



Repair Manual

Please read through them thoroughly prior to handling the product and retain them for future reference.



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1. Repairer Disclaimer



IMPORTANT: Certain repairs require professional personnel and equipment. Non user-repairable components as below table should be carried out by professional repairers only. Any unauthorized attempt to repair these components may invalidate the warranty. For help with the repair or maintenance of your product, please go to the reception desk of your store, with your receipt.

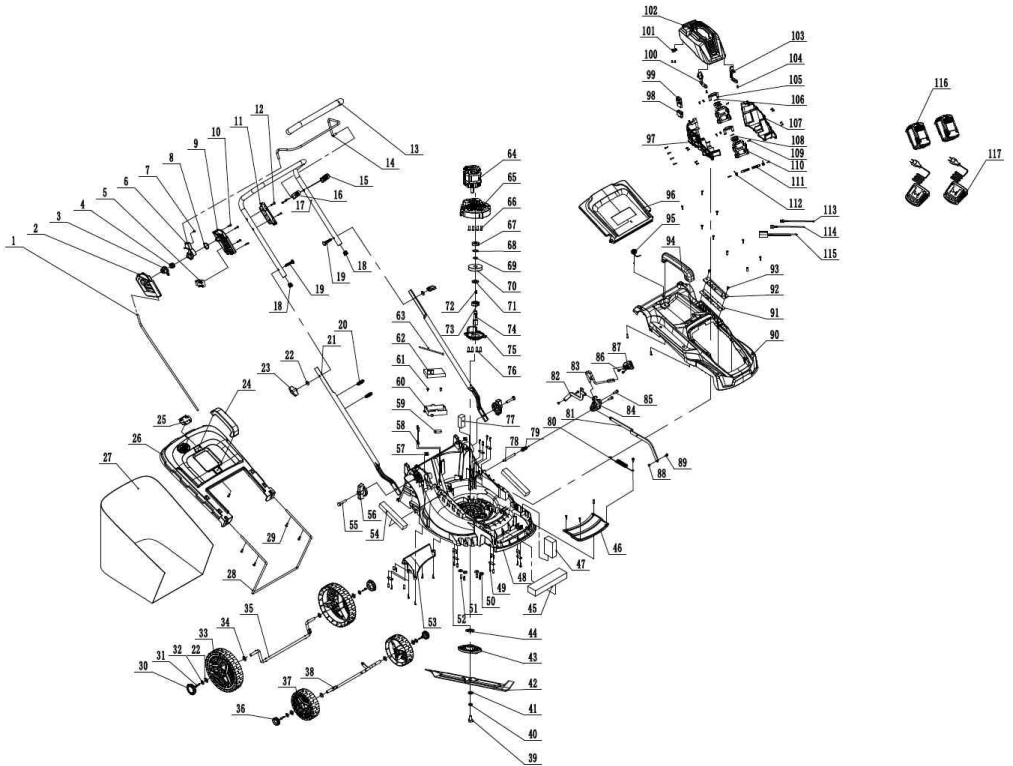


WARNING: Unauthorized servicing may be hazardous. Consult the manual before attempting self-repair.

Item	User-Repairable	Instructions
Battery fails to charge/rapid power drain/bulging/poor contact, etc.	No	Batteries are high-risk items. Never open it yourself - contact the store or authorized service provider for repair
PCB damage/breaks/burn marks, etc.	No	Must contact store or authorized service provider
Charger failure to charge, etc.	No	Must contact store or authorized service provider
Motor burn out/replacement, etc.	No	Must contact store or authorized service provider
Wire replacement	No	Must contact store or authorized service provider
Cutting blade assembly	Yes	Refer to the manual for details
Motor assembly	Yes	Refer to the manual for details
Drive gears assembly	Yes	Refer to the manual for details
Battery pack compartment	Yes	Refer to the manual for details
Switch box	Yes	Refer to the manual for details
Control cord	Yes	Refer to the manual for details
Controller	Yes	Refer to the manual for details
Battery pack & safety key	Yes	Refer to the manual for details
Handle bar assembly	Yes	Refer to the manual for details
Grass catcher assembly	Yes	Refer to the manual for details
Wheel sets	Yes	Refer to the manual for details
Cutting height adjustment lever	Yes	Refer to the manual for details

