

НУВ	i-Force	ALUMINIUM MULTI-PURPOS	SE JAC	СК					al numbers ROM BU3739	PROD	рист NO. <b>)3</b>			SHT 2 OF 2 SHTS
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	ITEM NO.	PART NUME	BER	DESCRIPTION		QTY.	SPARE PARTS	SERVICE PARTS	REVISIO
1	JBC010BD002	JACK BODY FOR JAS103	1	X		22	SEC014RA001		O-RING - I.D. 9.19mm, C.S. 2. NITRILE 90	.62mm,	1	x	1	1
2	JPC010SD001	PISTON	1			23	SEC024RF001		O-RING		1	X	1	2
3	SRC038PE001	STOP RING	1			23	SEC024RT001		O-RING		1	x		3
4	JAA010AC002	ROCKER ASSEMBLY	1			24	SEC030RE001	1	O-RING - I.D. 18.64mm, C.S. 3	2 53mm	1			4 3887
5	JAC010DC001	PUMP BARREL	1			25	SEC023RA001		BACK UP RING	5.5511111	1	X	✓ ✓	5 6246
6	JAC010HC005	TOP PLATE	1			-	SEC014BA001		PISTON SFAI		1	X	<b>v</b>	6 6358
7	JAC010GC001	PIVOT PIN	1			27				<u></u>	1	X	✓	7 6411
8	BAC006SN000	Ø6 mm STEEL BALL	2			28	SPC008CB00		COMPRESSION SPRING	7.	1			8
9	BLC004-H012	M4 x 12mm HEX SOCKET BUTTON HEAD SCREW	4			29 30	SPC007CB00		DELIVERY SPRING M4 X 6 HEX SOCKET DOG F	POINT	1			9
10	BLC006JH025	M6 x 25mm HEX SOCKET BUTTON HEAD SCREW	1			31	VRA700AF00	1	SCREW RELIEF VALVE		1			11
11	BLC008KD010	M8 x 10mm HEX SOCKET CAP HEAD SCREW	1			32	WAC007HD0	00	1/4" BSP SELF CENTERING BC WASHER	ONDED	1	x	1	12
12	BLC006JD020	M6 x 20 mm HEX SOCKET CAP HEAD SCREW	1			33	WAC008KD00		DOWTY WASHER		1	X	✓	14
13	FAS010MX001	M10 SEALING PLUG	2			34	SPC012CA00		SPRING					15
14	FAS016MD020	RELEASE VALVE SCREW	1			35	WAC004YK00		M4 x 11.5mm Flat Wash	ier	1			16
15	FFC012MA001	SUCTION FILTER	1	x	1	36	STC013BA000		RETAINING CLIP		1			17
16	JAC010JC002	RELEASE VALVE SPINDLE	1	~		37	SAC025PP001		SADDLE		1			18
17	JAC010KC001	OIL FILL LABEL	1			38	HLA019BK001		OPERATING LEVER ASS	Υ.	1			19
18	JAC010KC002	LOWER & RAISE CYLINDER LABEL	1			39	SPC022TD001		SPRING		1			20
19	JAC010PA002	CLAMPING RING	1			40	SIC017TB002		SPRING INSERT		2			
20	JAC010QA002	RESERVOIR DIAPHRAGM	1	X	1	41	WAC006EB00	0	M6 WASHER		2			
	SEC013RA001	O-RING - I.D. 9.25mm, C.S. 1.78mm, NITRILE 90	1	x	✓ ✓	42	BLC004-H008		M4 X 8mm, HEX SOCKET BL HEAD SCREW	JTTON	1			

NOTE:

- ALL PARTS ARE AVAILABLE TO BE ORDERED AS SPARE PARTS, UNLESS, MARKED WITH  $\pmb{x}$ 

- ALL PARTS MARKED WITH **√**ARE SERVICEABLE PARTS ONLY AVAILABLE IN THE JAS103TP3-K : REPAIR KIT (REFER TO JAS103TP3-K EVD FOR FURTHER DETAILS)

