

## MORRFlate MFT-XTRE

# MORRFlate Xtreme 4x4 Tire Repair Kit Instruction Manual

Model: MFT-XTRE

### 1. PRODUCT OVERVIEW

The MORRFlate Xtreme 4x4 Tire Repair Kit is a comprehensive solution designed for repairing various tire damages encountered in off-road environments. This kit addresses tread punctures, sidewall punctures, sidewall gashes, and valve stem issues, providing the necessary tools and materials for effective field repairs.

The kit includes the following primary components:

- **MORRFlate Ultimate Tire Plug Kit:** For repairing tread punctures.
- **GlueTread Full Size Sidewall Repair Kit:** For repairing sidewall damage.
- **Colby Valve Permanent Valve Stem Replacements (2-pack):** For replacing damaged valve stems.
- **MORRFlate Rock N Roll Organizer Bag:** For organized storage and transport of all kit components.



Image 1.1: Overview of the MORRFlate Xtreme 4x4 Tire Repair Kit components.

## 2. KIT CONTENTS AND ORGANIZATION

The MORRFlate Xtreme 4x4 Tire Repair Kit is designed for easy access and organization. Familiarize yourself with the contents and their placement within the Rock N Roll Organizer Bag.

### 2.1. MORRFlate Ultimate Tire Plug Kit

- Solid metal T-handle reamer
- Solid metal T-handle plug needle plunger
- Needle nose pliers
- 50 self-vulcanizing tire plugs
- Replacement rubber valve stems
- Razor blade
- Schrader valve cores
- 4-way valve core tool
- Rip-away Molle carrying pouch

### 2.2. GlueTread Full Size Sidewall Repair Kit

- Multiple sidewall patches
- GlueTread adhesive bottles
- Applicator tips
- Sandpaper pieces

### 2.3. Colby Valve Permanent Valve Stem Replacements

- Two (2) permanent valve stem replacements

### 2.4. MORRFlate Rock N Roll Organizer Bag

- Durable 600D material
- Three rip-away zipper pockets
- One built-in zipper pocket
- Corner grommets for hanging
- Three grab handles for carrying



Image 2.1: The Rock N Roll Organizer Bag with kit components.

## 3. OPERATING INSTRUCTIONS

Always prioritize safety. Wear appropriate personal protective equipment, such as gloves and eye protection, when performing tire repairs. Ensure the vehicle is safely parked and secured before beginning any repair.

### 3.1. Tread Puncture Repair (Using MORRFlate Ultimate Tire Plug Kit)

1. **Locate Puncture:** Identify the exact location of the puncture in the tire tread. Remove any foreign objects (nails, screws) using the needle nose pliers.
2. **Prepare the Hole:** Insert the T-handle reamer into the puncture. Work it in and out to clean and enlarge the hole, ensuring it is ready to accept the tire plug. This creates a rough surface for the plug to adhere to.
3. **Prepare the Plug:** Thread one self-vulcanizing tire plug halfway through the eye of the T-handle plug needle plunger.
4. **Insert the Plug:** Firmly push the plug needle plunger with the plug into the prepared hole until approximately 1/2 inch of the plug remains visible outside the tire. Do not push the plug completely through.
5. **Remove Plunger:** With a quick, firm motion, pull the plug needle plunger straight out of the tire. The plug should remain securely in place.
6. **Trim Excess:** Use the razor blade to trim any excess plug material flush with the tire tread.
7. **Inflate and Check:** Inflate the tire to the recommended pressure. Apply a soapy water solution to the repaired area to check for any air leaks. If bubbles appear, the seal is not complete, and an additional plug or re-application may be necessary.





Image 3.1: Components of the MORRFlate Ultimate Tire Plug Kit.

