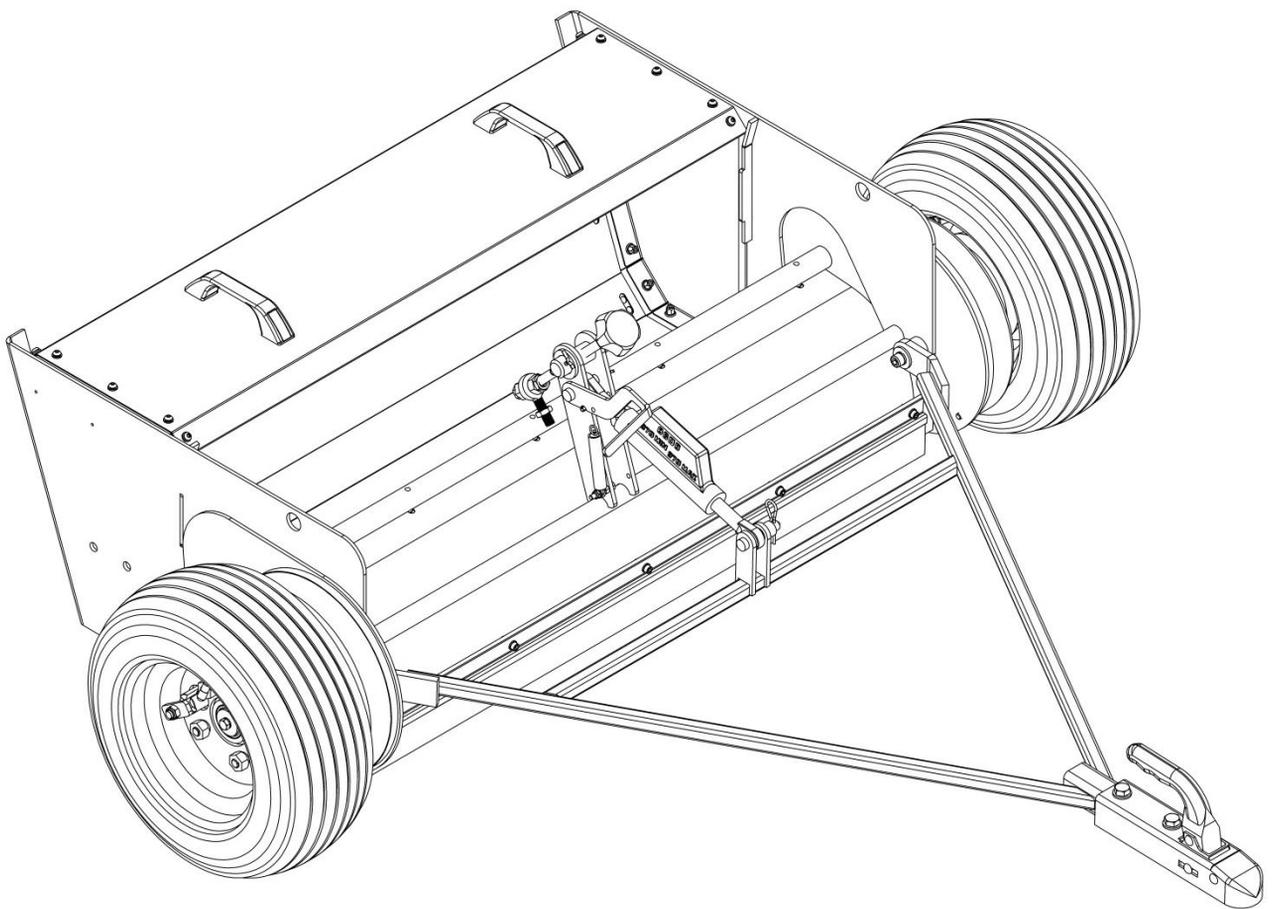


sisis®

SSS1000 INSTRUCTION MANUAL



CERTIFICATE OF CONFORMITY

SSS1000 CN Code: 96035000

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

I the under signed Declare that these machines:-

Model: SSS1000

Tested at:- Howardson Works test site AUGUST 2013

Complies with the applicable requirements of:-
- Machine Directive 2006/42/EC

Managing Director



Ian Howard

SERIAL NUMBERS



NOTE:-

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

MACHINE SERIAL NUMBER

ENGINE SERIAL NUMBER

INTRODUCTION

The reliability and quality of performance of the **SISIS SSS1000** 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 when making enquiries.

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

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TECHNICAL DATA

MODEL	SSS1000
WIDTH (mm)	1560
LENGTH (mm)	870
HEIGHT (mm)	390
HEIGHT (Tow bar raised for storage) (mm)	1300
WEIGHT (Kg)	112
WORKING WIDTH (mm)	1000
LENGTH (Including drawbar)	1800
HOPPER CAPACITY (m ³)	0.11

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 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.



CAUTION – Please read these operating instructions carefully before commencing work.

We want you to obtain the best performance from this machine. If you have any difficulties in carrying out the following instructions please contact SISIS direct or your local SISIS territory manager or SISIS dealer.

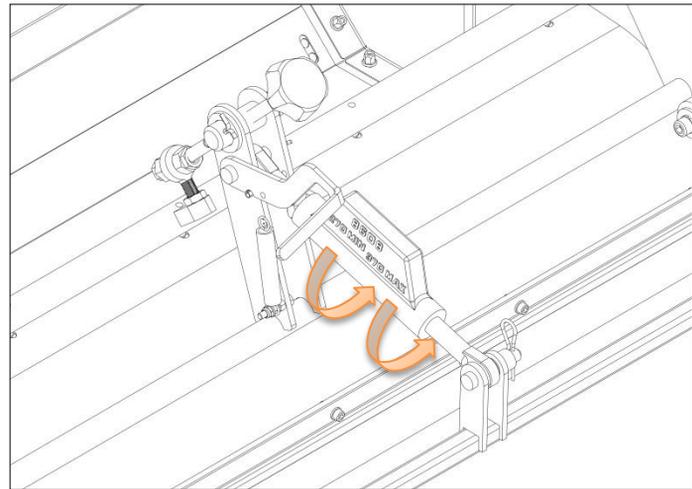
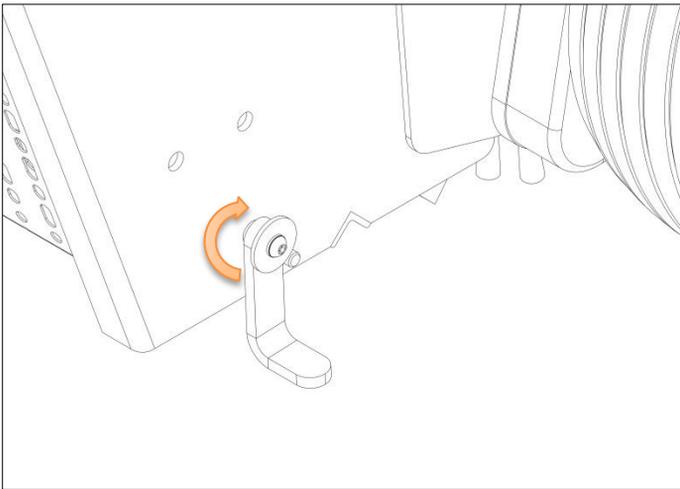
OPERATING PRINCIPLE

The SISIS Synthetic Surface Sweeper is designed to pick up surface debris whilst lifting the pile and separating the sand/rubber crumb infill material.

The sweeper may also be used with the hopper removed to stand the pile up and redistribute the surface infill material.

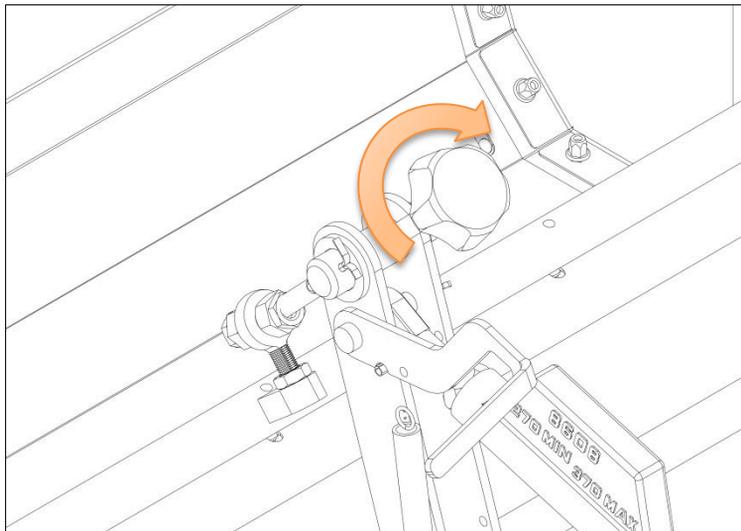
ATTACHMENT

The Sweeper is attached to the towing vehicle by the ball hitch or a jaw or pin hitch. The top link is then adjusted to suit the height of the drawbar and to keep the sweeper parallel to the ground.



When disconnecting from the vehicle always ensure that the rear stand is down. This keeps the brush bristles clear of the surface to avoid the bristles being deformed.

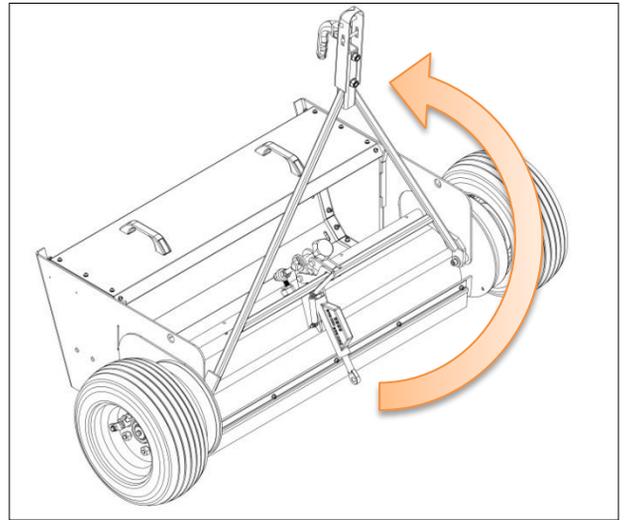
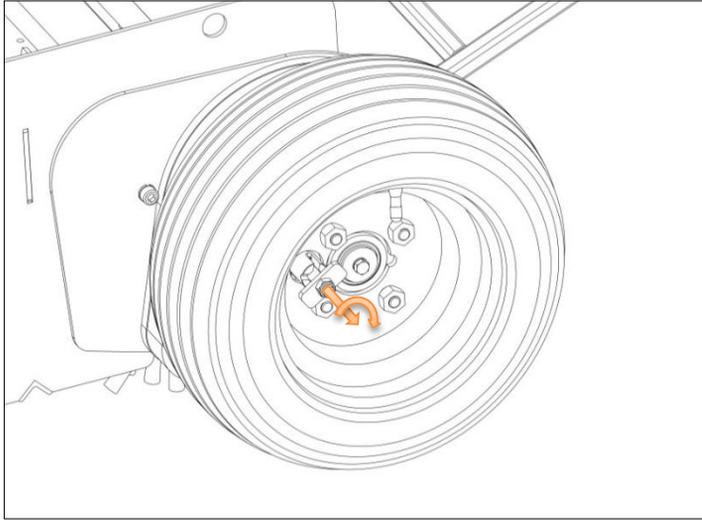
The brush height is then adjusted with the hand wheel (see below) to suit the pile or surface. It is not advisable to set the brush bristles hard onto the surface as this will cause premature wear of the bristles.



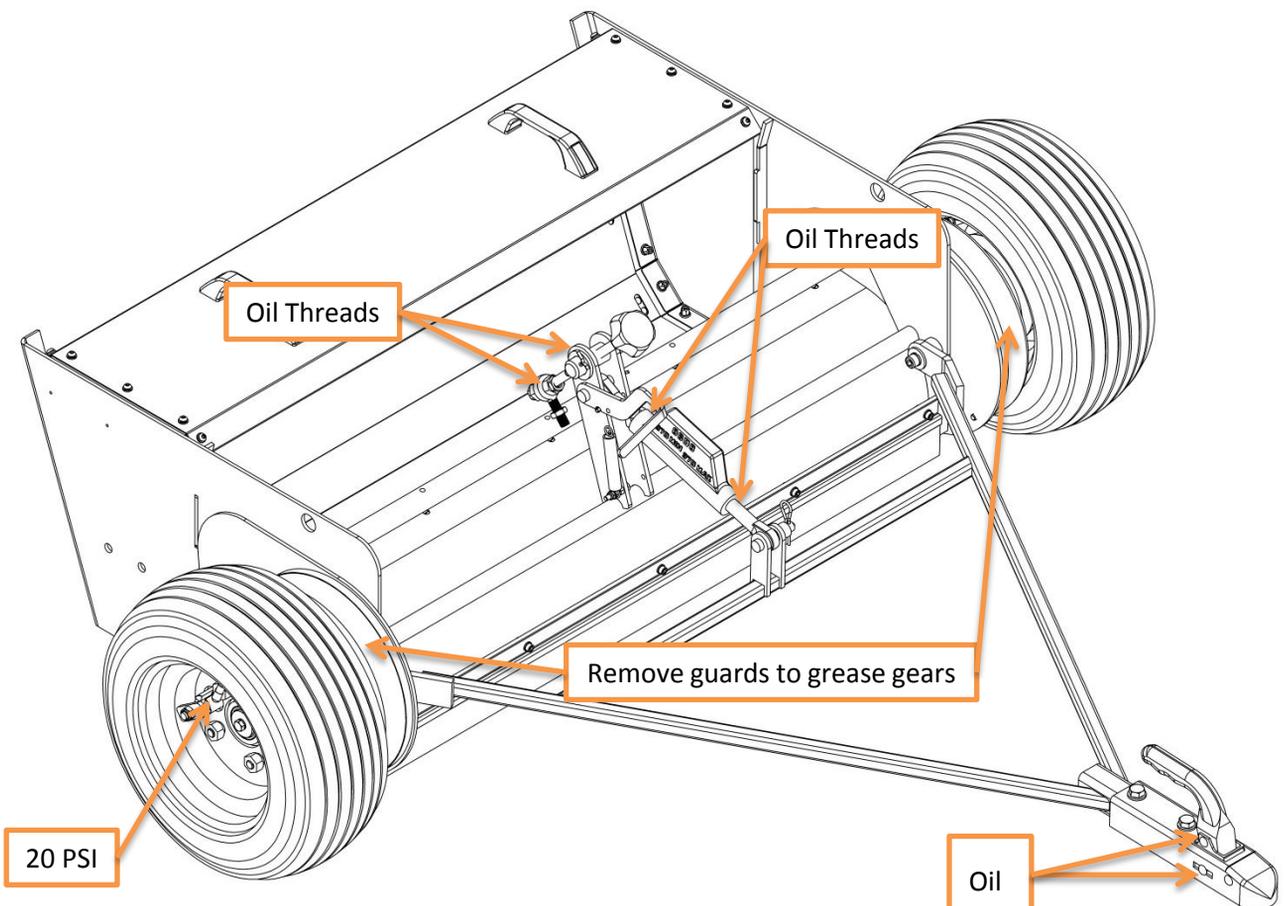
OPERATING INSTRUCTIONS

If the machine is being moved between sites it is advised that the brush is taken out of drive. This is done by disconnecting the clutch drives on each wheel (Below left). Always remember to put the clutches back into drive before starting work.

When storing after work the front drawbar may be lifted and locked into an upright position to save space. (Below right)

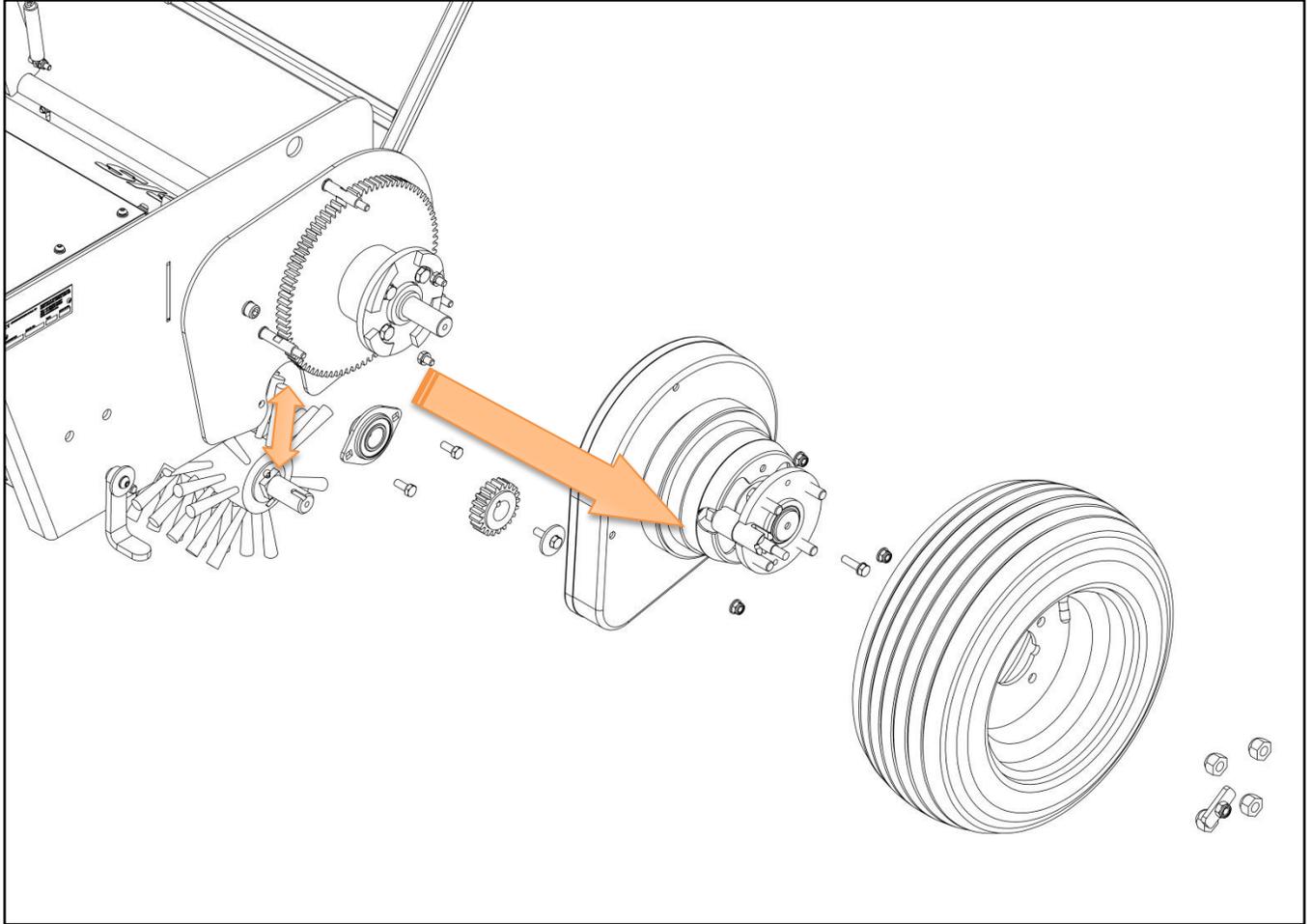


MAINTENANCE and LUBRICATION

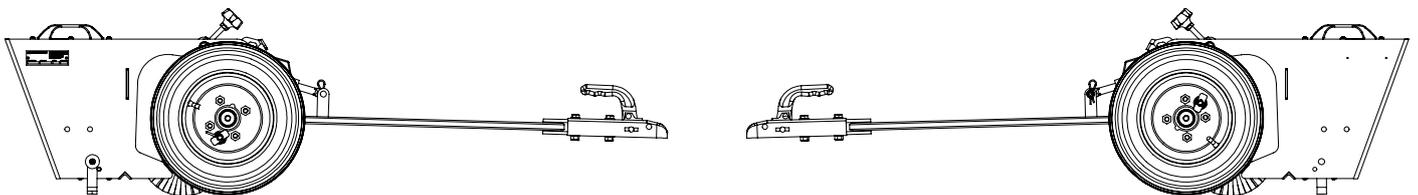
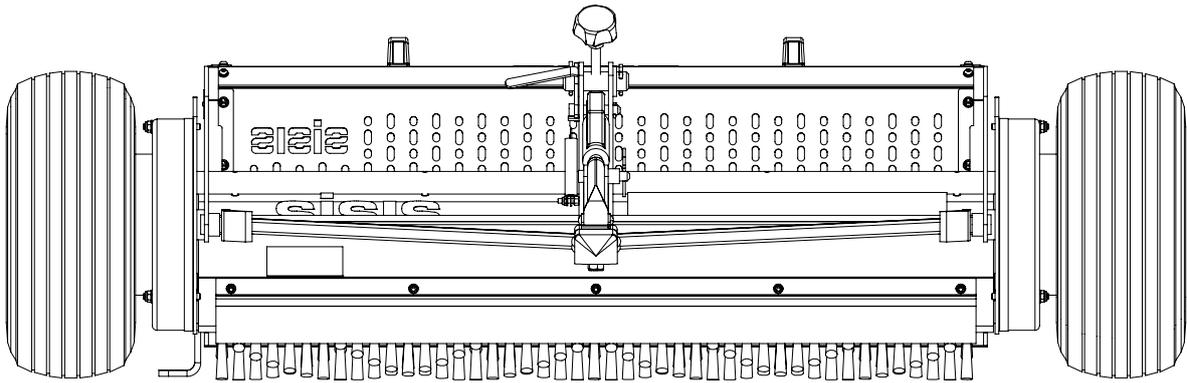
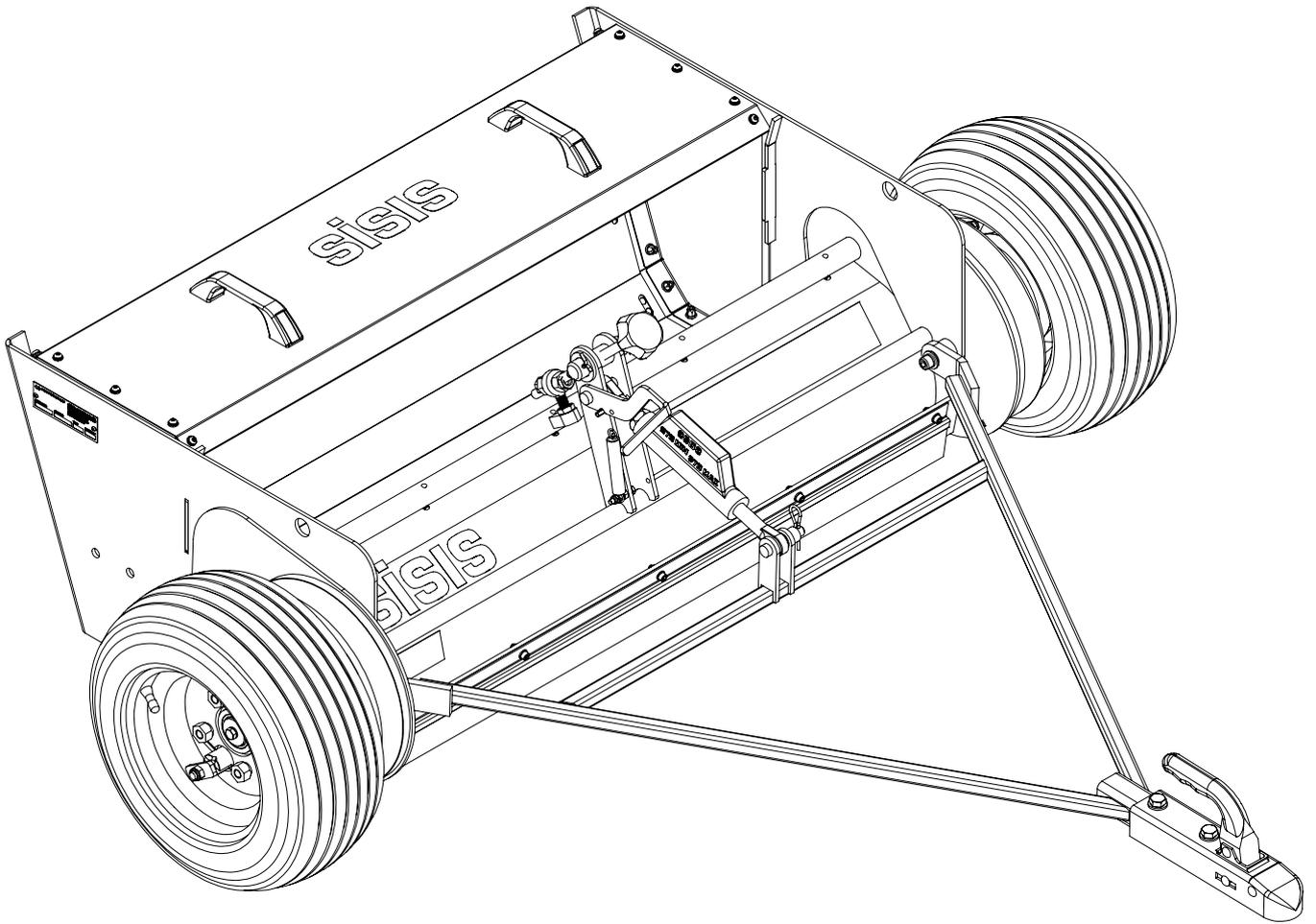


REPLACING THE BRUSH

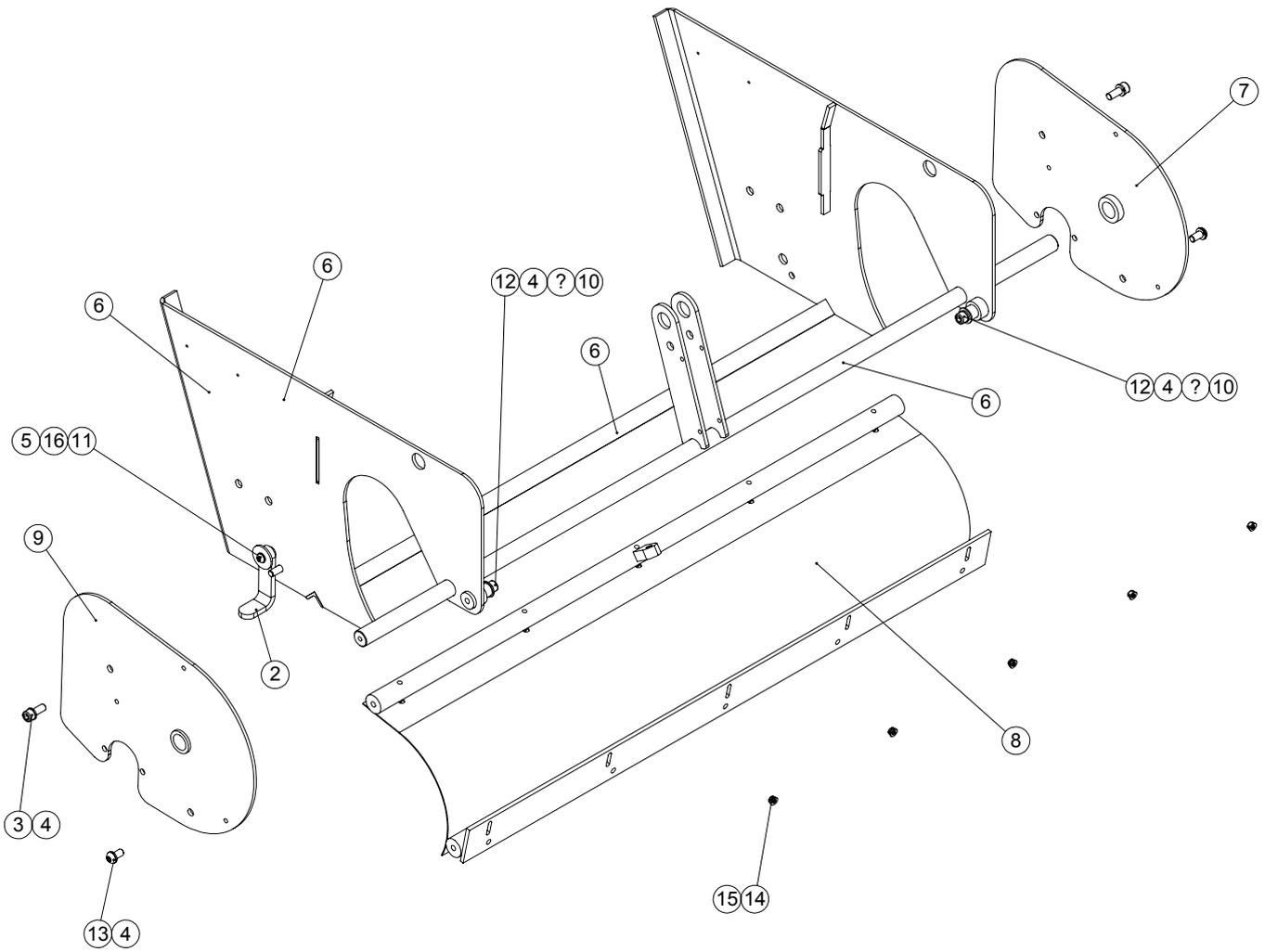
- 1.) Remove bolt from centre hub on each end and withdraw wheel and assembly.
- 2.) Remove, 3 off, dome nut from plastic cover and withdraw cover from each side.
- 3.) Undo bolts on brush shaft bearings and remove brush shaft assembly.
- 4.) Remove gear from one end of the shaft. Remove brush ensuring bristles are correct rotation.
- 5.) Reverse above to re-assemble.



SSS1000 - PARTS LIST

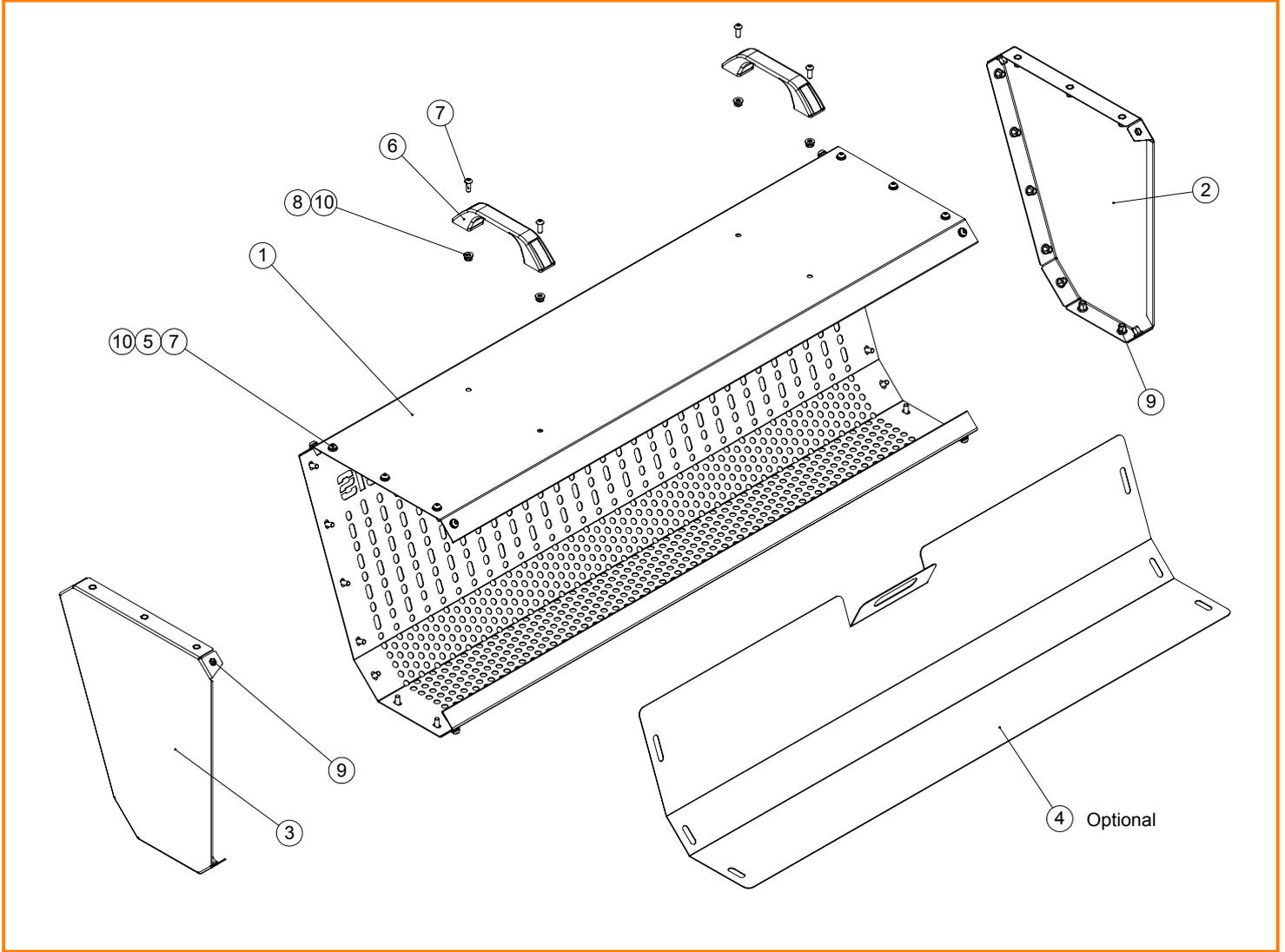


CHASSIS



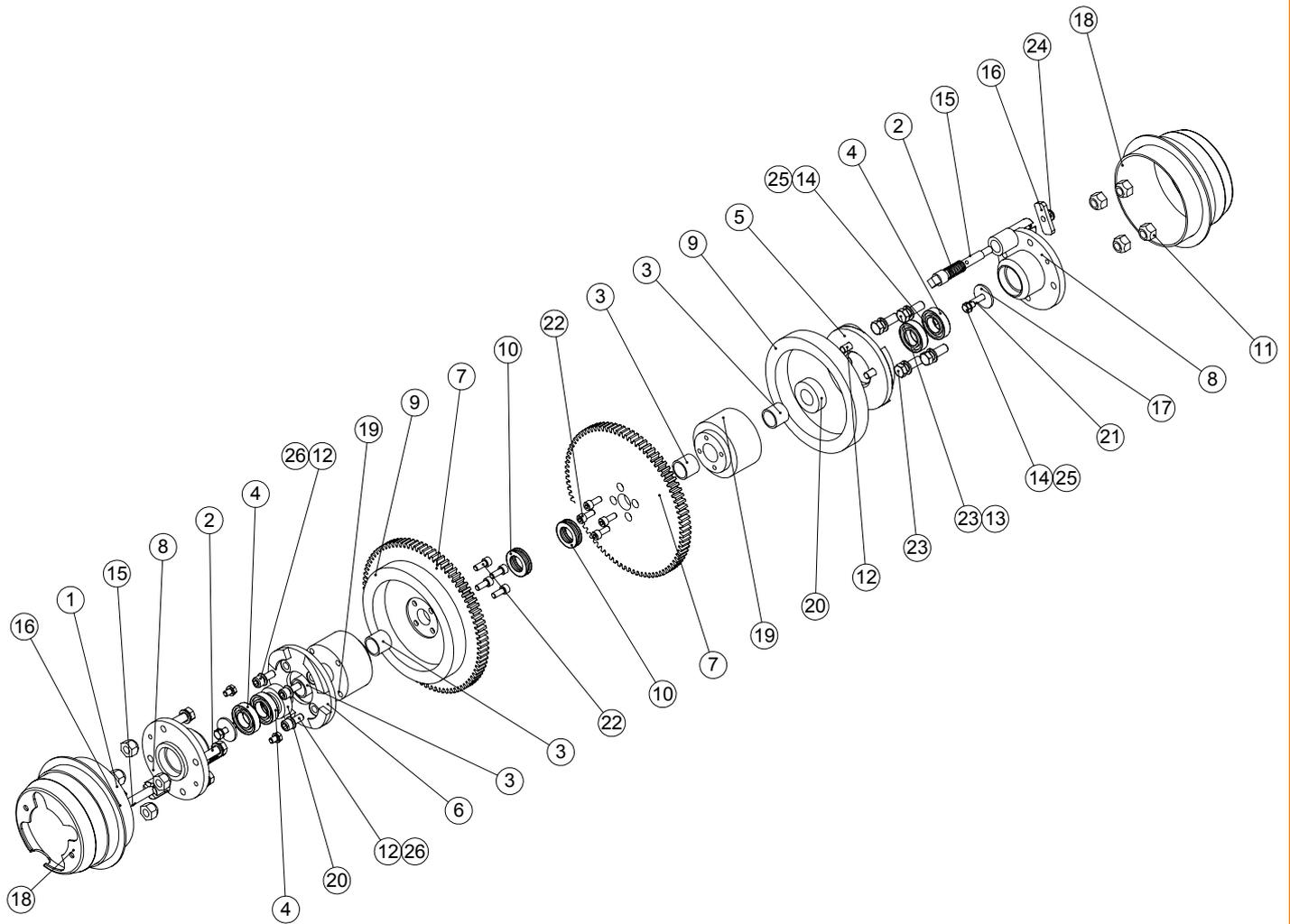
ITEM NO.	PART NUMBER	DESCRIPTION	CHASSIS/QTY.
1	SP03016_REV0	WASHER M10 FORM C	2
2	400334_REV0	STAND	1
3	D8757_REV0	CAP HEAD M10 X 25	2
4	E1-1063_REV0	M10 SPRING WASHER	6
5	F35835_REV2	WASHER	1
6	F37030_REV8	INNER FRAME	1
7	F37031_REV4	RH OUTER FRAME SIDE PLATE	1
8	F37032_REV4	CURVED FRAME	1
9	F37131_REV3	LH OUTER FRAME SIDE PLATE	1
10	F37132_REV2	SPACER	2
11	SP01012_REV0	BUTTON HEAD M8 X 12	1
12	SP01052_REV0	CAP HEAD M10 X 35	2
13	SP01062_REV0	BUTTON HEAD M10 X 20	2
14	SP02004_REV0	NUT M6 NYLOC	5
15	SP03010_REV0	WASHER M6 FORM A	5
16	SP03029_REV0	WASHER M8 SPRING LOCK	1

HOPPER



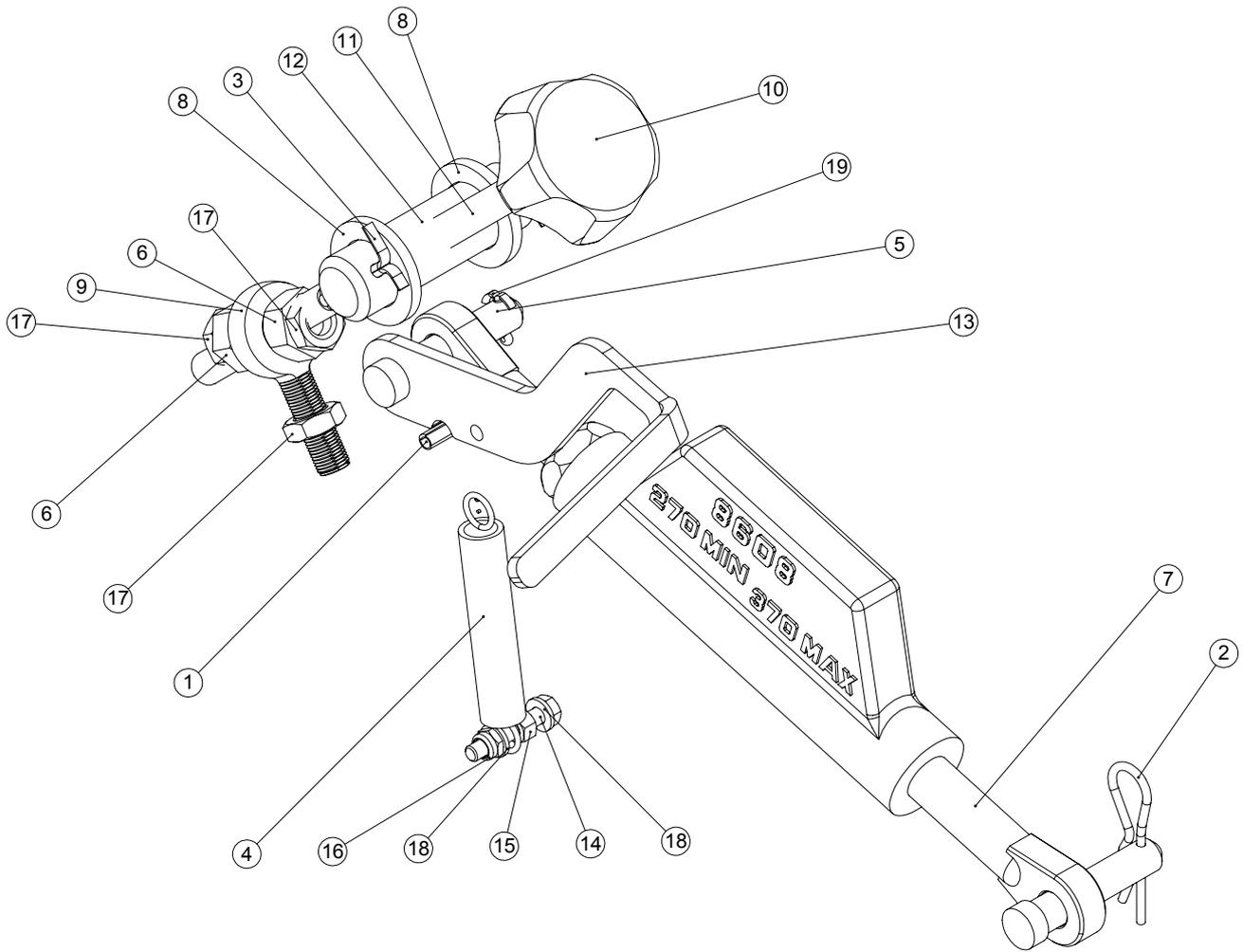
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	401931_REV0	HOPPER BODY	1
2	401932_REV0	HOPPER END L.H.	1
3	401933_REV0	HOPPER END R.H.	1
4	401997_REV0	BLANKING PLATE	1
5	E1-1061_REV0	WASHER M6 SPRING	26
6	F20491_REV0	HANDLE	2
7	SP01019_REV0	BUTTON HEAD M6 X 16	30
8	SP02004_REV0	NUT M6 NYLOC	4
9	SP02042_REV0	RIVNUT HEX M6 (0.5-3.0) [NO HEAD]	26
10	SP03010_REV0	WASHER M6 FORM A	30

HUB ASSEMBLY



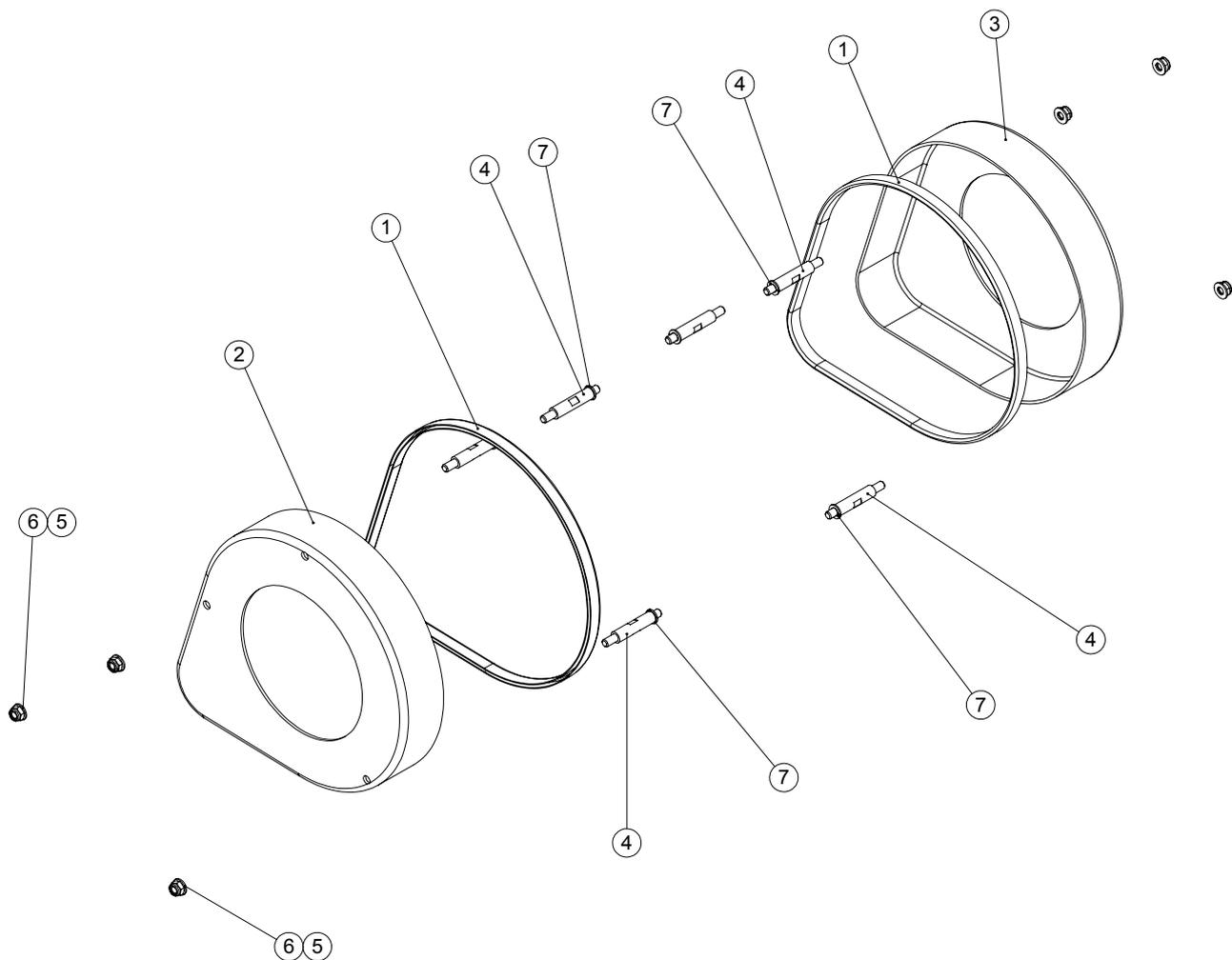
ITEM NO.	PART NUMBER	DESCRIPTION	MECHANISUM/QTY.
1	D1398_REV0	SEL-LOC PIN 3/16" X 1"	2
2	D1800_REV0	SPRING 3/4" OD X 1 1/2" LONG	2
3	229636_REV0	BUSH AM2530 - 25	4
4	J209040_REV1	BEARING 6005-2RS	4
5	D7044_REV0	LH RATCHET	1
6	D7045_REV0	RH RATCHET	1
7	D7319_REV5	84T GEAR WHEEL	2
8	D7340_REV10	WHEEL HUB	2
9	D7343_REV5	FELT RING	2
10	D8047_REV0	BEARING 51105 (THRUST)	2
11	D8360_REV1	WHEEL NUT M12	8
12	D8757_REV0	CAP HEAD M10 X 25	8
13	E1-1065_REV0	SPRING WASHER M12 SQUARE SECTION	8
14	E1-1671_REV0	SET SCREW M8 X 12	4
15	E1-5222_REV0	DRIVE PIN	2
16	E1-5223_REV1	DRIVE PIN LEVER	2
17	F35835_REV2	WASHER	2
18	F37080_REV2	RATCHET COVER	2
19	F37350_REV2	WHEEL HUB	2
20	F37937_REV3	SPACER	2
21	SP01005_REV0	HEX SET SCREW M8 X 30	2
22	SP01049_REV0	CAP HEAD M8 X 20	8
23	SP01111_REV0	HEX SET SCREW M12 X 35	8
24	SP02008_REV0	NUT M10 NYLOC (T)	2
25	SP03029_REV0	WASHER M8 SPRING LOCK	6
26	SP03034_REV0	WASHER M10 SPRING LOCK	8

HEIGHT ADJUSTMENT



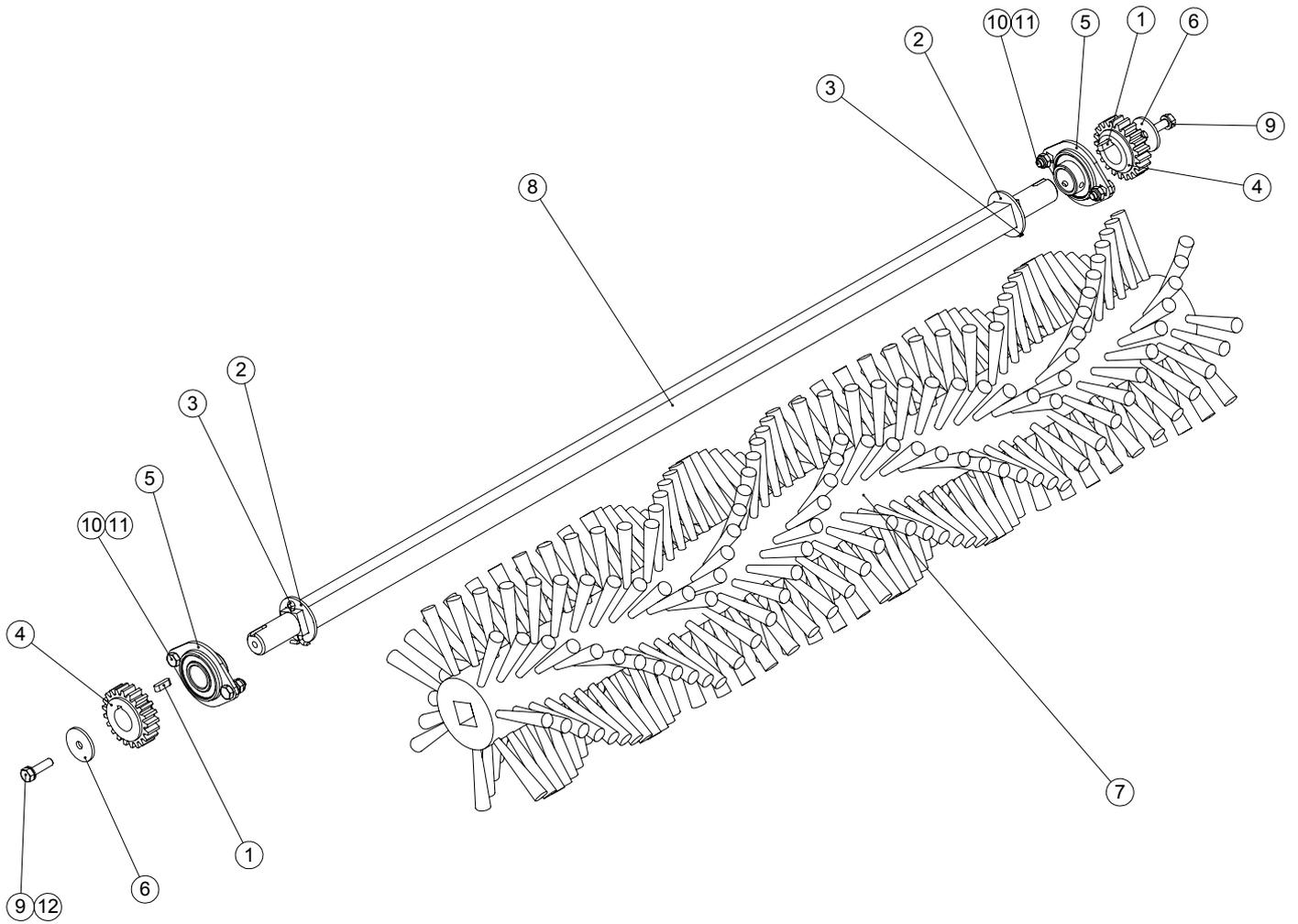
ITEM NO.	PART NUMBER	DESCRIPTION	HEIGHT ADJUSTMENT/QTY.
1	SP05020_REV0	PIN SPIROL M6 X 20	1
2	D1900_REV0	CLIP R (SPAREX REF S9)	1
3	D5622_REV0	SPLIT PIN DIA5 x 50	2
4	D8058_REV1	SPRING 5/8" X 4"	1
5	D8342_REV0	CLEVIS PIN	2
6	D8360_REV1	WHEEL NUT M12	2
7	D8608_REV0	TURNBUCKLE ASSEMBLY	1
8	E1-1084_REV0	25MM WASHER FORM A	2
9	F22121_REV0	ROD END GAR 12	1
10	F22135_REV0	PLASTIC KNOB	1
11	F37037_REV2	ADJUSTING BAR	1
12	F37039_REV2	ADJUSTER PIN	1
13	F37136_REV2	DRAWBAR LATCH	1
14	SP01054_REV0	HEX SET SCREW M6 X 35	1
15	SP02003_REV0	NUT M6 STD	1
16	SP02004_REV0	NUT M6 NYLOC	1
17	SP02014_REV0	NUT M12 LOCK (THIN)	4
18	SP03010_REV0	WASHER M6 FORM A	2
19	SP05010_REV0	SPLIT PIN 1/8" X 1"	1

GUARDS



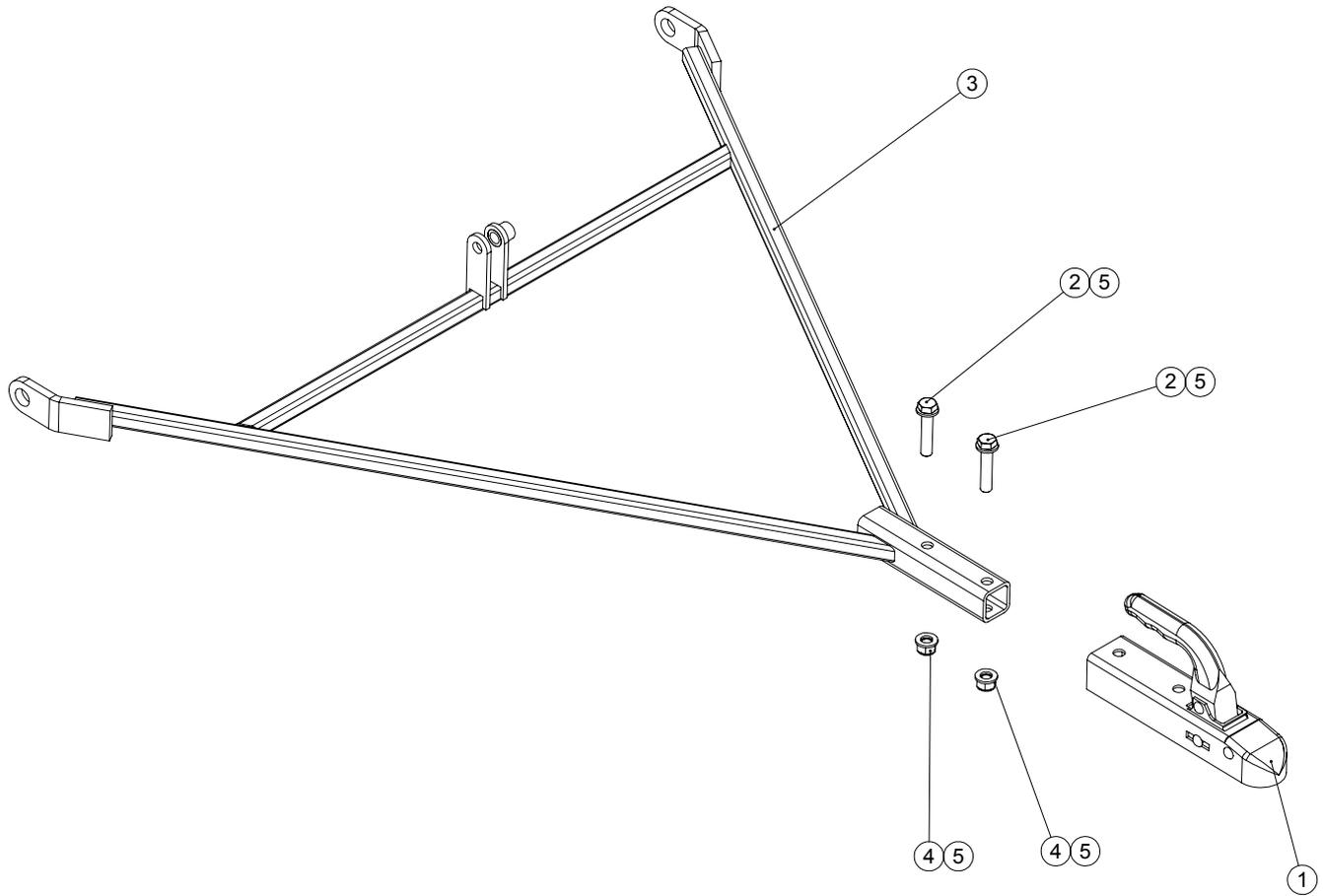
ITEM NO.	PART NUMBER	DESCRIPTION	GUARDS/QTY.
1	D3171_REV0	GUARD SEAL	2
2	F37033_REV3	L.H GUARD	1
3	F37034_REV3	RH GUARD	1
4	F37044_REV4	GUARD STUDS	6
5	SP02006_REV0	NUT M8 NYLOC (T)	6
6	SP03008_REV0	WASHER M8 FORM A	6
7	SP03029_REV0	WASHER M8 SPRING LOCK	6

BRUSH



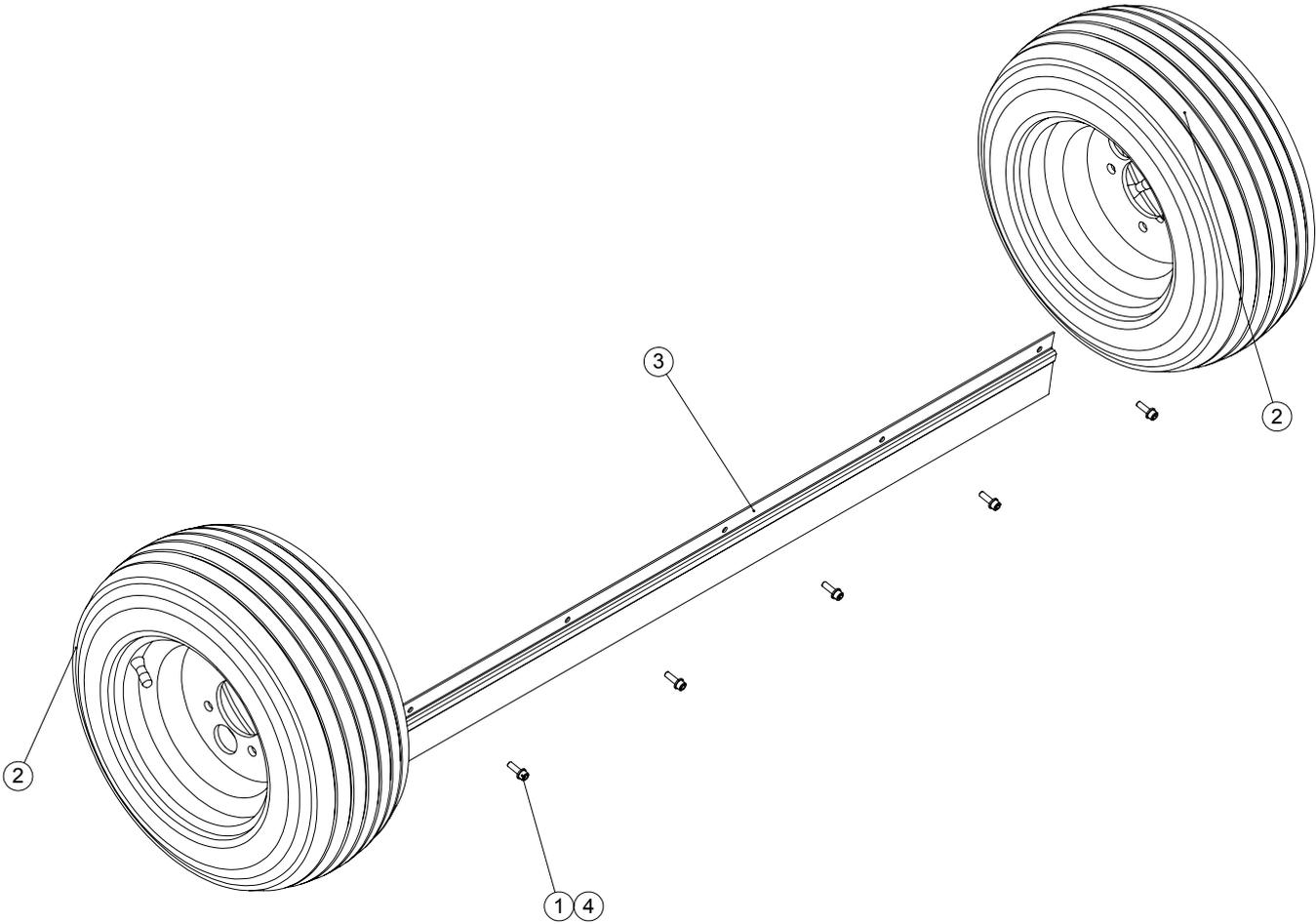
ITEM NO.	PART NUMBER	DESCRIPTION	BRUSH/QTY.
1	BA1014_REV0	KEY 6 X 6 X 20 RD END	2
2	D3051_REV2	SQUARE WASHER	2
3	D5622_REV0	SPLIT PIN DIA5 x 50	2
4	D7338_REV6	21T x 9 D.P GEAR PINION	2
5	D8032_REV0	BEARING BPFL5-25	2
6	F35835_REV2	WASHER	2
7	F37038_REV5	DOUBLE HELICAL BRUSH (SSS1000)	1
8	F37043_REV3	BRUSH SHAFT	1
9	SP01005_REV0	HEX SET SCREW M8 X 30	2
10	SP01009_REV0	HEX SET SCREW M8 X 20	4
11	SP02006_REV0	NUT M8 NYLOC (T)	4
12	SP03029_REV0	WASHER M8 SPRING LOCK	2

TOWING SYSTEM



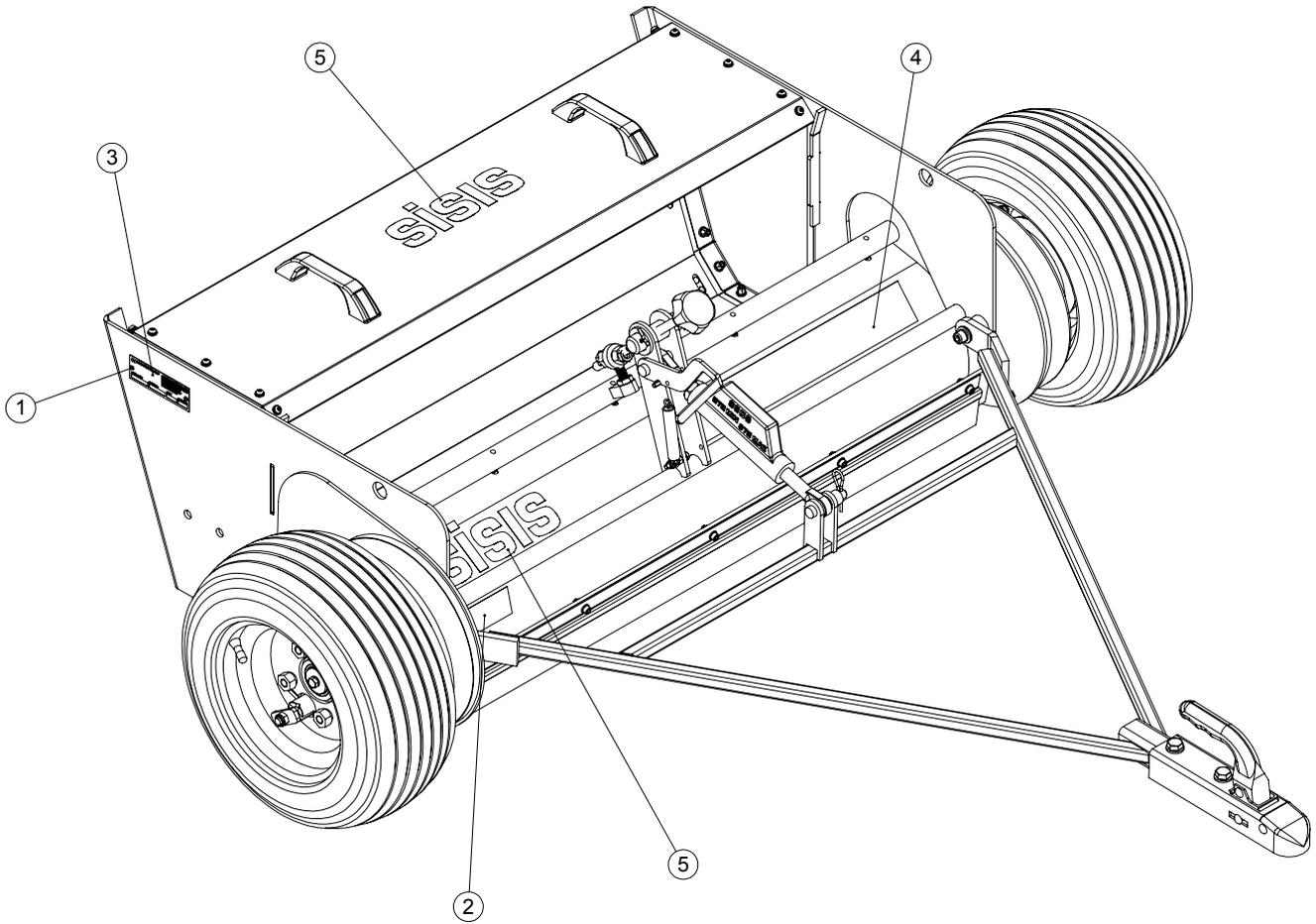
ITEM NO.	PART NUMBER	DESCRIPTION	TOW/QTY.
1	210772_REV0	DRAWBAR COUPLING 50MM BALL	1
2	E1-1161_REV0	HEX SET SCREW M12 X 60	2
3	F37040_REV4	DRAW BAR	1
4	SP02010_REV0	NUT M12 NYLOC (T)	2
5	SP03012_REV0	WASHER M12 FORM A	4

WHEELS + STRAIGHT BRUSH



ITEM NO.	PART NUMBER	DESCRIPTION	STRAIGHT BRUSH/QTY.
1	F20096_REV0	CAP HEAD M6 X 20	5
2	F37024_REV0	WHEEL MODIFICATIONS	2
3	F37036_REV6	BACK BRUSH	1
4	SP03010_REV0	WASHER M6 FORM A	5

DECALS



ITEM NO.	PART NUMBER	DESCRIPTION	DECALS/QTY.
1	D1871_REV1	RIVET 3.2 X 6	2
2	D4121_REV1	TRANSFER WARNING	1
3	F36000_REV2	SERIAL NO PLATE (SISIS)	1
4	F37046_REV1	LABEL S.S.S. 1000	1
5	SP18007_REV0	DECAL SISIS BLACK	2



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