

IM1955

Turbo VM 1600
Turbo VM 2000

**OPERATING INSTRUCTIONS
AND
PARTS LISTING**

ISSUE 1

Replacement Parts Section

For best performance...

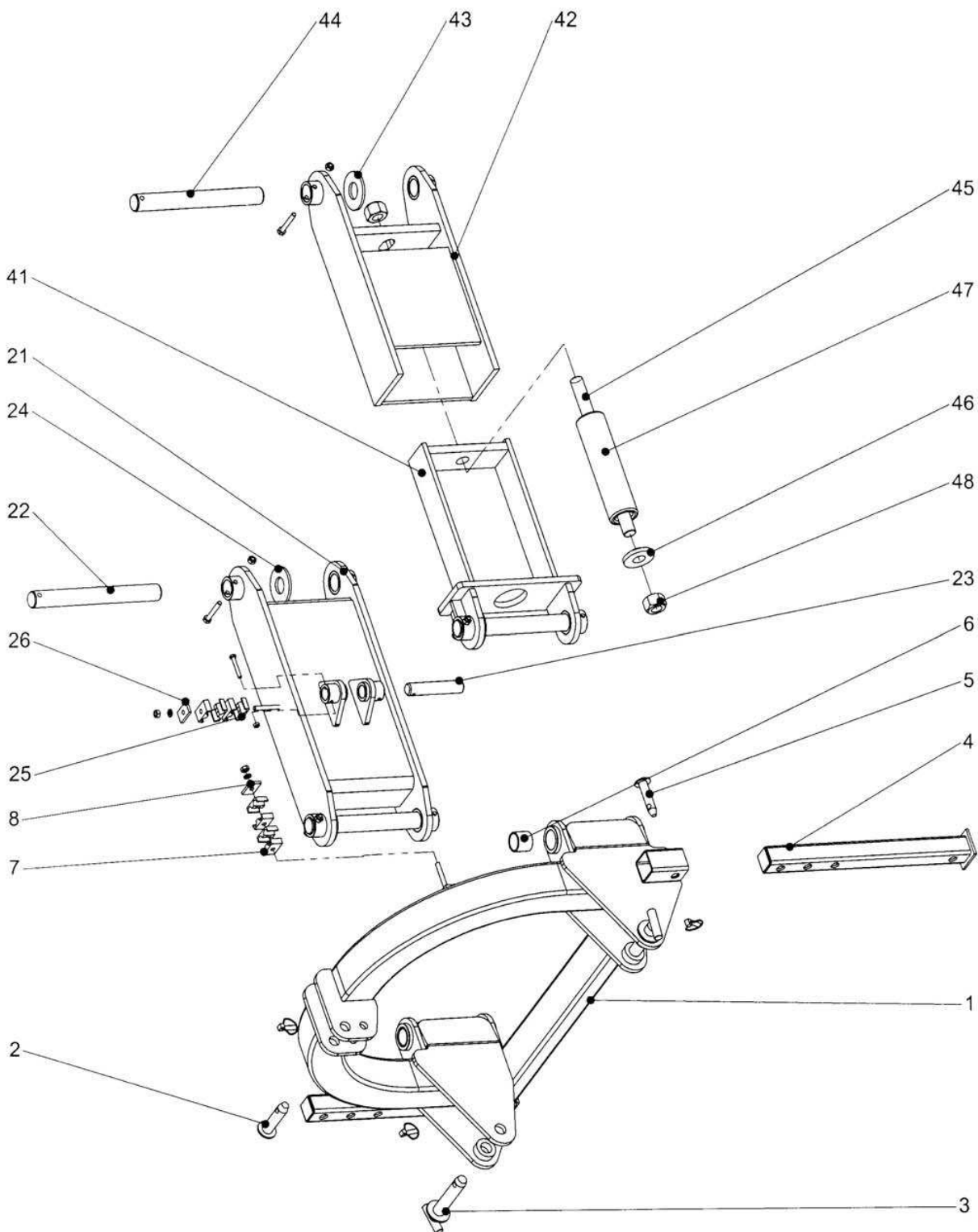
USE ONLY GENUINE BOMFORD TURNER SERVICE PARTS

To be assured of the latest design improvements purchase your 'Genuine Replacements' from the Original Equipment Manufacturer through your local Dealer or Stockist.

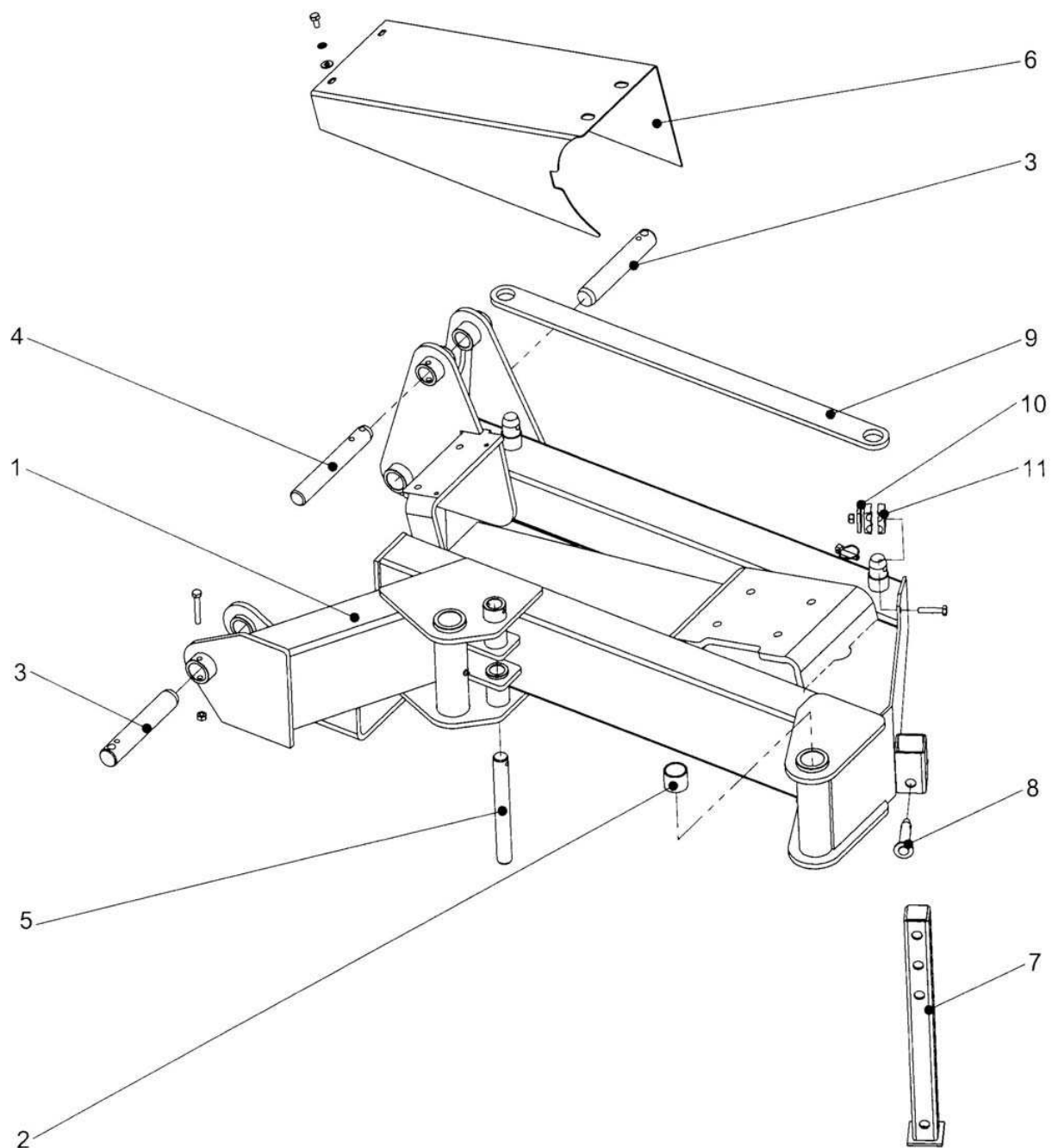
Always quote:

*Machine Type
Serial Number
Part Number*

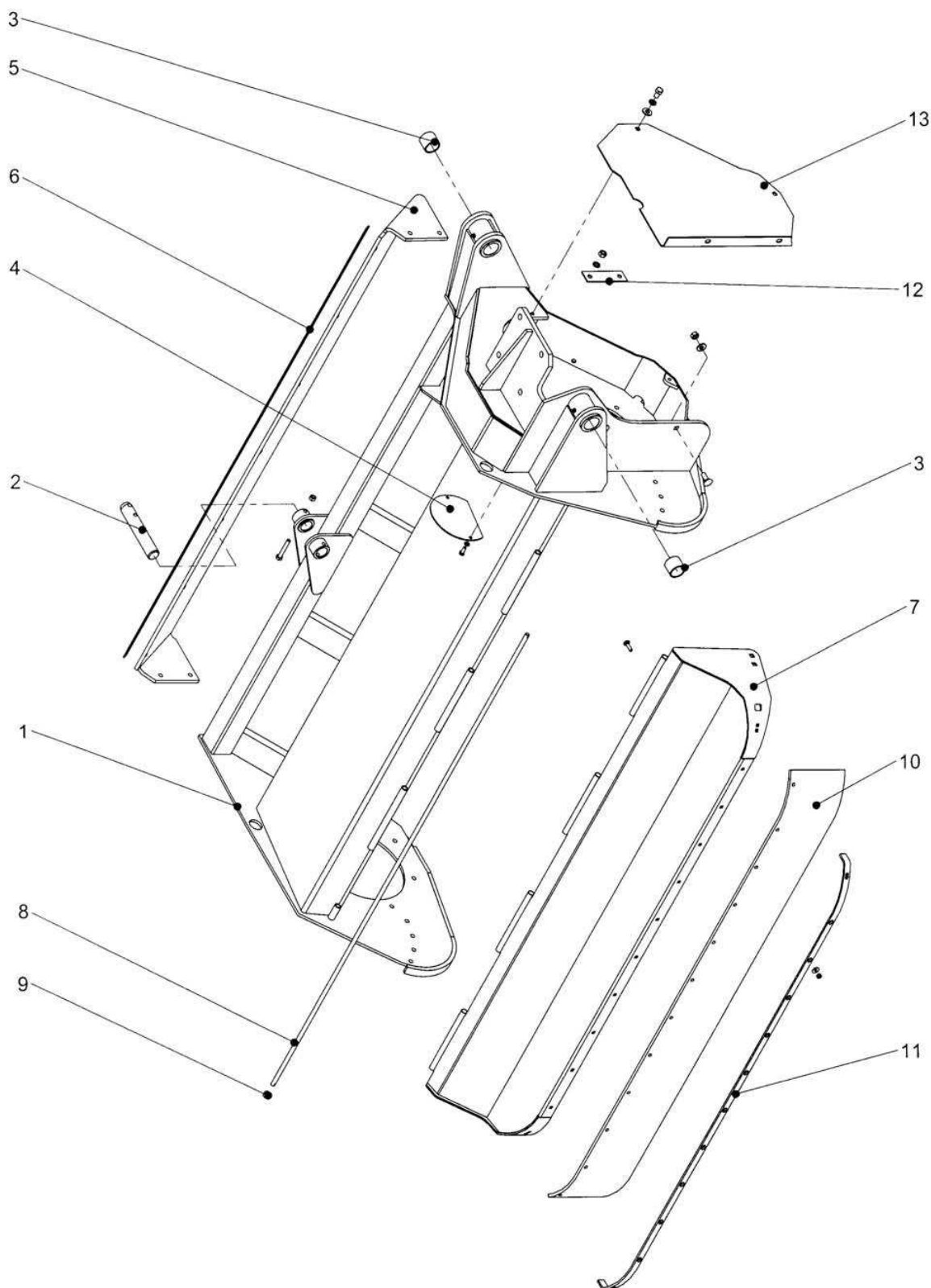
Design Improvements may have altered some of the parts listed in this manual – The latest part will always be supplied when it is interchangeable with an earlier one.

