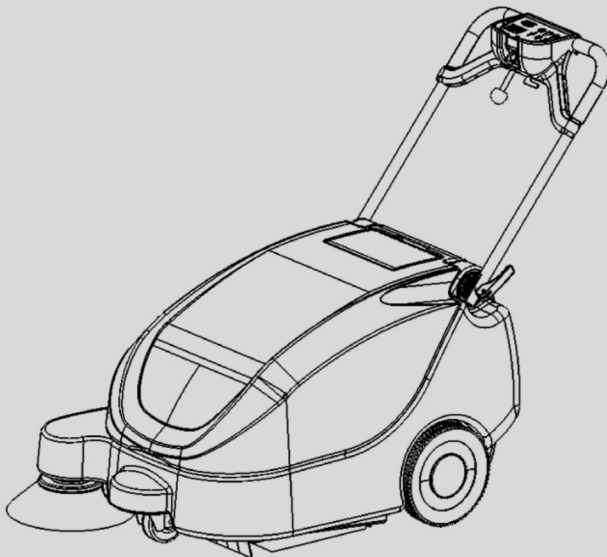




US-5

Battery Powered Push Sweeper



Operator and Parts Manual **EN**



Introduction

This manual is furnished with each new model. It provides necessary operation and maintenance instructions and replacement parts information.



Read all instructions before using this machine.

Intended Use

This battery powered push sweeper is intended for commercial use, for example in buildings, warehouses, parking lots and sidewalks. It is designed for indoor and outdoor use and suitable for picking up dry, nonflammable dust and debris on dry hard floor and carpet surfaces. It is not suitable for wet surfaces or for picking up flammable or hazardous materials.

General Information

This machine will provide excellent service. However, the best results will be obtained at minimum costs if:

- The machine is operated with reasonable care.
- The machine is maintained regularly - per the machine maintenance instructions provided.
- The machine is maintained with manufacturer-supplied or equivalent parts.



Protect the Environment

Please dispose of packaging materials and used machine components in an environmentally safe way according to local waste disposal regulations.



Always remember to recycle.

Technical Specifications

Model	S5
Length	923 mm / 37 in
Width	650 mm / 25 in
Height	557 mm / 22 in
Weight	55 kg / 121 lb
Sweeping Path Width	620 mm / 24 in
Main Brush Width	400 mm / 16 in
Side Brush Diameter	300 mm / 12 in
Hopper Capacity	37 L / 9.8 Gal
Battery Capacity	12 V, 50 Ah
Total Power Consumption	12 VDC, 230 W, 12.6 A
Battery Charger	100-240VAC 8A
Productivity Rate (Net)	1290 m ² /hr / 13850 ft ² /hr
Slope Maximum	2%
Machine Vibration at Hand-arm *	<2.5m/s ²
Machine Vibration Uncertainty K *	0.8 m/s ²
Sound Pressure Level L _{PA} *	62 dBA
Sound Uncertainty K _{PA} *	3 dBA
Sound Power Level L _{WA} + Uncertainty K _{WA} *	81 dB(A)
Protection Grade	IPX3
Operation Temperature	min. -15°C, max. 40°C

Specifications and parts are subject to change without notice.

Machine Data

Please fill out at time of installation for future reference.
 Model No. - _____
 Serial No. - _____
 Installation Date - _____

IMPORTANT SAFETY INSTRUCTIONS (SAVE THESE INSTRUCTIONS)



This symbol warns the operator of hazards and unsafe practices which could result in severe personal injury or death.



WARNING: To Reduce the Risk of Fire, Explosion, Electric Shock, or Injury:

- Do not use near flammable liquids, vapors or combustible dusts.

The machine is not equipped with explosion proof motors. The electric motors will spark upon start up and during operation which could cause a flash fire or explosion if machine is used in an area where flammable vapors/liquids or combustible dusts are present.

- Do Not Pick Up Flammable or Toxic Materials and Burning Debris.

- Batteries Emit Hydrogen gas. Keep Sparks and Open Flame Away When Charging Batteries.

- Charge batteries in a well ventilated area.

- Disconnect Battery Cable and Charger Cord Before Servicing.

- Do Not Charge Batteries with Damaged Cord. Do Not Modify Plug.

- Do Not Use On Wet Surfaces. Store Indoors.

The following safety precautions signal potentially dangerous conditions to the operator or equipment.

FOR SAFETY:

1. Do not operate machine:

- Unless trained and authorized.
- Unless operator manual is read and understood.
- Unless mentally and physically capable of following machine instructions.
- In areas that are too dark to safely see the controls or operate the machine.
- If not in proper operating condition.
- Without hopper and/or filter in place.

2. Before operating machine:

- Make sure all safety devices are in place and operate properly.

3. When operating machine:

- Use only as described in manual.
- Do not pick up objects such as cords, strings, wires that may entangle brush.
- Report machine damage or faulty operation immediately.
- Do not leave unattended or on an unlevel surface.
- Do not allow children to play on or around machine.
- Keep children and unauthorized persons away from machine when in use.

- Go slow on slippery surfaces.
 - Do not operate on inclines that exceed 2 %.
 - Do not use machine to transport people or objects.
 - Wear a dust mask, protective glasses and gloves in dusty environments.
 - Keep hands away from spinning brush.
 - Use caution when lifting full hopper to avoid back strain.
 - Wear heavy gloves when removing sharp objects from hopper.
 - Turn machine power off if brush becomes obstructed or machine malfunctions.
4. Before leaving or servicing machine:
- Stop on level surface.
 - Turn the main power button to the off position.
5. When servicing machine:
- Turn the main power button to the off position.
 - Disconnect battery cable and charger cord before working on machine.
 - Wear protective gloves and glasses when handling batteries or battery cables.
 - Avoid contact with battery acid.
 - Use manufacturer supplied or approved replacement parts.
 - All repairs must be performed by a qualified service person.
 - Avoid moving parts. Do not wear loose clothing or jewelry and secure long hair.
 - Do not power spray or hose off machine near electrical components.
 - Do not modify the machine from its original design.
 - All work must be done having enough visibility and/or appropriate lighting.
 - Wear personal protective equipment as needed.
6. When transporting machine:
- Turn the main power button to the off position.
 - Get assistance when lifting machine.
 - Use a loading ramp that will support the weight of the machine.
 - Do not wheel up or down stairs.
 - Use tie-downstraps to secure machine when transporting by vehicle.

Onboard Battery Charger Information

The onboard battery charger's charging profile is specifically configured for a 12V sealed GEL battery. When installing a replacement battery it is important to use the same battery type or damage to the battery and/or charger may result.

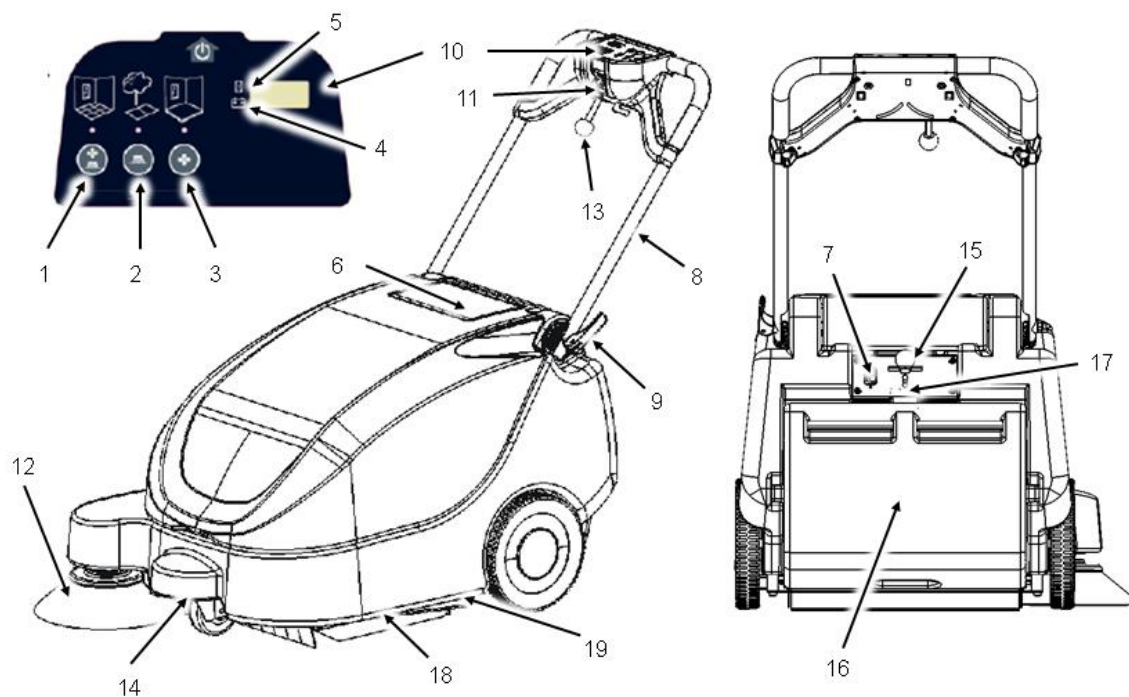
For battery charger operating instructions, refer to the battery charger manual supplied with the machine.

Safety Label

The safety label appears on the machine in the location indicated. Replace label if missing, damaged or illegible.

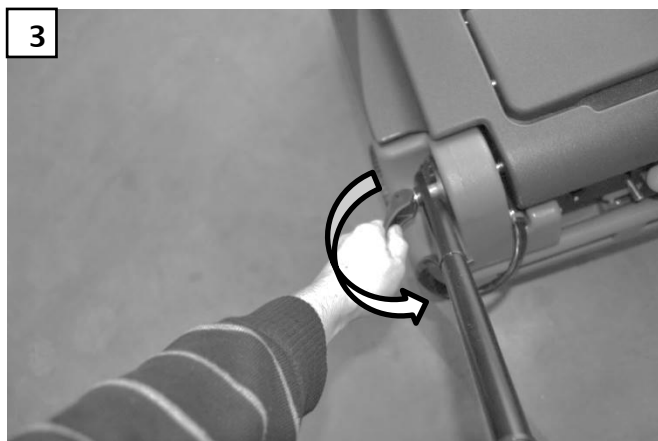
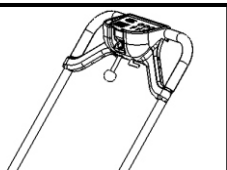
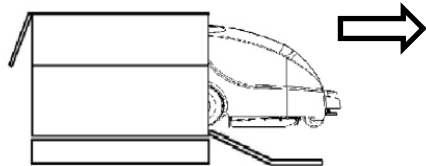
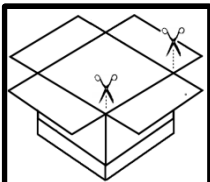
⚠ WARNING	
TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY: <ul style="list-style-type: none"> • Do Not Use Near Flammable Liquids, Vapors or Combustible Dusts. • Do Not Pick Up Flammable or Toxic Materials and Burning Debris. • Keep Sparks and Open Flame Away When Charging Batteries. • Disconnect Battery Cables and Charger Cord Before Servicing. • Do Not Charge Batteries With Damaged Cord. Do Not Modify Plug. • Do Not Use On Wet Surfaces. Store Indoors. 	
⚠ AVERTISSEMENT	
POUR RÉDUIRE LES RISQUES D'INCENDIE, DE CHOC ÉLECTRIQUE OU DE BLESSURE: <ul style="list-style-type: none"> • N'utilisez Pas Près de Liquides Inflammables, Vapeurs ou Poussières Inflammables. • Ne Ramassez Pas de Matériaux Inflammables ou Toxiques et de Déchets Enflammés. • Eloignez les Sources d'Étincelles ou de Flamme Ouverte Lors du Chargement des Batteries. • Débranchez les Câbles de Batterie et la Cordon du Chargeur Avant l'Entretien. • Ne Chargez Pas la Batterie Avec un Cordon Endommagé. Ne Modifiez Pas la Prise. • N'utilisez Pas Sur des Surfaces Humides. Entrez sous le Toit. 	
⚠ ADVERTENCIA	
PARA REDUCIR EL RIESGO DE INCENDIO, CHOQUE ELÉCTRICO, O LESIONES: <ul style="list-style-type: none"> • No Use Cerca De Líquidos Flamables, Vapores Ó Materiales Combustibles. • No Recoja Materiales Flamables Ó Tóxicos Ni Desechos Candentes. • Mantenga Chispas Y Fuego Alejados Mientras Carga Baterías. • Desconecte Cable De Batería Y Cable Del Cargador Antes Del Mantenimiento. • No Cargue Baterías Con Cable Dañado. No Altere El Enchufe. • No Lo Utilice En Superficies Húmedas. Guarde Bajo Techo. 	
1071275	

