



sisis[®]

Veemo HD
INSTRUCTION MANUAL



1.	IMPORTANT SAFETY INTRODUCTIONS	2
2.	CERTIFICATE OF CONFORMITY	3
3.	SERIAL NUMBERS	3
4.	TECHNICAL DATA	3
5.	GENERAL INFORMATION	5
5.1.	Introduction	5
5.2.	Notice of copyrights and property rights	5
5.3.	Notes for the operator	5
5.4.	Training and instruction assistance	5
6.	Operating Instructions	6
6.1.	Power Supply	6
6.2.	Filling with oil	6
6.3.	Connecting to Tractor	6
6.4.	Depth Setting	6
6.5.	Rear Arm Float Position	6
6.6.	Rear Roller Scrapers	7
6.7.	Scarifying	7
7.	Maintenance	8
7.1.	To Replace Worn Tine Blades	8
7.2.	Replacement of Filters	8
7.3.	Maintenance and Lubrication	8
7.4.	Repair	8
7.5.	Oil Specifications	8
8.	Disposal	9
8.1.	Environmental protection	9
8.2.	Oil and waste contaminated with oil, lubrication greases	9
8.3.	Plastics	9
8.4.	Metals	9
8.5.	Final decommissioning	9
9.	Spares	10

1. IMPORTANT SAFETY INTRODUCTIONS



CAUTION:-

READ THE INSTRUCTIONS. We want you to obtain the best performance from this machine. If you have any difficulty in carrying out the following instructions please contact your local SISIS dealer.

NEVER

- Carry out adjustments whilst the machine is running.
- Allow any unauthorised person to handle machines in any way at any time.

ALWAYS

- Read the operating instructions carefully and understand the controls before commencing work.
- Use safety guards and make sure they are correctly in position. They are supplied for your protection.
- Before starting work always visually check machine for damage or wear to parts.
- Look behind before starting to reverse and watch out for children or pedestrians.
- Respect powered machines. Always keep hands and feet clear of moving parts and remember that brushes and rollers can continue to rotate even after the power unit is switched off.
- Switch off the power before making adjustments or repairs and never lift or carry a machine whilst any parts are moving.

EYE PROTECTION

In dry, dusty or windy conditions it may be necessary to wear eye protection to protect your eyes from flying debris.

2. CERTIFICATE OF CONFORMITY

VEEMO HD CN Code: 84322910

Manufacturer:- Howardson Ltd, Howardson Works, Kirk Langley, Derby, DE6 4NJ. UK

Owner of Technical Document:- Mr I.D. Howard, Howardson Ltd, Howardson Works Kirk Langley, Derby, DE6 4NJ, UK

Tested at:- Howardson Works test site.

Complies with the applicable requirements of:-

- Machine Directive 2006/42/EC

Managing Director



Ian Howard

3. SERIAL NUMBERS



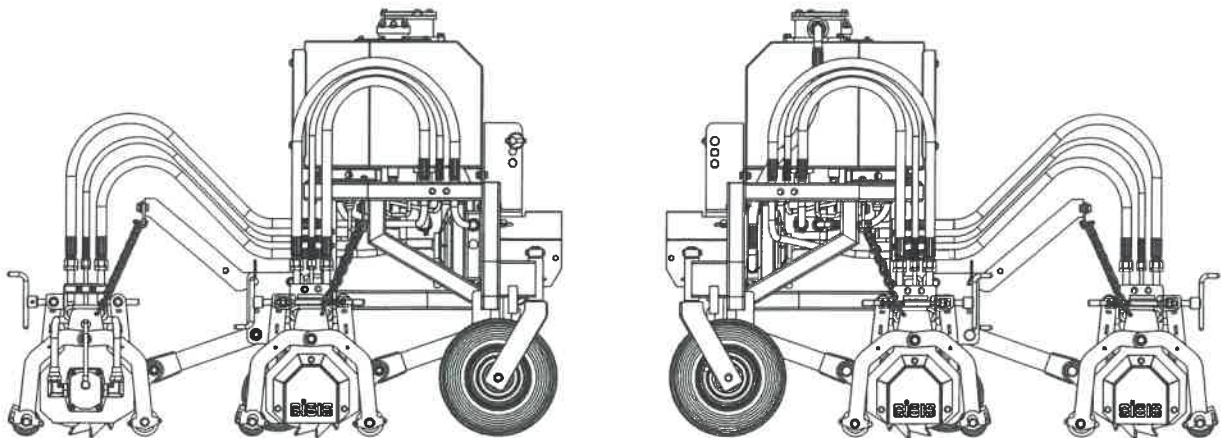
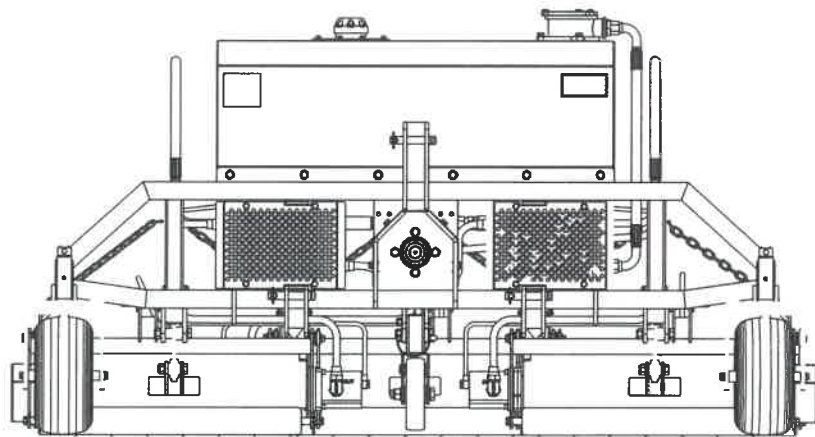
NOTE:-

MAKE A NOTE OF THE SERIAL NUMBER OF YOUR MACHINE AND ALWAYS QUOTE IT IN ANY COMMUNICATION WITH PERSONNEL AT SISIS.

MACHINE SERIAL NUMBER

4. TECHNICAL DATA

MODEL	VEEMO HD
WIDTH (mm)	2233
LENGTH (mm)	1528
HEIGHT (mm)	1170
WEIGHT (kg)	380 (Approx, excluding oil)
APPROX. GROUND COVERAGE AT 9.5Km/h	26.300m
WORKING WIDTH (mm)	1990
OIL TANK CAPACITY (ltr)	140
OIL PRESSURE	220 bar (3190 psi)
OIL FLOW RATE	71.8 L/min



5.1. Introduction

This operating manual is an essential tool to ensure the proper and safe operation of the Veemo HD.

This user manual contains important information regarding the safe, proper and efficient operation of the Veemo HD. Adherence to this manual will help to avoid risk, lower repair costs and reduce downtimes while simultaneously increasing the service life of the Veemo HD itself.

The operating manual must always be available and every person tasked with working on or with the Veemo HD must read and follow the instructions. These include, among other things

- operation and rectification of malfunctions during operation
- servicing (care, maintenance, repairs) and/or
- transport.

The reliability and quality of performance of the Veemo HD depends upon some simple care maintenance carried out regularly. This manual has been prepared to allow the user to carry out all such work.

It is advisable to read the instructions carefully. Proper care and attention will enable the machine to give a continuous, satisfactory, and reliable service. Failure to carry out regular lubrication and maintenance as outlined in this manual may render any guarantee or warranty invalid.

In the case of any difficulty, or if further information or advice is required, our Service Department is always at your call. In the interests of speed and accuracy of information please quote the serial numbers of the machine and engine when making enquiries.

For the machine, this is to be found on a plate attached to the side frame. We suggest you write the number on the front page of this book.

5.2. Notice of copyrights and property rights

- Keep this operating manual confidential.
- Only make this operating manual accessible to authorized persons.
- Only pass this operating manual to third parties after obtaining written permission from SISIS.
- All documents are protected under the Copyright Act. Passing on and reproducing documents, including excerpts, and exploiting and sharing the contents of documents is prohibited unless expressly approved in writing.
- Violations are punishable and subject to compensation of damages. SISIS reserves the right to exercise any and all industrial property rights.

5.3. Notes for the operator

The operating instructions are an essential component of the Veemo HD.

- Make sure the operating personnel read this operating manual.
- Supplement the operating manual with operating instructions based on national accident prevention regulations and environmental protection regulations including information about oversight obligations and obligations to report to take unique operational characteristics regarding work organization, work processes and/or deployed personnel into account.
- In addition to the accident prevention provisions in the country of operation, on-site and contained herein, recognized technical regulations for safe and proper operations also apply.
- Do not make any modifications or alterations to or install attachments on the Veemo HD that might negatively impact safety without approval from SISIS. This applies, in particular, to the installation and calibration of safety devices and safety valves, as well as for welding load-bearing components.
- Replacement parts must comply with the technical requirements defined by SISIS. This is always ensured if you use original replacement parts.
- Assign only trained or instructed staff to operate, service, maintain and transport the Veemo HD.
- Clearly define personnel responsibilities for operation, servicing and maintenance.

5.4. Training and instruction assistance

- As the company owner/operator, inform and instruct the operating personnel about existing legal and accident prevention regulations and about existing safety equipment on the Veemo HD. This obligation also extends to safety equipment installed around the Veemo HD. Take the various technical qualifications of the staff into account.
- Make sure the operating personnel has understood the training and make sure they comply with the training. This is the only way to ensure your personnel will work in a safe manner and be aware of the risks.
- Regularly check that personnel are complying with the training.
- As a company owner/operator, have each staff member confirm they have participated in training in writing.

6. Operating Instructions

6.1. Power Supply

Power is transmitted from the tractor PTO shaft at 540rpm to the pump and gearbox assembly. The pump supplies high pressure oil to each of the three hydraulic motors which direct drive the tine reels. A pressure relief valve is fitted to the pump. This is factory set and should not be altered. Oil is returned to the tank through filters.

6.2. Filling with oil

Before use, ensure the Veemo is filled with Hydraulic Oil on the sight glass (See image).

Incorrect quantity of oil will cause a significant loss of performance and potentially damage the machine.

6.3. Connecting to Tractor

Connect one end of the heavy duty PTO shaft to the Veemo HD and the other end to the Tractor.



ATTENTION

- Ensure a correct Horsepower Rating PTO shaft is used for the tractor.



WARNING

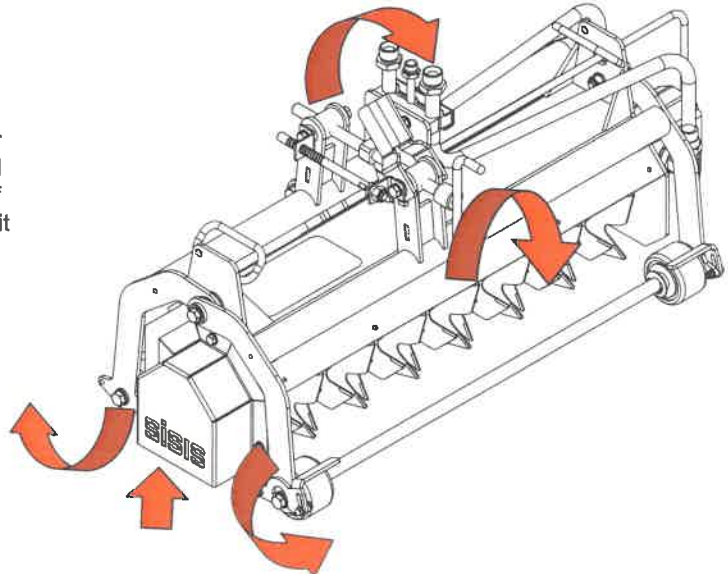
- Take extra care when connecting to the Tractor.
- Do not connect while tractor is powered up.



6.4. Depth Setting

Lift the lock gate clear of the screw adjuster and turn the adjuster clockwise to raise the tines and anti clockwise to lower the tines to the ground. Depth will be determined by the ground conditions. In general the tines will be set to go into the base of the grass sward without soil contact. In deep thatch conditions it will be necessary to slow the forward speed of the tractor.

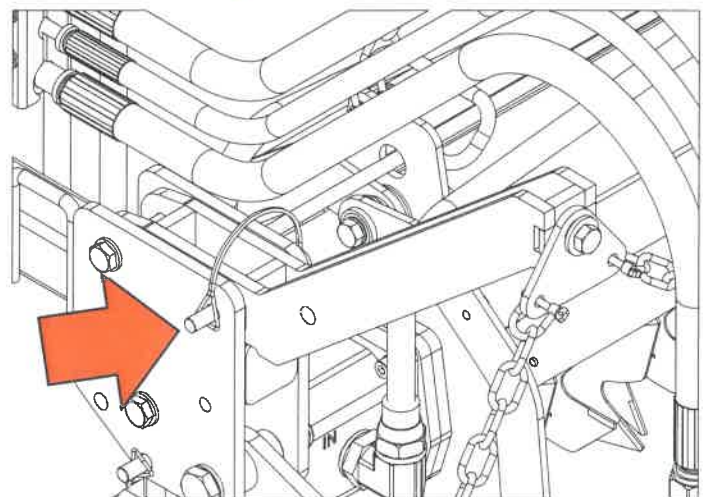
Going too deep will cause premature blade wear and can overheat the oil in the hydraulic system which can cause damage to the motor, pump or gearbox. It will also leave too much debris on the surface. It is much better to remove the thatch layer by scarifying little and often.



6.5. Rear Arm Float Position

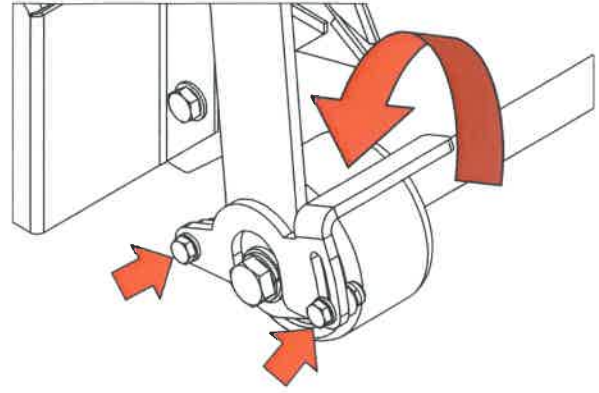
On very undulating ground the rear unit arm may be left in a float position. Remove the pin shown on the right and stow the pin in the spare hole in the arm.

Retract the jockey wheel ensuring that the retaining pin is securely fitted, this will allow the heads to be in contact with the surface of the ground.



6.6. Rear Roller Scrapers

To adjust the rear roller scrapers, loosen the two small bolts holding the scraper in place, slide the scraper to the required position and re-tighten the bolts.



6.7. Scarifying

Once set, commence scarifying as required. It is important to engage drive on the PTO shaft while the Veemo HD is raised, and then lower it into the ground as you set off. Engaging drive whilst blades are in the ground may cause damage to the machine.

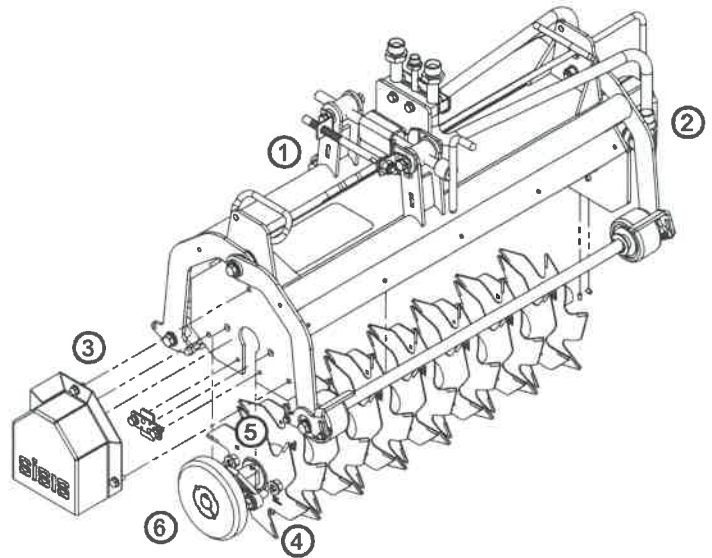
Start off at a slower pace and work up until a speed that you are comfortable with.

WARNING

- The oil pressure is limited to 220 Bar using a pressure valve.
- Do not adjust this. It may cause irreparable damage to the machine.
- Do not allow the Veemo HD to continuously bypass through the pressure valve, as the oil will overheat and cause damage to the machine.
- Engage the PTO shaft at 540 RPM. DO NOT ENGAGE AT FASTER SPEED.

7.1. To Replace Worn Tine Blades

- Detach chains of the head from the main chassis
- Detach pivot point bar releasing the head from the main Veemo assembly.
- Undo the bolts clamping the piping to the head [1]
- Remove the motor and the drive motor end plates by removing securing bolts [2]
- Rest the whole head on its side so that the blades and shaft are easy to access.
- Remove the blanking plate and flywheel guard [3] by removing the securing bolts.
- The flywheel and the bearing on the non drive end should then be removed too [4]
- Loosen the grub screws on the drive side bearing to allow the shaft to be removed.
- Remove the split pin on the shaft so that blades and spacers can be removed (the tine compression tool may be needed to take the pressure off the pin so it can be removed more easily) [5]
- Once the maintenance task is completed, reapply the tine compression tool so that the split pin can be repositioned. [6]
- Reassemble the head by reversing the steps taken to disassemble the head.



7.2. Replacement of Filters

The oil tank uses two filters (See Tank Spares):

- Return filter is fitted on top of tank.
- Suction filter is located inside tank.

These should be replaced on a regular basis. If they begin to clog up, they will cause lack of power in the machine.

7.3. Maintenance and Lubrication

- Check the oil tank level before use. Ensure that the oil level is at the centre of the top sight glass. Due to oil expanding when warm it is essential this inspection is carried out before the machine is used. Only use clean, new hydraulic oil.
- Apply oil or grease to adjusters and pivot points weekly.
- Check the oil level in the gearbox by ensuring that the level is maintained at the middle of the sight glass. If low – top up with SAE90 / EP80W/90 oil or equivalent.
- Check all nuts and bolts for tightness
- Check hydraulics for leaks
- Check tines for wear

7.4. Repair

Repairs on the Veemo HD may only be performed by trained and authorized operator technicians. The instructions in this chapter are limited to important, general information and instructions that must be followed when performing repairs.

NOTE

The following applies to all installation and disassembly work:

- Mark parts that belong together.
- Mark the installation position and location and keep records.
- After reinstallation, retighten all mechanical connections.

7.5. Oil Specifications

HYDRAULIC OIL – As supplied – ATF UNIVERSAL,

Typical Physical Properties

Viscosity Index - 170

Viscosity @ 100°C c/S – 7.0

Viscosity @ -23.3°C c/S - 2000

Viscosity @ -40°C c/S – 22000

Flash point COC °C - 180

GEAR BOX – Only use SAE90 oil or equivalent (Gear Lubricant)

8.1. Environmental protection



Environmental contamination due to substances hazardous to water

These substances can contaminate the soil and ground water or get into the sewer system.

- Comply with the statutory obligations for accident prevention and proper disposal/removal during all work on and with the system.
- When disposing of consumables or replacement materials during maintenance or when decommissioning the Veemo HD comply with the respective, applicable statutory regulations.
- In particular, when performing installation, repair and maintenance work, substance that pollute water such as lubricants and oils and cleaning fluids containing solvents must not contaminate the soil or get into the sewage system.
- Please note that these substances must be stored, transported, collected and disposed of in suitable containers.

8.2. Oil and waste contaminated with oil, lubrication greases

Oil and waste contaminated with oil and lubrication greases are highly hazardous to the environment. They are therefore disposed of by special companies.

- Always send these kinds of waste to the internal company disposal department which will forward them to special companies.

8.3. Plastics

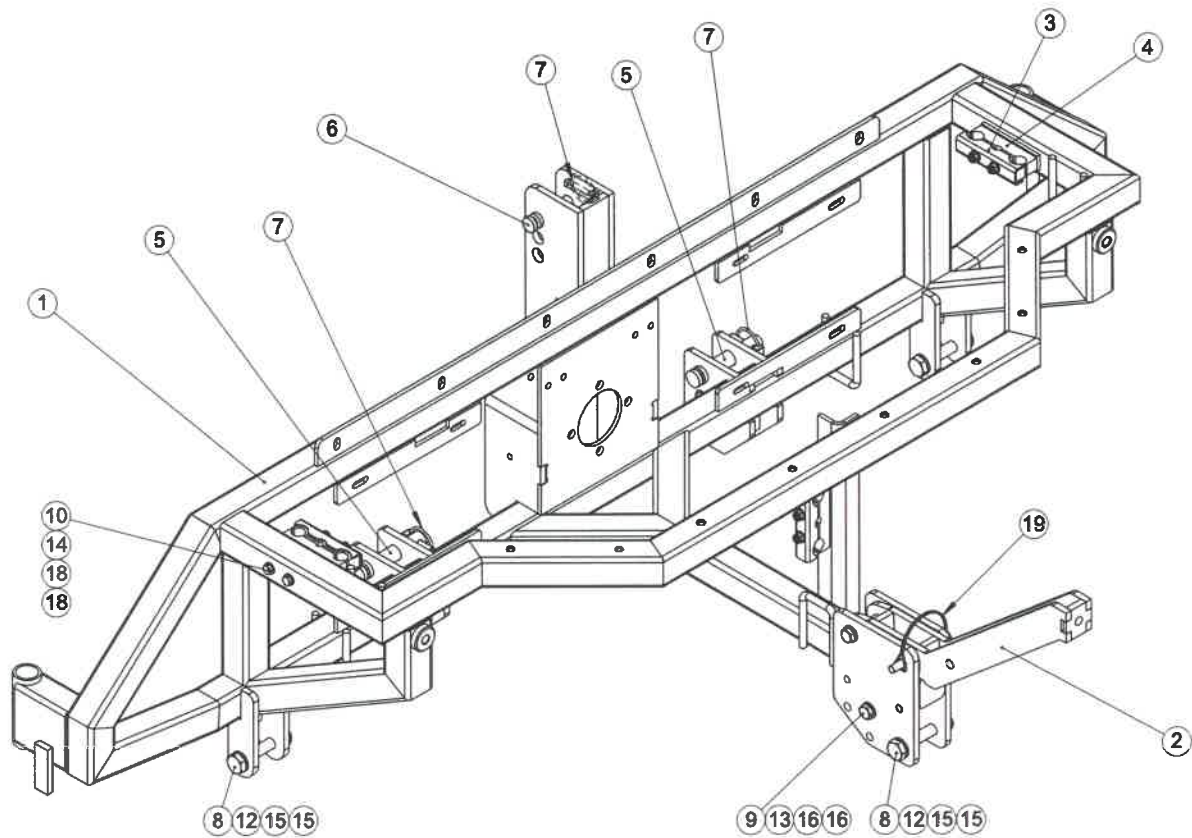
- Sort used/processed plastics as well as possible.
- Dispose of plastics in compliance with statutory requirements.

8.4. Metals

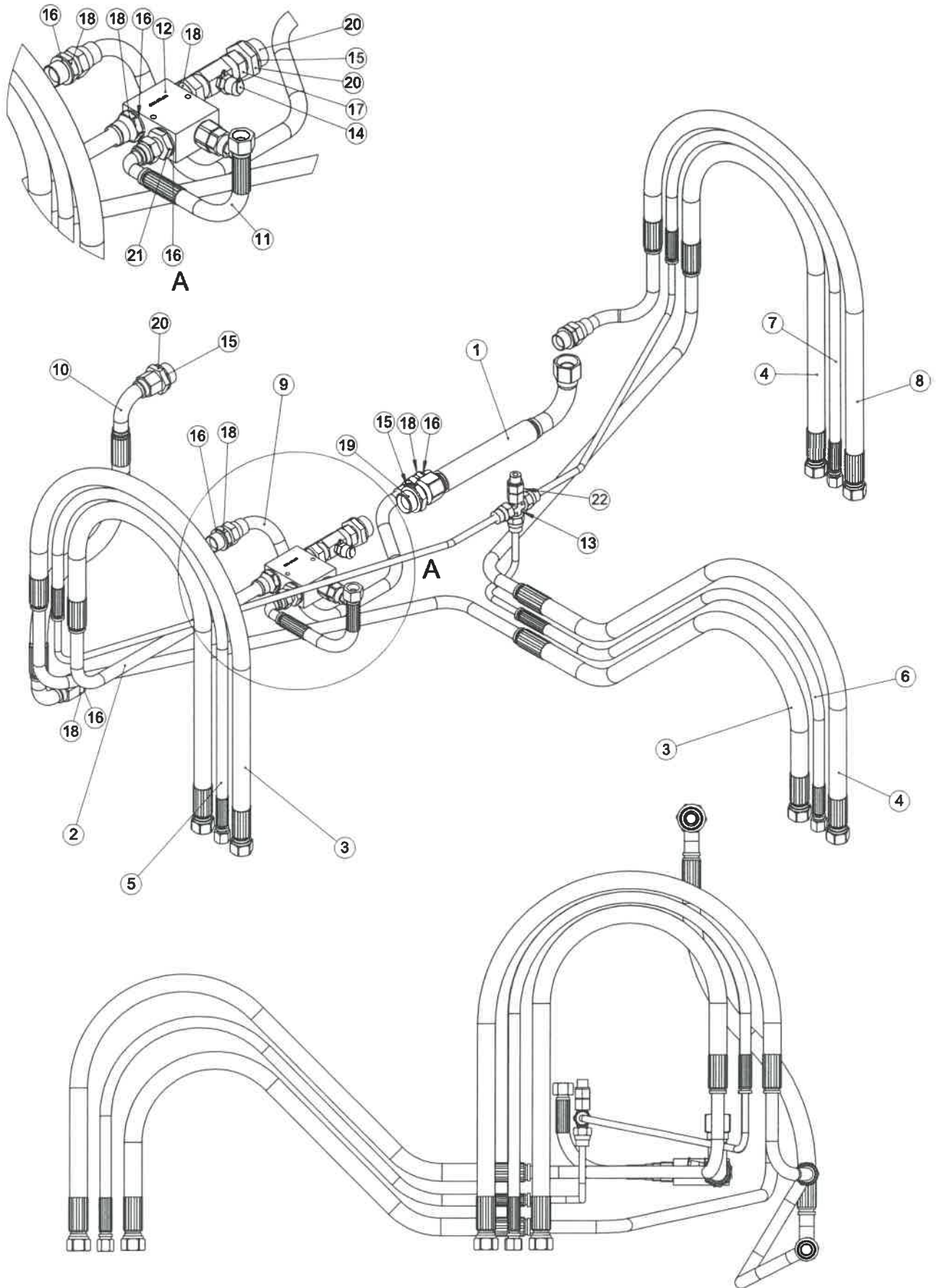
- Separate used/processed metals as well as possible.
- Have metals disposed of by an authorized company.

8.5. Final decommissioning

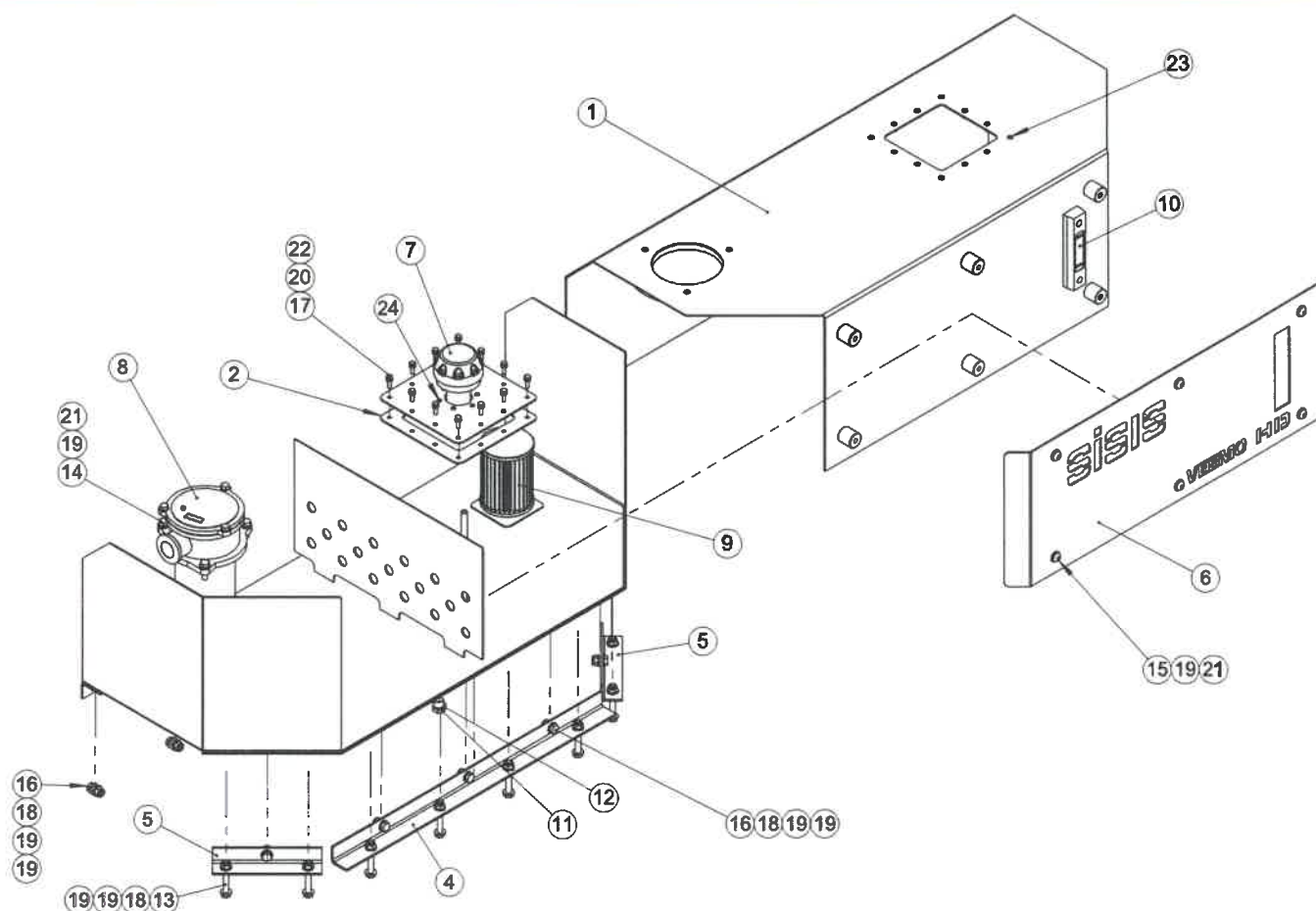
- Check which materials can be recycled and have them recycled.



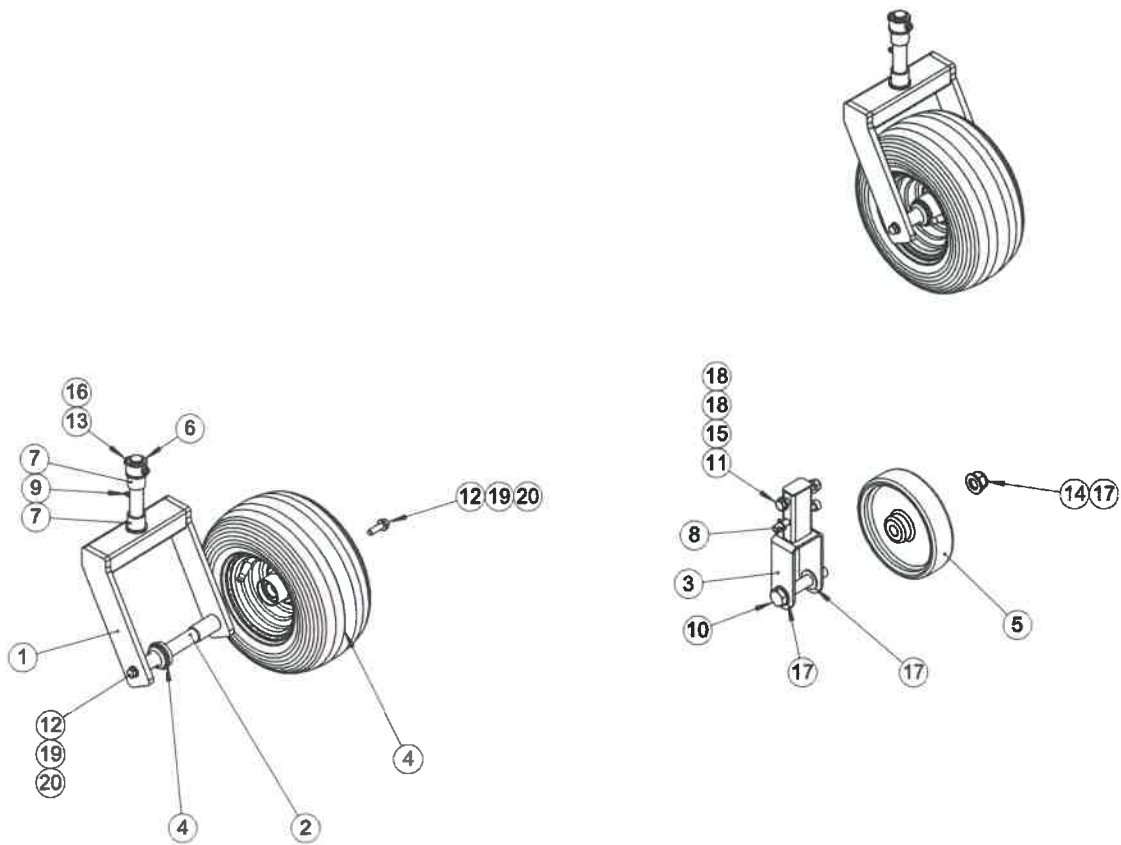
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	403320_REV0	CHASSIS VEEMO W.A. (HD)	1
2	F36494_REV2	LIFT ARM	1
3	F36454_REV1	PIPE CLAMP ASSY	3
4	F36454-1_REV0	PIPE CLAMP BLOCK	0.12
5	HURM218_REV1	TOP LINK PIN 7/8"	2
6	D8617_REV1	TOP LINK PIN 3/4"	1
7	D8326_REV1	PIN LINCH 7/16"	3
8	SP01108_REV0	HEX BOLT M16 X 90	3
9	E1-1150_REV0	HEX SET SCREW M12 X 90	2
10	F21981_REV1	HEX BOLT M8 X 110	4
11	E1-1112_REV0	HEX BOLT M8 X 60	2
12	SP02028_REV0	NUT M16 NYLOC (T)	3
13	SP02010_REV0	NUT M12 NYLOC (T)	2
14	SP02006_REV0	NUT M8 NYLOC (T)	6
15	E1-1080_REV0	WASHER M16 FORM A	6
16	SP03012_REV0	WASHER M12 FORM A	4
17	SP03011_REV0	WASHER M10 FORM A	8
18	SP03008_REV0	WASHER M8 FORM A	12
19	F20274_REV1	PIN LINCH DIA 10.8	1



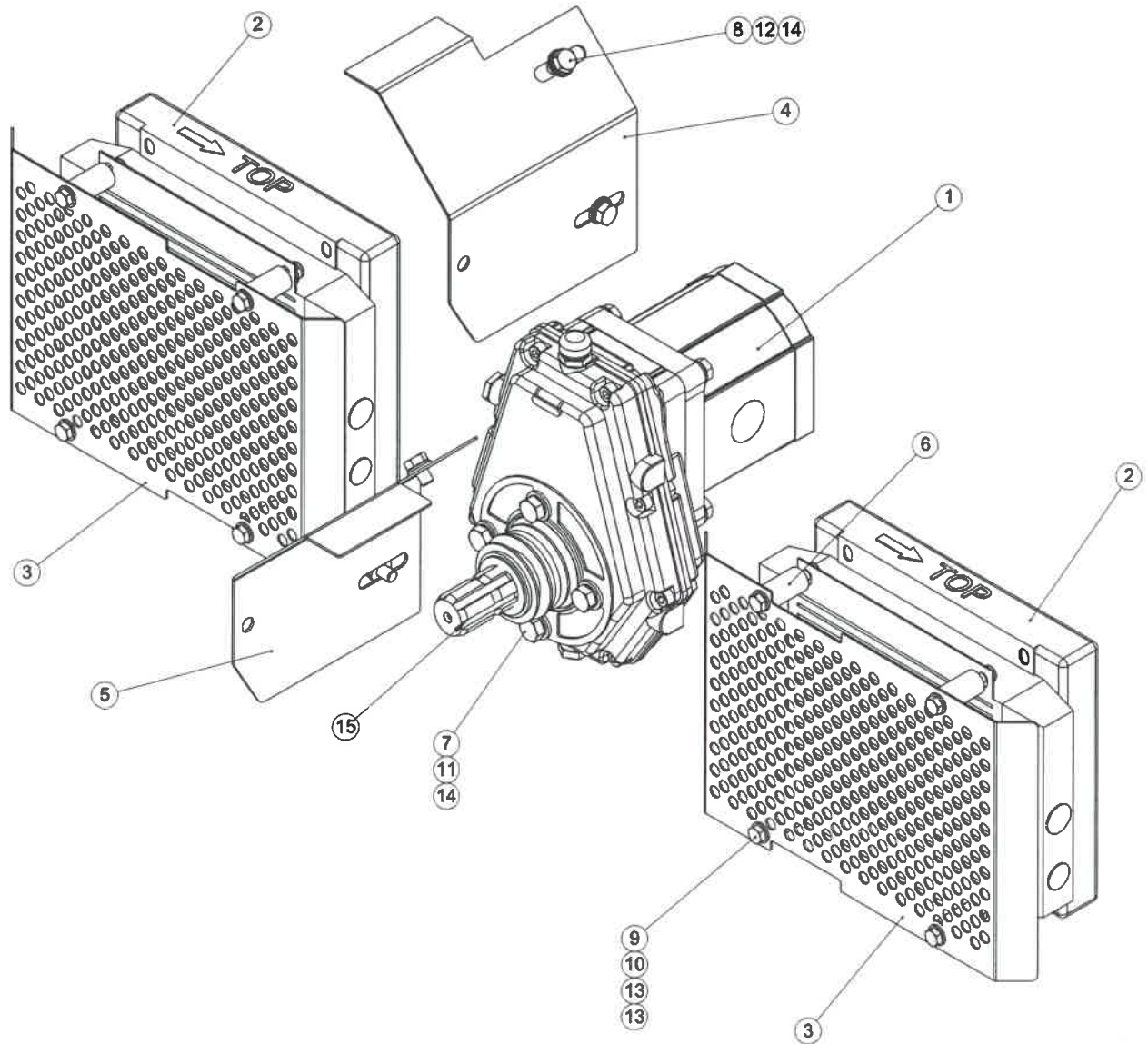
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	403347_REV1	SUCTION PIPE ASSY	1
2	403357_REV1	HEAD 1 FEED PIPE	1
3	403390_REV0	HEAD 2 FEED PIPE	1
4	403392_REV0	HEAD 3 FEED PIPE	1
5	403400_REV0	HEAD 1 RETURN PIPE	1
6	403402_REV0	HEAD 2 RETURN PIPE	1
7	403404_REV0	HEAD 3 RETURN PIPE	1
8	403394_REV0	COOLING FAN FEED PIPE	1
9	403396_REV0	COOLING FAN JOINT PIPE	1
10	403398_REV0	TANK FILTER FEED PIPE	1
11	403406_REV0	BYPASS RETURN PIPE	1
12	SP26017_REV0	PRESSURE RELIEF VALVE	1
13	SP26044_REV0	3/8 BSP EQUAL CROSS	1
14	F20496_REV1	TEST POINT 1/8" BSP	1
15	D8858_REV1	DOWTY SEAL 1" BSP (1 5/16" BORE)	3
16	F20024_REV1	DOWTY SEAL 3/4" BSP (1" BORE)	7
17	SP26030_REV0	SPECIAL TEE 3/4" BSP M/F/F	1
18	F20193_REV1	ADAPTOR 3/4" BSP M/M	6
19	SP26034_REV0	ADAPTOR 1" M/M BSPP	1
20	F20350_REV1	ADAPTOR 1" X 3/4" BSP M/M	2
21	F20353_REV1	ADAPTOR 1/2" BSP X 3/4" BSP M/M	1
22	SP26045_REV0	3/8 MALE TO FEMALE SWIVEL ADAPTER	1



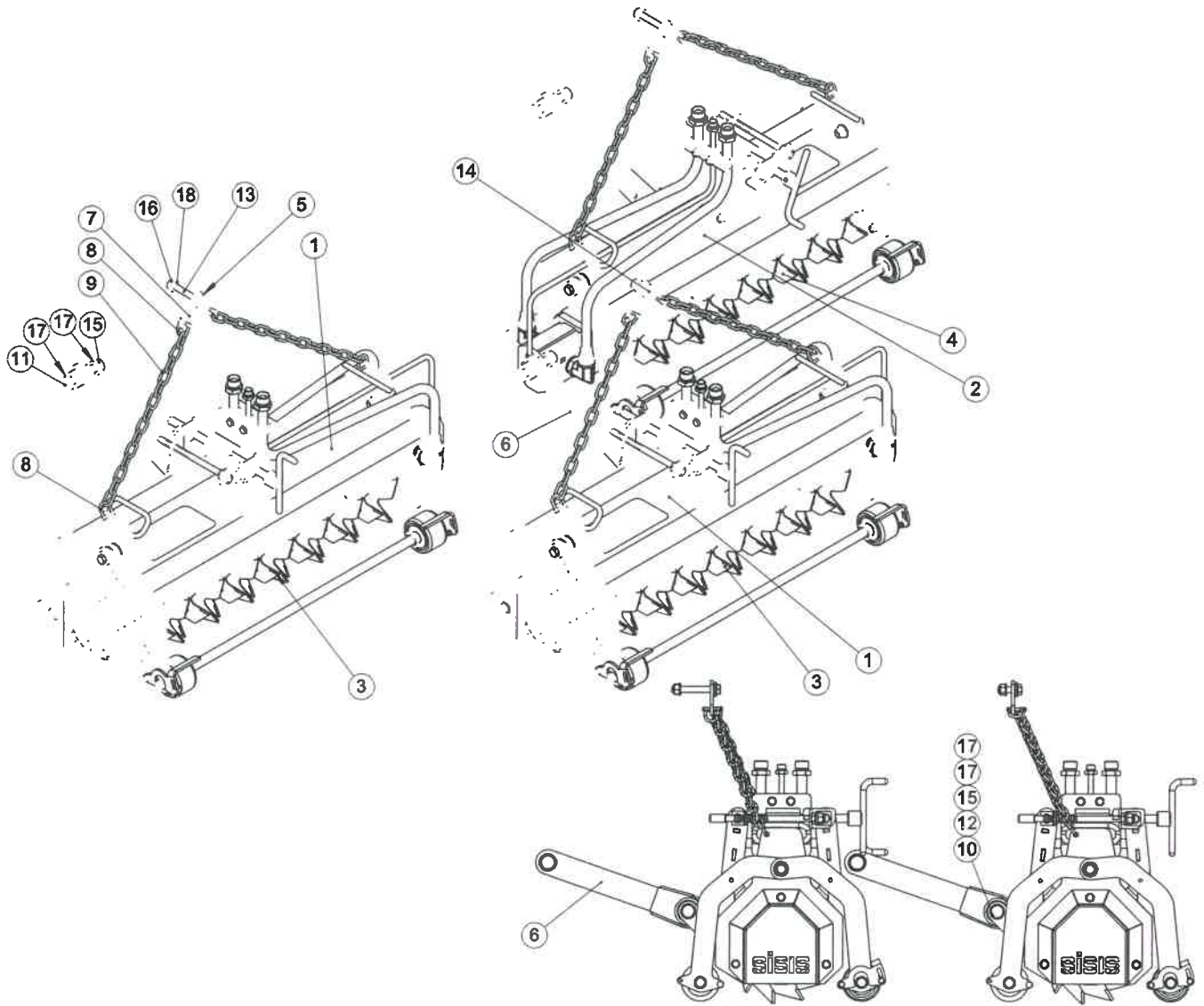
ITEM NO.	PART NUMBER	DESCRIPTION	
1	403300_REVO	TANK W.A. VEEMO	1
2	403315_REVO	TANK COVER GASKET	1
3	403350_REVO	TANK COVER	1
4	403352_REVO	ANGLE BRACKET FRONT	1
5	403353_REVO	ANGLE BRACKET SIDE	2
6	403354_REVO	REAR GUARD	1
7	F21477_REV1	OIL CAP	1
8	SP26016_REVO	HYDRAULIC RETURN FILTER	1
9	SP26018_REVO	SUCTION STRAINER FILTER	1
10	SP26020_REVO	SIGHT GLASS	1
11	D8468_REVO	PLUG 3/8" BSP	1
12	D8227_REV1	DOWTY SEAL 3/8" BSP	1
13	E1-1132_REVO	HEX BOLT M10 X 70	8
14	SP01105_REVO	HEX SET SCREW M10 X 30	3
15	SP01062_REVO	BUTTON HEAD M10 X 20	6
16	SP01034_REVO	HEX SET SCREW M10 X 20	11
17	SP01028_REVO	HEX SET SCREW M6 X 20	12
18	SP02008_REVO	NUT M10 NYLOC (T)	19
19	SP03011_REVO	WASHER M10 FORM A	47
20	SP03010_REVO	WASHER M6 FORM A	12
21	SP03034_REVO	WASHER M10 SPRING	9
22	E1-1061_REVO	WASHER M6 SPRING	12
23	SP02042_REVO	RIVNUT HEX M6 (0.5-3.0) [NO HEAD]	12
24	SP02041_REVO	RIVNUT HEX M5 (0.5-3.0) [NO HEAD]	6



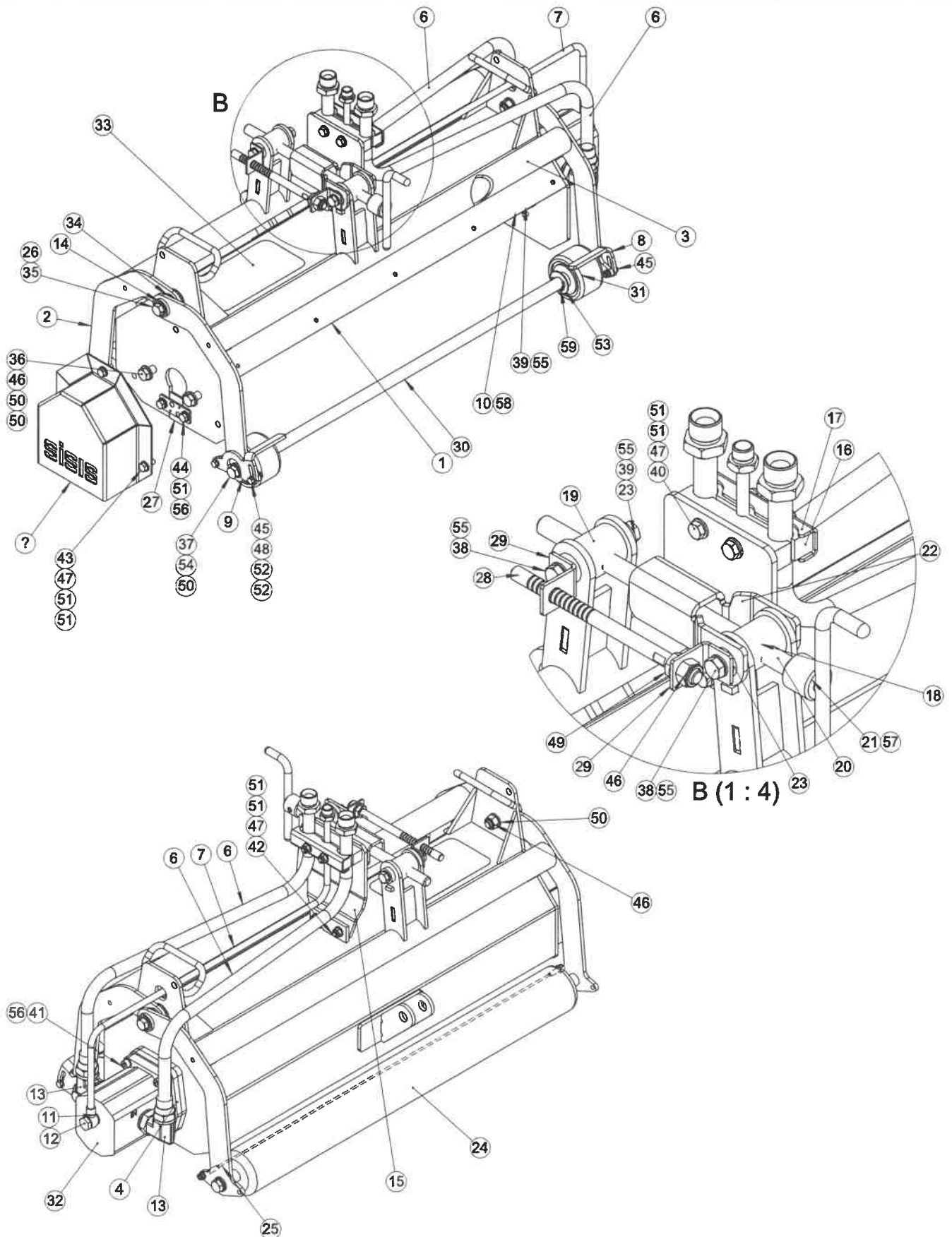
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F36490_REV1	WHEEL FRAME	2
2	F36097_REV2	WHEEL AXLE	2
3	403508_REVO	60mm WIDE WHEEL FRAME ASSY	1
4	F21940_REVO	WHEEL , TYRE & HUB CAP	2
5	SP09006_REVO	NYLON WHEEL, 200mm DIA	1
6	F36537_REV1	COLLAR	2
7	F21852_REVO	BUSH AF2532 - 30	4
8	F20274_REV1	PIN LINCH DIA 10.8	1
9	D1947_REV1	GREASE NIPPLE M6	2
10	SP01173_REVO	HEX BOLT M20 X 110	1
11	E1-1150_REVO	HEX SET SCREW M12 X 90	1
12	E1-1119_REVO	HEX SET SCREW M10 X 35	4
13	SP01113_REVO	HEX SET SCREW M8 X 45	2
14	E1-1634_REV1	NUT M20 NYLOC (T)	1
15	SP02010_REVO	NUT M12 NYLOC (T)	1
16	SP02006_REVO	NUT M8 NYLOC (T)	2
17	SP03022_REVO	WASHER M20 FORM A	4
18	SP03012_REVO	WASHER M12 FORM A	2
19	SP03011_REVO	WASHER M10 FORM A	4
20	SP03034_REVO	WASHER M10 SPRING LOCK	4



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	403385_REV1	HYD GEARBOX / PUMP ASSY	1
2	SP26015_REV0	RADIATOR	2
3	403351_REV0	RADIATOR COVER	2
4	403356_REV0	PTO GUARD LH	1
5	403355_REV0	PTO GUARD RH	1
6	SP23010_REV0	SPACER 40mm OD20 ID9	8
7	SP01078_REV0	HEX SET SCREW M12 X 40	4
8	D1797_REV0	HEX SET SCREW M10 X 16	4
9	E1-1112_REV0	HEX BOLT M8 X 60	8
10	SP02006_REV0	NUT M8 NYLOC (T)	8
11	SP03012_REV0	WASHER M12 FORM A	4
12	SP03011_REV0	WASHER M10 FORM A	4
13	SP03008_REV0	WASHER M8 FORM A	16
14	SP03034_REV0	WASHER M10 SPRING LOCK	8
15	SP11112_REV0	PTO ADAPTER M/M 1 3/8" x 150mm	1

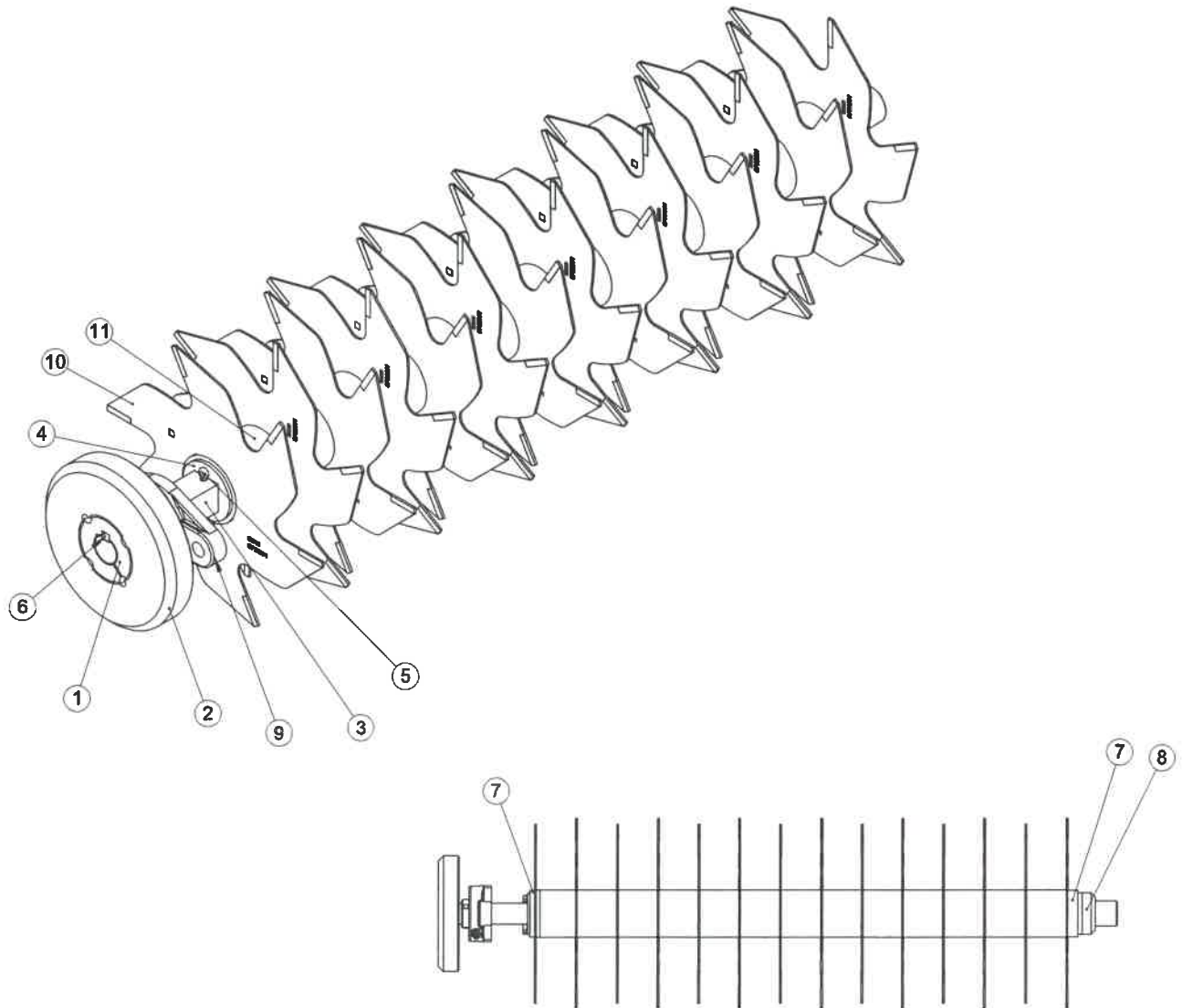


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	800553_REVO	VEEMO HD LH HEAD	2
2	800554_REVO	VEEMO HD RH HEAD	1
3	FS1288_REVO	VEEMO 6 TIP HD REEL LH	2
4	FS1289_REVO	VEEMO 6 TIP HD REEL RH	1
5	D6650_REV1	STANDARD FERRULE	3
6	F32103_REV1	BALL END LINK	3
7	F36719_REV1	CHAIN SWIVEL	3
8	F20995_REV1	D SHACKLE	12
9	403222_REVO	LIFTING CHAIN	6
10	F32708_REV1	SPACER	3
11	SP01108_REVO	HEX BOLT M16 X 90	3
12	E1-1578_REVO	HEX BOLT M16 X 70	3
13	E1-1150_REVO	HEX SET SCREW M12 X 90	2
14	SP01078_REVO	HEX SET SCREW M12 X 40	1
15	SP02028_REVO	NUT M16 NYLOC (T)	6
16	SP02010_REVO	NUT M12 NYLOC (T)	3
17	E1-1080_REVO	WASHER M16 FORM A	12
18	SP03012_REVO	WASHER M12 FORM A	3



800553 LH VERSION HEAD VERSION SHOWN.
 FOR 800554 RH VERSION REPLACE PART F36451 WITH F36452.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F36451_REV6	L.H. UNIT ASSY	1
2	F36455_REV1	FRONT ROLLER FRAME	1
3	F36456_REV1	REAR ROLLER FRAME	1
4	403154_REVO	MOTOR SPACER	1
5	403318_REVO	FLYWHEEL GUARD	1
6	403343_REVO	HEAD PIPE ASSY	2
7	403345_REVO	HEAD MOTOR RETURN ASSY	1
8	403505_REVO	VEEMO RH ROLLER SCRAPER	1
9	403506_REVO	VEEMO LH ROLLER SCRAPER	1
10	D1921_REV1	BEARING BPFL6-30	1
11	D8492_REV1	WASHER BONDED 1/4INCHES BSP	2
12	F21513_REV1	BANJO BOLT 1/4" BSP	1
13	F21941_REV1	POS. ELBOW 3/4"X3/4" BSP M/M 90	2
14	F21969_REVO	BUSH AM2025 - 15	4
15	F36453_REV1	PIPE SUPPORT	1
16	F36454-1_REVO	PIPE CLAMP BLOCK	0.08
17	F36454-2_REVO	PIPE CLAMP PLATE	1
18	F36457_REV1	ADJUSTER SWIVEL RH THREAD	1
19	F36458_REV1	ADJUSTER SWIVEL LH THREAD	1
20	F36459_REV2	ADJUSTER	1
21	F36460_REV1	HANDLE ASSY	1
22	F36461_REV2	ADJUSTER LOCK	1
23	F36462_REV1	FERRULE	4
24	F36463_REV1	ROLLER	1
25	F36465_REV1	ROLLER SCRAPER	1
26	F36468_REV1	ROLLER PIVOT	2
27	F36535_REV1	INFILL 1	1
28	F36880_REV1	DEPTH GAUGE	1
29	F36881_REV1	MOUNTING ANGLE	2
30	F37388_REV1	SHAFT	1
31	F37389_REV1	ROLLER	2
32	SP26048_REVO	HYDRAULIC MOTOR	1
33	HU60069_REV1	LABEL CAUTION	1
34	E1-1081_REVO	WASHER M20 FORM B	4
35	E1-1160_REVO	HEX BOLT M12 X 60	2
36	SP01078_REVO	HEX SET SCREW M12 X 40	2
37	SP01065_REVO	HEX SET SCREW M12 X 30	4
38	SP01105_REVO	HEX SET SCREW M10 X 30	2
39	SP01035_REVO	HEX SET SCREW M10 X 25	4
40	E1-1114_REVO	HEX BOLT M8 X 65	2
41	F21939_REVO	CAP HEAD M8 X 50	4
42	SP01045_REVO	HEX SET SCREW M8 X 25	2
43	SP01009_REVO	HEX SET SCREW M8 X 20	3
44	SP01076_REVO	HEX SET SCREW M8 X 16	2
45	SP01028_REVO	HEX SET SCREW M6 X 20	4
46	SP02010_REVO	NUT M12 NYLOC (T)	5
47	SP02006_REVO	NUT M8 NYLOC (T)	7
48	SP02004_REVO	NUT M6 NYLOC	5
49	SP02014_REVO	NUT M12 LOCK (THIN)	1
50	SP03012_REVO	WASHER M12 FORM A	11
51	SP03008_REVO	WASHER M8 FORM A	16
52	SP03010_REVO	WASHER M6 FORM A	9
53	D1081_REVO	WASHER 3/4" TABLE 3 LIGHT	2
54	E1-1065_REVO	WASHER M12 SPRING LOCK	4
55	SP03034_REVO	WASHER M10 SPRING LOCK	6
56	SP03029_REVO	WASHER M8 SPRING LOCK	6
57	D1974_REVO	GRUBSCREW M10 X 10 KNURLED POINT	1
58	D1989_REVO	GRUB SCREW M6 X 10	2
59	F21970_REVO	SPLIT PIN M4 X 32	2



FS1288 LH VERSION HEAD VERSION SHOWN.
 FS1289 RH VERSION BLADES FITTED IN OPPOSITE DIRECTION.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	228003_REV1	TAPERED BUSH 1610 - 25MM	1
2	229015_REV1	FLYWHEEL	1
3	403500_REV0	VEEMO HD TINE SHAFT ASSY	1
4	D3051_REV2	SQUARE WASHER	1
5	D5622_REV0	SPLIT PIN DIA5 x 50	1
6	F20684_REV0	KEY PARALLEL 8 X 7 X 25	1
7	F36235_REV1	RUBBER TINE SPACER	2
8	F37069_REV1	SPACER	1
9	SP06023_REV0	BEARING SFT25 (RHP) INC P25 COVER	1
10	SP22001_REV0	TINE 6 BLADE 2MM TIPPED (VEEMO)	14
11	SP23011_REV0	TINE RUBBER SPACER	13



sisis®

SISIS, Ashbourne Road, Kirk Langley, Derbyshire, DE6 4NJ, England

Tel: +44 (0) 1332 824 777
Fax: +44 (0) 1332 824 525

Email: info@sisis.com

www.sisis.com