

IRON BALTIC

ATV TRAILER

IB 165 OFFROAD

Code 74.1100

Version 16012024



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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CONTENTS

EC DECLARATION OF CONFORMITY	4
SISSEJUHATUS	Error! Bookmark not defined.
OHUTUSJUHEND.....	Error! Bookmark not defined.
OHUTUSKLEEBISED.....	Error! Bookmark not defined.
TOOTE KIRJELDUS.....	Error! Bookmark not defined.
KASUTUSJUHEND	Error! Bookmark not defined.
HOOLDUS.....	9
PAIGALDUSJUHEND.....	Error! Bookmark not defined.
SPETSIFIKATSIOON.....	14

EC DECLARATION OF CONFORMITY

Manufactured by: Iron Baltic OÜ
Address: Põldmäe tee 1, Vatsla 76915
Product: **Trailer**
Type: **IB 165 OFFROAD**
Model: **74.1100**

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



.....
Tiit Norak
Member of the Board

INTRODUCTION

Thank you for choosing Iron Baltic product. This manual contains the technical details of the IB 165 OFFROAD trailer and instructions on how to assemble, operate and maintain the product safely. Unnecessary use of the trailer can result in economic damage and personal injury, so it is very important that the person 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 trailer 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 trailer, 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.

The ATV together with the trailer hitched to it form a long working machine, which is not easy to manoeuvre; therefore, operating in small and narrow areas can be a complicated task.

TRAINING

1. Read thoroughly the safety instructions and terms of use.
2. Never allow children to operate the vehicle or the trailer. Never allow adult persons to operate the vehicle or the trailer if they have not received the proper training
3. Neither the vehicle nor the trailer 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 trailer on overly steep slopes.
- Never operate the trailer without all the protective parts properly installed.
- Do not operate the trailer before you have carefully read the whole operation manual.
- Never drive faster than 40 km/h, or what the vehicle manufacturer recommends (the lower speed must be observed).
- Never carry any passenger on the trailer.

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 trailer.
- 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 load to the ATV hitch ball should not exceed 60kg, or the weight specified by the manufacturer of the vehicle.
- The safe road-steadiness of the vehicle must always be ensured by using the correct accessories for the task in hand (chains, counterbalances, etc).
- Distribute the load on the trailer as evenly as possible (place heavy pieces to the centre, on the axle).
- Always check that all components are properly installed.
- Check and tighten the bolts after the first working hour and then after every ten working hours.
- When unhooking the trailer, make sure there is no load on the trailer
- Lubricate the grease nipple on the towing coupling head after every 50 working hours or twice a year.



KUI TÖÖ KÄIGUS JUHTUB MIDAGI, MIS VÕIB SEADET KAHJUSTADA, TULEB KORRALDADA SEADME INSPEKTEERIMINE, ET TUVASTADA JA HINNATA VÕIMALIKKE KAHJUSTUSI. KAHJUSTUSED (MÕRAD KONSTRUKTSIOONIS VÕI KEEVISÜHENDUSTES, DEFORMEERUNUD DETAILID) VÕIVAD OHUSTADA VARA JA INIMESTE TERVIST. ENNE KAHJUSTUSTE KÕRVALDAMIST EI TOHI SEADMEGA TÖÖD JÄTKATA.



ENNE TÖÖLE ASUMIST KONTROLLI, ET HAAGIS OLEKS TEHNILISELT KORRAS JA KUULÜHENDUS ON KORRALIKULT ÜHENDATUD ATV VEOKONKSU KÜLGE.

SAFETY LABELS

The safety labels shall be present on your trailer. 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

	Maximum permitted speed 40 km / h!
	Maximum load capacity 500 kg!
	Never carry any passenger on the trailer!
	It is forbidden to drive slopes over 15°!
	When lowering the box, ensure that the limbs do not fall between the box and the frame!
	Trace the surroundings when tilting the load and make sure it is safe!
	Read the manual before use!

PRODUCT DESCRIPTION

The Iron Baltic IB 165 OFFROAD is a durable one-axle trailer that can be attached to the ATV or UTV and carry up to 500 kg load.

The trailer is designed for ATVs and UTVs to be used off-road, but can be towed with any other vehicle equipped with a 50 mm hitch ball. Trailer does not cause notable damage to the terrain and is easily maneuverable between trees, allowing access to places outside the reach of larger rigs.

Cargo box sides and posts can be fully removed to create a platform trailer and make it possible to transport cargo with dimensions that exceed those of the cargo box itself. The optional cargo box extensions add 310 mm to the height of the trailer increasing the cargo box size for larger loads.

The cargo box is manually tiltable in standard but can be upgraded with an optional gas spring, hydraulic cylinder or electric kit.