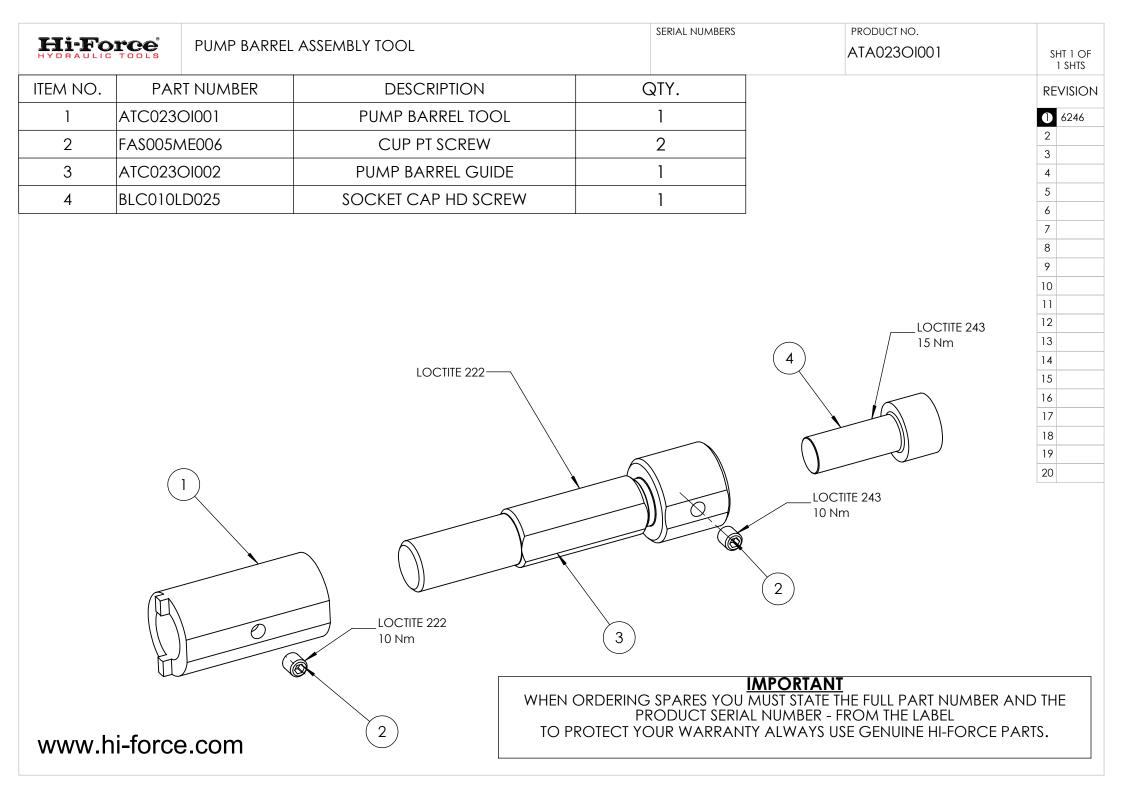
### **IMPORTANT**

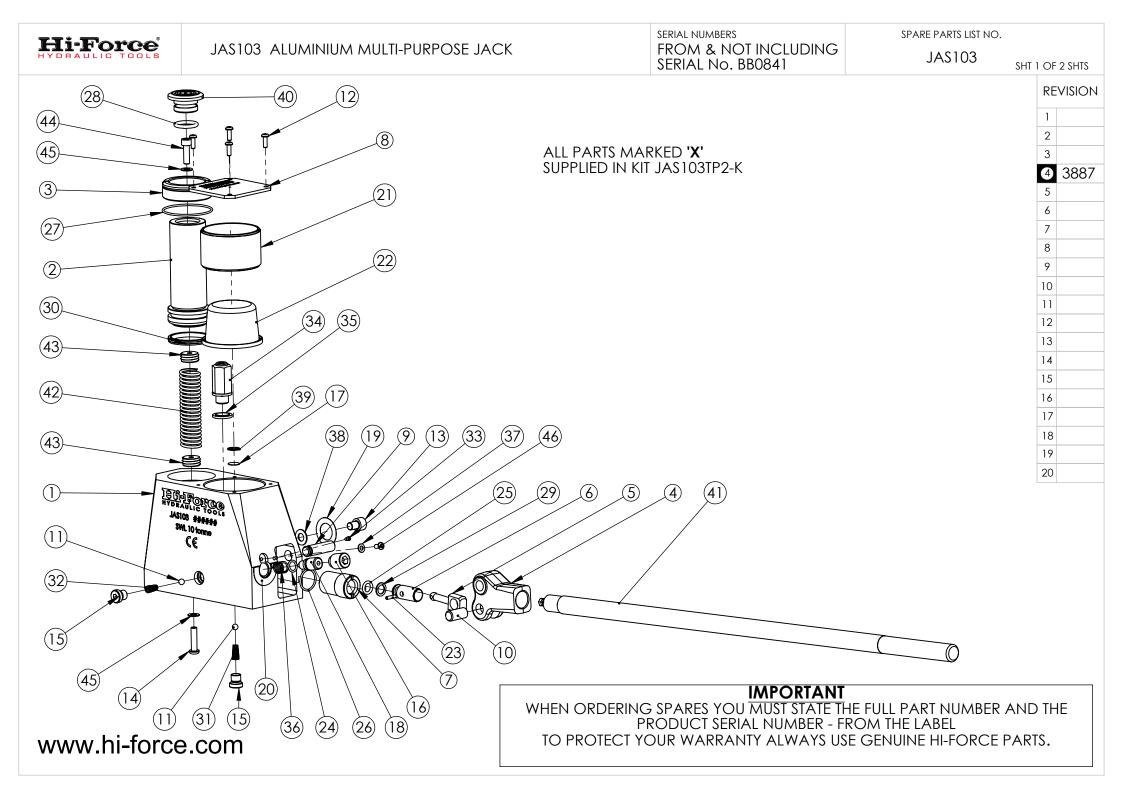
WHEN ORDERING SPARES YOU MUST STATE THE FULL PART NUMBER AND THE PRODUCT SERIAL NUMBER - FROM THE LABEL TO PROTECT YOUR WARRANTY ALWAYS USE GENUINE HI-FORCE PARTS.

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			SERIAL NUM	BERS	PRODUCT N	О.	VERSION	
Hi-Force	Rocker Assembly		ALL		JAA010AC002		03	SHT 1 OF 1 SHTS
		ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	SPARE PARTS	SERVICE PARTS	REVISION
		1	JAC010AC002	PUMP ROCKER	1			1 5706 2 6246
		2	JAC010BC002	CONNECTING ROD	2 1			<ol> <li>6246</li> <li>3</li> </ol>
$\frown$		3	JAC010CC001		1			4
	$\sim$							5
$k \nearrow$		4		PISTON FOR JAS103/				6 7
		5	PCC003RB006	M3X 12MM SELLOCK	PIN 1			8
		NOI	E:					9
			<u></u>					10
				AILABLE TO BE ORDER	ED AS SF	PARE PAR	TS,	11
		UN	LESS, MARKED	WIIH X				12 13
(1)		- ALI	PARTS MARKE	D WITH <b>√</b> ARE ALSO SE	RVICEAE	LE PARTS	S	14
$\sim$ $\langle f_{\mathcal{I}}$				JAS103TP3-K : REPAIR	<b>KIT</b> (REFE	r to jas	103TP3-K	15
		EV	) for further	DETAILS				16
								17 18
		4						19
		$\mathbf{\mathbf{\hat{\mathbf{Y}}}}$						20
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		$\gamma \rightarrow \gamma$						
(3)			2					
