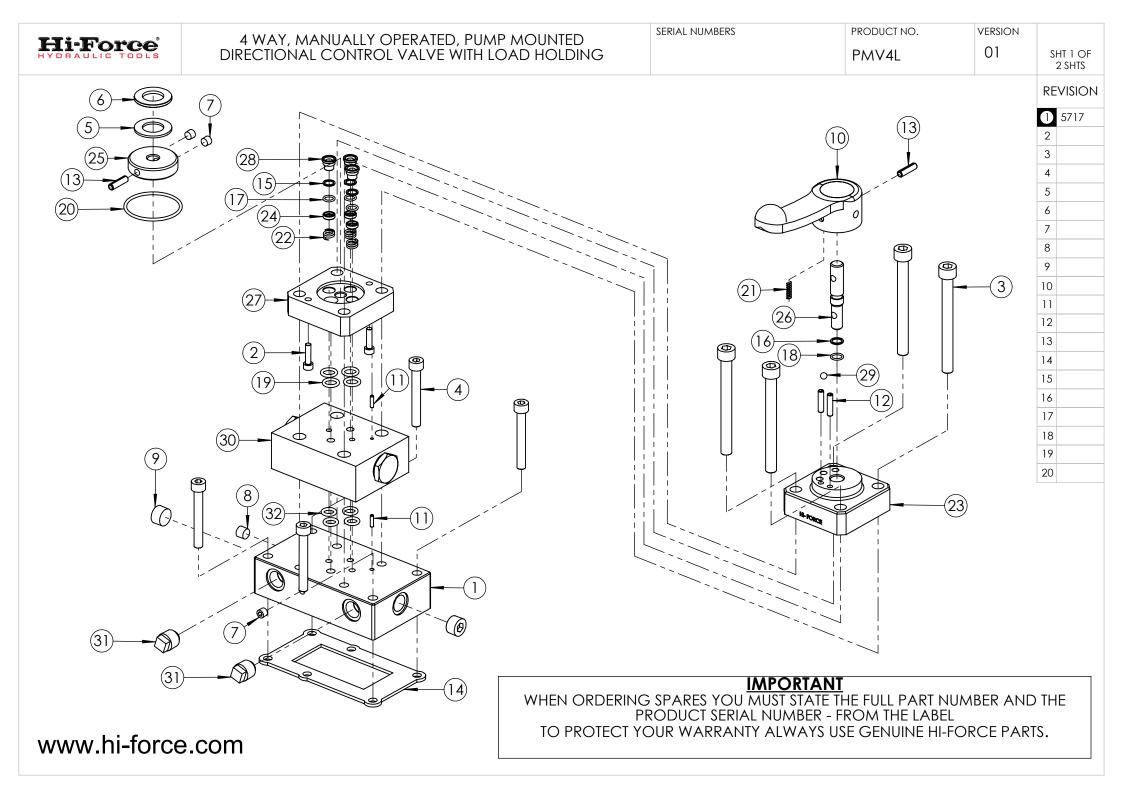


<b>TTTi</b>	-Force	HPP PETROL ENGINE DRIVEN PUMPS						SERIAL NUMBERS	PRODUCT NO.					
HYDRAULIC TOOLS								ALL	HPP21044				SHT 2 OF 2 SHTS	
EM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS		REVISIO	
1	TAC040AS001	40L TANK	1			23	MCC000SB001	QUILL SHAFT ADAPTOR	1				1	
2	15482	TANK GASKET	1	X	1	24	PCC004WC001	SHAFT KEY	1				2 6333	
3	BLC021YT010	SIGHT GLASS HGF.13 BLACK OIL LEVEL INDICATOR	2			25	PCC008KE001	SHAFT KEY	1				3	
4	DCSF00328	DOUBLE SIDED MAGNET	1			26	CSC222AS001	ENGINE FLANGE	1				5	
5	NUC021-B000	1/2" BSP LOCK NUT	2			27	BLC010LB035	M10 x 35 SOCKET CAP HEAD SCREW	4				6 7	
6	FPC013PC001	1/2" BSP PLUG - HEX SOCKET	1			28	WAC010AB000	M10 ZINC PLATED FLAT WASHER	7				8	
7	TYPE200-24	200 SERIES PUMP UNIT	1			29	WAC010BZ000	M10 SPRING WASHER	7				9 10	
8	FFC028PZ001	FILLER/BREATHER	1			30	BLC010LB050	M10 x 50 SOCKET CAP HEAD SCREW	3				11	
9	BPC025KP001	1" SQ RIBBED INSERT BLACK	4			31	FAS005ME010	SOCKET CUP PT SCREW M5 x 10	1				12	
10	Secoo1ktoo3	GASKET	1	X	1	32	MCC000PT001	THROTTLE	1				13 14	
11	PE1_4.5	PETROL MOTOR	1			33	BLC006JD065	M6 X 65 HEX SOCKET CAP HD SCREW	2				15	
12	BLC005HF020	M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW	10			34	WAC006AF000	M6 ZINC WASHER	4				16 17	
13	FPC013AC002	FEED PIPE	1			35	NUC006JC000	M6 NYLOK NUT	2				18	
14	FFC045MZ001	FILTER	1										19	