MAINFRAME & LINKS

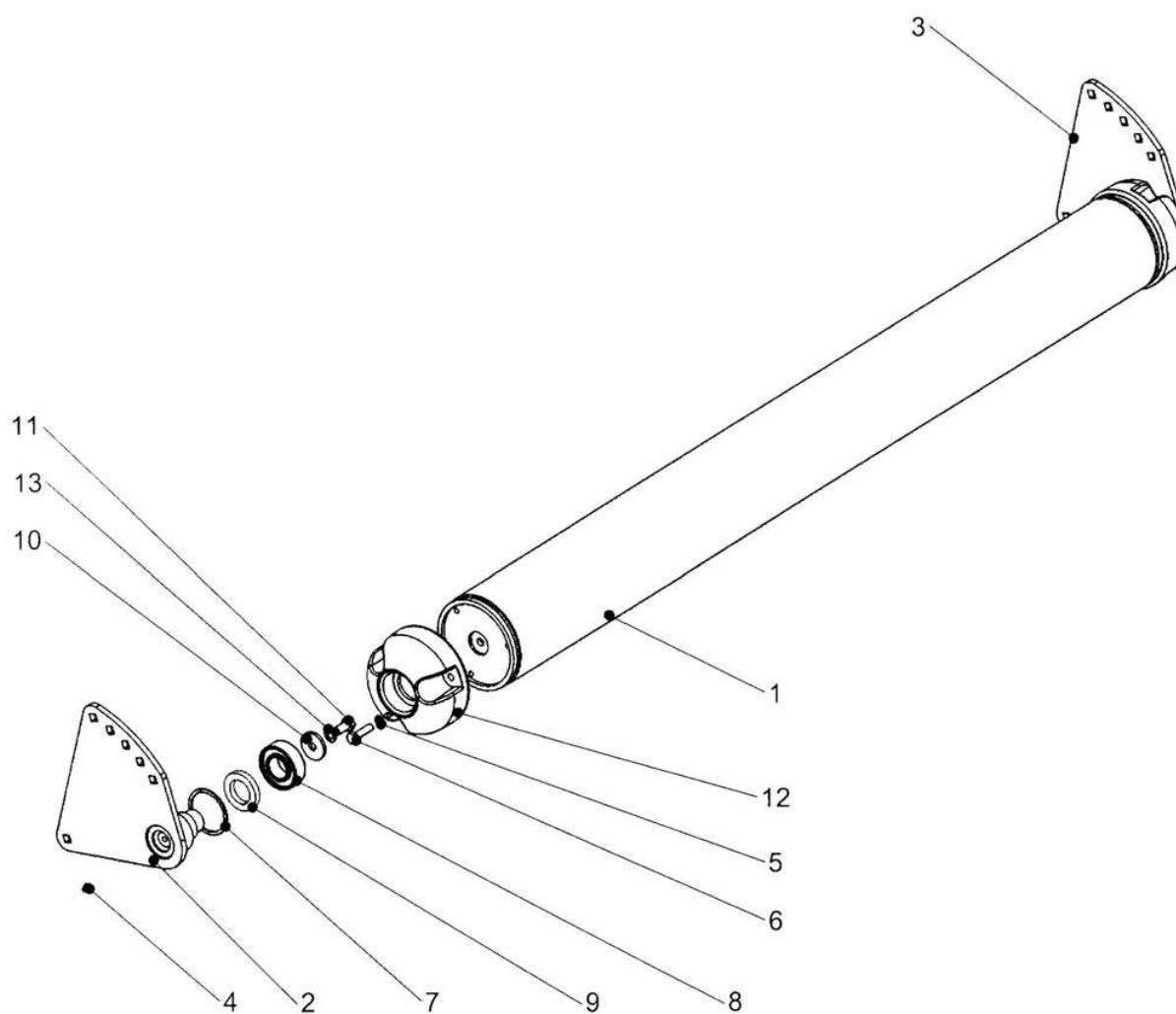
Item	Part No.	Description	Qty.
77.417.01 MAINFRAME ASSY			
01	47443.01	MAINFRAME	1
01	05.227.01	HAMMER DRIVE SCREW NO.6X3/8"	2
01	05.774.07	SERIAL NO. PLATE BOMFORDTURNER	1
01	05.953.04	GREASE NIPPLE M10 90 DEG	2
02	42250.01	PIN-CAT 2 - 1"DIA - 115MM	1
02	00.372.01	LINCH PIN	1
03	41.281.01	PIN 1.1/8"DIA X 140	2
03	00.372.01	LINCH PIN	2
04	47395.01	STAND	2
05	03.652.01	PIN 20 DIA X 90	2
05	00.372.01	LINCH PIN	2
06	08.297.02	BUSH - PLASTIC 47 X 40 X 40	4
07	06.430.07	CLAMP HOSE	4
08	06.418.06	CLAMP PLATE 48 X 6	1
08	04.282.09	STUD M10 X 85MM	1
08	05.282.02	SPRING WASHER 10MM PLATED	1
08	05.286.02	NUT M10 PLATED	1
77.420.01 LINK ASSY FIXED			
21	47439.01	LINK - RAM	1
22	43292.50	PIN 40 DIA X 348	2
22	05.287.02	SELF-LOCKING NUT M10 PLATED	2
22	05.292.11	BOLT M10 X 80MM PLATED	2
23	03.654.69	PIN 30 DIA - 150	1
23	05.287.01	SELF-LOCKING NUT M8 PLATED	1
23	05.291.06	BOLT M8 X 55MM PLATED	1
24	41564.01	THRUST WASHER	4
25	06.430.07	CLAMP HOSE	4
26	06.418.06	CLAMP PLATE 48 X 6	1
26	04.282.09	STUD M10 X 85MM	1
26	05.282.02	SPRING WASHER 10MM PLATED	1
26	05.286.02	NUT M10 PLATED	1
77.419.01 LINK ASSY BREAKOUT			
41	47377.01	LINK - BREAKOUT INNER	1
42	47378.01	LINK - BREAKOUT OUTER	1
43	41564.01	THRUST WASHER	4
44	43292.50	PIN 40 DIA X 348	2
44	05.287.02	SELF-LOCKING NUT M10 PLATED	2
44	05.292.11	BOLT M10 X 80MM PLATED	2
45	46440.01	SPRING GUIDE BAR	1
46	03.851.01	COLLAR 75DIA X 20MM	1
47	03.865.02	SPRING-COMP. 70 DIA X 275MM	1
48	05.287.07	SELF-LOCKING NUT M30	2

ARM ASSEMBLY

Item	Part No.	Description	Qty.
77.418.01/02 ARM ASSY RH/LH REAR			
01	47372.01	ARM LH REAR	1
01	47372.02	ARM RH REAR	1
01	00.372.01	LINCH PIN	2
01	05.953.03	GREASE NIPPLE M10	2
02	08.297.02	BUSH - PLASTIC 47 X 40 X 40	4
03	46447.02	PIN 40 DIA X 230	2
03	05.287.02	SELF-LOCKING NUT M10 PLATED	2
03	05.291.19	BOLT M10 X 70MM PLATED	2
04	46446.01	PIN 35DIA- 250	1
04	05.287.02	SELF-LOCKING NUT M10 PLATED	1
04	05.291.18	BOLT M10 X 65 PLATED	1
05	03.654.74	PIN 30DIA X 260	1
05	05.287.01	SELF-LOCKING NUT M8 PLATED	1
05	05.291.06	BOLT M8 X 55MM PLATED	1
06	47482.01	GUARD - DRIVE LH	1
06	47482.02	GUARD - DRIVE RH	1
06	05.264.11	SETSCREW M10 X 20MM PLATED	2
06	05.281.02	FLAT WASHER 10MM PLATED	2
06	05.282.02	SPRING WASHER 10MM PLATED	2
07	47395.01	STAND	1
08	03.652.01	PIN 20 DIA X 90	1
08	00.372.01	LINCH PIN	1
09	47451.01	STRAP - TRANSPORT	1
10	06.430.07	CLAMP HOSE	2
10	05.282.02	SPRING WASHER 10MM PLATED	1
10	05.286.02	NUT M10 PLATED	1
10	05.291.15	BOLT M10 X 50MM PLATED	1
11	06.418.06	CLAMP PLATE 48 X 6	1