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	5							
				IMPORTANT				
		WHEN ORDER		YOU MUST STATE TH SERIAL NUMBER - FR			MBER AND	) THE
		TO PROTEC	T YOUR WAR	RANTY ALWAYS USE	GENUI	NE HI-FC	DRCE PAR	TS.
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				SERIAL NUMBERS	PRODUCT NO.	
HYDR	-Force	REPAIR KIT		FROM BB0842	JAS103TP3-K	SHT 1 OF 1 SHTS
TEM NO.	PART NUMBER	DESCRIPTION	QTY.			REVISION
1	WAC013DC000	WASHER	1			
2	SEC013RA001	O-RING - I.D. 9.25mm, C.S. 1.78mm, NITRILE 90	1			1 5706 2 6246
3	SEC014RA001	O-RING - I.D. 9.19mm, C.S. 2.62mm, NITRILE 90	1			<ol> <li>6246</li> <li>3</li> </ol>
4	SEC024RF001	O-RING	1			4
5	SEC025RA001	O-RING - I.D. 18.64mm, C.S. 3.53mm	1			5
6	SEC050RE001	O-RING - I.D. 47.37mm, C.S. 1.78mm	1			6
7	WAC008KD000	DOWTY WASHER	1		$\sim$	7
8	WAC007HD000	1/4" BSP SELF CENTERING BONDED WASHER	1			8
9	SEC014BA001	BACK UP RING	1		Λ	9
10	SEC044GA001	PISTON SEAL	1			10
11	JAC010QA002	RESERVOIR DIAPHRAGM	1			11
						12
						14
		(				15
			//			16
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				<u>(4)</u>		
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				WHEN ORDERING SPARES YOU MUST STA PRODUCT SERIAL NUMBI	ATE THE FULL PART NUMBER	and the
		~		TO PROTECT YOUR WARRANTY ALWA		PARTS.
WW	w.hi-force	e.com				