2. About the Product

2.1 Exploded Drawing



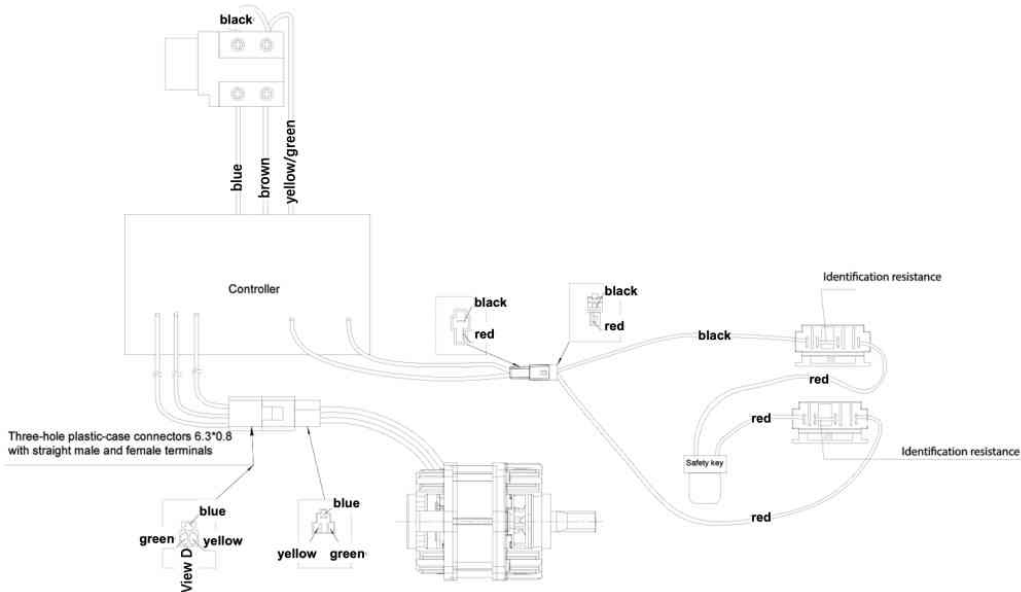
2.2 Spare Parts Requirements Table

Grid ID	Grid Part Name	Qty	Grid ID	Grid Part Name	Qty
1	Control cord	1	60	Controller box	1
2	Top cover for switch box	1	61	Self-tapping screw ST4.2*9.5-F	14
3	Switch button	1	62	40V controller	1
4	Spring for switch button	1	63	Cable tie	1
5	Switch	1	64	36V brushed motor (6425)	1
6	Start lever trigger	1	65	Gearbox base	1
7	Self-tapping screw ST3.5*10-C	3	66	Screw (M5*10)	4
8	Spring for start lever rocker	1	67	Bearing (6001-2RS)	1
9	Bottom cover for switch box	1	68	Retaining ring for shaft (Ø 14 mm)	1
10	Self-tapping screw ST4.2*16-F	55	69	Wave spring washer (Ø 15 mm)	1
11	Mounting plate for switch box	1	70	Gear	1
12	Self-tapping screw ST4.2*19-F	2	71	Gear shim	1
13	Foam sleeve on handle bar	1	72	Woodruff key	1
14	Start lever	1	73	Bearing (6002RS)	1
15	Start lever bracket (outer)	1	74	Gear shaft	1
16	Start lever bracket (inner)	1	75	Gearbox cover	1
17	Upper pole	1	76	Screw ST4.8*18-C	4
18	Rod plug (Ø 20 mm)	2	77	Rear axle foam grass guard	1
19	Mounting bolt (M6*45)	2	78	Shaft for cutting height adjustment	1
20	Cord clip	2	79	Tension spring for cutting height adjustment	1
21	Lower pole	2	80	Front axle tie spring	1
22	Washer (Ø 6 mm)	2	81	Front axle tie rod	1
23	Locking knob	2	82	Rear axle tie rod	1
24	Carry handle for grass catcher	1	83	Cutting height adjustment lever	1
25	Hatch	1	84	Linkage assembly for cutting height adjustment lever	1
26	Grass catcher lid	1	85	Bolt (M6)	2
27	Grass catcher (42 l)	1	86	Self-tapping screw ST4.8*10-C	2
28	Support frame	1	87	Handle for cutting height adjustment lever	1
29	Self-tapping screw ST4.8*16-C (with washer)	6	88	Locking nut (M5)	4
30	Rear wheel cap	2	89	Bolt (M5)	2
31	Bolt (M6*12)	4	90	Top housing	1
32	Spring washer (Ø 6 mm)	4	91	Cover plate for cutting height indicator	1
33	Rear wheel (Ø 200 mm)	2	92	Cutting height indicator	1
34	Flat washer (Ø 10 mm)	4	93	Bolt (M5*10)	2
35	Rear axle assembly	1	94	Transportation handle	1
36	Front wheel cap	2	95	Torsion spring for deflector guard	1

37	Front wheel (Ø 140 mm)	2
38	Front axle assembly	1
39	Mounting bolt (M10*20)	1
40	Spring washer (Ø 10 mm)	1
41	Flat washer (Ø 10 mm)	1
42	Cutting blade (38 cm)	1
43	Cutting blade holder (anti-reverse installation design)	1
44	Flat washer (Ø 17 mm)	1
45	Sand box (with 0.8 kg sand)	1
46	Sand box lid	1
47	Front axle foam grass guard	1
48	Bottom housing	1
49	Fixing plate for wheel axle	6
50	Flat washer (Ø 5 mm)	4
51	Self-tapping screw ST4.8*19-C	5
52	Wheel axle baffle	4
53	Rear discharge chute	1
54	Air inlet foam	2
55	Mounting bolt (M8*40)	2
56	Locking knob	2
57	Nut (M8)	2
57	Fixing plate for control cord	2
59	Magnetic wire clip	1

96	Deflector guard	1
97	Battery pack compartment (right)	1
98	Key slot	1
99	Safety key	1
100	Support lug (right)	1
101	Hook for transparent cover	1
102	Transparent cover	1
103	Support lug (left)	1
104	Self-tapping screw ST4.2*13-C (with washer)	2
105	Cover plate for guide rail	2
106	Resistor (20 K)	2
107	Battery pack compartment (left)	1
108	Battery pack socket	2
109	Heat shrink tube (Ø 6 mm x 0.04 m)	1
110	Guide rail	2
111	Support lug axle	2
112	Torsion spring for support lug	2
113	Key slot & battery pack positive lead wire	1
114	Battery pack socket positive lead wire	1
115	Controller negative lead wire	1
116	Battery pack	2
117	Charger	2

3. Wiring and Connection Diagrams

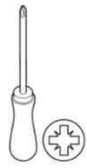


4. Key Parts Locations



Grid ID	Grid Part Name	Qty	Grid ID	Grid Part Name	Qty
1	Control cord	1	62	40V controller	1
5	Switch	1	64	36V brushed motor (6425)	1
17	Upper pole	1	87	Handle for cutting height adjustment lever	1
21	Lower pole	2	97	Battery pack compartment (right)	1
26	Grass catcher lid	1	99	Safety key	1
27	Grass catcher (42 l)	1	100	Support lug (right)	1
33	Rear wheel (Ø 200 mm)	2	102	Transparent cover	1
36	Front wheel (Ø 140 mm)	2	103	Support lug (left)	1
39	Mounting bolt (M10*20)	1	107	Battery pack compartment (left)	1
42	Cutting blade (38 cm)	1	116	Battery pack	2

5. You Will Need



6. Repair Guidelines

6.1 Cutting blade assembly

Tools, repair and test equipment

- 16 mm socket and wrench

Spare Parts

- Cutting blade (42)
- Mounting bolt (39)

Time required - 15 Minutes

When to replace the cutting blade

- **Severe wear:** The blade edge becomes dull and the thickness noticeably decreases.
- **Gap or crack:** The edge of the blade may have a gap, crack, or fracture, which may be caused by impact with hard objects such as stones or metal.
- **Deformation and bending:** The blade is bent or twisted, causing it to lose balance during rotation and causing severe vibration of the machine body.
- **Severe rusting:** Long term exposure to humid environments can cause rusting, affecting strength or cutting efficiency.
- **Poor cutting effect:** The grass is uneven, missed, or requires multiple repeated cuts after cutting.
- **Abnormal noise/vibration:** When the blade is unbalanced or deformed, the lawn mower will make abnormal noises or obvious vibrations.
- **High rotational resistance:** When manually rotating the blade, it may get stuck or not flow smoothly, which may be caused by bearing damage or blade deformation.
- **Long using time:** 50 hours mowing or 2 years whichever is sooner regardless of condition.

Repair Procedures:



1. Open the transparent cover (102); remove the safety key (99) and battery packs (116) (Fig. 1).

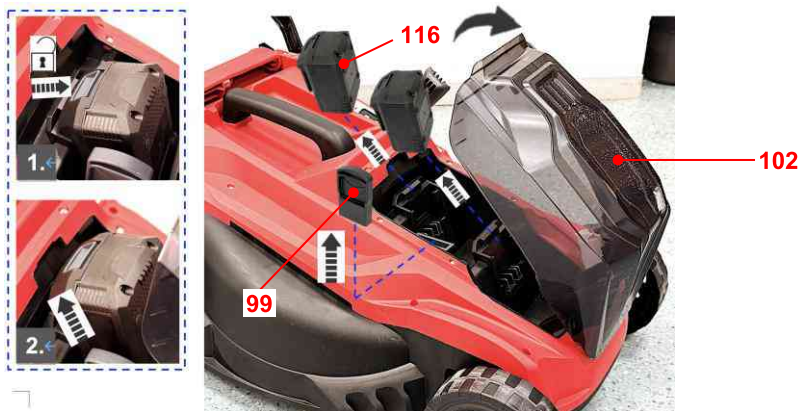


Fig. 1

- Loosen the mounting bolt (39) counterclockwise using a suitable electric impact wrench (socket size 16 mm); remove it with the spring washer (40), flat washer (41) and cutting blade (42) (Fig. 2).



NOTE: If a hand tool wrench or spanner is used instead of an electric impact wrench, the cutting blade (42) should be prevented from rotating while loosening the mounting bolt. Wear heavy-duty gloves and grip the cutting blade firmly. Use a good-size piece of wood to block the rotation of the cutting blade if necessary.