CUTTING HEAD 2000

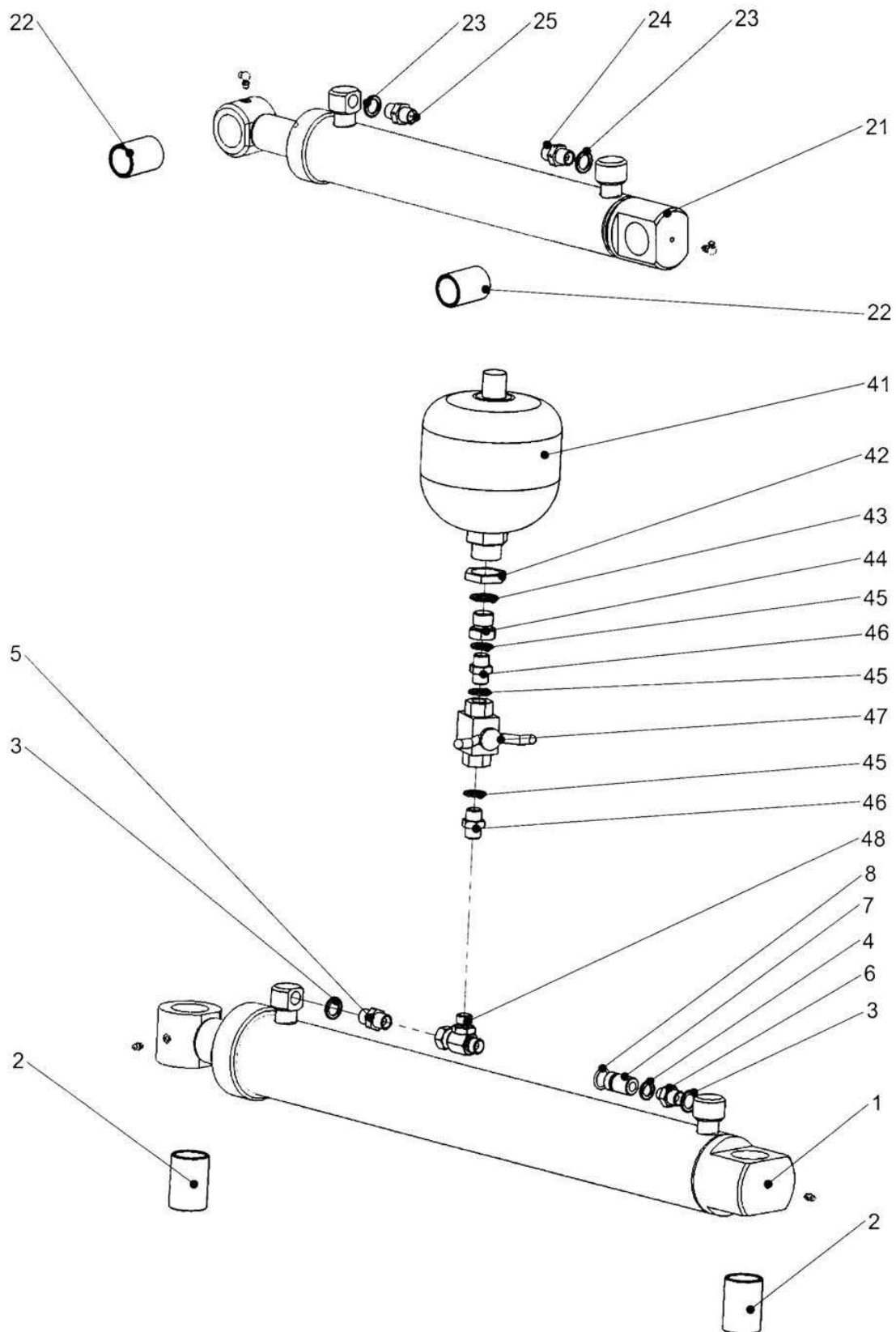
Item	Part No.	Description	Qty.
77.415.03/04 CUTTING HEAD ASSY 2000 LH/RH REAR 10267			
01	47481.01	CUTTING HEAD - 2000 LH REAR	1
01	47481.02	CUTTING HEAD - 2000 RH REAR	1
01	05.953.03	GREASE NIPPLE M10	2
02	46445.01	PIN DIA 35 X 200	1
02	05.287.02	SELF-LOCKING NUT M10 PLATED	1
02	05.291.18	BOLT M10 X 65 PLATED	1
03	08.297.02	BUSH - PLASTIC 47 X 40 X 40	4
04	46369.02	PLATE - COVER	1
04	05.264.01	SETSCREW M8 X 20MM PLATED	2
04	05.282.01	SPRING WASHER 8MM PLATED	2
05	41452.01	GUARD - FLEXIBLE 2000	1
06	41.237.01	BACKING STRIP	1
06	05.287.01	SELF-LOCKING NUT M8 PLATED	8
06	9293054	BOLT CUP SQUARE M8X25 (PLATE)	7
07	46414.02	GUARD - FRONT 2000	1
07	05.282.03	SPRING WASHER 12MM PLATED	2
07	05.286.03	NUT M12 PLATED	2
07	05.839.27	BOLT CUP SQ M12 X 25 (PLATED)	2
08	42129.05	PIN PIVOT 10 DIA - 2170MM	1
09	41436.02	SPACER 3/4"DIA - 12MM	2
09	05.201.17	TENSION PIN 3MM X 25MM PLATED	2
10	46363.01	GUARD - FLEXIBLE FRONT 2000	1
11	46362.01	BACKING STRIP	1
11	05.281.01	FLAT WASHER 8MM PLATED	14
11	05.287.01	SELF-LOCKING NUT M8 PLATED	15
11	9293064	BOLT CUP SQUARE M8X30 (PLATED)	12
12	41418.01	CLAMP - GUARD	2
12	05.282.03	SPRING WASHER 12MM PLATED	4
12	05.286.03	NUT M12 PLATED	4
12	05.839.34	BOLT CUP SQ M12 X 35 (PLATED)	4
13	47387.01	GUARD - DRIVE LH	1
13	47387.02	GUARD - DRIVE RH	1
13	05.264.21	SETSCREW M12 X 20MM PLATED	2
13	05.281.02	FLT WASHER 10MM PLATED FORM C	2
13	05.281.03	FLAT WASHER 12MM PLATED	2
13	05.282.03	SPRING WASHER 12MM PLATED	4
13	05.286.03	NUT M12 PLATED	2
13	05.839.34	BOLT CUP SQ M12 X 35 (PLATED)	2

ROLLER ASSEMBLY

Item	Part No.	Description	Qty.
77.402.01 ROLLER ASSY 150HD 1600			
01	47324.01	ROLLER TUBE (CENTRE)	1
02	47322.01	ROLLER BRACKET LH HD CONDOR	1
03	47322.02	ROLLER BRACKET RH HD CONDOR	1
04	05.953.03	GREASE NIPPLE M10	2
05	05.283.02	SHAKEPROOF WASHER 10MM PLATED	6
06	05.291.13	BOLT M10 X 40MM PLATED	6
07	05.959.12	CIRCLIP - INT 72MM DIA	2
08	45675.01	BEARING 35MM BORE DIA	2
09	04.164.07	SINGLE LIP SEAL 72OD 45ID X 10	2
10	05.234.01	WASHER 44.5 X 13 X 5MM PLATED	2
11	03.068.01	SPECIAL SETSCREW M12 X 25	2
12	45323.01	ROLLER END	2
13	05.282.03	SPRING WASHER 12MM PLATED	2

