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> Moulinex Tefal Blender PCB Replacement Manual for Perfectmix+ Series (BL81, BL82, LM811, LM815)

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Moulinex Tefal Blender PCB Replacement Manual

For Perfectmix+ Series Blenders (Models BL81, BL82, LM811, LM815)

1. INTRODUCTION

This document provides detailed instructions for the safe and effective replacement of the power electronic board (PCB) in compatible Moulinex and Tefal Perfectmix+ series blenders. This replacement part is designed to restore the full functionality of your appliance.

Please read this manual thoroughly before attempting any installation or repair to ensure proper procedure and safety.

2. SAFETY INFORMATION

Warning: Electrical appliances can be dangerous. Always follow these safety precautions:

- Always unplug the blender from the power outlet before performing any maintenance, cleaning, or replacement procedures.
- Ensure your hands are dry before handling electrical components.
- Discharge any residual electrical charge by waiting a few minutes after unplugging before touching internal components.
- If you are not comfortable with electrical repairs, seek assistance from a qualified technician.
- Do not operate the blender with damaged components or if the housing is open.
- Keep children and pets away from the appliance during repair.

3. PRODUCT OVERVIEW

This replacement power electronic board is an original component designed for specific Moulinex and Tefal Perfectmix+ blender models. It controls the various functions and power delivery of the blender.

Compatible Models:

This PCB is compatible with the following blender series:

- **Moulinex Perfectmix+:** LM8111, LM811D, LM815D, LM81G8, LM81GD, LM82AD series (e.g., LM811132/870, LM811D10/870, LM815D27/870, LM815D28/870, LM815D56/870, LM81G810/871,

LM81GD10/870, LM82AD10/870)

- **Tefal Perfectmix+:** BL8111, BL811A, BL811D, BL813D, BL815E, BL81G8, BL81GD, BL82AD, BL82BA, BL82DE, BL82TE series (e.g., BL811138/870, BL811AKR/870, BL811D38/870, BL811D40/870, BL811DKR/870, BL811DMX/870, BL813DKR/870, BL815E31/870, BL815EKR/870, BL81G831/871, BL81GDKR/871, BL82AD31/870, BL82AD40/870, BL82AD56/871, BL82AD60/871, BL82ADKR/871, BL82BAKR/870, BL82DEKR/871, BL82TEKR/871)
- **Krups:** KB4031, KB403D series (e.g., KB403111/870, KB403D11/870)
- **OBH Nordica:** LH811D series (e.g., LH811DS0/870)

Always verify compatibility by checking your product's nameplate, usually located under the appliance.

Product Images:

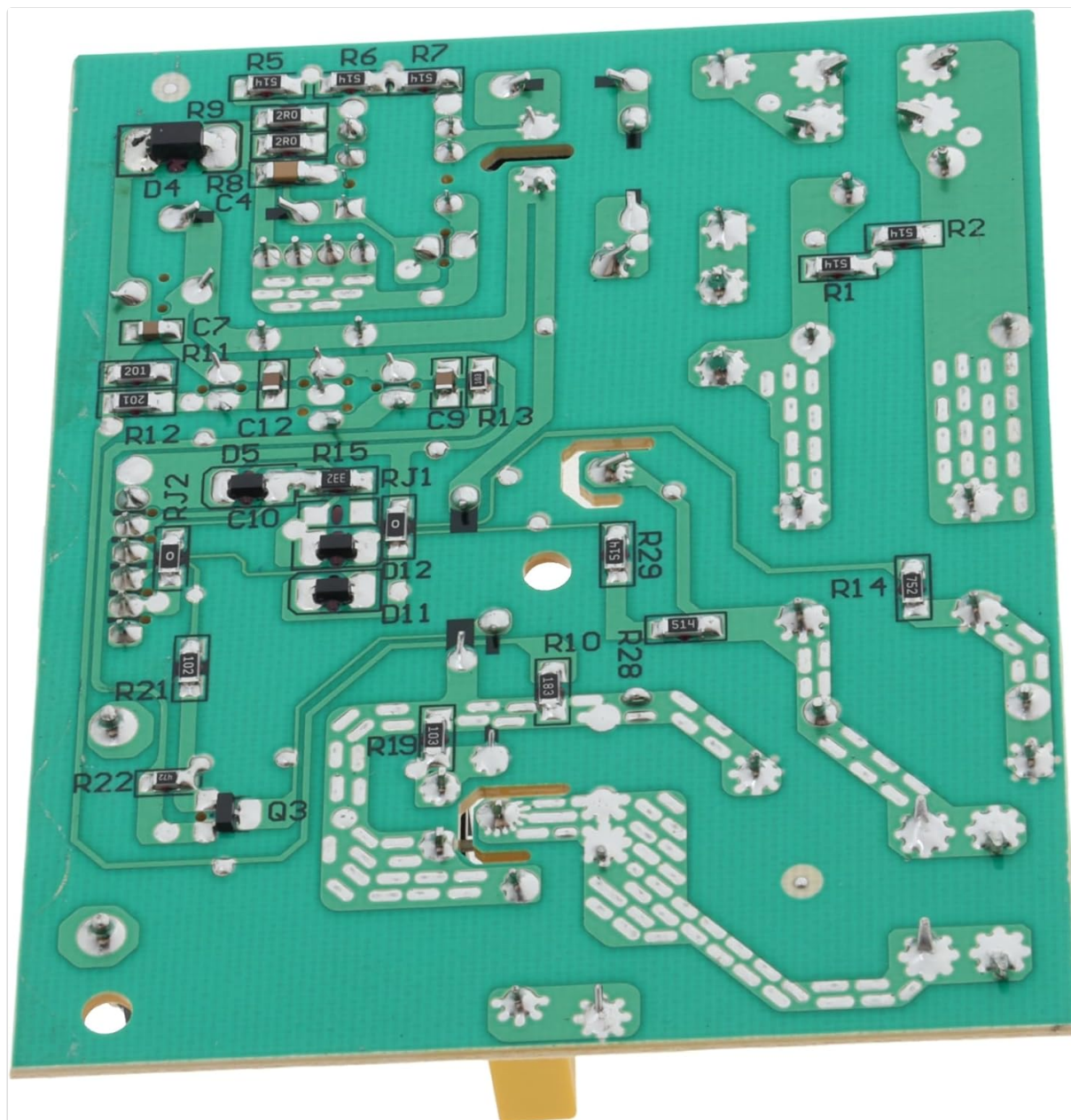


Figure 1: Example of the replacement PCB for Moulinex Tefal blenders, top view showing electronic circuits and components.

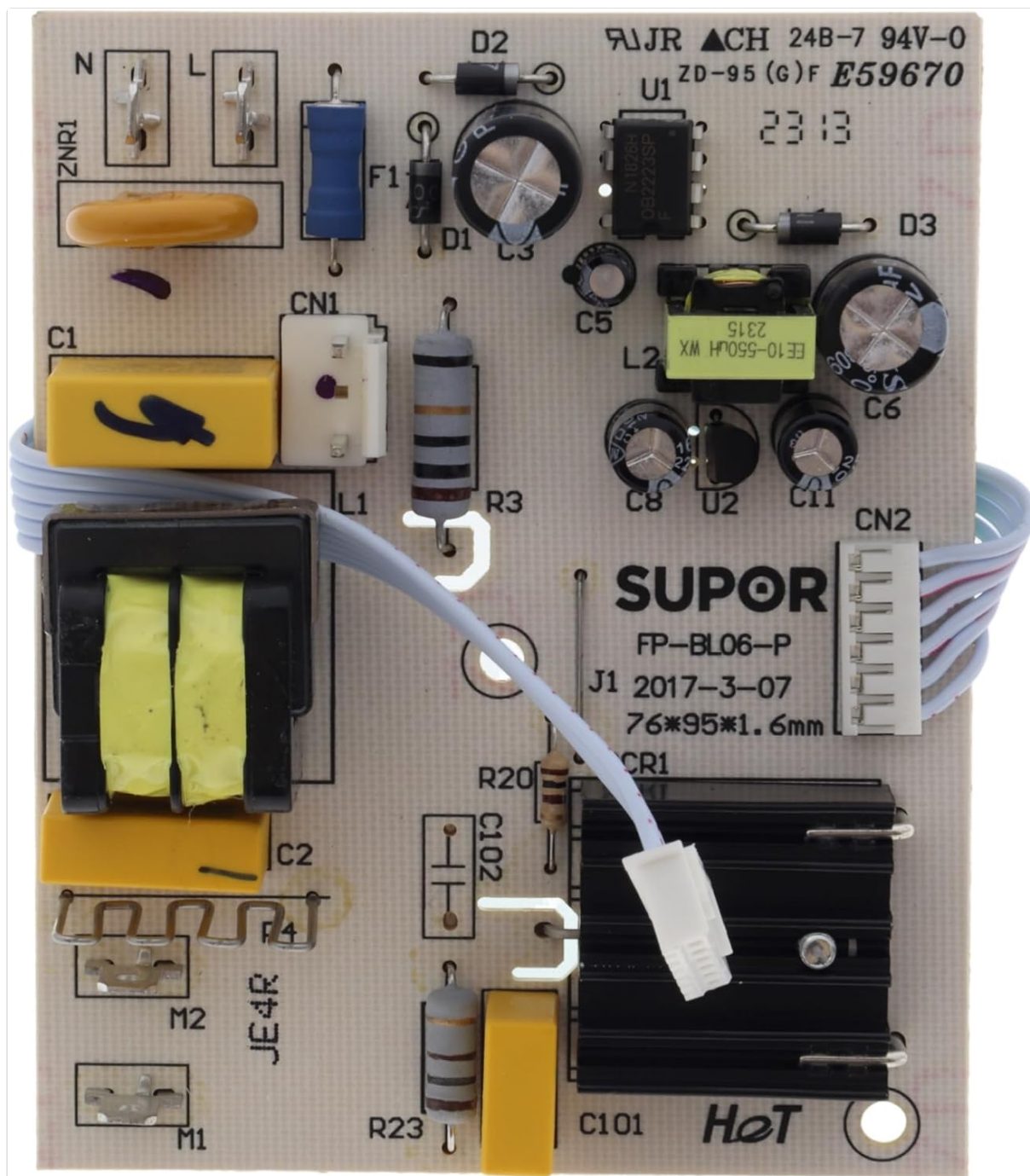


Figure 2: Detailed view of a compatible blender PCB, showing various electronic components and connectors. Note: Actual appearance may vary slightly depending on the specific blender model.

4. INSTALLATION GUIDE

This section outlines the general steps for replacing the PCB. Specific disassembly and reassembly procedures may vary slightly depending on your blender model. Refer to your blender's original service manual if available.

4.1. Required Tools:

- Screwdriver set (Phillips, Torx, or flathead, as required by your blender model)
- Pliers (optional, for stubborn connectors)
- Anti-static wrist strap (recommended for handling electronic components)

4.2. Preparation:

1. **Unplug the Blender:** Ensure the blender is completely disconnected from the main power supply.

2. **Clear Workspace:** Prepare a clean, well-lit, and stable workspace.
3. **Discharge:** Wait at least 5 minutes after unplugging to allow any residual charge in capacitors to dissipate.

4.3. Disassembly:

1. Carefully locate and remove all screws securing the blender's base or housing. These are typically on the bottom or sides.
2. Gently separate the housing components to expose the internal electronics. Be mindful of any wires connecting the parts.
3. Identify the existing PCB. It is usually a rectangular or square board with numerous electronic components and wires connected to it.
4. Before disconnecting, take clear photos of all wire connections to the PCB. This will serve as a reference for reassembly.
5. Carefully disconnect all wires and connectors from the old PCB. Note their positions.
6. Remove any screws or clips holding the old PCB in place and carefully lift it out.

4.4. PCB Replacement:

1. Handle the new PCB by its edges to avoid touching components or connectors directly.
2. Position the new PCB in the same location as the old one, ensuring it aligns correctly with mounting points.
3. Secure the new PCB with the screws or clips removed earlier. Do not overtighten.
4. Refer to your photos and carefully reconnect all wires and connectors to their corresponding terminals on the new PCB. Ensure all connections are firm and correctly oriented.

4.5. Reassembly:

1. Carefully reassemble the blender housing, ensuring no wires are pinched or obstructing the closing mechanism.
2. Secure all screws removed during disassembly.
3. Ensure all parts fit together snugly and there are no gaps in the housing.

5. FUNCTIONAL TEST

After reassembly, perform a functional test to ensure the PCB is correctly installed and the blender operates as expected.

1. Plug the blender back into a power outlet.
2. Place the blender jar securely on the base (without contents).
3. Turn the blender on to a low setting. Listen for normal motor operation.
4. Test different speed settings and functions (e.g., pulse, if applicable).
5. If the blender operates normally, the PCB replacement was successful.

6. MAINTENANCE

The electronic board itself requires minimal maintenance. To ensure its longevity and proper function:

- Keep the blender clean and dry. Avoid liquid spills near the base.
- Ensure proper ventilation around the blender during operation to prevent overheating of internal components.
- Do not attempt to clean the PCB directly with liquids. If cleaning is necessary, use a dry, soft brush or

compressed air after unplugging the appliance.

7. TROUBLESHOOTING

If you encounter issues after replacing the PCB, consider the following:

- **Blender does not turn on:**
 - Check if the blender is properly plugged into a working power outlet.
 - Verify all wire connections to the PCB are secure and correctly placed (refer to your photos).
 - Ensure the blender jar is correctly seated on the base, activating any safety interlocks.
- **Blender operates intermittently or with incorrect speeds:**
 - Recheck all connections to the PCB for looseness or incorrect placement.
 - Ensure the control knob or buttons are functioning correctly and making proper contact.
- **Unusual noises or smells:**
 - Immediately unplug the blender.
 - This could indicate a short circuit or component failure. Do not attempt to operate the blender. Contact support.

If troubleshooting steps do not resolve the issue, it is recommended to contact a qualified service technician or the seller for further assistance.

8. SPECIFICATIONS

Brand	Moulinex
Compatible Models	Moulinex Perfectmix+ (LM8111, LM811D, LM815D, LM81G8, LM81GD, LM82AD series), Tefal Perfectmix+ (BL8111, BL811A, BL811D, BL813D, BL815E, BL81G8, BL81GD, BL82AD, BL82BA, BL82DE, BL82TE series), Krups (KB4031, KB403D series), OBH Nordica (LH811D series)
Dimensions (L x W x H)	8 x 5 x 10 cm (approximate, for the component)
Material	Electronic components, Printed Circuit Board (PCB)
Item Weight	100 g
ASIN	B09DGTHTTW
Manufacturer	Moulinex
Country of Origin	Italy

9. WARRANTY AND SUPPORT

This product is an original replacement part. For specific warranty information regarding this component, please refer to the terms and conditions provided by the original seller or manufacturer at the time of purchase. As a genuine replacement part, it is expected to meet the quality standards of Moulinex/Tefal.

If you have any questions, require further assistance with installation, or encounter issues not covered in

this manual, please contact the seller directly for support.