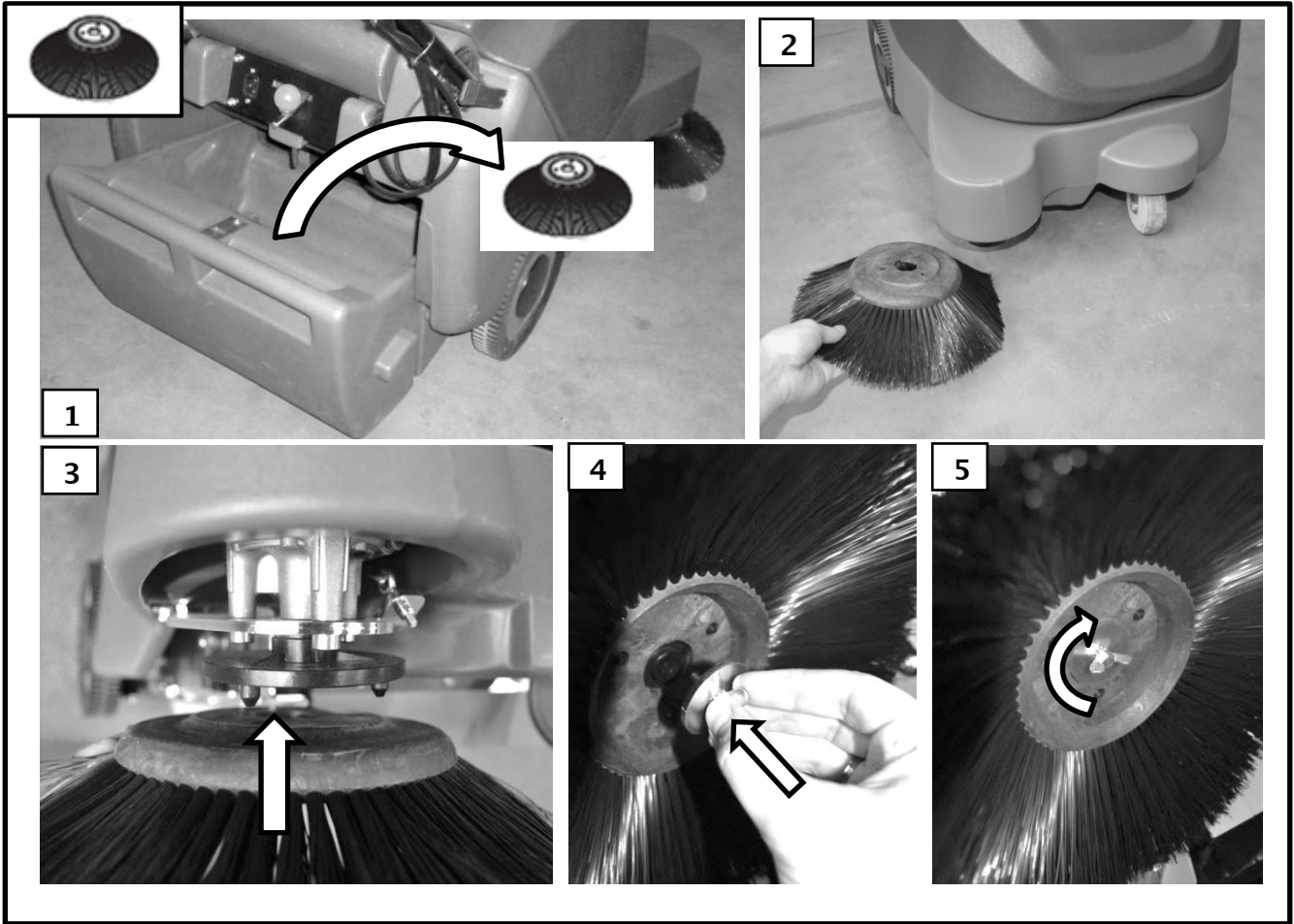


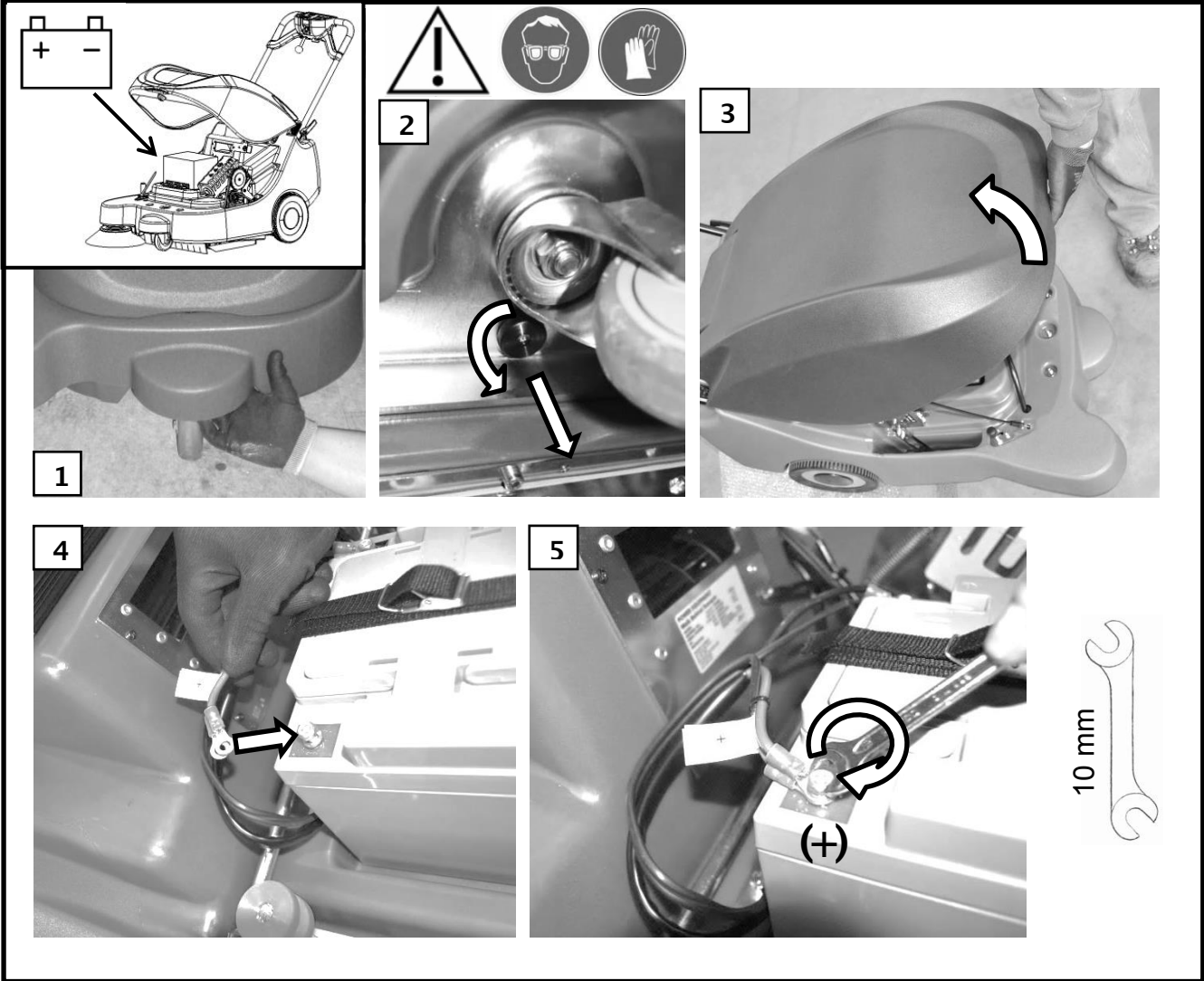


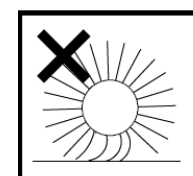
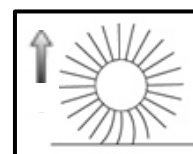
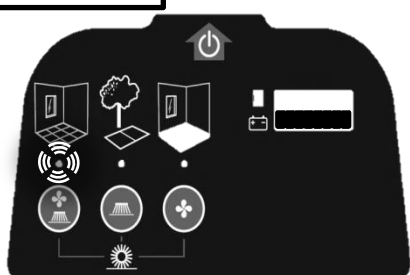
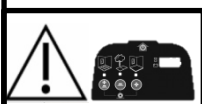
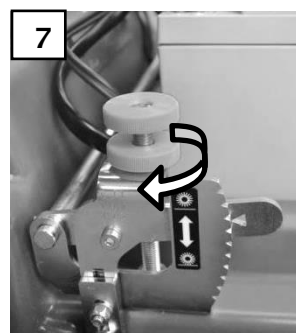
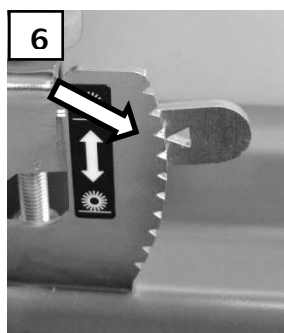
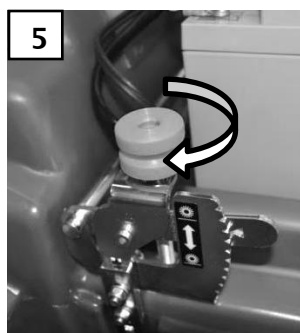
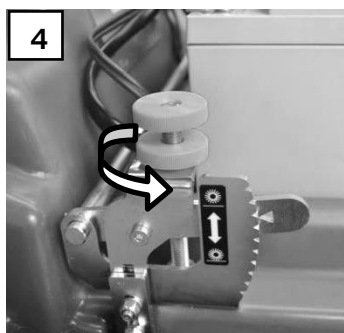
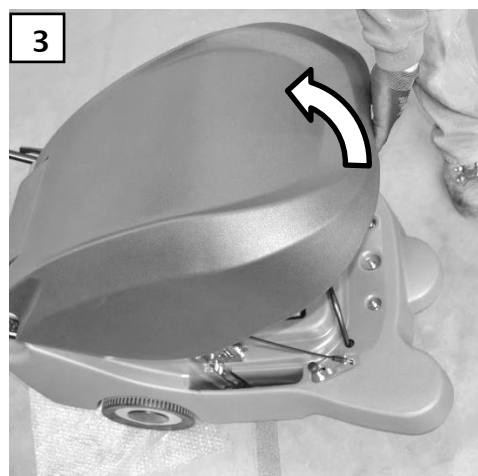
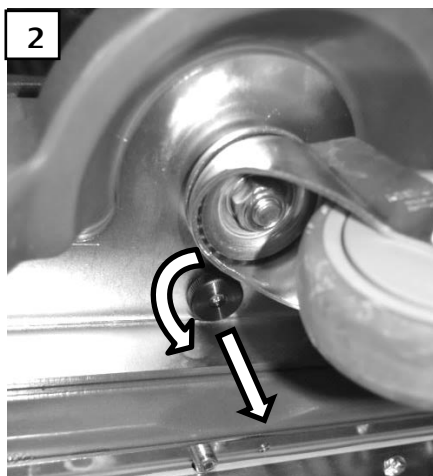
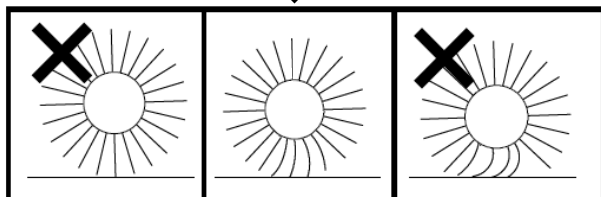
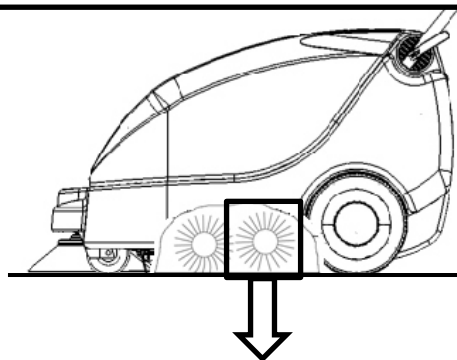
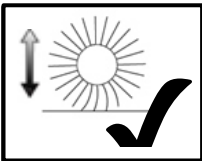
(EN) Machine Components