15	TAC000PA001	160 mm LONG SUCTION PIPE	1			NOTE:								
16	SFC065FA002	BLANKING PLATE	1					AVAILABLE TO BE ORDERED	) AS II		UAL SP	ARE PA	RTS	
17	AAN000UP001	60 x 30 mm UNIVERSAL NAME PLATE	1	X		(UN	ILESS MARKE	D WITH <b>X</b> .)						
18	FAS002HZ001	NO.4 x 3/16 HAMMER DRIVE SCREW	2			- ALL PARTS MARKED WITH <b>√</b> ARE AVAILABLE SERVICEABLE PARTS FOUND IN:								
19	PMV4L	4 WAY, MANUALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE WITH LOAD HOLDING	1			- SERVICE KIT <b>HEP-SK1</b> - FOR SUB ASSEMBLIES (ITEM NO.S 7 & 19) PLEASE REFER TO THEIR INDIVIDUAL EVD's.								
20	FPC010PN001	3/8 NPT BLANKING PLUG	1			]								
21	15480	ROLL FRAME	1			1,			_					
22	BLC008KD016	M8 x 16 mm HEX SOCKET CAP HEAD SCREW	4			∬		<b>IMPORTAN</b> G SPARES YOU MUST STATE T		ΙΙΙ ΡΔΙ		RFR AN	D THE	



# **Hi-Force**

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

SERIAL NUMBERS

PRODUCT NO.

VERSION	
01	SHT 2 OF

10 11

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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		✓
15	SEC011BA001	BACK UP RING	3		✓
16	SEC012BA002	BACK UP RING	1		✓
17	SEC011RA001	O-RING - I.D. 8.10 mm, C.S. 1.6 mm, NITRILE 90	3		~
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		~
20	SEC049RF001	O-RING - I.D. 48.90 mm, C.S. 2.62 mm, NITRILE 90	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		