Standard equipment :

- Trailer

Optional extras :

- Support leg
- 360° rotating hitch
- Side extensions
- PVC cover
- Cargo box lifting kit

Product	Trailer IB 165 OFFROAD
Model	74.1100
Dimensions	2743 mm x 1330 mm x 1008 mm
Trailer box dimensions	1600 mm x 1200 mm x 348 mm
Load capacity	500 kg
Weight	150 kg
Tires	Off-the-road 22 x 12 – 8

Table 1: Trailer IB 165 OFFROAD technical data

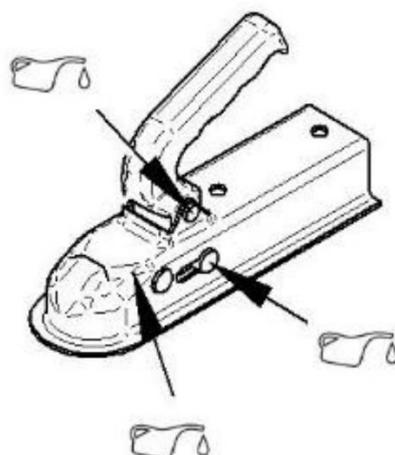
USER GUIDE

- Read the safety instructions before driving!
- Check tow coupling connection to the tow beam before ride.
- Before ride, make sure the trailer stand is up and secured.
- Before ride, check all removable accessories are secured and locked (like side extensions)
- Before ride, check is the towing coupling securely connected with tow ball (check the indicator on tow coupling)
- Before ride, check tire condition and pressure (the exact tire pressure is marked on the side of the tire). If needed change the tires. Use only tires specified by the trailer manufacturer.
- Before ride, check Tension of the wheel bolts.
- Distribute the load on the trailer as evenly as possible, take into account maximum mass and that the load to the ATV hitch ball should not exceed 60kg, or the weight specified by the manufacturer of the vehicle (the lower weight must be observed).
- The highest speed when transporting a load is 40km/h, or what the vehicle manufacturer recommends (the lower speed must be observed).
- Before tilting the trailer, apply vehicle handbrake.

MAINTENANCE

Maintenance activity:	Before and after work	Weekly	Monthly	Seasonally
Clean the trailer	•	•	•	•
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			•	•

- Always wash the trailer after use. To remove most of the dirt, use running water. Usual car shampoo can be used for washing the trailer.
- Only change trailer tire on flat and hard surface, by placing jack stand under the vertical axle beam corner.
- If the tow coupling moves difficultly, add oil to places showde on the diagramm or contact manufacturer or licenced reseller.

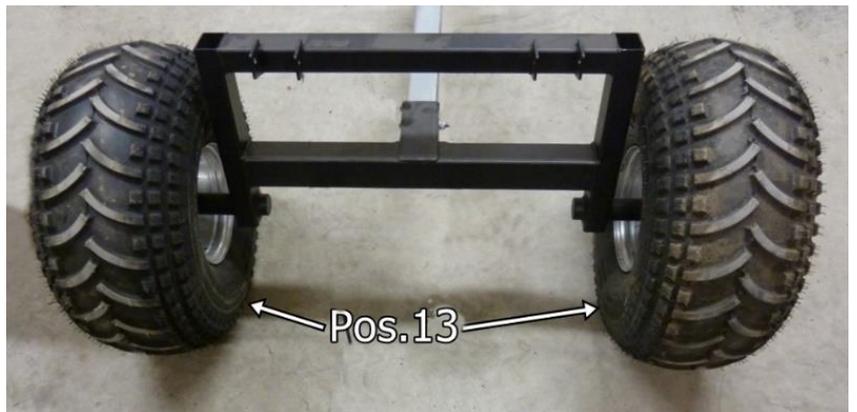


FITTING INSTRUCTIONS

Step 1 Install tow beam to the axle.



Step 2 Install wheels.



Step 3 Install tow coupling.



Step 4

Install baseframe.



Step 5

Install corner posts and ports.



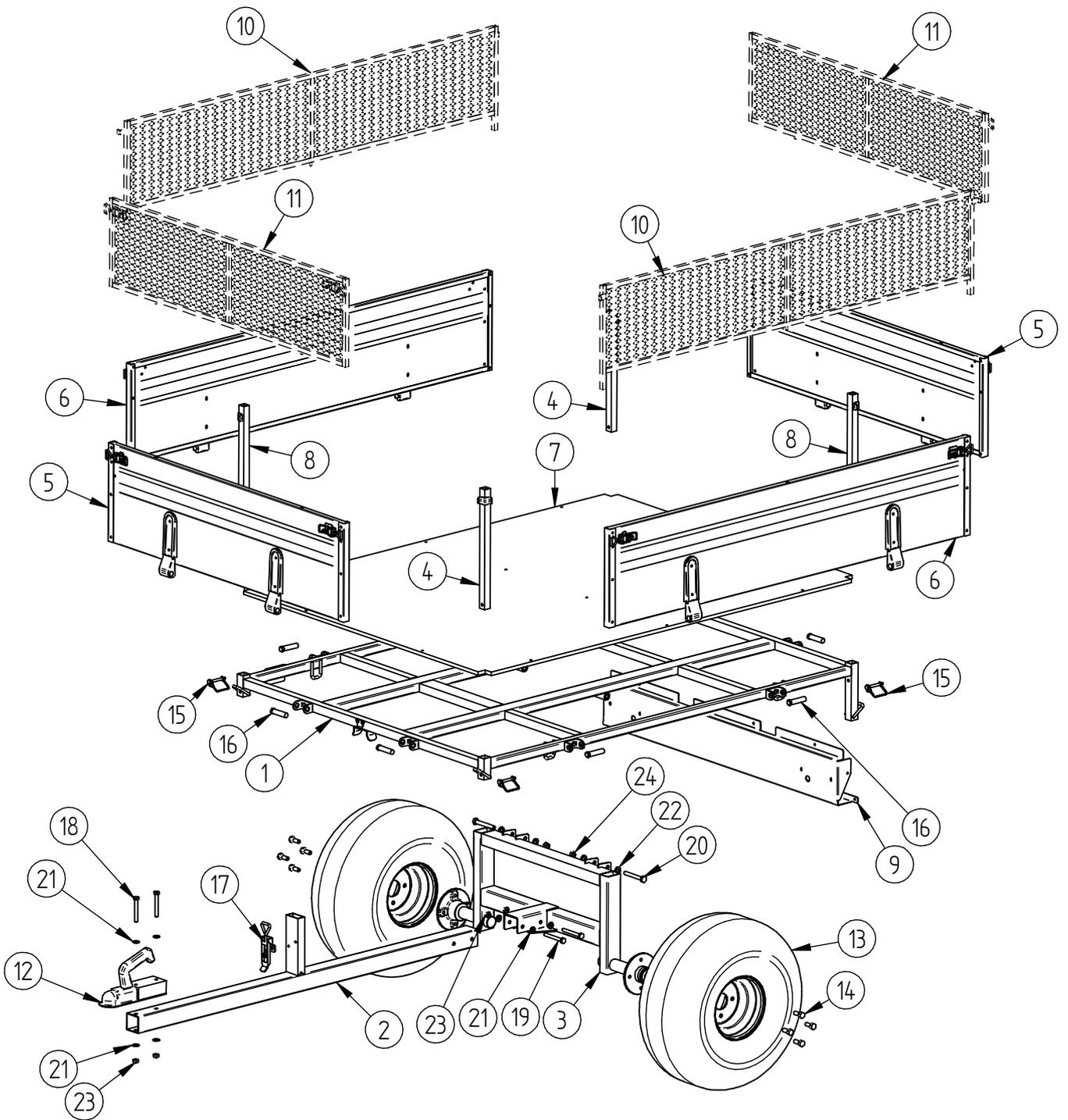


74.1100 ATV Trailer IB 165 Offroad

SPECIFICATION

Pos.	Description	Code	Amount
1	Base frame	74.1001K	1
2	Tow beam	74.1007K	1
3	Axle assembly	74.1008K	1
4	Corner post 1 + cap	74.1010K	2
5	End port	74.1011K	2
6	Side port	74.1014K	2
7	Veneer (1250x1650x12)	74.1015	1
8	Corner post 2 + cap	74.1017K	2
9	Lights profile	74.1020	1
10*	Side extension	74.2001K	2
11*	End extension	74.2006K	2
12	Tow coupling	OT.10.02.030	1
13	Wheel 22x12x8 A-032	OT.10.03.120	2
14	Wheel bolt	OT.02.09.010	8
15	Spring lock pin	OT.10.11.010	4
16	Hinge pin	OT.10.10.011	8
17	Clamp	OT.10.04.020	1
18	Bolt M10x80 DIN931	OT.02.01.048	2
19	Bolt M10x90 DIN931	OT.02.01.050	2
20	Bolt M12x90 DIN931	OT.02.01.120	2
21	Washer M10 DIN125	OT.04.01.040	8
22	Washer M12 DIN125	OT.04.01.050	4
23	Nyloc nut M10 DIN985	OT.03.02.050	4
24	Nyloc nut M12 DIN985	OT.03.02.060	2

* - Optional accessories



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