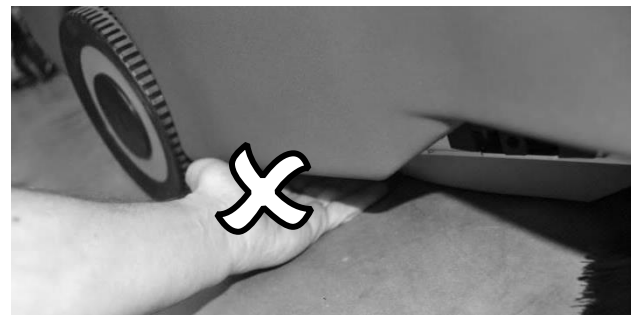
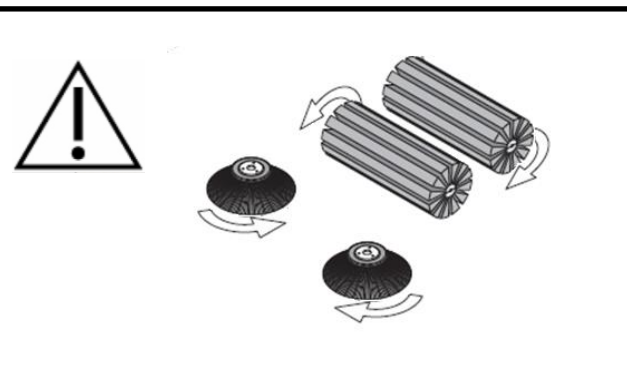
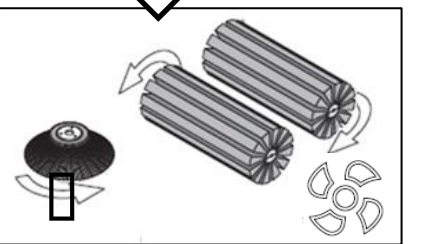
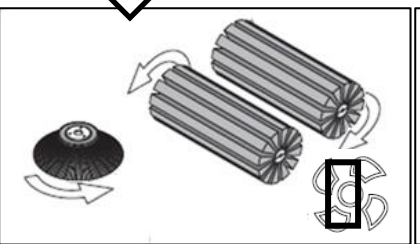
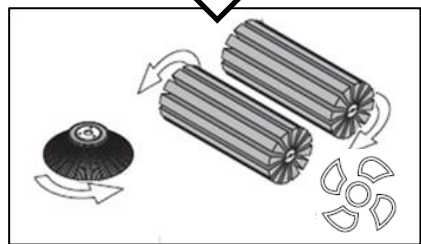
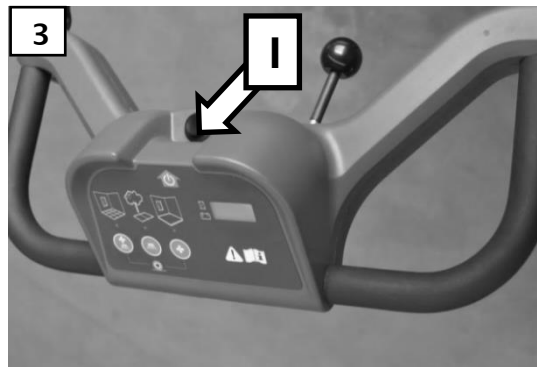
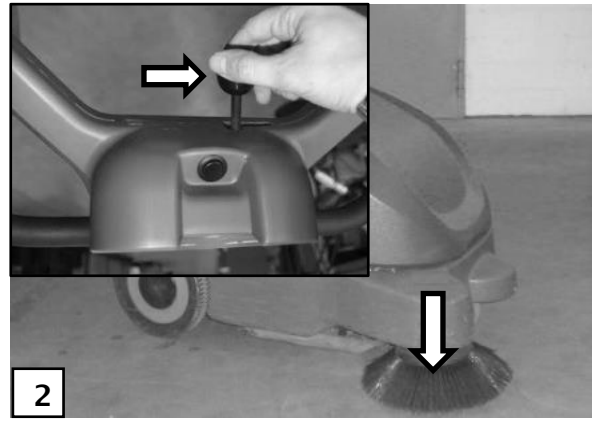
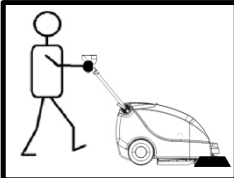
1. Vacuum, Side Brush, Main Brush Start Button
2. Side Brush, Main Brush Start Button
3. Vacuum, Main Brush Start Button
4. Battery Discharge Indicator
5. Hour Meter
6. Battery Charger Cord Storage Compartment
7. Battery Charger Outlet
8. Adjustable Control Handle
9. Adjustable Control Handle Lever
10. Control Panel
11. Main Power Button
12. Side Brush
13. Side Brush Lever
14. Internal Access Knob
15. Filter Shaker
16. Debris Hopper
17. Debris Hopper Release Lever
18. Dual Main Brushes
19. Anti-static Chain

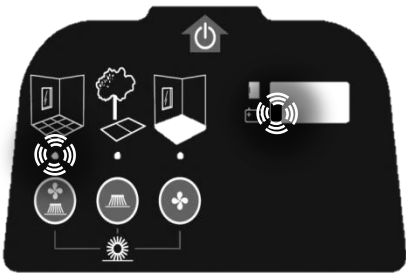
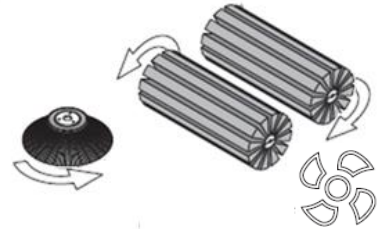
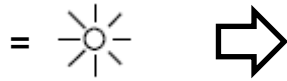
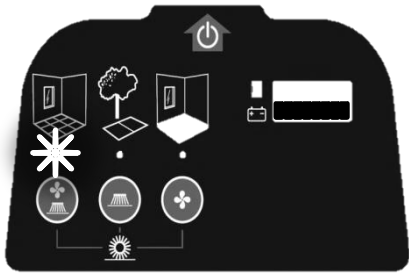
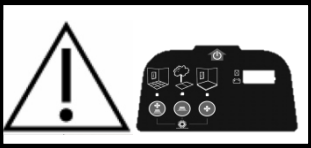




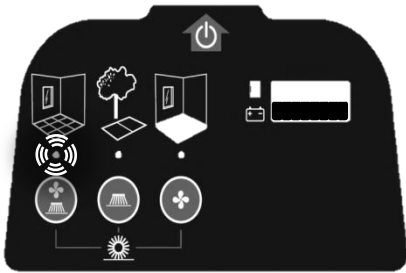
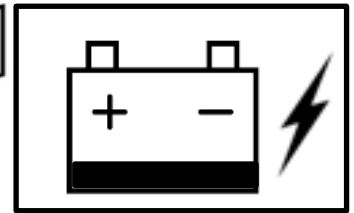




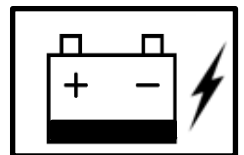
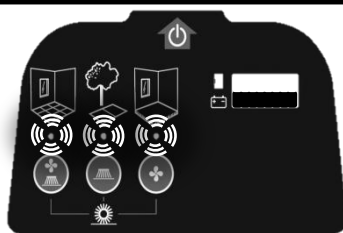
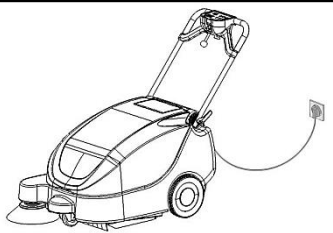
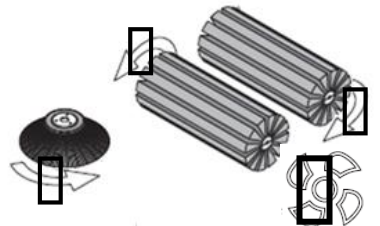
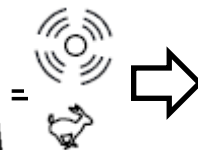
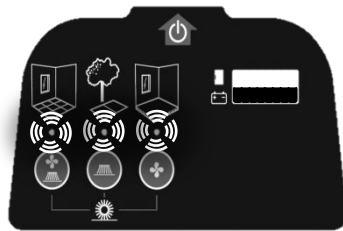
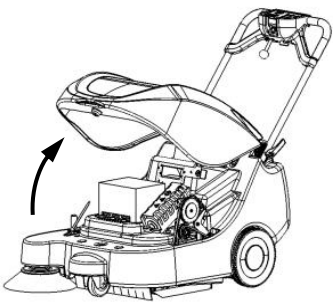
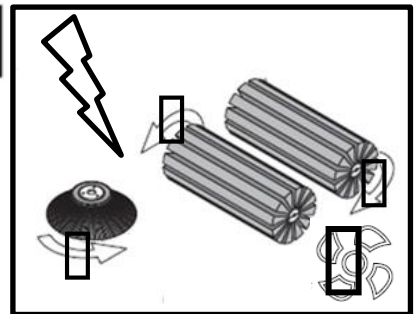




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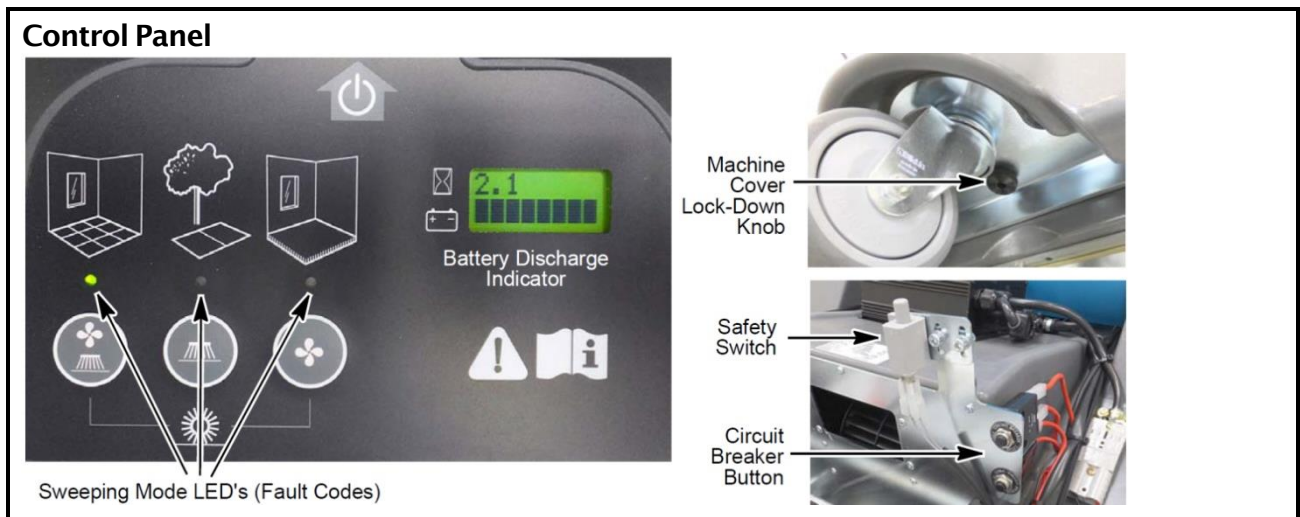


