



PULSAR
Service Manual

wallbox

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Important Information

Introduction and Scope

The purpose of this document is to describe the process of replacing service parts of the Pulsar charger's hardware system.

Intent of this service manual is to lend a hand to our service partners in replacing the service parts.

This document enlists step by step procedures along with graphical description of the replacement procedure for various hardware parts.

Safety Recommendations

- Follow all the safety instructions carefully. Failure to follow instructions may be a safety hazard and/or cause equipment malfunction.
- Any resulting damage due to disregard or actions contrary to the instructions in this manual is excluded from the product warranty.

Legal Notice

- Any information in this manual may be changed without prior notice and does not represent any obligation on the part of the manufacturer.
- Images in this manual are for illustration purposes only and might differ from the delivered product.

Safety and Maintenance Instructions

- Installation, maintenance, & servicing of the charger must be performed only by qualified personnel per the applicable local regulations.
- Unauthorized installation and, servicing, and modifications make the manufacturer warranty void.
- Power off the charger before opening the cover or cleaning the unit.
- Do not use cleaning solvents on any part of the charger. Use a clean, dry cloth to remove dust and dirt.
- Do not open the cover in rain.

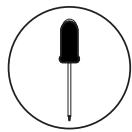
Introduction and Scope

- Wallbox warrants this product against defects in materials and workmanship for a period of 2 years from the date of purchase. • During this period, at its discretion, Wallbox will either repair or replace any defective product at no charge to the owner. • Replacement products or repaired parts will be guaranteed for only the unexpired portion of the original warranty or six months whichever is greater.
- Any defect resulting from any accident, misuse, improper maintenance, or normal wear and tear is not covered by the limited warranty. • Substitution or incorporation of any part by the client will be considered as incorrect usage. • Except to the extent permitted by applicable law, the terms of this limited warranty do not exclude, restrict, or modify, and are in addition to, the mandatory statutory rights applicable to the sale of the product to you. If you believe your product is defective, contact Wallbox for instructions on where to send or bring it for repair. EN Disposal Advice In accordance to the directive 2012/19/EC, at the end of its useful life, the product should not be disposed off as urban waste. It should be taken to a collection center or a distributor that provides disposal of special and differentiated waste.

Required Materials



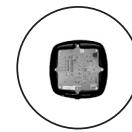
Torx T9
Screwdriver



Star
Screwdriver



Pulsar
opening tool



Spare part to be replaced:
Control board + Cover,
Power board, Power Supply Unit

Plastic Cover Replacement

The front plastic cover of Pulsar is replaceable if damaged. The front plastic cover encloses the control board. However, if the control board is working properly, only the front plastic cover shall be replaced.

Removing the old plastic cover

1. Turn off the power supply to the charger.



2. Unscrew the Torx screw at the bottom of the charger using a Torx T9 screwdriver and save it for later use.



3. Using the opening tool, unclip the cover from the charger's body.



5. Unscrew the outer 12 screws that hold the Control board and the LED Halo with the front plastic cover and save them for later.



4. Carefully remove the communications cable from the front plastic cover of the charger.



Ensure that the communications cable is detached gently from the connector. Do not pull or apply excessive force to remove the cable.

6. Keep the control board and the LED Halo aside for later use.



Keep the removed front plastic cover aside for safe disposal.

Attaching the new plastic cover

1. Place the Control board and the LED Halo on the new front plastic cover and screw the 12 screws that were removed while detaching the control board and LED Halo from the cover.



2. Connect the ribbon cable to the connector on the Control board and close the charger.



3. Position the top clip points of the cover on the charger body. Clip first the lateral clips to the charger body and then the bottom clips.



4. Insert and then tighten the Torx screw in the bottom of the charger to secure the front plastic cover and restore the power supply to the charger.



5. Restore the power supply to the charger.



Control board and Plastic Cover Replacement

The Control board of the Pulsar charger is enclosed within the front plastic cover and LED Halo of the charger.

The Control board and front plastic cover of the Pulsar charger, if malfunctioning or damaged can be replaced by performing the following steps:

Removing the old Control board and the plastic cover

1. Turn off the power supply to the charger.



2. Unscrew the Torx screw at the bottom of the charger using a Torx T9 screwdriver and save it for later use.



3. Using the opening tool, unclip the cover from the charger's body.



Keep the old Control board aside for return or disposal.

4. Carefully remove the communications cable from the front plastic cover and body of the charger.



Ensure that the communications cable is detached gently from the connector. Do not pull or apply excessive force to remove the cable.

