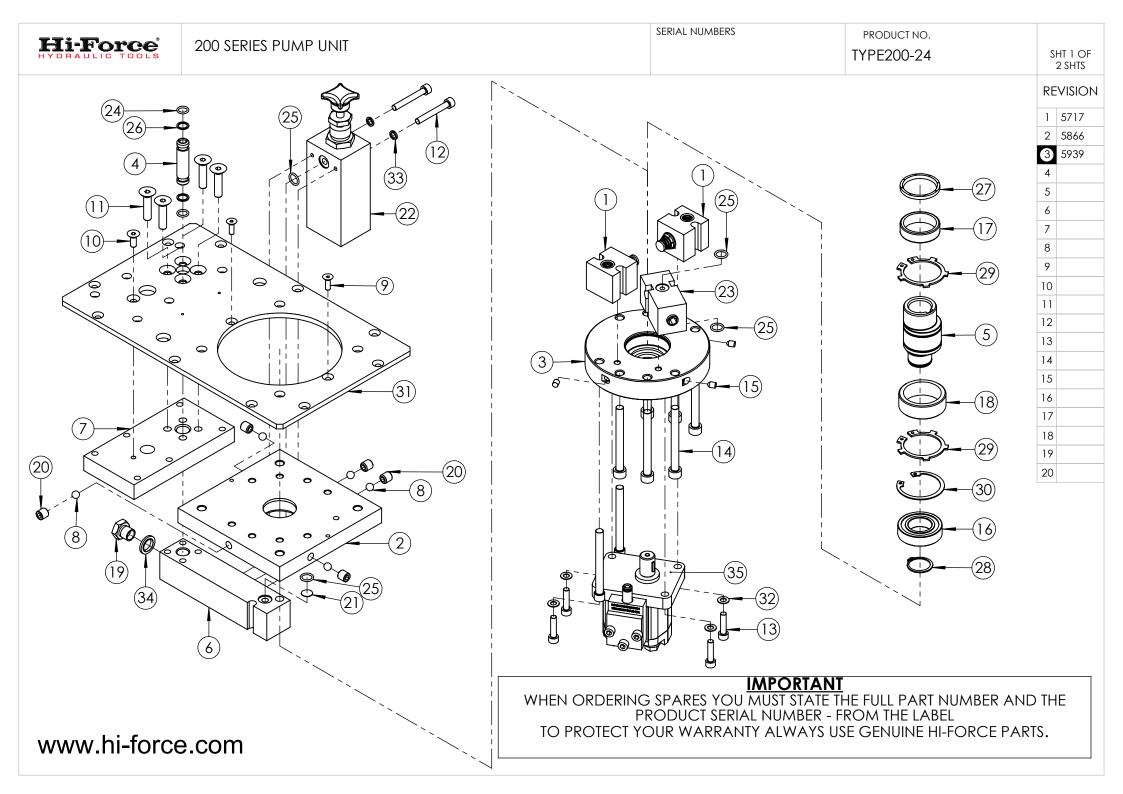


ART NUMBER AC025AS006 LC021YT010 DCSF00328 PC013PC001 UC021-B000 C028PZ001 PC025KP001 AC025CS003 C008KD020 AC008AB000 AC008AB000 AC008BB000 TYPE200-24 H415-1.5-4LAF	DESCRIPTION 25L TANK SIGHT GLASS HGF.13 BLACK OIL LEVEL INDICATOR DOUBLE SIDED MAGNET 1/2" BSP PLUG - HEX SOCKET 1/2" BSP LOCK NUT FILLER/BREATHER 1" SQ RIBBED INSERT BLACK 25L ROLL FRAME M8 x 20 mm HEX SOCKET CAP HEAD SCREW M8 PLAIN WASHER M8 ZINC PLATED SPRING WASHER 200 SERIES PUMP UNIT	QTY. 1 2 1 1 2 1 4 1 4 8 4	SPARE PARTS	SERVICE PARTS	ITEM NO. 27 28 29 30 31 32 33 34 35 35	PART NUMBER FFC045MZ001 BLC005HF020 15482 FPC010PB001 TAC000FS003 NUC008KC000 TAC000FS004 BLC006JH010	DESCRIPTION FILTER M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW TANK GASKET 3/8" BSP BLANKING PLUG MOUNTING PLATE M8 NYLOC NUT HOUSING M6 X 10 mm BUTTON HEAD HEX	QTY. 1 10 1 1 1 4 1 8	SPARE PARTS	SERVICE PARTS	RI 1 2 3 4 5 6 7
LC021YT010 DCSF00328 PC013PC001 UC021-B000 FC028PZ001 PC025KP001 AC025CS003 C008KD020 AC008AB000 AC008AB000 AC008BB000	SIGHT GLASS HGF.13 BLACK OIL LEVEL INDICATOR DOUBLE SIDED MAGNET 1/2" BSP PLUG - HEX SOCKET 1/2" BSP LOCK NUT FILLER/BREATHER 1" SQ RIBBED INSERT BLACK 25L ROLL FRAME M8 x 20 mm HEX SOCKET CAP HEAD SCREW M8 PLAIN WASHER M8 ZINC PLATED SPRING WASHER 200 SERIES PUMP UNIT	1 1 2 1 4 1 4 8			28 29 30 31 32 33 33 34	BLC005HF020 15482 FPC010PB001 TAC000FS003 NUC008KC000 TAC000FS004 BLC006JH010	M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW TANK GASKET 3/8" BSP BLANKING PLUG MOUNTING PLATE M8 NYLOC NUT HOUSING M6 X 10 mm BUTTON HEAD HEX	1 1 1 4 1		✓ 	2 3 4 5 6
CCSF00328 CC013PC001 UC021-B000 CO28PZ001 CO25KP001 AC025CS003 CO08KD020 AC008AB000 AC008BB000 TYPE200-24	LEVEL INDICATOR DOUBLE SIDED MAGNET 1/2" BSP PLUG - HEX SOCKET 1/2" BSP LOCK NUT FILLER/BREATHER 1" SQ RIBBED INSERT BLACK 25L ROLL FRAME M8 x 20 mm HEX SOCKET CAP HEAD SCREW M8 PLAIN WASHER M8 ZINC PLATED SPRING WASHER 200 SERIES PUMP UNIT	1 1 2 1 4 1 4 8			29 30 31 32 33 34	15482 FPC010PB001 TAC000FS003 NUC008KC000 TAC000FS004 BLC006JH010	COUNTERSUNK SCREW TANK GASKET 3/8" BSP BLANKING PLUG MOUNTING PLATE M8 NYLOC NUT HOUSING M6 X 10 mm BUTTON HEAD HEX	1 1 1 4 1		✓ 	3 4 5 6
PC013PC001 UC021-B000 C028PZ001 PC025KP001 AC025CS003 C008KD020 AC008AB000 AC008BB000 TYPE200-24	1/2" BSP PLUG - HEX SOCKET 1/2" BSP LOCK NUT FILLER/BREATHER 1" SQ RIBBED INSERT BLACK 25L ROLL FRAME M8 x 20 mm HEX SOCKET CAP HEAD SCREW M8 PLAIN WASHER M8 ZINC PLATED SPRING WASHER 200 SERIES PUMP UNIT	1 4 1 4 8			30 31 32 33 34	FPC010PB001 TAC000FS003 NUC008KC000 TAC000FS004 BLC006JH010	3/8" BSP BLANKING PLUG MOUNTING PLATE M8 NYLOC NUT HOUSING M6 X 10 mm BUTTON HEAD HEX	1		✓ 	4 5 6
UC021-B000 C028PZ001 C025KP001 C025CS003 C008KD020 AC008AB000 AC008BB000 TYPE200-24	1/2" BSP LOCK NUT FILLER/BREATHER 1" SQ RIBBED INSERT BLACK 25L ROLL FRAME M8 x 20 mm HEX SOCKET CAP HEAD SCREW M8 PLAIN WASHER M8 ZINC PLATED SPRING WASHER 200 SERIES PUMP UNIT	1 4 1 4 8			31 32 33 34	TAC000FS003 NUC008KC000 TAC000FS004 BLC006JH010	MOUNTING PLATE M8 NYLOC NUT HOUSING M6 X 10 mm BUTTON HEAD HEX	1			5 6
C028PZ001 C025KP001 C025CS003 C008KD020 AC008AB000 AC008BB000 TYPE200-24	FILLER/BREATHER 1" SQ RIBBED INSERT BLACK 25L ROLL FRAME M8 × 20 mm HEX SOCKET CAP HEAD SCREW M8 PLAIN WASHER M8 ZINC PLATED SPRING WASHER 200 SERIES PUMP UNIT	1 4 1 4 8			32 33 34	NUC008KC000 TAC000FS004 BLC006JH010	M8 NYLOC NUT HOUSING M6 X 10 mm BUTTON HEAD HEX	1			6
PC025KP001 AC025CS003 AC008KD020 AC008AB000 AC008BB000 AC008BB000	1" SQ RIBBED INSERT BLACK 25L ROLL FRAME M8 x 20 mm HEX SOCKET CAP HEAD SCREW M8 PLAIN WASHER M8 ZINC PLATED SPRING WASHER 200 SERIES PUMP UNIT	1 4 8			33 34	TAC000FS004 BLC006JH010	HOUSING M6 X 10 mm BUTTON HEAD HEX	1			
C025CS003 C008KD020 AC008AB000 AC008BB000 TYPE200-24	25L ROLL FRAME M8 x 20 mm HEX SOCKET CAP HEAD SCREW M8 PLAIN WASHER M8 ZINC PLATED SPRING WASHER 200 SERIES PUMP UNIT	1 4 8			34	BLC006JH010	M6 X 10 mm BUTTON HEAD HEX	1			
C008KD020 AC008AB000 AC008BB000 IYPE200-24	M8 x 20 mm HEX SOCKET CAP HEAD SCREW M8 PLAIN WASHER M8 ZINC PLATED SPRING WASHER 200 SERIES PUMP UNIT	4					M6 X 10 mm BUTTON HEAD HEX	Q	+		8
AC008AB000 AC008BB000 AC008BB000	SCREW M8 PLAIN WASHER M8 ZINC PLATED SPRING WASHER 200 SERIES PUMP UNIT	4									9
AC008BB000 TYPE200-24	M8 PLAIN WASHER M8 ZINC PLATED SPRING WASHER 200 SERIES PUMP UNIT	-				WAC006AF000	SOCKET SCREW M6 ZINC WASHER	8			10
YPE200-24	200 SERIES PUMP UNIT	4	+		36	WAC006BC001	M6 SPRING ZINC WASHER (SQUARE	4			11
							SECTION) CABLE CLIP BLACK SCREW				12
415-1.5-4LAF		1			- 37	ANC015PC001	POLYACETAL CABLE CLIP, 15mm	4			13
	AMPE 90L BA 4 - 1.5KW 4 POLE MOTOR	1			38	SEC013EH001	12.7mm ID BLACK PVC OPEN GROMMET	1			14 15
EC001KT003	GASKET	1		1	39	SEC010EH001	9.5mm ID BLACK PVC OPEN GROMMET	2			16
LC010LB035	M10 x 35 mm HEX HEAD BOLT, ZINC PLATED	4			*	SFC065FA002	BLANKING PLATE	1			17
AC010AB000	M10 ZINC PLATED FLAT WASHER	4									18 19
AC010BZ000	M10 SPRING WASHER	4									20
UC020LS002	GLAND 6-12MM	1			1	<u>NOIL.</u>					20
A415UC001	MOTOR STARTER ASSEMBLY	1			1			D AS S	SPARE P	Parts (UN	LESS
MA024TB001	POWER SUPPLY ASSY	1			1	MARKED W	(IIH X).				
PMV4SD	4 WAY, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE	1				OR SERVIC	EABLE PARTS, FROM HEP-SK1 P	UMP S	ERVICE		
GP063AK001	HEP & HAP PRESSURE GAUGE ASSEMBLY	1			1				,		
AN000UP001	60 x 30 mm UNIVERSAL NAME PLATE	1	x		1		•	, 21 &	22) PLE	ASE KEFEI	K IO
AS002HZ001	NO.4 x 3/16 HAMMER DRIVE SCREW	2			1						
C000PA001	160 mm LONG SUCTION PIPE	1			1		IMPORTA				
C013AC010	1/2" BSPT SUCTION PIPE	1			י	WHEN ORDER	ING SPARES YOU MUST STAT	TE THE			MBER AND TH
	C020LS002 A415UC001 A024TB001 PMV4SD P063AK001 N000UP001 S002HZ001 C000PA001 C013AC010	C020LS002GLAND 6-12MMA415UC001MOTOR STARTER ASSEMBLYA024TB001POWER SUPPLY ASSYA024TB001POWER SUPPLY ASSYPMV4SD4 WAY, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVEP063AK001HEP & HAP PRESSURE GAUGE ASSEMBLYN000UP00160 x 30 mm UNIVERSAL NAME PLATES002HZ001NO.4 x 3/16 HAMMER DRIVE SCREWC000PA001160 mm LONG SUCTION PIPE	C020LS002GLAND 6-12MM1A415UC001MOTOR STARTER ASSEMBLY1A024TB001POWER SUPPLY ASSY1PMV4SD4 WAY, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE1P063AK001HEP & HAP PRESSURE GAUGE ASSEMBLY1N000UP00160 x 30 mm UNIVERSAL NAME PLATE1S002HZ001NO.4 x 3/16 HAMMER DRIVE SCREW2C000PA001160 mm LONG SUCTION PIPE1C013AC0101/2" BSPT SUCTION PIPE1	C020LS002GLAND 6-12MM1A415UC001MOTOR STARTER ASSEMBLY1A024TB001POWER SUPPLY ASSY1POWER SUPPLY ASSY1PMV4SD4 WAY, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE1P063AK001HEP & HAP PRESSURE GAUGE ASSEMBLY1N000UP00160 x 30 mm UNIVERSAL NAME PLATE1XXXX000UP001160 mm LONG SUCTION PIPE1X013AC0101/2" BSPT SUCTION PIPE1	C020LS002GLAND 6-12MM1A415UC001MOTOR STARTER ASSEMBLY1A024TB001POWER SUPPLY ASSY1POWER SUPPLY ASSY1PMV4SD4 WAY, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE1P063AK001HEP & HAP PRESSURE GAUGE ASSEMBLY1N000UP00160 x 30 mm UNIVERSAL NAME PLATE1XXX000UP001NO.4 x 3/16 HAMMER DRIVE SCREW2C000PA001160 mm LONG SUCTION PIPE1XX	C020LS002 GLAND 6-12MM 1 A415UC001 MOTOR STARTER ASSEMBLY 1 A024TB001 POWER SUPPLY ASSY 1 A024TB001 POWER SUPPLY ASSY 1 PMV4SD 4 WAY, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE 1 P063AK001 HEP & HAP PRESSURE GAUGE ASSEMBLY 1 N000UP001 60 x 30 mm UNIVERSAL NAME PLATE 1 X0002HZ001 NO.4 x 3/16 HAMMER DRIVE SCREW 2 C000PA001 160 mm LONG SUCTION PIPE 1 C013AC010 1/2" BSPT SUCTION PIPE 1	CO20LS002GLAND 6-12MM1NOTE:A415UC001MOTOR STARTER ASSEMBLY1- ALL PARTSA024TB001POWER SUPPLY ASSY1- ONLY PARTPMV4SD4 WAY, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE1- ONLY PART OR SERVIC HEP-SK1: PUP063AK001HEP & HAP PRESSURE GAUGE ASSEMBLY1- FOR SUB AS THEIR INDUP063AK001MO.4 x 3/16 HAMMER DRIVE SCREW 2000PA0011- FOR SUB AS THEIR INDUC000PA001160 mm LONG SUCTION PIPE1-C013AC0101/2" BSPT SUCTION PIPE1-C0 PROTECT1C0 PROTECT1-	CO2015002 GLAND 6-12MM 1 NOTE: A415UC001 MOTOR STARTER ASSEMBLY 1 - - ALL PARTS ARE AVAILABLE TO BE ORDERE MARKED WITH X). A024TB001 POWER SUPPLY ASSY 1 - - ALL PARTS ARE AVAILABLE TO BE ORDERE MARKED WITH X). PMV4SD 4 WAY, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE 1 - - ONLY PARTS MARKED WITH X). P063AK001 HEP & HAP PRESSURE GAUGE ASSEMBLY 1 - - ONLY PARTS MARKED WITH VARE AVAILABLE TO BE ORDERE MARKED WITH X). P0643AK001 HEP & HAP PRESSURE GAUGE ASSEMBLY 1 - - ONLY PARTS MARKED WITH VARE AVAILABLE TO BE ORDERE MARKED WITH VARE AVAILABLE TO BE ORDERE MARKED WITH X). P0643AK001 HEP & HAP PRESSURE GAUGE ASSEMBLY 1 - - ONLY PARTS MARKED WITH VARE AVAILABLE TO BE ORDERE SIZE P0643AK001 HEP & HAP PRESSURE GAUGE ASSEMBLY 1 - - ONLY PARTS MARKED WITH VARE AVAILABLE TO BE ORDERE SIZE P0643AK001 HEP & HAP PRESSURE GAUGE ASSEMBLY 1 - - FOR SUB ASSEMBLIES (ITEM NO.S 12,19, 20 THEIR INDUVIDUAL EVD'S. P00001 60 x 30 mm LONG SUCTION PIPE 1 X - FOR SUB ASSEMBLY SIZE <td>CO20LS002 GLAND 6-12MM 1 NOTE: A415UC001 MOTOR STARTER ASSEMBLY 1 - - ALL PARTS ARE AVAILABLE TO BE ORDERED AS SMARKED WITH ✔). A024TB001 POWER SUPPLY ASSY 1 - - ONLY PARTS MARKED WITH ✔). PMV4SD 4 WAY, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE 1 - ONLY PARTS MARKED WITH ✔ARE AVAILABLE AS OR SERVICEABLE PARTS, FROM HEP-SK1 PUMP S HEP-SK1: PUMP SERVICE KIT EVD FOR FULL PART P063AK001 HEP & HAP PRESSURE GAUGE ASSEMBLY 1 - - FOR SUB ASSEMBLIES (ITEM NO.S 12, 19, 20, 21 & THEIR INDUVIDUAL EVD'S. P000UP001 60 x 30 mm UNIVERSAL NAME PLATE 1 x - FOR SUB ASSEMBLIES (ITEM NO.S 12, 19, 20, 21 & THEIR INDUVIDUAL EVD'S. C000PA001 160 mm LONG SUCTION PIPE 1 - IMPORTANT PRODUCT SERIAL NUMBER - FR C000PA001 1/2" BSPT SUCTION PIPE 1 - - IMPORTANT PRODUCT SERIAL NUMBER - FR C0013AC010 1/2" BSPT SUCTION PIPE 1 - - - C0020001 1/2" BSPT SUCTION PIPE 1 - - - C00200201 1/2" BSPT SUCTION PIPE 1 - -</td> <td>CO20LIS002 GLAND 6-12MM 1 NOTE: A415UC001 MOTOR STARTER ASSEMBLY 1 - - ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE F A024TB001 POWER SUPPLY ASSY 1 - - - ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE F MARKED WITH X). - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -<td>CO20LS002 GLAND 6-12MM 1 NOIE: A415UC001 MOTOR STARTER ASSEMBLY 1 - - ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UN MARKED WITH X). A024TB001 POWER SUPPLY ASSY 1 - - ONLY PARTS MARKED WITH X). 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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	FA\$006GJ010	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 NO.	PART	NUMBER	DESCRIPTION		QTY.	SPARE PARTS	SERVICE PARTS	RE	VISION
26	SEC01	3BA001	BACK-UP RING - PTFE SPLIT	, solid	2		✓	1	5717 5866
27	SEC03	5WE001	UPPER PLATE OIL S	SEAL	1			3	
28	STC02	5AA001	EXTERNAL CIRCLIP - 2 mm D1400/02		1			4	
29	STC04	0AA001	EXTERNAL CIRCLIP - 4 mm D2100/040		2			5 6	
30	STC04	7BA001	INTERNAL CIRCLIP - 4 mm D1300/047		1			7 8	
31	TAC00)0BA003	COVER PLATE		1			9	
32	WAC0	06AF000	M6 ZINC WASH	ER	4			10	
33	WACO	06BC001	M6 SPRING ZINC W. (SQUARE SECTIO		2			11 12	
34	WAC00	07HD000	1/4" BSP SELF CENTI BONDED WASH		1			13	
35	PMA04	48GZ001	GP48 GEAR PUMP AS	SEMBLY	1			14 15	
								10	

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.

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

16

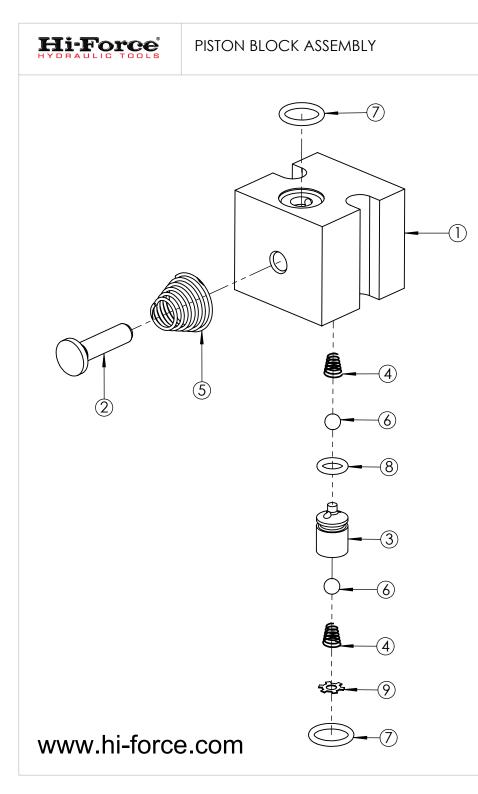
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PRODUCT NO.

TYPF200-24



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

SERIAL NUMBERS

PRODUCT NO.

PMA048GZ001

SHT 1 OF 3 SHTS

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	1)
	<u>NOTE:</u>
	- ALL PA
	- ONLY F SK1 PU
	- POSITI SUPPLI
	- ITEM N HPP PI

ITEM NO.PART NUMBERDESCRIPTIONQTY.SPARE PARTSSERVICE PARTSREVISION1GP48GEAR PUMP11159392PMC000TM001TRANSFER PLATE1125983315510ACONNECTOR TUBE11314SEC010RA001O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 702✓555SEC019RF002O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 902✓666PMC000XM001SEALING PLATE11817BLC006JD030M6 x 30 mm HEX SOCKET CAP HEAD SCREW3111815507ADAPTOR11119PCC002WC001KEY TO FIT 200/300 PUMPS1111110FAS008SP080M8 X 80 HEX SOCKET REDUCED CAP HEAD SCREW (FULLY THREADED)2131311FPA013DC001GEAR PUMP ELBOW (INC WITH GEAR PUMP)1X14				1 / • 0	10-10	02001			3 SHTS
1 GP48 GEAR PUMP 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <t< td=""><td></td><td>PART NUMBER</td><td>DESCRIPTIC</td><td>N</td><td>QTY.</td><td></td><td></td><td>RE</td><td>VISION</td></t<>		PART NUMBER	DESCRIPTIC	N	QTY.			RE	VISION
2 IMACOUNIMOUT INANSFERTEXTE 1 3 3 15510A CONNECTOR TUBE 1 3 4 SEC010RA001 O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 70 2 6 5 SEC019RF002 O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90 2 7 6 PMC000XM001 SEALING PLATE 1 8 7 BLC006JD030 M6 x 30 mm HEX SOCKET CAP HEAD SCREW 3 9 8 15507 ADAPTOR 1 10 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 11 10 FAS008SP080 CAP HEAD SCREW (FULLY THREADED) 2 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15	1	GP48	GEAR PUM	P	1			1	5939
3 10010/1 CONNECTOR TUBE 1 4 4 SEC010RA001 O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 70 2 5 5 SEC019RF002 O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90 2 7 6 PMC000XM001 SEALING PLATE 1 8 7 BLC006JD030 M6 x 30 mm HEX SOCKET CAP HEAD SCREW 3 9 8 15507 ADAPTOR 1 10 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 11 10 FAS008SP080 M8 X 80 HEX SOCKET REDUCED CAP HEAD SCREW (FULLY THREADED) 2 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15	2	PMC000TM001	TRANSFER PL	ATE	1			2	5983
15510BCONNECTOR TUBE144SEC010RA001O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 70255SEC019RF002O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90276PMC000XM001SEALING PLATE187BLC006JD030M6 x 30 mm HEX SOCKET CAP HEAD SCREW39815507ADAPTOR1109PCC002WC001KEY TO FIT 200/300 PUMPS11110FAS008SP080M8 X 80 HEX SOCKET REDUCED CAP HEAD SCREW (FULLY THREADED)21311FPA013DC001GEAR PUMP ELBOW (INC WITH GEAR PUMP)1X15	0	15510A	CONNECTOR	TUBE	1			3	
4 SECUTORAUDI mm, NITRILE 70 2 4 6 5 SEC019RF002 O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90 2 7 6 6 PMC000XM001 SEALING PLATE 1 8 7 6 PMC000XM001 SEALING PLATE 1 8 9 7 BLC006JD030 M6 x 30 mm HEX SOCKET CAP HEAD SCREW 3 9 10 8 15507 ADAPTOR 1 10 11 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 11 12 10 FAS008SP080 M8 X 80 HEX SOCKET REDUCED CAP HEAD SCREW (FULLY THREADED) 2 13 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15 <td>3</td> <td>15510B</td> <td>CONNECTOR</td> <td>TUBE</td> <td>1</td> <td></td> <td></td> <td>4</td> <td></td>	3	15510B	CONNECTOR	TUBE	1			4	
5 SEC019RF002 O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90 2 7 6 PMC000XM001 SEALING PLATE 1 8 7 BLC006JD030 M6 x 30 mm HEX SOCKET CAP HEAD SCREW 3 9 8 15507 ADAPTOR 1 10 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 11 10 FAS008SP080 M8 X 80 HEX SOCKET REDUCED CAP HEAD SCREW (FULLY THREADED) 2 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15	4	SEC010RA001			2		~	-	
7 BLC006JD030 M6 x 30 mm HEX SOCKET CAP HEAD SCREW 3 9 8 15507 ADAPTOR 1 10 9 PCC002wC001 KEY TO FIT 200/300 PUMPS 1 11 10 FAS008SP080 CAP HEAD SCREW (FULLY THREADED) 2 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15	5	SEC019RF002			2		~	Ŭ	
7 BLC006JD030 MB W B CREW 3 9 8 15507 ADAPTOR 1 10 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 11 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 11 10 FAS008SP080 CAP HEAD SCREW (FULLY THREADED) 2 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15	6	PMC000XM001	SEALING PLA	ATE .	1			8	
8 15507 ADAPIOR 1 1 1 9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 11 12 10 FAS008SP080 CAP HEAD SCREW (FULLY THREADED) 2 13 14 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15	7	BLC006JD030			3			9	
9 PCC002WC001 KEY TO FIT 200/300 PUMPS 1 1 11 12 10 FAS008SP080 M8 X 80 HEX SOCKET REDUCED CAP HEAD SCREW (FULLY THREADED) 2 13 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15	8	15507	ADAPTOR	R	1			10	
10 FAS008SP080 M8 X 80 HEX SOCKET REDUCED CAP HEAD SCREW (FULLY THREADED) 2 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15	9	PCC002WC001	KEY TO FIT 200/300	0 PUMPS	1				
10 FAS008SP080 CAP HEAD SCREW (FULLY THREADED) 2 13 11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 14			M8 X 80 HEX SOCKE					12	
11 FPA013DC001 GEAR PUMP ELBOW (INC WITH GEAR PUMP) 1 X 15	10	FAS008SP080	CAP HEAD SCREV	V (FULLY	2				
GEAR PUMP)	11		GEAR PUMP ELBOW	(INC WITH	1	~			
16	11	FF AUISDCUUT	GEAR PUM	P)	1	X		15	
								16	

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)

POSITION OF ITEM NO. 2 (PMC000TM001) IS TO BE DETERMINED BY THE BRAND OF THE GP48 GEAR PUMP SUPPLIED (REFER TO SHEET 2 FOR FURTHER DETAILS)

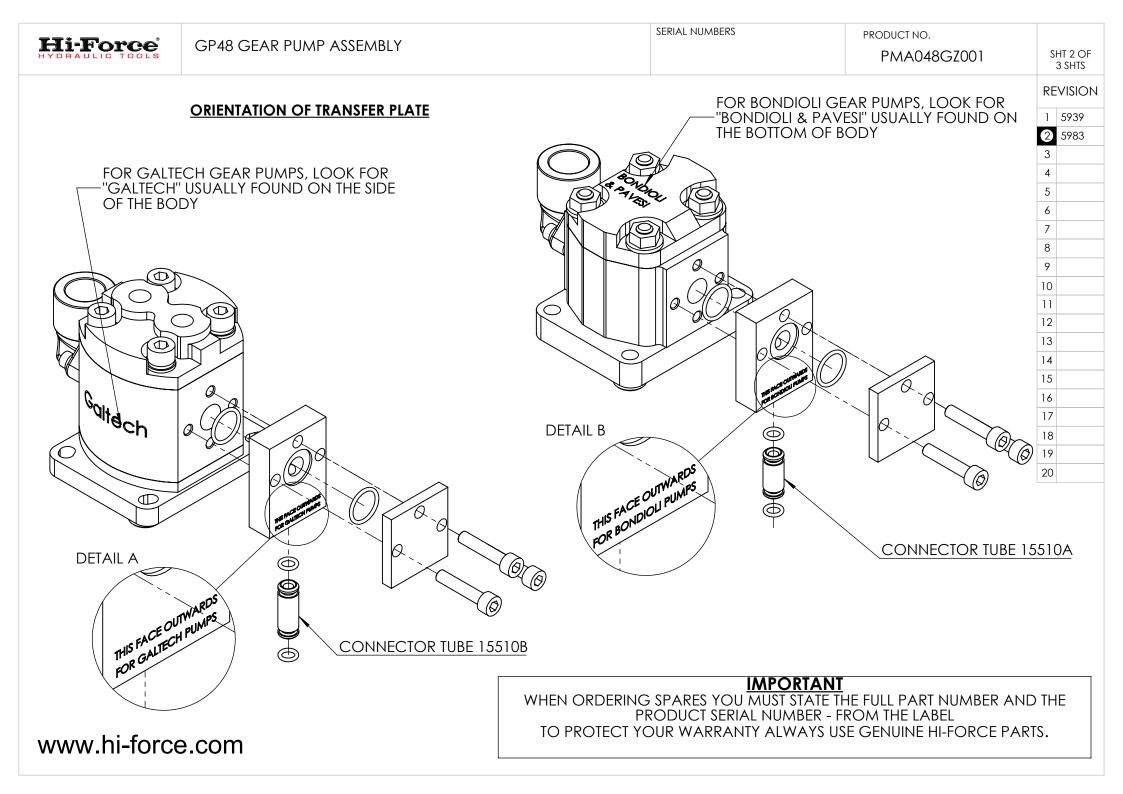
ITEM NO. 3 USED IS DETERMINED BY THE BRAND OF THE GP48 GEAR PUMP SUPPLIED FOR HEP, HAP AND HPP PUMPS WITH SERIAL NUMBERS EARLIER THAN **BR9070**. FOR BONDIOLI GEAR PUMPS USE CONNECTOR TUBE 15510A AND FOR GALTECH GEAR PUMPS USE CONNECTOR TUBE 15510B (REFER TO SHEET 2 FOR FURTHER DETAILS)

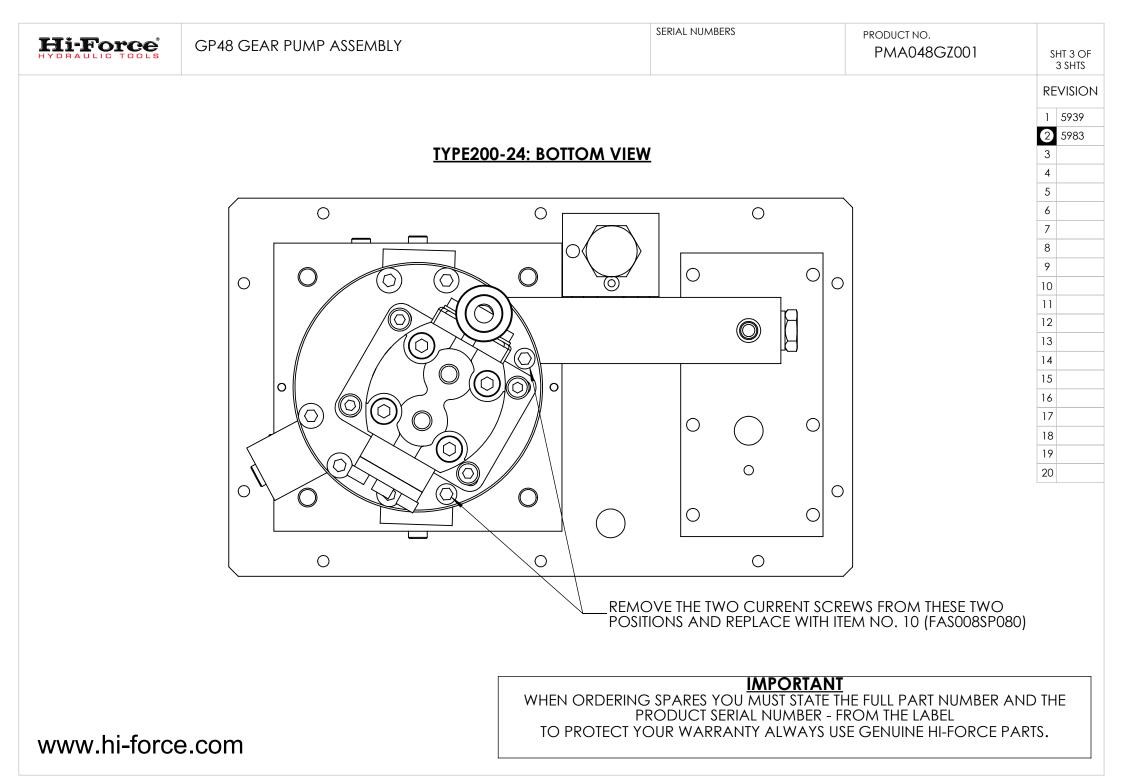
- ITEM NO.10 (FAS008SP080) ARE TO REPLACE TWO SCREWS (BLC008KC080) ON THE TYPE200-24, PRIOR TO FITTING PMA048GZ001 (REFER TO SHEET 3 FOR FURTHER DETAILS)

- INDIVIDUAL ITEMS ARE NOT AVAILABLE AS SPARE PARTS FOR HEP, HAP AND HPP PUMPS WITH SERIAL NUMBERS EARLIER THAN **BR9070**. GP48 GEAR PUMP ASSEMBLY (PMA048GZ001)WILL NEED TO BE ORDERED. INDIVIDUAL ITEMS APART FROM ITEM NO.11 ARE AVAILABLE AS SPARE PARTS FOR HEP, HAP AND HPP PUMPS WITH SERIAL NUMBERS ABOVE **BR9070**

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	
Hi-Force	MOTOR STARTER ASSEMBLY					EMA415UC001	01	SHT 1 OF 1 SHTS
		ITEM NO.	PART NUM	BER	DESCRIPTI	ON	QTY. SPAR	
	(12)	1	EMC000EF	001 ENCLOS	URE WITH PUSH	BUTTONS P1MT	1	1 5717
		2	EMC415KE	001	CONTACTOR	415 V	1	2
		3	EMC415RC	:001 OVER	LOAD RELAY	2.7-4.0 AMPS	1	3
	5	4	EMC110XF	001	BRIDGING	BAR	1	4
		5	NUC020LS	002	GLAND 6-12	2MM	2	6
(14) (9)	6	EMC000NZ	001	TERMINAL BI	JOCK	1	7
		7	CEC150DC	:000 4 CORE (CABLE 1.5 mm	2 H07RN-F 4G1.5	1	8
		8	CEC150EC			2 H07RN-F 5G1.5	1	9
\sim		9	CEC250SX	001 BOOTLAC	CE FERRULE (IN GREY	SULATED) 2.5mm	4	10
(6) - 6		10	CEC250AC	SINGLE C		D CABLE 2.5mm ²	1	12
		11	BLC004JD0	D16 M4 x 16	mm HEX SOC SCREW	KET CAP HEAD	2	14
		12	WAC004YB	6000	M4 WASHE	R ST	2	15
		(5) 13	MCC415EP	2002 415	V, 32A ELECTR	ICAL PLUG	1	16
		14	CEC250SX	002 TWIN B	OOTLACE FER	RULE 2.5 mm ²	2	18
		15	CEC150SX	001 BOOTLAC	E FERRULE (INS	SULATED) 1.5mm	4	19
		16	CEC150SX	002 TWIN B	OOTLACE FER	RULE 1.5 mm ²	1	20
				RTS ARE AVAILA S MARKED WITH		dered as spare f	PARTS	
		WHEN C	RDERING	Spares you M	MPORTANT MUST STATE TI NUMBER - F	HE FULL PART NU	IMBER AN	D THE

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

••• ••• ••		S	SERIAL 1	NUMBERS		PRODUCT NO.	VERSION	
Hi-Force	POWER SUPPLY ASSY					EMA024TB001	01	SHT 1 OF 1 SHTS
	\bigcirc		ITEM NO.	PART NUMBER		DESCRIPTION	QTY. SPAR PART	e Revision
9			1	EMC000XZ001		DIN RAIL	1	1 5717
	n <u> </u>		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	5
			6	NUC016LS001	M1	6 CABLE GLAND	3	- 6 - 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	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
			14	CEC075CC000	3 CO	RE 0.75mm CABLE	2	18 19
		WHEN ORDERING S	- A P.	ARTS (UNLESS M)	ARKED V			20 2 THF
www.hi-force	e.com	PRC	DDUC	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

	OUNTED	SERIAL NUMBERS P	RODUCT NO.	•				
VE	OUNILD		PMV	4S	D			ht 1 Of 1 Shts
ITEM NO.	PART NUMBER	DESCRIPTION	G	QTY.	SPARE 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 SCR	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	JG	3			8 9	
8	VFA000CE005	DIRECTIONAL CONTROL VALVE - TANDEM CEN DC	ITRE 24V	1			10	
9	SEC057RA001	O-RING - I.D. 50.39 mm, C.S. 3.53 mm		1		✓	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, NITRIL	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		✓	17	
15	EMC240NE001	BLACK RECTANGULAR POWER CONNECT	OR	2			18	
16	FPC010PN002	3/8" X 7/8" NPT SOCKET PLUG		1			19	
							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	HEP & HAP PRESSURE GAUGE ASSEMB	BLY	SERIA	L NUMBERS	PRODUCT NO. PGP063AK001	VEI	rsion)]	SHT 1 OF 1 SHTS
			ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	REVISION
			1	WAC005EC001	M5 X 9 X 1.0 COPPER SEALING WASHER	1		 5717 2
			2	BLC006JH010	M6 X 10 mm, HEX SOCKET, BUTTON HEAD SCREW	1		3
			3	HF16	ELBOW, 3/8" NPT FEMALE TO 3/8" NPT MALE	1		4 5
	5	7	4	PGB063PF001	FLANGE MOUNTED 700 Bar PRESSURE GAUGE	1		6 7
			5	HOC006GB001	700 Bar GAUGE HOSE WITH 1/4"BSP CONE FEMALE FITTINGS	1		8 9
			6	FPC010BN008	M/M ADAPTOR 3/8 NPT x 1/4 BSP INT 60° CONE 1000 Bar (STAINLESS STEEL)	1		10 11 12
(1)	981	J į	7	ANC013PC001	13mm BLACK STAINLESS STEEL P CLIP	1		13
			8	FPC006BB002	700 Bar SS 1/4" BSPP x BSPP FIXED FEMALE GAUGE ADAPTOR	1		14 15 16
4	-01-	Y	9	BLC003ZD010	M3 X 10 mm HEX SOCKET CAP HEAD SCREW	6		17 18
			10	NUC003UK001	M3 FEMALE STEEL HEX STANDOFF 30mm LONG	3		19
• • · · · · · · · · · · · · · · · · · ·			11	SFC085HA001	STRAIN RELIEF PLATE	1		20
and the second s	6		<u>Note</u> - All		ilable to be ordered as s	PARE	PARTS	
	(3)		(UNI	LESS MARKED W	ITH X).			

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	PUMP SERVIC	CE KIT		SERIAL NUM	1BERS		PRODUCT NO. HEP-SK1		SHT 1 OF 1 SHTS
			·		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	 2 5939 3
			(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	• 2	6
			le le		5	SEC019RF002	O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90	2	7 8
					6	SEC013BA001	BACK-UP RING - PTFE, SOLID SPLIT	2	9
		0			7	SEC001KT003	GASKET	1	10
								I	12
									13
		000							14
\bigcirc			e						15 16
									17
ļ		o o o						I	18
	0	q 1 2	\sim						19
		(6) (3)							20
www.hi-force	e.com		PR	RODUCT	YOU SERIA	al number - F	I The full part number A FROM THE LABEL SE GENUINE HI-FORCE P		

Hi-Force	SERVICE KIT (SOLENOID VALVE)			SERIAL	NUMBERS	PRODUCT	NO. VERS	SION	
YDRAULIC TOOLS	SERVICE KII (SOLENOID VALVE)					DCV-S1	1 (01	SHT 1 OI 1 SHTS
			ITEM NO.	PART NUMB	ER	DESCRIPTION		QTY.	REVISIC
			1	SEC014RF0	02 O-RING - I.D. 1	0.82 mm C.S. 1.7 (BROWN)	78 mm, VITON 9	0 1	 5717 2
			2	SEC011RF0		7.66 mm, C.S. 1.7 (BROWN)			3
		(5)	3	SEC011RF0	01 O-RING, I.D. 7	.66 mm, C.S. 1.78	3 mm, NITRILE 9	0 4	5
			4	SEC006RA0	02 O-RING - I.D.	2.9 mm, C.S. 1.78	8mm, NITRILE 70) 1	6
			5	SEC057RA0	01 O-RING -	I.D. 50.39 mm, C	.S. 3.53 mm	1	7
								I	8
									9
			\geq						10
			$\overline{)}$	\backslash					11
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