty	Note Vedi / See
1	1382510	Chiavetta (8 HP)	Key	1	○ ● ■ ▼ ▲						
	881090	Linguetta (9-18 HP)	Key	1	● ■ ▼ ▲						
2	961800	Anello tenuta	Seal	1							
3	961790	Seeger Øi 68	Circlip	1							
4	320240	Seeger Øe 40	Circlip	1							
5	961781	Cuscinetto	Bearing	1							
6	320240	Seeger Øe 40	Circlip	1	■ ▲						
7	1382420	Pignone Ø 1" Z=23	Pinion	1	○ ● ▼						
	1382430	Pignone Ø 1" Z=21	Pinion	1	■ ▲						
8	1140370	Tappo olio + OR	Oil plug + O-ring	1							
9	1320910	Scatola riduttore	Gear box	1							
10	881940	Vite TCEI M 8x25	Screw	4							
11	1980290	Tappo 3/8"	Plug	1							
12	740290	OR Ø 14x1,78	O-Ring	2							
13	1980740	Tappo 3/8"G	Plug	2	Ottone/Brass						
14	160671	Vite TCEI M 10x25	Screw	4							
15	880280	Vite TCEI M 6x18	Screw	1							
16	1320990	Guarnizione scatola	Gasket	1	○						
	1520590	OR Ø 107,67x1,78	O-Ring	1	● ■ ▼ ▲						
17	1940500	Distanziale	Spacer	1	▼ ▲						
18	780230	Rondella Tenuta	Washer	1	○ ● ■						
19	1322940	Ruota dentata Z=45	Gear	1	○						
	1321230	Ruota dentata Z=45	Gear	1	● ▼						
	1320960	Ruota dentata Z=47	Gear	1	■ ▲						
20	1320920	Flangia riduttore	Flange	1	○						
	1320930	Flangia riduttore	Flange	1	● ■ ▼ ▲						
21	650920	OR Ø 53,65x2,62	O-Ring	1	○						
	640030	OR Ø 60x2,62	O-Ring	1	● ■ ▼ ▲						
22	780330	Vite TCEI M 6x20	Screw	4	○						
23	1341020	Rondella 6x10x1	Washer	4	○						
24	180430	Vite TE M 8x20	Screw	4	● ■ (XM)						
	390450	Vite TE M 8x30	Screw	4	● ■ ▼ ▲						
25	1260100	Rondella 8x13x0,50	Washer	4	● ■ ▼ ▲						
26	1320940	Flangia motore	Motor flange	1							
27	961770	Distanziale	Spacer	4	③						
28	961900	Vite TE 3/8"	Screw	4	③						
29	651000	Vite TCEI 5/16"	Screw	4							
30	1382540	Distanziale	Spacer	1	● ■ ▼ ▲						

③ Per motori italiani / Italian engines only

KIT RICAMBI PART KITS

C=KIT 2793 ○ tenute olio oil seals				C=KIT 2525 ● ■ ▼ ▲ tenute olio oil seals			
pos.	Q.ty	pos.	Q.ty	pos.	Q.ty	pos.	Q.ty
2	1	21	1	2	1	21	1
3	1			3	1		
4	1			4	1		
6	1			6	1		
12	2			12	2		
16	1			16	1		

pos.	Q.ty	pos.	Q.ty	pos.	Q.ty	pos.	Q.ty

LEGENDA :

● Per / For
COD. 1690
1:2
XM/XMA series
XRC/XRCA series

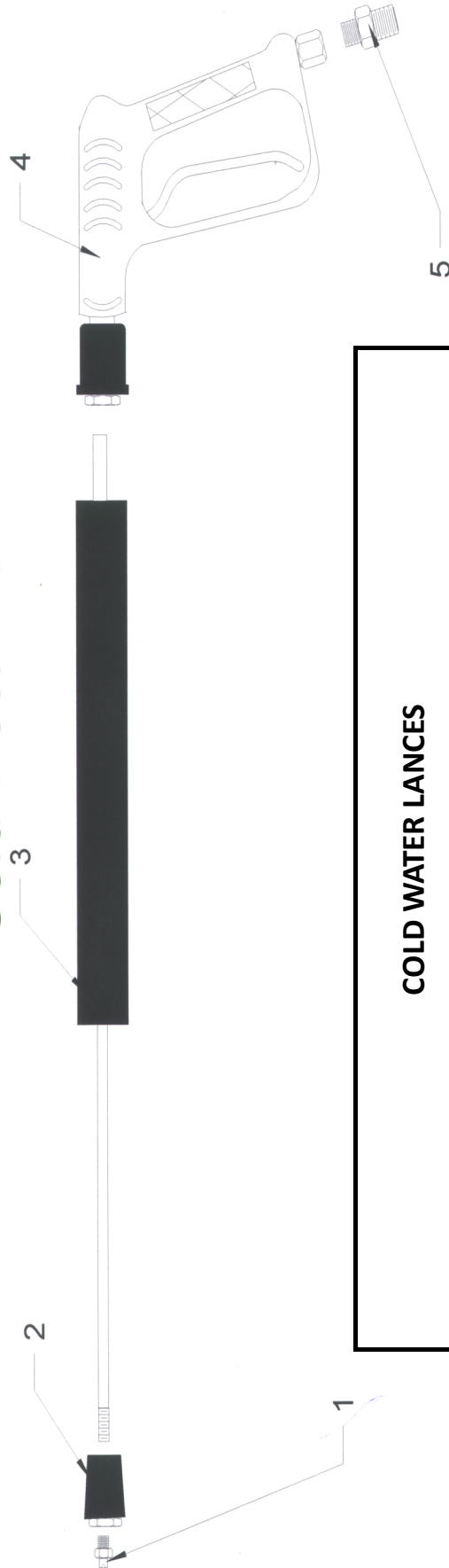
■ Per / For
COD. 1689
1:2,24
XM series
XRC series

▼ Per / For
COD. 1697
1:2
XW/XWA series

▲ Per / For
COD. 1698
1:2,24
XW series

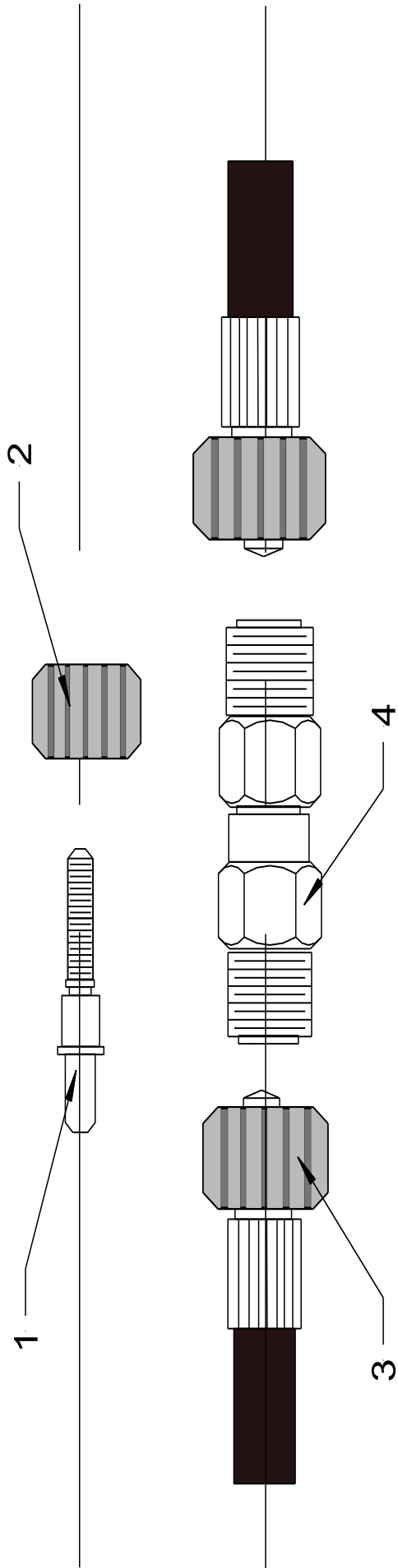
○ Per / For
COD. 1693
1:2,24
XT/XTA series

Cold Water Lance



COLD WATER LANCES				
Pos	Part No	Description	Qty	
1	N26001/15045	Nozzle	1	
2	MTM90040	Adjustable Nozzle	1	
3	DEM10031B	QR Lamce	1	
4	DEM10030	QR Trigger	1	
5	MTM70012	MVG Coupling	1	

High Pressure Hoses



1.	Hose Insert	MV00490 (items 1 & 2)
2.	Nut	
3.	High Pressure Hose	DEM10032B
4.	Hose Joiner	MV00500
Alternative Hose Lengths		
	15 Metre	HH00050MVG
	30 Metre	HH00100MVG

EC Declaration of Conformity

We

Demon International Ltd

Of

Abbots Close, Lee Mill Industrial Estate, Ivybridge, Devon PL21 9GA

Declare that:

Equipment High Pressure Water Jet Machines

Model name/number

Serial number

Conforms to the relevant safety and health related requirements of the appropriate EC Directives. This declaration shall cease to be valid if modifications are made to the machine without our approval.

In accordance with the following EU Directives:

73/23/EEC The Low Voltage Directive – and its amending directives

89/336/EEC The Electromagnetic Compatibility Directive – and its amending directives

98/37/EEC The Machinery Directive – and its amending directives

2000/14/EC Noise Directive

Harmonised Standards Applied:

EN 292-1 & EN292-2 (now ISO:12100), EN 60335-2-79, EN55014-1, EN55014-2, EN 61000-3-2

Applied national standards and technical specifications:

DS EN 60335-2-79

Applied conformity evaluation method

Appendix V

Sound power level dB(A):

	Maxi Bowser P2	Maxi Bowser P4	Maxi Bowser D1 L70	Maxi Bowser D1 L100
Measured	83	83	88	88
Guaranteed	84	84	89	89

HAV – All triggers and lances have vibration levels below 2.5 m/s/s²

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with all essential requirements of the Directives.

Signed:



Martyn Walke

Authority: Technical Director

Date:

UKCA Declaration of Conformity

We **Demon International Ltd**

Of **Abbots Close, Lee Mill Industrial Estate, Ivybridge, Devon PL21 9GA**

Declare that:

Equipment: Industrial Pressure Washer

Model name/number:

Serial number:

Conforms to the relevant safety and health related requirements of the appropriate UK Legislation. This declaration shall cease to be valid if modifications are made to the machine without our approval.

In accordance with the following UK Legislation:

The Electrical Equipment (Safety) Regulations 2016 – and its amended directives

Electromagnetic Compatibility Regulations 2016 – and its amended directives

Supply of Machinery (Safety) Regulations 2008 – and its amended directives

Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001 – and its amended directives

Harmonised Standards Applied:

British Standards Institution (BSI)

Sound power level dB(A):

	Maxi Bowser P2	Maxi Bowser P4	Maxi Bowser D1 L70	Maxi Bowser D1 L100
Measured	83	83	88	88
Guaranteed	84	84	89	89

HAV – All triggers and lances have vibration levels below 2.5 m/s²

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with all essential requirements of the UK Legislation.

Signed:



Authority: *Technical Director*

Date:

Technical Documentation Address: Abbots Close, Lee Mill Industrial Estate, Ivybridge, Devon PL21 9GA