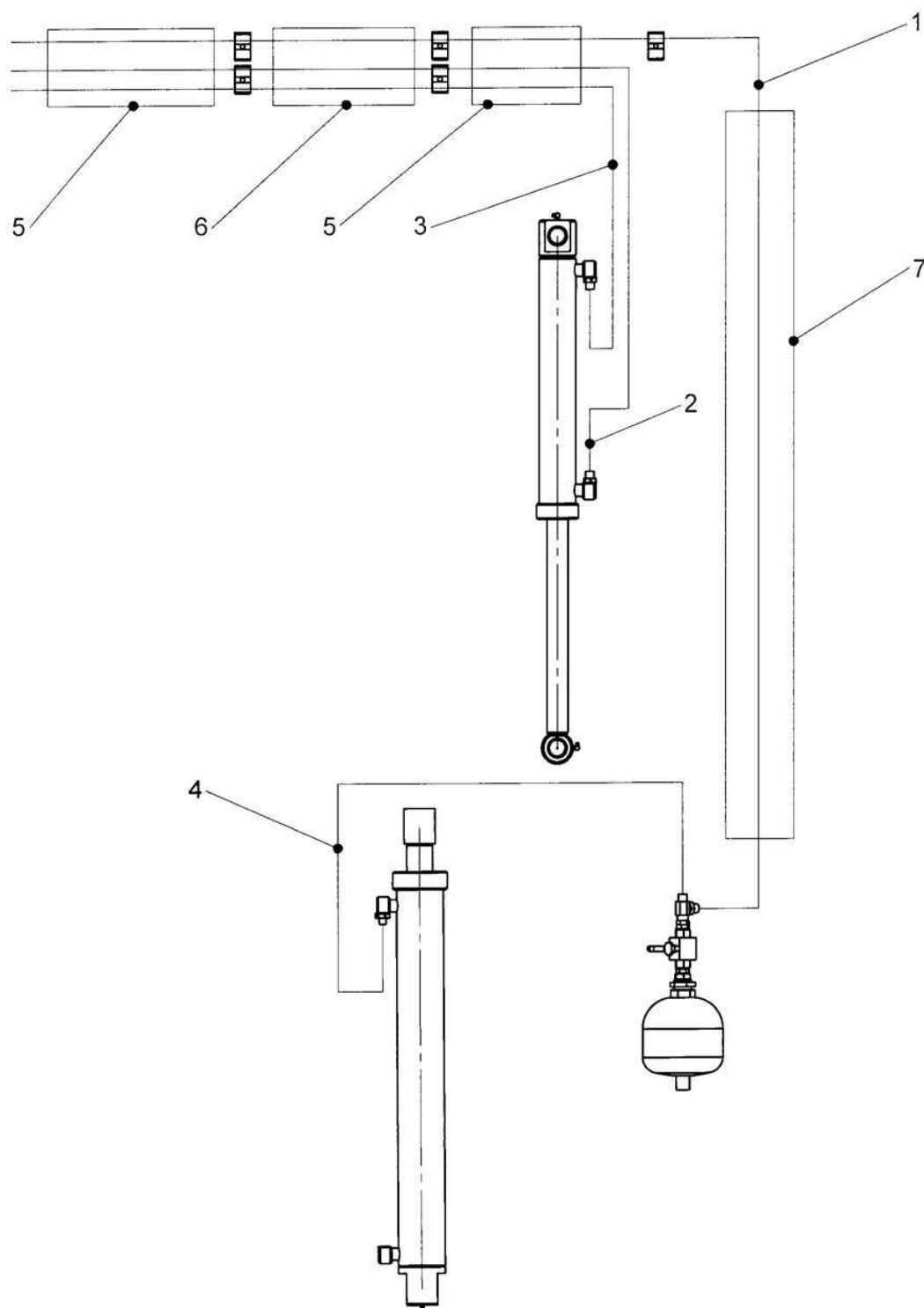
77.402.02 ROLLER ASSY 150HD 2000

01	47324.02	ROLLER TUBE (CENTRE)	1
02	47322.01	ROLLER BRACKET LH HD CONDOR	1
03	47322.02	ROLLER BRACKET RH HD CONDOR	1
04	05.953.03	GREASE NIPPLE M10	2
05	05.283.02	SHAKEPROOF WASHER 10MM PLATED	6
06	05.291.13	BOLT M10 X 40MM PLATED	6
07	05.959.12	CIRCLIP - INT 72MM DIA	2
08	45675.01	BEARING 35MM BORE DIA	2
09	04.164.07	SINGLE LIP SEAL 72OD 45ID X 10	2
10	05.234.01	WASHER 44.5 X 13 X 5MM PLATED	2
11	03.068.01	SPECIAL SETSCREW M12 X 25	2
12	45323.01	ROLLER END	2
13	05.282.03	SPRING WASHER 12MM PLATED	2

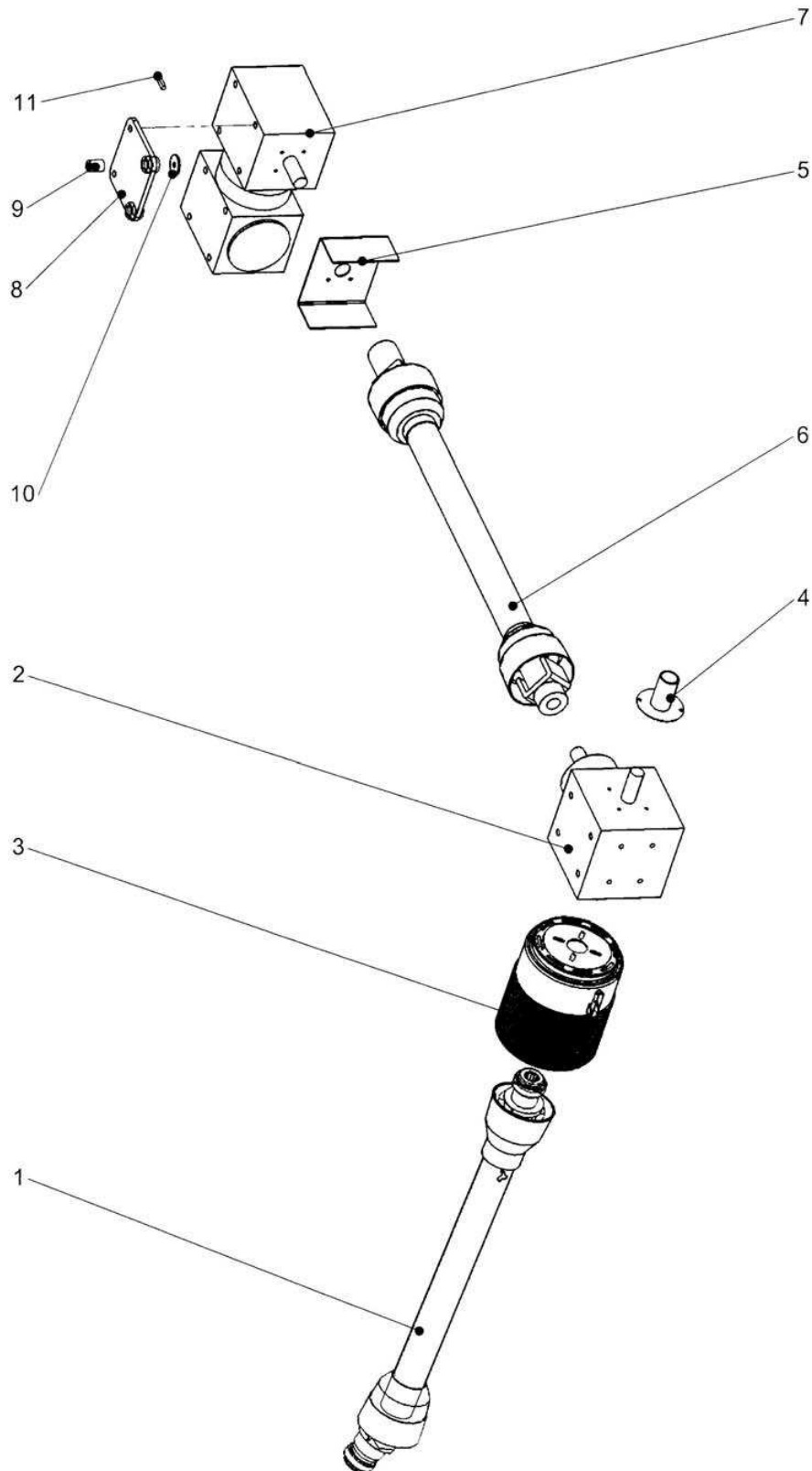
RAM ASSEMBLIES

Item	Part No.	Description	Qty.
77.233.02 RAM ASSY - OFFSET			
21	05.953.05	GREASE NIPPLE M6 X 90DEG	2
21	45942.01	RAM ASSY D/A 60 BORE	1
22	08.297.14	PLASTIC BUSH 37 X 30 X 50	2
23	05.290.04	BONDED SEAL 3/8"BSP	2
24	46518.01	RESTRICTOR 3/8"X3/8"BSP 1.27	1
25	46518.15	RESTRICTOR 3/8"X3/8"BSP 1.70	1
77.232.02 RAM ASSY – CUTTING HEAD			
01	05.953.01	GREASE NIPPLE M6	2
01	46002.04	RAM ASSY D/A 80 BORE	1
01	46002.26	SEAL KIT	0
02	08.297.08	PLASTIC BUSH - 42 X 35 X 60	2
03	05.290.04	BONDED SEAL 3/8"BSP	2
04	05.290.02	BONDED SEAL 1/4"BSP	1
05	46518.01	RESTRICTOR 3/8"X3/8"BSP 1.27	1
06	01.099.01	ADAPTOR 3/8"BSP X1/4"BSP	1
07	154.021	BREATHER 1/4" PLATED	1
08	T5222	'O' RING	1
77.117.05 ACCUMLATOR ASSY - CUTTING HEAD RAM			
41	8126043	ACCUMULATOR 1.4LT - 90 BAR	1
42	8126035	M33 BULKHEAD NUT	1
43	8650322	M22 BONDED SEAL	1
44	8581284	ADAPTOR M22 X 3/8"BSP MF	1
45	05.290.04	BONDED SEAL 3/8"BSP	3
46	05.124.01	ADAPTOR 3/8" BSP X 3/8" BSP	2
47	08.200.01	VALVE - ISOLATING 3/8" BSP	1
48	11.068.69	ADAPTOR-TEE 3/8"F X 3/8"M X 3/8"M - BSP	1

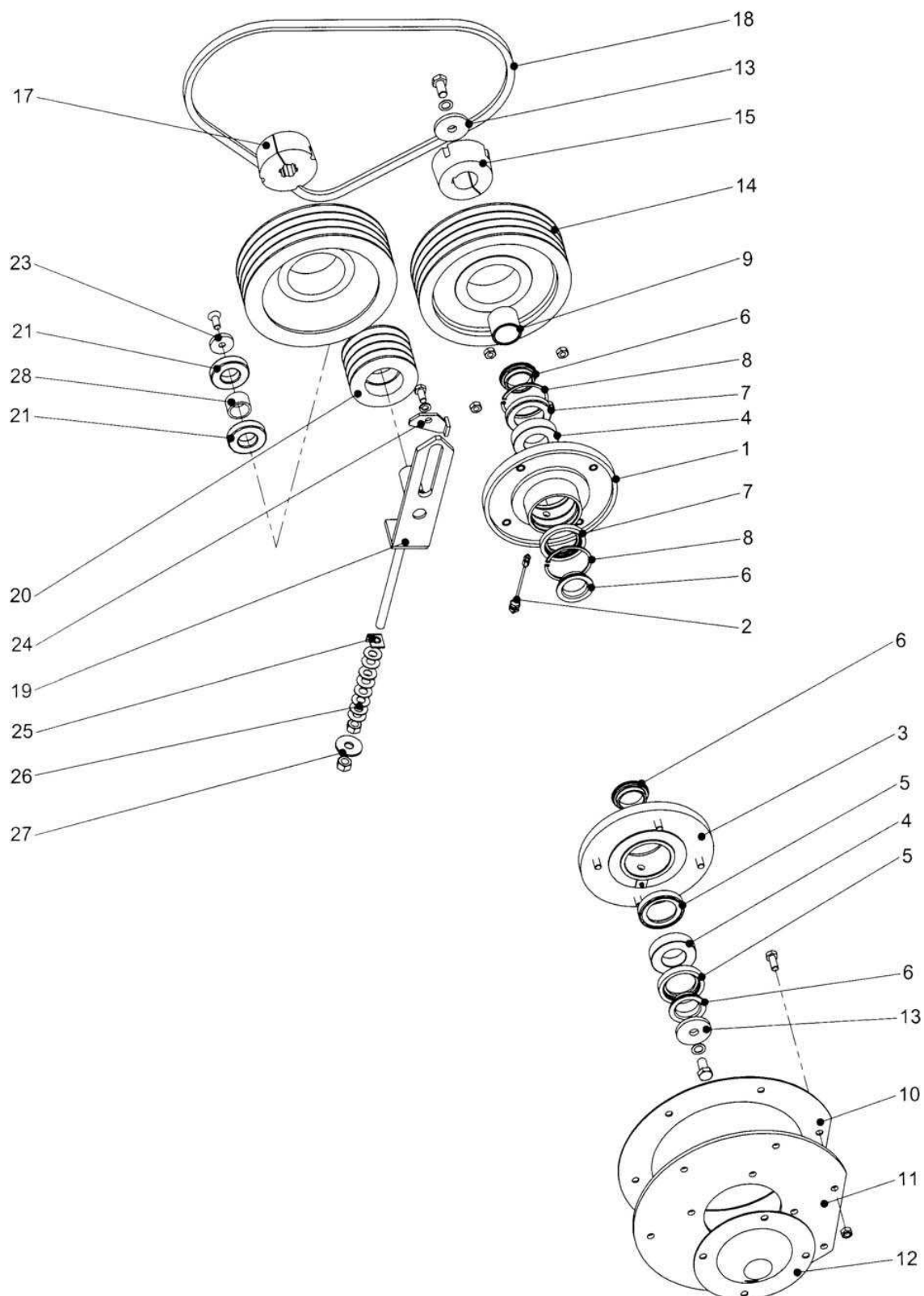
HOSES



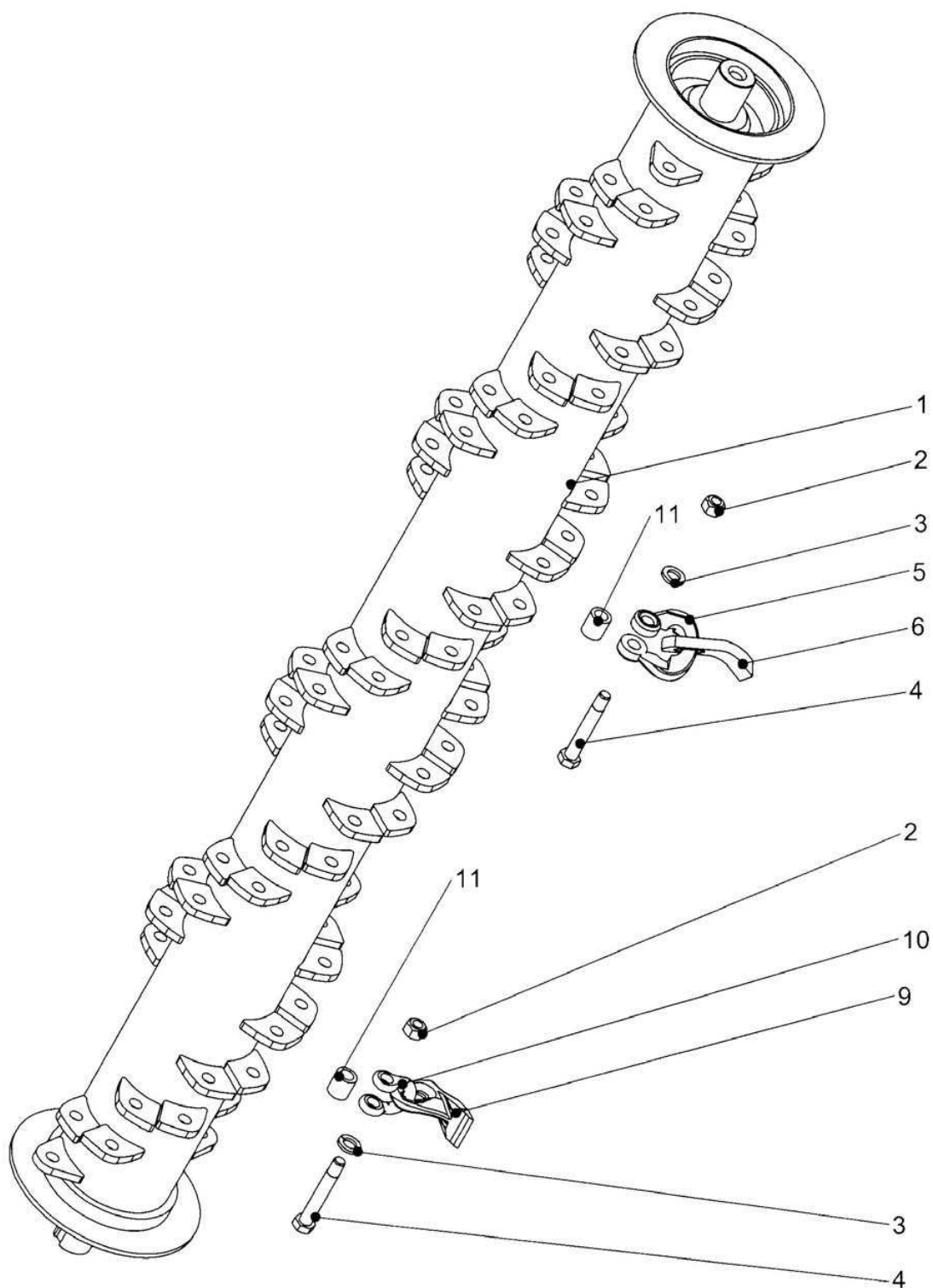
Item	Part No.	Description	Qty.
77.240.02 HOSE KIT			
01	10.003.58	HOSE 3/8" X 4800 LG	1
02	10.003.35	HOSE 3/8" X 2500 LG	1
03	10.003.37	HOSE 3/8" X 2700 LG	1
04	10.004.17	HOSE 3/8" X 850 LG	1
05	43543.01	HOSE SLEEVE	2
06	43543.02	HOSE SLEEVE	1
07	43543.03	HOSE SLEEVE	1
	05.124.01	ADAPTOR 3/8" X 3/8" BSP	3
	05.225.01	ADAPTOR 3/8" X 1/2" BSP REDUCING	3
	05.290.04	BONDED SEAL 3/8"	3
	05.290.05	BONDED SEAL 1/2"	3
	05.300.03	PLUG - PLASTIC 1/2" FEMALE	3

PTO, INTERMEDIATE SHAFT & GEARBOXES

Item	Part No.	Description	Qty.
77.421.01 PTO, INTERMEDIATE SHAFT & GEARBOXES			
01	43602.04	PTO SHAFT 1210 C/C	1
02	47373.01	GEARBOX	1
02	05.264.35	SETSCREW M16 X 40MM PLATED	4
02	05.282.04	SPRING WASHER 16MM PLATED	4
03	21839.01	PTO GUARD ASSY	1
03	05.264.03	SETSCREW M8 X 30MM PLATED	4
03	05.281.01	FLAT WASHER 8MM PLATED	4
03	05.282.01	SPRING WASHER 8MM PLATED	4
04	42668.02	GUARD GEARBOX SHAFT	1
04	05.264.01	SETSCREW M8 X 20MM PLATED	2
04	05.282.01	SPRING WASHER 8MM PLATED	2
05	47424.01	GUARD - GEARBOX	1
05	05.264.01	SETSCREW M8 X 20MM PLATED	4
05	05.282.01	SPRING WASHER 8MM PLATED	4
06	47436.01	SHAFT-DRIVE T60-0310S-345-112	1
07	47371.01	GEARBOX SWIVEL	1
07	05.264.35	SETSCREW M16 X 40MM PLATED	6
07	05.282.04	SPRING WASHER 16MM PLATED	6
08	47401.01	BRACKET - GEARBOX	1
09	03.871.01	RUBBER BUSH	2
09	05.282.03	SPRING WASHER 12MM PLATED	2
09	05.286.03	NUT M12 PLATED	2
09	05.291.30	BOLT M12 X 75MM PLATED	2
10	02.824.01	WASHER 50 O/DX13 I/DX6MM	2
11	05.960.16	KEY-S/REP 12MM X 8MM X 40MM	1

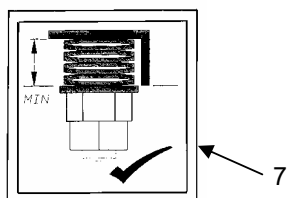
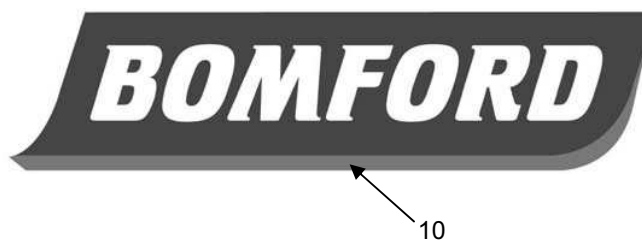
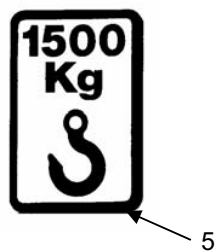
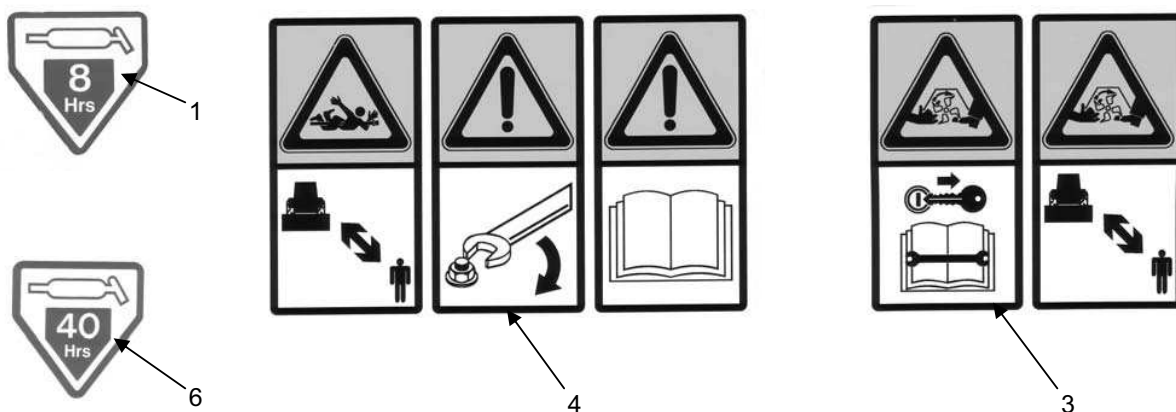
ROTOR DRIVE & BEARINGS

Item	Part No.	Description	Qty.
77.416.01 ROTOR DRIVE AND BEARINGS			
01	46342.03	HOUSING - BEARING DRIVE	1
01	05.968.03	SELF LOCKING NUT M12 (FINE)	4
02	45677.01	GREASING ASSY.- FK COWL D/END	1
03	46342.02	HOUSING - BEARING NON DRIVE	1
03	05.953.01	GREASE NIPPLE M6	1
03	05.968.03	SELF LOCKING NUT M12 (FINE)	4
04	04.163.04	BEARING-SPH.ROLLER 45MM BORE	2
05	43272.01	SPACER-SEAL-STEPPED	2
06	06.910.01	COLLAR-SEAL	4
07	06.909.01	SPACER-SEAL	2
08	05.959.07	CIRCLIP - INT 85MM DIA	2
09	46360.02	SPACER	1
10	46609.01	PLATE - SPACER	1
11	46610.01	PLATE - BEARING MOUNT	1
11	05.264.23	SETSCREW M12 X 30MM PLATED	5
11	05.968.03	SELF LOCKING NUT M12 (FINE)	5
12	00.876.03	COVER - BEARING NON DRIVE 3MM	1
13	04.252.01	WASHER 65 O/D X 17 I/DX8MM	2
13	05.264.33	SETSCREW M16 X 30MM PLATED	2
13	05.283.04	SHAKEPROOF WASHER 16MM PLATED	2
14	42539.03	PULLEY - VEE 280 PCD 4SPB	1
15	42541.02	TAPER LOCK BUSH 45MM BORE 3020	1
15	05.960.13	KEY-S/REP 14MM X 9MM X 45MM	1
16	42539.04	PULLEY - SPECIAL VEE 280 PCD	1
17	42541.03	BUSH - TAPER LOCK 1.3/8" 6 SPL	1
18	05.299.48	BELT-XPB X 1600 QUAD II	4
19	04.399.04	BRACKET - IDLER PULLEY	1
20	46506.01	PULLEY - IDLER 4SPB	1
21	03.007.10	BEARING - BALL 35MM BORE	2
23	47478.01	WASHER	1
23	05.345.09	SOCKET CSK SCREW M12X1.75X30	1
24	04.401.02	PLATE - BRACKET IDLER PULLEY	1
24	05.264.22	SETSCREW M12 X 25MM PLATED	1
24	05.282.03	SPRING WASHER 12MM PLATED	1
25	42929.03	STRAP - DISC ADJUSTMENT	1
26	05.398.05	DISC SPRING 16.3X34X1.5	8
27	45317.01	WASHER - M16 SPECIAL	1
27	05.286.04	NUT M16 PLATED	2
28	47477.01	SPACER	1

ROTOR SHAFT ASSEMBLY

Item	Part No.	Description	Qty.
47403.01/02/03/04 ROTOR SHAFT ASSEMBLY 1600			
01	47402.01	SHAFT – TUBULAR 1600	1
02	05.968.06	SELF LOCKING NUT M14 (FINE)	44
03	05.282.04	SPRING WASHER 16MM	44
04	05.775.10	BOLT – SPECIAL M14 X 96MM	44
05	47202.01	TWISTED SHACKLE	44
06	09.527.01	FLAIL 40 X 12	44
09	42750.01	FLAIL FORGED	44
10	09.518.01	SHACKLE – LONG	44
11	41725.01	SPACER	44
47403.05/06/07/08 ROTOR SHAFT ASSEMBLY 2000			
01	47473.01	SHAFT – TUBULAR 2000	1
02	05.968.06	SELF LOCKING NUT M14 (FINE)	54
03	05.282.04	SPRING WASHER 16MM	54
04	05.775.10	BOLT – SPECIAL M14 X 96MM	54
05	47202.01	TWISTED SHACKLE	54
06	09.527.01	FLAIL 40 X 12	54
09	42750.01	FLAIL FORGED	54
10	09.518.01	SHACKLE – LONG	54
11	41725.01	SPACER	54

DECALS



Turbo VM 2000

Turbo VM 1600

Item	Part No.	Description	Qty.
77.248.03 DECALS - ENG 10267			
01	09.810.01	DECAL - GREASE (8 HOURS)	4
02	09.811.05	DECAL - MAX PTO SPEED 1000 ACW	1
03	09.821.31	DECAL - EURO DECAL MINATURISED	1
04	09.821.34	DECAL - EURO DECAL MINIATURISED	1
05	09.843.06	DECAL - LIFT POINT 1500 KG	2
06	09.810.02	DECAL - GREASE (40 HOURS)	2
07	42931.01	DECAL - ADJUSTMENT DISC	1
DECALS - MARKETING			
10	45645.01	DECAL - BOMFORD	1
11	47493.01	DECAL - TURBO VM1600	1
12	47493.02	DECAL - TURBO VM2000	1

MULCHING BAR

Item	Part No.	Description	Qty.
77.440.01 MULCHING BAR 1600			
01	47461.01	BAR - MULCHING 1600	1
02	47496.01	SPACER - 1600	1
03	05.264.12	SETSCREW M10 X25	9
04	05.282.02	SPRING WASHER	9
77.440.02 MULCHING BAR 2000			
01	47461.02	BAR - MULCHING 2000	1
02	47496.02	SPACER - 2000	1
03	05.264.12	SETSCREW M10 X25	11
04	05.282.02	SPRING WASHER	11