

MECHlift ML 450 Bin Lifter



Spare Parts Catalogue

- See page 2 for delivery arrangements -



Invoice values of R30,000 and above qualify for free delivery within the borders of South Africa. Delivery is by economy road freight only and may take several days.

NEEDING PARTS SOONER, PLEASE ARRANGE YOUR OWN COURIER AT YOUR OWN COST.

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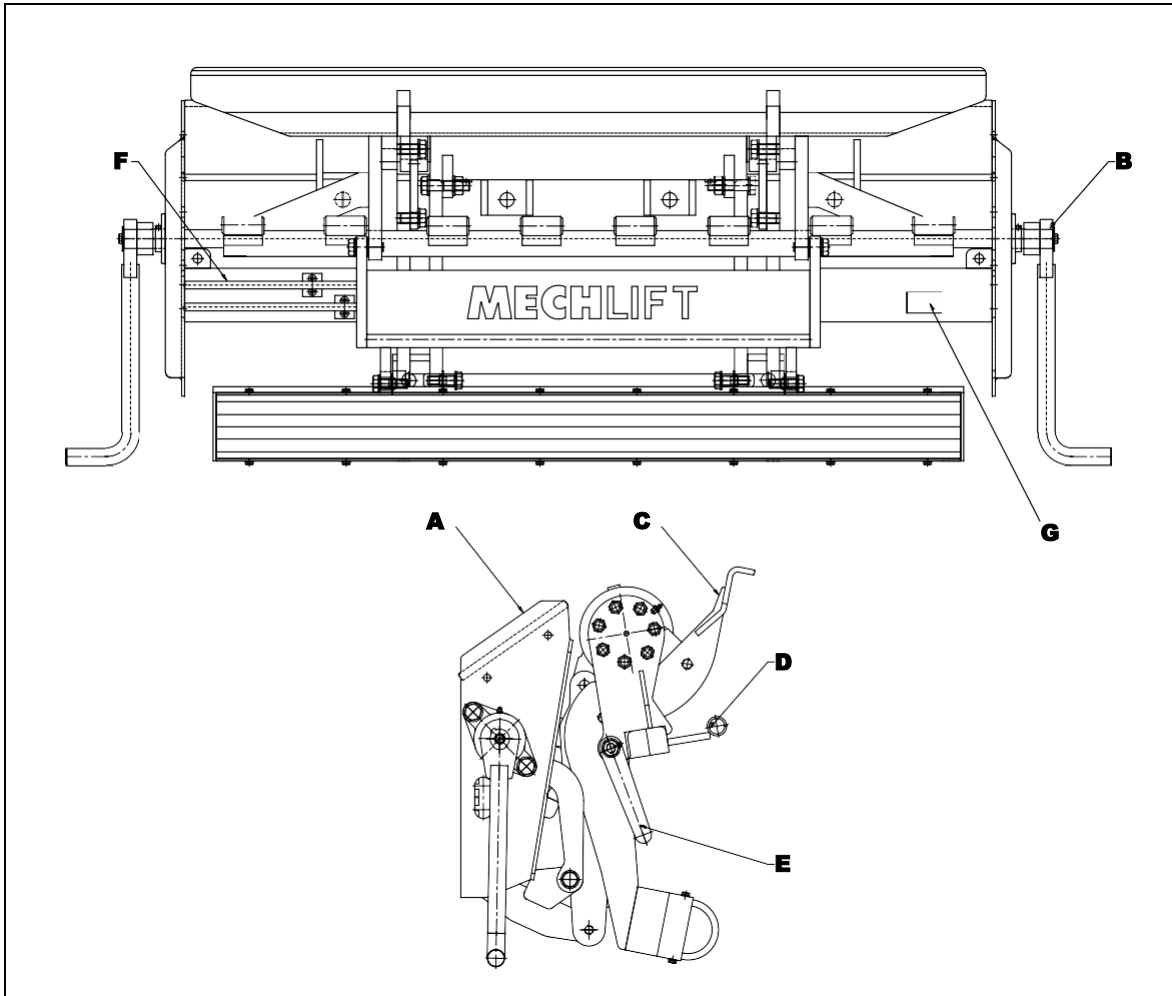
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Note to Partsman:

- Always quote the Mechlif part numbers when ordering parts
- Part numbers ending in 1 usually refer to Left Hand Side parts
- Part numbers ending in 2 usually refer to Right Hand Side parts

If in doubt, please feel free to contact Mechlif, we are always willing to help (contact details on page 17)

ML 450 BIN LIFTER ASSEMBLY

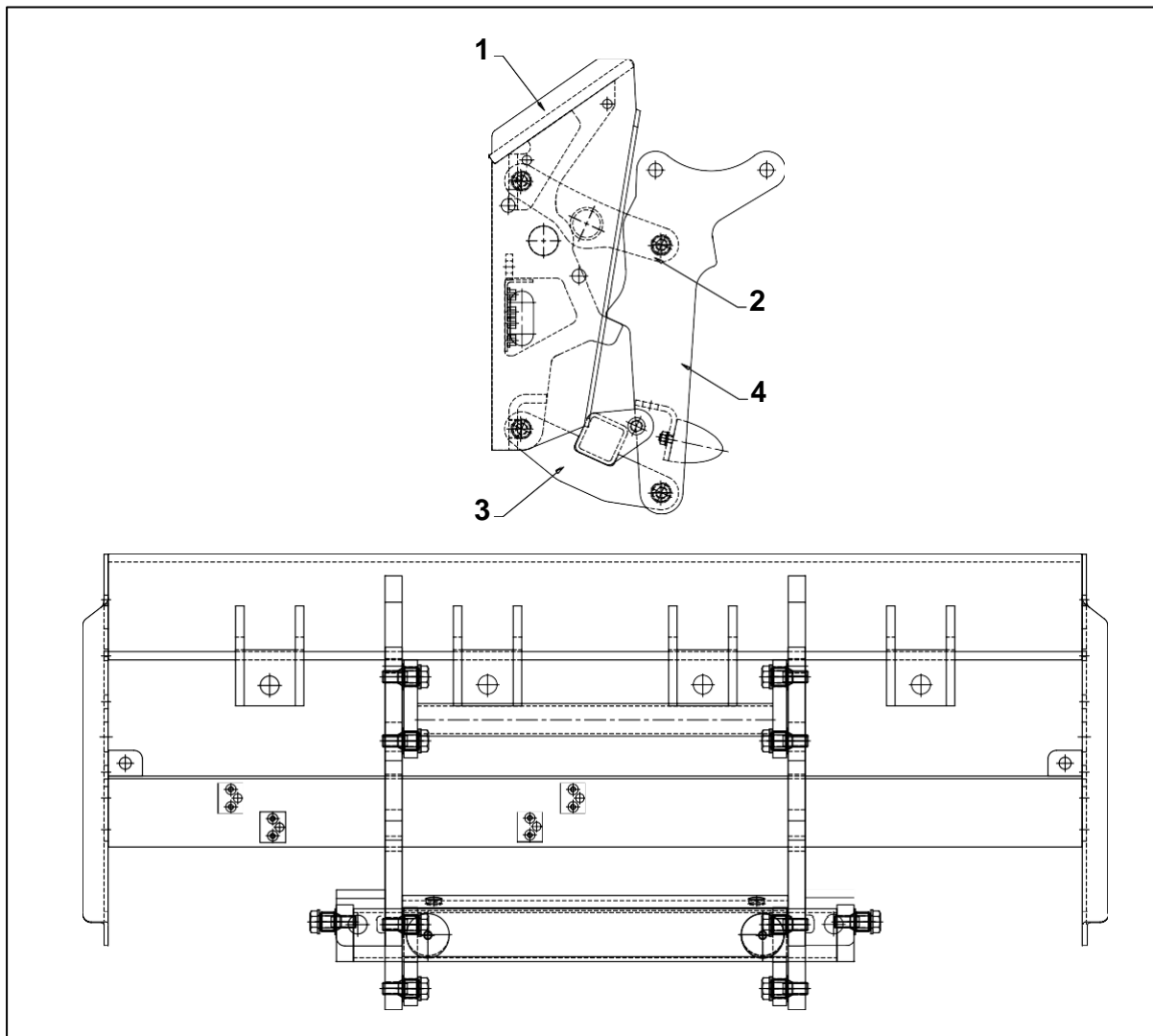


Overview

Ref	PART
A	MAIN FRAME ASSEMBLY - includes Actuator Carriage, Upper and Lower Shackles
B	CROSS SHAFT ASSEMBLY for raising the lifter - includes handles, bearings, link plates and L Link plates
C	SWING FRAME ASSEMBLY - includes Spline Hubs & Swing Plates (LH and RH are the identical)
D	COMB FRAME ASSEMBLY
E	OVER TIP RESTRAINER
F	HYDRAULICS -includes actuator, pipes, hoses, hydraulic fittings
G	SERIAL AND MODEL NUMBERS are here. (lower right side of lifter)

FRAME ASSEMBLY

Part Number: 45 90 000 A

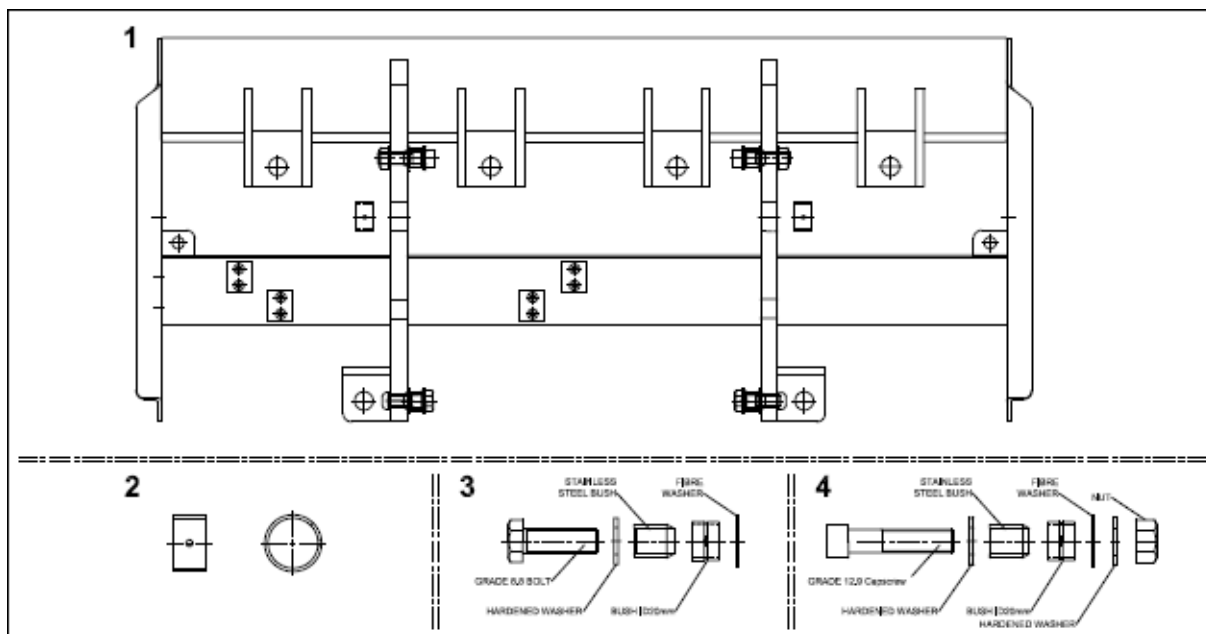


WHAT ARE THE ABOVE PARTS CALLED? See below

Ref	Part No.	Part
1	45 91 100 A	MAIN FRAME
2	45 41 100 A	SHACKLE UPPER ASSEMBLY
3	45 41 110 A	SHACKLE LOWER ASSEMBLY
4	45 91 200 A	ACTUATOR CARRIAGE

MAIN FRAME ASSEMBLY

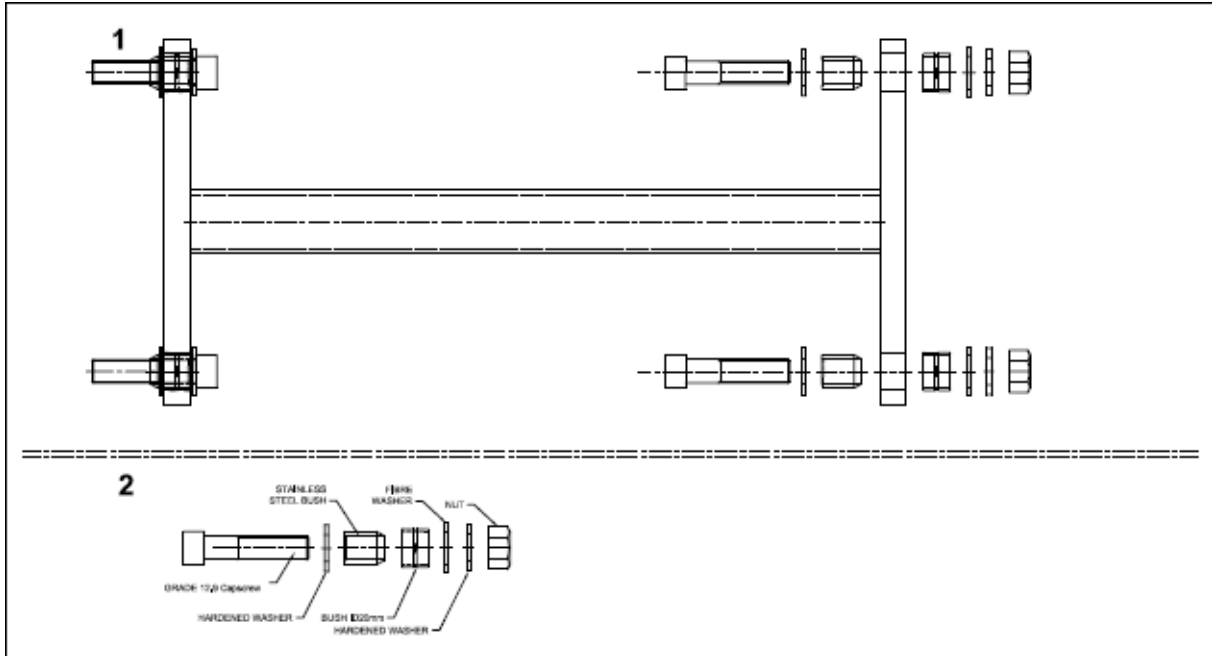
Part Number: 45 91 100 A



Block	Part No.	Part	Qty per Lifter
1	45 91 100 A	MAIN FRAME ASSEMBLY (Includes blocks 2 & 3)	1
2	BPAP3020P20	PERMAGLIDE BUSH	2
3	07 90 105 K	JOINT SERVICE KIT 450 (SS Taper Nose Bush)	4
4	07 90 104 K	JOINT SERVICE KIT (Capscrew and Nut)	4

SHACKLE UPPER ASSEMBLY

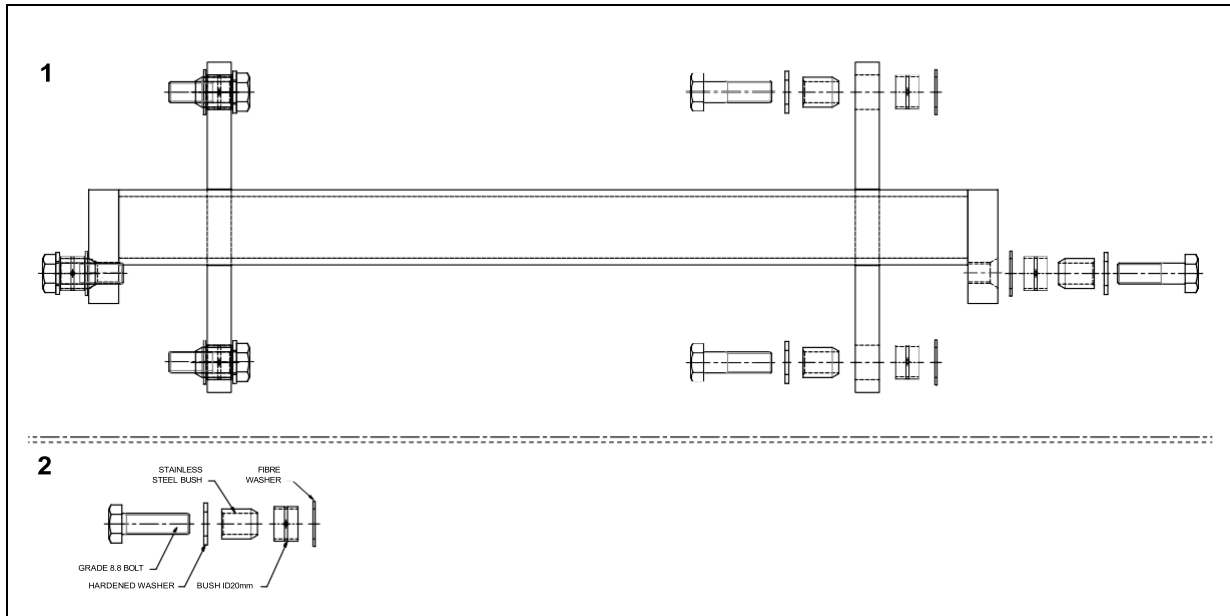
Part Number: 45 41 100 A



Block	Part No.	Part	Qty per Lifter
1	45 41 100 A	SHACKLE UPPER ASSEMBLY (Includes block 2 + 3)	1
2	07 90 104 K	JOINT SERVICE KIT (Capscrew and Nut)	4

SHACKLE LOWER ASSEMBLY

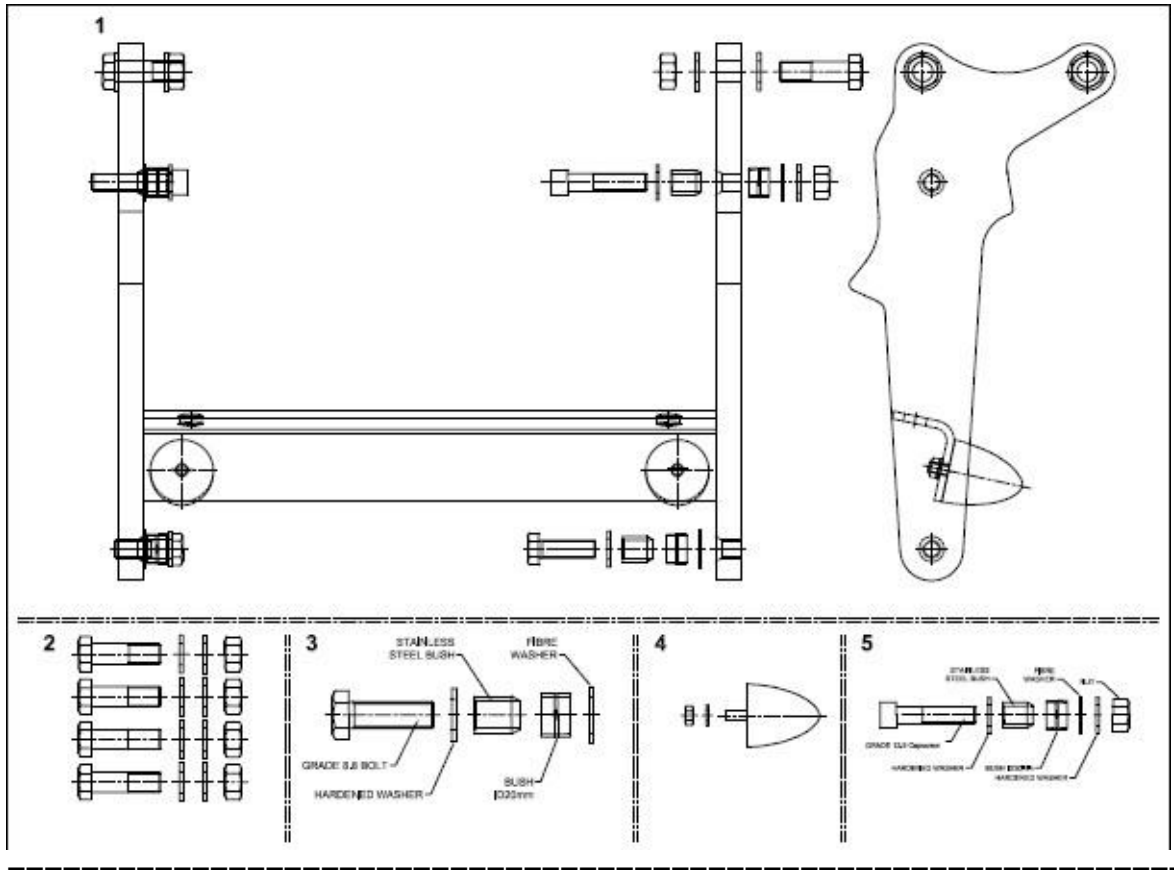
Part Number: 45 41 110 A



Block	Part No.	Part	Qty per Lifter
1	45 41 110 A	SHACKLE LOWER ASSEMBLY (Includes block 2)	1
2	07 90 105 K	JOINT SERVICE KIT 450 (SS Taper Nose Bush)	4

ACTUATOR CARRIAGE ASSEMBLY

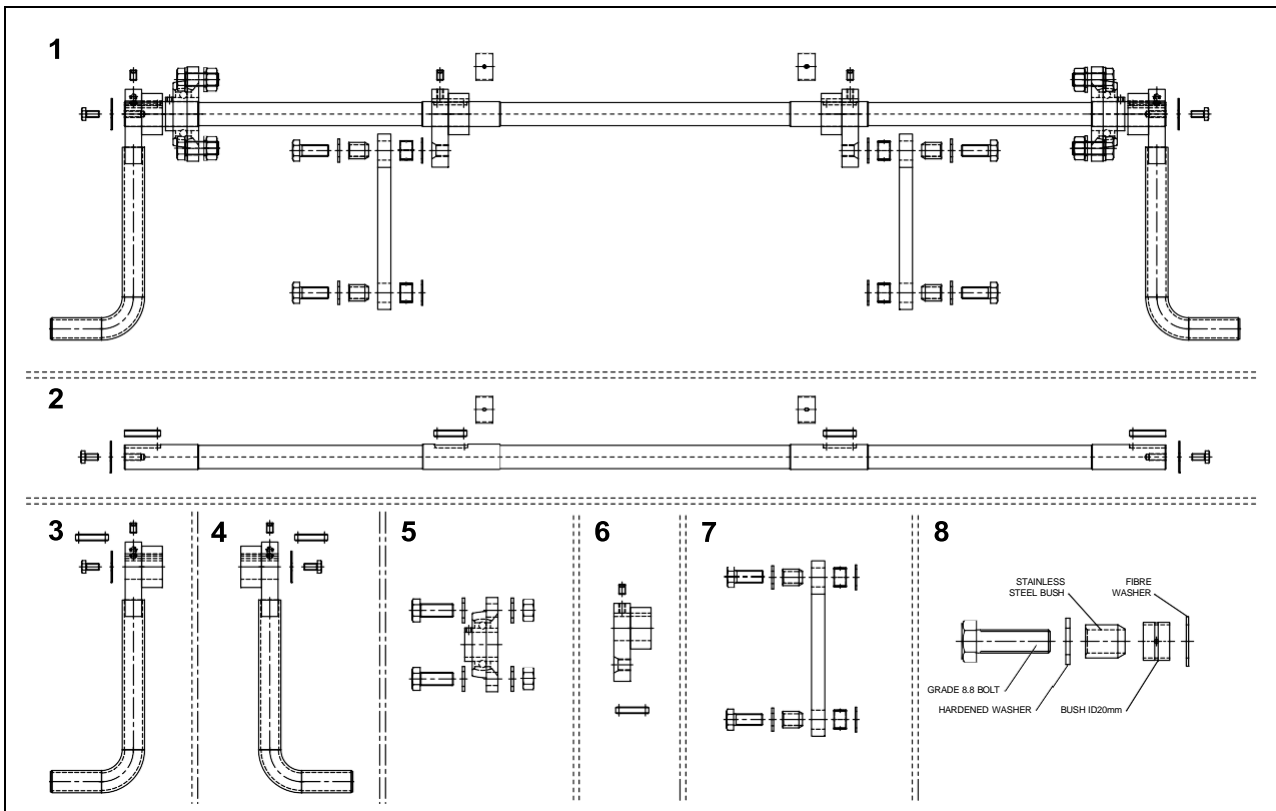
Part Number: 45 91 200 A



Block	Part No.	Part	Qty per Lifter
1	45 91 200 A	ACTUATOR CARRIAGE ASSEMBLY (Includes blocks 2, 3, & 4)	1
2	07 90 106 K	BOLT KIT – ACTUATOR	1
3	07 90 105 K	JOINT SERVICE KIT 450 (SS Taper Nose Bush)	2
4	05 10 160 K	CONICAL BUMP RUBBER KIT	2
5	07 90 104 K	JOINT SERVICE KIT (Capscrew and Nut)	2

CROSS SHAFT ASSEMBLY

Part Number: 45 42 000 A



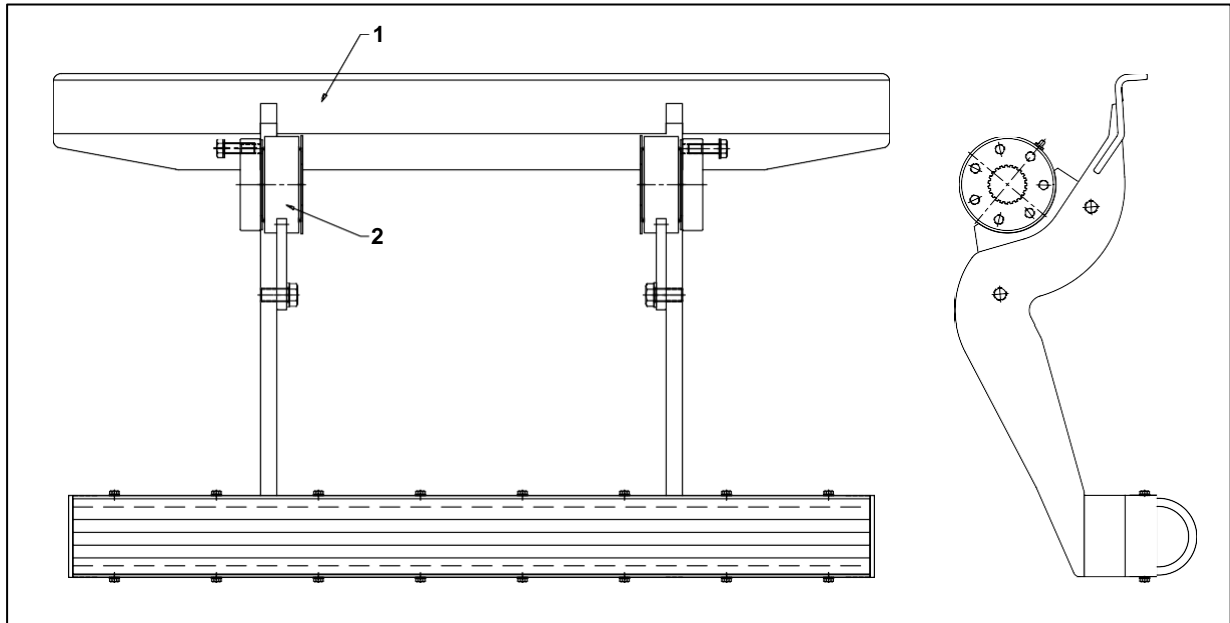
'L' shaped handles depicted are becoming obsolete. Later models will have 'S' shaped handles – See note below

Block	Part No.	Part	Qty per Lifter
1	45 42 000 A	CROSS SHAFT ASSEMBLY (includes blocks 2, 3, 4, 5, 6 & 7)	1
2	45 42 103 A	CROSS SHAFT (including keys – bushes on page 8)	1
3	45 42 121 A	HAND LEVER ASSEMBLY – Common L & R	2
4		HAND LEVER ASSEMBLY – Use above	
5	07 94 401 K	SHAFT BEARING KIT	2
6	45 42 105 A	LINK PLATE ASSEMBLY	2
7	45 42 115 A	L LINK ASSEMBLY	2
8	07 90 105 K	JOINT SERVICE KIT 450 (SS Taper Nose Bush)	4

Keyway positions on Items 3 and 6 have been changed. Suggest your requirement be discussed with Mechlift before dispatch.

SWING FRAME & HUB ASSEMBLY

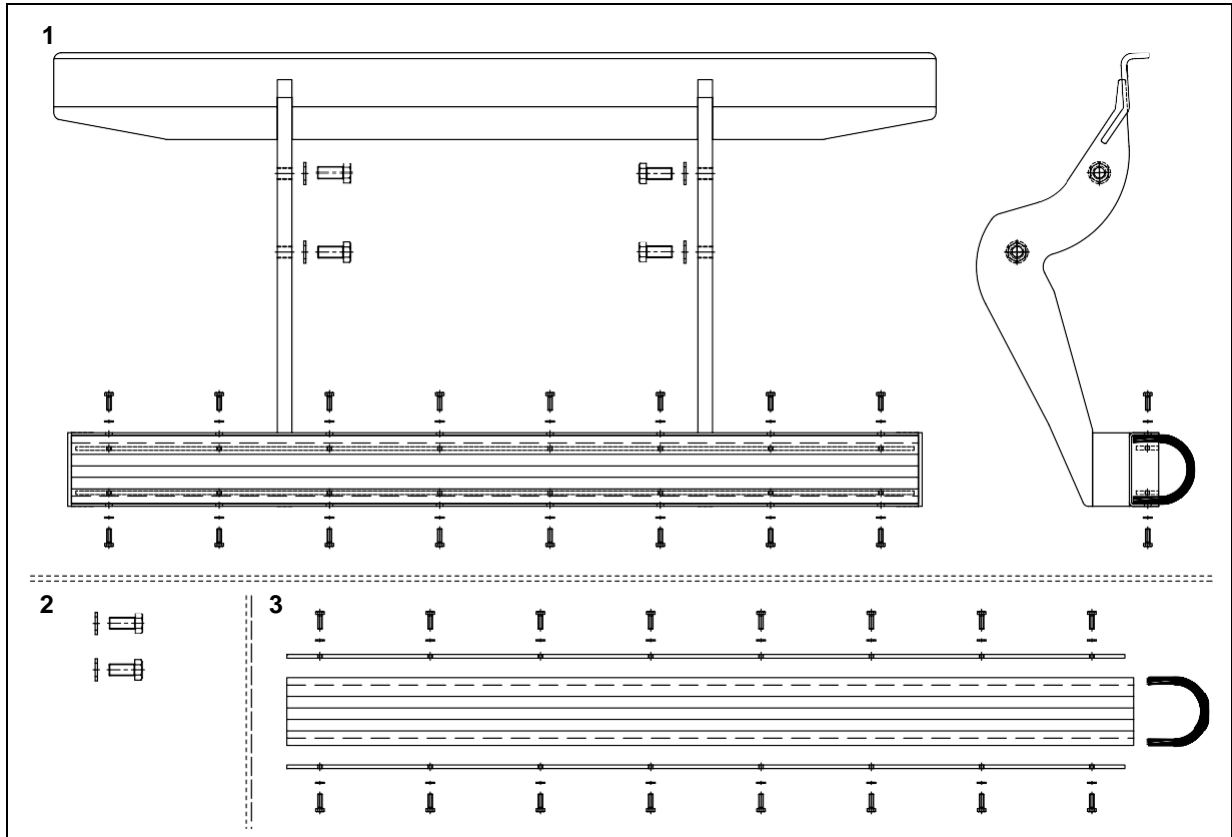
Part Number: 45 70 000 A



Number	Part No.	Part	Page
1	45 71 100 A	SWING FRAME ASSEMBLY	12
2	45 42 000 A	SPLINE HUB and SWING PLATE ASSEMBLY	13

SWING FRAME ASSEMBLY

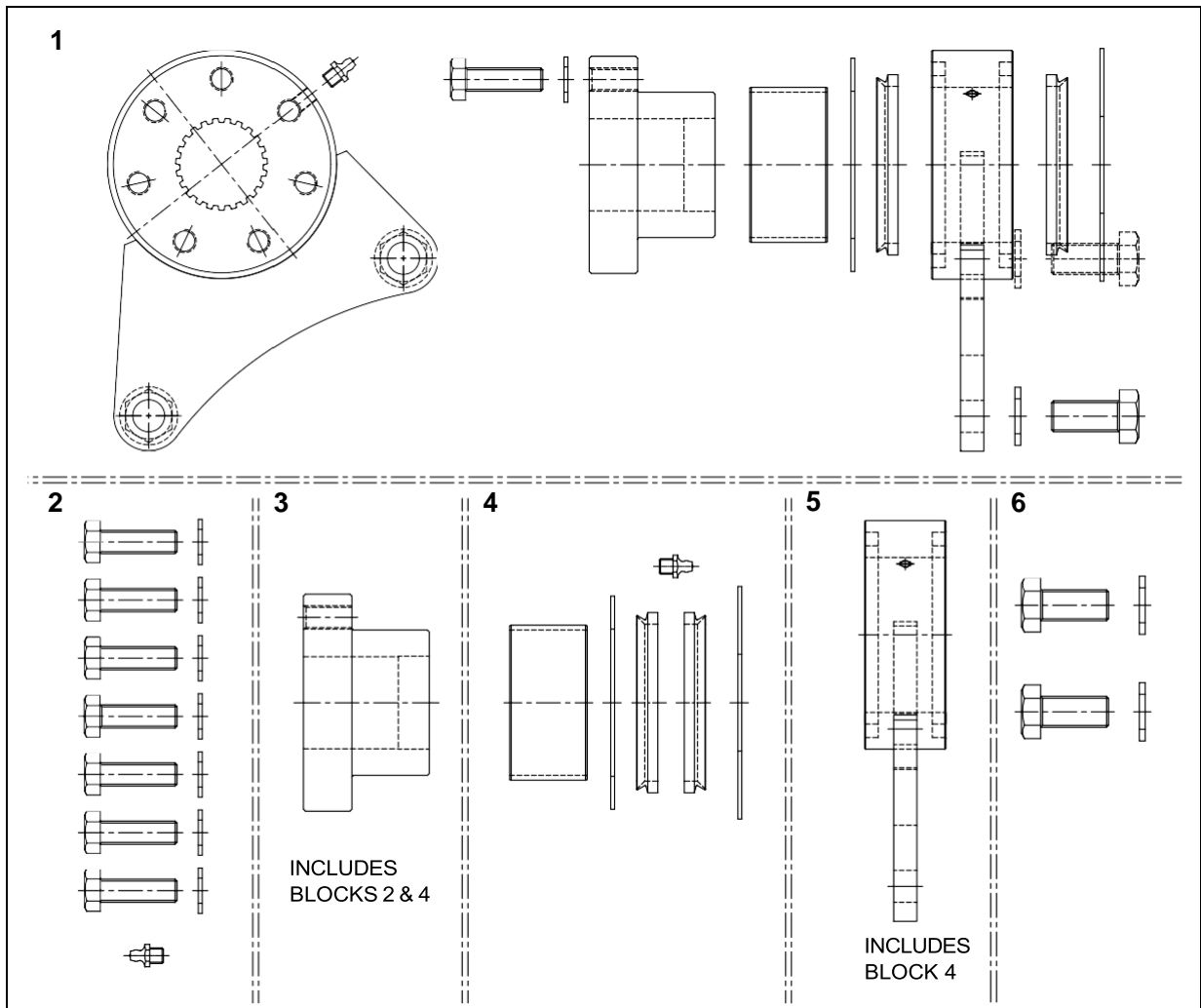
Part Number: 45 71 100 A



Block	Part No.	Part	Qty per Lifter
1	45 71 100 A	SWING FRAME ASSEMBLY (Includes blocks 2, 3 & 4)	1
2	07 90 110 K	BOLT KIT –SWING FRAME/ FULCRUM ARM	1
3	07 94 701 K	KIT RUBBER PUSH PAD – ML 450	1

SPLINE HUB & SWING PLATE ASSY

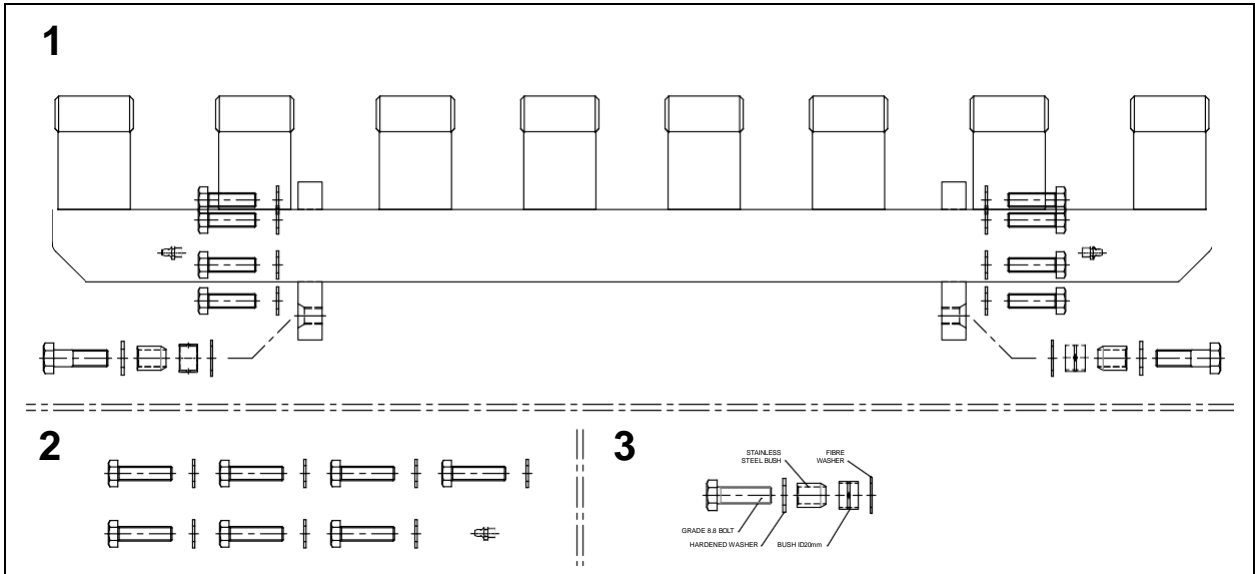
Part Number: 45 20 000 A



Block	Part No.	Part	Qty per Lifter
1	45 20 000 A	FULCRUM HUB ASSEMBLY – LH or RH (Includes blocks 2, 3, 4, 5 & 6)	1
2	07 90 111 K	BOLT KIT – FULCRUM ARM	1
3	45 21 020 A	SPLINED HUB (Includes blocks 2 & 4)	1
4	07 94 201 K	WEAR KIT – ML 450	1
5	45 22 100 K	SWING FRAME PLATE KIT (Includes block 4)	1
6	07 90 110 K	BOLT KIT – SWING FRAME/ FULCRUM ARM	1

COMB PLATE ASSEMBLY

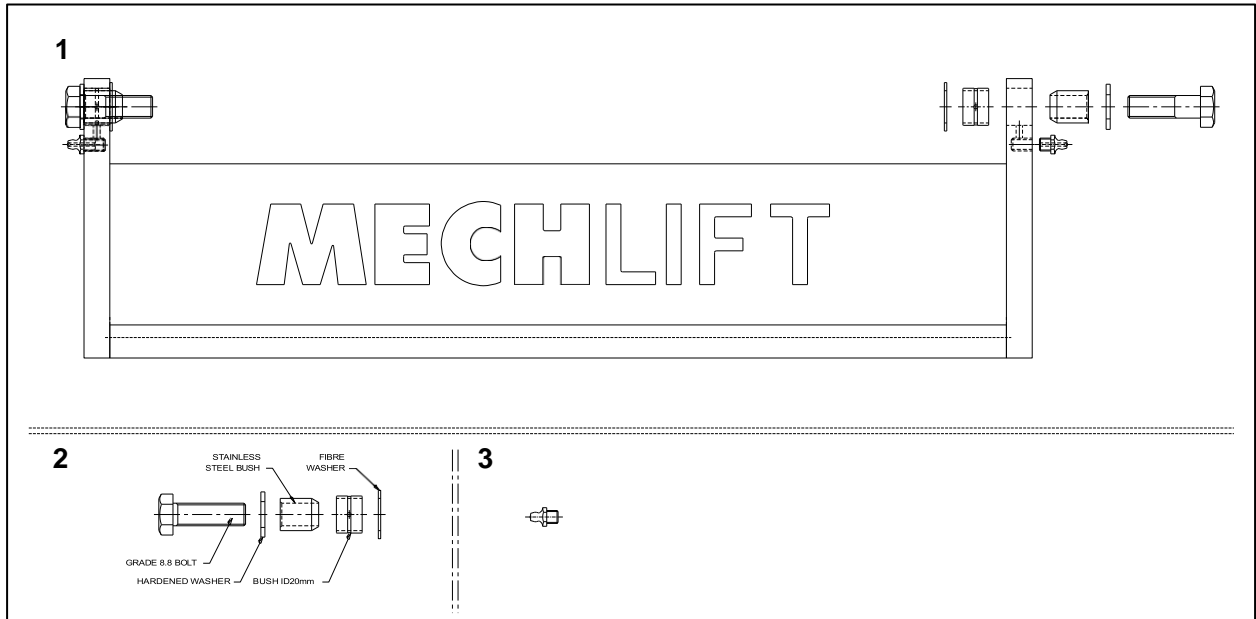
Part Number: 45 50 000 A



Block	Part No.	Part	Qty Per Lifter
1	45 50 000 A	COMB PLATE ASSEMBLY (Includes blocks 2&3)	1
2	07 90 111 K	BOLT KIT – FULCRUM ARM 450	2
3	07 90 105 K	JOINT SERVICE KIT 450 (SS Taper Nose Bush)	2

OVER TIP ASSEMBLY

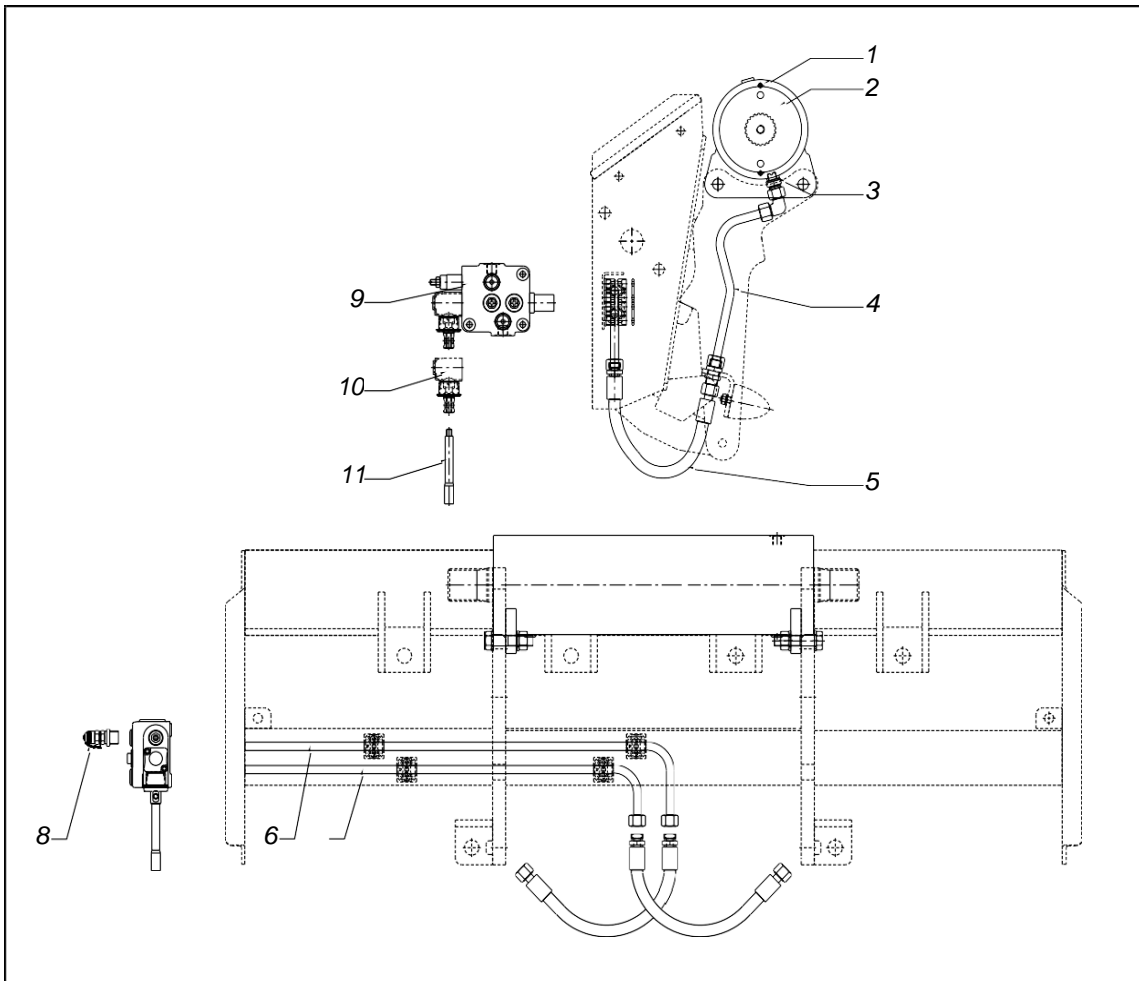
Part Number: 45 60 000 A



Block	Part No.	Part	Qty per Lifter
1	45 60 000 A	OVER TIP ASSEMBLY (Includes blocks 2 & 3)	1
2	07 90 100 K	JOINT SERVICE KIT (with Hardened BLACK Taper Nose Bush)	2
3	MGN 08	GREASE NIPPLE M8	2

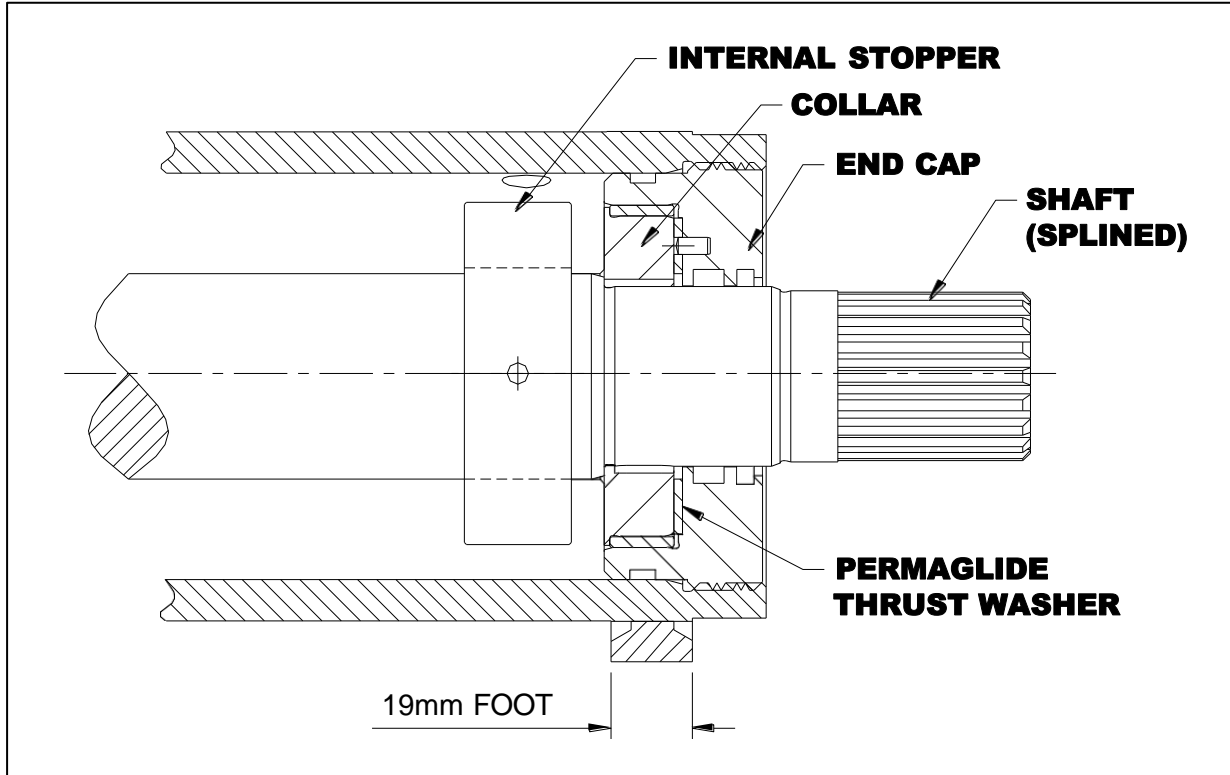
HYDRAULIC SYSTEM

Part Number: 45 10 000 A



No.	PART No.	PART	Qty per Lifter
1	08 10 141 X	ACTUATOR	1
3	03 70 001 E	SPECIAL FITTING – ACTUATOR PORT	1
4	45 10 105 E	PIPE – ACTUATOR TO CARRIAGE	1
5	45 10 100 J	FLEXIBLE HOSES	1
6	45 10 103 E	PIPE - UPPER	1
7	45 10 104 E	PIPE - LOWER	1
8	HMINI 3.8	MINITEST COUPLING	1
9	45 10 110 A	CONTROL VALVE	1
10	HV VCD BOX	LEVER BOX ASSEMBLY (shaped square)	1
10b	HV VCD CAP	END CAP ASSY (shaped round & spring side)	1
11	01 40 010 A	VALVE HANDLE	1

ACTUATOR SERVICE PARTS



Part No.	Part	Qty per Actuator
08 10 141 X	ACTUATOR	1
A SKH22 000	SEAL & BRG KIT – For full overhaul (Genuine OEM) (includes stopper , thrust washers and seals)	1
A SKH22 300	SEAL KIT – End cap side only (Genuine OEM) (includes wiper, seal, o’ring, backup ring)	2
06 10 241 T	ACTUATOR INTERNAL STOPPER (use only genuine OEM part)	1
A SKH22 002	THRUST WASHER	2
--	SHAFT	1
--	COLLAR (only sold as part of End Cap below)	2
08 10 144 X EC	END CAP Complete with collar, seals, thrust washer	2

NB: Observe internal timing marks BEFORE pulling piston and shaft from barrel

Contact information:

Please feel free to contact us should you have any queries or need any further information:

Telephone: +27 (0) 21 386 0404

Fax: +27 (0) 21 385 1886

E-mail:

... General enquiries query@mechlif.com
... **Sales enquiries** sales@mechlif.com

Web address: www.mechlift.com

Physical Address: 84 Mobile Road Airport Industria Cape Town 7490
South Africa

Postal Address: 84 Mobile Road Airport Industria Cape Town 7490
South Africa

Please Note:

Some assemblies may require more than one of the same unit, part or kit. (based on Euro/Pound rate 20:23)

Mechlift (Pty) Ltd reserves the right to change prices and /or part numbers without notification.

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