

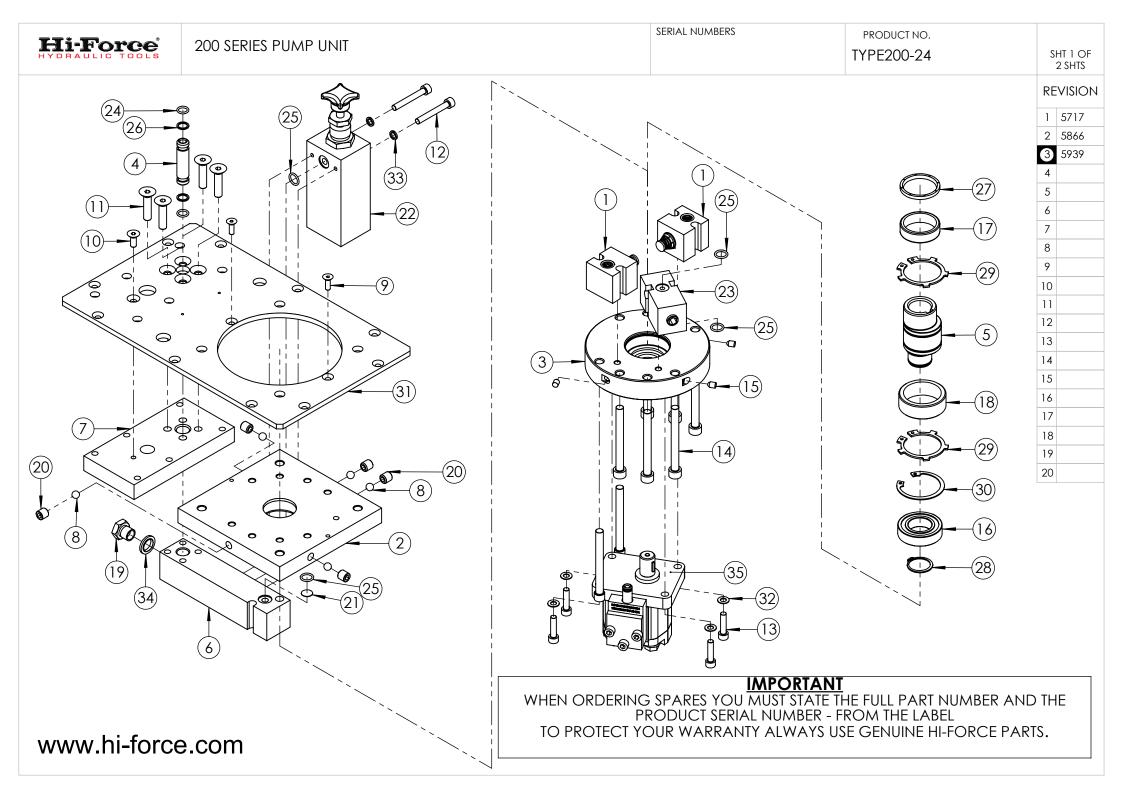
	i-Force	8						SERIAL NUMBERS		PRODUC	CT NO.
НҮС	DRAULIC TOOLS	230V 50HZ, TWO STAGE	E, ELEO	CTRIC	DRIVEN	, MED	IUM FLOW PUN	MP FROM BQ6615		HEP207	7412
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS
1	TAC010AS012	10L Tank	1			27	15482	TANK GASKET	1		1
2	BLC021YT010	SIGHT GLASS HGF.13 BLACK OIL LEVEL INDICATOR	2			28	BPC010SP002	FILLER	1		
3	DCSF00328	DOUBLE SIDED MAGNET	1			29	TAC000FS003	MOUNTING PLATE	1		
4	FPC013PC001	1/2" BSP PLUG - HEX SOCKET	1			30	NUC008KC000 M8 NYLOC NUT		4		
5	NUC021-B000	1/2" BSP LOCK NUT	2			31	TAC000FS004	HOUSING	1		
6	BPC025KP001	1" SQ RIBBED INSERT BLACK	4			32	BLC006JH010	M6 X 10 mm BUTTON HEAD HEX SOCKET SCREW	8		
7	TAC010CS002	10L ROLL FRAME	1			33	WAC006AF000	M6 ZINC WASHER	8		
8	BLC008KD020	M8 x 20 mm HEX SOCKET CAP HEAD SCREW	4			34	WAC006BC001	M6 SPRING ZINC WASHER (SQUARE SECTION)	4		
9	WAC008AB000	M8 PLAIN WASHER	8			35	ANC015PC001	CABLE CLIP BLACK SCREW POLYACETAL CABLE CLIP, 15mm	4		
10	WAC008BB000	M8 ZINC PLATED SPRING WASHER	4			36	SEC013EH001	12.7mm ID BLACK PVC OPEN	1		
11	TYPE200-24	200 SERIES PUMP UNIT	1					GROMMET 12.7mm OD BLACK PVC BLIND	-		
12	EM230-1.5-4LAF	ELECTRIC MOTOR 1.5KW 230VAC	1			37	SEC013EH002	GROMMET	2		
13	SEC001KT003	GASKET	1		~						
14	BLC010LB035	M10 x 35 mm HEX HEAD BOLT, ZINC PLATED	4								
15	WAC010AB000	M10 ZINC PLATED FLAT WASHER	4								
16	WAC010BZ000	M10 SPRING WASHER	4				<u>NOTE:</u>				
17	NUC020LS002	GLAND 6-12MM	1					RE AVAILABLE TO BE ORDERED	12 24		
18	EMA230UE001	MOTOR STARTER ASSEMBLY 230V	1				MARKED WITH				
19	PMV4L	4 WAY, MANUALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE WITH LOAD HOLDING	1					MARKED WITH <b>√</b> ARE AVAILABL BLE PARTS, FROM <b>HEP-SK1 PU</b>	-		
20	PGP063AK001	HEP & HAP PRESSURE GAUGE ASSEMBLY	1				HEP-SK1: PUN	1P SERVICE KIT EVD FOR FULL F	PARTS	LIST)	·
21	AAN000UP001	60 x 30 mm UNIVERSAL NAME PLATE	1	x			- FOR SUB ASSE	Emblies (ITEM NO.S 11,18,19 &	. 20) F	LEASE R	EFER TO
22	FAS002HZ001	NO.4 x 3/16 HAMMER DRIVE SCREW	2				THEIR INDUVIE	•	,		
23	TAC000PA001	160 mm LONG SUCTION PIPE	1								
24	FPC013AC010	1/2" BSPT SUCTION PIPE	1								
25	FFC045MZ001	FILTER	1					IMPORTA			
26	BLC005HF020	M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW	10			]	WHEN ORDERIN	NG SPARES YOU MUST STAT PRODUCT SERIAL NUMBER	TE TH		
							TO PROTECT	YOUR WARRANTY ALWAY			