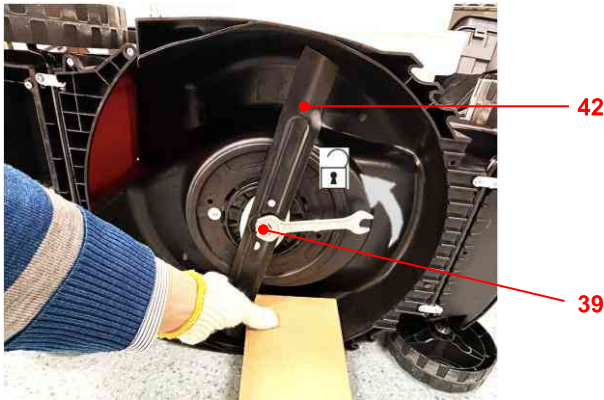


Fig. 2

- Replace the cutting blade with a new one of the same type. Ensure the cutting blade holder (43) and flat washer (44) are on the spindle. Align the patterns and attach the cutting blade (42) onto the cutting blade holder (43). Refit the flat washer (41), spring washer (40) and mounting bolt (39). Pre-tighten the mounting bolt by hand afterward.
- Hold the cutting blade (42) firmly with a heavy-duty gloved hand and / or a wood stick, tighten the mounting bolt (39) clockwise with **25 Nm min., 30 Nm max.** to ensure safe operation of your product (Fig. 3).

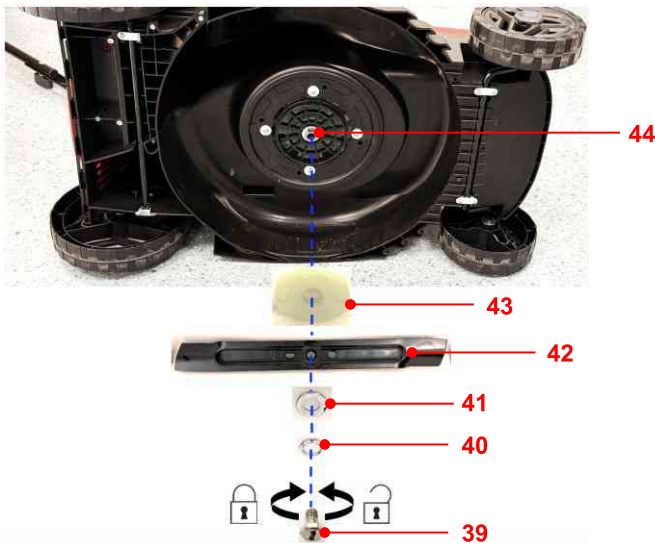


Fig. 3



IMPORTANT! Before each use, make sure that the cutting blade (42) and all the fixing parts are installed correctly and tightened securely.

Only use original spare mounting bolt (39) for replacement.



NOTE: Lubricate the cutting blade (42) after each use to prolong the life span of cutting blade and product.

Apply light machine oil along the edge of the cutting blade (42).

6.2 Motor Assembly

Tools, repair and test equipment

- Philips #2 Screwdriver
- Multimeter
- Megohmmeter

Spare Parts

- 36V brushed motor (64)

Time required - 15 Minutes

When to replace the motor assembly:

- **The motor does not rotate:** There is no response after being powered on, which may be caused by winding burnout, brush wear, or internal circuit breakage.
- **Insufficient power:** The product's speed has significantly decreased, making it unable to cut properly. This may be due to a short-circuit in the coil, poor contact of the carbon brush, or stuck bearings.
- **Abnormal noise or vibration:** When the internal bearings are damaged, the rotor is eccentric, or the coil is broken, the motor runs with sharp friction sounds or strong vibrations.
- **Overheating or smoking:** In a short period of time, the motor casing becomes hot (over 60 °C) or has a burnt smell, usually due to overload, poor heat dissipation, or internal short-circuit.
- **Severe sparks:** When the electric brush and commutator have poor contact, the sparks increase abnormally during motor operation.

Identify other possible causes

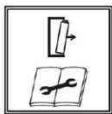
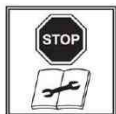
Before determining the motor malfunction, the following issues need to be eliminated:

- **Battery pack issue:** Check if the battery voltage is normal (such as 36 V₋₋₋) and ensure that there are no open-circuits or poor contacts in the circuit.
- **Key issue:** There is no oxidation, corrosion, or looseness of the key contacts and the safety key is properly inserted before use.
- **Mechanical jamming:** Manually rotate the motor shaft to confirm if excessive resistance is caused by blade jamming or gearbox failure.

Key detection steps:

- **Resistance test:** Disconnect the motor power supply and measure the resistance of the motor input terminal with a multimeter: Normal value: several ohms to tens of ohms. If the resistance is infinite (open-circuit) or close to zero (short-circuit), the motor needs to be replaced.
- **No-load test:** Remove the blade, power on the motor separately and observe if it runs smoothly without any abnormal noise.
- **Input resistance check:** Measure the input resistance between the motor winding and the casing with a megohmmeter. If it is lower than 1 MΩ, it indicates insulation aging and leakage.

Repair Procedures:



1. Remove the self-tapping screws ST4.8*10-C (86) with a Philips #2 screwdriver and the handle (87) for cutting height adjustment lever (83) (Fig. 4).



Fig. 4

2. Remove the 10 self-tapping screws ST4.2*16-F (10) with a Philips #2 screwdriver (Fig. 5). Lift and remove the top housing (90).

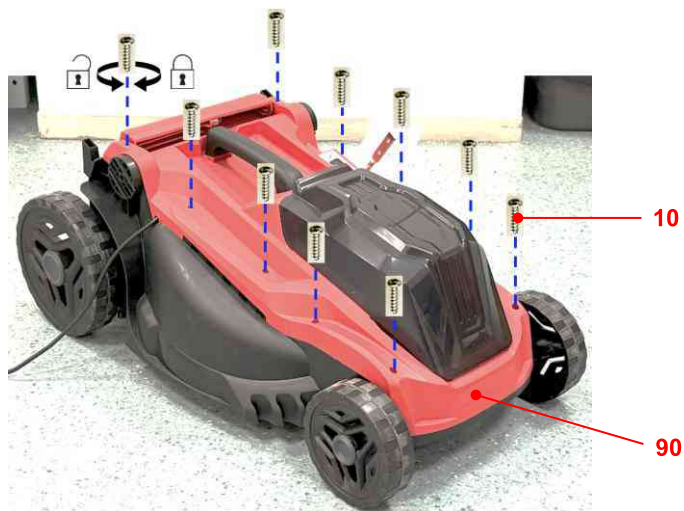


Fig. 5

3. Remove the cutting blade assembly as instructed in the section "Cutting Blade Assembly → step 1 to 2".

4. Remove the 4 self-tapping screws ST4.8*19-C (51) with a Philips #2 screwdriver and flat washers (50) (Fig. 6). Turn the product back carefully.