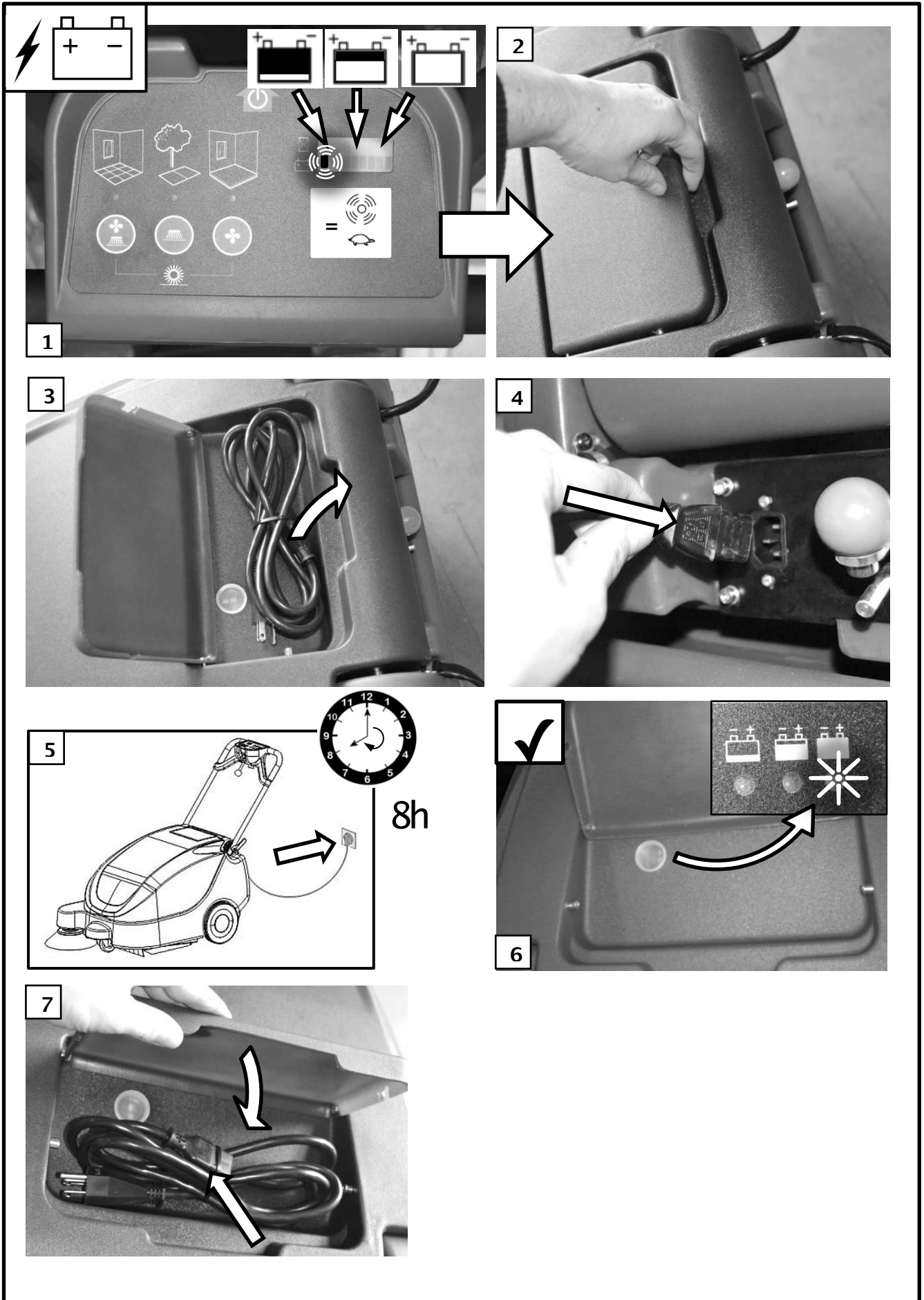
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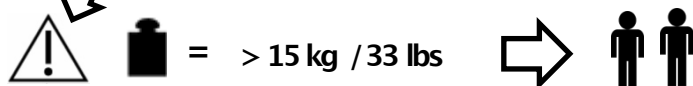
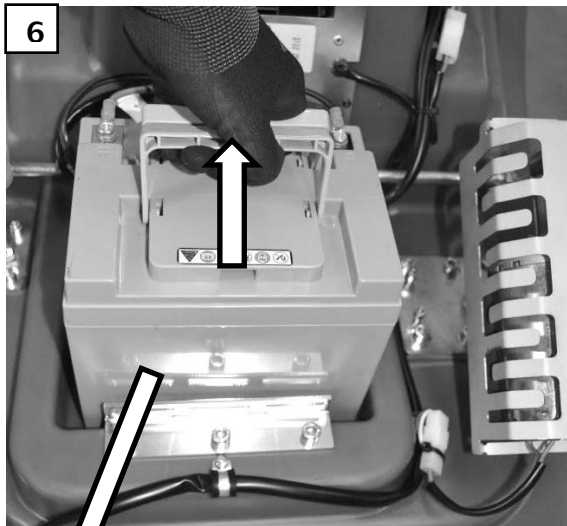
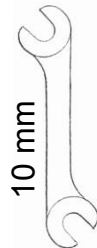
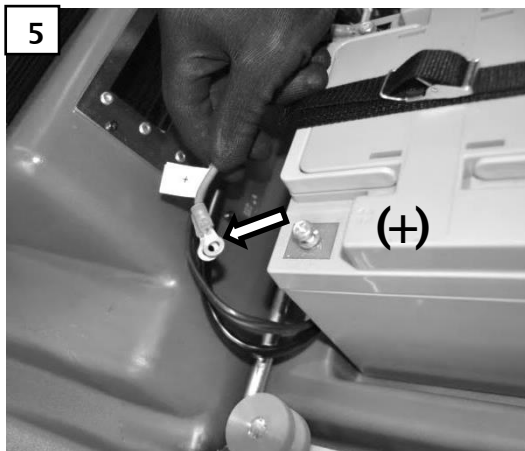
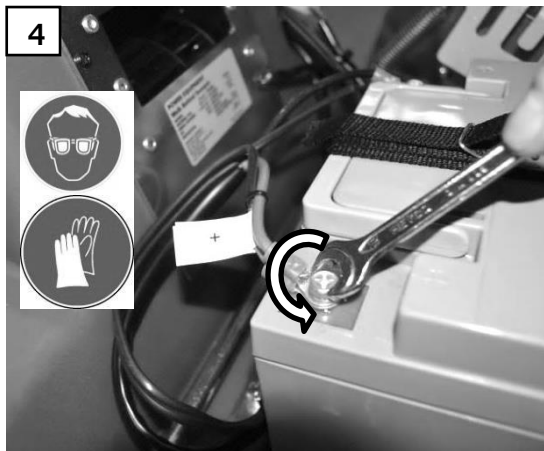
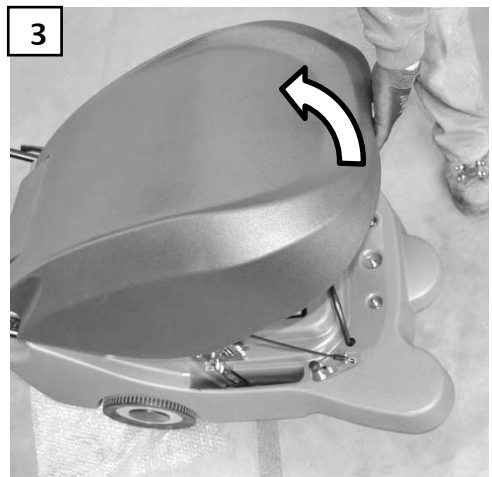
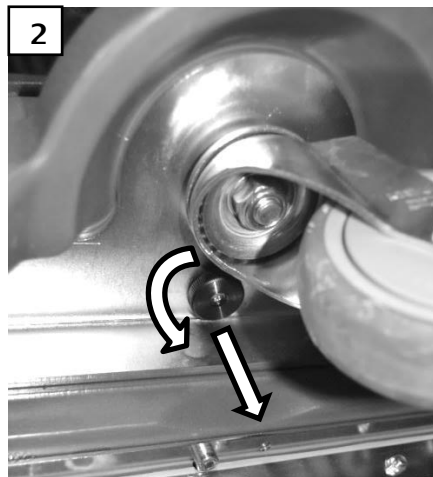
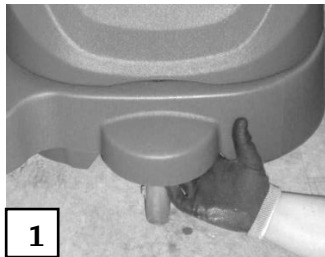
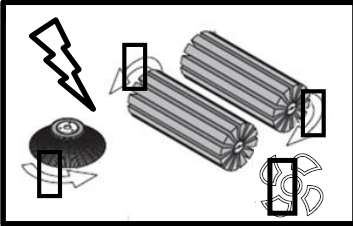


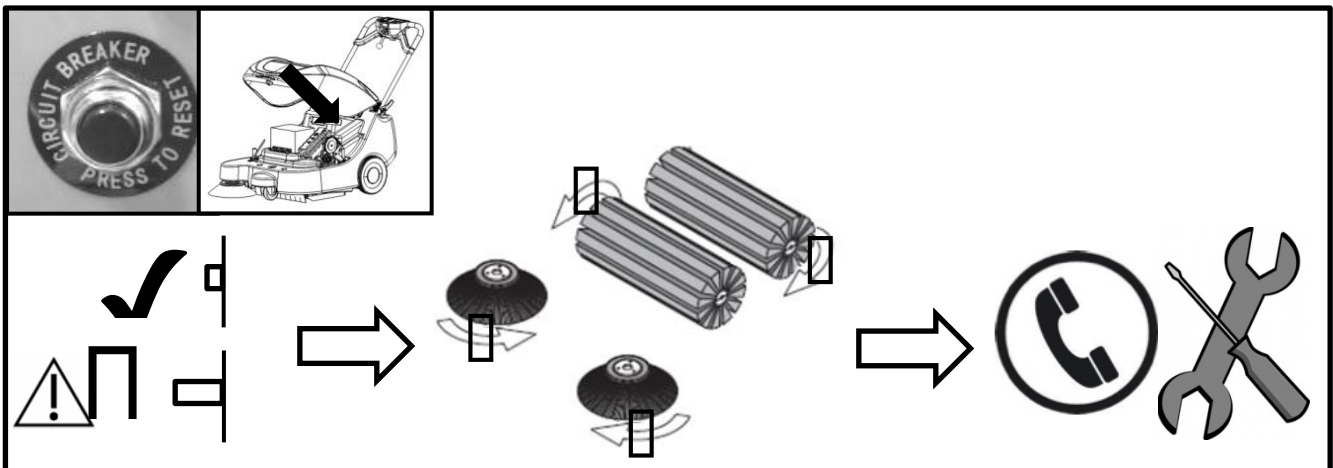
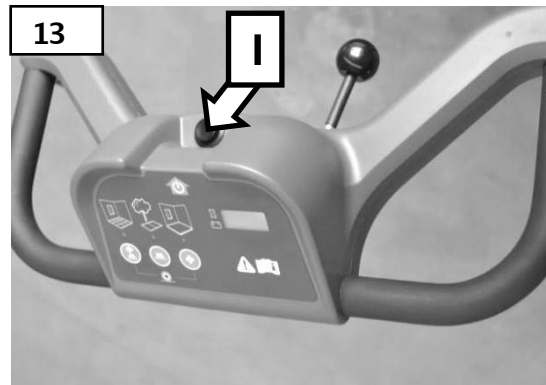
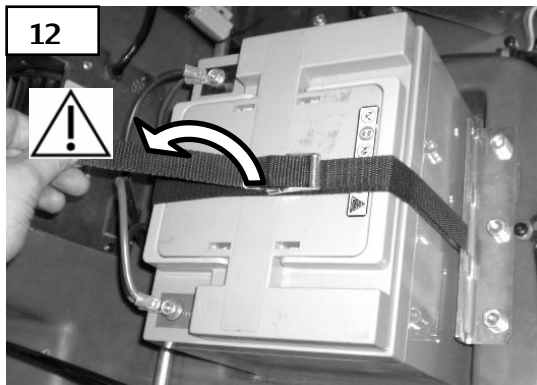
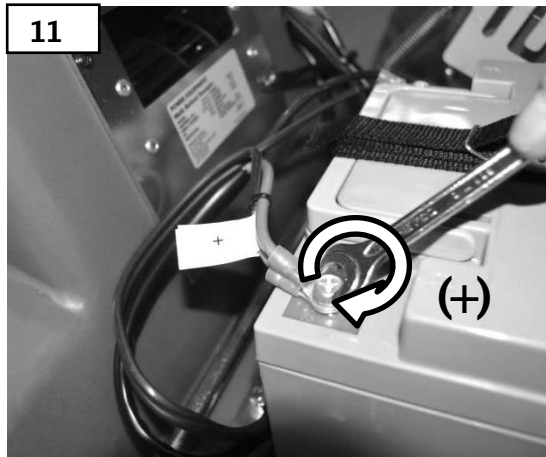
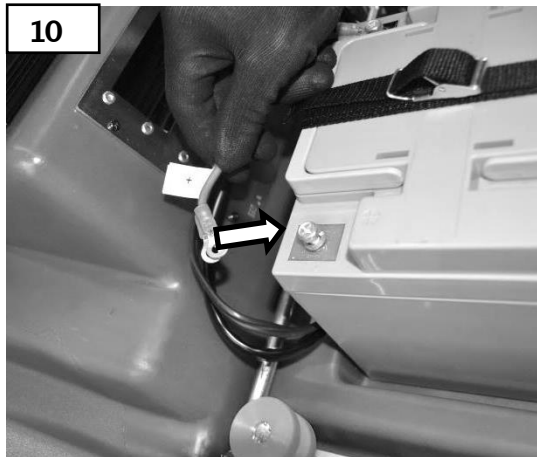
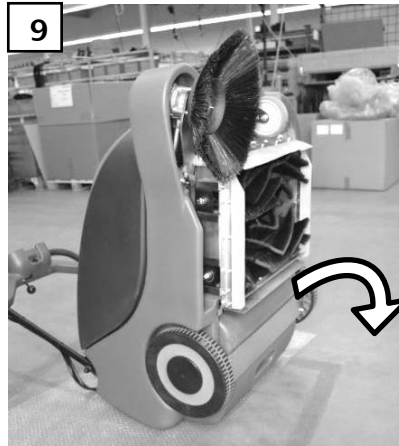
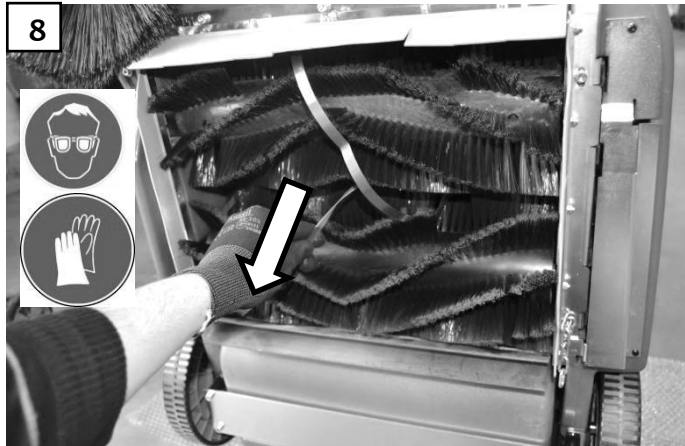
Control Panel LED Code Guide

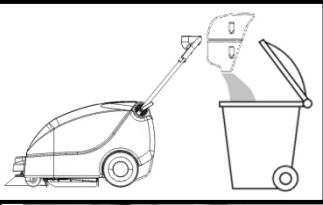
LED CODE	REASON / FAULT	SOLUTION
One sweeping mode LED is solid	Normal operating condition	No action required
One sweeping mode LED is flashing fast	Motor overload has shut down machine due to obstruction.	Disconnect battery cable and check main brush, side brush and fan. Remove obstruction. Reset circuit breaker button.
One sweeping mode LED is flashing slowly and battery discharge indicator is flashing	Low battery level.	Recharge battery.
All sweeping mode LED's are flashing fast	Machine cover is open. The safety switch has shut down machine.	Close machine cover.
	Machine is in charging mode. Battery charger is plugged into electrical outlet.	No action required or unplug battery charger.
	Defective battery.	Replace battery.
	Machine cover lock-down knob is loose.	Check lock-down knob to ensure knob is tight and machine cover is secure.
	Defective, misaligned or loose machine cover safety switch.	Check, adjust or replace switch.
	Defective motor(s) or loose electrical connection to motor.	Disconnect battery cable and check all motors for proper operation. Reset circuit breaker button.
	Loose or damaged electrical connection.	Disconnect battery cable and check electrical harness for loose or damaged wire connections.
	Main brush and side brush not properly adjusted.	Readjust main and/or brush height. Reset circuit breaker button.
	Motor overload, excessive belt tension.	Check belt tension for proper adjustment, replace belt if worn. Reset circuit breaker button.
	Worn or damaged main brushes.	Replace main brushes.











1



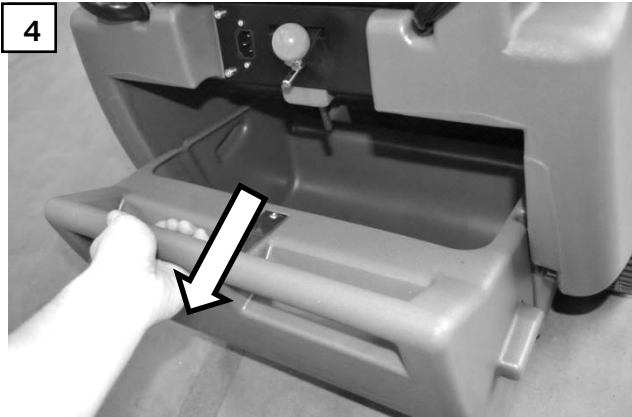
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3



4

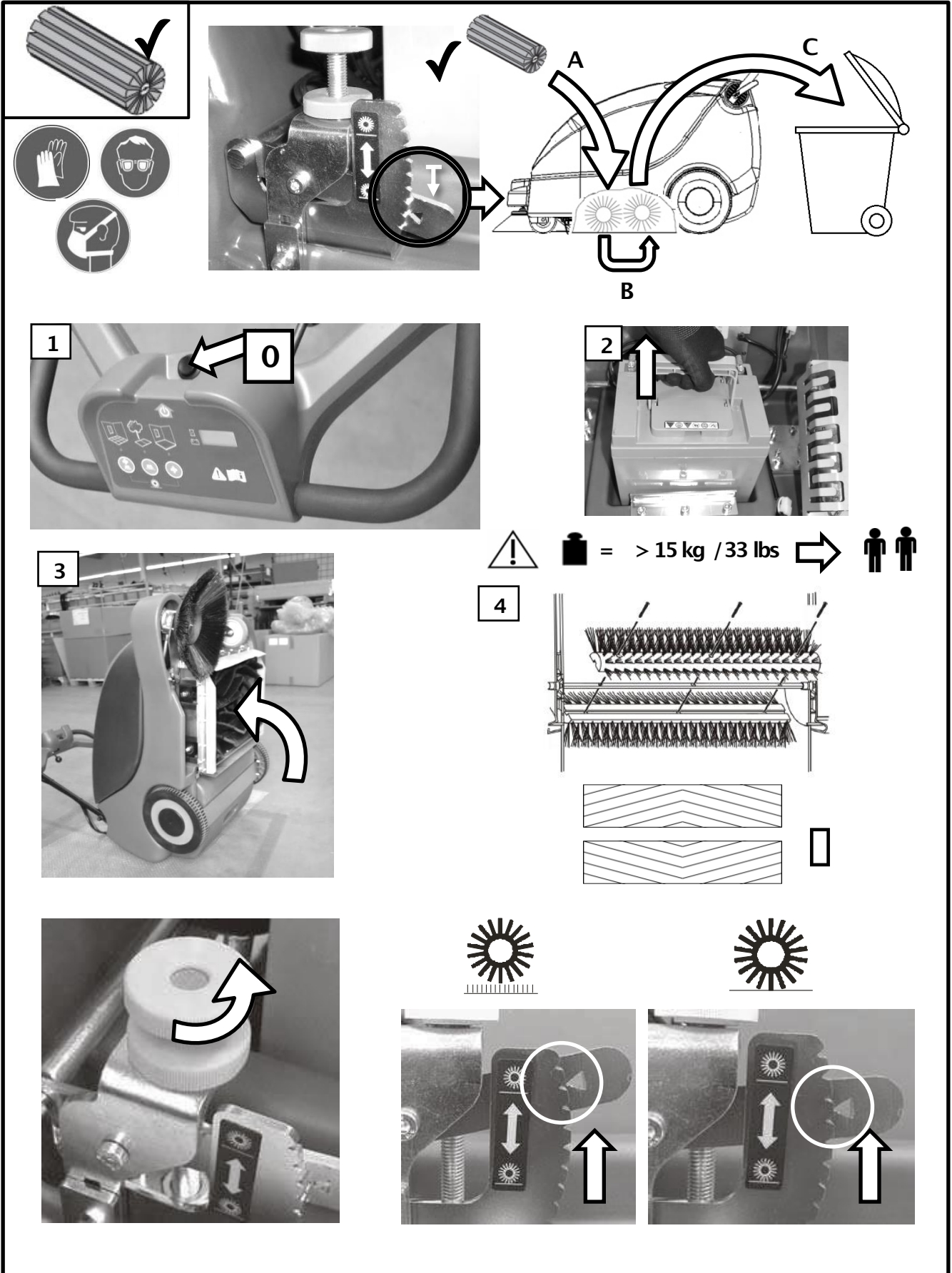


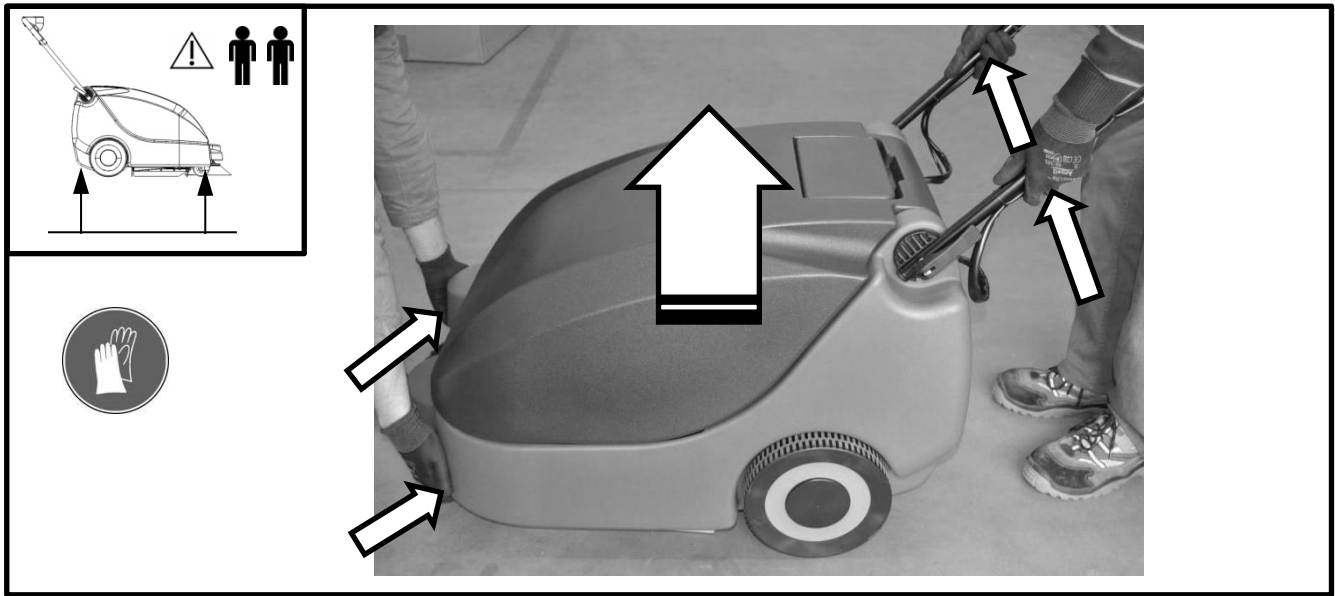
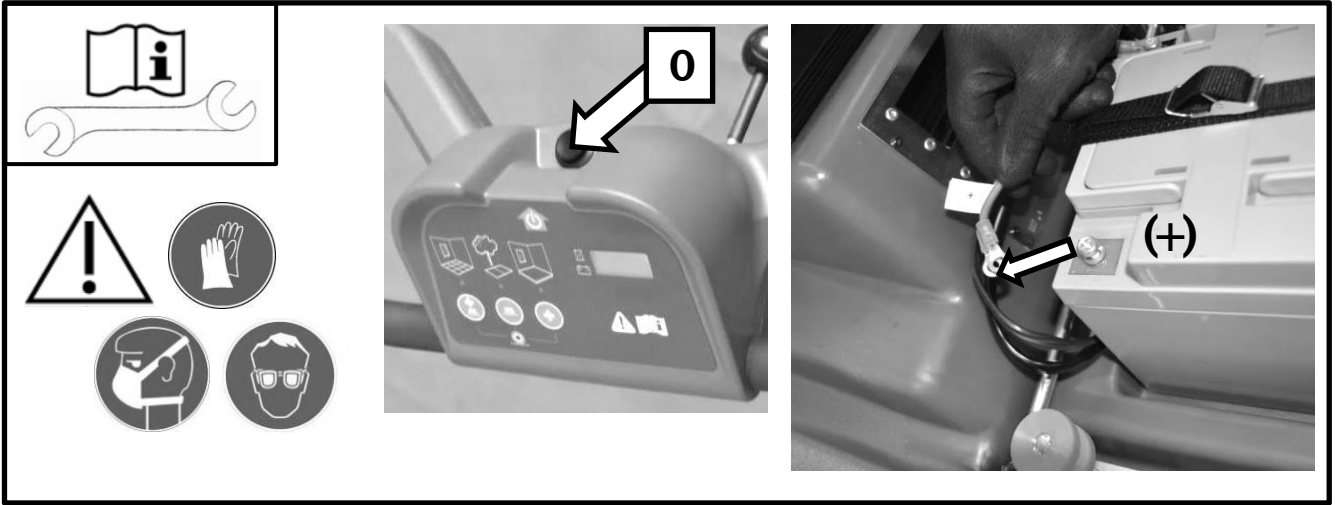
5




= > 15 kg / 33 lbs

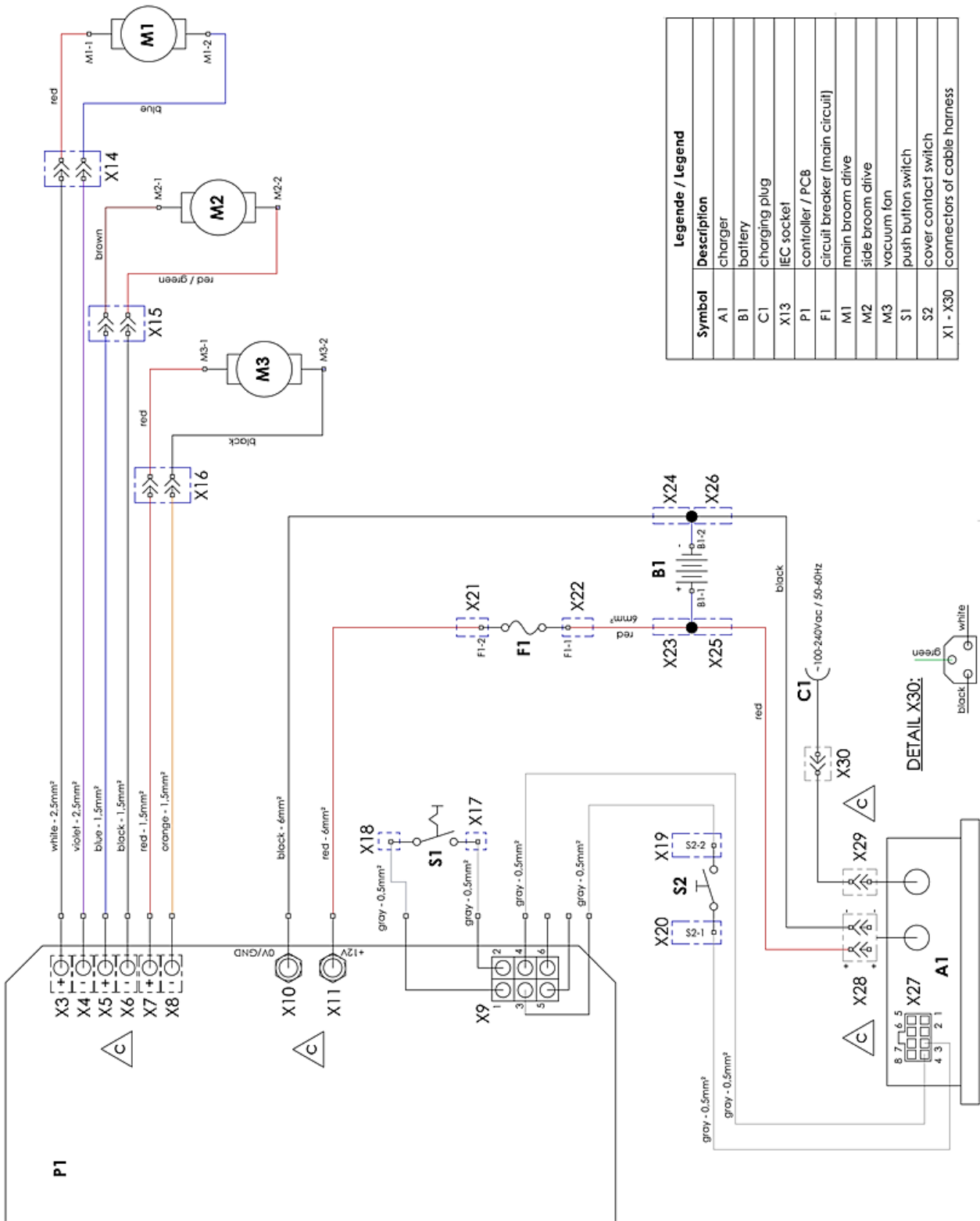




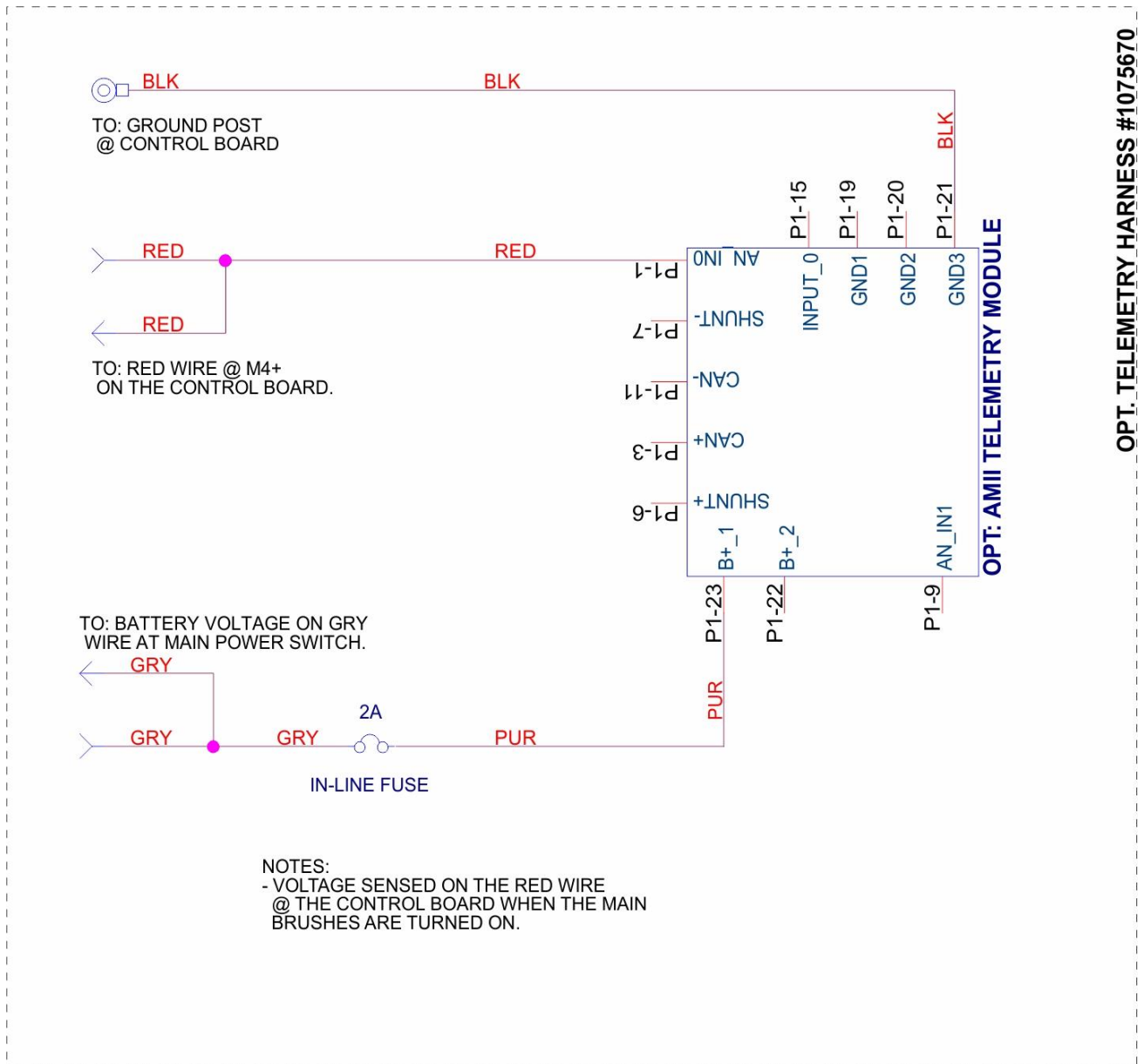


POWER EQUIPMENT			
Walk Behind Sweeper			
MODEL:	XX	POWER:	230 W
MATERIAL NO.:	XXXXXXX	VOLTAGE:	12 V
SERIAL NUMBER:	XX XXX XXX	CURRENT:	12,6 A
DC:	XXXX	WEIGHT-NET :	40 kg
PROTECTION:	IPX3	WEIGHT-	
		WITH BATTERY:	55 kg
		SOUND PRESSURE:	62 dB
			2% 
			Made in Germany

Electrical Diagram



Electrical Diagram IRIS Telemetry



OPT. TELEMETRY HARNESS #1075670

**OPTIONAL:
TELEMETRY ONLY**

Fig. 1 - Wheel, Caster and Main Brush Assy

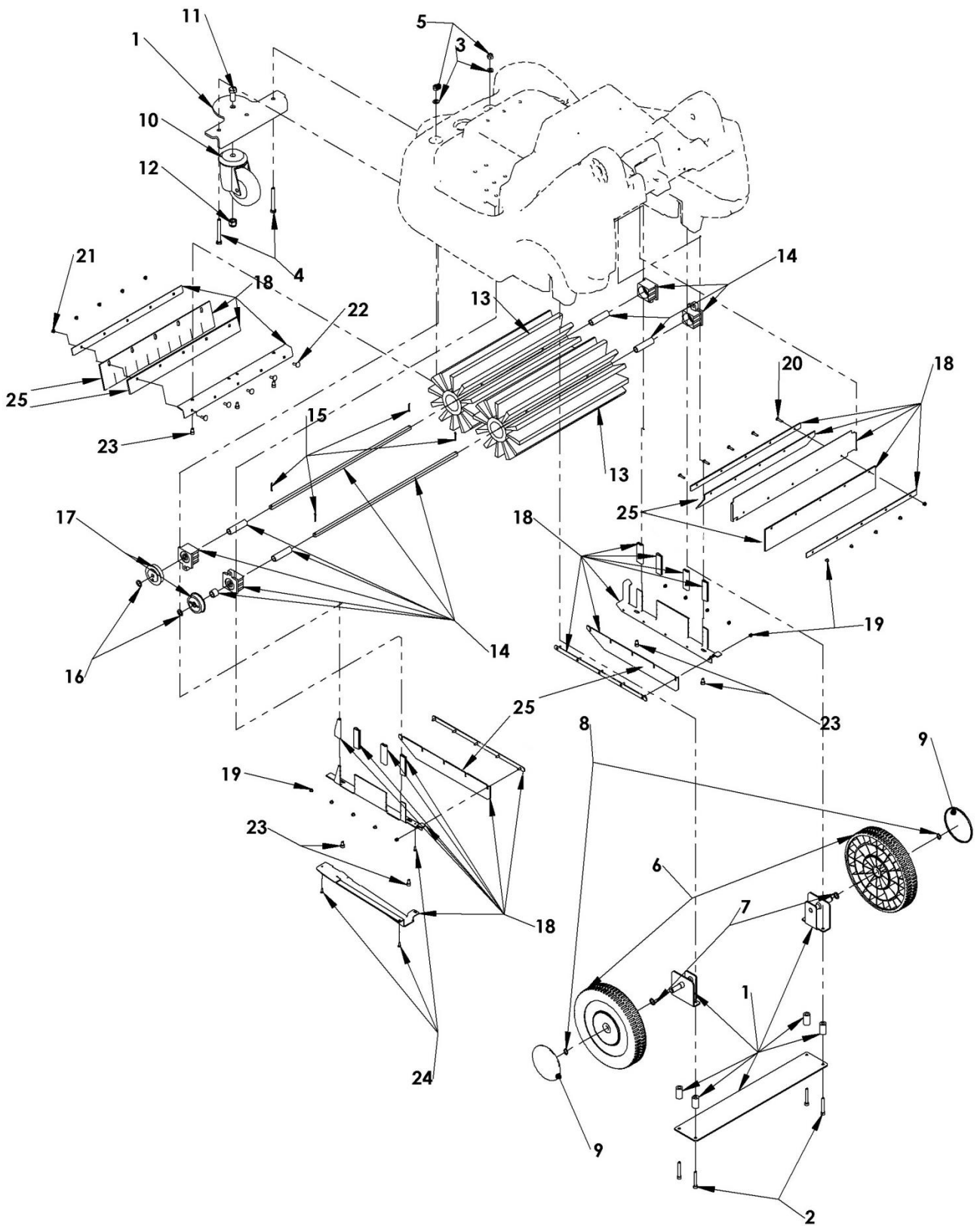


Fig. 1 – Wheel, Caster and Main Brush Assy

Ref.	Part No.	Description	Qty.	
▽	1	US9010079	Wheel MTG Kit (Includes Wheel Bracket Qty2, Bracket Qty1, Caster Bracket Qty1, Bushings Qty4 & Mounting Hardware)	1
▲	2	N/A	Screw, Soc, M6x1x45	4
▲	3	N/A	Washer, Flat M8	2
▲	4	N/A	Screw, Hex, M8x1.25x70	2
▲	5	N/A	Nut, Hex, Lock, M8	2
▽	6	US9010054 □	Wheel Kit (Includes Wheel Qty1 & Mounting Hardware)	2
▲	7	N/A	Washer, Flat M12x18x1	2
▲	8	N/A	Locking Ring D=12	2
▽	9	US9010056 □	Hub Cap Kit (Includes Hub Cap Qty2)	1
▽	10	9010058 □	Caster Kit	1
▲	11	N/A	Screw, Hex, M12x1.75x30	1
▲	12	N/A	Nut, Hex, Lock, M12	1
▲	13	US9010035 □	Brush Kit (Includes Brush Halves Qty2 & Mounting Hardware)	2
▽	14	US9010177	Brush Axle Kit (Includes Front Axle Qty1, Rear Axle Qty1, Pipes Qty4, Bearings kpl Qty4 & Mounting Hardware)	1
▲	15	N/A	Cotter Pin 2.5x20	4
▲	16	N/A	Washer, Flat M12x18x1	2
▲	17	US9010170	Pulley Kit Main Brush (Includes Pulley Z32Qty2, Pulley Z60Qty1, Double Pulley Z32 Qty1, Pulley Z20 & Mounting Hardware)	1
▽	18	US9010037 □	Brush Flap Kit (Includes Flaps Side Qty2, Front Qty2 and Rear Qty2, Brackets Qty10, Rubber Profiles Qty8 & Mounting Hardware) Note: Rubber Blades also included with Kit 9013450(Pos. 25)	1
▲	19	N/A	Nut, Hex, Lock M4	15
▲	20	N/A	Screw, Hex, M4x0.7x16	5
▲	21	N/A	Nut, Hex, Lock M5	5
▲	22	N/A	Bolt, Carriage, M5x0.8x16	5
▲	23	N/A	Screw, Soc, M6x1x10	7
▲	24	N/A	Screw, Pan 3.5x13 TCUT	3
▲	25	US9013450 □	Brush Flap Rubber Blade Kit (Includes Flaps Side Qty2, Front Qty2 and Rear Qty2)	1

▽ ASSEMBLY

▲ INCLUDED IN ASSEMBLY

□ RECOMMENDED STOCK ITEM

N/A Not Available Separately. Local Purchase.

Fig. 2 - Side and Main Brush Drive Assy

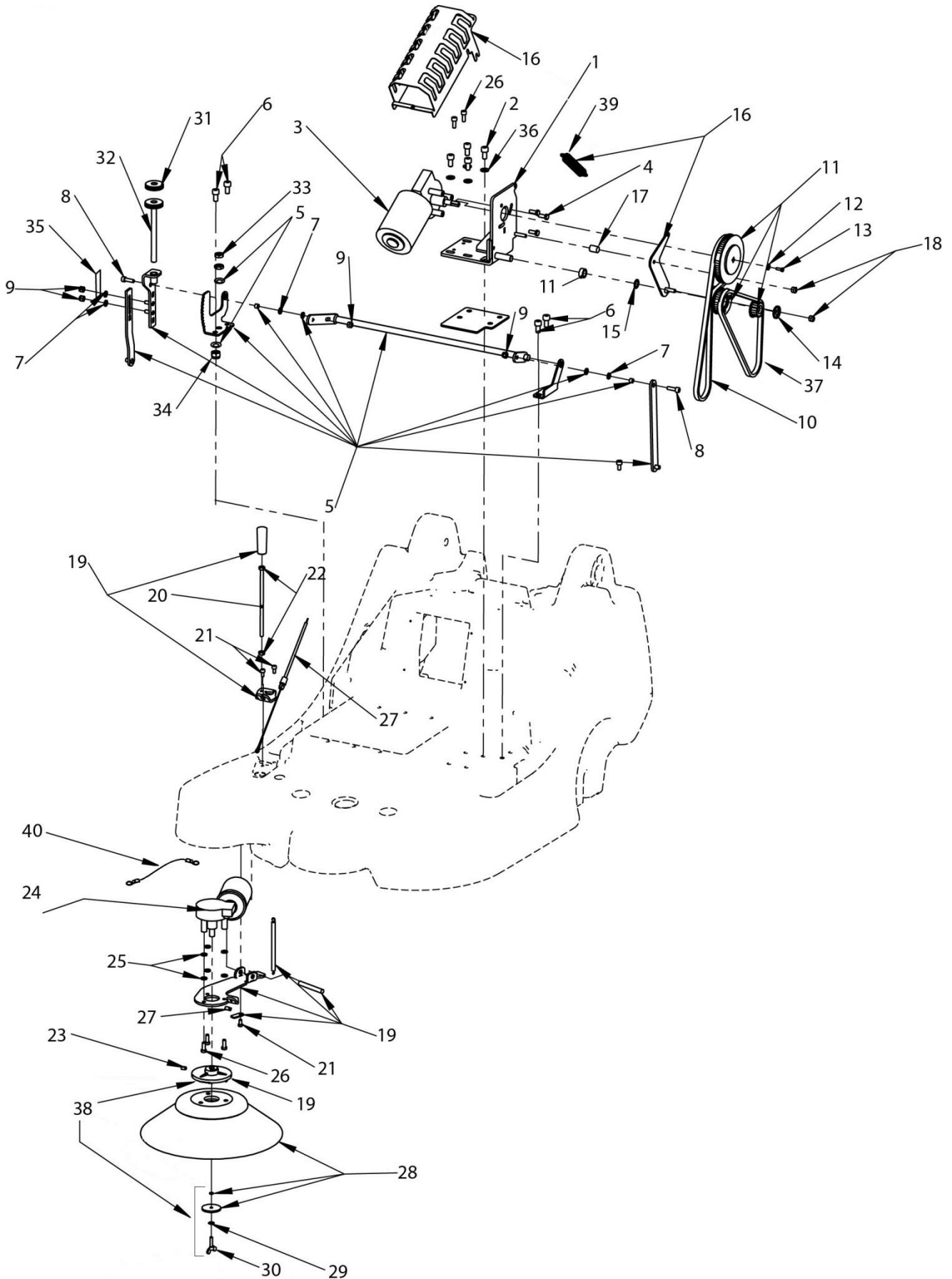


Fig. 2 – Side and Main Brush Drive Assy

Ref.	Part No.	Description	Qty.	
▽	1	US9010173	Bucket Kit Fan Battery (Includes Brackets Batt Qty2, Bracket Fan Qty1, Bracket Shaker Qty1, Bracket Brush Motor Qty1, AdjustmentPlate Qty1, Strap Qty1 & Mounting Hardware)	1
▲	2	N/A	Screw, Soc, M8x1.25x16	4
▽	3	US9010066 □	Motor Kit Main Brush (Includes Main Brush Motor Qty1, & Mounting Hardware)	1
▲	4	N/A	Screw, Lock, M6x1x16	3
▽	5	US9010172	Adjuster Kit Main Brush (Includes AdjustmentAxle Qty1, Bracket lh Qty 1, Bracket rh Qty1, Adjuster TopQty1, Adjuster Bottom Qty1, Lever Qty1 Bushing Qty2, Rubber disc Qty2 & Mounting Hardware)	1
▲	6	N/A	Screw, Soc, M8x1.25x16	4
▲	7	N/A	Washer, Flat M6	4
▲	8	N/A	Screw, Soc, M6x1x20	2
▲	9	N/A	Nut, Hex Lock, M6	4
	10	US9013456 □	Double Timing Belt 80cm	1
▽	11	US9010170	Pulley Kit Main Brush (Includes Pulley Z32Qty2, Pulley Z60Qty1, Double Pulley Z32 Qty1, Pulley Z20& Mounting Hardware)	1
▲	12	N/A	Washer, Flat M4	1
▲	13	N/A	Screw, Hex, M4x0.7x12	1
▲	14	N/A*	Retainment ring D=12	1
▲	15	N/A	Washer, flat, 12x18x1	1
▽	16	US9010171	Tensioner Kit, Brush Belt (Includes Tensioner Lever Qty1, Spring Qty1, Motor Guard Qty1 & Mounting Hardware)	1
▲	17	N/A	Spacer 18x6.4x12	1
▲	18	N/A	Nut, Hex, Lock, M6	2
▽	19	US9010194	Side Brush Bracket Kit (Includes Motor Bracket Qty1, AxleQty1, Axle Bracket Qty1, Side Brush Flange Qty1, Spring Qty1, Conical Head Qty1 & Mounting Hardware)	1
▲	20	N/A	Threaded Bolt M6x1x160	1
▲	21	N/A	Screw, Soc M5x0.8x10	3
▲	22	N/A	Nut, Hex,Std, M6	2
▲	23	N/A	Screw, Headless, M6x1x10	1
▽	24	US9010067 □	Motor Kit Side Brush(Includes Gear Motor Qty1, & Mounting Hardware)	1
▲	25	N/A	Washer, Flat M6	6
▲	26	N/A	Screw, Soc, M6x1x16	5
	27	US9013452 □	Side Brush Lift Cable Kit (Includes Side Cable Qty1 & Mounting Hardware)	1
▽	28	US9010039 □	Side Brush Kit (Includes Side Brush Qt1 & Mounting Hardware)	1
▲	29	N/A	Washer Lock, M5	1
▲	30	N/A	Wing Screw, M5x0.8x20	1
▽	31	US9010011 □	Knob Kit (Includes Black Balls M8 Qty 2, Yellow Balls M8 Qty 1, Knurled Knob M10 Qty 2, Knurled Knob M6 Qty 1 & Mounting Material)	1
▲	32	N/A	Screw, Hex, M10x1.5x100	1
▲	33	N/A	Nut, Hex, Std, M10	2
▲	34	N/A	Nut, Hex , Lock, M10	1
	35	US9010103 □	Label Kit (Includes Tennant LogoQty1, Label S5 Qty2, Label Warning NA Qty1, Label Warning EU Qty1, Label Main Brush Qty1, Label Shaker Qty1)	1
▲	36	N/A	Washer, Flat M8	4
	37	US9013457 □	Timing Belt 60cm	1
	38	US9013031	Side Brush Hub Kit (Includes Side Brush Flange Qty1 & Mounting Hardware)	1
	39	N/A*	Spring, Tensioner, Brush Belt	1
	40	US9014771	Wire, Ground, Static kit [S5]	1

▽ ASSEMBLY

▲ INCLUDED IN ASSEMBLY

□ RECOMMENDED STOCK ITEM

N/A Not Available Separately. Local Purchase.

N/A* Part included in hardware kit 9013076 (see page 42)

Fig. 3 - Cover, Filter and Electrical Assy

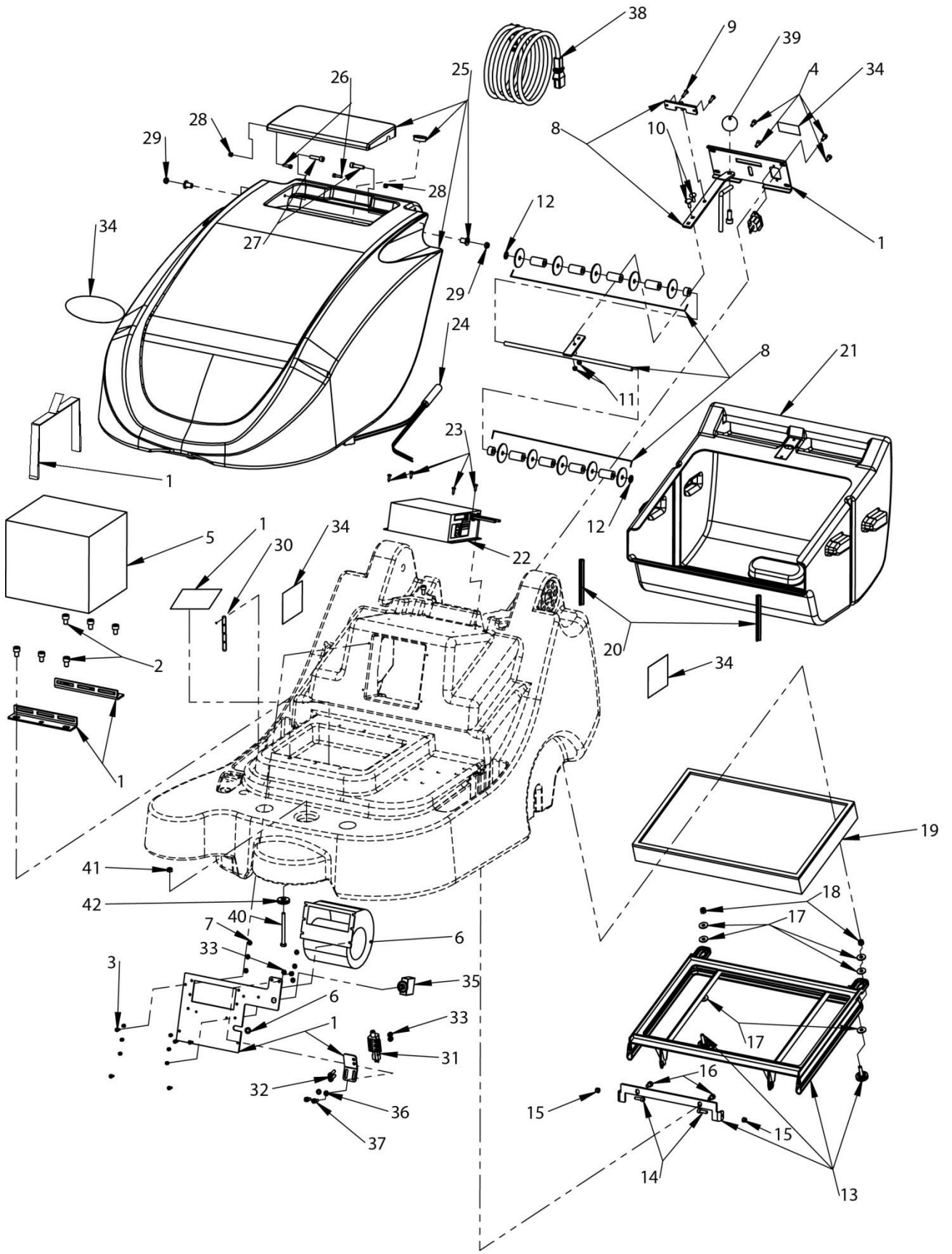


Fig. 3 – Cover, Filter and Electrical Assy

Ref.	Part No.	Description	Qty.	
▽	1	US9010173	Bracket Kit Fan Battery (Includes Brackets Batt Qty2, Bracket Fan Qty1, Bracket Shaker Qty1, Bracket Brush Motor Qty1, Switch Bracket Qty1, Strap Qty1, Rubber Mat Qty1 & Mounting Hardware)	1
▲	2	N/A	Screw, Soc M8x1,25x10	6
▲	3	N/A	Screw, Pan, 3,5x13 TCUT	
▲	4	N/A	Screw, Soc M5x0.8x10	4
	5	US1065086 □	Battery Kit (Includes Battery Qty1)	1
▽	6	US9010064 □	Fan Blower Kit (Includes Fan Qty1, GrommetQty1 & Mounting Hardware)	1
▲	7	N/A	Washer, Flat, M4	6
▽	8	US9010061	Shaker Kit (Includes Bracket Qty1, Lever Qty1, Axle Qty1, Bushing Qty2, Bushing Qty8, Rubber Disc Qty10, Lever Qty1 & Mounting Hardware)	1
▲	9	N/A	Screw, Pan, 4x20 TCUT	2
▲	10	N/A	Bolt Carriage, M5x0.8x16	2
▲	11	N/A	Nut, Hex, Lock, M5	2
▲	12	N/A*	Retainment Ring D=8	2
▽	13	US9010192	Filter Holder Kit (Includes Filter Frame Qty1, Frame Bracket Qty1, Knurled Screw Qty2)	1
▲	14	N/A	Screw, Soc M5x0.8x16	2
▲	15	N/A	Nut, Hex, Lock, M5	4
▲	16	N/A	Screw, Soc M6x1x10	2
▲	17	N/A	Washer, Flat M6	6
▲	18	N/A	Nut, Hex, Lock, M6	2
	19	US9010041 □	Filter Kit (Includes Filter Qty1)	1
	20	US9010043 □	Hopper Seal Kit (Includes Seal Qty2)	1
	21	US9010030	Hopper Kit (Includes Hopper Qty1)	1
▽	22	US9010047 □	Charger Kit (Includes Charger Qty1 & Mounting Hardware)	1
▲	23	N/A	Screw, Pan, 3,5x13 TCUT	4
	24	US9010051	Wire Harness Kit (Harness Qty1)	1
▽	25	US9010135	Front Cover Kit (Includes Front Cover Qty1, Flap Qty 1, Plug Qty 1, Sleeve Qty 2, Knurled Knob Qty 1 & Mounting Hardware)	1
▲	26	N/A	Screw, Soc, M4x0.7x16	2
▲	27	N/A	Screw, Soc, M6x0.8x26	2
▲	28	N/A	Nut, Hex, Lock, M4	2
▲	29	N/A	Nut, Hex, Lock, M6	2
	30	US9009647 □	Strap Kit, Static	1
▽	31	US9010046 □	Safety Switch Kit (Includes Switch Qty1, & Mounting Hardware)	1
▲	32	N/A	Screw, Soc M5x0.8x16	2
▲	33	N/A	Nut, Hex, Lock, M5	2
	34	US9010103 □	Label Kit (Includes Tennant LogoQty 1, Label S5 Qty 2, Label Warning NA Qty 1, Label Warning EU Qty 1, Label Main Brush Qty 1, Label Shaker Qty 1)	1
	35	US9010417	Circuit Breaker Kit (Includes Circuit Breaker 25A)	1

▽ ASSEMBLY

▲ INCLUDED IN ASSEMBLY

□ RECOMMENDED STOCK ITEM

N/A Not Available Separately. Local Purchase.

