



IPC

BY TENNANT COMPANY

920M

Manual Sweeper



Operator Manual



Please be sure to read and understand the following instruction manual prior to operating this machine.

SPECIFICATION

Working width with two side brushes	36 inches
Container Capacity	10.5 gallons
Maximum Theoretical Area Performance	39,611 ft ² /h
Net weight	50 lbs
Dimensions	51x36x40.5 inches
Dimensions (folded)	35x32x15.5 inches

STANDARD PRODUCTS AND SPARE PARTS IN THE BOX



Sweeper body



Handle 1 Pc



Front brush 2 Pcs



Turning knob 2 Set



Bolt 2 Set

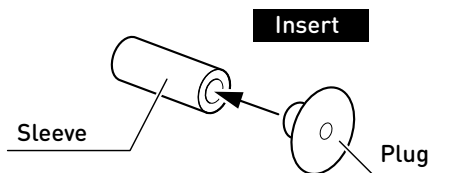


Screw 6 Set

FRONT ARM ASSEMBLY

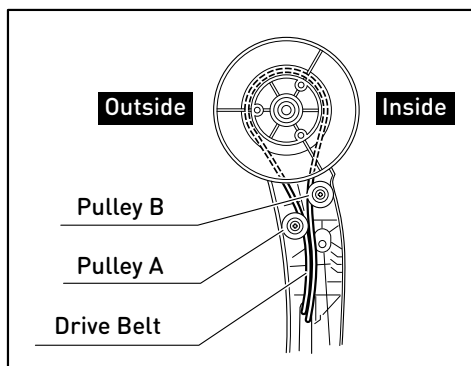
* Please wear appropriate personal protective equipment during assembly.

1. Insert the plug on the side of the sleeve.

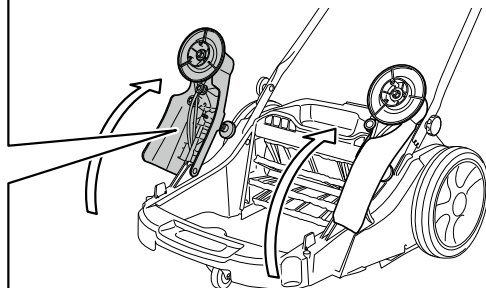


2. Lift the dust container up, remove it from the machine body, and raise the front arm.

3. The position of the drive belt is shown in the picture below:
Confirm the drive belt is routed past pulleys A and B as shown.

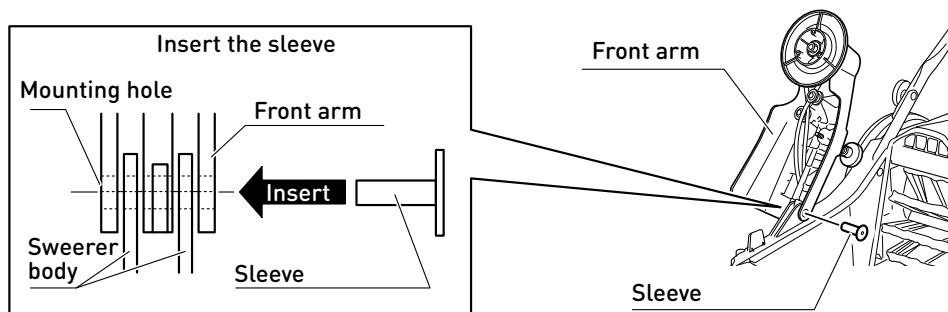


* The picture is shown on the right side, please do the same on the left side.

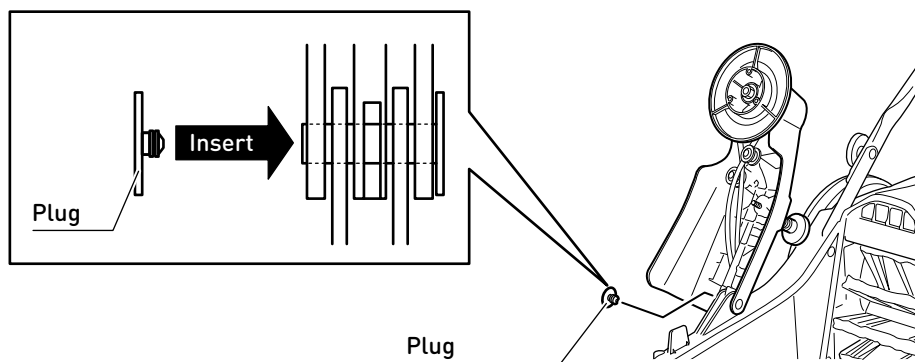


FRONT ARM ASSEMBLY

4. Install the arm, match the position of the physical mounting hole, and insert the sleeve.



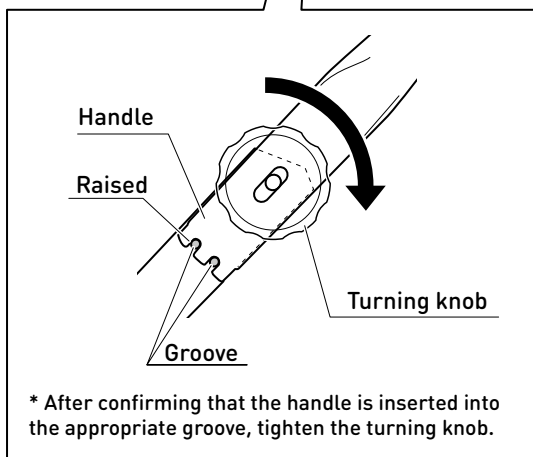
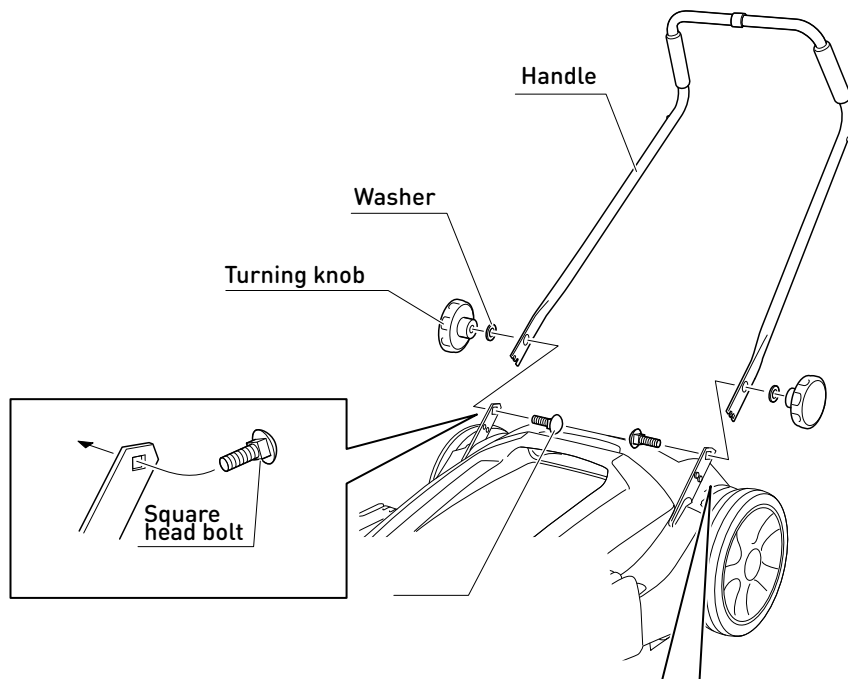
5. Insert the plug in the opposite side of the sleeve to fix it.



HANDLE INSTALLATION

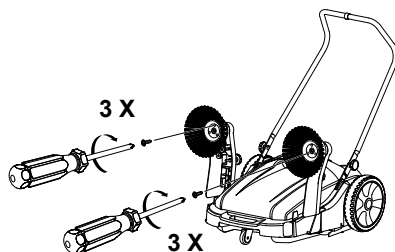
Install the handle on the machine body.

The angle of the handle can be adjusted in 3 positions.

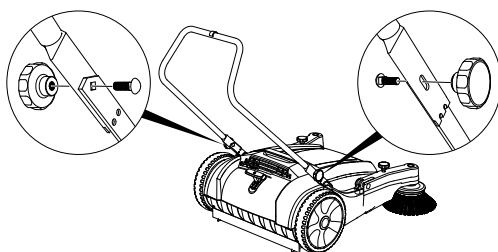


HOW TO USE

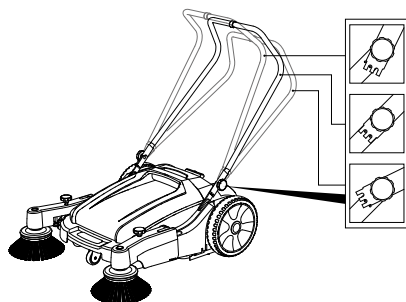
1. Take the brushes out of the debris container and install using 3 screws each.