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AND THE YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS. IO PROIECI

SHT 2 OF 2 SHTS

REVISION



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	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		~
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

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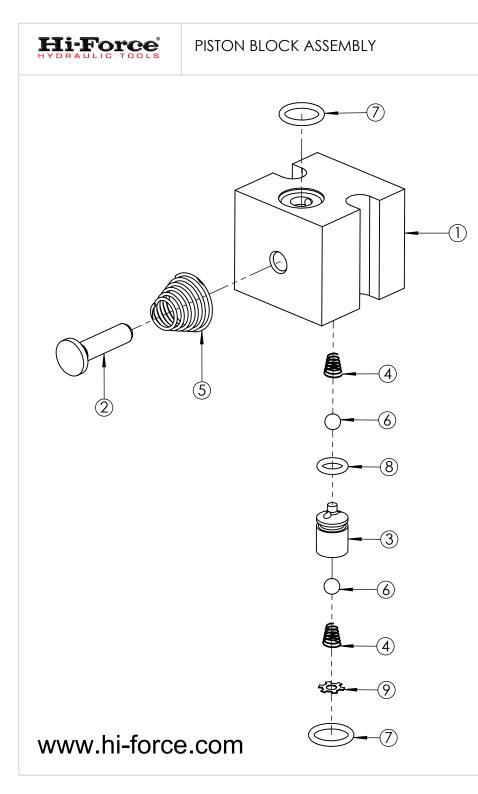
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PRODUCT NO.