N/A* Part included in hardware kit 9013076 (see page 42)

Parts List

Fig. 3 – Cover, Filter and Electrical Assy

Ref.	Part No.	Description	Qty.	
▲	36	N/A	Screw, Soc M5x0.8x12	2
▲	37	N/A	Washer, flat M5	2
	38	US1044067 □	Cord, Power, 16/3 BLK [2.5meter, NA]	1
	38	US1026325 □	Cord, Power, 1,0mm ² /3 BLK [2.5meter, AUS]	1
	38	US1026330 □	Cord, Power, 1,0mm ² /3 BLK [2.5meter, CHINA]	1
	38	US1044068 □	Cord, Power, BLK [KOR/CE]	1
	38	US1044068 □	Cord, Power, BLK [3meter, JP]	1
	39	US989722 □	Knob Kit (Includes Black Balls M8 Qty 2, Yellow Balls M8 Qty 1, Knurled	1
		US9010011	Knob M10 Qty 2, Knurled Knob M6 Qty 1 & Mounting Material)	
	40	N/A	Screw, Hex, M6x1x65 (Included with item 25)	1
	41	N/A	Nut, Hex, Lock, M6 (Included with item 25)	1
	42	N/A	Knob, Knurled, M6 (Included with Item 25)	1

Note: Knob also included with Knob Kit 9010011

▽ ASSEMBLY

▲ INCLUDED IN ASSEMBLY

□ RECOMMENDED STOCK ITEM

N/A Not Available Separately. Local Purchase.

Fig. 4 - Handle Assy

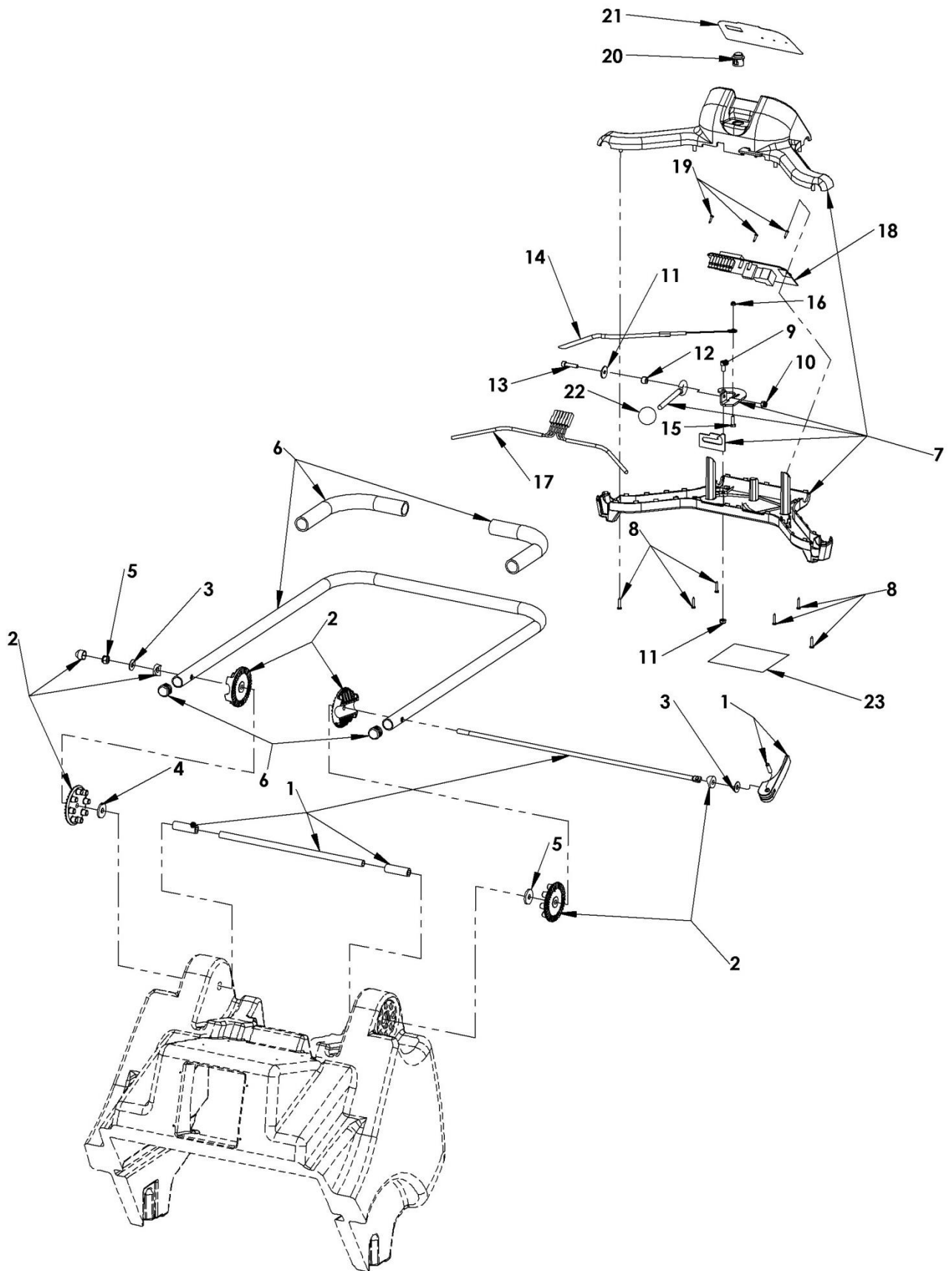


Fig. 4 – Handle Assy

Ref.	Part No.	Description	Qty.
1	9010181	Handle Rod & Lever Kit (Includes Lever Qty 1, Pipe LongQty1, Pipe Short Qty2, Rod Qty1 & Spring 6x22)	1
▽	2	9010034 □ Handle Hinge/Pivot Kit (Includes Hinge Outside Qty2, Hinge Inside Qty2, Plastic Disc Qty2, Cap Qty1 & Mounting Hardware)	1
▲	3	N/A Washer, Flat M8	2
▲	4	N/A Washer, Flat M8x28	2
▲	5	N/A Nut, Hex, Lock, M8	1
	6	9010032 Handle Kit (Includes Handle Qty1, Soft Gripp Qty2, Plugs Qty2)	1
▽	7	9010044 Inst Panel Kit (Includes Panel TopQty1, Panel Bottom Qty1, Slotted Bracket Qty2, Adjuster Bracket lh Qty1, Adjuster Bracket rh Qty1, Eye Bolt Qty2 & Mounting Hardware)	1
▲	8	N/A Screw, Pan 3.5x20 TCUT	6
▲	9	N/A Screw, Soc M6x1x12	1
▲	10	N/A Nut, Hex, Lock, M6	2
▲	11	N/A Washer, Flat M6x22	1
▲	12	N/A Sleeve M6	1
▲	13	N/A Screw, Soc M6x1x20	1
▽	14	9013452 □ Side Brush Lift Cable Kit (Includes Side Cables Qty2, Side Cable Qty1 & Mounting Hardware)	1
▲	15	N/A Screw, Hex, M5x0.8x16	1
▲	16	N/A Nut, Hex, Lock, M5	1
	17	9010051 Wire Harness Kit (Includes Harness Qty1)	1
▽	18	9010050 □ Controlboard Kit (Includes Control Board Qty1 & Mounting Hardware)	1
▲	19	N/A Screw, Pan, 2.9x13 TCUT	3
	20	9010174 □ Switch Kit Push Button (Includes Push Button Switch Qty1)	1
	21	1071274 Inst Panel Label	1
	22	9010011 □ Knob Kit (Includes Black Balls M8 Qty 2, Yellow Balls M8 Qty 1, Knurled Knob M10 Qty 2, Knurled Knob M6 Qty 1 & Mounting Material)	1
	23	9010103 □ Label Kit (Includes Tennant LogoQty1, Label S5 Qty2, Label Warning NA Qty1, Label Warning APACQty1, Label Warning EU Qty1, Label Main Brush Qty1, Label Shaker Qty1)	1

▽ ASSEMBLY

▲ INCLUDED IN ASSEMBLY

□ RECOMMENDED STOCK ITEM

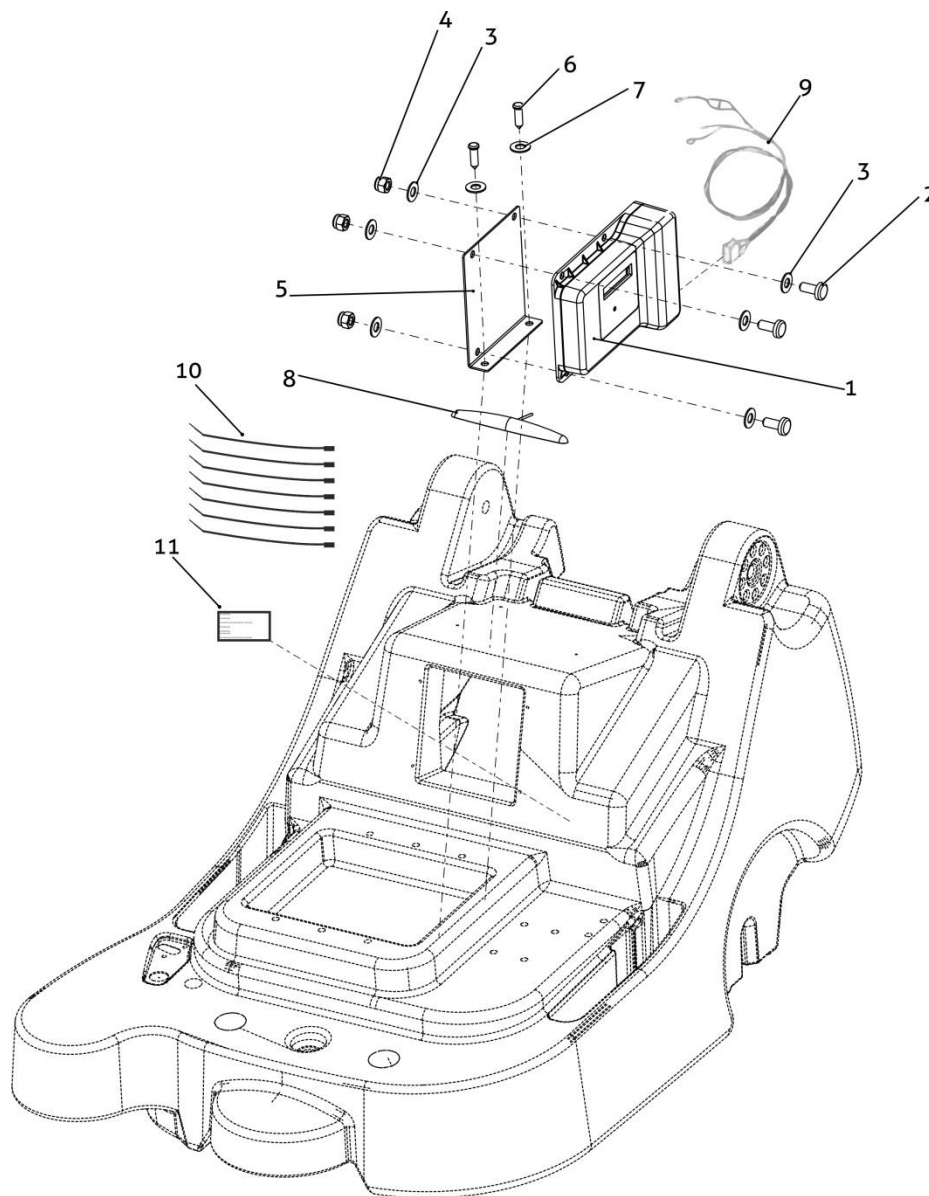
N/A Not Available Separately. Local Purchase.

Parts List

Kit Content - Hardware Kit (Part No. 9013076)

Ref.	Part No.	Description	Qty.
1		Retainment ring D=8	10
2		Retainment ring 8mm,square	10
3		Retainment ring D=12	10
4		Spring, Tensioner, Brush Belt	1
5		Spring, Propel	1

Fig. 5 - Iris Telemetry Assy (Optional)



Ref.	Qty.
1	1
2	3
3	6
4	3
5	1
6	2
7	1
8	1
▽ 9	1
▲ 10	1
10	6
11	1

- ▽ ASSEMBLY
 - ▲ INCLUDED IN ASSEMBLY
 - RECOMMENDED STOCK ITEM
- N/A Not Available Separately. Local Purchase.