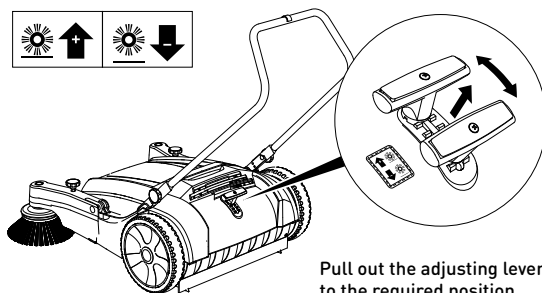
2. Retaining screw for push handle adjusting.



3. Three-position adjustable handle for operator comfort and convenience.

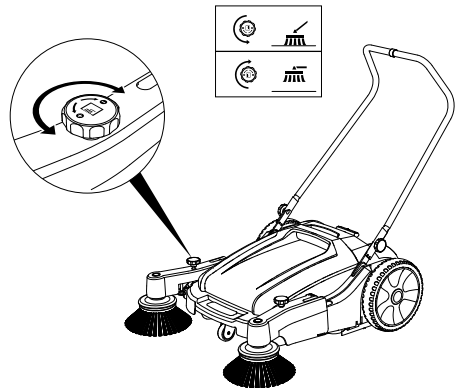


4. Adjustable roller broom height with 6 different positions.

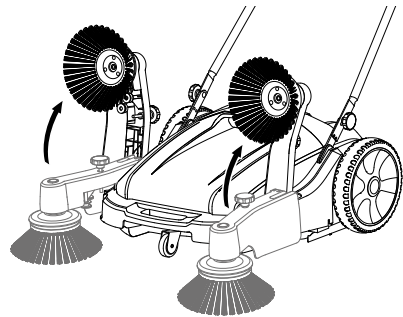


Pull out the adjusting lever to the required position

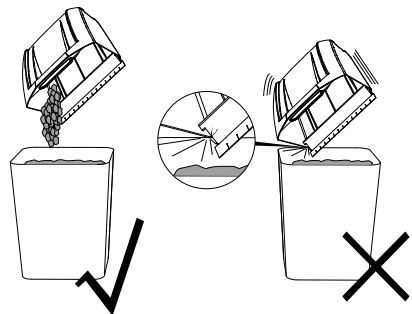
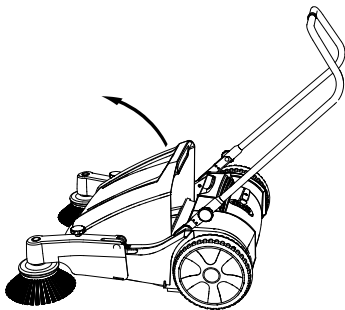
5. Adjust side broom pressure using the hand knob on the mounting arm.



6. Adjustable side broom swings out of the way when use is not required.



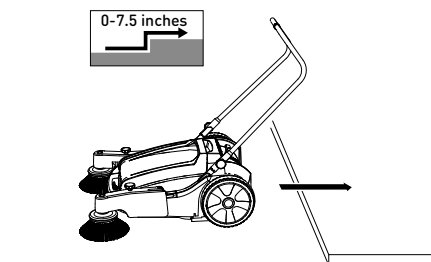
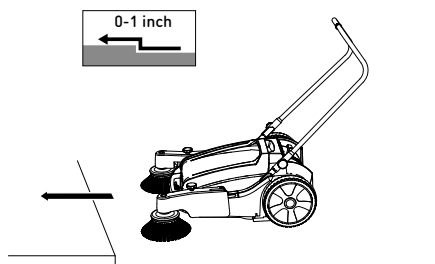
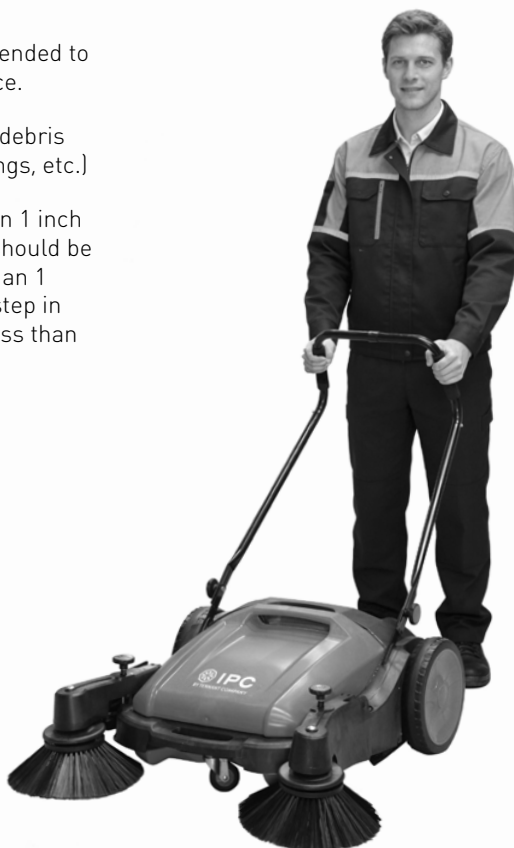
CONTAINER DETACH AND EMPTY



