

Hand-powered Ball Picker Assembly Instructions

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Parts List

Your ball picker comes with the following parts:

Part #	Part Name	Specifications	Quantity
1	Section Frame		1
2	Push Bar		1
3	Disc Spool		1
4	Guide Wheel		1
5	Basket		1
6	Bolt w/locknuts, washer & spring washer	M10x80	8pairs
7	Bolt w/locknuts, washer & spring washer	M10x25	4pairs

Tools

You will need the following tools:

Tool	Qty	Purpose
3mm Socket Screw Wrench	1	Adjust the holding screw on the bearing
5mm Socket Screw Wrench	1	Adjust the spool axis

Assembly

Step 1: Remove all parts from the shipping crate and open the parts box.

Step 2: Attach the Guide Wheel (4) to the plate on the Section Frame (1)

with 4 pairs of M10x25 Bolt w/locknuts, washer & spring washer (7).
See Figure 1.

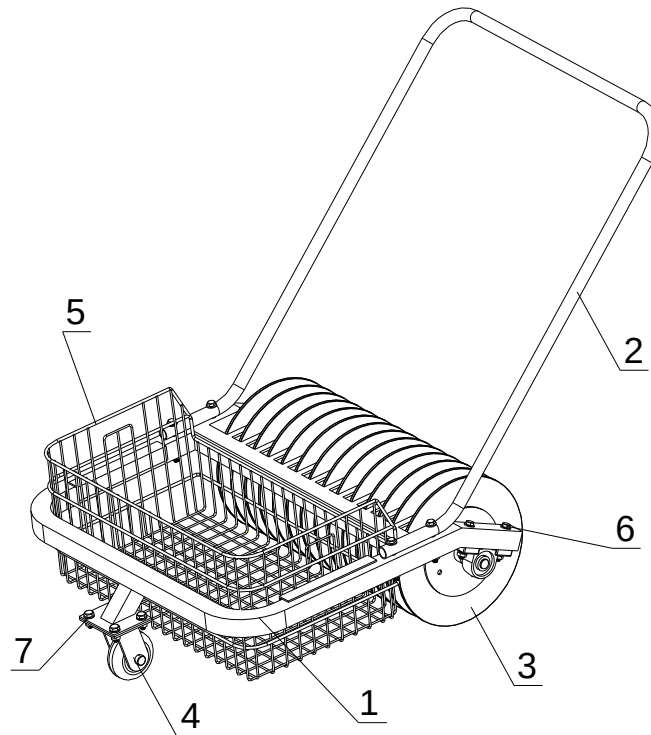


Figure 1

Step 3: Connect the Disc Spool (3) and the Section Frame (1) with four pairs of M10x80 Bolt w/locknuts, washer & spring washer (6). Adjust the space between the disc spool and the Ball Guide Fingers Plate. Screw the nuts and the holding screw on the bearing. See Figure 2.

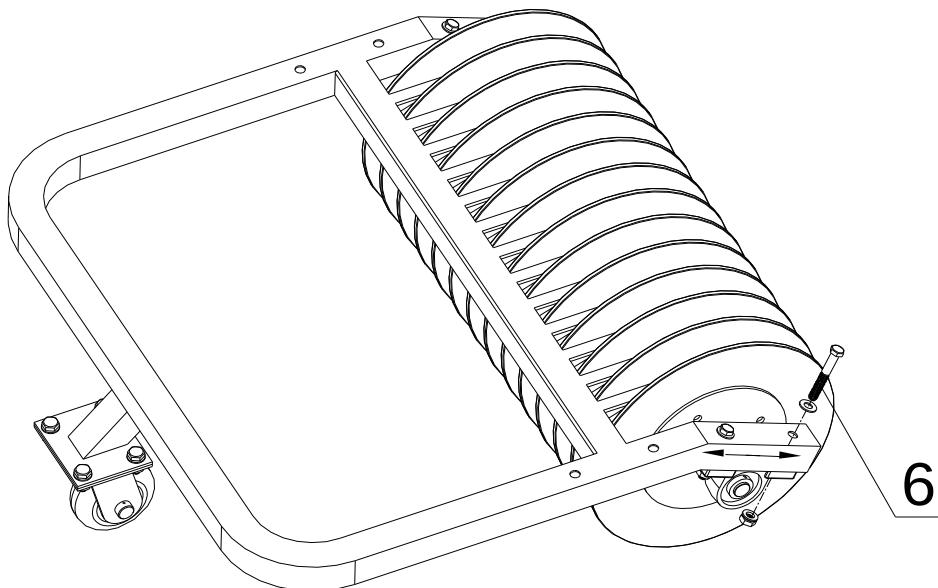


Figure 2

Step 4: Connect the Push Bar (2) and the Section Frame (1) with four pairs of M10x80 Bolt w/locknuts, washer & spring washer (6). Finish by putting the Basket (5) in. See Figure 3.

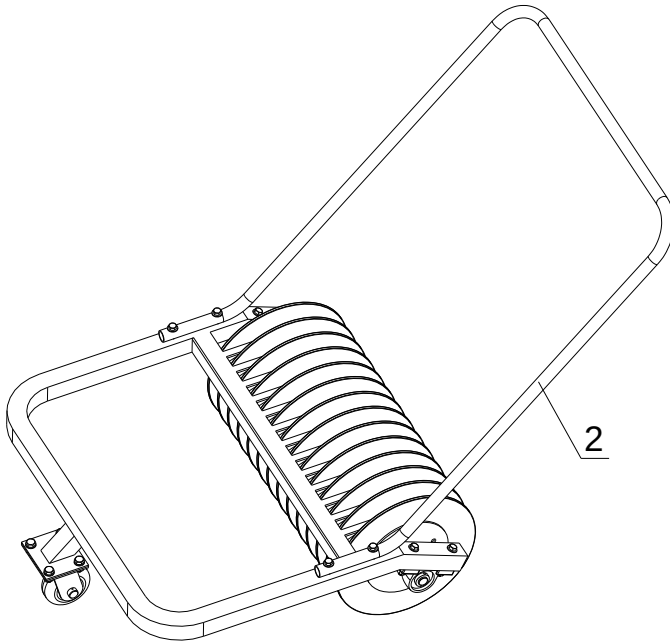


Figure 3

Routine Maintenance

Your picker is designed to be used on grass or sod. Avoid driving the picker on concrete, crushed stone, or asphalt. Before backing, check the disc pool and the surrounding ground to make sure no balls are left there. Please stop picking when the baskets are filled to the top. Dump them before continuing. Never move too fast or press the push bar hard downward. Check all the locknuts and grease the bearings and the wheel regularly.

Directions for replacing a disc:

See Figure 8:

1. Remove the M10x80 bolts on the bearing block to free the disc spool from the Section Frame.
2. Use a 3mm Socket Screw Wrench to loosen the 2 holding screws on the bearing. Get out the unit bearing assembly.
3. Use a 5mm Socket Screw Wrench to loosen the M6x15 socket-cap screws on the metal plate on each side of the disc spool.
4. Use a 13–14 open spanner to unscrew the M8 locknut on each side of the disc spool and slide the screw studs out of the disc spool.
5. Remove the metal plate and the discs that precede the broken disc, and then remove the broken disc.
6. Replace the broken disc and the preceding discs. (Tip: to load with the wider side of the discs facing the axis, the loading process will be easier.)
7. Replace the metal plates on both sides of the spool. Replace the screw studs and fasten with washers, spring washers and nuts.
8. Tighten the locknuts until the notches on each side of the axis come out. Replace the M6x15 socket-cap screws on the metal plate and reload the bearing.

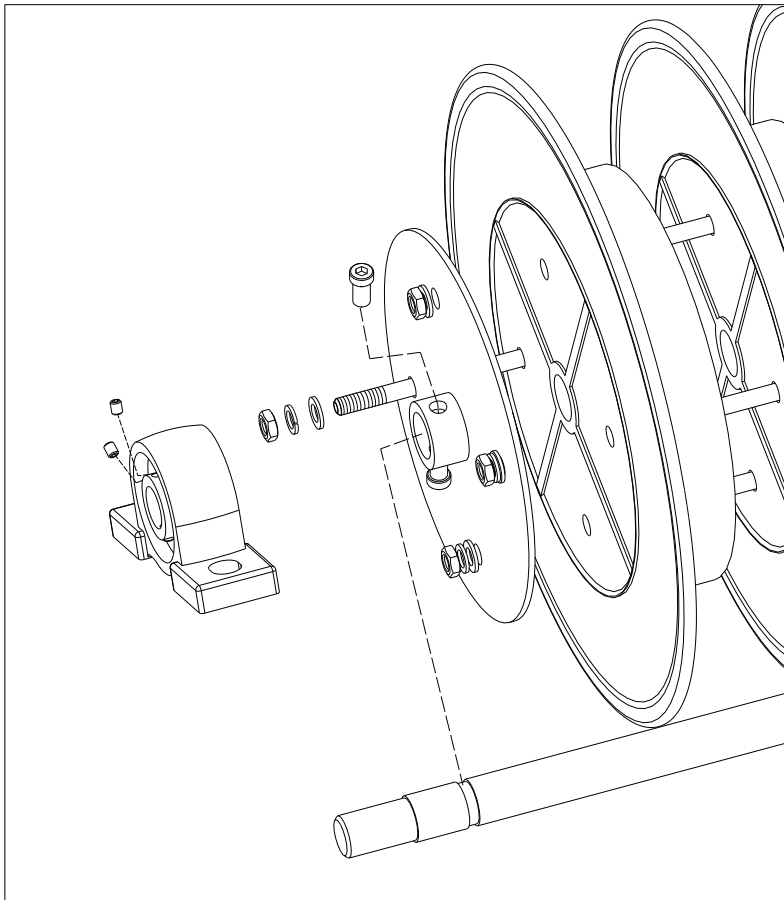


Figure 4