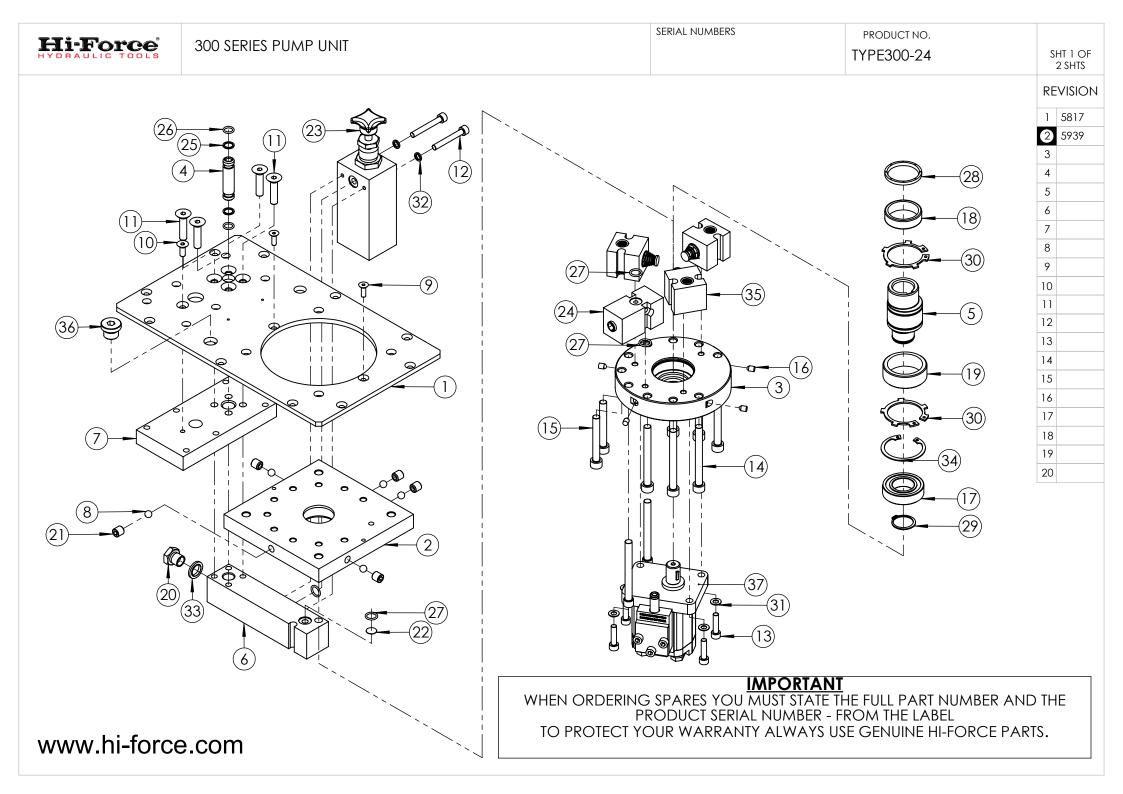


H	Hi-Fore	e 110V 50 Hz - 1Ph, TWO STA PUMP C/W SOLE				N, HIGH FLOW	serial numbers FROM BR 6179	PRODUCT NO. HEP410441S	SHT 2 OF 2 SHTS
TEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS				REVISIO
1	TAC040AS004	40 L TANK	1						1 5908
2	TYPE300-24	300 SERIES PUMP UNIT	1						2
3	EMA110UF002	MOTOR STARTER ASSEMBLY	1						3
4	EMA024TB001	POWER SUPPLY ASSY	1						
5	PMV4SD	4 WAY, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE	1						4 5 6
6	BLC021YT010	SIGHT GLASS HGF.13 BLACK OIL LEVEL INDICATOR	2						7
7	DCSF00328	DOUBLE SIDED MAGNET	1						8
8	FFC028PZ001	FILLER/BREATHER	1						9
9	FPC013PC001	1/2" BSP PLUG - HEX SOCKET	1						10
10	NUC021-B000	1/2" BSP LOCK NUT	2						11
11	TAC000FS002	MODULAR ELECTRIC TRAY	1						12
12	WAC008AB000	M8 PLAIN WASHER	4						13
13	NUC008KC000	M8 NYLOC NUT	4						14
14	EM110-1.1-4LAF	AMME (HIGH STARTING TORQUE), POWER 1.1kw, SPEED 4 POLE	1						15
15	SEC001KT003	GASKET	1		$\checkmark$				16
16	FAS010MW050	M10 x 50 DOUBLE ENDED THREADED STUD	4						17
17	WAC010AB000	M10 ZINC PLATED FLAT WASHER	4						18
18	NUC010LC000	M10 NYLOC NUT	4			NOTE:			19
19	NUC020LS002	GLAND 6-12MM	1						20
20	AAN000UP001	60 x 30 mm UNIVERSAL NAME PLATE	1	×		- ALL PARTS ARE A	AVAILABLE TO BE ORDERED	) as spare parts (unless marked	
21	FAS002HZ001	NO.4 x 3/16 HAMMER DRIVE SCREW	2			WITH <b>x</b> ).			
22	TAC000PA001	160 mm LONG SUCTION PIPE	1						
23	FPC013AC002	FEED PIPE	1					LE AS BOTH SPARE PARTS OR	
24	FFC045MZ001	FILTER	1					ERVICE KIT. (REFER TO HEP-SK1:	
25	BLC005HF020	M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW	10				TEVD FOR FULL PARTS LIST)		
26	15482	TANK GASKET	1		✓	- FOR SUB ASSEME	BLIES (ITEM NO.S 2, 3, 4 & 5)	REFER TO THEIR INDUVIDUAL EVD's.	
*	SFC065FA002	BLANKING PLATE	1						

### 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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Н	YDRAULIC TO	300 SEKIES PUMP UNII			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS
1	ТАС000ВА003	COVER PLATE	1		
2	PMC000UM001	UPPER PLATE	1		
3	PMC000LF001	LOWER PLATE	1		
4	15503	CONNECTOR PIPE	1		
5	15505	24mm DRIVE SHAFT	1		
6	17587	TRANSFER BLOCK			
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	BLC008KC060	M8 x 60 mm HEX SOCKET CAP HEAD SCREW	2		
16	BPC006RS001	SEALING PLUG	4		
17	BSC025MC001	LOWER PLATE BEARING	1		
18	BSC035NC001	UPPER PLATE BEARING	1		
19	BSC040ND001	ECCENTRIC BEARING	1		
20	FAS006GJ010	1/4" BSP HEX HEAD BLANKING PLUG	1		
21	FAS010MA010	M10 X 10 CUP POINT GRUB SCREW	5		
22	FFC012MA001	SUCTION FILTER	1		
23	HPRV1	HIGH PRESSURE R/VALVE	1		
24	LPRV1	LOW PRESSURE R/VALVE	1		
25	SEC013BA001	BACK-UP RING - PTFE, SOLID SPLIT	2		$\checkmark$
26	SEC013RA001	O-RING - I.D. 9.25mm, C.S. 1.78mm, NITRILE 90	2		✓
27	SEC014RF001	O-RING - I.D. 10.82 mm, C.S. 1.78 mm, NITRILE 90	4		✓

300 SERIES PUMP UNIT

#### **TYPE300-24** SHT 2 OF 2 SHTS SPARE SERVICE ITEM PART NUMBER DESCRIPTION QTY REVISION NO. PARTS PARTS 28 SEC035WE001 UPPER PLATE OIL SEAL 1 1 5817 EXTERNAL CIRCLIP - 25 x 1.2 mm 29 STC025AA001 1 2 5939 D1400/025 3 EXTERNAL CIRCLIP - 40 x 1.75 mm 30 2 STC040AA001 D2100/0400 4 31 WAC006AF000 M6 ZINC WASHER 4 5 M6 SPRING ZINC WASHER (SQUARE 2 32 WAC006BC001 6 SECTION) 1/4" BSP SELF CENTERING BONDED 7 33 WAC007HD000 1 WASHER 8 INTERNAL CIRCLIP - 47 x 1.75 mm 34 STC047BA001 1 9 D1300/0470 35 PISTON BLOCK ASSEMBLY 3 15494-A 10 36 11 FPC010PB001 3/8" BSP BLANKING PLUG 1 12 37 PMA060GZ001 GP60 GEAR PUMP ASSEMBLY 1 13

PRODUCT NO.

18 19

20

#### 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. 24 (LPRV1) IS ORDERED AS A SPARE PART, THIS ALREADY COMES WITH 2 OFF ITEM NO.27 (SEC014RF001). THEREFORE THESE ARE NOT REQUIRED TO BE ORDERED SEPERATELY.

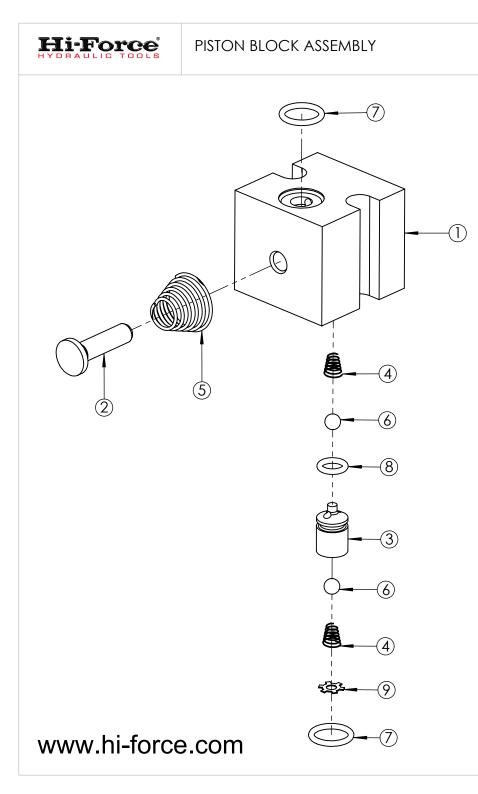
- FOR SUB ASSEMBLIES - ITEM NO. 35 (**15494-A**) & ITEM NO. 37 (**PMA060GZ001**) REFER TO THEIR INDUVIDUAL EVD's.

## 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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	_									
		SERIAL NUMBERS		PRODUCT NO.			VE	RSION		
				15494-A			(	)1		ht 1 Of 1 Shts
ITE NC	M D.	PART NUMBER	DESCRIF	PTION	QTY.	SPAI PAR		SERVICE PARTS	RE	VISION
1		15494	PISTON B	1	X			1	5717	
2	2	15495	PISTO	N	1	X			2	5866
3	3	15496	VALVE	SEAT	1	X		3		
4	1	15509	SUCTION/DELIV	/ery spring	2	X			4	
5	5	15508	PUMP SF	PRING	1	X			5	
6	, >	BAC005SN000	Ø5 mm STEEL E 100		2	x			6	
7	7	SEC014RF001	O-RING - I.D. C.S. 1.78 mm		2			✓	8	
8	3	SEC010RA001	O-RING - I.D. 6 1.78 mm, N		1	X			9 10	
9	)	STC008SA001	N1305-0031 SE RIN(		1	X			11	
L									12	

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14 15

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### <u>NOTE:</u>

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH  $\mathbf{X}$ ).
- 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).

### 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. Hi-Force GP60 GEAR PUMP ASSEMBLY 9 11 8  $\frown$ 3  $\subset$ 0 ▣ Ø 0 E) 0 0 5 2 10 5 6

PMA060GZ001 SHT 1 OF 3 SHTS ITEM SPARE SERVICE PART NUMBER QTY. REVISION DESCRIPTION PARTS NO. PARTS GP60 GEAR PUMP 1 1 5939 2 PMC000TM001 TRANSFER PLATE 1 2 3 15510C CONNECTOR TUBE 1 3 O-RING - I.D. 6.35 mm, C.S. 4 SEC010RA001 2 1 4 1.78 mm, NITRILE 70 5 O-RING - I.D. 15.60, C.S. 5 SEC019RF002 2  $\checkmark$ 6 1.78mm, NITRILE 90 7 6 PMC000XM001 SEALING PLATE 1 8 M6 x 30 mm HEX SOCKET CAP BLC006JD030 3 7 **HEAD SCREW** 9 8 15507 ADAPTOR 1 10 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 11 M8 X 80 HEX SOCKET 12 REDUCED CAP HEAD SCREW 10 FAS008SP080 2 13 (FULLY THREADED) 14 GEAR PUMP ELBOW (INC 11 FPA013DC001 X WITH GEAR PUMP) 15 16

17

18 19

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PRODUCT NO.

