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TECCPO THTC04H

TECCPO Tire Repair Kit THTC04H User Manual

Model: THTC04H | Brand: TECCPO

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your TECCPO THTC04H Heavy Duty Tire Repair Kit. This kit is designed for temporary repair of punctures in tubeless tires on various vehicles, including cars, trucks, RVs, ATVs, tractors, trailers, and motorcycles. It is intended to provide a temporary solution to allow you to reach a professional tire service center for a permanent repair. Always prioritize safety and follow all instructions carefully.

2. SAFETY INFORMATION

- Always wear appropriate personal protective equipment, such as gloves and eye protection, when performing tire repairs.
- Ensure the vehicle is safely parked on a level surface with the parking brake engaged. Use wheel chocks if necessary.
- Never attempt to repair a tire that has damage to the sidewall, a large puncture (over 3cm), or a blowout. These types of damage require professional attention.
- This repair is temporary. Drive at reduced speeds and have the tire professionally inspected and permanently repaired or replaced as soon as possible.
- Keep all tools and repair materials out of reach of children.
- Do not use excessive force when inserting tools, as this may cause further damage to the tire or injury.

3. PACKAGE CONTENTS

Your TECCPO THTC04H Tire Repair Kit includes the following items:

- Storage Case
- Heavy Duty T-Handle Spiral Probe Tool
- Heavy Duty T-Handle Insert Tool
- 50 Self-Vulcanization Repair Plugs (Brown)

- Lubricating Oil Bottle
- Utility Knife
- Pliers
- Tire Pressure Gauge
- 4-Way Valve Stem Tool
- 6 Black Tire Valves
- 6 Standard Valve Cores
- 6 Black Plastic Valve Caps
- 6 Black Copper Valve Caps
- 6 Black Plastic Extension Valves
- 5 Quick Tire Repair Nails
- 2 Hex Wrenches
- 2 Needle Replacements (for T-Handle Insert Tool)
- 1 Pair of Gloves
- Accessory Storage Case



Figure 3.1: Overview of the TECCPO THTC04H Tire Repair Kit contents in its storage case.



Figure 3.2: All components of the TECCPO THTC04H Tire Repair Kit laid out for inspection.

4. SETUP

Before beginning any repair, ensure you have all necessary components from the kit and that your work area is safe and well-lit. Wear the provided gloves and eye protection.

1. Park your vehicle on a flat, stable surface. Engage the parking brake.
2. Locate the damaged tire and the puncture.
3. Gather the T-handle spiral probe tool, T-handle insert tool, repair plugs, lubricating oil, pliers, and utility knife.

5. OPERATING INSTRUCTIONS: HOW TO REPAIR A TIRE

Follow these steps carefully to perform a temporary tire repair:

1. Locate Puncture and Remove Object:

Using the pliers, carefully pull out the foreign object (nail, screw, etc.) that caused the puncture. If the object is not visible, apply soapy water to the tire surface to identify the leak by observing bubbles.

2. Ream the Hole:

Apply a small amount of lubricating oil to the tip of the T-handle spiral probe tool. Insert the spiral probe tool

into the puncture hole. Push and twist the tool in and out several times to enlarge and clean the hole, preparing it for the repair plug. This also helps to roughen the rubber for better adhesion.

3. Prepare the Repair Plug:

Remove one repair plug from its sheet. Thread the repair plug through the eye of the T-handle insert tool needle until it is about halfway through. Gently dip the needle tip and the repair plug into the jar of lubricating oil.

4. Insert the Repair Plug:

Remove the spiral probe tool from the tire. Immediately insert the T-handle insert tool with the prepared repair plug into the puncture hole. Push the tool firmly and steadily until about 1/2 to 1 inch of the repair plug is visible outside the tire.

5. Remove Insertion Tool:

While holding the sleeve of the insert tool firmly against the tire, pull the T-handle straight out of the hole. The repair plug should remain in place, sealing the puncture.

6. Trim Excess Plug:

Using the utility knife, carefully cut off any excess repair plug material, leaving approximately 1/8 to 1/4 inch of the plug sticking out, flush with the tire tread.

7. Inflate and Check:

Inflate the tire to the manufacturer's recommended pressure using a tire inflator (not included). Use the included tire pressure gauge to verify the pressure. Apply soapy water to the repaired area to check for any leaks. If bubbles appear, the repair may not be sealed properly, and you may need to re-evaluate or seek professional help.

HOW TO REPAIR THE TIRE



1 Pull out offending objects from tire with included pliers



2 Apply included lubricant prior to adding plugging material to ease plug install



3 Using spiral probe tool to enlarge the puncture to accept plugging tool



4 Insert plugging material into fork end as shown



5 Insert plugging tool with repair plug into puncture, leaving 1/2 inch of repair plug visible.



6 Using included knife, trim excess plug material flush with tire tread

Figure 5.1: Visual guide for the tire repair process.

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Video 5.1: Demonstration of the tire repair process using a similar kit.

6. MAINTENANCE

Proper maintenance ensures the longevity and readiness of your tire repair kit:

- **Cleaning Tools:** After each use, clean the spiral probe tool and insert tool thoroughly to remove any rubber residue or lubricant. Use a cloth and, if necessary, a mild solvent. Ensure they are dry before storing.
- **Storage:** Store all components neatly in the provided storage case. Keep the case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Repair Plugs:** Keep unused repair plugs sealed in their original packaging to prevent them from drying out. Dried-out plugs may not create an effective seal.
- **Lubricant:** Ensure the lubricating oil bottle cap is tightly secured after use to prevent leakage or drying.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Repair plug difficult to insert	Hole not reamed enough; insufficient lubricant.	Ream the hole more thoroughly. Apply more lubricating oil to the probe and plug.
Air still leaking after repair	Plug not fully seated; puncture too large/complex; plug material dried out.	Ensure plug is inserted deep enough. If the puncture is too large or complex, professional repair is needed. Use fresh repair plugs.
Insert tool stuck in tire	Insufficient lubricant; plug not threaded correctly.	Apply more lubricant. Ensure the plug is centered in the eye of the needle. Twist gently while pulling.

8. SPECIFICATIONS

- **Model Number:** TP0001 (THTC04H)
- **Brand:** TECCPO
- **Product Dimensions:** 12.08 x 8.11 x 2.36 inches
- **Item Weight:** 2.8 Pounds
- **Color:** Red (Kit Case)
- **Special Feature:** Heavy Duty
- **Applicability:** Universal for tubeless tires (cars, trucks, RVs, ATVs, tractors, trailers, motorcycles)
- **Maximum Puncture Size for Repair:** Up to 3CM

9. WARRANTY INFORMATION

For specific warranty details regarding your TECCPO Tire Repair Kit THTC04H, please refer to the warranty card included in your product packaging or visit the official TECCPO website. General warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

10. CUSTOMER SUPPORT

If you have any questions, require assistance, or need to report an issue with your TECCPO Tire Repair Kit THTC04H, please contact TECCPO customer support through the following channels:

- **Website:** Visit the official TECCPO website for FAQs and contact forms.
- **Email:** Refer to your product packaging or the TECCPO website for customer service email addresses.
- **Phone:** Check the TECCPO website for available customer service phone numbers.

Please have your model number (THTC04H) and purchase date ready when contacting support.