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	PISTON BLOCK					1	5717
2	15495	PISTO	PISTON					2	5866
3	15496	VALVE	VALVE SEAT					3	
4	15509	SUCTION/DELIV	SUCTION/DELIVERY SPRING		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				1 100 100 200 1					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 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)

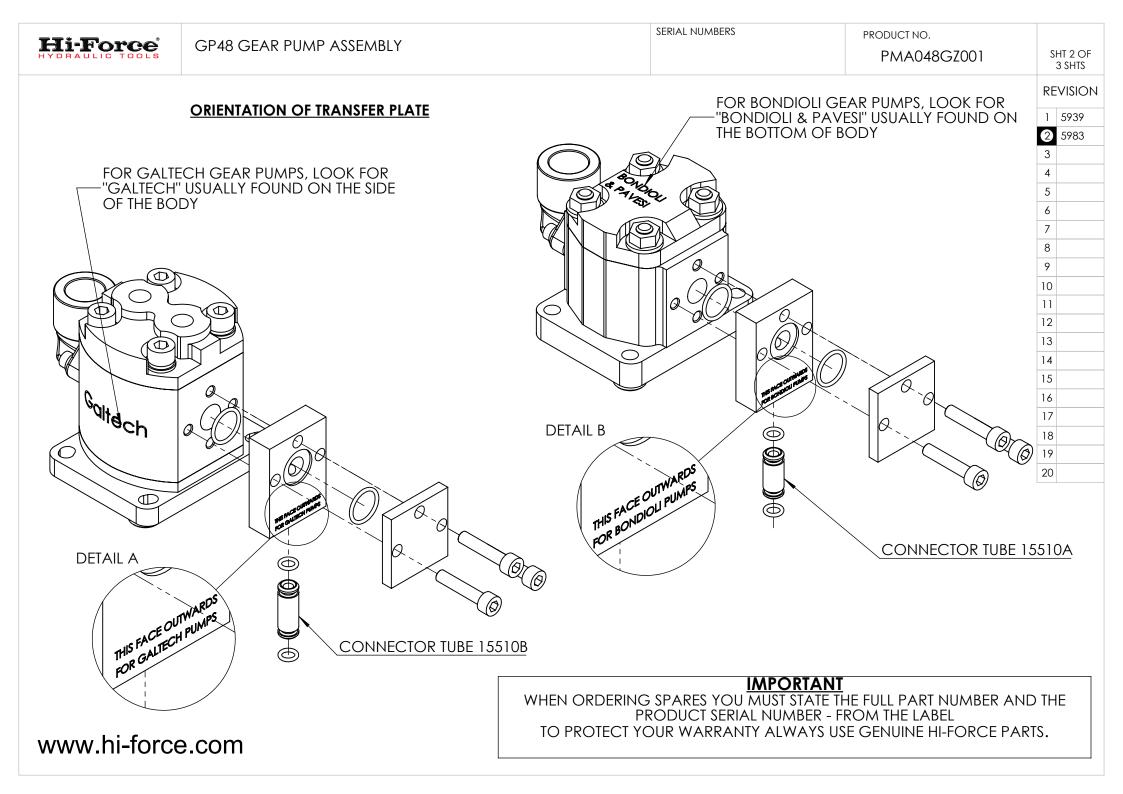
ITEM NO. 3 USED IS DETERMINED BY THE BRAND OF THE GP48 GEAR PUMP SUPPLIED FOR HEP, HAP AND HPP PUMPS WITH SERIAL NUMBERS EARLIER THAN **BR9070**. FOR BONDIOLI GEAR PUMPS USE CONNECTOR TUBE 15510A AND FOR GALTECH GEAR PUMPS USE CONNECTOR TUBE 15510B (REFER TO SHEET 2 FOR FURTHER DETAILS)