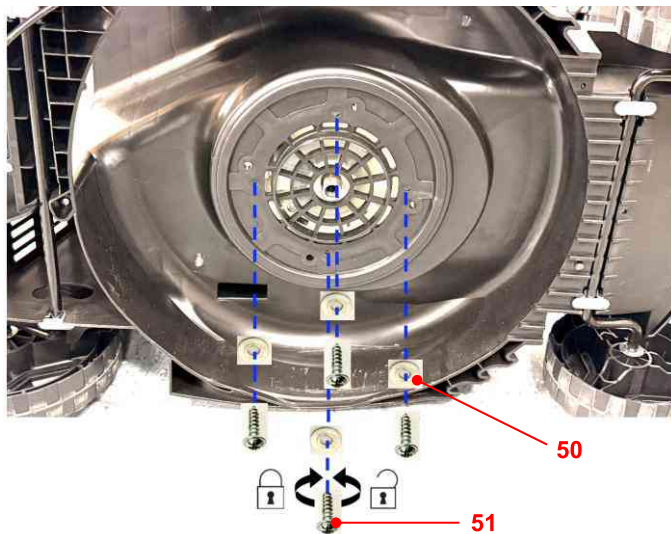


Fig. 6

5. Disconnect the wiring plug to disconnect the 36V brushed motor (64) from the 40V controller (62) (Fig. 7).

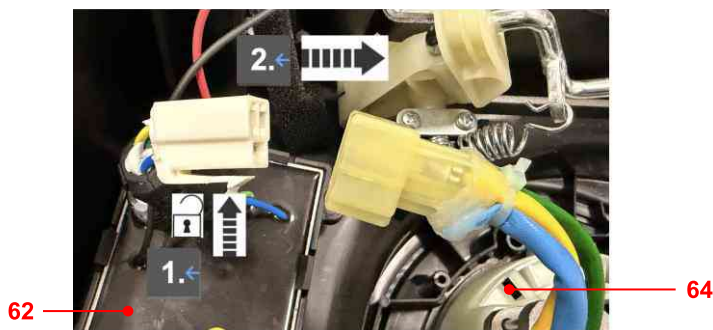


Fig. 7

6. Remove the damaged 36V brushed motor (64) (incl. the gearbox) and replace it with a new one of the same type. Place the motor assembly into the bottom housing (48) and ensure it sits properly in place. Fix the motor assembly with the 4 self-tapping screws ST4.8*19-C (51) and flat washers (50). Reconnect the wiring plug afterward.

- Assemble the top housing (90) and deflector guard (96) onto the bottom housing (48). Ensure that the torsion spring (95) is properly assembled before fixing the top housing (Fig. 8).



Fig. 8

- Reassemble the handle for cutting height adjustment lever and cutting blade assembly before use.

6.3 Drive gears assembly

The drive gears assembly is not a part of replaceable component, replace it together with the motor assembly

Refer to the section “6. Repair Guidelines → 6.2 Motor Assembly”.

6.4 Battery Pack Compartment

Tools, repair and test equipment

- Philips #2 Screwdriver

Spare Parts

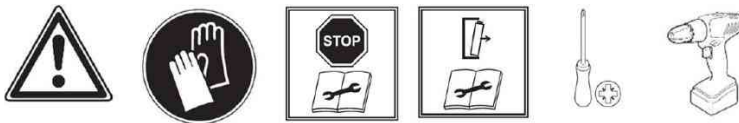
- Battery pack compartment (97, 107)
- Support lug (100, 103)
- Transparent cover (102)

Time required - 20 Minutes

When to replace the battery pack compartment

- **Physical damage:** The transparent cover is cracked; the support lug of the transparent cover is damaged.
- **Poor contact of battery pack socket:** Oxidation, corrosion, or looseness of battery pack socket can lead to poor contact of the connection terminals of the battery pack compartment.

Repair Procedures:



- Remove the top housing as instructed in the section “Motor Assembly → step 1 to 2”.
- Disconnect the wiring plug to disconnect the battery pack compartments (97, 107) from the 40V controller (62) (Fig. 9).

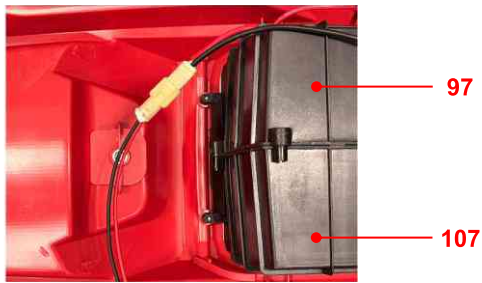


Fig. 9

3. Open the transparent cover (102) and hold it in position. Remove the 8 self-tapping screws ST4.2*16-F (10) using a Philips #2 screwdriver (Fig. 10).

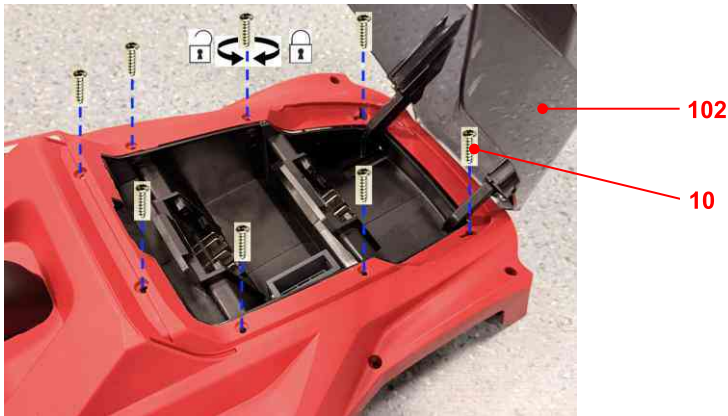


Fig. 10

4. Remove the battery pack compartment assembly and then replace it with a new one of the same type.
5. If necessary, remove the self-tapping screws ST4.2*13-C (104) to disassemble the transparent cover (102) from the support lugs (100, 103) (Fig. 11). Replace the transparent cover with a new one of the same type.

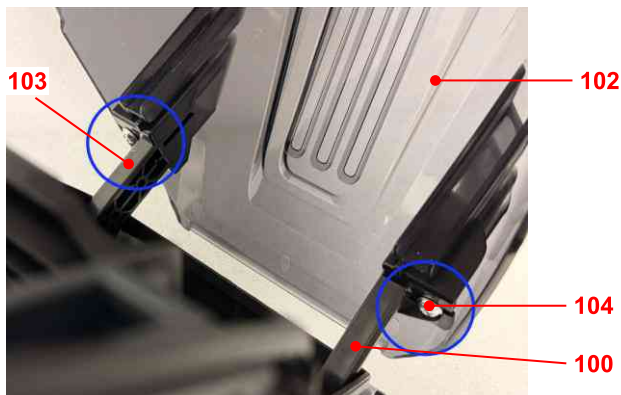


Fig. 11

- If necessary, remove the self-tapping screws ST4.2*16-F (10) with the support lug axles (111) and torsion springs (112). Replace the support lugs (100, 103) with the new ones of the same type. Ensure that the torsion springs are properly engaged in place when assembling the support lugs and axles (Fig. 12).

