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> Adrian Steel TCK78HM23W Truck Cap Closure Kit Instruction Manual

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Model: TCK78HM23W

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Adrian Steel TCK78HM23W Truck Cap Closure Kit. This kit is designed to enhance the security and accessibility of your truck cap, featuring a hatch door and mechanical locks for 6.5' bed pickup trucks.

1.1 Product Overview

The Adrian Steel TCK78HM23W is a robust closure kit constructed from commercial-grade aluminum, offering superior theft protection and increased access to your truck bed. Key features include:

- **Enhanced Access:** Side doors are 30% larger than standard toppers, providing easier access to tools and equipment.
- **Superior Theft Protection:** Features 3-point locking handles on rear doors and 2-point locking handles on the rear hatch, with 11 key variations for added security.
- **Durable Construction:** Made from high-quality aluminum for long-lasting performance and resistance to wear.

1.2 Safety Information

Always read and understand all instructions before installation and operation. Failure to follow safety guidelines may result in injury or damage to the product or vehicle.

- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves during installation.
- Ensure the truck is parked on a level surface and the engine is off before beginning installation.
- Do not overtighten fasteners, as this may damage components.
- Keep children and pets away from the work area.

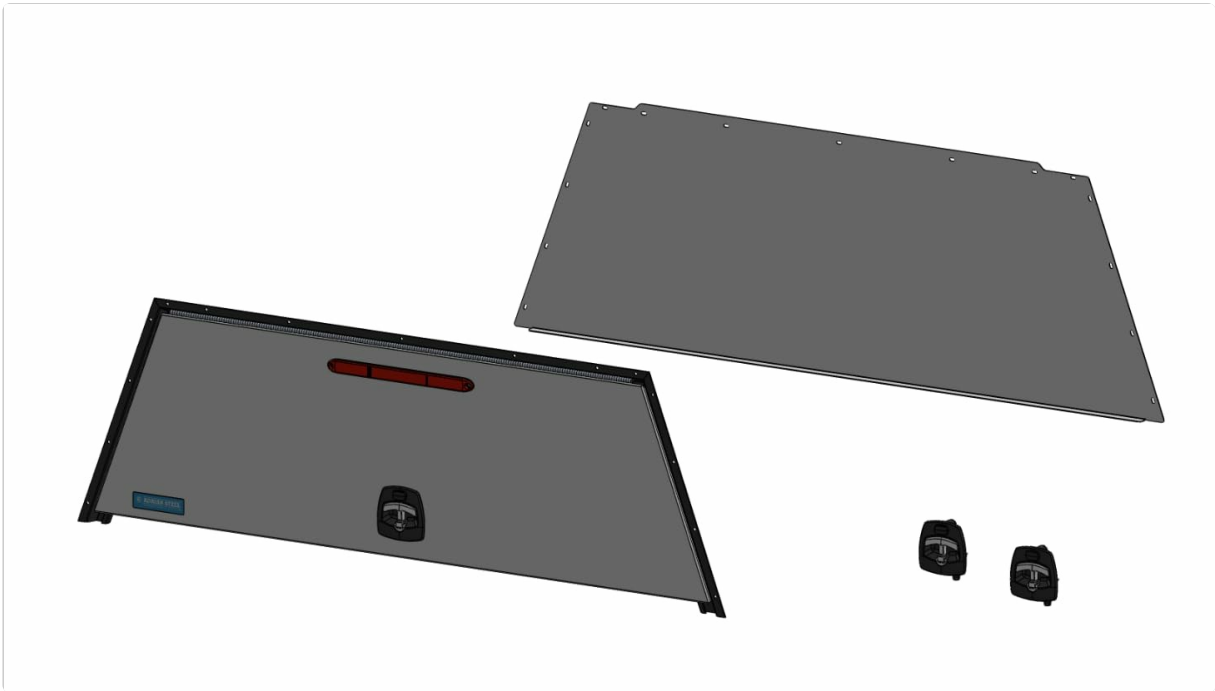


Figure 1: Adrian Steel TCK78HM23W Truck Cap Closure Kit. This image displays the main components of the closure kit, including the white aluminum frame, the hatch door, and the integrated mechanical locking mechanisms.

2. SETUP AND INSTALLATION

This section outlines the general steps for installing the Adrian Steel TCK78HM23W Truck Cap Closure Kit. Professional installation is recommended for optimal performance and safety.