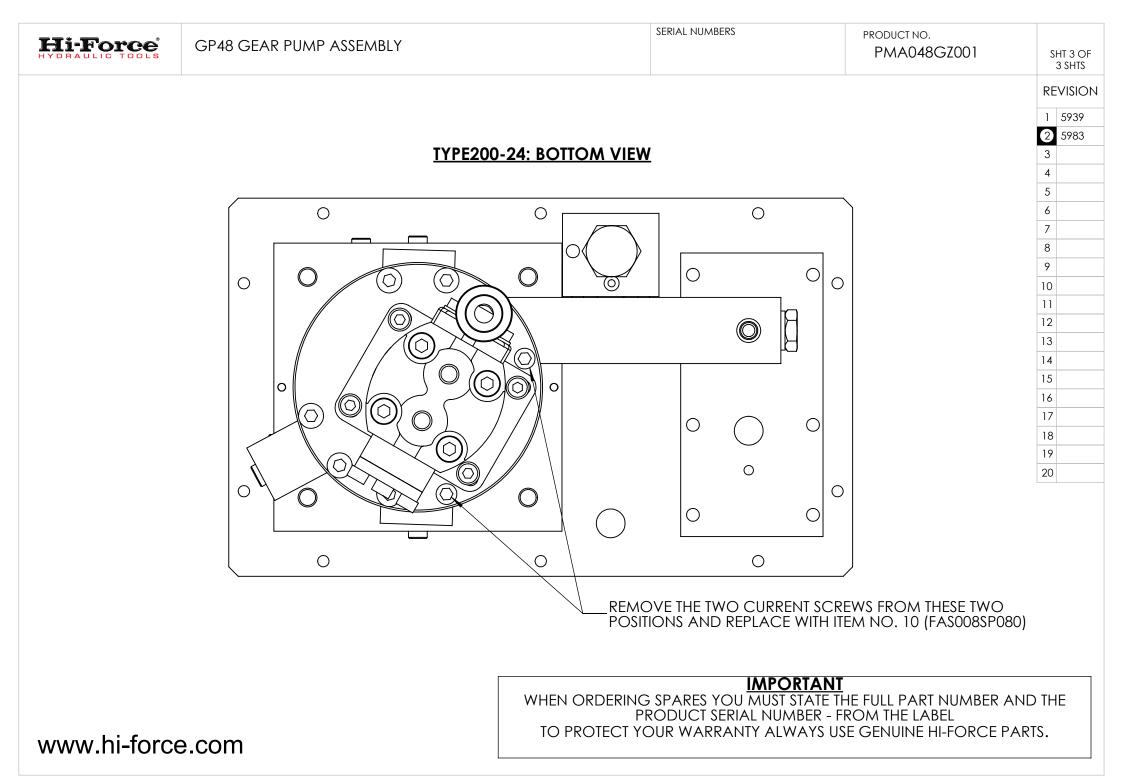
- ITEM NO.10 (FAS008SP080) ARE TO REPLACE TWO SCREWS (BLC008KC080) ON THE TYPE200-24, PRIOR TO FITTING PMA048GZ001 (REFER TO SHEET 3 FOR FURTHER DETAILS)

- 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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Hi-Force	MOTOR STARTER ASSEMBLY 230V			SERIA	AL NUMBERS
	$\sim$	ITEM NO.	PART NUME	BER	DESC
		1	EMC000EFC	001	ENCLOSU BUTTC
	(9)	2	EMC230KEC	201	CONTACT
		3	EMC230REC	201	OVERLOAD R
	<u> </u>	4	EMC110XFC	001	BRIDO
		5	NUC020LSC	)02	GLANI
		6	CEC250SXC	001	BOOTLA (INSULATED
_		7	CEC250SXC	002	TWIN BOOTL/ r
(7)-		8	CEC250AC	000	SINGLE CORE 2.5
$\sim$		9	CEC250CC	000	3 CORE CA H07R1
		10	MCC240EP	002	240V 16
		11	WAC004YB	000	M4 W
		12	BLC004JD0	)16	M4 X 16 HEX HEAD
				PARI	IS ARE AVAILA MARKED WITH
www.hi-force		WHEN O TO PI	ORDERING PR ROTECT YO	SPA OD OUR	IM ARES YOU MU UCT SERIAL M WARRANTY J

		EMA	4230U	E001	01	SHT 1 OF 1 SHTS
rt numbe	er description		QTY.	SPARE PARTS	SERVICE PARTS	REVISION
C000EF00	DI ENCLOSURE WITH PUSH BUTTONS P1MT	1	1			<b>1</b> 5717
C230KE0	01 CONTACTOR 230 VOL	Г	1			3
C230RE0	01 OVERLOAD RELAY 8-11 A	MPS	1			4
C110XF00	01 BRIDGING BAR		1			5
C020LS00	02 GLAND 6-12MM		2			6
C250SX00	DI BOOTLACE FERRULE (INSULATED) 2.5mm GRI	ΞY	8			7
C2508X00	TWIN BOOTLACE FERRULE	2.5	3			8
C250AC0	00 SINGLE CORE TR-RATED C/ 2.5 mm2	<b>ABLE</b>	1			10 11
C250CC0	00 3 CORE CABLE 2.5mm^ H07RN-F3G 2.5	2	2			12
C240EP0	02 240V 16 Amp PLUG		1			13
C004YB0	00 M4 WASHER ST		2			14
C004JD01	16 M4 X 16 HEX SOCKET, CA	٩P	2			16
	· ·			I		17
						18