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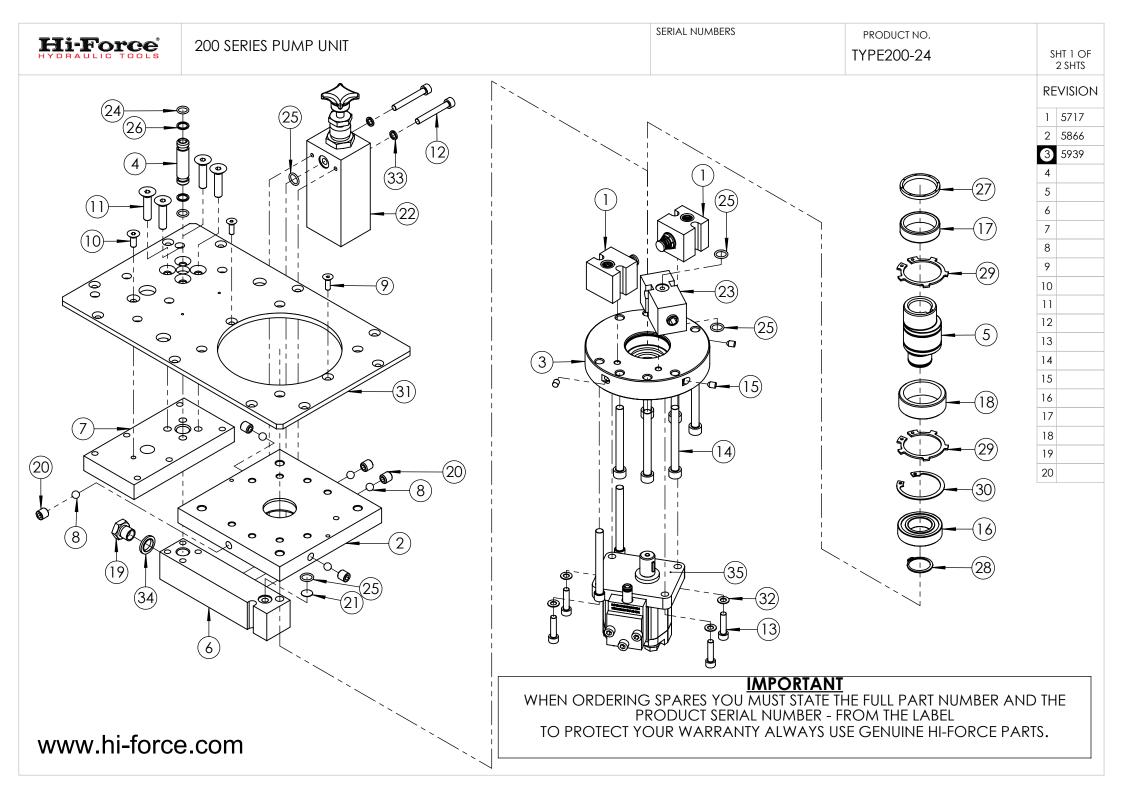
				PMV4L		C	)]		ht 2 Of 2 Shts
ITEM NO.	PART N	UMBER	DESCRIPTION			SPARE PARTS	SERVICE PARTS	RE	VISION
26	26 VFC000SR002		SPINDLE					0	5717
27	27 VFC000ST001		SHEAR SEAL PLATE					2	
28	3 VFC000SU001		SHEAR SEAL					3	
29	BAC006SN000		Ø6 mm STEEL BALL		1			4	
30	V-8	245	DUAL CHECK VALVE					5	
31	BPC010	OSP004	3/8 NPT PLASTIC BLAN (RED)	IKING PLUG	2			6 7	
32	SEC014	RA001	O-RING - I.D. 9.19mm, (	C.S. 2.62mm,	4		✓	8	
			NITRILE 90				-	9	

## 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 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.



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		~
25	SEC014RF001	O-RING - I.D. 10.82 mm, C.S. 1.78 mm, NITRILE 90	4		~

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#### 2 SHTS ITEM SPARE SERVICE REVISION PART NUMBER QTY DESCRIPTION PARTS PARTS NO. BACK-UP RING - PTFE, SOLID 1 5717 SEC013BA001 2 26 1 SPLIT 2 5866 27 SEC035WE001 UPPER PLATE OIL SEAL 1 3 5939 EXTERNAL CIRCLIP - 25 x 1.2 4 28 STC025AA001 mm D1400/025 5 EXTERNAL CIRCLIP - 40 x 1.75 2 29 STC040AA001 6 mm D2100/0400 7 INTERNAL CIRCLIP - 47 x 1.75 30 STC047BA001 1 mm D1300/0470 8 31 COVER PLATE 9 TAC000BA003 1 32 WAC006AF000 M6 ZINC WASHER 4 10 M6 SPRING ZINC WASHER 11 2 33 WAC006BC001 (SQUARE SECTION) 12 1/4" BSP SELF CENTERING 13 34 WAC007HD000 1 BONDED WASHER 14 35 PMA048GZ001 GP48 GEAR PUMP ASSEMBLY 1 15

PRODUCT NO.

**TYPE200-24** 

#### NOTE:

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH **X**).

SERIAL NUMBERS

- 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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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.

SHT 2 OF

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18 19

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