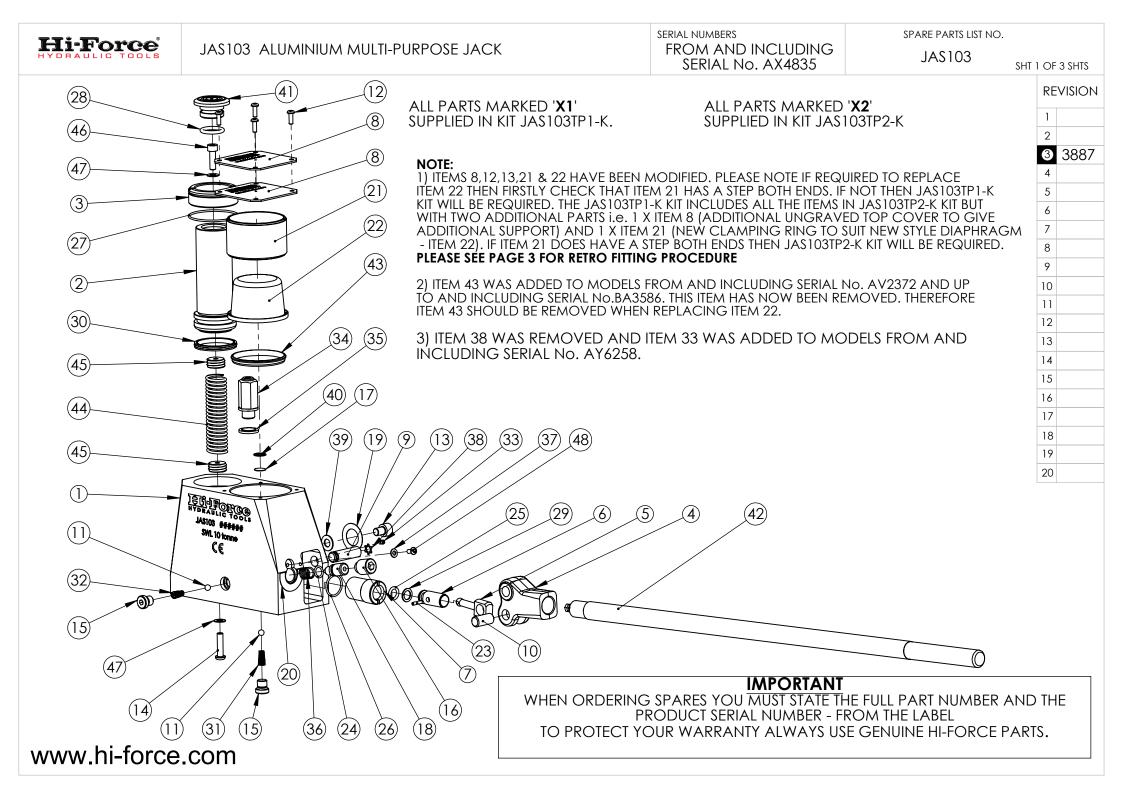




Hi-Force	JAS103 AL	UMINIUM MULTI-PURPOSI	E JACK	SERIAL NUMBERS FROM & NOT INCLUDING	
				SERIAL No. BB0841	SHT 2 OF 2 SHTS
		ITEM NO. PART NU		CRIPTION QTY. DY FOR JAS103 1	REVISION
All Parts Marked <b>'X'</b> Supplied in Kit Jas103tp2-k		2 JPC010SD			
		3 SRC038PE	001 I SIC	ISTON 1 DP RING1	1
		4 IAC010A0			2
		5 JAC010B0	COO2 CONNÉ	CTING ROD 1	
		<u>6 JAC010E0</u>	2001 PISTON FC	<u>DR_JAS103/105 1</u>	3
		5 JAC010BC 6 JAC010EC 7 JAC010EC 8 JAC010HC	<u>2001 PUM</u>	CTING ROD 1 P JAS103/105 1 P BARREL 1 COVER 1	<b>4</b> 3887
					5
		9 JAC010G 10 JAC010C	$\sim 001$ $\sim 001$	/OT PIN 1 ANK PIN 1	
				nm BALL 2	6
		12 X	BUTTON	HEAD SCREW 4	7
		1 <u>3</u> X	SOCKET C	CAP HD SCREW   1	8
		14 X	BUTTON	HEAD SCREW 1	9
		15 X		ALING PLUG 2	
		<u>16</u> FAS016Q0	2019 RELEASE	VALVE SCREW 1 ION FILTER 1 /ALVE SPINDLE 1	10
		17 X 18 JAC010JC			11
		18 JAC010JC 19 X	2002 RELEASE V	FILL LABEL	12
				RAISE CYLINDER 1	
		21 JAC010PA	A002 CLAM	PING RING 1	13
		22 X	RESERVOI	R DIAPHRAGM   1	14
		20 X 21 JAC010P/ 22 X 23 X 24 X 25 X 26 X 27 X	M3X 12MM	M SELLOCK PIN 1	15
		<u>24 X</u>	Q	<u>- RING 1</u>	
		<u>25 X</u>	<u>O</u>	- RING 1	16
		<u>26 X</u>	<u> </u>	- RING 1	17
		$\frac{2}{28}$ X		- RING 1 - RING 1	18
		28 X 29 X 30 X	BACK	CUP RING 1	19
		30 X	PIST	ON SEAL 1	
		31 X	COMPRES	<u>ON SEAL</u> SSION SPRING. 1	20
		32 X	SI SI	PRING 1	
		32 X 33 X 34 VRA700A	DOG PO	<u>DINT SCREW 1</u>	
		34 VRA700A	-001 RELIE	EF VALVE 1	
				<u>Y WASHER</u> SSION SPRING 1	
		35 X 36 SPC012C/ 37 X		REW WASHER 1	
				IG WASHER 1	
		38 X 39 X	RFTAI	NING CLIP 1	
		40 SAC025PF	NO 1 1 100		
		41 HLA019BK	001 OPERATIŇ	<u>G LEVER ASSY.</u>	
		42 SPC022TD 43 SIC017TBC	001SI	G LEVER ASSY. PRING 1 NG INSERT 2	
		<u>43</u>  SIC017TBC	02   SPRIN	NG INSERT 2	
		44 X 45 X 46 X	SOCKELC	CAP HD SCREW   I	
				ASHER 2 HEAD SCREW 1	
		40 Å			
				IMPORTAN	T
					THE FULL PART NUMBER AND THE
				PRODUCT SERIAL NUMBER -	

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



Hi-Force	JAS103 ALUMINIUM I	MULTI-PURPOSE JACK			INCLUDING D. AX4835	SPARE PARTS LIST NO. JAS103	2 OF 3 SHTS
		ITEM NO. PART NU	MBER DESCRI	PTION	QTY.		
		1 JBC010BD0		FOR JAS103	1		REVISION
		2 JPC010SD00	DI PISTO	NC	1		1
ALL PARTS MAR	KFD ' <b>X1</b> '	3 <u>SRC038PE00</u>	DI STOP F	RING	1		<u> </u>
SUPPLIED IN KIT		4 JAC010AC0 5 JAC010BC0	002 PUMP RO 02 CONNECT		1		2
	JA310311 1-K.	6 JAC010EC0	01 PISTON FOR J	IAS103/105	1		3 3887
		7 JAC010DC0	DO1 PUMP B	ARREL	1		
		8 JAC010HC0		OVER	2		4
ALL PARTS MAR		9 JAC010GC			1		5
		10 JAC010CC0 11 X1 & X2	001 CRAN		2		6
SUPPLIED IN KIT	JA31031PZ-K.	12 X1 & X2	BUTTON HEA		4		
		13 X1 & X2	SOCKET CAP		1		7
		14 X1 & X2	BUTTON HEA		1		8
		15 X1 & X2	M10 SEALI		2		
		16 FAS016OCC	19 RELEASE VAL	VESCREW	1		9
		17 X1 & X2	SUCTION	I FILTER	1		10
		18 JAC010JC0			1		11
		19 X1 & X2	OIL FILL		]		
		20 X1 & X2	LOWER & RAIS		1		12
		21 JAC010PA0			1		13
		22 X1 & X2	RESERVOIR D		1		14
		23 X1 & X2 24 X1 & X2	M3X 12MM S		1		
		24 X 1 & X2 25 X1 & X2	<u> </u>		1		15
		26 X1 & X2	O - R		1		16
		27 X1 & X2	O - R		1		
		28 X1 & X2	O - R		1		17
		29 X1 & X2	BACK UI		1		18
		30 X1 & X2	PISTON		1		19
		31 X1 & X2	COMPRESSIC		1		
		32 X1 & X2	SPRII	NG	1		20
		33 X1 & X2	DOG POIN		1		
		34 VRA700AF0			1		
		35 X1 & X2			1		
		36 SPC012CA0 37 X1 & X2	001 COMPRESSION TRAP SCREV	UN SEKING	1		
		38 X1 & X2	WAS		1		
		39 X1 & X2	SEALING		1		
		40 X1 & X2	RETAININ		1		
		41 SAC025PP0	01 SADI		1		
		42 HLA019BK00	)1 OPERATING L	EVER ASSY.	1		
			E PART - OBSOLETE PART -		OBSOLETE PART		
		44 SPC022TD00 45 SIC017TB002	2 SPRII SPRING		2		
		45 SICUT/1600. 46 X1 & X2	SOCKET CAP		1		
		40 X1 & X2 47 X1 & X2	WASI		2		
		48 X1 & X2	BUTTON HEA		1		
					•		
					IMPORTANT		
					J MUST STATE TH	E FULL PART NUMBER AN	D THE

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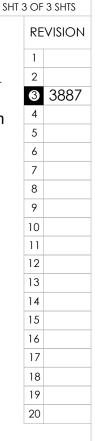
NEW DIAPHRAGM

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JAS103 <sub>SH</sub>



LONGER RETAINING SCREWS CURRENT TOP COVER i.e. WITH SERIAL No. etc ADDITIONAL STANDARD TOP COVER NEW CLAMPING RING

# PROCEDURE FOR RETRO FITTING THE MODIFICATIONS TO THE JAS103 JACKS

- Remove the four retaining screws, top cover, clamping ring, diaphragm and retaining ring and then drain oil from resevoir.
- Remove drain plug and sealing washer.
- Dispose of all parts apart from the top cover as this will be re-used.
- Clean resevoir thouroghly to remove any oil prior to fitting new parts.
- From the JAS103TP1-K kit fit the new diaphragm and new clamping ring to resevoir, ensure the clamping ring is protruding the jack body by the same amount (approximately 0.75mm all round).
- Assemble and secure additional top cover and current top cover with the longer retaining screws. Ensure the additional top cover is underneath current top plate as shown on drawing.
- Lay the jack on it's side with the filler hole facing upwards and fill resevoir with HVI 46 grade hydraulic oil.
- Fit the aluminium sealing washer and secure in position with with the drain plug screw.
- Operate the jack a couple of times and check that full stroke is being achieved (75mm).
- If possible test jack at rated load.

NEW DRAIN PLUG SCREW

IMPORTANT

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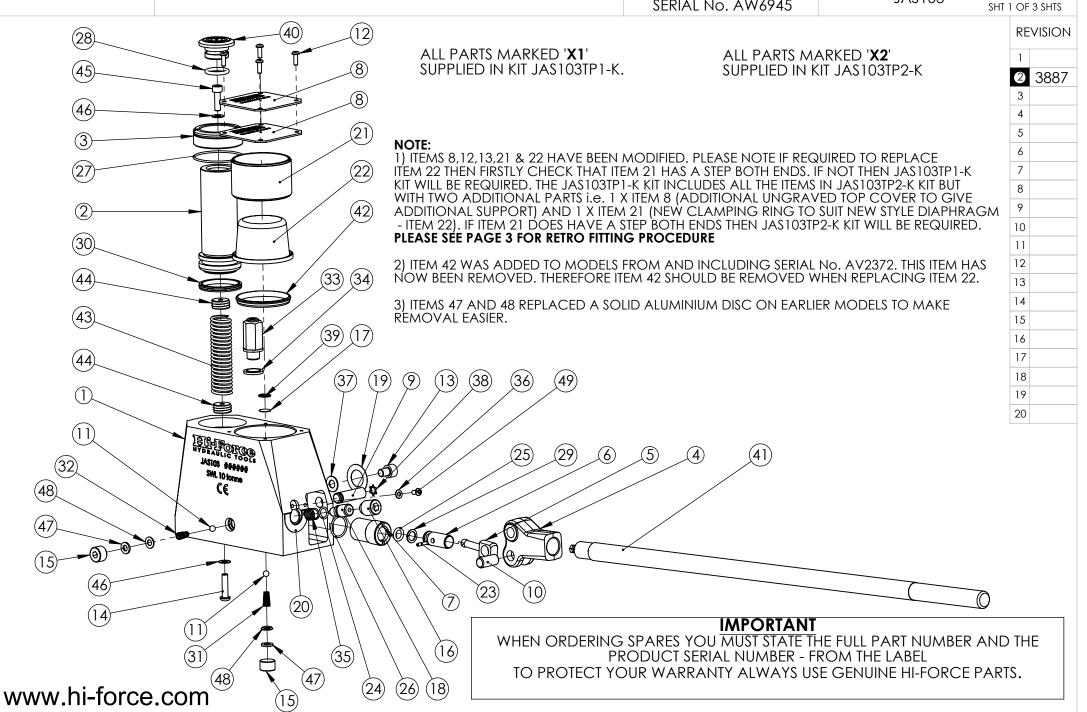
SEALING WASHER

Hi-Force

JAS103 ALUMINIUM MULTI-PURPOSE JACK

SERIAL NUMBERS UP TO AND INCLUDING SERIAL NO. AW6945 SPARE PARTS LIST NO.

JAS103



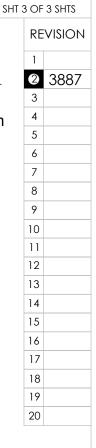
Hi-Force	JAS103 ALUMINIUM MULTI-PURPOSE JACK				D INCLUDING 0. AW6945	SPARE PARTS LIST NO. JAS103 SHT 2 OF 3 SHTS
		ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	
		1	JBC010BD001 JPC010SD001	JACK BODY FOR JAS103	1	REVISION
		2	JPC010SD001	PISTON	]	1
ALL PARTS MAR	KFD ' <b>X1</b> '	3	SRC038PE001	STOP RING	1	
SUPPLIED IN KIT		5	JAC010AC002 JAC010BC002	PUMP ROCKER CONNECTING ROD	1	2 3887
SOLL FIED IN KIL	5/(5/100/11/10:	6	LIAC010EC001	PISTON FOR JAS103/105	]	3
		8	JAC010DC001	PUMP BARREL TOP COVER	2	
		9	JAC010HC003 (X1)	PIVOT PIN	<u> </u>	4
ALL PARTS MAR	KFD ' <b>X2</b> '	10	JAC010GC001 JAC010CC001	CRANK PIN	1	5
SUPPLIED IN KIT		11	X1 & X2	6 mm BALL	2	6
	57 (51 66 H 2 K)	12	X1 & X2	BUTTON HEAD SCREW	4	7
		13	X1 & X2	SOCKET CAP HD SCREW	1	
		14	X1 & X2 FAS016CA010	BUTTON HEAD SCREW BLANKING PLUG	2	8
		16	FAS016OC019	RELEASE VALVE SCREW	<u> </u>	9
		17	X1 & X2	SUCTION FILTER	1	
		18	JAC010JC002	RELEASE VALVE SPINDLE	1	10
		19	X1 & X2	OIL FILL LABEL	1	11
		20	X1 & X2	LOWER & RAISE CYLINDER	1	12
		21	JAC010PA002 (X1)	CLAMPING RING RESERVOIR DIAPHRAGM	1	
		22 23	X1 & X2 X1 & X2	M3X 12MM SELLOCK PIN	1	13
		23	X1 & X2	O - RING	1	14
		25	X1 & X2	O - RING	1	15
		26	X1 & X2	O - RING	1	
		27	X1 & X2	O - RING	1	16
		28	X1 & X2	O - RING	1	17
		29	X1 & X2	BACK UP RING	1	18
		<u>30</u> 31	X1 & X2 X1 & X2	PISTON SEAL COMPRESSION SPRING.	1	
		32	X1 & X2	SPRING	1	19
		33	VRA700AF001	RELIEF VALVE	1	20
		34	X1 & X2	DOWTY WASHER	1	
		35	SPC012CA001	COMPRESSION SPRING	1	
		36	X1 & X2	TRAP SCREW WASHER		
		37 38	X1 & X2 X1 & X2	SEALING WASHER WASHER	1	
		39	X1 & X2	RETAINING CLIP	1	
		40	SAC025PP001	SADDLE	1	
		41	HLA019BK001	OPERATING LEVER ASSY.	1	
		42	OBSOLETE PART - (	DBSOLETE PART - OBSOLETE PART	- OBSOLETE PART	
		43	SPC022TD001 SIC017TB002	SPRING SPRING INSERT	2	
		45	X1 & X2	SOCKET CAP HD SCREW	1	
		46	X1 & X2	WASHER	2	
		47	X1 & X2	WASHER	2	
		48	X1 & X2	WASHER	2	
		49	X1 & X2	BUTTON HEAD SCREW	1	
					IMPORTANT	

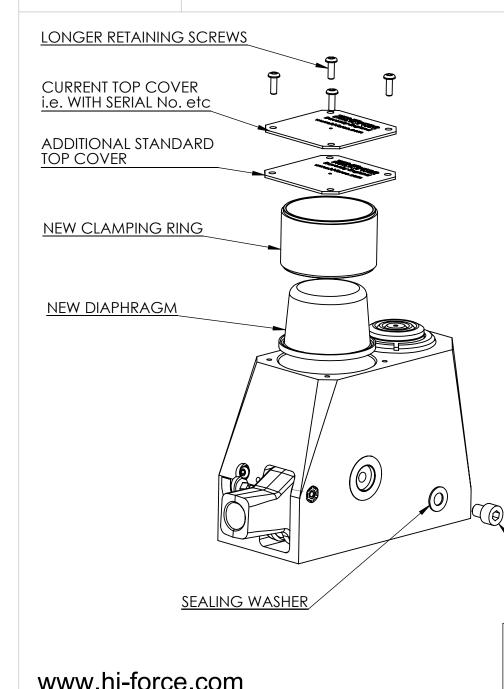
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JAS103





#### PROCEDURE FOR RETRO FITTING THE MODIFICATIONS TO THE JAS103 JACKS

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- Operate the jack a couple of times and check that full stroke is being achieved (75mm).
- If possible test jack at rated load.

NEW DRAIN PLUG SCREW (CAP HEAD SCREW)

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