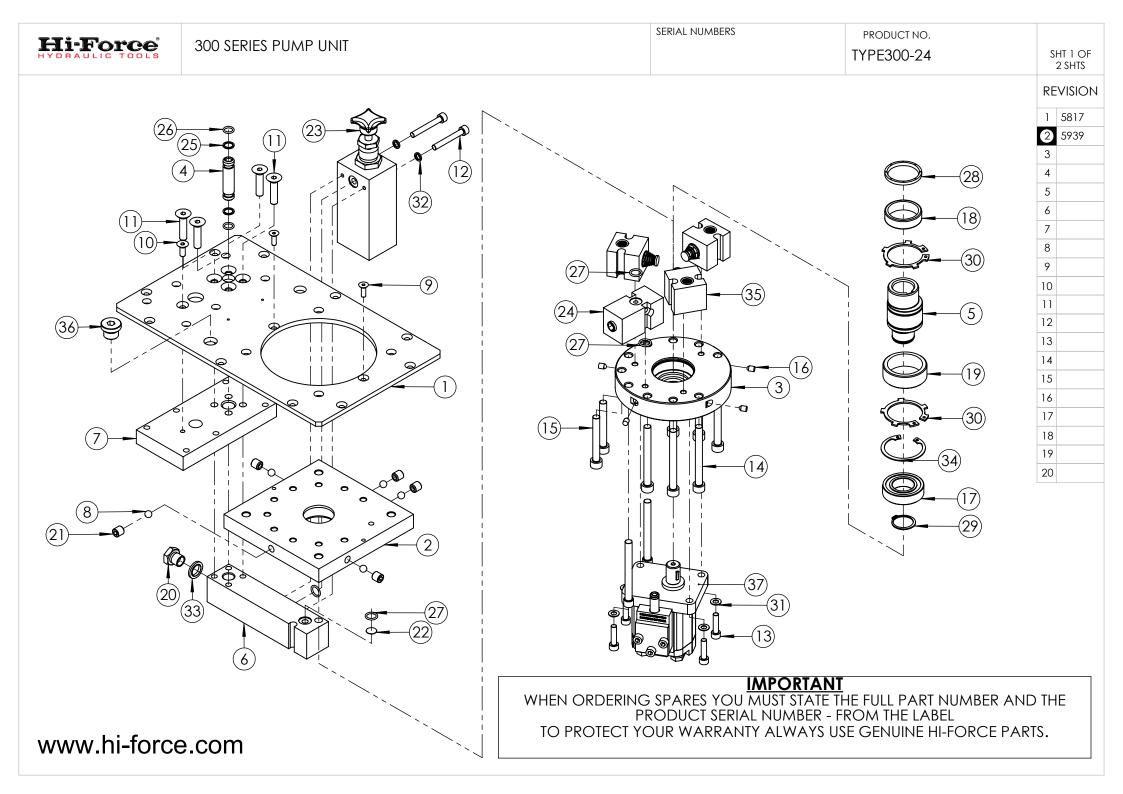


							SERIAL NUMBERS	PRODUCT NO.	
H Y	Hi-Force	230V 50 Hz - 1 Ph, TWO STAGI	e, ele	CTRIC [	DRIVEN, H	GH FLOW PUMP	FROM BR 6179	HEP410242	SHT 2 OF 2 SHTS
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS				REVISION
1	TAC040AS004	40 L TANK	1						1 5908
2	TYPE300-24	300 SERIES PUMP UNIT	1						2
3	EMA230UE001	MOTOR STARTER ASSEMBLY 230V	1						3
4	PMV2	2 WAY, MANUALLY OPERATED PUMP MOUNTED DIRECTIONAL CONTROL VALVE	1						4 5
5	DCSF00328	DOUBLE SIDED MAGNET	1						6
6	BLC021YT010	SIGHT GLASS HGF.13 BLACK OIL LEVEL INDICATOR	2						7 8
7	FFC028PZ001	FILLER/BREATHER	1						9
8	FPC013PC001	1/2" BSP PLUG - HEX SOCKET	1						10
9	NUC021-B000	1/2" BSP LOCK NUT	2						11
10	TAC000FS002	MODULAR ELECTRIC TRAY	1						12
11	WAC008AB000	M8 PLAIN WASHER	4						12
12	NUC008KC000	M8 NYLOC NUT	4						13
13	EM230-1.5-4LAF	ELECTRIC MOTOR 1.5KW 230VAC	1						
14	SEC001KT003	GASKET	1		✓				15
15	BLC010LB035	M10 x 35 mm HEX HEAD BOLT, ZINC PLATED	4						16 17
16	WAC010AB000	M10 ZINC PLATED FLAT WASHER	4						18
17	WAC010BZ000	M10 SPRING WASHER	4						19
18	NUC020LS002	GLAND 6-12MM	1						20
19	AAN000UP001	60 x 30 mm UNIVERSAL NAME PLATE	1	X		<u>NOTE:</u>			L
20	FAS002HZ001	NO.4 x 3/16 HAMMER DRIVE SCREW	2						
21	TAC000PA001	160 mm LONG SUCTION PIPE	1			- ALL PARTS ARE WITH <b>X</b> ).	E A VAILABLE TO BE ORDERED	AS SPARE PARTS (UNLESS MARKED	
22	FPC013AC002	FEED PIPE	1			•••••• <b>•</b> <i>•</i>			
23	FFC045MZ001	FILTER	1			- ONLY PARTS M	IARKED WITH 🖌 ARE AVAILABI	LE AS BOTH SPARE PARTS OR	
24	BLC005HF020	M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW	10				ARTS, FROM <b>HEP-SK1 PUMP S</b> KIT EVD FOR FULL PARTS LIST)	ERVICE KIT. (REFER TO HEP-SK1:	
25	15482	TANK GASKET	1		✓				
*	SFC065FA002	BLANKING PLATE	1			- FOR SUB ASSEM	MBLIES (ITEM NO.S 2, 3 & 4) R	EFER 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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	YDRAULIC TO	JLS		00.00	050 // 05
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE  PARTS	SERVICE PARTS
1	TAC000BA003	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	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	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	FA\$006GJ010	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		✓
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

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### 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.

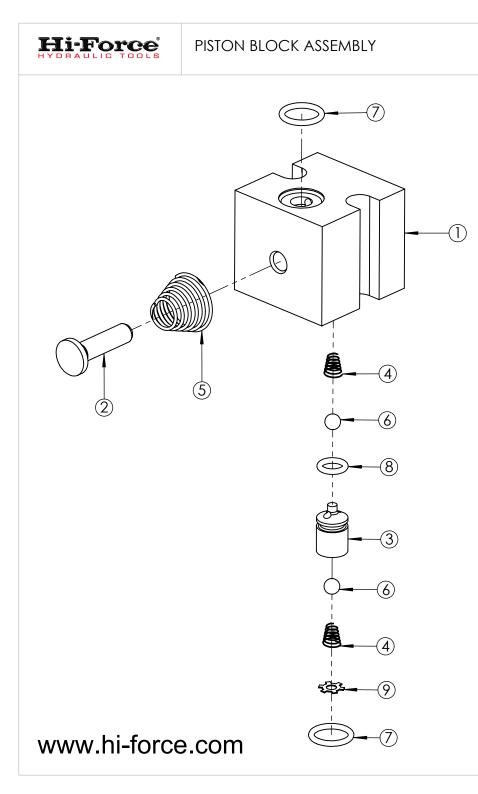
- FOR SUB ASSEMBLIES - ITEM NO. 35 (**15494-A**) & ITEM NO. 37 (**PMA060GZ001**) REFER TO THEIR INDUVIDUAL EVD's.

## 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.			VERSION			
				15494-A			01			ht 1 Of 1 Shts
ITE NC	M D.	PART NUMBER	DESCRIF	PTION	QTY.	SPAI PAR		SERVICE PARTS	RE	VISION
1		15494	PISTON B	BLOCK	1	X			1	5717
2	2	15495	PISTO	N	1	X	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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### <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.

					PMA060	OGZO	001			ht 1 Of 3 Shts
	ITEM NO.	PAI	rt number	DESCRIPTIO	Ν	QTY.	SPARE PARTS	SERVICE PARTS	RE	VISION
	1		GP60	GEAR PUM	C	1			0	5939
	2	PM	C000TM001	TRANSFER PLA	<b>NTE</b>	1			2	
	3		15510C	CONNECTOR 1	UBE	1			3	
	4	SEC	C010RA001	O-RING - I.D. 6.35 r 1.78 mm, NITRIL		2		<	4	
	5	SEC	C019RF002	O-RING - I.D. 15.6 1.78mm, NITRIL		2		~	6	
	6	PM	C000XM001	SEALING PLA	TE	1			7	
	7	BLC	C006JD030	M6 x 30 mm HEX SO HEAD SCRE		3			8 9	
	8		15507	ADAPTOR		1			10	
	9	PCC	C002WC001	KEY TO FIT 200/300	PUMPS	1			11	
	10			M8 X 80 HEX SO					12	
	10	FA	S008SP080	REDUCED CAP HEA (FULLY THREAD		2			13	
	11	FPA	A013DC001	GEAR PUMP ELBO		1	x		14	
	• •	,		WITH GEAR PU	MP)		^		15	
N	DTE:								16	
									17	

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PRODUCT NO.

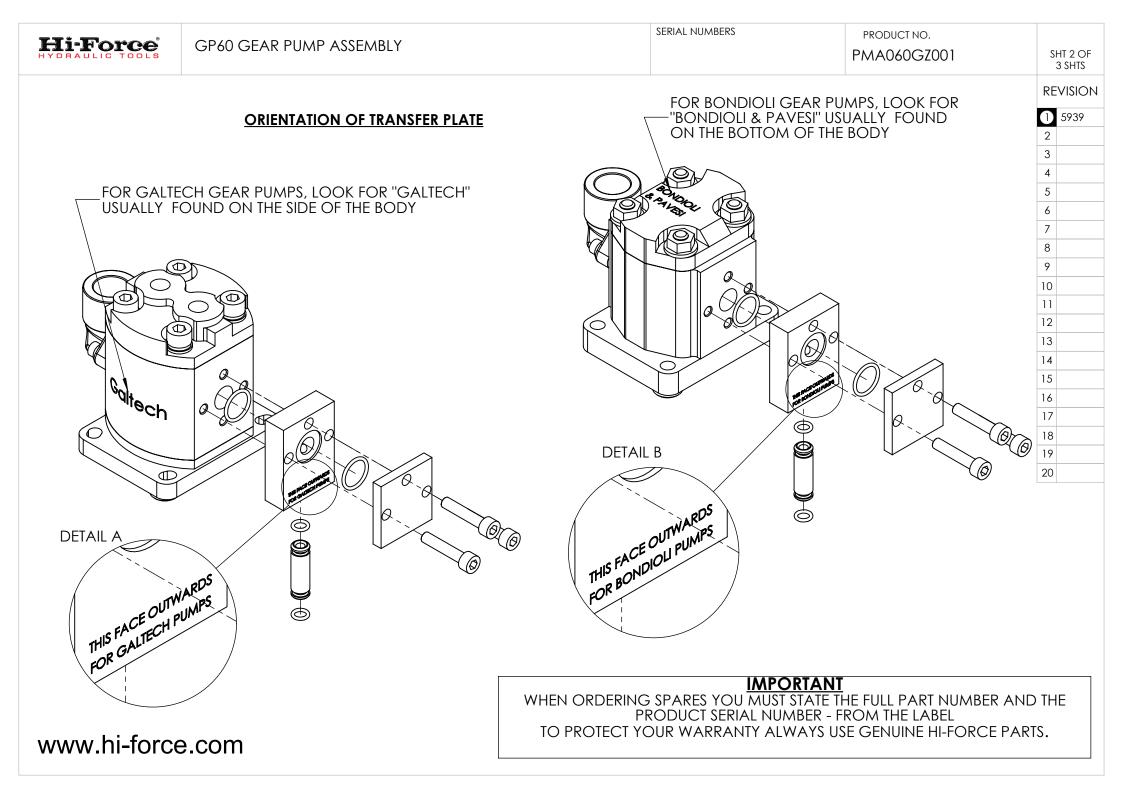
SERIAL NUMBERS

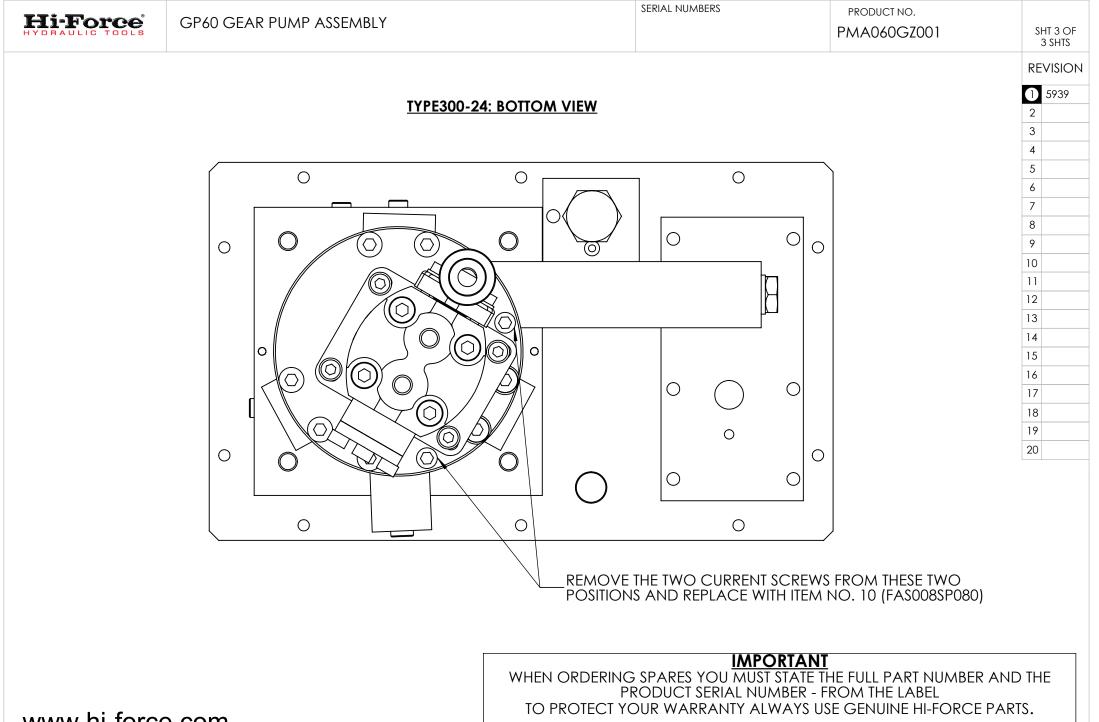
- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH X)
- ONLY PARTS MARKED WITH ✓ARE AVAILABLE AS BOTH SPARE PARTS OR SERVICEABLE PARTS, FROM HEP-SK1 PUMP SERVICE KIT. (REFER TO HEP-SK1: PUMP SERVICE KIT EVD FOR FULL PARTS LIST)
- THE ORIENTATION OF ITEM NO. 2 (PMC000TM001) IS 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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Hi-Force	MOTOR STARTER ASSEMBLY 230V			SERIAL NUMBERS
	$\sim$	ITEM NO.	PART NUMB	SER DESC
		1	EMC000EF0	DO1 ENCLOSUI BUTTC
	9	2	EMC230KE0	
		3	EMC230RE0	01 OVERLOAD R
	<b>9</b> -(5)	4	EMC110XF0	01 BRIDO
		5	NUC020LS0	02 GLANI
		6	CEC250SX0	001 BOOTLA (INSULATED
		7	CEC250SX0	102 TWIN BOOTL
7-		8	CEC250ACC	2.0
$\sim$		9	CEC250CC0	000 3 CORE CA H07RN
		10	MCC240EPC	240V 16
	<b>9</b> -5	11	WAC004YBC	000 M4 W
		12	BLC004JD0	16 M4 X 16 HEX HEAD
	4 6 3			- PARTS ARE AVAILA ESS MARKED WITH
nww.hi-force	J-o-	WHEN O TO PI	ORDERING PRO ROTECT YO	IM SPARES YOU MU ODUCT SERIAL N UR WARRANTY J