Attaching the new Control board and the Plastic cover

1. Carefully attach the communications cable to the connector on the Control board and close the charger.



2. Position the top clip points of the cover on the charger body. Clip first the lateral clips to the charger body and then the bottom clips.



3. Place the sticker with the new Serial Number on top of the old sticker.



4. Insert and then tighten the Torx screw in the bottom of the charger to secure the front plastic cover.



5. Restore the power supply to the charger.



Power Board Replacement

The Power board of the Pulsar charger is enclosed within the plastic body of the charger. The Power board, if malfunctioning or damaged can be replaced by performing the following steps:

Removing the old Power board

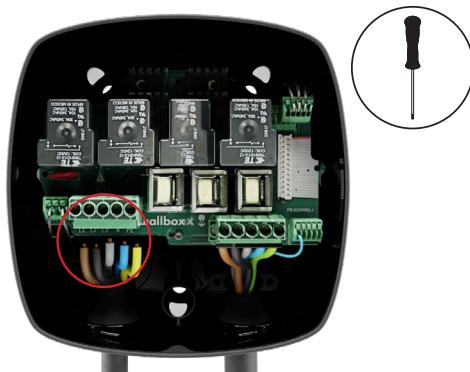
1. Turn off the power supply to the charger.



3. Using the opening tool, unclip the cover from the charger's body.



5. Using a screwdriver remove the power input cables.



2. Unscrew the Torx screw at the bottom of the charger using a Torx T9 screwdriver and save it for later use.



4. Carefully remove the communications cable from the body of the charger.



Ensure that the communications cable is detached gently from the connector. Do not pull or apply excessive force to remove the cable.

6. Remove the cables that are connected to the Power Supply unit. Use a screwdriver to release the cables from the connectors



Ensure to remember the right configuration of cables with their respective levers. If it helps, note down the configuration on a piece of paper for your reference.

7. Using a screwdriver remove the control pilot cable from the connector.



8. Using a screwdriver remove the power output cables.



9. Unscrew the four screws that hold the Power board to the body of the charger. Save them for later use.



10. Keep the old Power board aside for return or disposal.



Attaching the new Power board

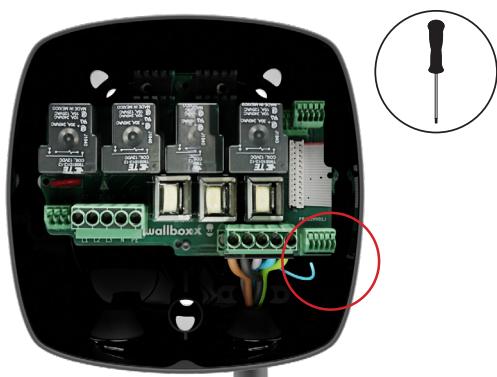
1. Insert and tighten the four screws to secure the Power board to the charger's body.



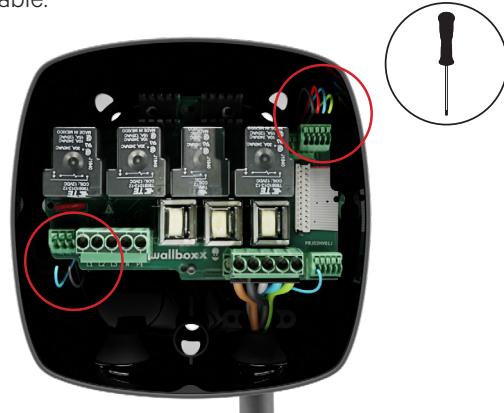
2. Insert the power output cables in their connectors and tighten the screws one by one in a sorted manner.



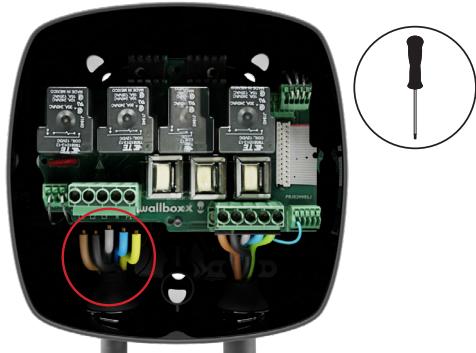
3. Insert the control pilot cable in the connector by pressing the connector levers with a screwdriver and then insert the cable.



4. Insert the cables that are connected to the Power Supply unit. Use a screwdriver to press the connector levers and then insert the cable.



5. Insert the power input cables in their connectors and tighten the screws one by one in a sorted fashion.



Check that the power input cables are fixed properly.

6. Get the front plastic cover and connect the communications cable to the Power board.



7. Position the top clip points of the front plastic cover on the charger's body. Clip first the lateral clips to the charger's body and then the bottom clips. Make sure the 8 clips are properly placed.



8. Insert and then tighten the Torx screw in the bottom of the charger to secure the front plastic cover.



9. Restore the power supply to the charger.



Power Supply Unit

The Power Supply unit for Pulsar can be replaced if damaged. The Power Supply unit is enclosed within the charger's body and connected to the Power board.

Removing the old Power Supply Unit

1. Turn off the power supply to the charger.



2. Unscrew the Torx screw at the bottom of the charger using a Torx T9 screwdriver and save it for later use.



3. Using the opening tool, unclip the cover from the charger's body.

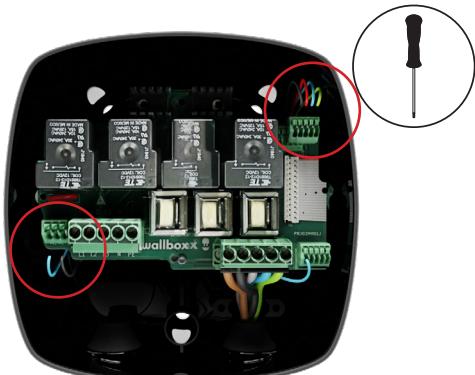


4. Carefully remove the communications cable from the body of the charger.



Ensure that the communications cable is detached gently from connector. Do not pull or apply excessive force to remove the cable.

5. Remove the cables that are connected to the Power Supply unit. Use a screwdriver to release the cables from the connectors



6. Using a screwdriver remove the power input and output cables.



7. Using a screwdriver remove the control pilot cable from the connector.



8. Unscrew the four screws that hold the power board to the body of the charger. Save them for later use.



Keep the Power board aside.

9. Unscrew the four screws that hold the Power Supply unit to the Body



10. Keep the Power Supply Unit aside for return or disposal.



Attaching the new Power Supply Unit

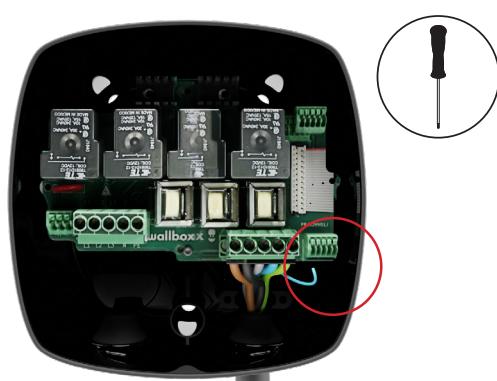
1. Get the new Power Supply unit and place it in on the charger's body.



3. Place the Power board on the charger's body and secure it to the chargers body by tightening the four screws.



5. Insert the control pilot cable in the connector by pressing the connector levers with a screwdriver and then insert the cable.



2. Insert and tighten the four screws to secure the Power Supply unit to the charger's body.



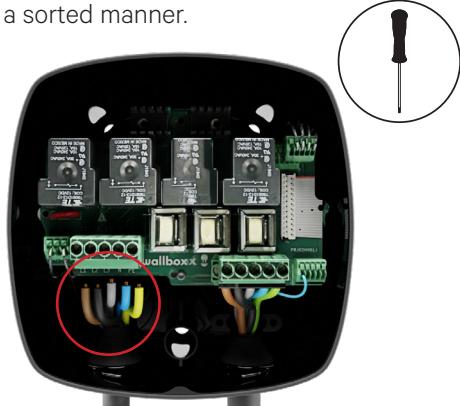
4. Insert the power output cables in their connectors and tighten the screws one by one in a sorted manner.



6. Insert the cables that are connected to the Power Supply unit. Use a screwdriver to press the connector levers and then insert the cable.



7. Insert the power input cables in their connectors and tighten the screws one by one in a sorted manner.



Check that the power input cables are fixed properly.

8. Get the front plastic cover and connect the communications cable to the Power board.



9. Position the top clip points of the front plastic cover on the charger's body. Clip first the lateral clips to the charger's body and then the bottom clips. Make sure the 8 clips are properly placed.



10. Insert and then tighten the Torx screw in the bottom of the charger to secure the front plastic cover.



11. Restore the power supply to the charger.



Service

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