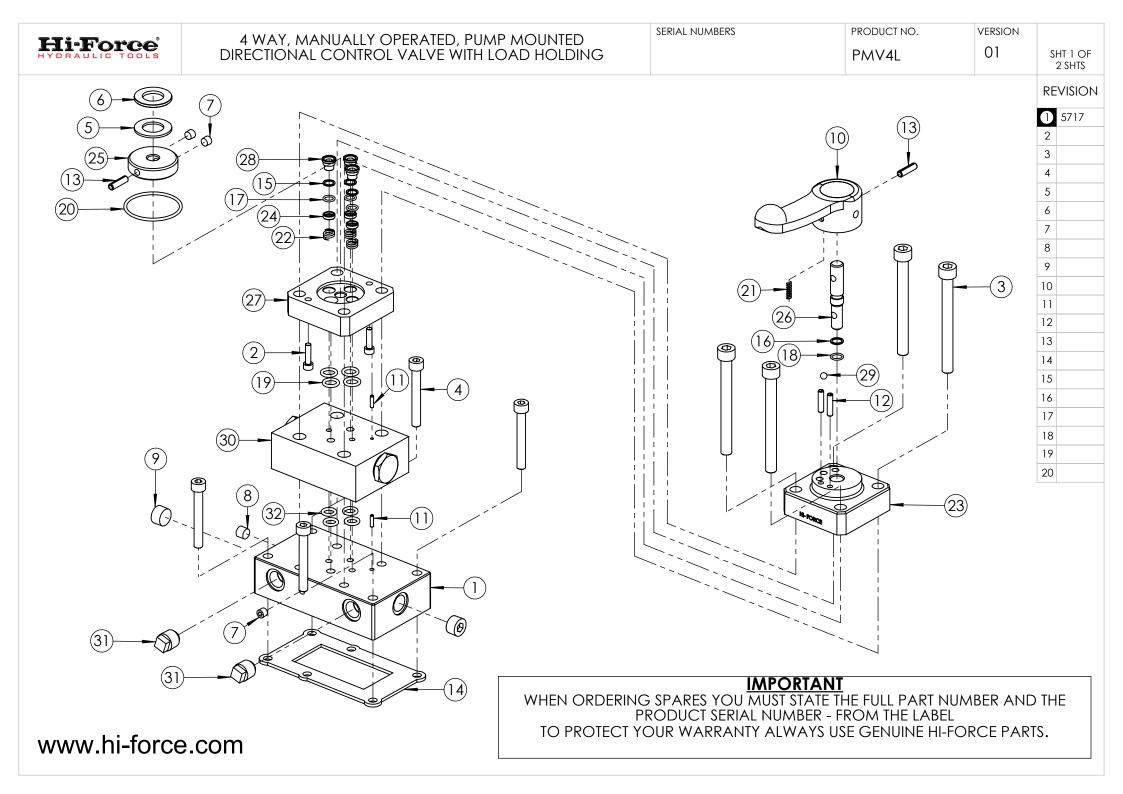
PRODUCT NO.

VERSION

19 20

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

### 4 WAY, MANUALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE WITH LOAD HOLDING

SERIAL NUMBERS

PRODUCT NO.

