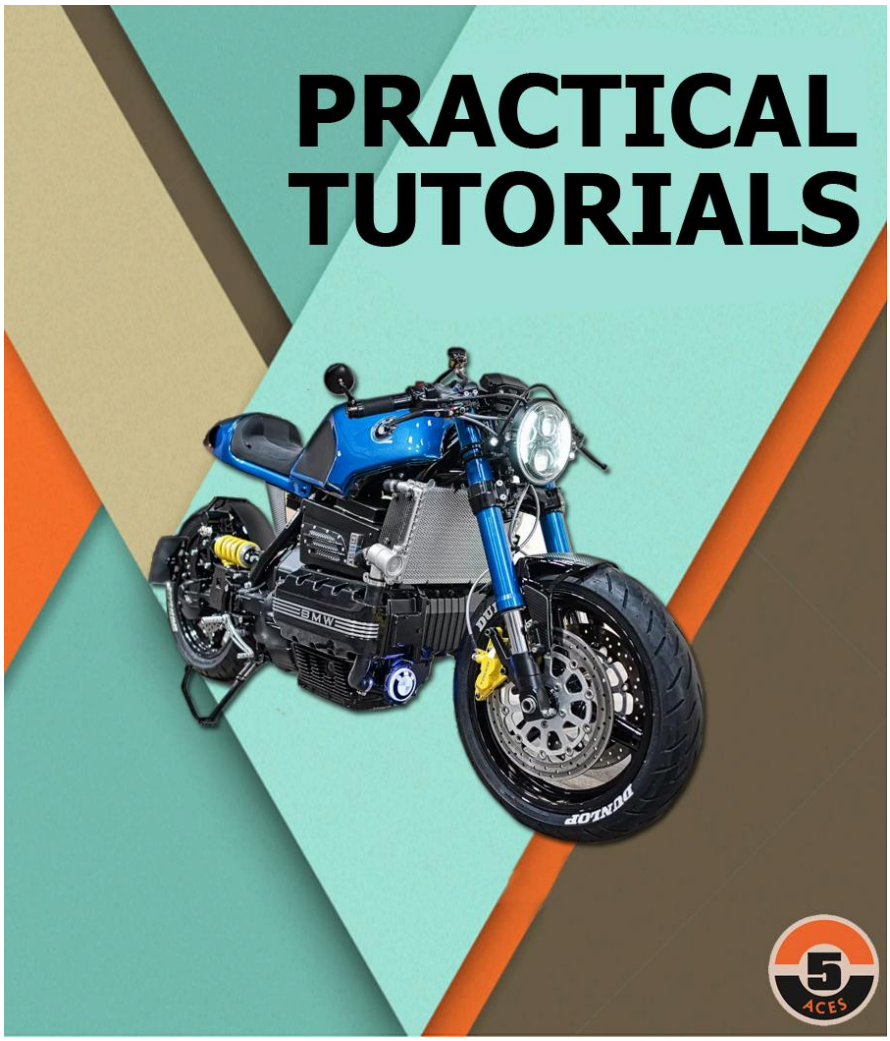

Flashing unit modification

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Overview

“Handy Tutorials for Modifying and Controlling Your Motorcycle” are designed to provide motorcycle enthusiasts with detailed, easy-to-follow guides. These tutorials cover a variety of topics from aesthetic customization, to improving mechanical performance, to controlling and monitoring the various features of your motorcycle.

Whether you are an experienced rider or a beginner, these tutorials will give you the skills needed to make modifications safely and optimize the performance of your motorcycle.

Some of the photos in these tutorials were written by external contributors and taken from the Internet. These contributions help enrich the content with varied perspectives and additional technical information.

Features

Step-by-step guides : Each tutorial is detailed with clear instructions, photos, and practical tips to help you succeed in each modification.

Educational approach : The tutorials are designed to be accessible to all levels, with simple explanations and tips to avoid common mistakes.

Regular updates : The content is updated to include the latest techniques and technologies available in the motorcycle market.

Safety first : Each tutorial focuses on the precautions you need to take to work safely on your motorcycle.

Wide range of topics : The tutorials cover various aspects, such as modifying the exhaust system, tuning the suspension, installing electronic gadgets, and much more.

