

25 Tonne, Single Acting, 110V 50Hz Electric Driven, Solenoid 3 – Way Valve, Workshop Press

SERIAL NUMBERS

FROM BS8412

PRODUCT NO.

HPF2541S

SHT 1 OF 2 SHTS



1 6088

2 6180

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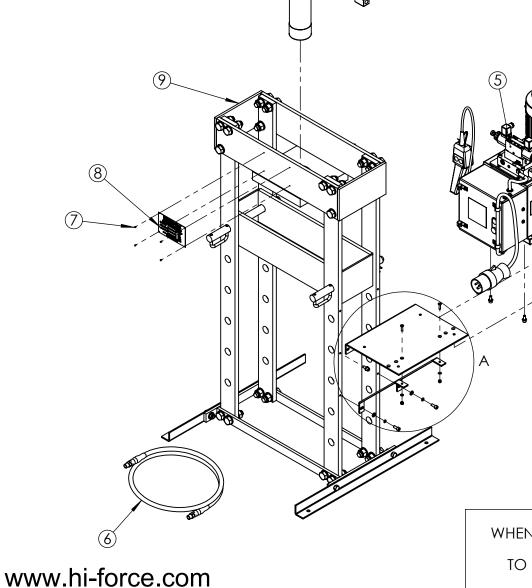
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DETAIL A SCALE 2:15

<u>IMPORTANT</u>





25 Tonne, Single Acting, 110V 50Hz Electric Driven, Solenoid 3 – Way Valve, Workshop Press

SERIAL NUMBERS

PRODUCT NO.

FROM BS8412

HPF2541S

SHT 2 OF 2 SHTS

REVISION

1 6088

2 6180

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## NOTES:

-ALL PARTS AVAILABLE TO ORDER AS AN INDIVIDUAL SPARE PART UNLESS MARKED "X"

-FOR SUB ASSEMBLIES (ITEM NO.s 1, 5 & 9) PLEASE REFER TO THEIR INDIVIDUAL EVD's

## **IMPORTANT**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PART AVAILABILITY
1	HSS2510	SPRING RETURN CYLINDER HSS2510	1	
2	СМ1	MALE COUPLER	1	
3	HG25	PRESSURE GAUGE	1	
4	HGA1	GAUGE BLOCK	1	
5	HPF207311S	110V 50hz, TWO STAGE, ELECTRIC DRIVEN, MEDIUM FLOW PUMP	1	
6	HH2	HYDRAULIC HOSE 2M.	1	
7	FAS002HZ001	NO.4 x 3/16 HAMMER DRIVE SCREW	4	
8	AAN025FP001	NAMEPLATE	1	Х
9	PAA025CH001	25T PRESS FRAME	1	Х
10	WAC008AB000	M8 PLAIN WASHER	8	
11	WAC008BB000	M8 ZINC PLATED SPRING WASHER	8	
12	BLC008KD020	M8 x 20 mm HEX SOCKET CAP HEAD SCREW	8	
13	NUC006JC000	M6 NYLOK NUT	2	
14	WAC006AF000	M6 ZINC WASHER	2	
15	SFC020HC001	HPF SHELF SUPPORT	2	
16	BLC006JX025	M8x30 CK SCREW	2	
17	SFC388HB001	HPF PUMP SHELF	1	



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25T PRESS FRAME

SERIAL NUMBERS

FROM BS8412

PRODUCT NO.

PAA025CH001

SHT 1 OF 1 SHTS

**REVISION** 

6169
 6180
 6376

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS
1	PBS025HC001	25T PRESS UPPER	1	X	
2	MBC084FB001	MOUNTING BLOCK	1		
3	PBS025BC001	PRESS BED	1	X	
4	PUC025FE001	25T PRESS FRAME UPRIGHT	4	X	
5	PBS025LC001	25T PRESS BASE	1	X	
6	PFC025AF003	PRESS FOOT	2	X	
7	BLC020PA070	M20 x 70 HEX HEAD BOLT	20		
8	WAC020AB000	M20 PL WASHER	40		
9	NUC020PC000	M20 NYLOK NUT	20		
10	BLC012MB035	M12 x 35 HEX HEAD BOLT	4		
11	WAC012BB000	M12 SPRING WASHER	4		
12	WAC012AB000	M12 PLAIN WASHER	4		
13	NUC012MC000	M12 NYLOK NUT	4		
14	PLC025CP001	25T LOAD PIN	2		
15	HLC010BM003	BRIDGE HANDLE	2		
16	BLC005HD025	M5 x 25 SOCKET CAP HEAD SCREW	4		
17	STC025RA001	R CLIP	2		
18	WAC008BB000	M8 ZINC PLATED SPRING WASHER	4		
19	BLC008KD040	M8 x 40 SOCKET CAP HEAD SCREW	4		

