

Hi-Force	
HYDRAULIC TOOLS	

HDA10013

CM1

HF31

HH2

SAC:045MT002

FPC010DN001

WAC010HD000

HPF207411S

FAS002HZ001

AAN100FP001

PAA100HG001

BLC005HH016

PART NUMBER

ITEM NO.

1

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QTY.

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DESCRIPTION

DOUBLE ACTING CYLINDER HDA10013

SADDLE

MALE COUPLER

3/8" NPT TEE

MALE STUD ELBOW

3/8" BSP DOWTY WASHER

110V 50hz, TWO STAGE, ELECTRIC

DRIVEN, MEDIUM FLOW PUMP

HYDRAULIC HOSE 2M.

NO.4 x 3/16 HAMMER DRIVE SCREW

NAMEPLATE

100T PRESS FRAME

M5 x 16 BUTTON HEAD SCREW

SPARE PART

AVAILABILITY

ITEM NO.

13

14

15

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HFPG-100T

WAC:007HD000

FPC010BB002

FPC010YB001

WAC008AB000

WAC008BB000

BLC008KD020

NUC006JC000

WAC006AF000

SFC020HC001

SFC388HB001

BLC006JX025

DESCRIPTION

PRESSURE GAUGE

1/4" BSP SELF CENTERING BONDED

WASHER

M/F ADAPTER 1/4 IN. BSP X 3/8 IN. BSP

STUD COUPLING

**M8 PLAIN WASHER** 

M8 ZINC PLATED SPRING WASHER

M8 x 20 mm HEX SOCKET CAP HEAD

SCREW

M6 NYLOK NUT

M6 ZINC WASHER

HPF SHELF SUPPORT

HPF PUMP SHELF

M8x30 CK SCREW

FROM BS8412

HPF10041S

QTY.

1

1

1

1

8

8

2

2

2

1

2

SPARE PART

AVAILABILITY

SHT 2 OF

	2 SHTS
RE	VISION
1	6088
2	6180
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<u>NOTES:</u>

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

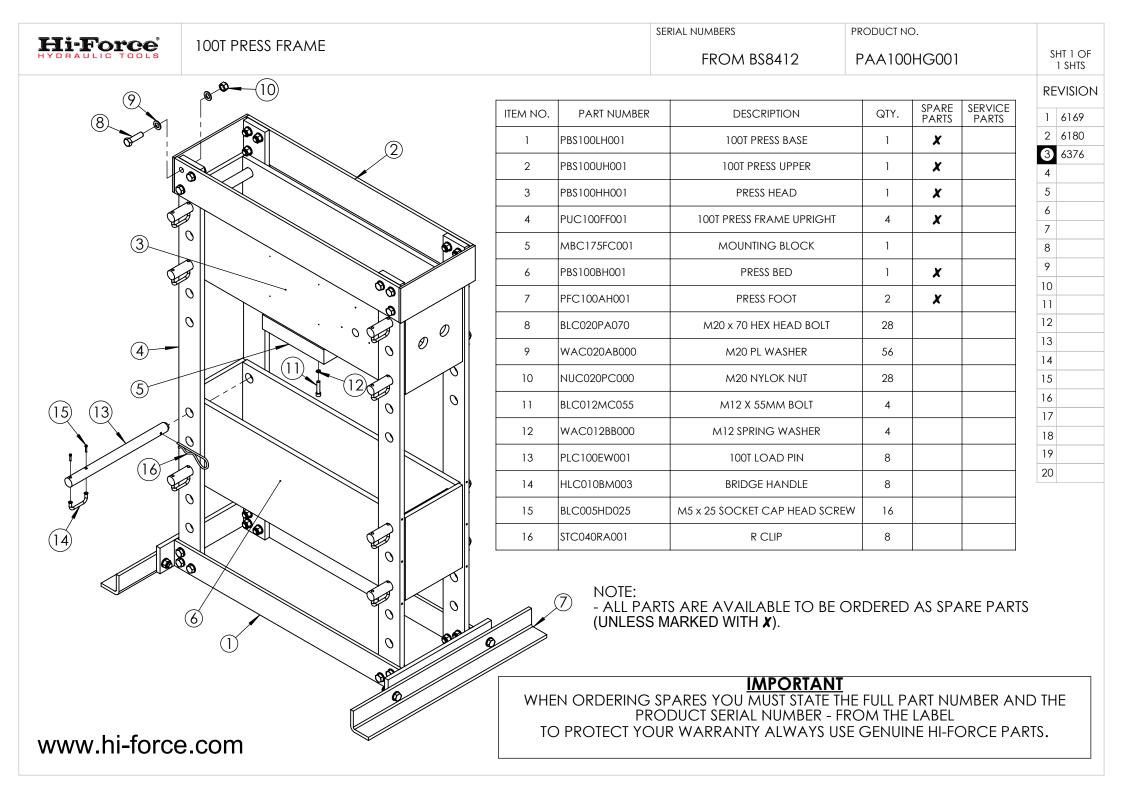
PART NUMBER

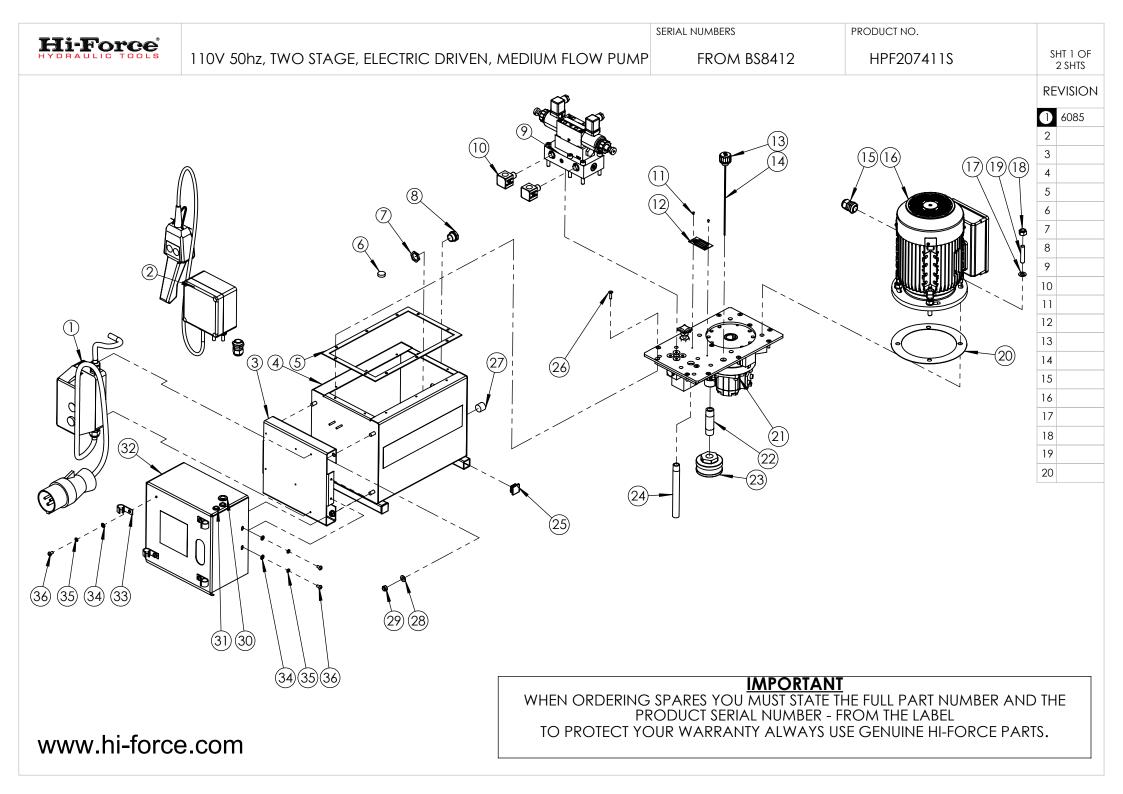
-FOR SUB ASSEMBLIES (ITEM NO.S 1,7 & 11) PLEASE REFER TO THEIR INDIVIDUAL EVD's

### **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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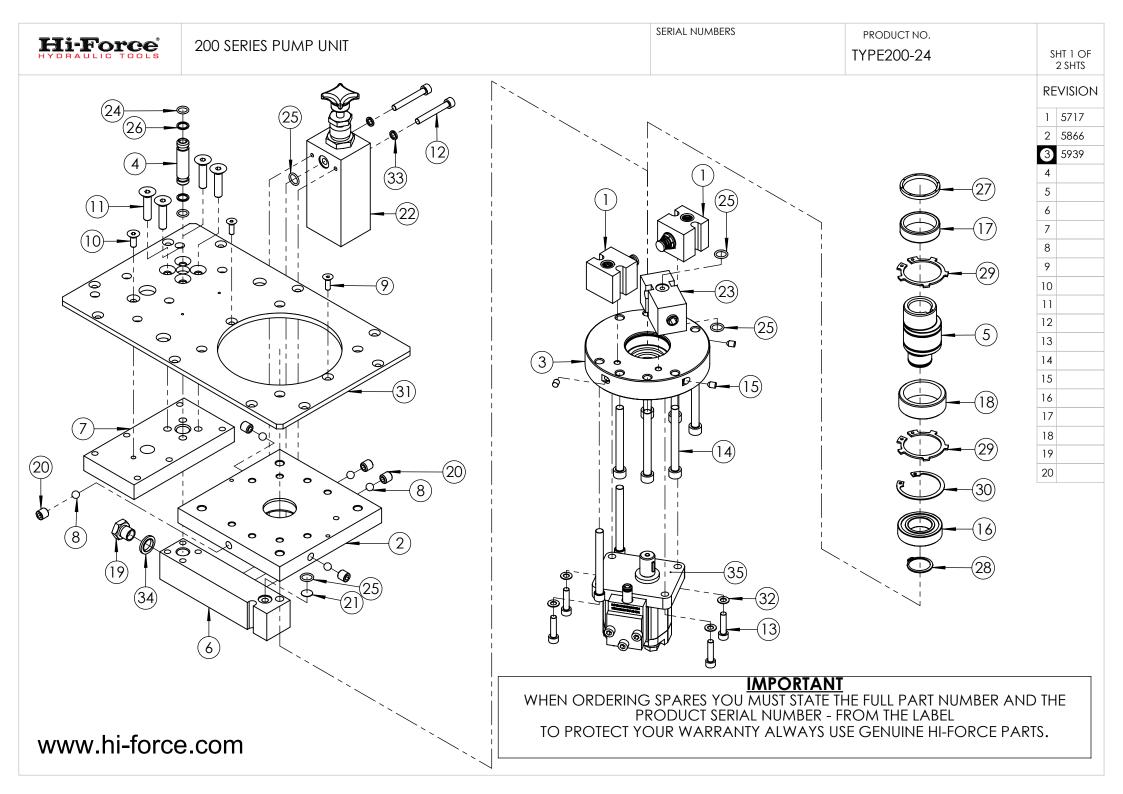




)	Hi-Ford							SERIAL NUMBERS	PRODUCT N			SHT 2 O
		110V 50hz, TWO STAGE, ELEC	CTRIC	DRIV	EN, ME	EDIU <i>I</i>	M FLOW PUM	P FROM BS8412	HPF2074	115		2 SHTS
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	REVISIC
1	EMA110UF002	MOTOR STARTER ASSEMBLY	1			24	TAC000PA001	160 mm LONG SUCTION PIPE	1			1 6085
2	EMA024TB001	POWER SUPPLY ASSY	1			25	BPC025KP001	1" SQ RIBBED INSERT BLACK	4			2
3	TAC000FS003	MOUNTING PLATE	1			26	BLC005HF020	M5 x 20 mm HEX SOCKET COUNTERSUNK SC	CREW 10			3
4	TAC010AS012	10L Tank	1			27	FPC013PC001	1/2" BSP PLUG - HEX SOCKET	1			4
5	15482	tank gasket	1		1	28	WAC008AB000	M8 PLAIN WASHER	4			6
6	DCSF00328	DOUBLE SIDED MAGNET	1			29	NUC008KC000	M8 NYLOC NUT	4			7
7	NUC021-B000	1/2" BSP LOCK NUT	2			30	SEC013EH001	12.7mm ID BLACK PVC OPEN GROMME	ET 1			8
8	BLC021YT010	SIGHT GLASS HGF.13 BLACK OIL LEVEL INDICATOR	2			31	SEC010EH001	9.5mm ID BLACK PVC OPEN GROMME	т 2			10
9	PMV4SD	4 WAY, ELECTRICALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE	1			32	TAC000FS004	HOUSING	1			11
10	HF16	ELBOW, 3/8" NPT FEMALE TO 3/8" NPT MALE	2			33	ANC015PC001	CABLE CLIP BLACK SCREW POLYACETAL CAB 15mm	LE CLIP, 4			12 13
11	FAS002HZ001	NO.4 x 3/16 HAMMER DRIVE SCREW	2			34	WAC006AF000	M6 ZINC WASHER	8			14
12	AAN000UP001	60 x 30 mm UNIVERSAL NAME PLATE	1	X		35	WAC006BC001	M6 SPRING ZINC WASHER (SQUARE SECTION	8 (ИС			15
13	BPC010SP002	FILLER	1			36	BLC006JH010	M6 X 10 mm, HEX SOCKET, BUTTON HEAD SO	CREW 8			16 17
14	BPC010DS001	ZINC PLATED DIPSTICK 239mm LONG	1								11	17
15	NUC020LS002	GLAND 6-12MM	1									19
16	EM110-1.1-4LAF	AMME (HIGH STARTING TORQUE), POWER 1.1kw, SPEED 4 POLE	1			1	NOTE:					20
17	WAC010AB000	M10 ZINC PLATED FLAT WASHER	4			1		ARTS ARE AVAILABLE TO BE ORDERED AS ED WITH <b>X</b> )	SPARE PARTS (	UNLESS		
18	NUC010LC000	M10 NYLOC NUT	4			1		PARTS MARKED WITH <b>√</b> ARE AVAILABLE A	S BOTH SPARE	PARTS		
19	FAS010MW050	M10 x 50 DOUBLE ENDED THREADED STUD	4			1	OR SEF	RVICEABLE PARTS, FROM HEP-SK1 PUMP S	ERVICE KIT. (RE			
20	SEC001KT003	GASKET	1		✓	1	HEP-SK	K1 : PUMP SERVICE KIT EVD FOR FULL PART	3 LIST)			
21	TYPE200-24	200 SERIES PUMP UNIT	1			1		UB ASSEMBLIES (ITEM NO.S 1, 2, 9 & 21) PL DUAL EVD's.	EASE REFER TO	) THEIR		
22	FPC013AC010	1/2" BSPT SUCTION PIPE	1			1						
23	FFC045MZ001	FILTER	1			1	-11EM 1	NO.S 13 & 14 MUST BE ORDERED TOGETHE	Γ			

#### 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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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	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.

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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

16

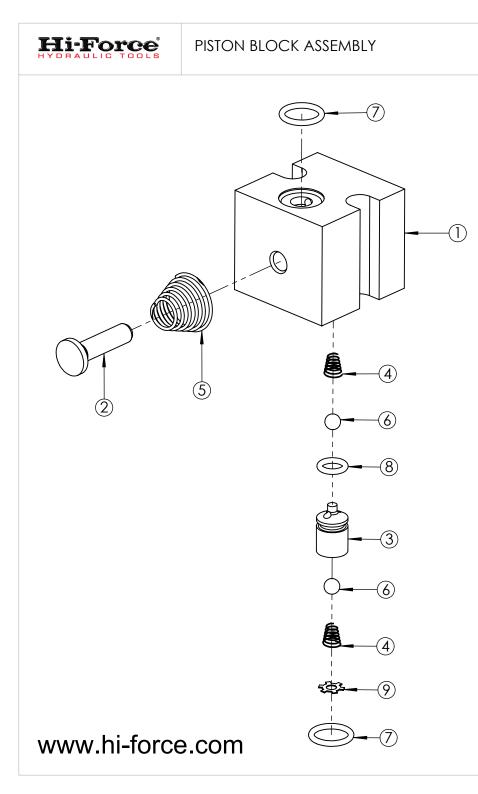
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PRODUCT NO.

TYPF200-24



	SERIAL NUMBERS		PRODUCT NO.			VE	rsion		
			15494-A			C	)1		ht 1 Of 1 Shts
ITE <i>I</i> NC	<sup>M</sup> 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 <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 AUTSDC001	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)

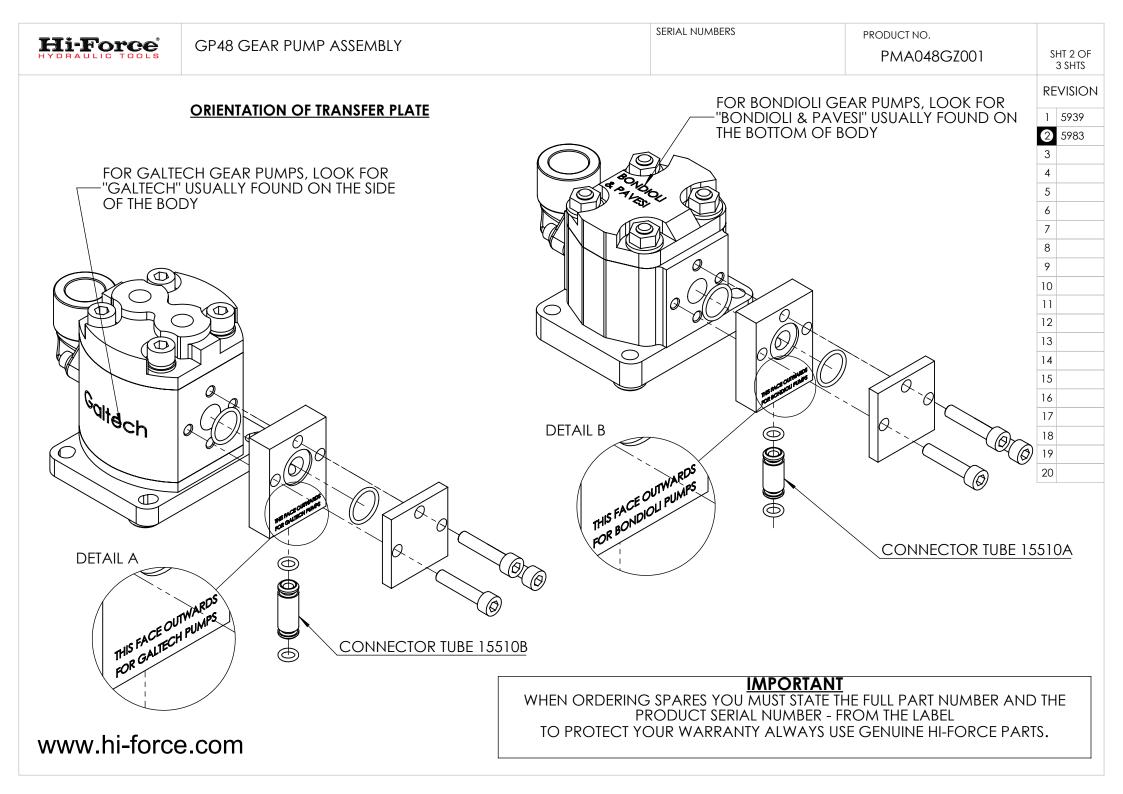
ITEM NO. 3 USED IS DETERMINED BY THE BRAND OF THE GP48 GEAR PUMP SUPPLIED FOR HEP, HAP AND HPP PUMPS WITH SERIAL NUMBERS EARLIER THAN **BR9070**. FOR BONDIOLI GEAR PUMPS USE CONNECTOR TUBE 15510A AND FOR GALTECH GEAR PUMPS USE CONNECTOR TUBE 15510B (REFER TO SHEET 2 FOR FURTHER DETAILS)

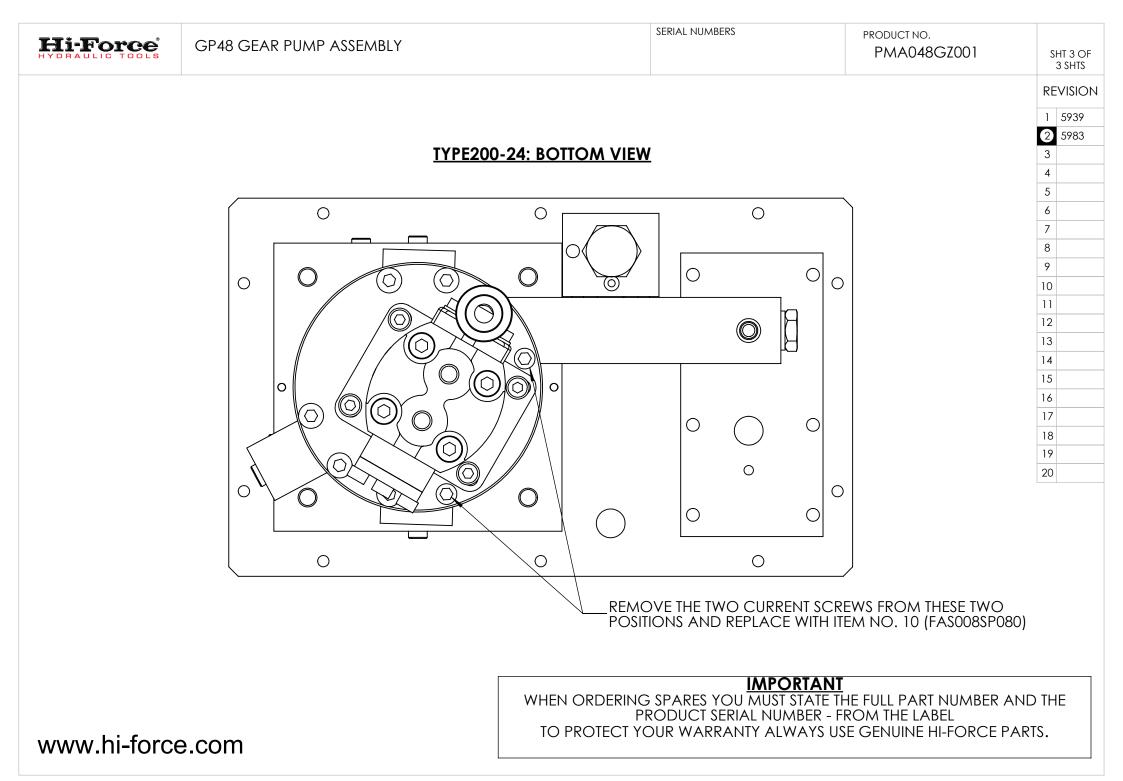
- ITEM NO.10 (FAS008SP080) ARE TO REPLACE TWO SCREWS (BLC008KC080) ON THE TYPE200-24, PRIOR TO FITTING PMA048GZ001 (REFER TO SHEET 3 FOR FURTHER DETAILS)

- 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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			S	SERIAL NUMBERS	PRODUCT NO.	١	/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	SUTTONS P1MT	1		<b>1</b> 5717
	$H_{-}$	2	EMC110KF001	CONTACTOR 110	) VOLT	1		2
		3	EMC230RF001	OVERLOAD RELAY 1	3-18 AMPS	1		3
		4	EMC110XF001	BRIDGING BA	٨R	1		4
	(1) (5)	5	NUC020LS002	GLAND 6-12A	١M	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, CAI	P HEAD SCREW	2		9
(12) -		10	WAC004YB000	M4 WASHER	ST	2		10
(13)		11	MCC110EP001	110V PLUG		1		11
2		12	CEC250SX001	BOOTLACE FERRULE (INSU GREY	ILATED) 2.5mm	8		12 13
		13	CEC250SX002	TWIN BOOTLACE FERRU	JLE 2.5 mm <sup>2</sup>	3		14
			NOTE: - ALL PARTS AR (UNLESS MAR	E AVAILABLE TO BE ORDEREE (ED WITH <b>X</b> ).	) AS SPARE PART	S		16       17       18       19       20
www.hi-force	e.com		PRC	<mark>IMPORTAN</mark> Spares you must state t Dduct serial number - JR warranty always u	THE FULL PART N ROM THE LABI	ΞL		

••• ••• ••		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
	<b>n</b> <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

лр м LVE	OUNTED	SERIAL NUMBERS	PRODUCT NO PMV		D			ht 1 Of 1 Shts
ITEM NO.	PART NUMBER	DESCRIPTION	G	QTY.	SPARE PARTS	SERVIC E PARTS		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 S	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 PL	UG	3			8 9	
8	VFA000CE005	DIRECTIONAL CONTROL VALVE - TANDEM CEN DC	NTRE 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 SECTION	ON)	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, NITRI	_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	IOR	2			18	
16	FPC010PN002	3/8" X 7/8" NPT SOCKET PLUG		1			19	
		•	I				20	

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

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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 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	<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	• 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
				6				I	12
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		000							14
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	0	<b>q 1</b> 2	$\sim$						19
		(6) (3)							20
www.hi-force	e.com		PR	RODUCT	YOU SERIA	al number - F	<b>I</b> The full part number A FROM THE LABEL SE GENUINE HI-FORCE P		

Hi-Force		(F)		SERIAL NUMBERS		PRODUCT NO.	VERSI	VERSION	
IVDRAULIC TOOLS	SERVICE KIT (SOLENOID VALVE)					DCV-S1	01		SHT 1 OF 1 SHTS
			ITEM NO.	PART NUMBE	R DES	SCRIPTION		QTY.	REVISIC
			1	SEC014RF002	O-RING - I.D. 10.82 n (E	nm C.S. 1.78 mm, <sup>v</sup> 3ROWN)	VITON 90	1	<ol> <li>5717</li> <li>2</li> </ol>
			2	SEC011RF002	, O-RING - I.D. 7.66 m (E	m, C.S. 1.78 mm, \ 3ROWN)	/ITON 90	3	3
		(5)	3	SEC011RF001	O-RING, I.D. 7.66 mr	m, C.S. 1.78 mm, N	ITRILE 90	4	5
		Ť	4	SEC006RA002	2 O-RING - I.D. 2.9 mr	m, C.S. 1.78mm, NI	TRILE 70	1	6
			5	SEC057RA00	0-RING - I.D. 50	).39 mm, C.S. 3.53	mm	1	7
					1			-	8
									9
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				PRODUC	IMPORTAN S YOU MUST STATE T SERIAL NUMBER - ARRANTY ALWAYS U	THE FULL PART NI FROM THE LABEL	-		

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