2.1 Required Tools

- Standard wrench set
- Drill with appropriate bits (if new mounting holes are required)
- Measuring tape
- Marker or pencil
- Sealant (weather-resistant, automotive grade)

2.2 Installation Steps

1. **Unpack and Inspect:** Carefully remove all components from the packaging. Inspect for any shipping damage or missing parts. Refer to the packing list to ensure all items are present.
2. **Prepare Truck Cap:** Ensure the truck cap opening where the closure kit will be installed is clean, dry, and free of debris. Remove any existing hardware or seals that may interfere with the new kit.
3. **Position the Kit:** Carefully lift and position the TCK78HM23W closure kit into the designated opening of the truck cap. Ensure it is centered and aligned correctly.
4. **Mark Mounting Points:** Once properly aligned, mark the locations for drilling any necessary mounting holes on the truck cap frame. If pre-drilled holes exist, ensure they align with the kit's mounting points.
5. **Drill Holes (if necessary):** Using the appropriate drill bit, carefully drill pilot holes at the marked locations. Deburr any sharp edges.
6. **Apply Sealant:** Apply a bead of automotive-grade, weather-resistant sealant around the perimeter of the truck cap opening and on the mating surfaces of the closure kit to ensure a watertight seal.
7. **Secure the Kit:** Place the closure kit back into position. Install all mounting hardware (bolts, washers,

nuts) and hand-tighten.

8. **Adjust and Final Tighten:** Verify the hatch door operates smoothly and the mechanical locks engage correctly. Adjust the kit's position as needed. Once satisfied with the fit and function, fully tighten all fasteners. Do not overtighten.
9. **Test Locks:** Test all locking mechanisms to ensure they engage and disengage properly and securely.

3. OPERATING INSTRUCTIONS

The Adrian Steel TCK78HM23W features robust mechanical locking mechanisms for secure operation.

3.1 Opening the Hatch Door

1. **Unlock:** Insert the key into the lock cylinder on the hatch door handle. Turn the key to the unlock position.
2. **Disengage Latch:** Rotate the handle to disengage the 2-point locking mechanism.
3. **Open Door:** Gently pull the hatch door open.

3.2 Closing and Locking the Hatch Door

1. **Close Door:** Push the hatch door firmly until it is fully seated in the frame.
2. **Engage Latch:** Rotate the handle to engage the 2-point locking mechanism. Ensure the latches are fully engaged.
3. **Lock:** Insert the key into the lock cylinder and turn it to the lock position. Remove the key.
4. **Verify Security:** Gently pull on the door to ensure it is securely locked.

3.3 Side Door Operation (if applicable to your specific truck cap configuration)

For truck caps equipped with side doors utilizing the 3-point locking handles, the operation is similar:

1. **Unlock:** Use the key to unlock the handle.
2. **Open:** Rotate the handle to disengage the 3-point locking mechanism and open the door.
3. **Close and Lock:** Close the door, rotate the handle to engage the latches, and then lock with the key.

4. MAINTENANCE

Regular maintenance ensures the longevity and proper function of your Adrian Steel TCK78HM23W Truck Cap Closure Kit.

- **Cleaning:** Clean the aluminum surfaces with mild soap and water. Avoid abrasive cleaners or solvents that could damage the finish.
- **Lubrication:** Periodically apply a silicone-based lubricant to the moving parts of the mechanical locks and hinges to ensure smooth operation. Do not use oil-based lubricants as they can attract dirt.
- **Inspection:** Regularly inspect all mounting hardware for tightness. Check seals for any signs of wear or damage and replace if necessary to maintain a watertight seal.
- **Key Care:** Keep keys clean and free of debris. Do not force a key into the lock if it feels stiff; apply a small amount of graphite lubricant to the key or lock cylinder.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Door difficult to open or close	Misalignment, worn hinges, lack of lubrication, debris in mechanism.	Check alignment and adjust if necessary. Lubricate hinges and locking mechanisms. Clean any debris.
Lock mechanism stiff or jammed	Lack of lubrication, debris in lock cylinder, bent key.	Apply graphite lubricant to the lock cylinder. Clean the key. Do not force the key. If key is bent, use a spare.
Water leakage	Damaged or improperly sealed weather stripping, loose mounting hardware.	Inspect and replace damaged seals. Re-tighten all mounting hardware. Reapply sealant if necessary.
Excessive rattling	Loose mounting hardware, worn rubber bumpers.	Tighten all mounting hardware. Inspect and replace rubber bumpers if worn.

6. SPECIFICATIONS

Feature	Detail
Model Number	TCK78HM23W
Brand	Adrian Steel
Material	Aluminum
Product Dimensions	78"L x 23"W
Item Weight	46.5 pounds
Finish Type	Unfinished (White color)
Locking Mechanism	Mechanical (2-point for hatch, 3-point for side doors)
UPC	665871538528

7. WARRANTY INFORMATION

Adrian Steel products are manufactured to high-quality standards. For specific warranty details, please refer to the official Adrian Steel warranty documentation provided with your purchase or visit the manufacturer's website. General warranty terms typically cover defects in materials and workmanship under normal use.

8. CUSTOMER SUPPORT

If you have any questions regarding the installation, operation, or maintenance of your Adrian Steel TCK78HM23W Truck Cap Closure Kit, please contact Adrian Steel customer support or your authorized dealer. You can typically find contact information on the manufacturer's official website:

Adrian Steel Official Website: www.adriansteel.com

When contacting support, please have your model number (TCK78HM23W) and purchase date readily

available.