- A. Lift debris container handle and remove from machine.
- B. It is suggested to collect all the debris to one side prior to emptying
- C. Avoid banging container as this can cause damage

OPERATION

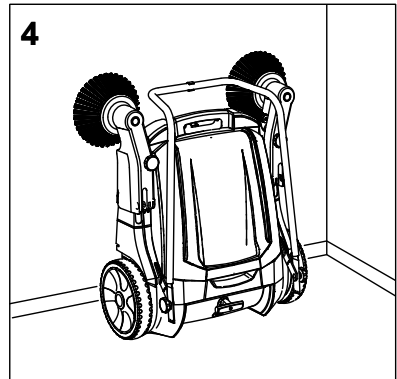
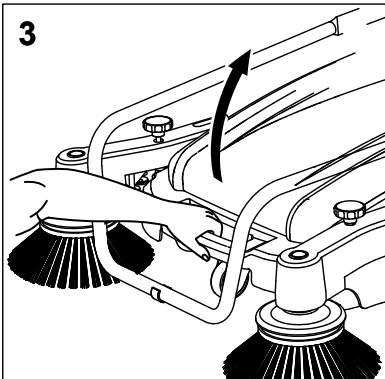
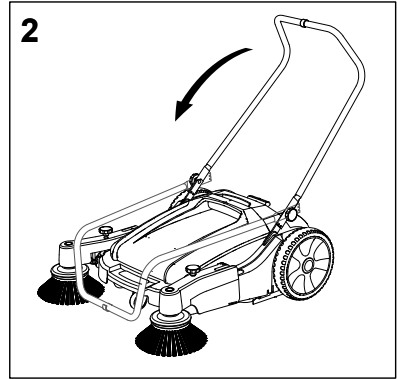
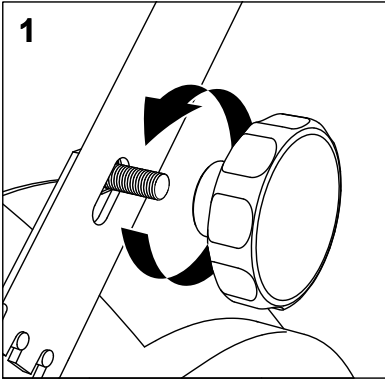
1. Push by hand only, it is recommended to move at a comfortable walking pace.
2. Suitable for fine dust and small debris (such as sand, lint, sawdust, shavings, etc.)
3. The surface should be flat (within 1 inch difference). The cleaning surface should be flat with a height difference less than 1 inch. Walking the sweeper over a step in the opposite direction should be less than 7.5 inches.



STORAGE

Space Saving Storage.

Folds completely flat for convenient storage.



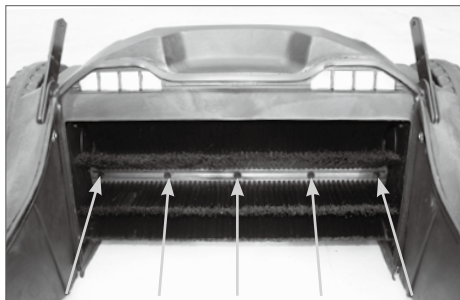
TROUBLESHOOTING

Fault	Solution
Unsatisfactory sweeping result	Empty debris container Adjust height of main brush/clean/replace Adjust height of side brush/clean/replace Check/replace the drive belt for side brush

PARTS REPLACEMENT

MAIN BRUSH

To dismantle the main brush, unscrew all 10 retaining screws. The two main brush half-shells can then be taken out.

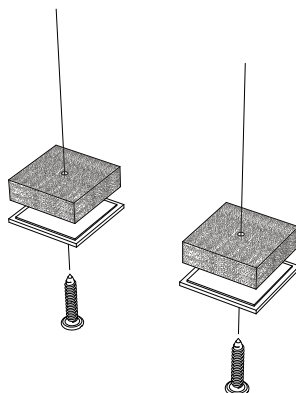
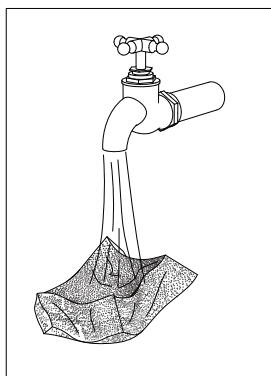


FINE FILTER CLEAN AND REPLACEMENT

Pull out the retaining pin and remove the fine filter for cleaning or replacement.



Do not use chemicals—warm water only. Make sure the filter is completely dry prior to installing back in the machine.



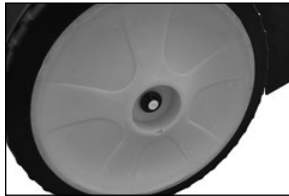
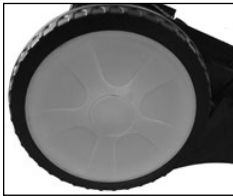
WHEEL

1) Use a screwdriver to unclip the cap cover in the middle of the wheel

2) Use wire cutting pliers to disconnect and remove the lock washer

NOTE: The lock washer is broken when removed. A new lock washer must be used to reinstall the wheel.

3) The wheel can be pulled off the axle

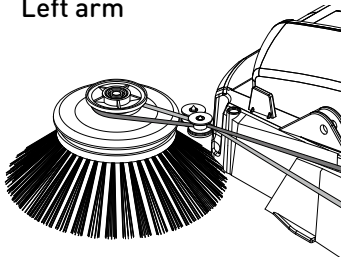


ROUND BELT

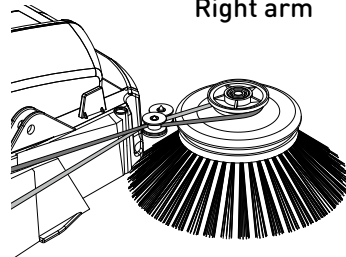
When installing the drive belt pay attention to the rotational direction of the side brush. When moving forward the side brush must rotate towards the inside.



Left arm



Right arm



GROUND LIP

Unscrew all retaining screws.
The ground lip can then be taken out.



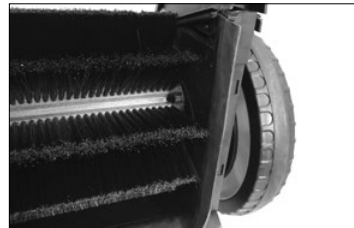
REAR SKIRTING

Unscrew all retaining screws.
The rear skirting can then be taken out.



SKIRTING

Unscrew all retaining screws.
The skirting can then be taken out.



MAINTENANCE

The broom can be rinsed with plain water, avoid using hot water or high pressure air.