		EM				SHT 1 OF 1 SHTS
RT NUMBER	DESCRIPTION		QTY.	SPARE PARTS	SERVICE PARTS	REVISION
C000EF001	ENCLOSURE WITH PUSH BUTTONS P1MT	1			<b>1</b> 5717	
C230KE001	CONTACTOR 230 VOL	T	1			3
C230RE001	OVERLOAD RELAY 8-11 A	MPS	1			4
C110XF001	BRIDGING BAR		1			5
C020LS002	GLAND 6-12MM		2			6
C250SX001	BOOTLACE FERRULE (INSULATED) 2.5mm GRI	ΕY	8			7
C250SX002	TWIN BOOTLACE FERRULE	2.5	3			9
C250AC000	SINGLE CORE TR-RATED CA 2.5 mm2	ABLE	1			10
C250CC000	3 CORE CABLE 2.5mm/ H07RN-F3G 2.5	<u>2</u>	2			12
C240EP002	240V 16 Amp PLUG		1			14
C004YB000	M4 WASHER ST		2			15
C004JD016	M4 X 16 HEX SOCKET, CA HEAD SCREW	AP	2			16
						17
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PRODUCT NO.

VERSION

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LABLE TO BE ORDERED AS SPARE PARTS ΓΗ **Χ**).

MPORTANT MUST STATE THE FULL PART NUMBER AND THE L NUMBER - FROM THE LABEL ALWAYS USE GENUINE HI-FORCE PARTS.

Hi-Force	2 WAY, MANUALLY OPERATED PUMP MOU	INTED DIRECTIONAL	SERIAL NUMBERS		PRODUCT NO.	VERS		
HYDRAULIC TOOLS	CONTROL VALVE				PMV2	01		SHT 1 OF 1 SHTS
		ITEM NO.	PART NUMBER	DES	CRIPTION	QTY.	SPARE PARTS	REVISION
		1	VFC010BF014	VALVE MC	UNTING BLOCK	1	X	1 5717
$\sim$		2	SEC003KT001	VALV	/E GASKET	1		2
(12)		3	FPC010PN001	3/8 NPT B	LANKING PLUG	3		3
		4	BLC008KD035	HEA	HEX SOCKET CAP D SCREW	4		4 5
		5	SEC020RA001	O-RING - I.D. mm,	15.60 mm, C.S. 2.4 NITRILE 70	1		6
		6	SEC020BA001	BAC	K UP RING	1		8
		7	HLC046BM001	HAN	IDLE BASE	1	X	9
(11)		8	HLC010BM002	PMV2	2 - HANDLE	1	X	10
		9	FAS005MB001		IEX SOCKET CUP PT CREW	1		11 12
(6)-		10	BAC012SN001	12mm	STEEL BALL	1		13
(5)		11	VFC010DR002	S	PINDLE	1	X	14
(10)-		12	FAS006MB012	M6 x 12 mm H S	IEX SOCKET CUP PT CREW	2		15 16
		13	BLC005HH020	M5 x 20 mm H HEA	EX SOCKET BUTTON D SCREW	1		17 18
			L PARTS ARE AVA NLESS MARKED W	'ITH <b>X</b> ). I <b>MPORTANT</b> MUST STATE TH	HE FULL PART NUM			19 20 THE
www.hi-force	e.com	F	PRODUCT SERIA	L NUMBER - F	ROM THE LABEL SE GENUINE HI-FOR			

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
		le s							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		