

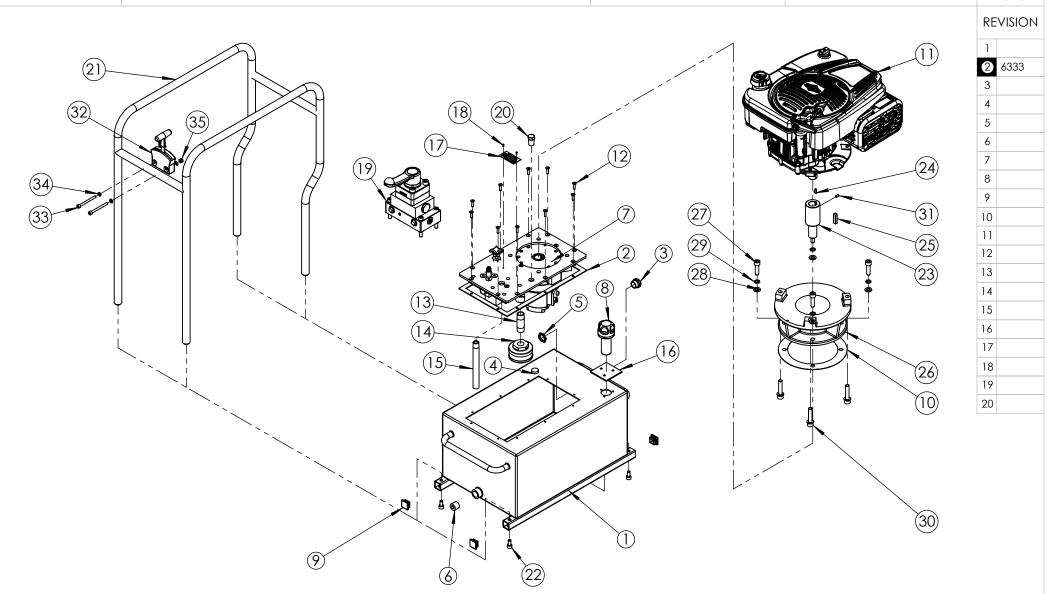
HPP PETROL ENGINE DRIVEN PUMPS

SERIAL NUMBERS

ALL

PRODUCT NO. HPP21042

SHT 1 OF 2 SHTS



**IMPORTANT** 

WHEN ORDERING SPARES YOU MUST STATE THE FULL PART NUMBER AND THE PRODUCT SERIAL NUMBER - FROM THE LABEL TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS.



#### HPP PETROL ENGINE DRIVEN PUMPS

SERIAL NUMBERS

PART NUMBER

MCC000SB001

PCC004WC001

PCC008KE001

CSC222AS001

BLC010LB035

WAC010AB000

WAC010BZ000

BLC010LB050

FAS005ME010

MCC000PT001

BLC006JD065

WAC006AF000

NUC006JC000

ALL

**DESCRIPTION** 

**QUILL SHAFT ADAPTOR** 

SHAFT KEY

SHAFT KEY

ENGINE FLANGE

M10 x 35 SOCKET CAP HEAD SCREW

M10 ZINC PLATED FLAT WASHER

M10 SPRING WASHER

M10 x 50 SOCKET CAP HEAD SCREW

SOCKET CUP PT SCREW M5 x 10

THROTTLE M6 X 65 HEX SOCKET CAP HD

**SCREW** 

M6 ZINC WASHER

M6 NYLOK NUT

PRODUCT NO. HPP21042

SPARE PARTS

QTY.

4 7

7

3

2

4

2

SERVICE

**PARTS** 

SHT 2 OF 2 SHTS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	ITEM NO.
1	TAC025AS001	25L TANK	1			23
2	15482	TANK GASKET	1	X	1	24
3	BLC021YT010	SIGHT GLASS HGF.13 BLACK OIL LEVEL INDICATOR	2			25
4	DCSF00328	DOUBLE SIDED MAGNET	1			26
5	NUC021-B000	1/2" BSP LOCK NUT	2			27
6	FPC013PC001	1/2" BSP PLUG - HEX SOCKET	1			28
7	TYPE200-24	200 SERIES PUMP UNIT	1			29
8	FFC028PZ001	FILLER/BREATHER	1			30
9	BPC025KP001	1" SQ RIBBED INSERT BLACK	4			31
10	SEC001KT003	GASKET	1	X	✓	32
11	PE1_4.5	PETROL MOTOR	1			33
12	BLC005HF020	M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW	10			34
13	FPC013AC001	BARREL NIPPLE	1			35
14	FFC045MZ001	FILTER	1			
15	TAC000PA001	160 mm LONG SUCTION PIPE	1			NC
16	SFC065FA002	BLANKING PLATE	1			
17	AAN000UP001	60 x 30 mm UNIVERSAL NAME PLATE	1	X		- A (UN
18	FAS002HZ001	NO.4 x 3/16 HAMMER DRIVE SCREW	2			- Al
19	PMV4L	4 WAY, MANUALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE WITH LOAD	1			SER

