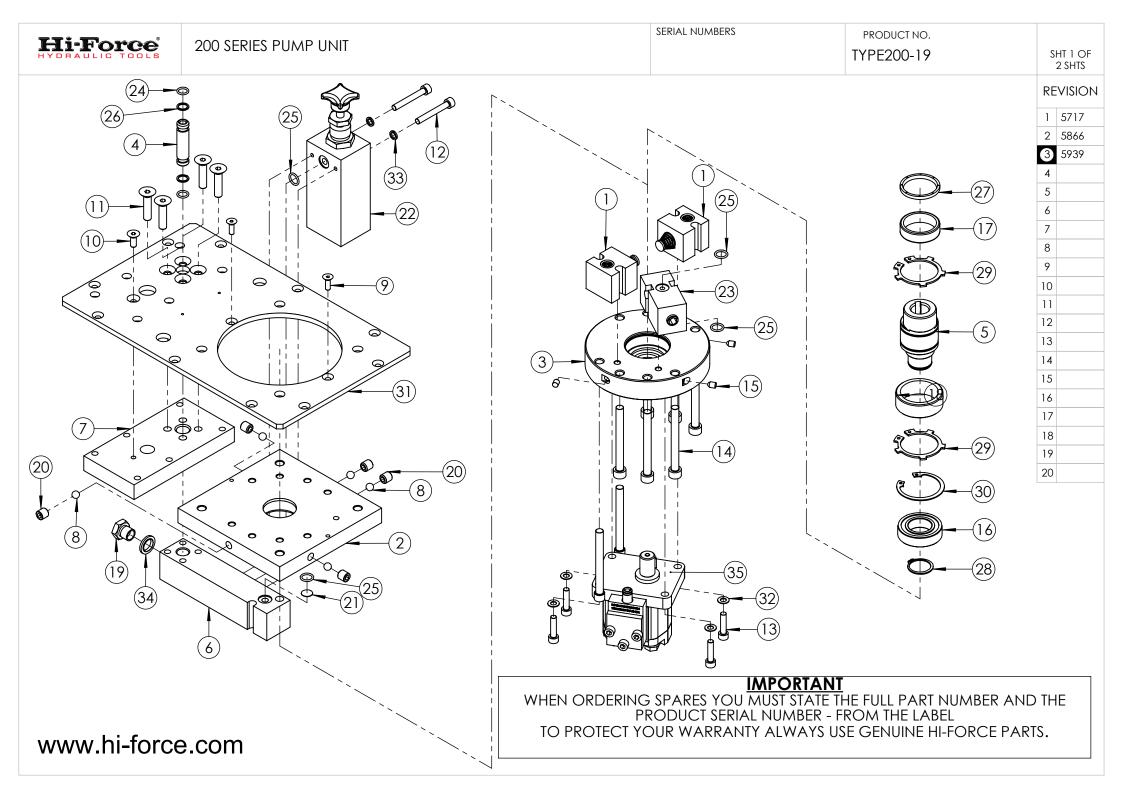


	i-Force							SERIAL NUMBERS	PRODUC	CT NO.		
нүрі	RAULIC TOOLS	AIR DRIVEN, TWO) stag	EPUM	Р			FROM BP7151	HAP	21041		SHT 2 OF 2 SHTS
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	REVISION
1	TAC010AS012	10L Tank	1			23	HOC012AB001	1/2" BORE RED PVC HOSE 750mn LONG	ו ^ו			1
2	BLC021YT010	SIGHT GLASS HGF.13 BLACK OIL LEVEL INDICATOR	2			24	AAN000UP001	60 x 30 mm UNIVERSAL NAME PLATE	1	×		2 6145
3	DCSF00328	DOUBLE SIDED MAGNET	1			25	FAS002HZ001	NO.4 x 3/16 HAMMER DRIVE SCRE	W 2			3
4	FPC013PC001	1/2" BSP PLUG - HEX SOCKET	1			26	TAC000PA001	160 mm LONG SUCTION PIPE	1			4
5	NUC021-B000	1/2" BSP LOCK NUT	2			27	FPC013AC010	1/2" BSPT SUCTION PIPE	1			6
6	BPC025KP001	1" SQ RIBBED INSERT BLACK	4			28	FFC045MZ001	FILTER	1			7
7	TAC010CS002	10L ROLL FRAME	1			29	BLC005HF020	M5 x 20 mm HEX SOCKET COUNTERSUNK SCREW	10			8
8	BLC008KD020	M8 x 20 mm HEX SOCKET CAP HEAD SCREW	4			30	15482	TANK GASKET	1	×	✓	9
9	WAC008AB000	M8 PLAIN WASHER	8			31	BPC010SP002	FILLER	1			11
10	WAC008BB000	M8 ZINC PLATED SPRING WASHER	4			32	TAC000FS005	FRL HOUSING	1			12
11	TYPE200-19	200 SERIES PUMP UNIT	1			33	NUC008KC000	M8 NYLOC NUT	4			13
12	AM1	AIR MOTOR	1				1		I.	1		14
13	SEC001KT003	GASKET	1	×	✓							15 16
14	BLC010LB035	M10 x 35 mm HEX HEAD BOLT, ZINC PLATED	4									17
15	WAC010AB000	M10 ZINC PLATED FLAT WASHER	4									18
16	WAC010BZ000	M10 SPRING WASHER	4									19 20
17	PMV4L	4 WAY, MANUALLY OPERATED, PUMP MOUNTED DIRECTIONAL CONTROL VALVE WITH LOAD HOLDING	1			NOT		VAILABLE TO BE ORDERED	as indi		l Spare i	
18	PGP063AK001	HEP & HAP PRESSURE GAUGE ASSEMBLY	1				LESS MARKED	WITH ×).				
19	MCC000AF002	FILTER/LUBRICATOR	1					ED WITH 🗸 ARE AVAILABLE	SERVIC	EABLE	PARTS FC	DUND IN:
20	FRL-G160L	AIR PRESSURE GAUGE DIA 80mm	1			SER\	VICE KIT HEP-S	SK1				
21	WAC004YB000	M4 WASHER ST	2			- FO	R SUB ASSEM	BLIES (ITEM NO.S 11, 17 & 18) PLEAS	E REFE	r to	
22	NUC004VC000	NUT	2			THEI	R 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.



		200 SERIES PUMP UNIT			
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	15498	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		\checkmark
25	SEC014RF001	O-RING - I.D. 10.82 mm, C.S. 1.78 mm, NITRILE 90	4		~