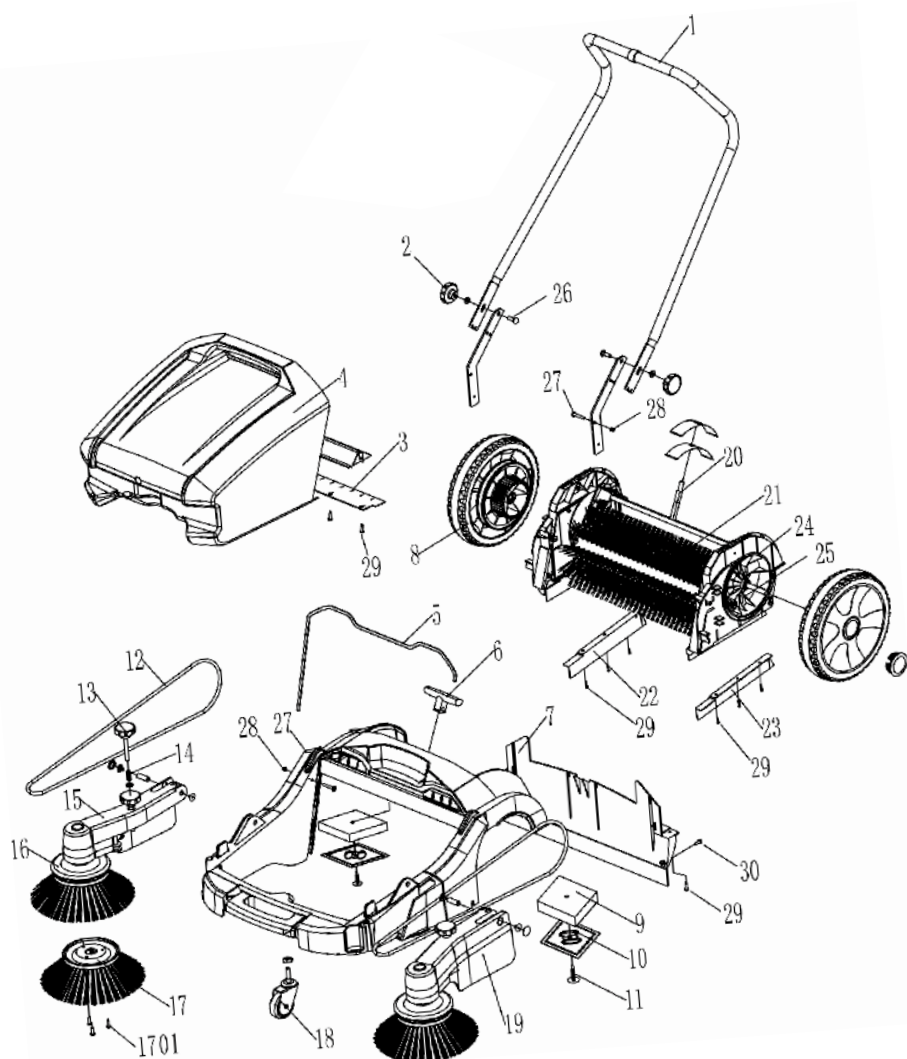
Sweeper body can be wiped down with a clean rag and water.

Avoid storing the sweeper in direct sunlight.

After the machine has been used for 10 hours check the tightness of the front caster with included wrench.



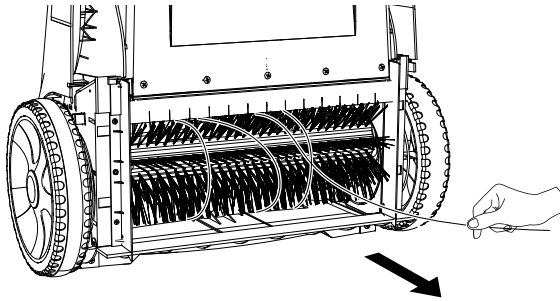
EXPLODED DRAWING



Item No.	Part number	Description
1	JL9201	Handle
2	JL9202	Turning knob
3	JL9203	Ground Lip
4	JL9204	Container
5	JL9205	Seal Rubber
6	JL9206	Adjusting Lever
7	JL9207	Rear Skirting
8	JL9208	Wheel
9	JL9209	Filter
10	JL9210	Filter covering cap
11	JL9211	Plug
12	JL9212	Round belt
13	JL9213	Adjusting Turning Knob
14	JL9214	Spring and washer for side brush
15	JL9215	Arm right
16	JL9216	Side brush base mounting plate
6	JL9217	Side brush
18	JL9218	Castor
19	JL9219	Arm left
20	JL9220	Height adjusting arm
21	JL9221	Rolling brush complete
22	JL9222	Skirting 1
23	JL9223	Skirting 2
24	JL9224	wheel support complete(left)
25	JL9225	Gear
26	JL9226	Bolt
27	JL9227	Screw
28	JL9228	Nut
29	JL9229	Screw
30	JL9230	Screw
31	JL921701	Screw

NOTE:

1. This unit is designed for hard flooring. Some carpet may not be suitable;
2. Before using, make sure the unit is in good and safe condition;
3. The sweeper is not suitable for sweeping up liquids. Do not sweep up burning or glowing objects, e.g. cigarettes, matches or similar;
4. Heavy stone and large size debris may not be picked up;
5. Avoid sweeping string, stretch wrap, or other long fibers to prevent tangling or damage. If this happens, remove by reversing the roller brush.

**SAFETY WARNINGS**

1. When operating near people, make sure work area remains clear.
2. Not to be used by children.
3. Keep hair, clothing, and body away from debris opening.
4. Always wear closed toe shoes when operating.
5. Do not sweep any hot or burning debris to avoid fire and personal injury.
6. Do not sweep flammable, explosive, or hazardous debris.
7. Do not operate or store near heat sources.
8. Store in a secure, dry place away from direct sunlight.



IPC

BY TENNANT COMPANY

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To view, print or download the parts manual, visit:
www.ipcworldwide.com/us/service-manuals/