Major steps

1. **Preparation and safety:**
    - Gather all the necessary tools and equipment before you begin.
    - Make sure you have a clean, well-lit workspace.
    - Wear protective equipment (gloves, safety glasses, etc.) depending on the task at hand.
    - Read all instructions carefully before beginning any modification.
2. **Choice of modification or control:**
    - Select the feature you want to modify or control (e.g. improve engine performance, install a new exhaust, etc.).
    - Identify the necessary parts and make sure you have them on hand.
3. **Disassembly of the motorcycle:**
    - Follow the instructions to disassemble parts from your motorcycle, if necessary. Be methodical and note the location of each piece.
    - Store screws and small parts in labeled boxes to avoid losing them.
4. **Installation or adjustment:**
    - Install the new part or make the adjustment following the steps indicated.
    - Check that each component is secure and functioning properly.
5. **Final check and test:**
    - Once you've finished editing, do a final check to make sure everything is in order.
    - Test the motorcycle in a safe environment to verify that any modifications you make work as intended.
6. **Maintenance and follow-up:**
    - Take note of the regular maintenance needed to keep new modifications in good condition.
    - Pay attention to possible signs of malfunction or need for adjustment after the first few uses.

Flashing unit modification

Materials needed:

- Screwdriver (to dismantle the control unit)
- Soldering iron (optional, if soldering needs to be redone)
- Cutter or track cutting tool
- Magnifier (optional, to better see tracks and components)

Step 1: Remove the turn signal unit

1. **Locate the flashing unit:**
   - It is located in the fuse box.

2. **Dismantle the control unit:**
   - Disconnect the battery for safety reasons.
   - Remove the control unit from its housing by unscrewing or unclipping the fasteners depending on your vehicle.

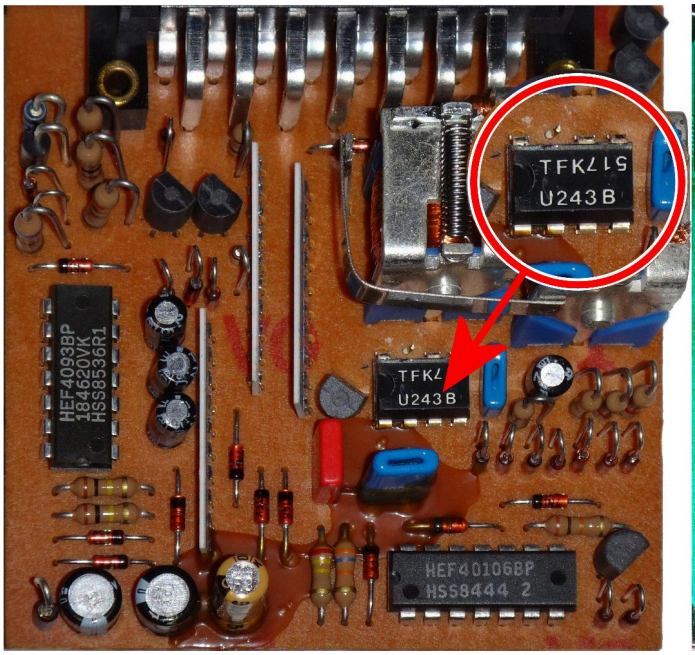
Step 2: Open the flasher unit

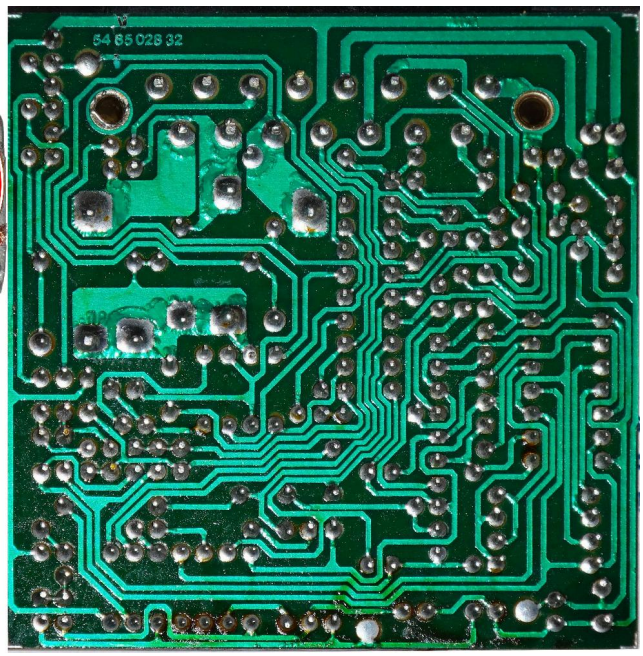
1. **Open the case:**
   - Carefully open the control panel housing. This may involve unscrewing screws or unclipping plastic tabs.
   - Once the case is opened, you will see the printed circuit containing the electronic components.

Step 3: Locate the TFK U2043B component

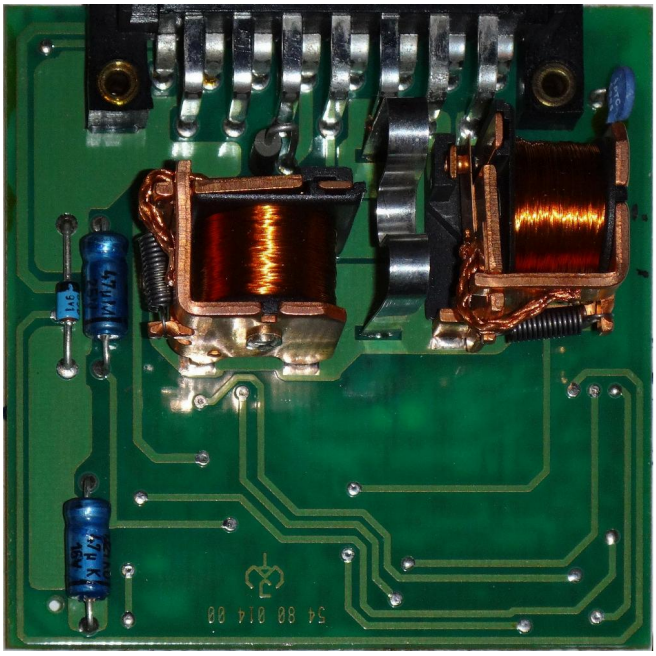
1. **Identify the component:**
   - On the electronic board, look for the component marked "TFK U2043B". This component is generally in a DIP-8 package, which means that it has 8 legs (4 on each side).

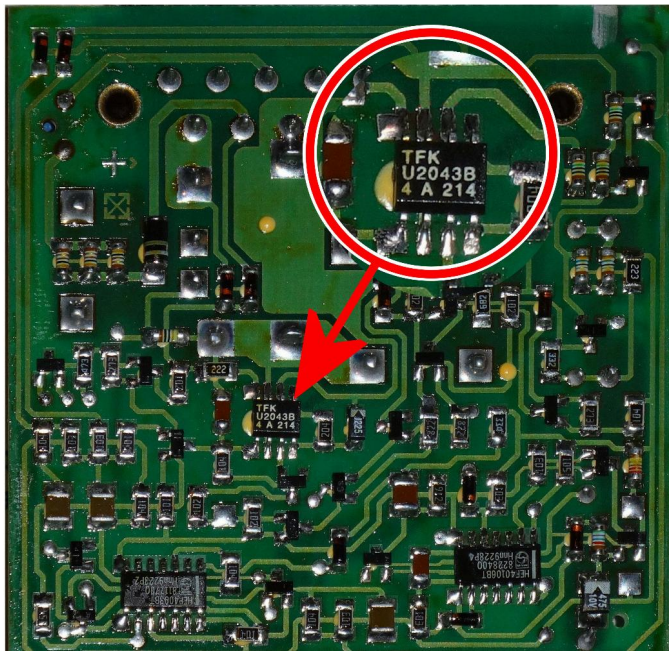
- You can use a magnifying glass to check the markings if they are difficult to read.





Printed circuit of the flashing unit, green box





Printed circuit of the flashing unit, black box

Step 4: Edit Track

1. **Locate leg no. 7:**
   - By observing the component, identify pin #7. The legs of DIP packages are numbered counterclockwise from a notch or mark on the package. Leg #7 is therefore at the opposite corner to leg #1.
2. **Cut the track of leg no. 7:**
   - Use a cutter or similar tool to cut the track that connects leg #7 of the TFK U2043B to the rest of the circuit. Be careful not to damage other tracks or components around it.

Step 5: Check and reassemble

1. **Verification :**
   - Make sure that the track is well cut and that there is no longer any connection between pin no. 7 and the rest of the circuit.
2. **Reassemble the control unit:**
   - Place the circuit board back into the case and close it carefully.
   - Reassemble the indicator unit in its housing on the vehicle.

3. **Reconnect the battery and test:**
   - Reconnect the vehicle battery.
   - Test the turn signals to make sure they work properly with the LED bulbs.

Conclusion

By following these steps, you should be able to modify your indicator unit so that it is compatible with LED bulbs while retaining the original functions. This method avoids the addition of resistors or other additional components, while being accessible even to amateur DIYers.

YouTube FR **https://www.youtube.com/shorts/Z-Zd1cnAyYM**