PMV4I

SHT 2 OF
2 SHTS

10 11

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VERSION

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS
1	VFC010BF007	VALVE MOUNTING BLOCK	1		
2	BLC005HU020	M5 x 20 mm HEX SOCKET CAP HEAD SCREW	2		
3	BLC010LC100	M10 x 100 mm HEX SOCKET CAP HEAD SCREW	4		
4	BLC008KC060	M8 x 60 mm HEX SOCKET CAP HEAD SCREW	4		
5	BSC035NA001	NEEDLE BEARING	1		
6	BSC035NA002	HOUSING WASHER	1		
7	FPC002PN001	1/16" x 7/8" NPT SOCKET PLUG	3		
8	FPC003PN001	1/8" x 3/4" NPT TAPER DRY SEAL PRESS PLUG	1		
9	FPC010PN002	3/8" X 7/8" NPT SOCKET PLUG	2		
10	HLC012LP002	HANDLE	1		
11	PCC003RB006	Ø3 x 12 mm SELLOCK PIN	2		
12	PCC005RD002	Ø5 x 22 mm SPIROL PIN	2		
13	PCC006RD001	Ø6 X 22 mm SPIROL PIN	2		
14	SEC003KT001	VALVE GASKET	1		✓
15	SEC011BA001	BACK UP RING	3		✓
16	SEC012BA002	BACK UP RING	1		$\checkmark$
17	SEC011RA001	O-RING - I.D. 8.10 mm, C.S. 1.6 mm, NITRILE 90	3		~
18	SEC012RA003	O-RING - I.D. 9 mm, C.S. 1.50 mm, NITRILE 70	1		~
19	SEC016RA002	O-RING - I.D. 10.77 mm, C.S. 2.62 mm, NITRILE 70	4		~
20	SEC049RF001	O-RING - I.D. 48.90 mm, C.S. 2.62 mm, NITRILE 90	1		~
21	SPC005KA001	SPRING	1		
22	SPC010CA001	SPRING	3		
23	VFC000BD003	VALVE BODY	1		
24	VFC000SC001	SHEAR SEAL COLLAR	3		
25	VFC000SQ002	VALVE ROTOR	1		

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				1 //// 46					2 SHTS
ITEM NO.	PART N	UMBER	DESCRIPTIO	N	QTY.	SPARE PARTS	SERVICE PARTS	RE	VISION
26	VFC000	)SR002	SPINDLE		1			0	5717
27	VFC000	OSTOO 1	SHEAR SEAL PI	ATE	1			2	
28	VFC000	)SU001	Shear sea	L	3			3	
29	BACOO	55N000	Ø6 mm STEEL I	BALL	1			4	
30	V-82	245	DUAL CHECK V	ALVE	1			5	
31	BPC010	)SP004	3/8 NPT PLASTIC BLAN (RED)	IKING PLUG	2			6 7	
32	SEC014	RA001	O-RING - I.D. 9.19mm, NITRILE 90		4		✓	8 9	
						•			

### NOTE:

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS (UNLESS MARKED WITH  $\bigstar$ ).
- ONLY PARTS MARKED WITH JARE AVAILABLE AS BOTH SPARE PARTS OR SERVICEABLE PARTS, FROM DCV-M1 : SERVICE KIT (3 & WAY MANUAL VALVES). (REFER TO DCV-M1 EVD FOR FULL PARTS LIST)
- IF ITEM NO. 30 IS ORDERED AS A SPARE PART, THIS ALREADY COMES WITH ITEM NO. 32. THEREFORE THESE ARE NOT REQUIRED TO BE ORDERED SEPERATELY.

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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.

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		<ol> <li>5717</li> <li>2</li> </ol>
			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 <b>X</b> ).			

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 SERVI	CE KIT		SERIAL NUMBE	ERS		PRODUCT NO. HEP-SK1		SHT 1 OF 1 SHTS
	1			ſ	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		i					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 (3 & 4 WAY MANUAL VALVES)			PRODUCT NO. VE		NО	SHT 1 OF	
			1				1 SHTS	
		NO.	PART NUMBER	DESCRIPTION		QTY.	REVISIO	
		1	SEC003KT001	VALVE GASKET		1	1 5717	
	(1)	2	SEC049RF001	O-RING - I.D. 48.90 r C.S. 2.62 mm, NITRIL	mm, .E 90	1	2	
		3	SEC016RA002	O-RING - I.D. 10.77 r C.S. 2.62 mm, NITRIL	mm, .E 70	4	4	
		4	SEC012BA002	BACK UP RING		1	5	
		5	SEC012RA003	O-RING - I.D. 9 mm, 1.50 mm, NITRILE	C.S. 70	1	6 7	
		6	SEC011BA001	BACK UP RING		3	8	
		7	SEC011RA001	O-RING - I.D. 8.10 mm 1.6 mm, NITRILE 9	n, C.S. 90	3	9 10	
		8	SEC014RA001	O-RING - I.D. 9.19mm 2.62mm, NITRILE 9	n, C.S. 90	4	11 12	
	3	9	SEC010RF002	O-RING - I.D. 4.42 mm 2.62 mm, NITRILE	n, C.S. 70	1	13	
							15	
							16 17	
							18	
	(5)  [0]  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)  (0)	-					19	
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