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			-					2 SHTS
PART	NUMBER	DESCRIPTION		QTY.			RE	VISION
SEC01	3BA001	BACK-UP RING - PTFE SPLIT	e, solid	2		\checkmark	1	5717 5866
SEC03	5WE001	UPPER PLATE OIL	SEAL	1			2	5939
STC02	5AA001			1			4	
STC04	0AA001			2			5 6	
STC04	7BA001			1			7 8	
TAC00)0BA003	COVER PLATE	-	1			9	
WAC0	06AF000	M6 ZINC WASH	ER	4			10	
WACO	06BC001			2			11	
		•	,				12	
WACO	07HD000			1			13	
	1907001			1			14	
F MAU	+0.92001	GI 40 GLAR FUMF AS	SLIVIDLI	I			15	
	SEC01 SEC03 STC02 STC04 STC04 STC04 WAC0 WAC0	PART NUMBER SEC013BA001 SEC035WE001 STC025AA001 STC040AA001 STC047BA001 TAC000BA003 WAC006AF000 WAC006BC001 WAC007HD000 PMA048GZ001	SEC013BA001BACK-UP RING - PTFE SPLITSEC035WE001UPPER PLATE OIL 3STC025AA001EXTERNAL CIRCLIP - mm D1400/02STC040AA001EXTERNAL CIRCLIP - 4 mm D2100/040STC047BA001INTERNAL CIRCLIP - 4 mm D1300/047TAC000BA003COVER PLATEWAC006BC001M6 SPRING ZINC W (SQUARE SECTIOWAC007HD0001/4" BSP SELF CENT BONDED WASH	SEC013BA001BACK-UP RING - PTFE, SOLID SPLITSEC035WE001UPPER PLATE OIL SEALSTC025AA001EXTERNAL CIRCLIP - 25 x 1.2 mm D1400/025STC040AA001EXTERNAL CIRCLIP - 40 x 1.75 mm D2100/0400STC047BA001INTERNAL CIRCLIP - 40 x 1.75 mm D1300/0470TAC000BA003COVER PLATEWAC006AF000M6 SPRING ZINC WASHER (SQUARE SECTION)WAC007HD0001/4" BSP SELF CENTERING BONDED WASHER	SEC013BA001BACK-UP RING - PTFE, SOLID SPLIT2SEC035WE001UPPER PLATE OIL SEAL1STC025AA001EXTERNAL CIRCLIP - 25 x 1.2 mm D1400/0251STC040AA001EXTERNAL CIRCLIP - 40 x 1.75 mm D2100/04002STC047BA001INTERNAL CIRCLIP - 47 x 1.75 mm D1300/04701TAC000BA003COVER PLATE1WAC006BC001M6 SPRING ZINC WASHER (SQUARE SECTION)2WAC007HD0001/4" BSP SELF CENTERING BONDED WASHER1	PART NOMBERDESCRIPTIONQTT. PARTSSEC013BA001BACK-UP RING - PTFE, SOLID SPLIT2SEC035WE001UPPER PLATE OIL SEAL1STC025AA001EXTERNAL CIRCLIP - 25 x 1.2 mm D1400/0251STC040AA001EXTERNAL CIRCLIP - 40 x 1.75 mm D2100/04002STC047BA001INTERNAL CIRCLIP - 47 x 1.75 mm D1300/04701TAC000BA003COVER PLATE1WAC006AF000M6 ZINC WASHER4WAC006BC001M6 SPRING ZINC WASHER BONDED WASHER1	SEC013BA001BACK-UP RING - PTFE, SOLID SPLIT2✓SEC035WE001UPPER PLATE OIL SEAL1STC025AA001EXTERNAL CIRCLIP - 25 x 1.2 mm D1400/0251STC040AA001EXTERNAL CIRCLIP - 40 x 1.75 mm D2100/04002STC047BA001INTERNAL CIRCLIP - 47 x 1.75 mm D1300/04701TAC000BA003COVER PLATE1WAC006BC001M6 SPRING ZINC WASHER (SQUARE SECTION)2WAC007HD0001/4" BSP SELF CENTERING BONDED WASHER1	PART NUMBERDESCRIPTIONQTY.SPARE PARTSSERVICE PARTSRESEC013BA001BACK-UP RING - PTFE, SOLID SPLIT2✓1SEC035WE001UPPER PLATE OIL SEAL13STC025AA001EXTERNAL CIRCLIP - 25 x 1.2 mm D1400/02514STC040AA001EXTERNAL CIRCLIP - 40 x 1.75 mm D2100/040026STC047BA001INTERNAL CIRCLIP - 47 x 1.75 mm D1300/047017TAC000BA003COVER PLATE19WAC006AF000M6 SPRING ZINC WASHER (SQUARE SECTION)211WAC007HD0001/4" BSP SELF CENTERING BONDED WASHER113PMA048G7001GP48 GEAR PLIMP ASSEMBLY114

PRODUCT NO. TYPE200-19

SHT 2 OF

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NOTE:

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

SERIAL NUMBERS

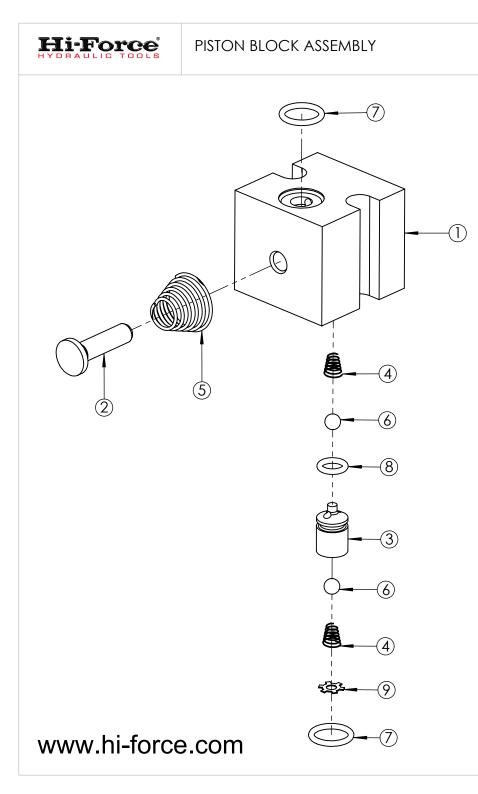
- ONLY PARTS MARKED WITH VARE AVAILABLE AS BOTH SPARE PARTS OR SERVICEABLE PARTS, FROM **HEP-SK1 PUMP SERVICE KIT.** (REFER TO HEP-SK1: PUMP SERVICE KIT EVD FOR FULL PARTS LIST)

- 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 SEPERATELY.

- FOR SUB ASSEMBLIES - ITEM NO. 1 (**15494-A**) & ITEM NO. 35 (**PMA048GZ001**) 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.



	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)

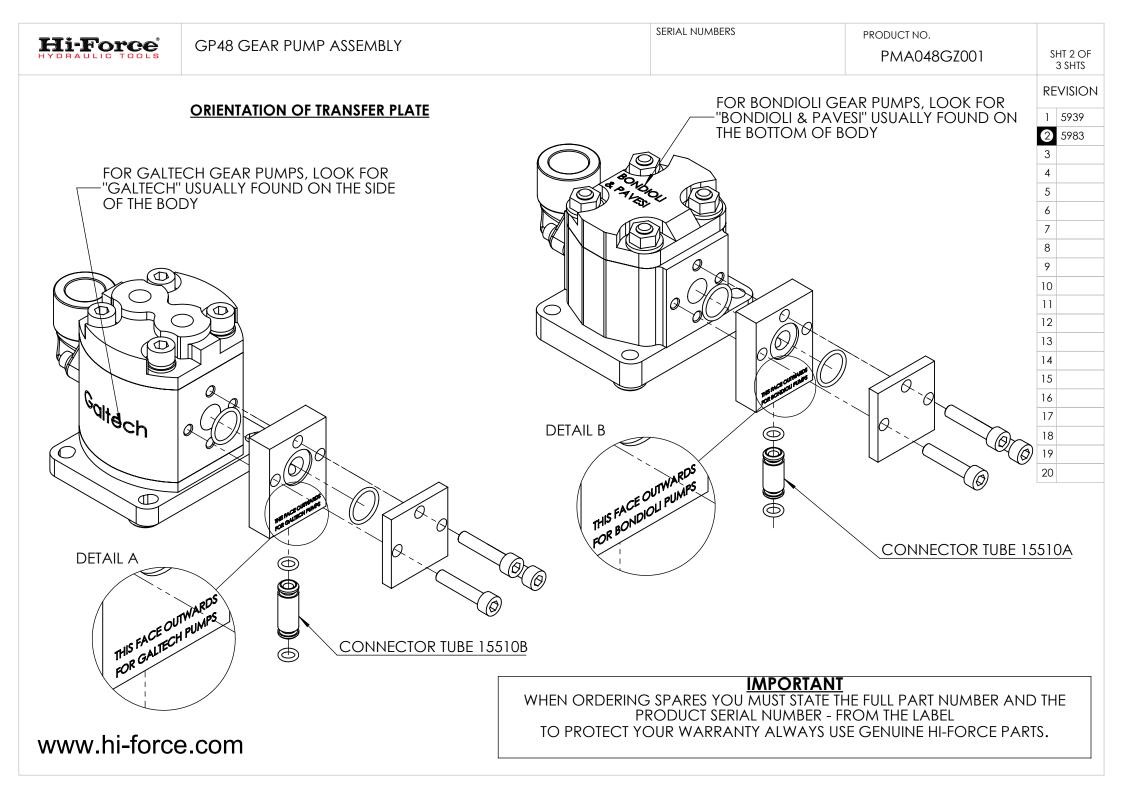
POSITION OF ITEM NO. 2 (PMC000TM001) IS TO BE DETERMINED BY THE BRAND OF THE GP48 GEAR PUMP SUPPLIED (REFER TO SHEET 2 FOR FURTHER DETAILS)

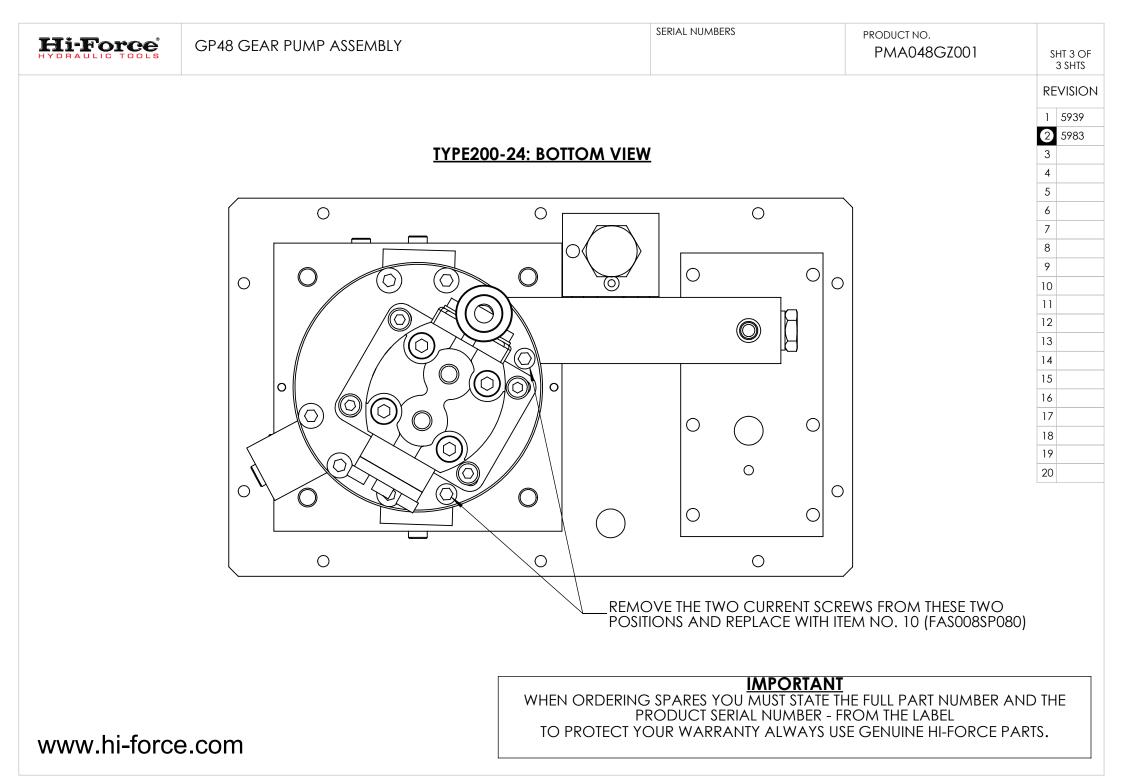
ITEM NO. 3 USED IS DETERMINED BY THE BRAND OF THE GP48 GEAR PUMP SUPPLIED FOR HEP, HAP AND HPP PUMPS WITH SERIAL NUMBERS EARLIER THAN **BR9070**. FOR BONDIOLI GEAR PUMPS USE CONNECTOR TUBE 15510A AND FOR GALTECH GEAR PUMPS USE CONNECTOR TUBE 15510B (REFER TO SHEET 2 FOR FURTHER DETAILS)

- 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**

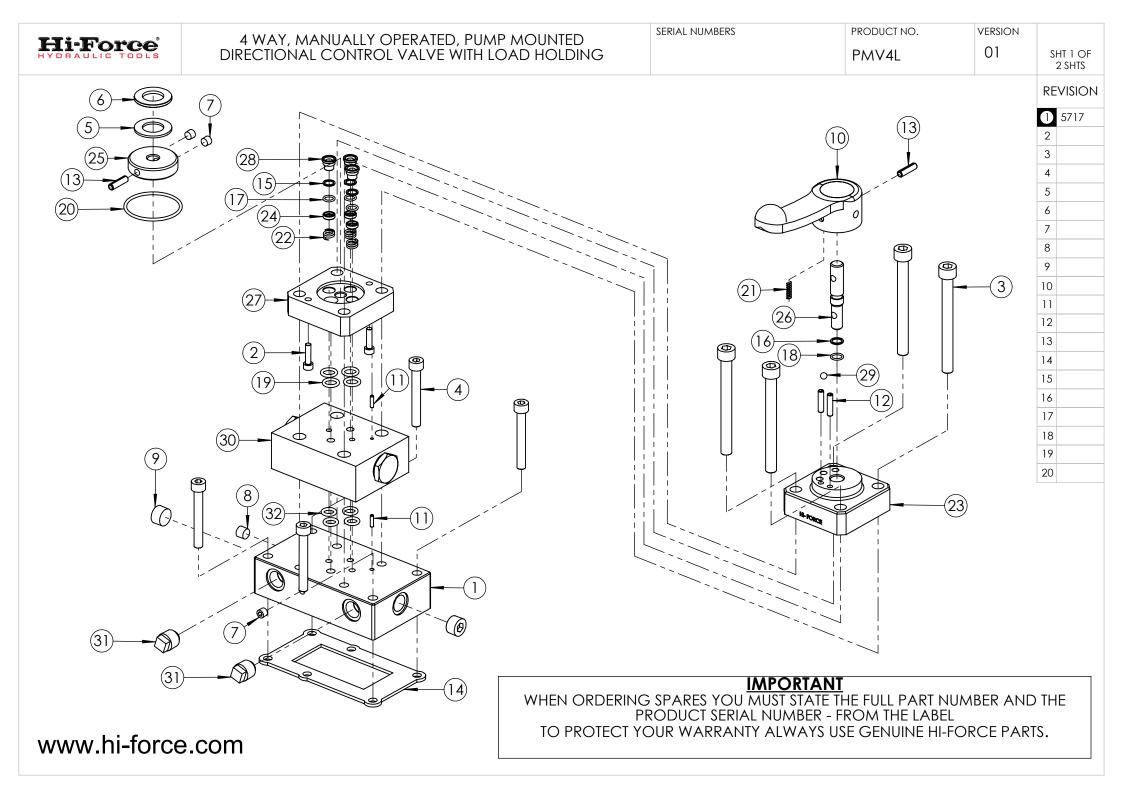
WHEN ORDERING SPARES YOU MUST STATE THE FULL PART NUMBER AND THE PRODUCT SERIAL NUMBER - FROM THE LABEL TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS.





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.



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	DESCRIPTION		QTY.	SPARE PARTS	SERVICE PARTS	RE	VISION
26	VFC000SR002		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.

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	 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
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		000							14
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	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 (3 & 4 WAY MANUAL VALVES)	SERIAL NUMBERS	6	PRODUCT NO.	VERSIC	N	Sht 1 Of
			.]				1 SHTS
		NO.		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 7	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. 10	3	9 10
		8	SEC014RA001	O-RING - I.D. 9.19mm 2.62mm, NITRILE 9	n, C.S. 20	4	11 12
	3	9	SEC010RF002	O-RING - I.D. 4.42 mm 2.62 mm, NITRILE 7	n, C.S. 70	1	13
							15
							16 17
		<u>_</u> OD					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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