#### NOTE:

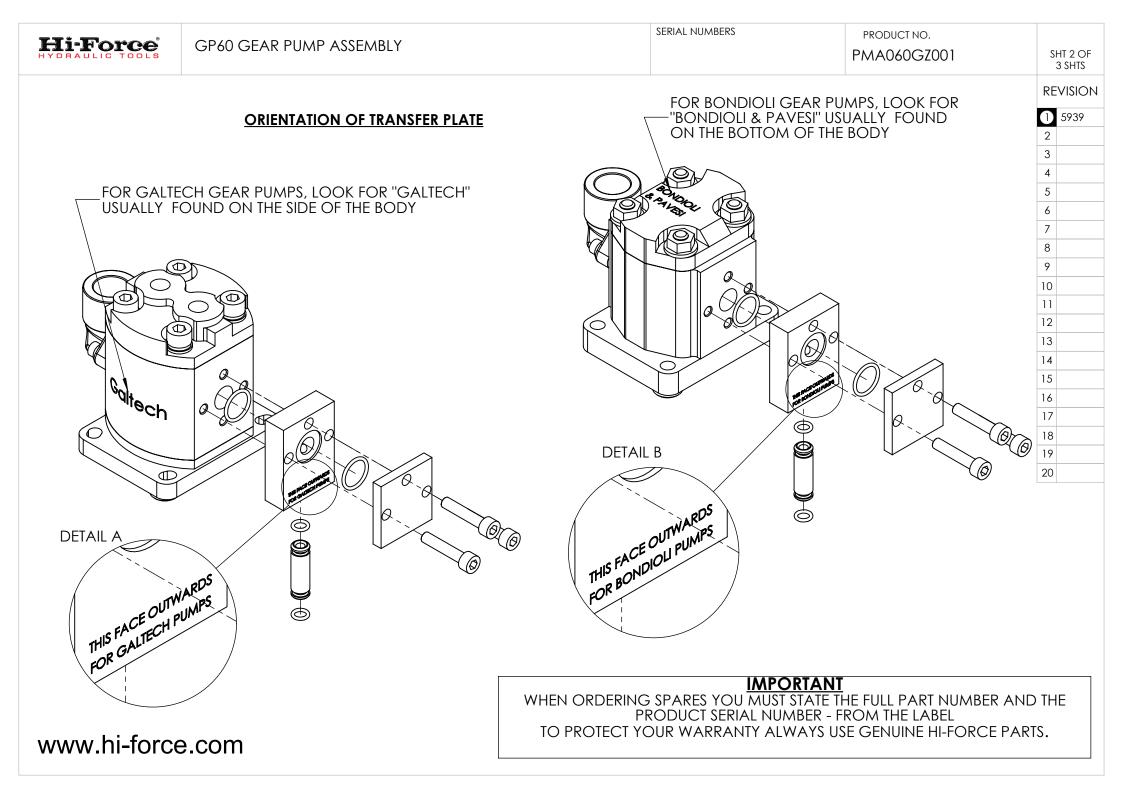
SERIAL NUMBERS

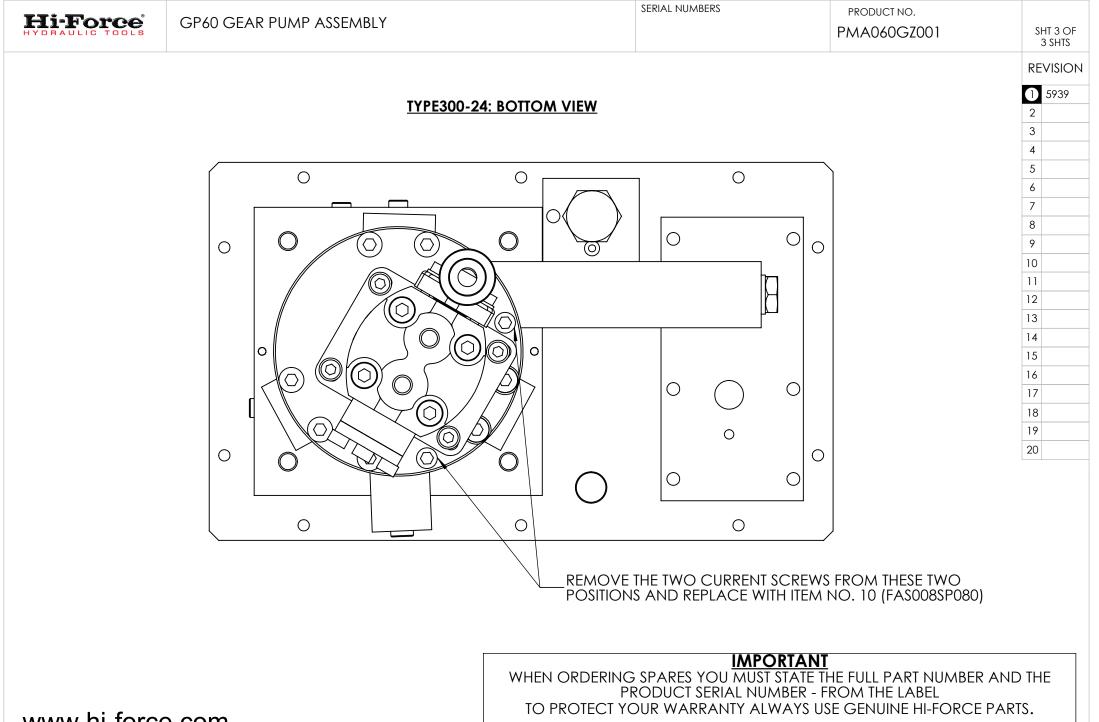
- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH **X**)
- ONLY PARTS MARKED WITH ✓ARE AVAILABLE AS BOTH SPARE PARTS OR SERVICEABLE PARTS, FROM HEP-SK1 PUMP SERVICE KIT. (REFER TO HEP-SK1: PUMP SERVICE KIT EVD FOR FULL PARTS LIST)
- THE ORIENTATION OF ITEM NO. 2 (PMC000TM001) IS DETERMINED BY THE BRAND OF THE GP60 GEAR PUMP SUPPLIED (REFER TO SHEET 2 FOR FURTHER DETAILS)
- ITEM NO. 10 (FAS008SP080) ARE TO REPLACE TWO SCREWS (BLC008KC080)ON THE TYPE300-24, PRIOR TO FITTING PMA060GZ001 (REFER TO SHEET 3 FOR FURTHER DETAILS)
- INDIVIDUAL ITEMS ARE NOT AVAILABLE AS SPARE PARTS FOR HEP PUMPS WITH SERIAL NUMBERS EARLIER THAN **BR9070**. GP60 GEAR PUMP ASSEMBLY (PMA060GZ001) WILL NEED TO BE ORDERED. INDIVIDUAL ITEMS APART FROM ITEM NO. 11 ARE AVAILABLE AS SPARE PARTS FOR HEP PUMPS WITH SERIAL NUMBERS ABOVE **BR9070**

### 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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			S	SERIAL NUMBERS	PRODUCT NO.	N	/ersion	
Hi-Force	MOTOR STARTER ASSEMBLY				EMA110UF00	)2	01	SHT 1 OF 1 SHTS
	$\sim$	ITEM NO.	PART NUMBER	DESCRIPTIO	N	QTY.	SPARE PARTS	REVISION
		1	EMC000EF001	ENCLOSURE WITH PUSH E	BUTTONS P1MT	1		1 5717
		2	EMC110KF001	CONTACTOR 110	) VOLT	1		2
		3	EMC230RF001	OVERLOAD RELAY 1	3-18 AMPS	1		3
		4	EMC110XF001	BRIDGING BA	٩R	1		4
		5	NUC020LS002	GLAND 6-12M	лм	2		5
/		6	CEC250CC000	3 CORE CABLE 2.5mm^2	H07RN-F3G 2.5	1		6
(		7	CEC250CC000	3 CORE CABLE 2.5mm^2	H07RN-F3G 2.5	1		7
	(12)	8	CEC250AC000	SINGLE CORE TR-RATED C	CABLE 2.5 mm2	1		8
		9	BLC004JD016	M4 X 16 HEX SOCKET, CA		2		9
(13)		10	WAC004YB000	M4 WASHER		2		10
		11	MCC110EP001	110V PLUG		1		11
2		12	CEC250SX001	BOOTLACE FERRULE (INSU GREY	JLATED) 2.5mm	8		12
		13	CEC250SX002	TWIN BOOTLACE FERRI	JLE 2.5 mm <sup>2</sup>	3		14
			NOTE: - ALL PARTS AR (UNLESS MAR	E AVAILABLE TO BE ORDEREL (ED WITH <b>X</b> ).	D AS SPARE PART	S		16       17       18       19       20
www.hi-force	e.com		PRC	IMPORTAN SPARES YOU MUST STATE T DDUCT SERIAL NUMBER - JR WARRANTY ALWAYS U	THE FULL PART N FROM THE LABI	EL		

<b>***</b>			SERIAL I	NUMBERS		PRODUCT NO.	VERSION	
HI-Force	POWER SUPPLY ASSY					EMA024TB001	01	SHT 1 OF 1 SHTS
			ITEM NO.	PART NUMBER		DESCRIPTION	QTY. SPAR	
9			1	EMC000XZ001		DIN RAIL	1	1 5717
	<b>1</b>		2	EMC024TB001	POWE	ER SUPPLY 24 V DC	1	2
			3	EMC000NZ001	TE	RMINAL BLOCK	5	3
			4	EMC000NZ002	EARTH	I TERMINAL BLOCK	1	4
			5	EMC024EB002	DRIL	LED ENCLOSURE	1	- 6
			6	NUC016LS001	M1	6 CABLE GLAND	3	7
			7	NUC020LS002	G	LAND 6-12MM	2	8
			8	EMC000VZ002	HAND I ON	PENDANT (PENDANT NLY, NO CABLE)	1	9
		λ	9	BLC004JD016	M4 x 1 CA	6 mm HEX SOCKET P HEAD SCREW	4	10 11
//		)	10	WAC004YB000	Ν	14 WASHER ST	4	12
			11	FAS003TV001	M3 :	x 5 FORM SCREW	2	13
// (			12	CEC150DC000	4 COI	RE CABLE 1.5 mm2 107RN-F 4G1.5	1	14
			13	CEC150CC000	3 C C	DRE 1.5mm CABLE	1	16 17
$\sim$			14	CEC075CC000	3 CO	RE 0.75mm CABLE	2	18 19
		WHEN ORDERING	- A P. 7)	ARTS (UNLESS M)	ARKED V			20 ) THF
www.hi-force	e.com	PR	ODUC	CT SERIAL NUM	BER - F	ROM THE LABEL		



#### 4 WAY, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE

(15)8 14) ً⊘ 12 6 Ð A 9 www.hi-force.com

		SERIAL NUMBERS PI	RODUCT NO.					
_VE	EM. IO.         PART NUMBER         DESCRIPTION         QTY.         SPAR PAR           1         VFC010BT003         VALVE BASE         1         1           2         V-8255         CHECK VALVE         1         1           3         BLC006FC055         1/4" x 2 1/4" UNC HEX SOCKET CAP HEAD SCREW         4         1           4         BLC008KC060         M8 x 60 mm HEX SOCKET CAP HEAD SCREW         6         6           5         PCC003RB006         Ø3 x 12 mm SELLOCK PIN         1         1           6         FPC006PN002         1/4 NPT x 7/8 TAPER PLUG         1         1           7         FPC003PN001         1/8" x 3/4" NPT TAPER DRY SEAL PRESS PLUG         3         3           8         VFA000CE005         DIRECTIONAL CONTROL VALVE - TANDEM CENTRE 24V DC         1         1           9         SEC057RA001         O-RING - I.D. 50.39 mm, C.S. 3.53 mm         1         1	)			ht 1 Of 1 Shts			
ITEM NO.	PART NUMBER	DESCRIPTION	Q	RTY. F	PARE PARTS	SERVIC E PARTS	RE	VISION
1	VFC010BT003	VALVE BASE		1			1	5717
2	V-8255	CHECK VALVE		1			2	6165
3	BLC006FC055	1/4" x 2 1/4" UNC HEX SOCKET CAP HEAD SC	CREW	4			3 4	
4	BLC008KC060	M8 x 60 mm HEX SOCKET CAP HEAD SCRE	EW	6			5	
5	PCC003RB006	Ø3 x 12 mm SELLOCK PIN		1			6	
6	FPC006PN002	1/4 NPT x 7/8 TAPER PLUG		1			7	
7	FPC003PN001	1/8" x 3/4" NPT TAPER DRY SEAL PRESS PLU	IG	3			8 9	
8	VFA000CE005		ITRE 24V	1			9 10	
9	SEC057RA001	O-RING - I.D. 50.39 mm, C.S. 3.53 mm		1		$\checkmark$	11	
10	WAC006BC001	M6 SPRING ZINC WASHER (SQUARE SECTIO	DN)	4			12	
11	BPC010SP004	3/8 NPT PLASTIC BLANKING PLUG (RED)		2			13 14	
12	SEC011RF001	O-RING, I.D. 7.66 mm, C.S. 1.78 mm, NITRILI	E 90	4		✓	14	
13	SEC011RF002	O-RING - I.D. 7.66 mm, C.S. 1.78 mm, VITON 90 (	(BROWN)	3		✓	16	
14	SEC014RF002	O-RING - I.D. 10.82 mm C.S. 1.78 mm, VITON 90	(BROWN)	1		$\checkmark$	17	
15	EMC240NE001	BLACK RECTANGULAR POWER CONNECT	OR	2			18	
16	FPC010PN002	3/8" X 7/8" NPT SOCKET PLUG		1			19	
	1	1					20	

### NOTE:

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- 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-S1: SERVICE KIT (SOLENOID VALVE) (REFER TO DCV-S1 EVD FOR FULL PARTS LIST).

- IF ITEM NO. 2 IS ORDERED AS A SPARE PART, THIS ALREADY COMES WITH ITEM NO. 12. THEREFORE THESE ARE NOT REQUIRED TO BE ORDERED SEPERATELY.

- IF ITEM NO. 8 IS ORDERED AS A SPARE PART, THIS ALREADY COMES WITH ITEM NO.S 13 & 14. 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.

Hi-Force	PUMP SERVI	CE KIT		SERIAL NUMBE	ERS		PRODUCT NO. HEP-SK1		SHT 1 OF 1 SHTS
	1			ľ	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	
					1	15482	TANK GASKET	1	1 5717
					2	SEC010RA001	O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 70	2	<ol> <li>2 5939</li> <li>3</li> </ol>
			(1)		3	SEC014RF001	O-RING - I.D. 10.82 mm, C.S. 1.78 mm, NITRILE 90	10	
					4	SEC013RA001	O-RING - I.D. 9.25mm, C.S. 1.78mm, NITRILE 90		6
			e		5	SEC019RF002	O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90	2	7 8
						SEC013BA001	BACK-UP RING - PTFE, SOLID SPLIT	2	9
		0			7	SEC001KT003		1	10
								1	12
		lø ®							13
		000							14
$\overline{\mathcal{O}}$			l						15 16
		0 0 0							17
			le					1	18
	0	<b>q 2</b>		$\downarrow$					19 20
		6						L	20
www.hi-force	e.com		PR	ODUCT SE	YOU Seria	al number - F	<b>I</b> The full part number <i>A</i> FROM THE LABEL ISE GENUINE HI-FORCE P		

Hi-Force	SERVICE KIT (SOLENOID VALVE)			SERIAL N	IUMBERS	PRODUCT NO.	VERSI	ЛС	
YDRAULIC TOOLS	SERVICE KII (SOLEINOID VALVE)					DCV-S1	0	1	Sht 1 Oi 1 Shts
			ITEM NO.	PART NUMBE	R	DESCRIPTION		QTY.	REVISIC
			1	SEC014RF002	2 O-RING - I.D. 1	0.82 mm C.S. 1.78 mm, V (BROWN)	(ITON 90	1	<ol> <li>5717</li> <li>2</li> </ol>
			2	SEC011RF002					3
		(5)	3	SEC011RF00	I O-RING, I.D. 7.	.66 mm, C.S. 1.78 mm, NI	TRILE 90	4	5
			4	SEC006RA00	2 O-RING - I.D. 2	2.9 mm, C.S. 1.78mm, NI	TRILE 70	1	6
			5	SEC057RA00	1 O-RING - I	I.D. 50.39 mm, C.S. 3.53 r	nm	1	7
					ŀ				8
									9
			$\geq$						10 11
				$\backslash$					12
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		$\searrow$							14
	(2)	$\bigcirc$							15
			$\searrow$	$\mathcal{T}$					16
									17 18
									19
(3)									20
				PRODUC	ct serial nume	TANT FATE THE FULL PART NU BER - FROM THE LABEL AYS USE GENUINE HI-F			

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TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARIS.