



**Stealth Products**<sup>®</sup>

Mounting Hardware

**OWNERS MANUAL**



## Flip-Down Tablet Mount TWBM480-TAB & TWBM480-U

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Stealth's User and Installation Manual  
for the Swing-Away Link Style Tablet Mount

Stealth Products strives for 100% customer satisfaction. Your complete satisfaction is important. Please contact us with feedback or suggested changes that will help improve the quality and usability of our products. You may reach us at:



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## General

Read and understand all instructions prior to the use of the product. Failure to adhere to instructions and warnings in this document may result in property damage, injury, or death. Product misuse due to failure of the following instructions will void the warranty.

Immediately discontinue use if any function is compromised, parts are missing, loose, or shows signs of excessive wear. Consult with your supplier for repair, adjustment, or replacement.

## Important Information!

All persons responsible for fitting, adjustment, and daily use of the devices discussed in these instructions must be familiar with and understand all safety aspects of the devices mentioned. In order for our products to be used successfully, you must:

- Read and understand all instructions and warnings.
- Maintain our products according to our instruction on care and maintenance.
- Devices should be installed and adjusted by a trained technician.

## Supplier Reference

Supplier: \_\_\_\_\_

Telephone: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Purchase Date: \_\_\_\_\_

Model: \_\_\_\_\_

Before you install or begin using this product, it is important that you read and understand the content of these installation and operating instructions. The installation instructions will guide you through the possibilities with the flip-down tablet hardware.

Instructions are written with the expressed intent of use with standard configurations. They also contain important safety and maintenance information. For further assistance, or more advanced applications, please contact your supplier or Stealth Products at (512) 715-9995 or toll free at 1-800-965-9229.

Always keep the operating instructions in a safe place so they may be referenced as necessary.

All information, pictures, illustrations, and specifications are based on the product information that was available at the time of printing. Pictures and illustrations shown in these instructions are representative examples and are not intended to be exact depictions of the various parts of the product.

## Ordering Documentation

You can download additional copies of this Owner's Manual on the Stealth website:

<https://stlpro.site/stealth-docs>

and search: *TWBM480-TAB/TWBM480-U Owners Manual* in the search bar at the top of the page.

Our products are designed, manufactured, and produced to the highest of standards. If any defect in material or workmanship is found, Stealth Products will repair or replace the product at our discretion. Any implied warranty, including the implied warranties of merchantability and fitness for a particular purpose, shall not extend beyond the duration of this warranty. Stealth Products, LLC does not warrant damage due to, but not limited to:

- Misuse, abuse, or misapplication of products.
- Modification of product without written approval from Stealth Products, LLC.
- Any alteration or lack of serial number, where applicable, will automatically void this warranty.
- Stealth Products, LLC is liable for replacements parts only.
- Stealth Products, LLC is not liable for any incurred labor costs.

No person is authorized to alter, extend, or waive the warranties of Stealth Products, LLC.

Stealth Products warrants against failure due to defective materials or workmanship:

Covers: 2 years

Hardware: 5 years

Electronics: 3 years

## **In Case of Product Failure**

In the event of product failure covered by our warranty, please follow the procedures outlined below:

1. Call Stealth at +1 (512) 715-9995 or toll free +1-800-965-9229.
2. Request the Returns Department or obtain an RA from the Returns Department and follow department or documentation instructions.

<b>1.0 Customer Satisfaction .....</b>	<b>i</b>
<b>2.0 Important Information.....</b>	<b>ii</b>
<b>3.0 Introduction.....</b>	<b>iii</b>
<b>4.0 Warranty .....</b>	<b>iv</b>
<b>5.0 Table of Contents.....</b>	<b>v</b>
<b>6.0 Warning Labels .....</b>	<b>vi</b>
6.1 Warning Labels.....	vi
6.2 Limited Liability .....	vi
6.3 Testing.....	vi
<b>7.0 Design and Function.....</b>	<b>1</b>
7.1 Intended Use .....	1
7.2 Tablet Mount Specs.....	1
<b>8.0 Parts And Accessories .....</b>	<b>2</b>
8.1 Package Overview .....	2
8.2 Replacements Parts .....	3
8.3 Tools .....	4
8.4 Torque Specs.....	4
<b>9.0 Installation Instructions .....</b>	<b>5</b>
9.1 Replacing the FDM380.....	5
9.2 Link Replacement/Adjustment .....	6
9.3 Armrest Mounting.....	7
9.4 Depth Adjustment.....	7
9.5 Flip-Down Mount .....	8
<b>10.0 First Time Use.....</b>	<b>9</b>
10.1 Dealer Assistance .....	9
10.2 User Testing.....	9
10.3 Conditions Of Use.....	9
<b>11.0 Maintenance.....</b>	<b>10</b>
11.1 Maintenance .....	10
11.2 Cleaning .....	10

## Warning Labels

### 6.1

Warnings are included for the safety of the user, client, operator and property. Please read and understand what the signal words **SAFETY, NOTICE, CAUTION, WARNING** and **DANGER** mean, how they could affect the user, those around the user, and property.



**DANGER**

Identifies an **imminent** situation which (if not avoided) will result in **severe injury, death, and property damage.**



**WARNING**

Identifies a **potential** situation which (if not avoided) will result in **severe injury, death, and property damage.**



**CAUTION**

Identifies a **potential** situation which (if not avoided) will result in **minor to moderate injury, and property damage.**

**NOTICE**

Identifies important information not related to injury, but possible **property damage.**

**SAFETY**

Indicates steps or instructions for safe practices, reminders of safe procedures, or important safety equipment that may be necessary.

## Limited Liability

### 6.2

Stealth Products, LLC accepts no liability for personal injury or damage to property that may arise from the failure of the user or other persons to follow the recommendations, warnings, and instructions in this manual.

Stealth Products does not hold responsibility for final integration of final assembly of product to end user. Stealth Products is not liable for user death or injury.

## Testing

### 6.3

Initial setup and driving should be done in an open area free of obstacles until the user is fully capable of driving safely.

The TWBM480-TAB/TWBM480-U should always be installed and tested following the instructions in this owners manual.

## Intended Use

### 7.1

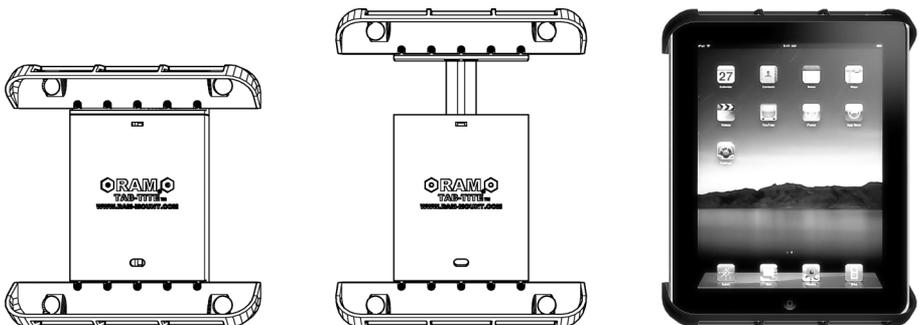
The TWBM480-TAB/TWBM480-U hardware utilizes Stealth's link style hardware to provide limitless adjustment. Multiple planes of adjustment allow critical adjustment of the tablet mount. Separate links isolate adjustment planes and angles, while individual link adjustment achieves the most complex support solutions, making the positioning of your tablet easy and rigid.

The flip-down style hardware offers a sleek design, strong resistance and an easy flip-down mechanism which allows the tablet to flip away while staying attached to the chair, eliminating misplacement.

## Tablet Mount Specs

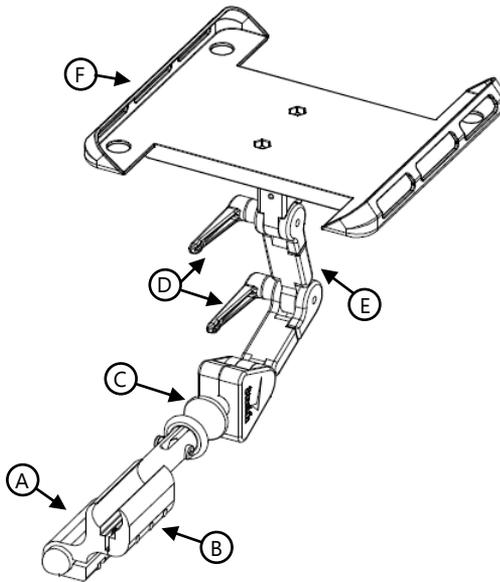
### 7.2

- Mount dimensions for the TWBM480-TAB include:
  - Height 8.5 inches to 11.125 inches
  - Width 6.38 inches to 7.75 inches
  - Depth .13 inches to .56 inches
  - \*Compatible with iPad tablets 1-4
- Mount dimensions for the TWBM480-U include:
  - Height Minimum/Maximum: 7 inches to 10 inches
  - Width Minimum/Maximum: 4 inches to 5.31 inches
  - Depth Minimum/Maximum: .44 inches to 1.06 inches
  - \*Compatible with 7" tablets
- The TWBM480-U provides 3 sets of interchangeable cup ends.
- Both tablet mounts are designed with spring loaded tension to provide secure support and quick release of the tablet.



## TWBM480-TAB/TWMB480-U Packages

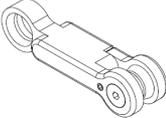
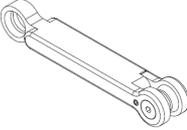
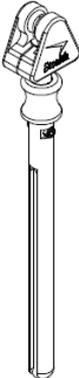
## 8.1



	<b>Part Number</b>	<b>Description</b>
<b>A</b>	FDM380	3/4" Diameter Flip-Down Rod
<b>B</b>	ARM240	3/4" Cane Clamp
<b>C</b>	FDM Sleeve	Flip-Down Sleeve
<b>D</b>	TWB-RH	Ratchet Handles (2)
<b>E</b>	Inline Link	3" Inline Link
<b>F</b>	RAM Tab-Tite™	Tablet Mount for iPad 1-4
<b>G</b>	RAM Tab-Tite™ Small*	Universal Tablet Mounting Bracket

- TWBM480-TAB mount shown above.
- TWBM480-U includes the same components as the TWBM480-TAB.

**Replacement Parts****8.2**

<b>Part Number</b>	<b>Description</b>
<b>TWB-LINK</b>	
<b>TWB-LIL-6</b>	
<b>FDM380</b>	

- The TWBM480-TAB is featured in drawings throughout the manual.

## Tools

## 8.3



Hardware	Description
2.5mm T-Handle	Set screws on links
5/32 T-Handle	All screws on triangle & links
3/16 T-Handle	Cane clamp screws

Tools, anti-seize, and Blue Medium Strength Liquid Loctite Series 242 are not provided.

## Torque Specs

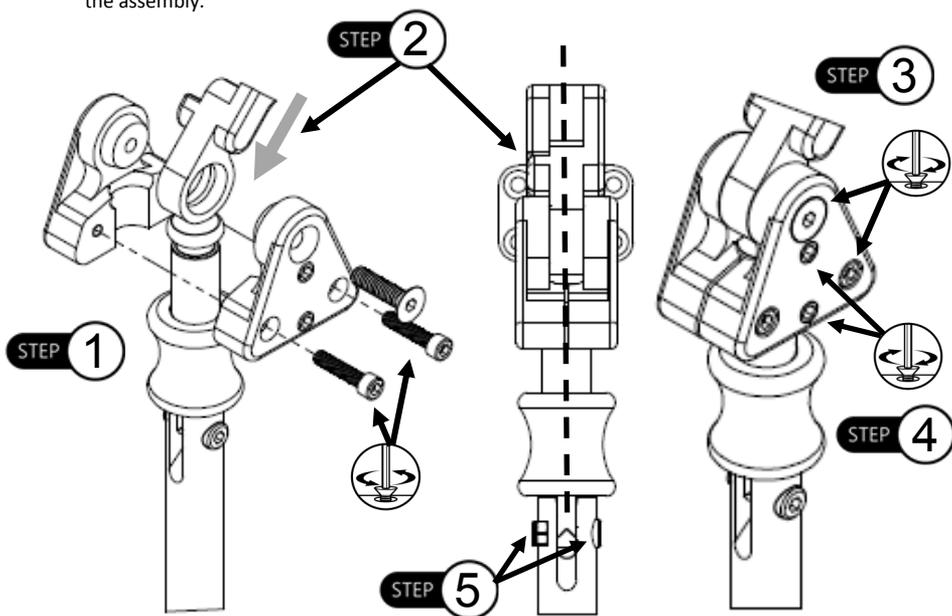
## 8.4

Screws	Torque Specification
1/4 x 20 x 1" SHS	200in-lbs
1/4 x 20 x 3/4" SHS	200in-lbs
M5 Shoulder Screw	20nM
1/4 x 20 x 1" FHS	140in-lbs
Set Screws	40in-lbs
10-24 x 1/2" SHS	79in-lbs

## Replacing the FDM380

### 9.1

- Step 1:** Loosen the set screws on the triangle mount with a 5/32 T-Handle, but do not remove. Loosen the socket screws from the triangle, allowing the thru triangle to be released from the mount.
- Step 2:** Place the new FDM380 in line with the thru and threaded triangles. The link attachment points must be aligned with the flip-down slot on the bar to ensure correct movement of the flip-down sleeve.
- Step 3:** Align triangles and tighten the socket head screws back into place.
- Step 4:** Add blue Loctite to set screws to prevent loosening. Tighten the set screws. Ensure they are snug but do not overtighten. Reference the *Torque Spec* section for proper torque specifications.
- Step 5:** Tighten the screw and locknut on the vertical bar. There should be minimum lateral movement with the assembly.



#### CAUTION

Ensure that all screws are tightened evenly on the hardware. Threads can strip out and cause damage to the hardware if not tightened properly.

#### NOTICE

Tighten the set screws with the client in the chair and make any final adjustments necessary.

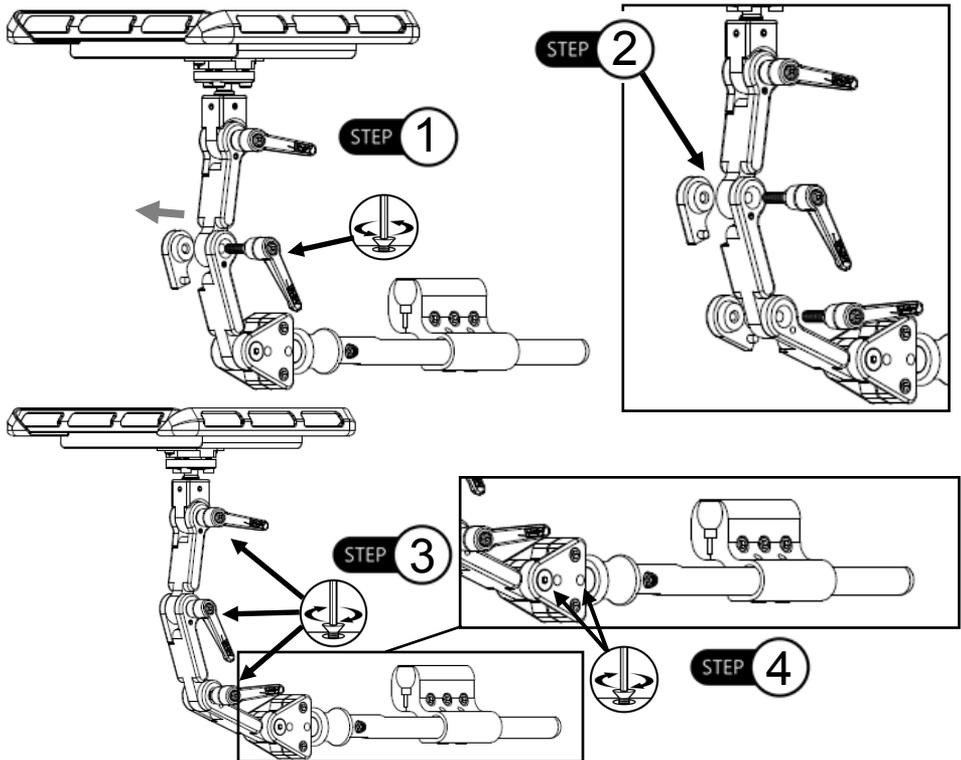
#### WARNING

Overtightening of set screws may cause damage to hardware.

## Link Replacement/Adjustment

## 9.2

- Step 1:** Loosen the set screw on offset link with a 4mm T-Handle, but do not remove. Remove the ratchet handle from the offset link, separating the offset link from the inline link and creating a gap for the link to be removed or another link to be installed.
- Step 2:** Align the new link with the offset link. Align the inline link and ensure all drilled holes match up. Install the number of links necessary to achieve the desired length of the flip-down mount.
- Step 3:** When the number of desired links have been added to the hardware, tighten all ratchet handles and ensure all links are in the proper position. Add blue Loctite to the set screws to prevent loosening. Tighten set screws to proper torque specifications, but do not overtighten.
- Step 4:** Add Blue Loctite to the set screws to prevent loosening. Tighten the set screws. