

IRON BALTIC

SKI TRACK MAKER

TRACKER 230

Code 47.0000

Version 15012024



Keep this manual for future reference!

If you need any spare parts, please send this packaging data to your local dealer or to Iron Baltic
sales@ironbaltic.com

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USER MANUAL



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Iron Baltic OÜ



EC DECLARATION OF CONFORMITY

Manufactured by: Iron Baltic OÜ
Address: Põldmäe tee 1, Vatsla 76915
Product: **Ski Tracker Maker**
Type: **Tracker 230**
Model: **47.0000**

Hereby we confirm that this product is in conformity with the requirements of Directive **2006/42/EC**, applicable to the safety and functionality of machinery, regarding the replaceable equipment and it is in compliance with the standard **EN12100** Safety of machinery – General principles for design – Risk assessment and risk reduction.

In witness whereof CE marking is attached to the product.

Place and date of issue of the declaration: 01.09.2019

A handwritten signature in black ink, appearing to be 'Tiit Norak', written over a dotted line.

.....
Tiit Norak
Member of the Board

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INTRODUCTION

Thank you for choosing Iron Baltic product. This manual contains the technical details of the ski track maker Tracker 230 and instructions how to assemble, operate and maintain the product safely. Unnecessary use of the product can result economic damage and personal injury, so it is very important that the person who using the product read and use this manual in accordance with the requirements. Any misuse of the product will release the manufacturer from liability for any damage or expense incurred.

NOTE: Photos and drawings in this manual may not necessarily depict the actual models of products or their accessories. They are merely given as a frame of reference and are based on the latest available information at the time of publication.



This symbol is used throughout the manual and on warning signs in order to warn users of the potential for serious injury. Before using the vehicle and ski track maker, carefully read the safety instructions and make sure that you have understood them. Follow all instructions and ensure that everyone who uses the equipment follows them!

Keep this manual for future reference.

Based on the specifications for your model, please check that you have received all of the parts for your particular set

SAFETY INSTRUCTIONS

Most accidents occur due to negligence or carelessness. Avoid unnecessary accidents and follow the safety instructions given below.

TRAINING

1. Read thoroughly the safety instructions and terms of use.
2. Never allow children to operate the vehicle or ski track maker. Never allow adult persons to operate the vehicle or the product if they have not received the proper training
3. Neither the vehicle nor the ski track maker can be used while drunk or under the influence of drugs that affect perception or reaction.
4. Do not allow bystanders, children or animals into the work zone.



PROHIBITED ACTIONS

- Never operate the ski track maker on steep slopes.
- Never operate the ski track maker without all the protective parts properly installed.
- Do not operate the ski track maker before you have carefully read the whole operation manual.
- Never drive faster than 10km/h, or what the vehicle manufacturer recommends (the lower speed must be observed).
- Never carry any passenger on the ski track maker.

MANDATORY ACTIONS

- Follow all the instructions of the ATV manufacturer.
- Always use proper protective equipment (helmet etc.) when using the vehicle.
- Make sure that bystanders are moved to a safe distance when operating the device.
- Make sure that all of the safety stickers are in good condition. Replace damaged stickers as required.
- Reduce the speed of the ATV when working on a hillside or uneven terrain.
- Be careful when braking.
- The safe road-steadiness of the vehicle must always be ensured by using the correct accessories for the task in hand (chains, counterbalances, etc).
- Always check that all components are properly installed.
- Always remain clear of moving parts and joints.
- Check and tighten the bolts after the first working hour and then after every ten working hours.



IF SOMETHING HAPPENS DURING THE WORK THAT COULD DAMAGE THE PRODUCT, AN INSPECTION OF THE DEVICE MUST BE CARRIED OUT TO IDENTIFY POSSIBLE DAMAGE. DAMAGE (CRACKS IN CONSTRUCTION OR WELDS, DEFORMED PARTS) CAN ENDANGER PROPERTY AND HUMAN HEALTH. THE DEVICE MUST NOT BE USED BEFORE THE DAMAGE IS REMOVED.



MAKE SURE THAT THE SKI TRACK MAKER IS IN PERFECT WORKING CONDITION AND THAT THE TOWING COUPLING HEAD IS PROPERLY ATTACHED TO THE ATV HITCH BALL.

SAFETY LABELS

The safety labels shall be present on your ski track maker. If any of those labels is absent or gets damaged, contact your dealer in order to install new labels in place of the absent ones before operating the machine.

Meaning of safety labels

	Read the manual before use!
	Maximum permitted speed 10 km / h!
	It is forbidden to drive slopes over 10°!
	Make sure that all bystanders are at a safe distance while working with the ski track maker! Risk of collision!
	Avoid getting your hands and feet between moving parts! Especially when adjusting the ice blade and moving the transport position lever.
	Make sure that all bystanders are at a safe distance while working with the ski track maker! Risk of flying objects! Especially when using an ice blade!

PRODUCT DESCRIPTION

Iron Baltic ski track maker Tracker 230, is a simple, light, yet rugged and functional track maker for ski track preparation and grooming.

Large and heavy track making equipment generally require a lot of snow and low temperatures not to damage the ground. Our ski track maker is an ideal solution for places where there is not much snow to work with or the ground is not frozen enough for heavier vehicles. Iron Baltic ski track maker light weight means it can be attached to any ATV or UTV (preferably with tracks), snowmobile or compact tractor.

The track maker itself can be used to level the ground, compact the snow and prepare a track for skate skiing. In addition, it has a special ice blade for grooming hardened snow or already set tracks easing track maintenance. The attachable classic track setter be can mounted in three different positions (left, centre, right). The ski track maker supports up to three adjacent classic track setters.

Ski track maker also have transport wheels, which lift the rig from the ground (200 mm). This makes it possible to move the track maker considerable distances

Standard equipment :

- Ski track maker Tracker 230
- Classic track setter

Optional extras :

- Classic track setter

Product	Ski track maker Tracker 230
Model	47.0000
Dimensions	2300 mm x 670 mm x 2330 mm
Working width	2300 mm
Weight	150 kg
Tires	13 x 4.00 - 6

Table 1: Ski track maker technical data

Product	Classic track setter
Model	47.1000
Dimensions	1100 mm x 120 mm x 1270 mm
Working width	1100 mm
Track width	230 mm
Weight	25 kg

Tabel 2: Classic track setter technical data

USER GUIDE

- Read the safety instructions before driving!
- Check tow coupling connection to the tow beam before ride.
- Before ride, check is the towing coupling securely connected with tow ball (check the indicator on tow coupling)
- To adjust the height of the snow razor, release bolts (1). Tighten the bolts (1) after adjustment



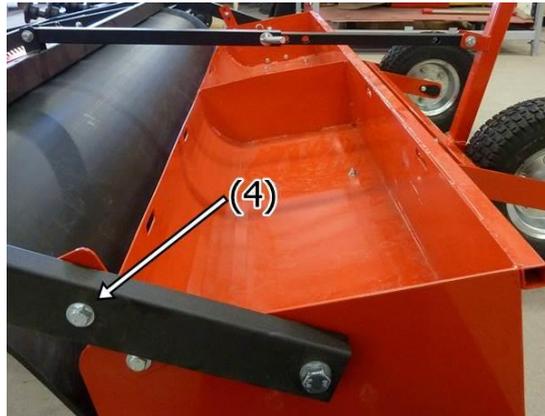
- To put the snow razor into transport position, remove the cotterpins and pins (2). Turn the snow razor up and reinstall the pins.



- To transport the snow track groomer, turn the handle (3) to raise the wheels to suitable height.



- To adjust the angle of the snow grooming box, release bolts (4) and adjust the box angle as needed and reinstall the bolts.



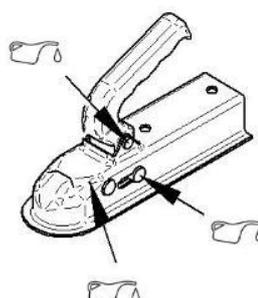
- To change the position of classic track setter, remove the cotter pin and pin (5) and position the setter as needed.



MAINTENANCE

Maintenance activity:	Before and after work	Weekly	Monthly	Seasonally
Clean the ski track maker	•	•	•	•
Tire pressure, wheel bolts, tow coupling connection check	•	•	•	•
Visual inspection of parts fastening	•	•	•	•
Checking the condition of all connecting parts		•	•	•
Inspection of safety labels		•	•	•
Lubricate the tow coupling			•	•
Checking the wear rate of metal parts			•	•

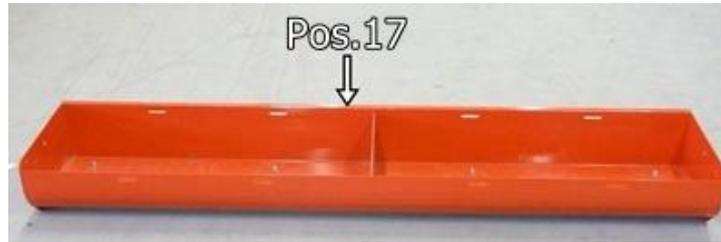
- If the tow coupling moves difficultly, add oil to places showde on the diagramm or contact manufacturer or licenced reseller.



FITTING INSTRUCTIONS

Step 1

Place the snow groomer on a level ground.



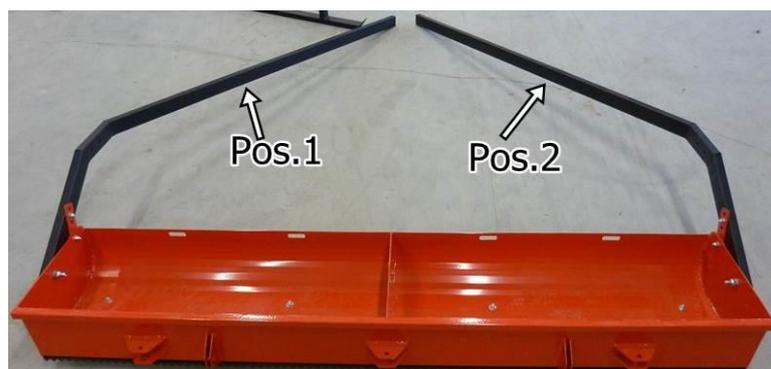
Step 2

Install angle regulator plates to both sides of the snow groomer. Tighten the bolt/nut so, that you can turn the plate freely.



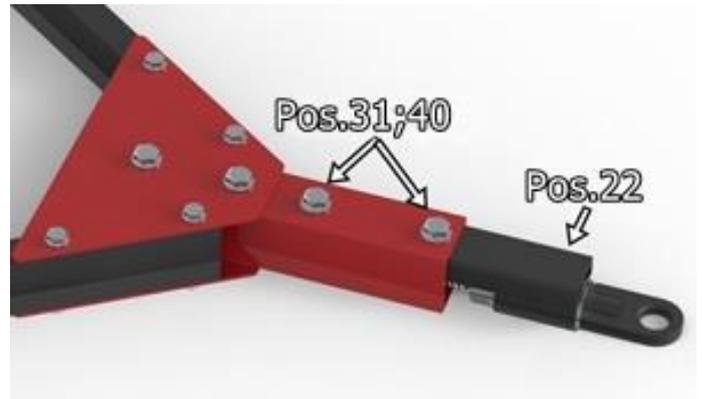
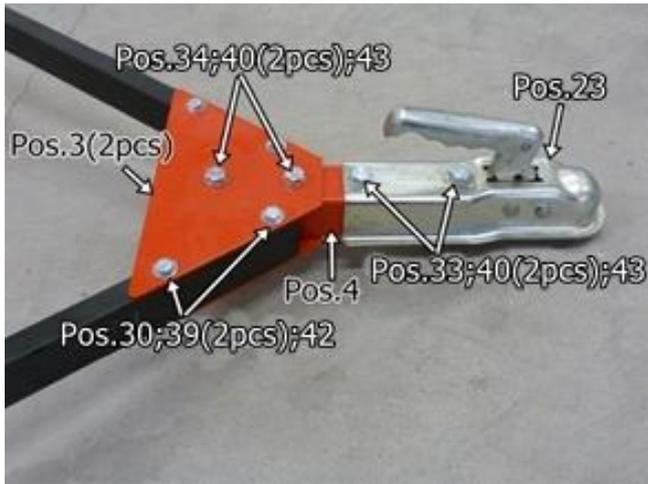
Step 3

Install left and right side of the frame. Install one M12 washer between the frame and groomer box.



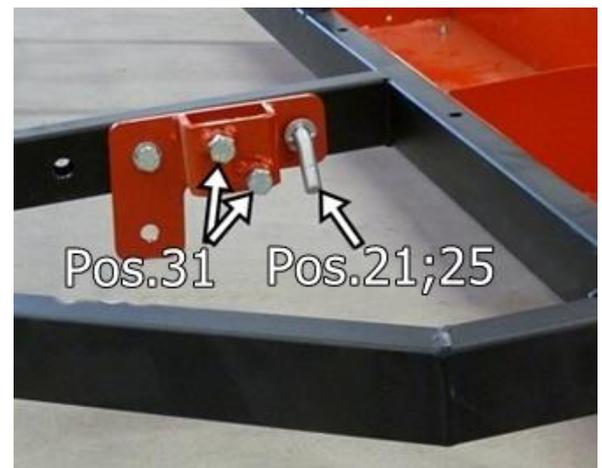
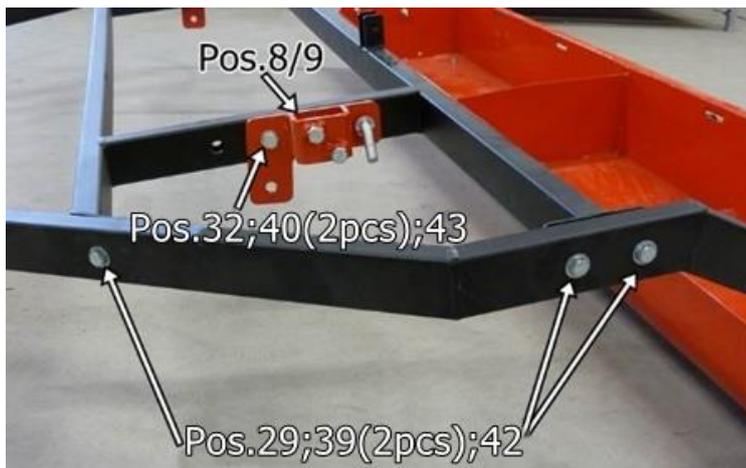
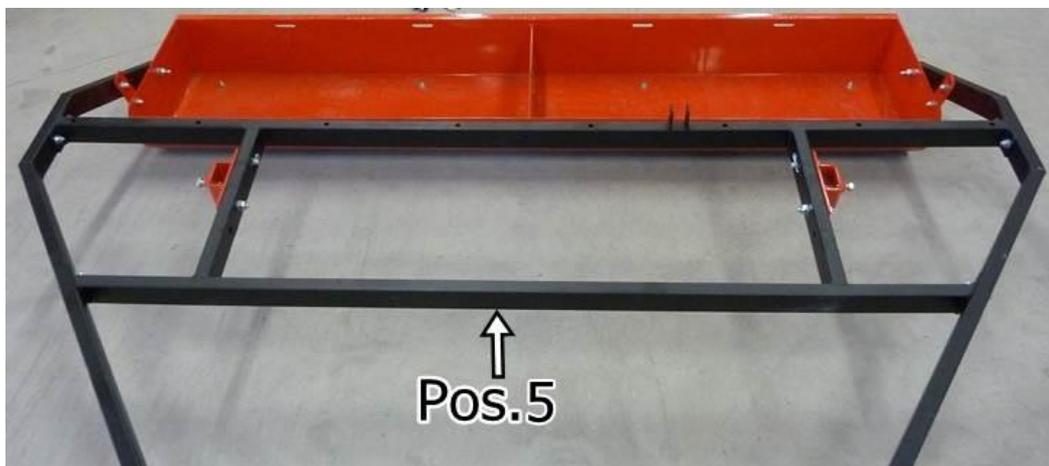
Step 4

Install tow bar connection plates, end tube and suitable tow coupling.



Step 5

Install sub-frame and tube holders to the sub-frame.



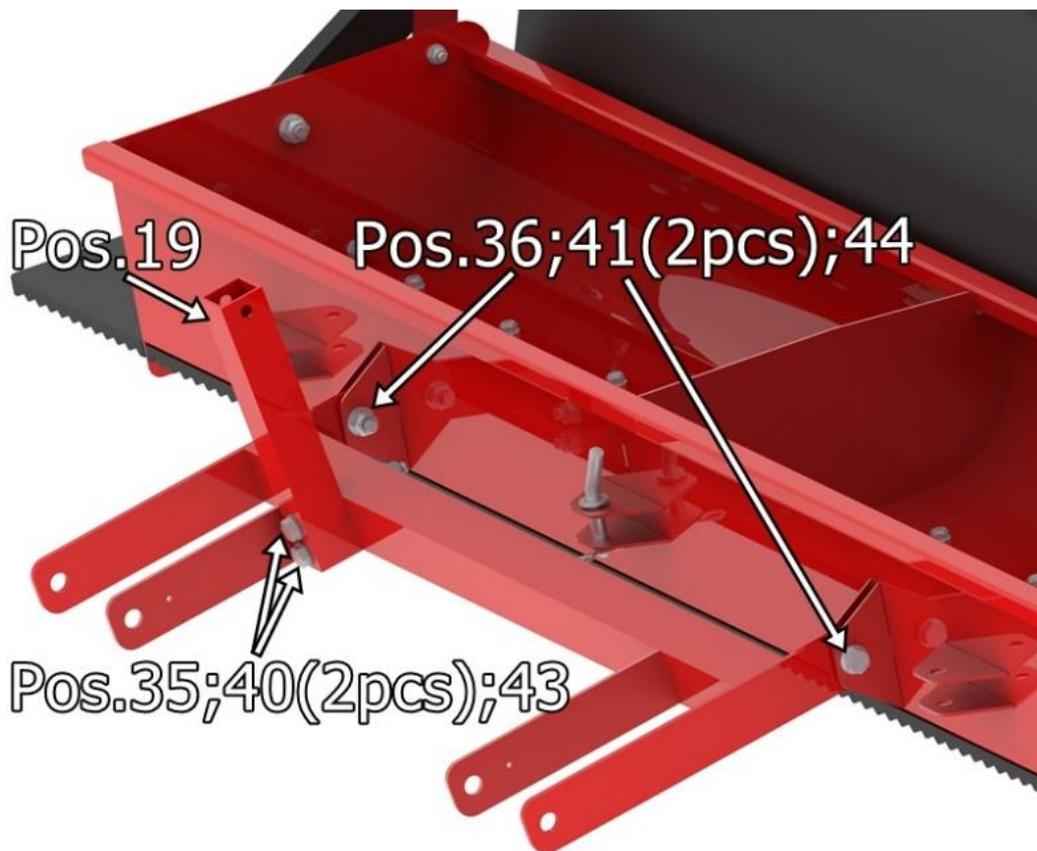
Step 6

Install plastic skirt to the sub-frame.



Step 7

Install wheel frame and adjuster holder.



Step 8

Install wheels.

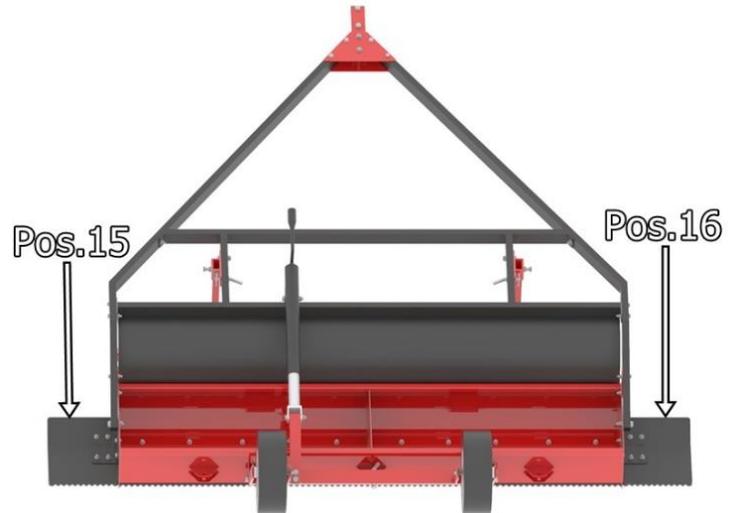


Step 9

Install adjuster.



Step 10 Install deflector wings



Step 11 Install snow razor holders. Place the snow razor to the sub-frame.

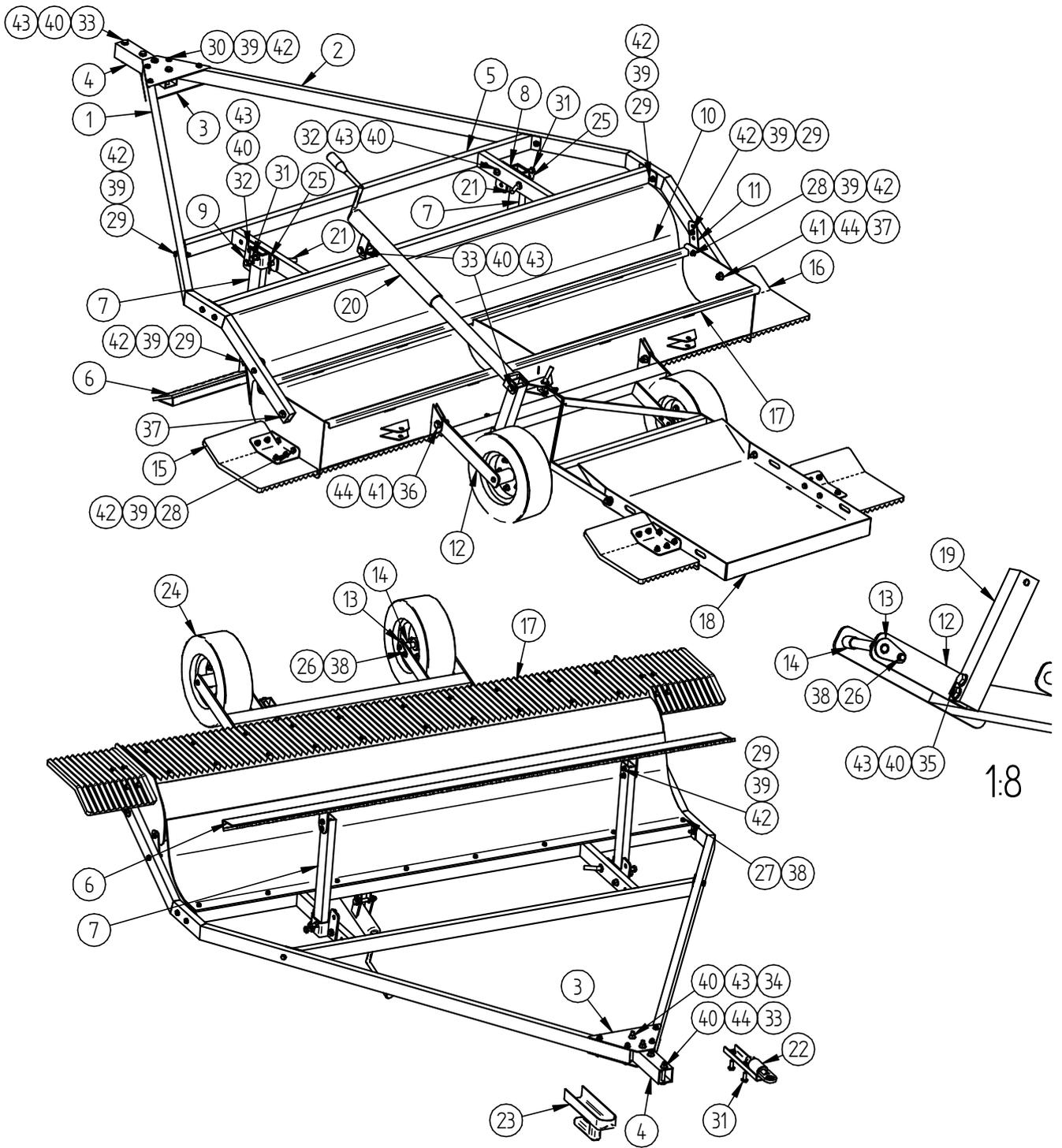


Step 12 Install classic track setter behind the groomer.



SPECIFICATION

Pos.	Description	Code	Amount
1	Left frame part	47.001V	1
2	Right frame part	47.001P	1
3	Tow bar connection plate	47.005	2
4	Tow bar end tube	47.006	1
5	Sub-frame	47.007K	1
6	Snow razor	47.013K	1
7	Snow razor holder	47.016	2
8	Tube holder right	47.017P	1
9	Tube holder left	47.017V	1
10	Plastic skirt	47.020	1
11	Groomer angle regulator	47.021	2
12	Wheel frame	47.034K	1
13	Wheel spindle	47.036K	2
14	Distance bush	47.038	4
15	Left deflector wing	47.049K	1
16	Right deflector wing	47.050K	1
17	Snow groomer	47.052K	1
18	Classic track setter	47.1000	1
19	Adjuster attachment	47.4001	1
20	Adjuster	47.4010	1
21	Pin	34.500K	3
22	Tow coupling (snowmobile)	22.050	1
23	Tow coupling 50mm	OT.10.02.020	1
24	Wheel 13x4.00-6"	OT.10.03.050	2
25	Cotter pin 3 mm DIN11024	OT.07.01.020	3
26	Bolt M6x12 DIN933	OT.02.02.030	2
27	Bolt M6x20 DIN933	OT.02.02.060	8
28	Bolt M8x20 DIN933	OT.02.02.180	6
29	Bolt M8x45 DIN933	OT.02.02.230	12
30	Bolt M8x70 DIN933	OT.02.02.260	4
31	Bolt M10x25 DIN933	OT.02.02.317	6
32	Bolt M10x45 DIN933	OT.02.02.331	2
33	Bolt M10x70 DIN931	OT.02.01.046	4
34	Bolt M10x80 DIN931	OT.02.01.048	2
35	Bolt M10x110 DIN931	OT.02.01.059	2
36	Bolt M12x40 DIN933	OT.02.02.410	2
37	Bolt M12x50 DIN933	OT.02.02.430	2
38	Washer M6 SFS3738	OT.04.03.020	10
39	Washer M8 SFS3738	OT.04.03.030	44
40	Washer M10 DIN125	OT.04.01.040	20
41	Washer M12 DIN125	OT.04.01.050	10
42	Nyloc nut M8 DIN985	OT.03.02.040	22
43	Nyloc nut M10 DIN985	OT.03.02.050	10
44	Nyloc nut M12 DIN985	OT.03.02.060	4



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