

IRON BALTIC

UNIVERSAL SPREADER

DOWNLOAD MULTILINGUAL
USER MANUAL



code.ironbaltic.com/u/BYidUGGY

Code 52.4000

Version 18122023



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

Iron Baltic Ltd | +372 653 3711 | sales@ironbaltic.com | www.ironbaltic.com

SPECIFICATION

Pos.	Description	Code	Amount
1	Spreader	52.4001	1
2	Frame tube 1	52.4002	1
3	Frame tube 2	52.4003	1
4	Bracket	52.4004	1
5	Plate	52.4005	1
6	Gusset	52.4006	2
7	Control rod	52.4007	1
8	Control rod collar	52.4008	1
9	Wire	52.4009	1
10	Pin	52.4010	2
11	Cotter pin	52.4011	2
12	Holder	52.4101	1
13	Pipe clamp M8x28	OT.05.01.010	2
14	Bolt UNC 1/2" x 3,5	DIN 931	6
15	Washer Ø12/24 DIN 125	OT.04.01.050	14
16	Washer Ø8/20 SFS3738	OT.04.03.030	4
17	Nylock nut M8 DIN 985	OT.03.02.040	4
18	Nylock nut UNC 1/2"	DIN 985	6



FITTING INSTRUCTIONS

RECEIVER MOUNT

Step 1

Assamble frame tubes 52.4002 and 52.4003 using reinforcement plates 52.4006.



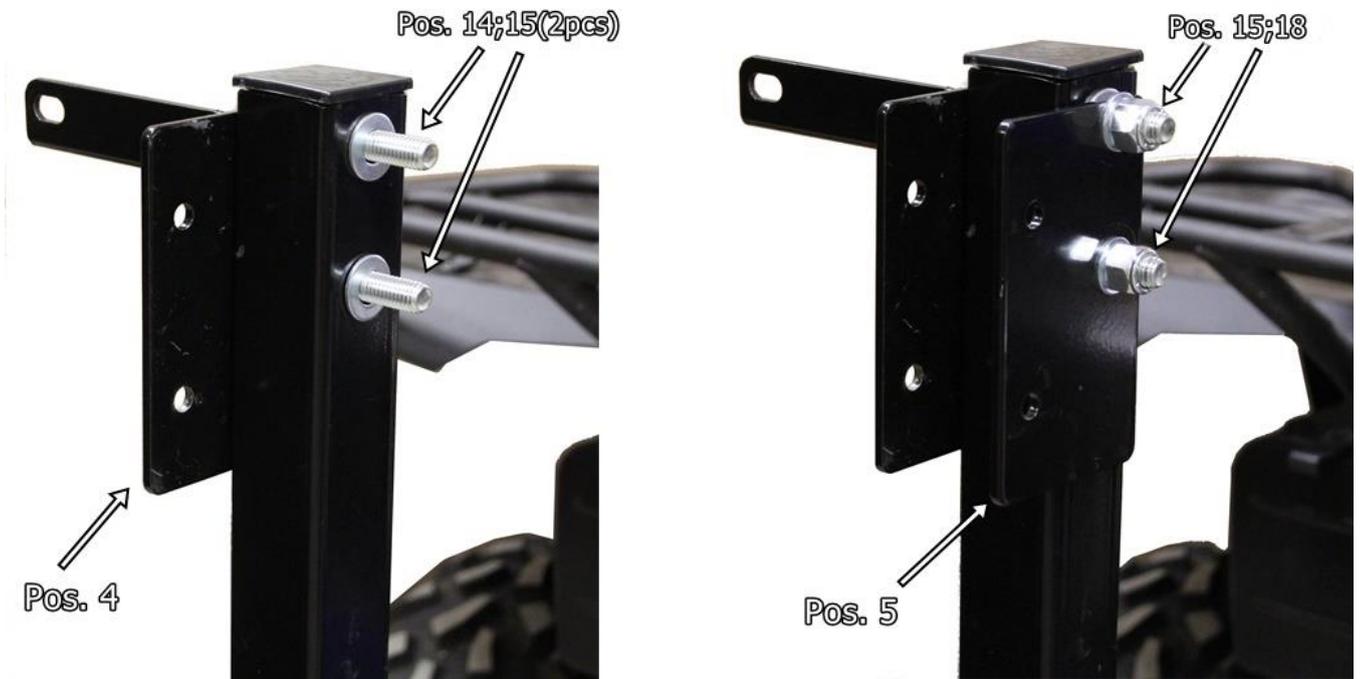
Step 2

Install the frame into the hitch receiver using original pin.



Step 3

Assemble bracket 52.4004 and plate 52.4005.
NB! Install washers between the frame and plate 52.4005.



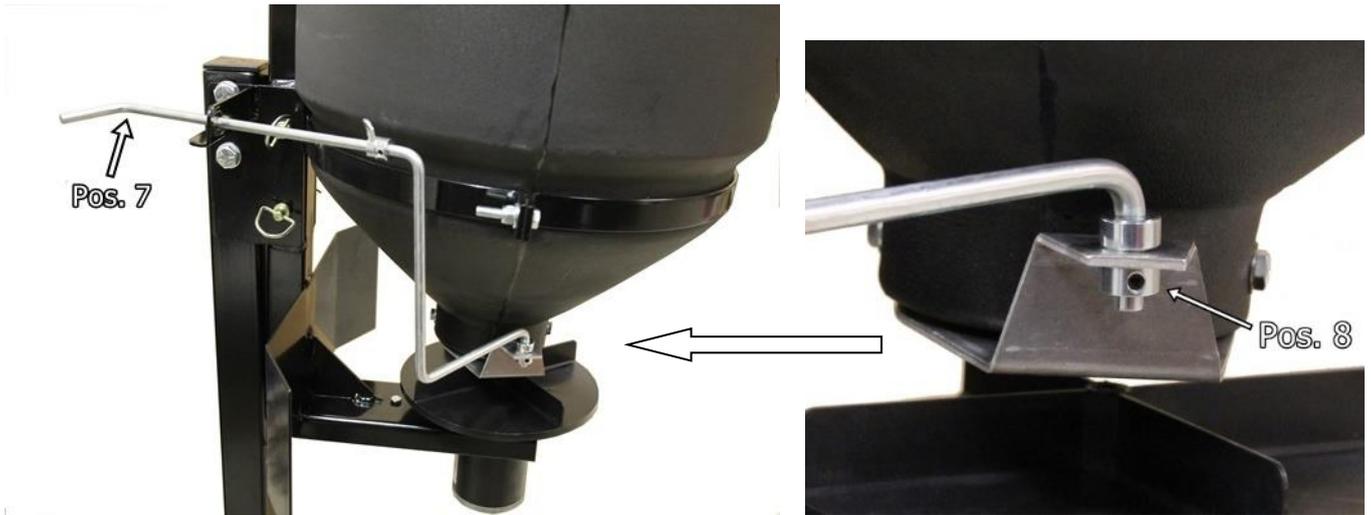
Step 4

Assemble spreader with frame by using pins 52.4010 and cotterpins 52.4011.



Step 5

Connect control rod 52.4007 with feed gate.
Secure the rod with collar 52.4008.



Step 6

Connect wire to the motor connector and plug
the adapter into ATV power outlet.



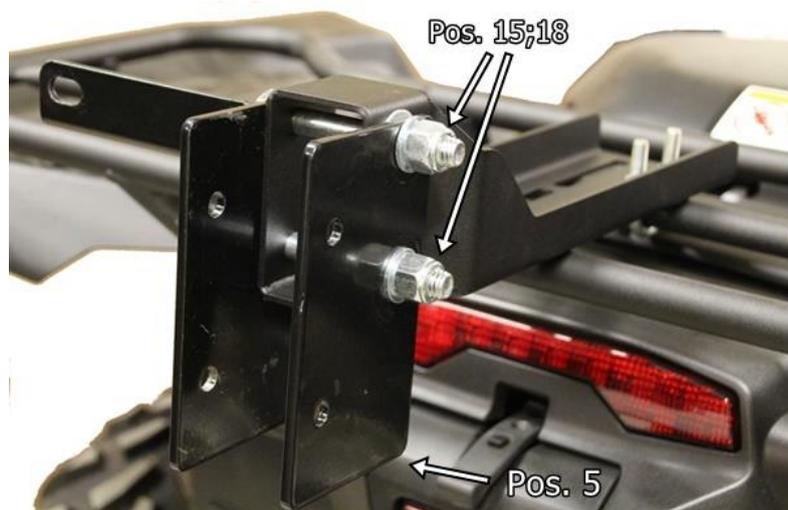
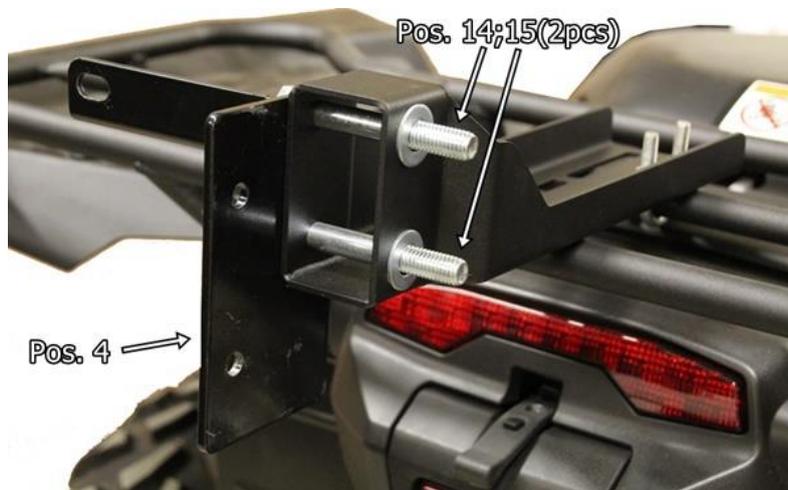
FITTING INSTRUCTIONS

RACK MOUNT

Step 1 Install holder 52.4101 to luggage rack .



Step 2 Assemble bracket 52.4004 and plate 52.4005.
NB! Install washers between the holder and plate 52.4005



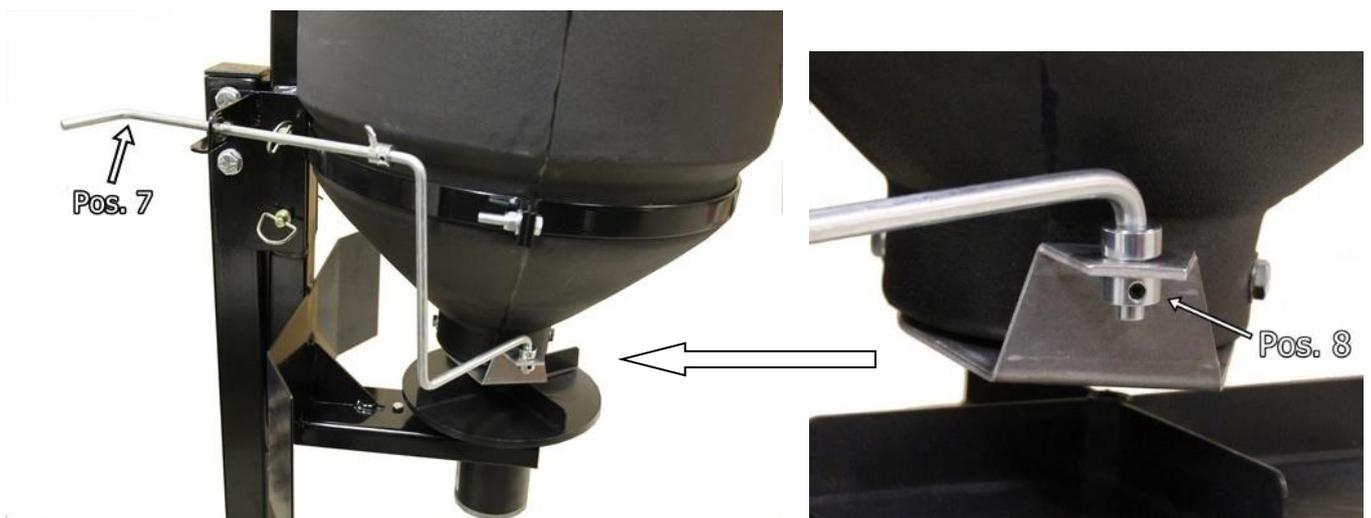
Step 3

Assemble spreader with frame by using pins 52.4010 and cotterpins 52.4011.



Step 4

Connect control rod 52.4007 with feed gate.
Secure the rod with collar 52.4008.

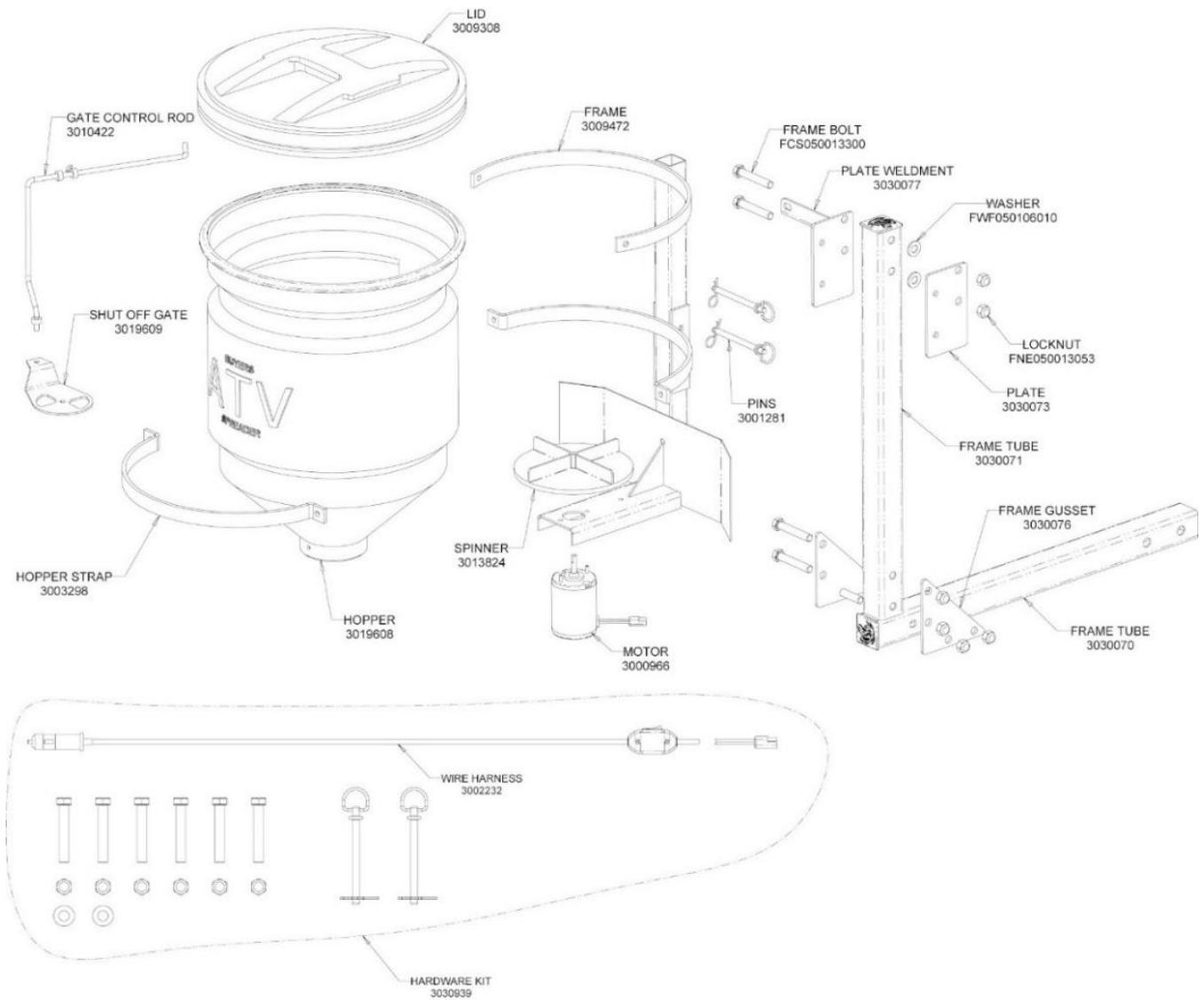


Step 5

Connect wire to the motor connector and plug the adapter into ATV power outlet .

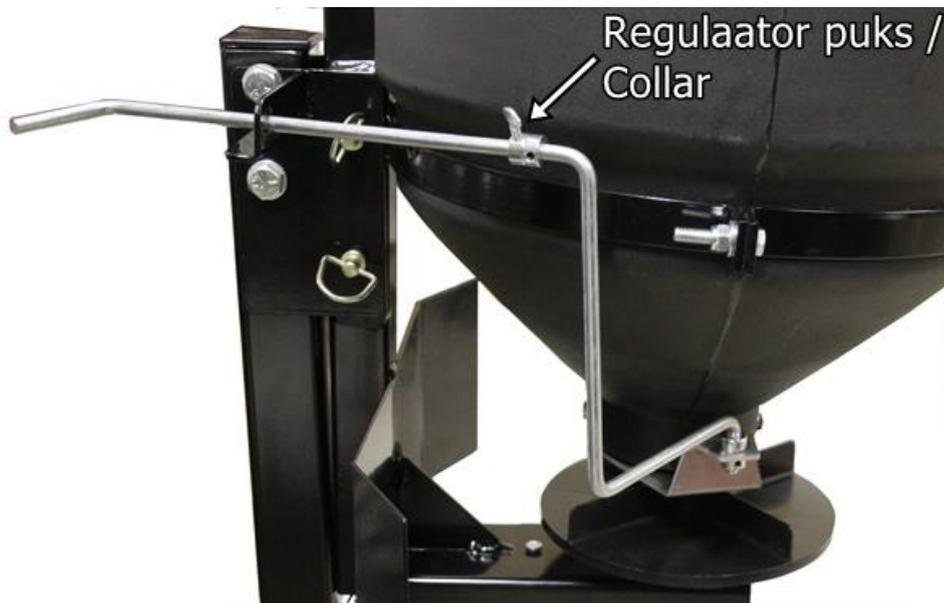


Parts list



OPERATING INSTRUCTIONS

1. Adjust the feed gate limiter to the desired position by using the collar on the control rod.



2. Close the feed gate completely and load material into the spreader.
3. Turn on the spreader, while moving with right speed (see coverage calculator) open the feed gate.
4. Clean the spreader and other parts after use. Some material can cause corrosion to metal parts, thus reducing the life of the device.

NB! In the event the spreader motor not working, check the fuse and replace if blown



COVERAGE CALCULATOR INSTRUCTIONS

- Use the charts or the procedure below to determine how fast to drive to achieve the proper coverage.

Fertilizer Coverage (6 m spread width)

Coverage	Speed with gate fully open	Speed with gate half open
7 kg per 500 m ²	15 km/h	7,5 km/h
7 kg per 955 m ²	30,5 km/h *	15,25 km/h
14 kg per 955 m ²	15 km/h	7,5 km/h
14 kg per 1435 m ²	23 km/h *	11,5 km/h
20 kg per 1025 m ²	11,5 km/h	5,75 km/h
20 kg per 1540 m ²	17 km/h *	8,5 km/h
25 kg per 1025 m ²	9 km/h	4,5 km/h
25 kg per 1540 m ²	13,5 km/h	6,75 km/h

*** It is not recommended to spread material driving over 16 km/h**

Seed Coverage (5,5 m spread width)

Coverage	Speed with gate fully open	Speed with gate half open
4,5 kg per 235 m ²	5,5 km/h	2,75 km/h
4,5 kg per 280 m ²	13 km/h	6,5 km/h
4,5 kg per 465 m ²	20 km/h *	10 km/h
11 kg per 580 m ²	5,5 km/h	2,25 km/h
11 kg per 765 m ²	13 km/h	6,5 km/h
11 kg per 1160 m ²	20 km/h *	10 km/h

*** It is not recommended to spread material driving over 16 km/h.**

- If your material is not listed above use this procedure to calculate vehicle speed to get the correct coverage :

1. Coverage (see material packaging):

for example: 5 kg/150 m²

2. Amount of material to fill half of the spreader:

for example: 25kg

3. Turn spreader on, open the feed gate for two seconds and measure the spread width:

for example: 6m

4. Open the feed gate and record the amount of time it takes all the material to flow through:

for example: 65 seconds

Calculation :

$$\frac{\text{pindala}}{\text{(materjali pakendilt)}} * \frac{1}{\text{puistelaius}} * \frac{\text{materjali kulu}}{\text{(punkt 2)}} * \frac{1 \text{ km/h}}{0,2793 \text{ m/s}} = \text{liikumiskiirus}$$

kogus
(punkt 3)
aeg
(punkt 4)

$$\frac{\text{area from coverage}}{\text{(material package)}} * \frac{1}{\text{spread width}} * \frac{\text{weight tested}}{\text{time to flow}} * \frac{1 \text{ km/h}}{0,2793 \text{ m/s}} = \text{vehicle speed}$$

(material package)
(step 3)
(step 2)
(step 4)

For example :

$$\frac{150 \text{ m}^2}{5 \text{ kg}} * \frac{1}{6 \text{ m}} * \frac{25 \text{ kg}}{65 \text{ s}} * \frac{1 \text{ km/h}}{0,2793 \text{ m/s}} = 6,8 \text{ km/h}$$

NB! If your resulting speed is greater than 16 km/h , divide the speed in half and use the half-open gate setting

IRON BALTIC

IRON BALTIC OÜ
Joa tee 17
Vääna 76903
Estonia / Europe

+372 6 533 711
sales@ironbaltic.com

www.ironbaltic.com
www.facebook.com/ironbaltic
www.youtube.com/user/ironbalticLtd