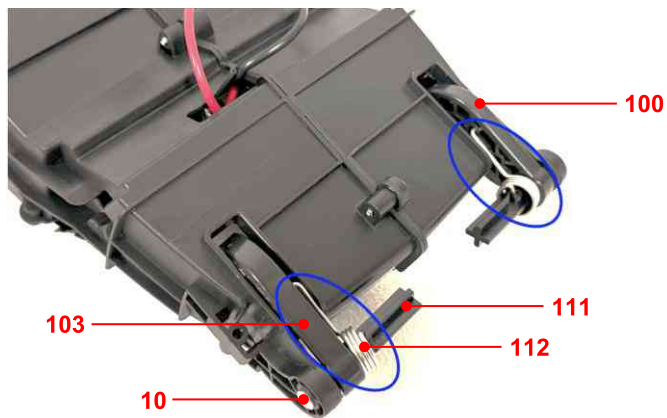


Fig. 12

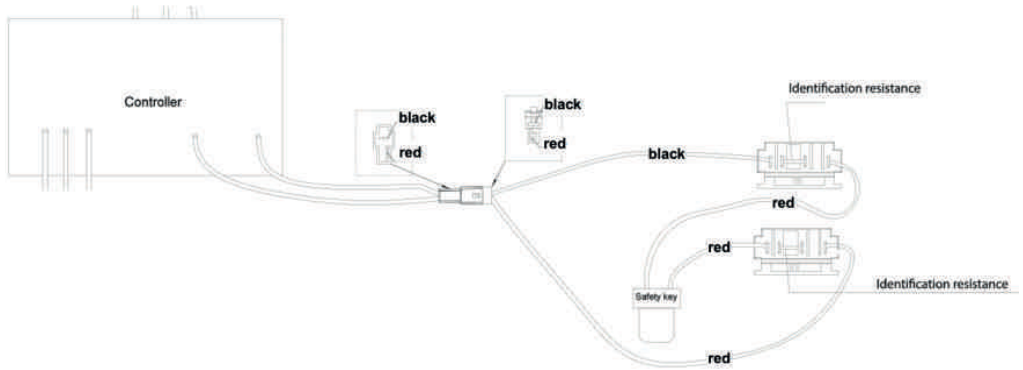
- If necessary, disengage the torsion spring (95) to disassemble the deflector guard (96) and remove the screws to disassemble the transportation handle (94) (Fig. 13). Replace the top housing (90) with a new one of the same type. Assemble the deflector guard and transportation handle onto the new top housing.



Fig. 13

- Reassemble the transparent cover (102) onto the battery pack compartment assembly, then together onto the top housing (90).
- Assemble the top housing (90) and deflector guard (96) onto the bottom housing (48). Ensure that the torsion spring (95) is properly assembled before fixing the top housing.
- Reassemble the handle for cutting height adjustment lever and cutting blade assembly before use.

Electric circuit diagram of battery pack compartment:



6.5 Switch Box

Tools, repair and test equipment

- Philips #2 Screwdriver
- Multimeter

Spare Parts

- Switch (5)

Time required - 15 Minutes

When to replace the switch box:

- **Malfunction of switch:** The product does not respond after being properly operated on the switch button.
- **Intermittent work:** Sudden power outage during operation, restored after lightly tapping the switch box (poor contact).
- **Overheating or burning of switch:** The switch box shell is hot, has a burnt smell or visible burn marks.

Identify other possible causes:

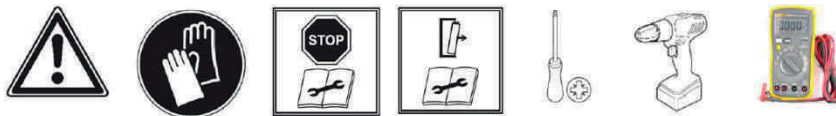
Before determining the switch box malfunction, the following issues need to be eliminated:

- **Battery issue:** Check if the battery voltage is normal (such as 36 V \rightarrow) and ensure that there are no open-circuits or poor contacts in the circuit.
- **Safety key issue:** There is no oxidation, corrosion, or looseness of the key contacts and the safety key is properly inserted before use.

Key detection steps:

- **Visual check:** Check if the leads or terminals are loose, and if there are signs of burning at the terminal connections.
- **Switch contact:** Press the switch button and measure whether the input and output terminals are conductive by a multimeter.

Repair Procedures:



1. Remove the self-tapping screws ST4.2*19-F (12) using a Philips #2 screwdriver. Disassemble the switch box from the mounting plate (11) (Fig. 14).

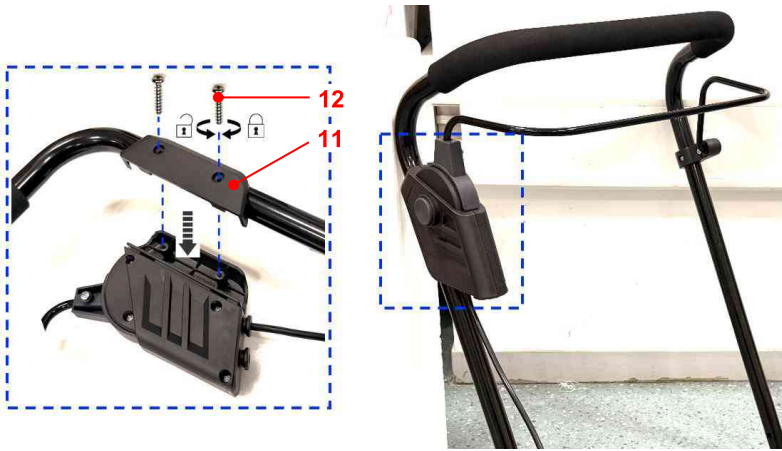


Fig. 14

2. Remove the 4 self-tapping screws ST4.2*16-F (10) using a Philips #2 screwdriver to open the switch box (Fig. 15).

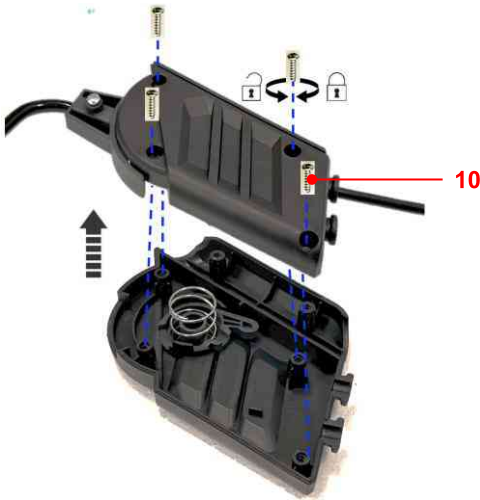


Fig. 15

3. Loosen the 4 screws to separate the lead wires from the terminals of the switch (5) (Fig. 16) as in the corresponding wiring system:

- **Brown** lead wire of control cord (1) - **NC terminal** of switch (5)
- **Yellow** lead wire of control cord (1) - **NO terminal** of switch (5)
- **Blue** lead wire of control cord (1) - **COM terminal** of switch (5)
- **Black** lead wire of switch (5) - **xx terminal** of switch (5)

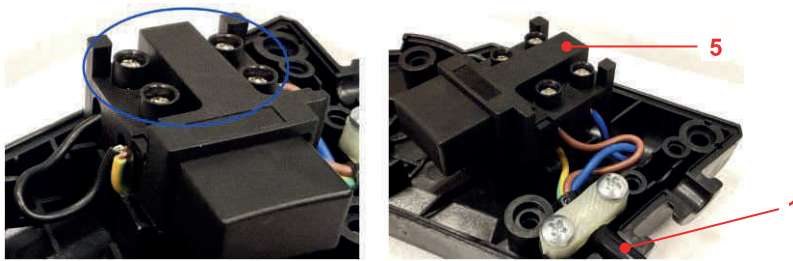
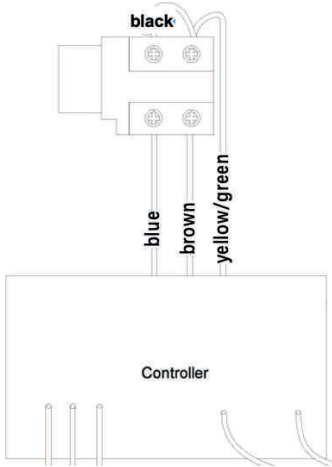


Fig. 16

4. Replace the switch with a new one of the same type. Connect the lead wires with the terminals of the switch and tighten the 4 screws afterward.
5. Reassemble the switch box in reverse order and then assemble it onto the mounting plate (11).

Electric circuit diagram of switch:



6.6 Control Cord

Tools, repair and test equipment

- Philips #2 Screwdriver
- Multimeter

Spare Parts

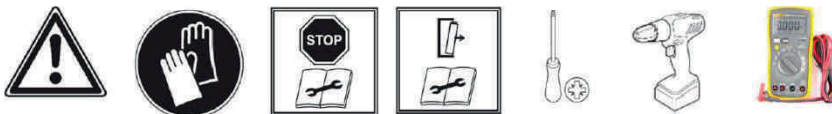
- Control cord (1)

Time required - 25 Minutes

When to replace the control cord:

- **Visible physical damage:** Check whether naked, crushing deformation or rodent bite marks on the control cord.
- **Abnormal heating or burnt smell:** Overheating of the cable, melting of the insulation layer, and even smoking (caused by overload or short-circuit).

Repair Procedures:



1. Remove the top housing as instructed in the section “Motor Assembly → step 1 to 2”.
2. Disconnect the lead wires from the terminals of the switch as instructed in the section “Switch Box → step 1 to 3”.
3. Disconnect the wiring plug (1) from the 40V controller (62) (Fig. 17).

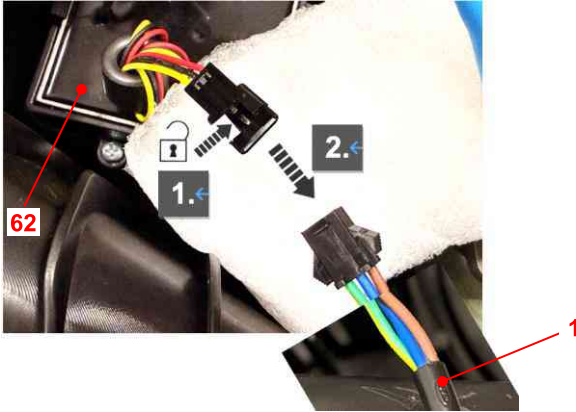


Fig. 17

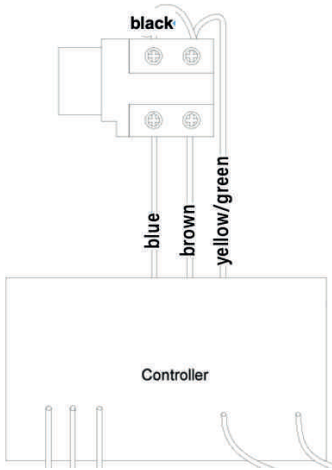
4. Remove the 4 screws and 2 fixing plates (58) (Fig. 18). Replace the control cord (1) with a new one of suitable length.



Fig. 18

5. Connect the control cord (1) with the switch (5) and 40V controller (62). Secure the control cord (1) properly by the screws and fixing plates (58).
6. Reassemble the switch box and then assemble it onto the mounting plate (11).
7. Assemble the top housing (90) and deflector guard (96) onto the bottom housing (48). Ensure that the torsion spring (95) is properly assembled before fixing the top housing.
8. Reassemble the handle for cutting height adjustment lever and cutting blade assembly before use.

Electric circuit diagram of control cord:



6.7 Controller

Tools, repair and test equipment

- None

Time required - 10 Minutes

Spare Parts

- 40V controller (62)

When to replace the controller

- **Malfunction of controller:** The product does not respond after being properly operated on the switch button.
- **Overheating or burning of controller:** The controller and / or controller box is hot, has a burnt smell or visible burn marks.

Identify other possible causes

Before determining the controller malfunction, the following issues need to be eliminated:

- **Motor assembly / battery pack compartment assembly / control cord:** Check if the motor assembly, battery pack compartment assembly and control cord are free of malfunction and damage.
- **Battery pack issue:** Check if the battery voltage is normal (such as 36 V₋₋₋) and ensure that there are no open-circuits or poor contacts in the circuit.
- **Safety key issue:** There is no oxidation, corrosion, or looseness of the key contacts and the safety key is properly inserted before use.

Key detection steps:

- **Visual check:** Check if the 3 wiring plugs are connected and engaged.

Repair Procedures:



1. Remove the top housing as instructed in the section “Motor Assembly → step 1 to 2”.

- Disconnect the wiring plugs to disconnect the 40V controller (62) from the 36V brushed motor (64), battery pack compartments (97, 107) and control cord (1). Disengage the 4 locking latches and remove the 40V controller (62) from the controller box (60) (Fig. 19).

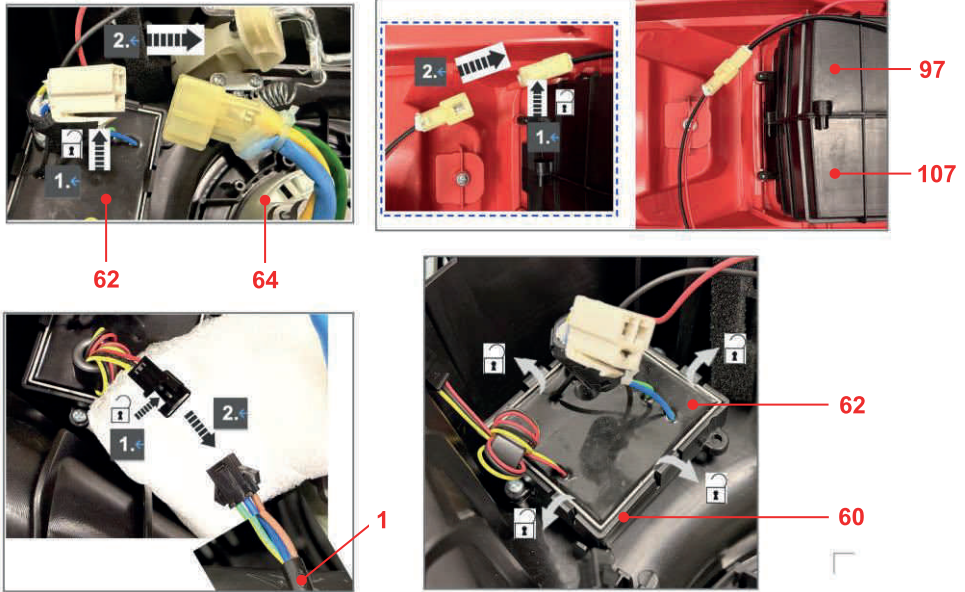
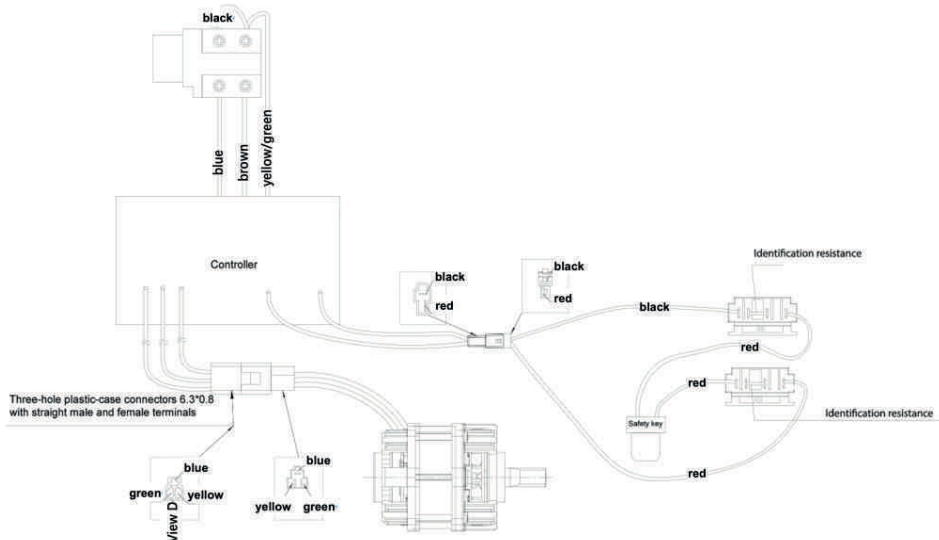


Fig. 19

- Replace the 40V controller with a new one of the same type. Place the new 40V controller (62) into the controller box (60) and secure it with the locking latches. Connect the 3 wiring plugs afterward.
- Assemble the top housing (90) and deflector guard (96) onto the bottom housing (48). Ensure that the torsion spring (95) is properly assembled before fixing the top housing.
- Reassemble the handle for cutting height adjustment lever and cutting blade assembly before use.

Electric circuit diagram of controller:



6.8 Battery Pack & Safety Key

Tools, repair and test equipment

- None

Spare Parts

- Battery pack (116)
- Safety key (99)

Time required - 1 Minutes

When to replace the battery pack(s) / safety key

- **Visible physical damage:** Damaged battery pack case, corrosion sign at battery contacts.
- **Voltage abnormality:** The no-load voltage is 20% lower than the nominal value (such as 36 V_{nom} battery pack voltage ≤ 28.8 V_{nom}).
- **Poor contact of safety key:** Oxidation, corrosion, or looseness of safety key.

Repair Procedures:



1. Open the transparent cover (102); then remove the safety key (99) and battery pack(s) (116) (Fig. 20).



Fig. 20

2. Replace the safety key (99) and / or battery pack(s) (116) with a new one of the same type.
3. Align the battery pack(s) (116) with the two sliding slots and slide the battery pack(s) in to attach it / them. Ensure that the electrical contacts are fully inserted into the battery pack(s) and that they snap in place with a click.
4. Reinstall the safety key (99) into the key slot (98).
5. Hold and gently lower the transparent cover (102) to close it.

6.9 Handle Bar Assembly

Tools, repair and test equipment

- None

Spare Parts

- Upper pole (17)
- Lower pole (21)

Time required - 15 Minutes

When to replace the handle bar assembly

- **Visible physical damage:** Damaged handle bar

Repair Procedures:



1. Pre-assemble the switch box onto the mounting plate (11) on the new upper pole (17) as instructed in the section “Switch Box” and ready for use.
2. Place the product on the flat and even ground.
3. Align the mounting holes and assemble the lower poles (21) onto the supports. Secure the connection with the locking knobs (56) (Fig. 21).

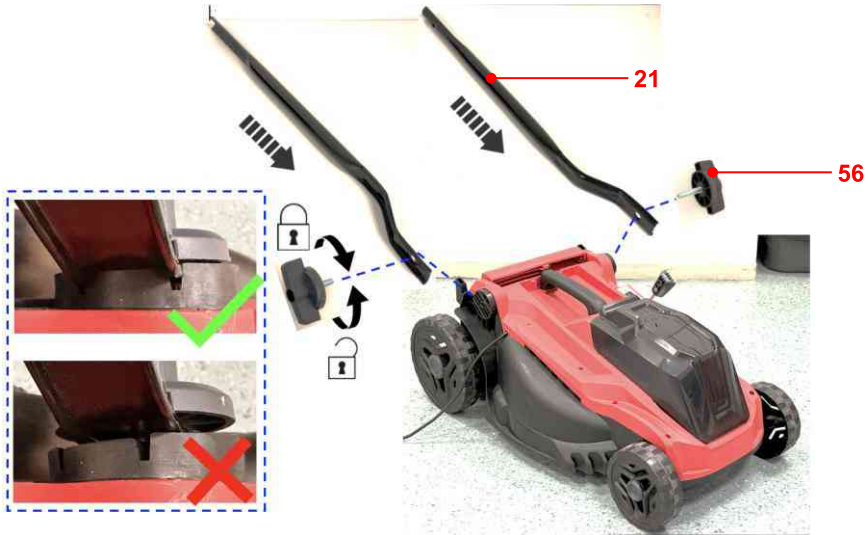


Fig. 21

4. Align the mounting holes and assemble the upper pole (17) onto the lower poles (21). Secure the connection with the mounting bolts (19), washers (22) and locking knobs (23) (Fig. 22). Ensure the switch box on the right-hand side (during operation) and the control cord runs over the upper pole.



Fig. 22

5. Fix the control cord (1) with the cord clips (20) to the upper pole (17) and lower poles (21) (Fig. 23). Straighten the control cord extended to avoid entanglement / contact with the rear wheels.

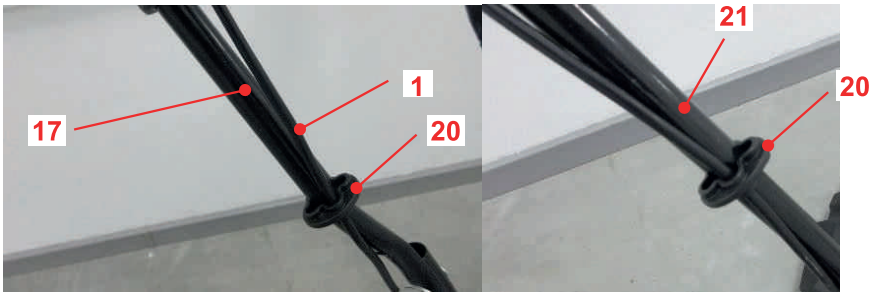


Fig. 23

6.10 Grass Catcher Assembly

Tools, repair and test equipment

- Philips #2 Screwdriver

Spare Parts

- Carry handle (24)
- Grass catcher lid (26)
- Grass catcher (27)
- Support frame (28)

Time required - 15 Minutes

When to replace the grass catcher

- **Visible physical damage:** Damaged grass catcher

Repair Procedures:



1. Discard the old grass catcher and reassemble a new one.
2. Slide the ends of the support frame (28) into the grooves of the grass catcher lid (26). Assemble the carry handle (24) onto the grass catcher lid (26); pay attention to the correct position and ensure the carry handle is firmly engaged in place (Fig. 24).

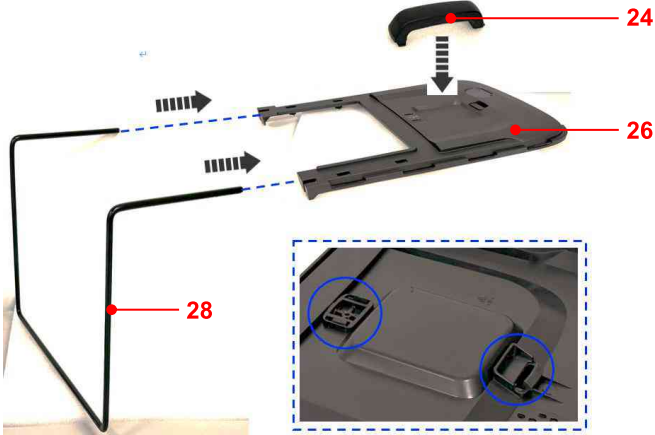


Fig. 24

3. Secure the support frame to the grass catcher lid with the 4 self-tapping screws ST4.8*16-C (29) and the carry handle with the self-tapping screw ST4.2*16-F (10) (Fig. 25).

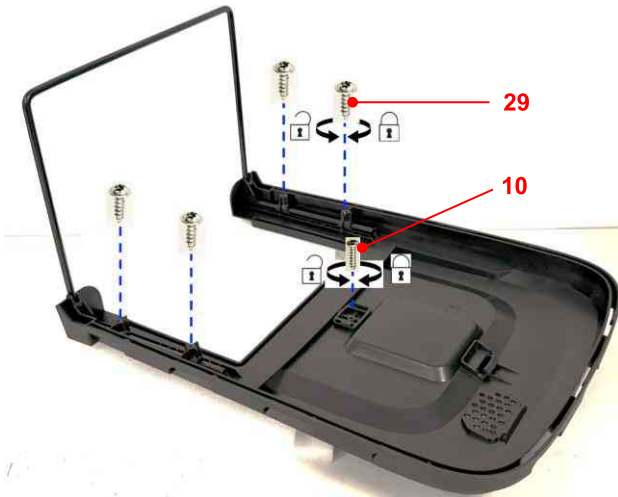


Fig. 25

- Clip the rubber lip of the grass catcher (27) fully into the tray inside the grass catcher lid (26). Clamp the grass catcher onto the support frame (28) (Fig. 26).



Fig. 26

- The grass catcher is ready for use.

6.11 Wheel Sets

Tools, repair and test equipment

- Flat-head screwdriver
- Philips #3 Screwdriver

Spare Parts

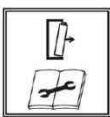
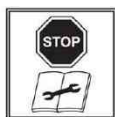
- Rear wheel (Ø 200 mm) (33)
- Front wheel (Ø 140 mm) (37)

Time required - 5 Minutes

When to replace the wheel sets

- **Visible physical damage:** Damaged wheel(s)

Repair Procedures:



1. Remove the wheel cap (36) with a flat-head screwdriver. Loosen the bolt (31) with a Philips #3 screwdriver; then remove it with the spring washer (32), flat washer (22) and old front wheel (37) from the wheel axle. Ensure to keep the flat washer (34) on the wheel axle (Fig. 27).

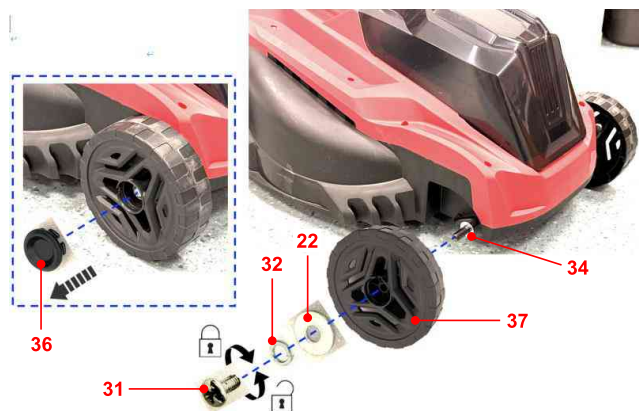


Fig. 27

2. Replace the front wheel with a new one of the same type. Attach the new front wheel (37) onto the wheel axle and secure it with the bolt, flat washer and spring washer. Refit the wheel cap (36) afterward.
3. Repeat the above steps for other wheels.

6.12 Cutting Height Adjustment Lever

Tools, repair and test equipment

- Philips #2 Screwdriver

- Philips #3 Screwdriver

Time required - 15 Minutes

Spare Parts

- Cutting height adjustment lever (83) with linkage assembly (84) and handle (87)

When to replace the cutting height adjustment lever

- **Visible physical damage:** Damaged cutting height adjustment lever, linkage assembly or handle.
- **Malfunction of linkage assembly:** The cutting height adjustment lever cannot reliably stay in position.

Repair Procedures:



1. Remove the top housing as instructed in the section “Motor Assembly → step 1 to 2”.
2. Remove the bolts (85) with a Philips #3 screwdriver to disconnect the linkage assembly (84) from the front axle tie rod (81) and rear axle tie rod (82) (Fig. 28).
3. Remove the 4 screws and 2 fixing plates to disassemble the linkage assembly (84) from the bottom housing (48) (Fig. 29).

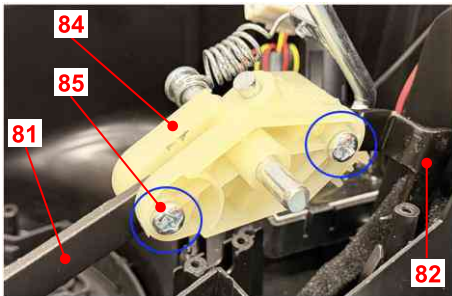


Fig. 28

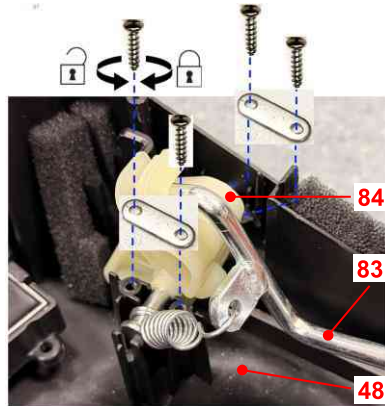


Fig. 29

4. Replace the cutting height adjustment lever (83), including the linkage assembly (84), with a new one of the same type.
5. Reassemble the linkage assembly (84) onto the front axle tie rod (81) and rear axle tie rod (82). Secure it with the bolts (85).
6. Fit the linkage assembly (84) in position onto the bottom housing (48); then secure it with the 4 screws and 2 fixing plates.
7. Assemble the top housing (90) and deflector guard (96) onto the bottom housing (48). Ensure that the torsion spring (95) is properly assembled before fixing the top housing.
8. Reassemble the handle for cutting height adjustment lever and cutting blade assembly before use.

7. Fault Trouble Shooting

Suspected malfunctions are often due to causes that the user can fix themselves. Therefore check the product using this section. In most cases the problem can be solved quickly.



WARNING! Only perform the steps described within these instructions!

All further inspection, maintenance and repair work must be performed by an authorised service centre or a similarly qualified specialist if you cannot solve the problem yourself!

Problem	Possible cause	Solution
1. Product does not start	1.1. Battery packs are not properly attached 1.2. Battery packs are discharged 1.3. Battery packs are hot 1.4. Battery packs are damaged 1.5. Incorrect methods to start the product 1.6. Other electrical defect to the product	1.1. Attach properly 1.2. Remove and charge battery packs 1.3. Remove and let them cool 1.4. Check by a specialist electrician 1.5. Press the switch button and hold it in position, then pull the start lever to start the product 1.6. Check by a specialist electrician
2. Product does not reach full power	2.1. Battery pack capacity is too low 2.2. Air vents are blocked	2.1. Charge battery packs 2.2. Clean the air vents
3. Unsatisfactory cutting result	3.1. Cutting blade is dull / damaged 3.2. Cutting material exceeds capacity 3.3. Cutting height is incorrect	3.1. Replace with a new one 3.2. Only cut materials according to the product capacity 3.3. Adjust the cutting height
4. Product suddenly stops	4.1. Battery packs are discharged 4.2. Battery packs are too hot 4.3. Cutting blade is blocked	4.1. Remove and charge battery packs 4.2. Remove battery packs and let them cool down 4.3. Remove blockage
5. Excessive vibration or noise	5.1. Cutting blade is dull / damaged 5.2. Cutting material exceeds capacity 5.3. Cutting height is incorrect 5.4. Bolts / nuts are loosened	5.1. Replace with a new one 5.2. Only cut materials according to the product capacity 5.3. Adjust the cutting height 5.4. Tighten bolts / nuts

8. Technical Bulletins

We systematically document issues identified during product use, along with corresponding solutions – including component adjustments, additions, or removals. Updated product repair instructions will be distributed to stores.



Manufacturer

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