### 3.2. Sidewall Repair (Using GlueTread Full Size Sidewall Repair Kit)

1. **Clean and Prepare:** Thoroughly clean the damaged sidewall area using the provided sandpaper to rough up the surface. Ensure the area is free of dirt, mud, and debris. Wipe clean with a dry cloth.
2. **Apply Adhesive:** Apply a thin, even layer of GlueTread adhesive to the entire surface of the patch and the prepared area on the tire sidewall. Use applicator tips for precision.
3. **Apply Patch:** Carefully place the patch over the damaged area, ensuring good contact across the entire surface. Press firmly from the center outwards to remove any air bubbles.
4. **Cure Time:** Allow the adhesive to cure for the recommended time as specified on the GlueTread packaging. This is crucial for a strong, durable bond. Avoid moving the tire during this period.
5. **Inflate and Check:** Once cured, inflate the tire to the recommended pressure. Check for leaks using soapy water.

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THE TRAILS  
THROW AT YOU!**

## REGULAR PUNCTURE REPAIR



### MORRFLATE ULTIMATE 4X4 TIRE PLUG KIT

## SIDEWALL REPAIR



### GLUETREAD 4x4 FULL SIZE SIDEWALL REPAIR KIT

## VALVE STEM REPLACEMENT



### COLBY VALVE PERMANENT VALVE STEM REPLACEMENT 2-PACK

Image 3.2: GlueTread Sidewall Repair Kit components.

### 3.3. Valve Stem Replacement (Using Colby Valve Permanent Valve Stem Replacements)

1. **Deflate Tire:** Completely deflate the tire.
2. **Remove Damaged Stem:** If possible, remove the damaged valve stem. This may involve cutting it or pulling it out.
3. **Insert Colby Valve:** From the *outside* of the wheel, insert the Colby Valve through the valve stem hole. These valves are designed to fit standard .453 wheel openings.
4. **Tighten:** Hand-tighten the cap or nut on the Colby Valve until it is snug. The design allows for installation without accessing the inside of the wheel.
5. **Inflate and Check:** Inflate the tire to the recommended pressure. Apply soapy water to the base of the new valve stem to ensure there are no leaks.



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## VALVE STEM REPLACEMENT



### COLBY VALVE PERMANENT VALVE STEM REPLACEMENT 2-PACK

Image 3.3: Colby Valve Permanent Valve Stem Replacements.

## 4. MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the life of your MORRFlate Xtreme 4x4 Tire Repair Kit and ensure its readiness for future use.

- **Clean Tools:** After each use, clean all tools (reamer, plunger, pliers) to remove dirt, rubber residue, or adhesive. Wipe them dry before storing.
- **Inspect Components:** Regularly inspect tire plugs, patches, and adhesive for damage or expiration. Replace any compromised items.
- **Organizer Bag Care:** Keep the Rock N Roll Organizer Bag clean and dry. If it becomes soiled, clean it with a damp cloth and allow it to air dry completely before storing the kit.
- **Storage:** Store the kit in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure all components are securely placed within the organizer bag to prevent loss or damage.

## 5. TROUBLESHOOTING

This section addresses common issues that may arise during tire repair.

Problem	Possible Cause	Solution
Tread plug leaks air	Hole not reamed sufficiently; plug not fully seated; multiple punctures.	Re-ream the hole and insert another plug. Ensure the plug is pushed in firmly. For larger punctures, consider using two plugs.
Sidewall patch does not hold	Surface not clean; insufficient adhesive; improper cure time; patch too small for damage.	Ensure the surface is thoroughly cleaned and roughed up. Apply sufficient adhesive and allow for the full cure time. Use a larger patch if necessary.
Colby Valve stem leaks	Not tightened sufficiently; damaged valve stem hole; incorrect installation.	Ensure the Colby Valve is tightened firmly. Verify the valve stem hole is not excessively damaged. Re-install if necessary, following instructions carefully.

## 6. SPECIFICATIONS

Feature	Detail
Manufacturer	MORRFlate
Brand	MORRFlate
Model	Xtreme 4x4 Tire Repair Kit
Item Model Number	MFT-XTRE
Item Weight	4.38 pounds
ASIN	B0D85FF29T

## 7. WARRANTY AND SUPPORT

Specific warranty details are not provided within this product information. For warranty claims, technical support, or inquiries regarding replacement parts, please contact MORRFlate directly through their official website or customer service channels.

Always refer to the manufacturer's latest guidelines and safety information.