HOLDING

3/8 NPT BLANKING PLUG

**ROLL FRAME** 

M8 x 16 mm HEX SOCKET CAP HEAD

**SCREW** 

1

RE	VISION
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#### NOTE:

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS INDIVIDUAL SPARE PARTS (UNLESS MARKED WITH X.)
- ALL PARTS MARKED WITH ✓ARE AVAILABLE SERVICEABLE PARTS FOUND IN: SERVICE KIT HEP-SK1
- FOR SUB ASSEMBLIES (ITEM NO.S 7 & 19) PLEASE REFER TO THEIR INDIVIDUAL EVD'S.

## **IMPORTANT**

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FPC010PN001

TAC025CS001

BLC008KD016

20

21

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Hi-Force HYDRAULIC TOOLS

(28)

# 4 WAY, MANUALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE WITH LOAD HOLDING

(14)

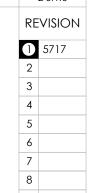
SERIAL NUMBERS

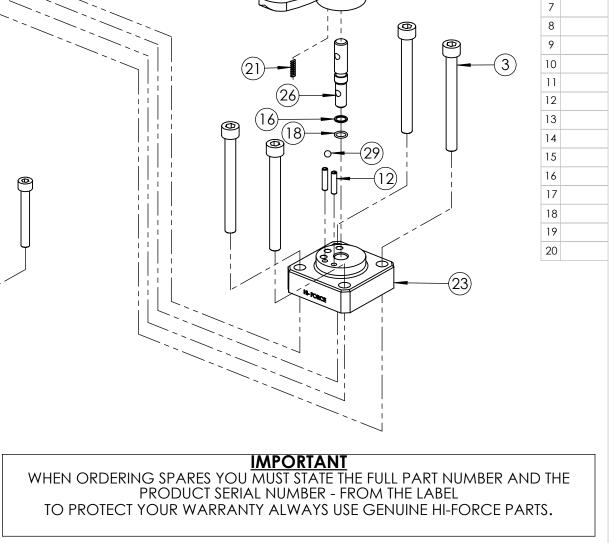
PRODUCT NO.

PMV4L

version 01

SHT 1 OF 2 SHTS





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(31



## 4 WAY, MANUALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE WITH LOAD HOLDING

SERIAL NUMBERS	PRODUCT NO.	VERSION	
	PMV4L	01	SHT 2 OF 2 SHTS

10

12 13

14

15 16

17

18

19 20

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS
1	VFC010BF007	VALVE MOUNTING BLOCK	1		
2	BLC005HU020	M5 x 20 mm HEX SOCKET CAP HEAD SCREW	2		
3	BLC010LC100	M10 x 100 mm HEX SOCKET CAP HEAD SCREW	4		
4	BLC008KC060	M8 x 60 mm HEX SOCKET CAP HEAD SCREW	4		
5	BSC035NA001	NEEDLE BEARING	1		
6	BSC035NA002	HOUSING WASHER	1		
7	FPC002PN001	1/16" x 7/8" NPT SOCKET PLUG	3		
8	FPC003PN001	1/8" x 3/4" NPT TAPER DRY SEAL PRESS PLUG	1		
9	FPC010PN002	3/8" X 7/8" NPT SOCKET PLUG	2		
10	HLC012LP002	HANDLE	1		
11	PCC003RB006	Ø3 x 12 mm SELLOCK PIN	2		
12	PCC005RD002	Ø5 x 22 mm SPIROL PIN	2		
13	PCC006RD001	Ø6 X 22 mm SPIROL PIN	2		
14	SEC003KT001	VALVE GASKET	1		1
15	SEC011BA001	BACK UP RING	3		1
16	SEC012BA002	BACK UP RING	1		1
17	SEC011RA001	O-RING - I.D. 8.10 mm, C.S. 1.6 mm, NITRILE 90	3		<b>✓</b>
18	SEC012RA003	O-RING - I.D. 9 mm, C.S. 1.50 mm, NITRILE 70	1		•
19	SEC016RA002	O-RING - I.D. 10.77 mm, C.S. 2.62 mm, NITRILE 70	4		1
20	SEC049RF001	O-RING - I.D. 48.90 mm, C.S. 2.62 mm, NITRILE 90	1		1
21	SPC005KA001	SPRING	1		
22	SPC010CA001	SPRING	3		
23	VFC000BD003	VALVE BODY	1		
24	VFC000SC001	SHEAR SEAL COLLAR	3		
25	VFC000SQ002	VALVE ROTOR	1		

PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	REVISION
VFC000SR002	SPINDLE	1			1) 5717
VFC000ST001	SHEAR SEAL PLATE	1			2
VFC000SU001	SHEAR SEAL	3			3
BAC006SN000	Ø6 mm STEEL BALL	1			4
V-8245	DUAL CHECK VALVE	1			5
BPC010SP004	3/8 NPT PLASTIC BLANKING PLUG (RED)	2			7
SEC014RA001	O-RING - I.D. 9.19mm, C.S. 2.62mm, NITRILE 90	4		1	8
	VFC000\$R002 VFC000\$T001 VFC000\$U001 BAC006\$N000 V-8245 BPC010\$P004	VFC000SR002         SPINDLE           VFC000ST001         SHEAR SEAL PLATE           VFC000SU001         SHEAR SEAL           BAC006SN000         Ø6 mm STEEL BALL           V-8245         DUAL CHECK VALVE           BPC010SP004         3/8 NPT PLASTIC BLANKING PLUG (RED)           SEC014BA001         O-RING - I.D. 9.19mm, C.S. 2.62mm,	VFC000SR002         SPINDLE         1           VFC000ST001         SHEAR SEAL PLATE         1           VFC000SU001         SHEAR SEAL         3           BAC006SN000         Ø6 mm STEEL BALL         1           V-8245         DUAL CHECK VALVE         1           BPC010SP004         3/8 NPT PLASTIC BLANKING PLUG (RED)         2           SEC014BA001         O-RING - I.D. 9.19mm, C.S. 2.62mm, A         4	VFC000SR002         SPINDLE         1           VFC000ST001         SHEAR SEAL PLATE         1           VFC000SU001         SHEAR SEAL         3           BAC006SN000         Ø6 mm STEEL BALL         1           V-8245         DUAL CHECK VALVE         1           BPC010SP004         3/8 NPT PLASTIC BLANKING PLUG (RED)         2           SEC014BA001         O-RING - I.D. 9.19mm, C.S. 2.62mm, A         4	VFC000SR002         SPINDLE         1           VFC000ST001         SHEAR SEAL PLATE         1           VFC000SU001         SHEAR SEAL         3           BAC006SN000         Ø6 mm STEEL BALL         1           V-8245         DUAL CHECK VALVE         1           BPC010SP004         3/8 NPT PLASTIC BLANKING PLUG (RED)         2           SEC014RA001         O-RING - I.D. 9.19mm, C.S. 2.62mm, A         4

#### NOTE:

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH  $\pmb{\varkappa}$ ).
- ONLY PARTS MARKED WITH ✓ARE AVAILABLE AS BOTH SPARE PARTS OR SERVICEABLE PARTS, FROM **DCV-M1**: **SERVICE KIT (3 & WAY MANUAL VALVES)**. (REFER TO **DCV-M1** EVD FOR FULL PARTS LIST)
- IF ITEM NO. 30 IS ORDERED AS A SPARE PART, THIS ALREADY COMES WITH ITEM NO. 32. THEREFORE THESE ARE NOT REQUIRED TO BE ORDERED SEPERATELY.

## **IMPORTANT**

WHEN ORDERING SPARES YOU MUST STATE THE FULL PART NUMBER AND THE PRODUCT SERIAL NUMBER - FROM THE LABEL TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS.

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200 SERIES PUMP UNIT

SERIAL NUMBERS

PRODUCT NO. TYPE200-24

SHT 1 OF 2 SHTS

**REVISION** 

1 5717 2 5866

3 5939

5

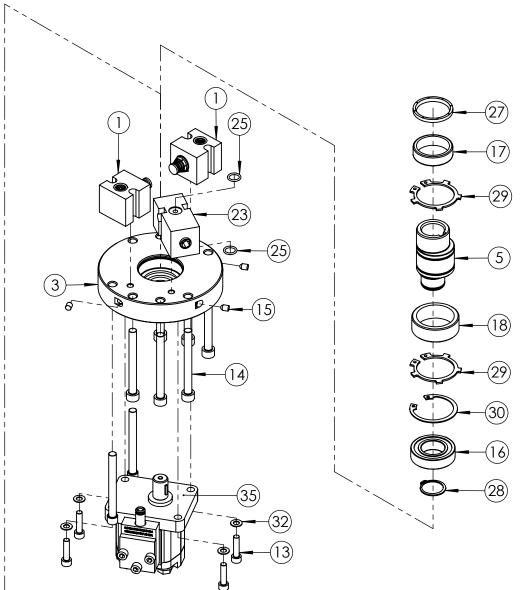
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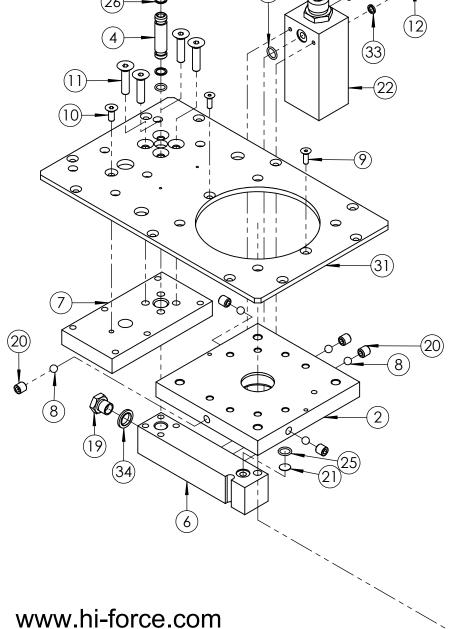
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**IMPORTANT** 

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#### 200 SERIES PUMP UNIT

SERIAL NUMBERS PRODUCT NO. TYPE200-24

SHT 2 OF 2 SHTS

16

17

18 19

20

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS
1	15494-A	PISTON BLOCK ASSEMBLY	2		
2	15497	UPPER PLATE	1		
3	15499	LOWER PLATE	1		
4	15503	CONNECTOR PIPE	1		
5	15505	24mm DRIVE SHAFT	1		
6	17587	TRANSFER BLOCK	1		
7	17588	VALVE PLATE	1		
8	BAC008SN000	Ø8 mm STEEL BALL GRADE 100	5		
9	BLC005HF016	M5 x 16 mm HEX SOCKET COUNTERSUNK SCREW	2		
10	BLC006JE016	M6 x 16 mm HEX SOCKET COUNTERSUNK SCREW	1		
11	BLC008KF035	M8 x 35 mm HEX SOCKET COUNTERSUNK SCREW	4		
12	BLC006JC045	M6 x 45 mm HEX SOCKET CAP HEAD SCREW	2		
13	BLC006JD025	M6 x 25 mm HEX SOCKET CAP HEAD SCREW	4		
14	BLC008KC080	M8 x 80 mm HEX SOCKET CAP HEAD SCREW	6		
15	BPC006RS001	SEALING PLUG	3		
16	BSC025MC001	LOWER PLATE BEARING	1		
17	BSC035NC001	UPPER PLATE BEARING	1		
18	BSC040ND001	ECCENTRIC BEARING	1		
19	FAS006GJ010	1/4" BSP HEX HEAD BLANKING PLUG	1		
20	FAS010MA010	M10 X 10 CUP POINT GRUB SCREW	5		
21	FFC012MA001	SUCTION FILTER	1		
22	HPRV1	HIGH PRESSURE R/VALVE	1		
23	LPRV1	LOW PRESSURE R/VALVE	1		
24	SEC013RA001	O-RING - I.D. 9.25mm, C.S. 1.78mm, NITRILE 90	2		1
25	SEC014RF001	O-RING - I.D. 10.82 mm, C.S. 1.78 mm, NITRILE 90	4		✓

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	RE	VISION
26	SEC013BA001	BACK-UP RING - PTFE, SOLID SPLIT	2		<b>✓</b>	1	5717 5866
27	SEC035WE001	UPPER PLATE OIL SEAL	1			3	
28	STC025AA001	EXTERNAL CIRCLIP - 25 x 1.2 mm D1400/025	1			4	
29	STC040AA001	EXTERNAL CIRCLIP - 40 x 1.75 mm D2100/0400	2			6	
30	STC047BA001	INTERNAL CIRCLIP - 47 x 1.75 mm D1300/0470	1			7	
31	TAC000BA003	COVER PLATE	1			9	
32	WAC006AF000	M6 ZINC WASHER	4			10	
33	WAC006BC001	M6 SPRING ZINC WASHER (SQUARE SECTION)	2			11 12	
34	WAC007HD000	1/4" BSP SELF CENTERING BONDED WASHER	1			13	
35	PMA048GZ001	GP48 GEAR PUMP ASSEMBLY	1			14	
			•		•	13	

#### NOTE:

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH x).
- ONLY PARTS MARKED WITH ✓ARE AVAILABLE AS BOTH SPARE PARTS OR SERVICEABLE PARTS, FROM HEP-SK1 PUMP SERVICE KIT. (REFER TO HEP-SK1: PUMP SERVICE KIT EVD FOR FULL PARTS LIST)
- IF ITEM NO. 23 (LPRV1) IS ORDERED AS A SPARE PART, THIS ALREADY COMES WITH 2 OFF ITEM NO. 25 (SEC014RF001). THEREFORE THESE ARE NOT REQUIRED TO BE ORDERED SPERATELY.
- FOR SUB ASSEMBLIES ITEM NO. 1 (15494-A) & ITEM NO. 35 (PMA048GZ001) REFER TO THEIR INDUVIDUAL EVD'S.

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