NOTE:

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

**IMPORTANT** 



110V 50hz, TWO STAGE, ELECTRIC DRIVEN, MEDIUM FLOW PUMP

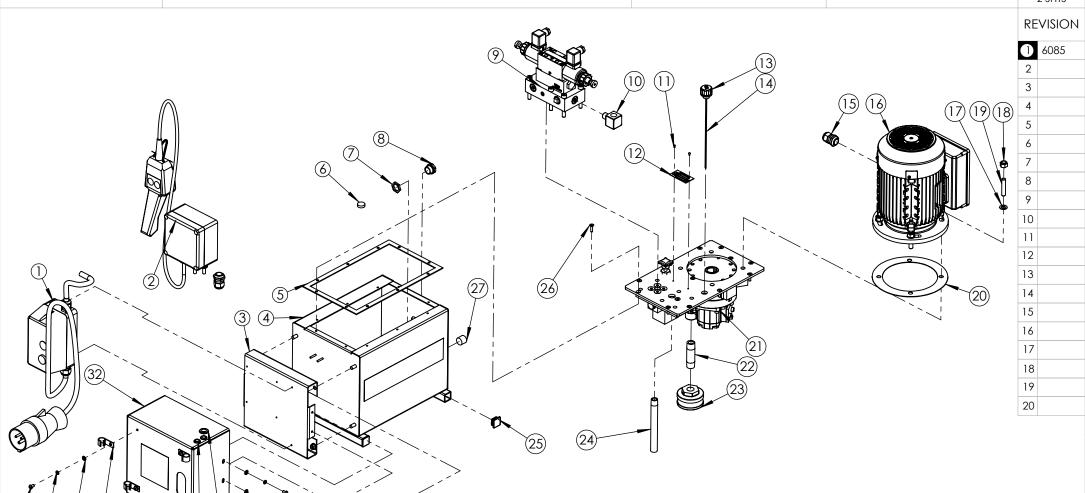
SERIAL NUMBERS

FROM BS8412

PRODUCT NO.

HPF207311S

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.

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(34)

(35)(36)

(35)(34)



SERIAL NUMBERS

PRODUCT NO.

FROM BS8412

**DESCRIPTION** 

160 mm LONG SUCTION PIPE

1" SQ RIBBED INSERT BLACK

M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW

1/2" BSP PLUG - HEX SOCKET

M8 PLAIN WASHER

M8 NYLOC NUT

12.7mm ID BLACK PVC OPEN GROMMET

9.5mm ID BLACK PVC OPEN GROMMET

HOUSING CABLE CLIP BLACK SCREW POLYACETAL CABLE CLIP.

15mm

M6 ZINC WASHER

M6 SPRING ZINC WASHER (SQUARE SECTION)

M6 X 10 mm, HEX SOCKET, BUTTON HEAD SCREW

HPF207311S QTY.

4

10

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8 8 SPARE PARTS

SERVICE

PARTS

SHT 2 OF 2 SHTS

REVISION				
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ITEM NO.	PART NUMBER		DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	ITEM NO.	PART NUMBER		
1	EMA110UF002		motor starter assembly	1			24			
2	EMA024TB001		POWER SUPPLY ASSY	1			25	25 BPC025KP001		
3	TAC000FS003		MOUNTING PLATE	1			26	BLC005HF020		
4	TAC010AS012		10L Tank	1			27	FPC013PC001		
5	15482		Tank Gasket	1		<b>✓</b>	28	WAC008AB000		
6	DCSF00328		DOUBLE SIDED MAGNET	1			29	NUC008KC000		
7	NUC021-B000		1/2" BSP LOCK NUT	2			30	SEC013EH001		
8	BLC021YT010	SIGHT	GLASS HGF.13 BLACK OIL LEVEL INDICATOR	2			31	SEC010EH001		
9	PMV3SD	3W WA	Y, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VLAVE	1			32	TAC000FS004		
10	HF16	ELE	BOW, 3/8" NPT FEMALE TO 3/8" NPT MALE	1			33	ANC015PC001	С	
11	FAS002HZ001		NO.4 x 3/16 HAMMER DRIVE SCREW	2			34	WAC006AF000		
12	AAN000UP001		60 x 30 mm UNIVERSAL NAME PLATE	1	X		35	WAC006BC001		
13	BPC010SP002		FILLER	1			36	BLC006JH010		
14	BPC010DS001		ZINC PLATED DIPSTICK 239mm LONG	1						
15	NUC020LS002		GLAND 6-12MM	1						
16	EM110-1.1-4LAF	AMME (H	HIGH STARTING TORQUE), POWER 1.1kw, SPEED 4 POLE	1				NOTE		
17	WAC010AB000		M10 ZINC PLATED FLAT WASHER	4				-ALL F MARK		
18	NUC010LC000		M10 NYLOC NUT	4				-ONLY	Y PA	
19	FAS010MW050	М	10 x 50 DOUBLE ENDED THREADED STUD	4				OR SE HEP-S		
20	SEC001KT003		GASKET	1		<b>✓</b>				
21	TYPE200-24		200 SERIES PUMP UNIT	1			-FOR S INDIVIE			
22	FPC013AC010		1/2" BSPT SUCTION PIPE	1				-ITEM	NO	
23	FFC045MZ001		FILTER	1						

-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)

-FOR SUB ASSEMBLIES (ITEM NO.S 1, 2, 9 & 21) PLEASE REFER TO THEIR INDIVIDUAL EVD's.

-ITEM NO.S 13 & 14 MUST BE ORDERED TOGETHER

**IMPORTANT** 

Hi-Force

200 SERIES PUMP UNIT

SERIAL NUMBERS

PRODUCT NO. TYPE200-24

SHT 1 OF 2 SHTS

**REVISION** 

1 5717 2 5866

3 5939

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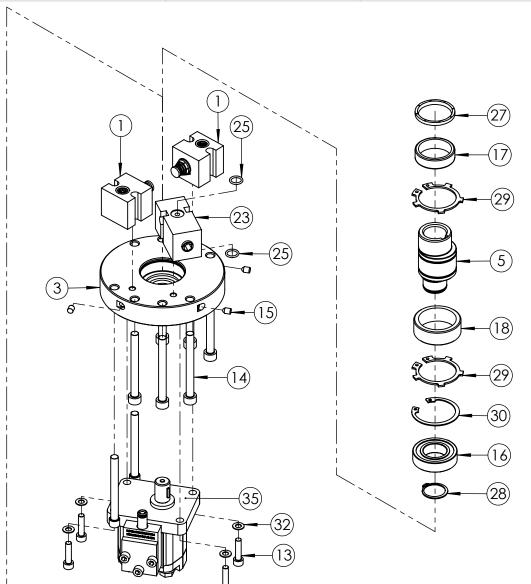
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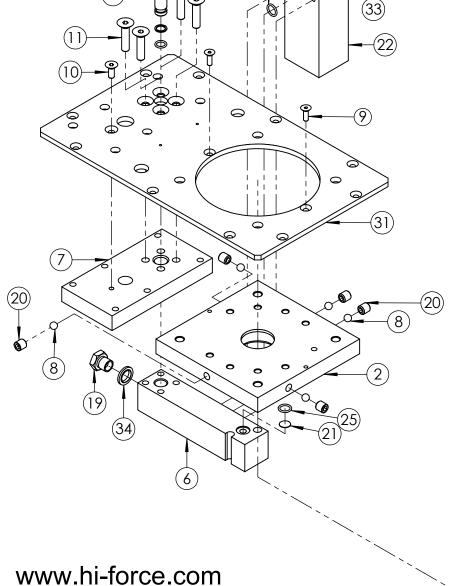
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**IMPORTANT** 





#### 200 SERIES PUMP UNIT

SERIAL NUMBERS PRODUCT NO.

TYPE200-24

SHT 2 OF 2 SHTS

17

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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	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		1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	RE	VISION
26	SEC013BA001	BACK-UP RING - PTFE, SOLID SPLIT	2		✓	1	5717 5866
27	SEC035WE001	UPPER PLATE OIL SEAL	1			(3)	5939
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 8	
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	
	1		1			15	
						16	

#### 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.

## **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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PISTON BLOCK ASSEMBLY

SERIAL NUMBERS

PRODUCT NO.

**VERSION** 01

15494-A

SHT 1 OF 1 SHTS

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	RE	VISION
1	15494	PISTON BLOCK	1	X		1	5717
2	15495	PISTON	1	X		2	5866
3	15496	VALVE SEAT	1	X		3	
4	15509	SUCTION/DELIVERY SPRING	2	X		4	
5	15508	PUMP SPRING	1	X		5	
6	BAC005\$N000	Ø5 mm STEEL BALL GRADE 100	2	X		6	
7	SEC014RF001	O-RING - I.D. 10.82 mm, C.S. 1.78 mm, NITRILE 90	2		1	8	
8	SEC010RA001	O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 70	1	X		9	
9	STC008SA001	N1305-0031 SELF LOCKING RING	1	X		11	
						12	
						13	

#### NOTE:

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

SERIAL NUMBERS

PRODUCT NO.

PMA048GZ001

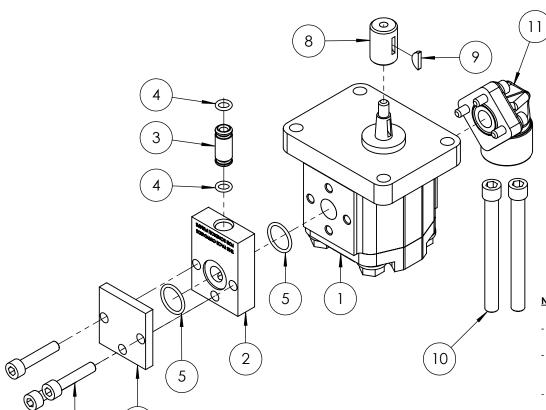
SHT 1 OF 3 SHTS

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	RE	VISION
1	GP48	GEAR PUMP	1			1	5939
2	PMC000TM001	TRANSFER PLATE	1			2	5983
2	15510A	CONNECTOR TUBE	1			3	
3	15510B	CONNECTOR TUBE	1			4	
4	SEC010RA001	O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 70	2		1	5	
5	SEC019RF002	O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90	2		1	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	
		M8 X 80 HEX SOCKET REDUCED				12	
10	FAS008SP080	CAP HEAD SCREW (FULLY THREADED)	2			13	
	FD.1010D.0003	GEAR PUMP ELBOW (INC WITH	<b>—</b>			14	
11	FPA013DC001	GEAR PUMP)		X		15	
						16	

#### 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)
- 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

#### **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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**CONNECTOR TUBE 15510B** 

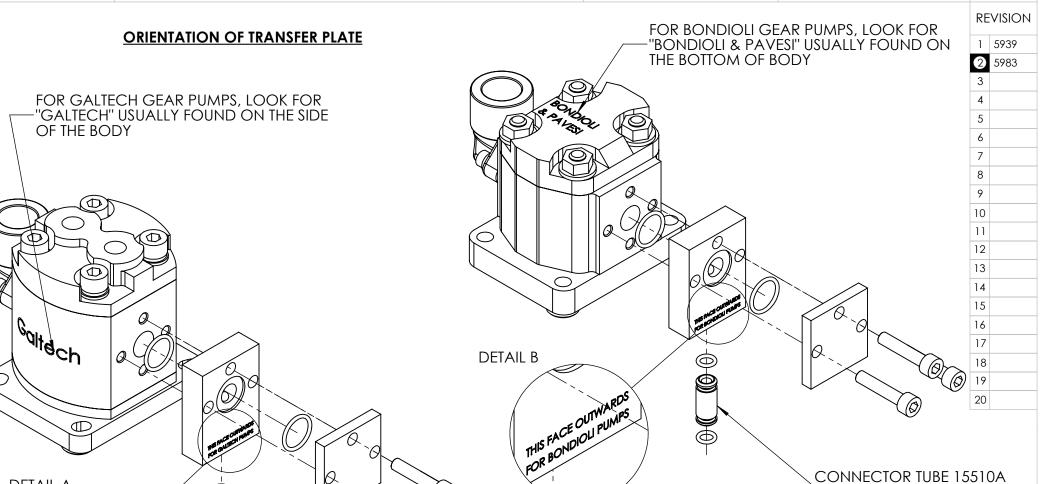
SERIAL NUMBERS

PRODUCT NO.

PMA048GZ001

**CONNECTOR TUBE 15510A** 

SHT 2 OF 3 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.

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THIS FACE OUTWARDS

DETAIL A

SHT 3 OF 3 SHTS

REVISION

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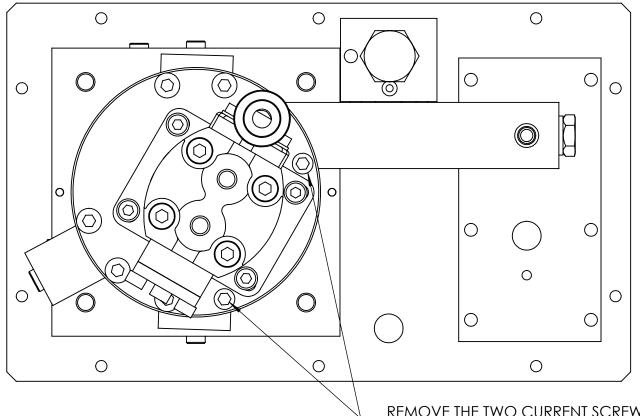
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## **TYPE200-24: BOTTOM VIEW**



REMOVE THE TWO CURRENT SCREWS FROM THESE TWO POSITIONS AND REPLACE WITH ITEM NO. 10 (FAS008SP080)

## **IMPORTANT**



#### MOTOR STARTER ASSEMBLY

SERIAL NUMBERS

PRODUCT NO.

EMA110UF002

**VERSION** 

SHT 1 OF

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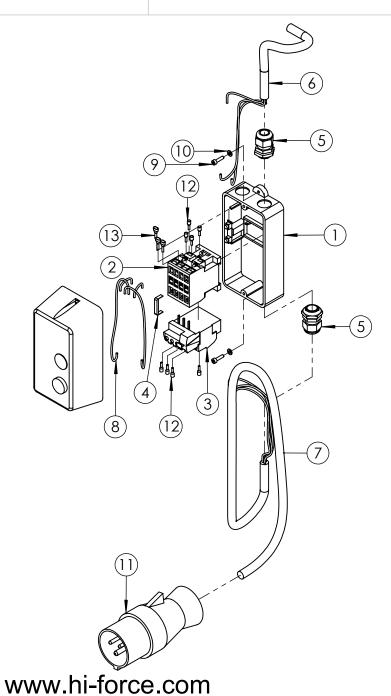
01 1 SHTS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	REVISION
1	EMC000EF001	ENCLOSURE WITH PUSH BUTTONS P1MT	1		<b>1</b> 5717
2	EMC110KF001	CONTACTOR 110 VOLT	1		2
3	EMC230RF001	OVERLOAD RELAY 13-18 AMPS	1		3
4	EMC110XF001	BRIDGING BAR	1		4
5	NUC020LS002	GLAND 6-12MM	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
8	CEC250AC000	SINGLE CORE TR-RATED CABLE 2.5 mm2	1		8
9	BLC004JD016	M4 X 16 HEX SOCKET, CAP HEAD SCREW	2		9
10	WAC004YB000	M4 WASHER ST	2		10
11	MCC110EP001	110V PLUG	1		11
12	CEC250\$X001	BOOTLACE FERRULE (INSULATED) 2.5mm GREY	8		12
13	CEC250SX002	TWIN BOOTLACE FERRULE 2.5 mm <sup>2</sup>	3		13

### NOTE:

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

**IMPORTANT** 





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#### **POWER SUPPLY ASSY**

<sup>'</sup>9

(3)

ITEM NO.	PART N
1	EMC00
2	EMC02
3	EMC00
4	EMC00
5	EMC02
6 7	NUC01
7	NUC02
8	EMC00
9	BLC00
10	WAC00
11	FAS00
12	CEC15
13	CEC15
14	CEC07
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SERIAL NUMBERS

QTY. SPARE PARTS NUMBER **DESCRIPTION REVISION** 00X7001 DIN RAII 5717 POWER SUPPLY 24 V DC 24TB001 5 3 00NZ001 TERMINAL BLOCK 00NZ002 EARTH TERMINAL BLOCK 5 24EB002 **DRILLED ENCLOSURE** 6 3 16LS001 M16 CABLE GLAND 2 20LS002 GLAND 6-12MM 8 HAND PENDANT (PENDANT 9 00VZ002 ONLY, NO CABLE) 10 M4 x 16 mm HEX SOCKET 4JD016 11 CAP HEAD SCREW 12 04YB000 M4 WASHER ST 4 13 M3 x 5 FORM SCREW 2 3TV001 14 4 CORE CABLE 1.5 mm<sup>2</sup> 15 0DC000 H07RN-F 4G1.5 16 OCC000 3 CORE 1.5mm CABLE 17 18 2 '5CC000 3 CORE 0.75mm CABLE 19 20

PRODUCT NO.

EMA024TB001

**VERSION** 

SHT 1 OF 1 SHTS

01

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

<u>IMPORTANT</u>



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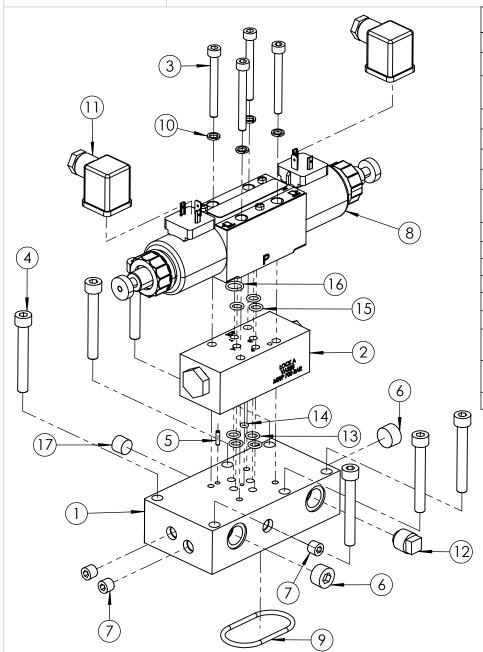
# 3 WAY, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE

SERIAL NUMBERS

PRODUCT NO.

PMV3SD

SHT 1 OF 1 SHTS



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PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	REVISION
VFC010BT004	VALVE BASE (5 PORT)	1			1 5717
VA225	PO CHECK VALVE (5 port)	1			2 6165
BLC006FC055	1/4" x 2 1/4" UNC HEX SOCKET CAP HEAD SCREW	4			3
BLC008KC060	M8 x 60 mm HEX SOCKET CAP HEAD SCREW	6			5
PCC003RB006	Ø3 x 12 mm SELLOCK PIN	1			6
FPC010PN002	3/8" X 7/8" NPT SOCKET PLUG	2			7
FPC003PN001	1/8" x 3/4" NPT TAPER DRY SEAL PRESS PLUG	3			8
VFA000CE005	DIRECTIONAL CONTROL VALVE - TANDEM CENTRE 24VDC	1			9
SEC057RA001	O-RING - I.D. 50.39 mm, C.S. 3.53 mm	1		<b>✓</b>	11
WAC006BC001	M6 SPRING ZINC WASHER (SQUARE SECTION)	4			12
EMC240NE001	BLACK RECTANGULAR POWER CONNECTOR	2			13
BPC010SP004	3/8 NPT PLASTIC BLANKING PLUG (RED)				14
SEC011RF001	F001 O-RING, I.D. 7.66 mm, C.S. 1.78 mm, NITRILE 9			<b>√</b>	15
SEC006RA002	O-RING - I.D. 2.9 mm, C.S. 1.78mm, NITRILE 70			<b>√</b>	-
SEC011RF002	O-RING - I.D. 7.66 mm, C.S. 1.78 mm, VITON 90 (BROWN)	3		•	16
SEC014RF002	RF002 O-RING - I.D. 10.82 mm C.S. 1.78 mm, VITON 90 (BROWN)			✓	18 19
FPC006PN002 1/4 NPT x 7/8 TAPER PLUG					20
	VFC010BT004  VA225  BLC006FC055  BLC008KC060  PCC003RB006  FPC010PN002  FPC003PN001  VFA000CE005  SEC057RA001  WAC006BC001  EMC240NE001  BPC010SP004  SEC011RF001  SEC006RA002  SEC011RF002	VFC010BT004         VALVE BASE (5 PORT)           VA225         PO CHECK VALVE (5 port)           BLC006FC055         1/4" x 2 1/4" UNC HEX SOCKET CAP HEAD SCREW           BLC008KC060         M8 x 60 mm HEX SOCKET CAP HEAD SCREW           PCC003RB006         Ø3 x 12 mm SELLOCK PIN           FPC010PN002         3/8" X 7/8" NPT SOCKET PLUG           FPC003PN001         1/8" x 3/4" NPT TAPER DRY SEAL PRESS PLUG           VFA000CE005         DIRECTIONAL CONTROL VALVE - TANDEM CENTRE 24VDC           SEC057RA001         O-RING - I.D. 50.39 mm, C.S. 3.53 mm           WAC006BC001         M6 SPRING ZINC WASHER (SQUARE SECTION)           EMC240NE001         BLACK RECTANGULAR POWER CONNECTOR           BPC010SP004         3/8 NPT PLASTIC BLANKING PLUG (RED)           SEC011RF001         O-RING, I.D. 7.66 mm, C.S. 1.78 mm, NITRILE 70           SEC011RF002         O-RING - I.D. 2.9 mm, C.S. 1.78 mm, VITON 90 (BROWN)           SEC014RF002         O-RING - I.D. 10.82 mm C.S. 1.78 mm, VITON 90 (BROWN)	VFC010BT004         VALVE BASE (5 PORT)         1           VA225         PO CHECK VALVE (5 port)         1           BLC006FC055         1/4" x 2 1/4" UNC HEX SOCKET CAP HEAD SCREW         4           BLC008KC060         M8 x 60 mm HEX SOCKET CAP HEAD SCREW         6           PCC003RB006         Ø3 x 12 mm SELLOCK PIN         1           FPC010PN002         3/8" X 7/8" NPT SOCKET PLUG         2           FPC003PN001         1/8" x 3/4" NPT TAPER DRY SEAL PRESS PLUG         3           VFA000CE005         DIRECTIONAL CONTROL VALVE - TANDEM CENTRE 24VDC         1           SEC057RA001         O-RING - I.D. 50.39 mm, C.S. 3.53 mm         1           WAC006BC001         M6 SPRING ZINC WASHER (SQUARE SECTION)         4           EMC240NE001         BLACK RECTANGULAR POWER CONNECTOR         2           BPC010SP004         3/8 NPT PLASTIC BLANKING PLUG (RED)         1           SEC011RF001         O-RING, I.D. 7.66 mm, C.S. 1.78 mm, NITRILE 90         4           SEC006RA002         O-RING - I.D. 2.9 mm, C.S. 1.78 mm, VITON 90         3           SEC014RF002         O-RING - I.D. 10.82 mm C.S. 1.78 mm, VITON 90 (BROWN)         1	VFC010BT004         VALVE BASE (5 PORT)         1           VA225         PO CHECK VALVE (5 port)         1           BLC006FC055         1/4" x 2 1/4" UNC HEX SOCKET CAP HEAD SCREW         4           BLC008KC060         M8 x 60 mm HEX SOCKET CAP HEAD SCREW         6           PCC003RB006         Ø3 x 12 mm SELLOCK PIN         1           FPC010PN002         3/8" X 7/8" NPT SOCKET PLUG         2           FPC003PN001         1/8" x 3/4" NPT TAPER DRY SEAL PRESS PLUG         3           VFA000CE005         DIRECTIONAL CONTROL VALVE - TANDEM CENTRE 24VDC         1           SEC057RA001         O-RING - I.D. 50.39 mm, C.S. 3.53 mm         1           WAC006BC001         M6 SPRING ZINC WASHER (SQUARE SECTION)         4           EMC240NE001         BLACK RECTANGULAR POWER CONNECTOR         2           BPC010SP004         3/8 NPT PLASTIC BLANKING PLUG (RED)         1           SEC011RF001         O-RING - I.D. 7.66 mm, C.S. 1.78 mm, NITRILE 90         4           SEC010RF002         O-RING - I.D. 7.66 mm, C.S. 1.78 mm, VITON 90         3           SEC014RF002         O-RING - I.D. 10.82 mm C.S. 1.78 mm, VITON 90         3           SEC014RF002         O-RING - I.D. 10.82 mm C.S. 1.78 mm, VITON 90 (BROWN)         1	VFC010BT004         VALVE BASE (5 PORT)         1           VA225         PO CHECK VALVE (5 port)         1           BLC006FC055         1/4" x 2 1/4" UNC HEX SOCKET CAP HEAD SCREW         4           BLC008KC060         M8 x 60 mm HEX SOCKET CAP HEAD SCREW         6           PCC003RB006         Ø3 x 12 mm SELLOCK PIN         1           FPC010PN002         3/8" X 7/8" NPT SOCKET PLUG         2           FPC003PN001         1/8" x 3/4" NPT TAPER DRY SEAL PRESS PLUG         3           VFA000CE005         DIRECTIONAL CONTROL VALVE - TANDEM CENTRE 24VDC         1           SEC057RA001         O-RING - I.D. 50.39 mm, C.S. 3.53 mm         1           WAC006BC001         M6 SPRING ZINC WASHER (SQUARE SECTION)         4           EMC240NE001         BLACK RECTANGULAR POWER CONNECTOR         2           BPC010SP004         3/8 NPT PLASTIC BLANKING PLUG (RED)         1           SEC011RF001         O-RING, I.D. 7.66 mm, C.S. 1.78 mm, NITRILE 90         4           SEC0106RA002         O-RING - I.D. 2.9 mm, C.S. 1.78 mm, VITON 90         3           SEC014RF002         O-RING - I.D. 10.82 mm C.S. 1.78 mm, VITON 90         3           SEC014RF002         O-RING - I.D. 10.82 mm C.S. 1.78 mm, VITON 90 (BROWN)         1

#### 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-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 ITEMS 13 & 14. THEREFORE THESE ARE NOT REQUIRED TO BE ORDERED SEPERATELY.
- IF ITEM NO. 8 IS ORDERED AS A SPARE PART, THIS ALREADY COMES WITH ITEMS 15 & 16. THEREFORE THESE ARE NOT REQUIRED TO BE ORDERED SEPERATELY.

## **IMPORTANT**



PUMP SERVICE KIT

(6)

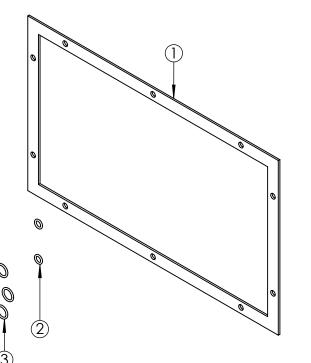
(4)

(5)

SERIAL NUMBERS	

PRODUCT NO.

HEP-SK1		SHT 1 OF 1 SHTS
DESCRIPTION	OTY	חבו (וכוס)



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	RE	VISION
1	15482	TANK GASKET	1	1	5717
2	SEC010RA001	O-RING - I.D. 6.35 mm, C.S. 1.78 mm, NITRILE 70	2	3	5939
3	SEC014RF001	O-RING - I.D. 10.82 mm, C.S. 1.78 mm, NITRILE 90	10	4	
4	SEC013RA001	O-RING - I.D. 9.25mm, C.S. 1.78mm, NITRILE 90	2	6	
5	SEC019RF002	O-RING - I.D. 15.60, C.S. 1.78mm, NITRILE 90	2	7	
6	SEC013BA001	BACK-UP RING - PTFE, SOLID SPLIT	2	9	
7	SEC001KT003	GASKET		10	

**IMPORTANT** 

Hi-Force	SERVICE KIT (SOLENOID VALVE)			SERIAL NUMBERS		PRODUCT NO.		NC	
HYDRAULIC TOOLS	SERVICE RII (SOLENOID VALVE)					DCV-S1	01		SHT 1 OF 1 SHTS
		ITEM NO.	PART	NUMBER	DESC	CRIPTION		QTY.	REVISION
		1	SEC0	14RF002	O-RING - I.D. 10.82 m (BI	m C.S. 1.78 mm, Vľ ROWN)	TON 90	1	<ol> <li>5717</li> <li>2</li> </ol>
		2	SEC0	11RF002	O-RING - I.D. 7.66 mr			_	3
	(5)	3	SEC0	11RF001	O-RING, I.D. 7.66 mm	•	RILE 90	4	5
		4	SEC00	06RA002	O-RING - I.D. 2.9 mm	n, C.S. 1.78mm, NITF	RILE 70	1	6
		5	SEC05	57RA001	O-RING - I.D. 50.	39 mm, C.S. 3.53 m	ım	1	7
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		$\nearrow$							10
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3									20