

Pool lift: METALU S-400

Battery-powered pool lift.

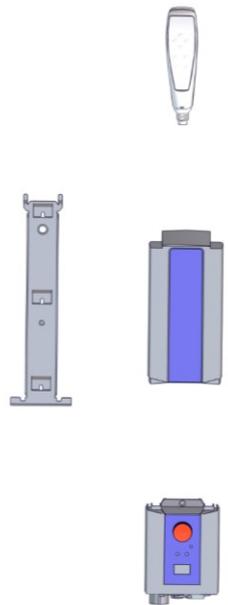
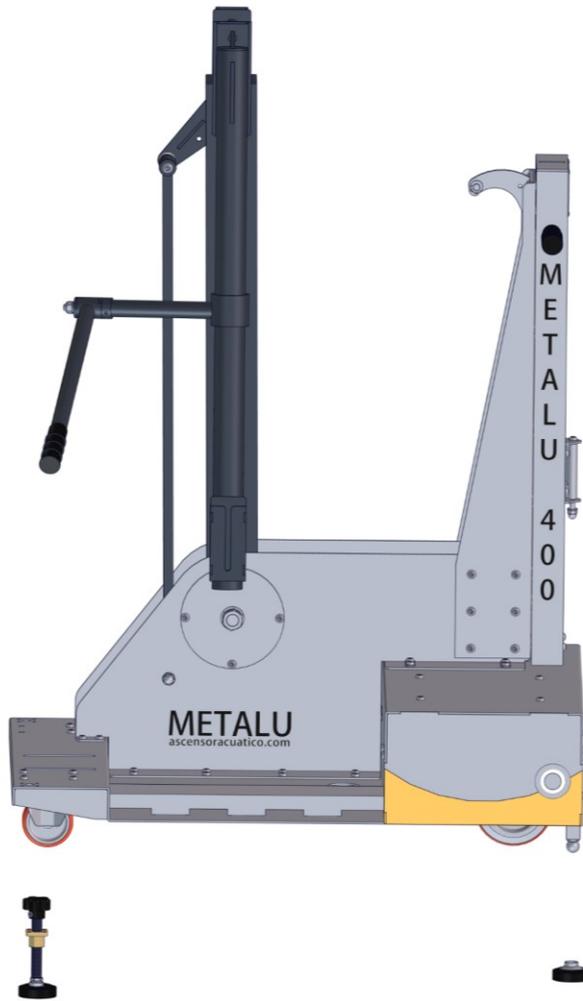
Designed for in-ground pools.



METALU
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5
años
GARANTÍA
En todo el repuesto

*Tear-down and
troubleshooting.*





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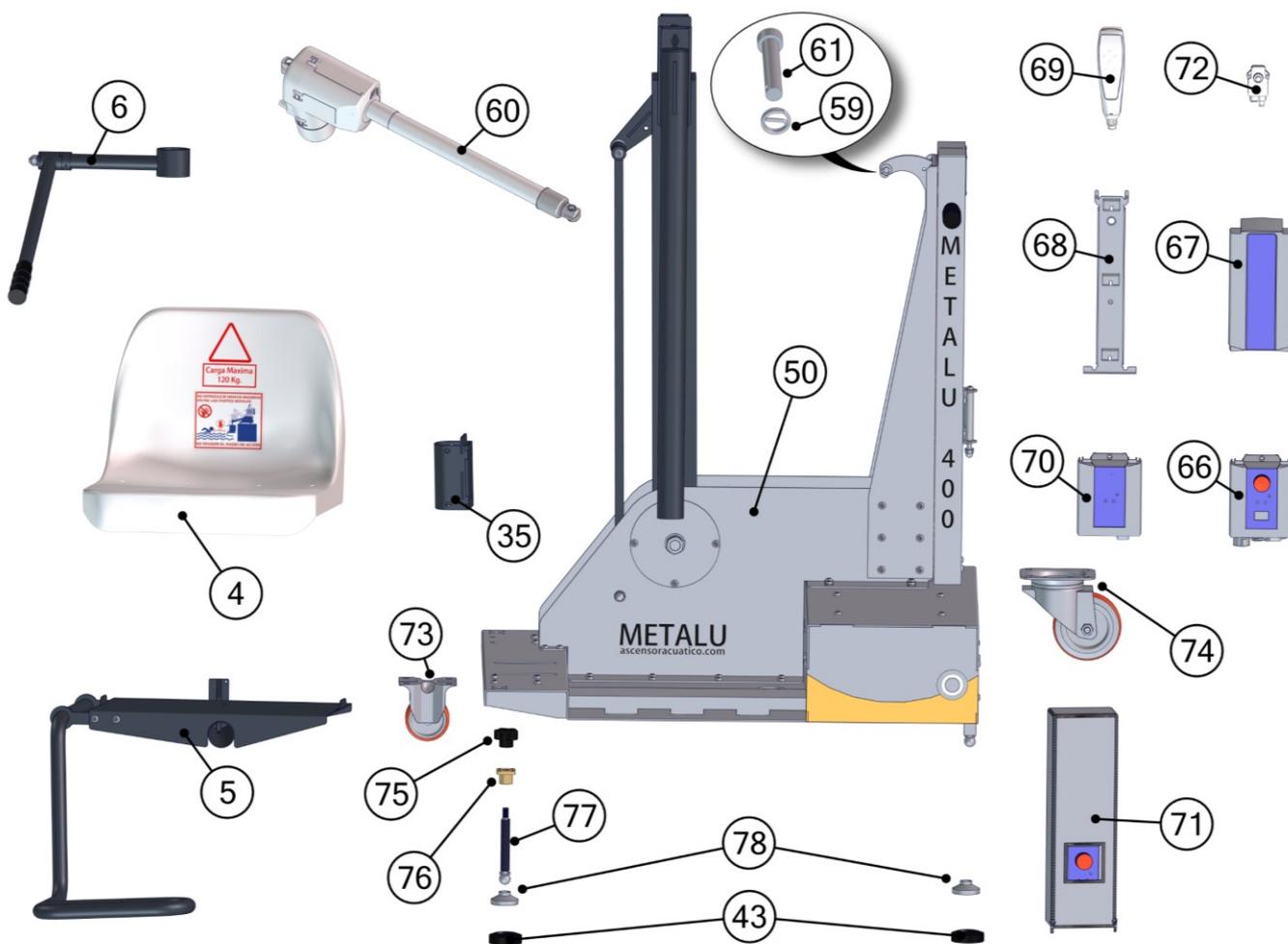
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1. Tear-down and spare parts.

The following is a list of the main spare parts of the lift. To replace any other component contact the METALU offices.

4	Seat	68	Motor support
5	Seat base and footrest	69	Controller or button panel
6	Armrest	70	Battery charger
35	Seat holder	71	Battery cover and control box
43	Front and back seat supports cover	72	Electrical system microswitch
50	Lift body	73	Front wheel
59	Actuator linchpin ring	74	Back wheel
60	Actuator	75	Front support knob
61	Actuator linchpin	76	Inside nut of the front support
66	Control box	77	Levelling nut of the front support
67	Battery	78	Front and back support leveller



Tear-down and spare parts of the METALU S-400 lift



2. Fault-finding and troubleshooting

Before performing an action, make sure that all the pins are well inserted. Perform the following actions in the order given for both models.

1. **The lift doesn't go up or down (METALU S-600):**

It is very important to consider that the battery supplies the 24V components.

1.1 **Charger** (Part no. 70)

With the charger plugged in, check that the ON-CHARGE light goes on. If it is on, measure the voltage being output by the chargers at the metal connections¹ on the upper part. The value measured should be between 24V and 26V. If the ON-CHARGE light does not go on, or the indicated output voltage is not within the indicated value, **change the charger**.

Check that the metal connections¹ connected to the battery are not sunken; if they are, pull them out slightly and check that they are in contact with the metal connections¹ of the battery.

WARNING! Pulling lightly on the metal connections¹ must be done with the charger disconnected from mains power.

1.2 **Battery** (Part no. 67)

Check that the batteries are charged. If you are unsure, measure the voltage being output from the metal connections¹ in the lower part of the battery, which should be between 24V and 26V. Check that they are not sunk in; if they are, pull lightly on the metal connections¹ and check that they are in contact with the metal connections¹ of the charger. If the battery is not charging, **change the battery**.

All batteries wear out as they go through work and charge cycled, so it may happen that, eventually, it will stop providing enough amps, even if it is fully charged. By inserting a battery in the control box, it is possible that it shows that the battery is fully charged. However, if it discharges quickly when operating the battery, it means it is in poor condition. In this case, **change the battery**.

1.3 **Control box** (Part no. 66)

If the battery is charged, place it on the control box and check that the batter charge level indicator lights are on. If the bars don't light up, check that the metal connections¹ in the upper part of the control box are not sunk in. If they are, pull lightly on the metal connections¹ and check that there is good contact between them and the battery. Release the emergency stop button. If the bars don't light up after performing this action, **change the control box**.

1.4 **Controller or button panel** (Part no. 69)

Make sure the connection to the control box is properly set in. Press the lift button on the controller. You should hear a "click" in the control box. Then press the lower button and you should hear another "click" in the control box. If you don't hear a "click", **change the controller or button panel**.

¹ - See the explanation regarding the metal connections on page 6.

1.5 **Linear actuator and electrical system microswitch** (Parts no. 60 and 72)



Check (disconnect and connect) that the actuator pin is properly introduced in the electrical system microswitch.

Check (disconnect and connect) that the electrical system microswitch pin is properly introduced in the control box.

Did this fix the problem?

- Answer: Yes. You can keep using the lift.
- Answer: No. Continue with the following instructions.
 - Disconnect the actuator pin in the microswitch.
 - Disconnect the microswitch pin in the control box.
 - Connect the actuator pin in the control box.

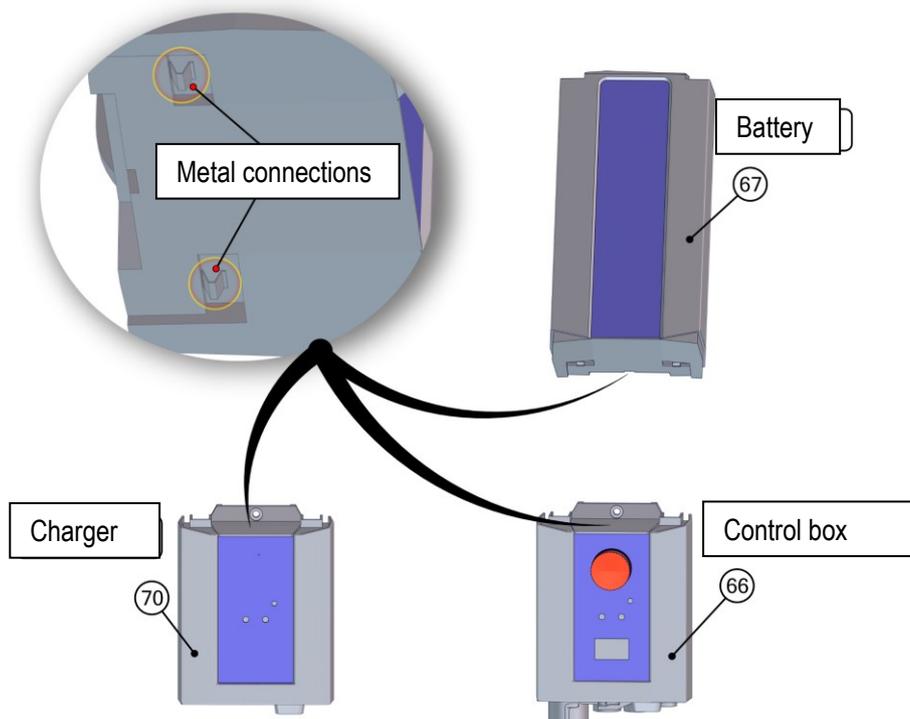
Did this fix the problem?

- Answer: No. Change the actuator. (*Part no. 60*).
- Answer: Yes. Change the electrical system microswitch. Do not use the lift until the microswitch has been replaced. (*Part no. 72*).

➤ **Important clarification:**

1- The following image shows where the **metal connections** or electrical contacts are located:

- **Battery:** lower part
- **Charger:** upper part
- **Control box:** upper part



MANUFACTURAS METÁLICAS LUISIANERAS, S.L.

Ascensor acuático a batería modelo METALU S-400

Despiece y solución de problemas

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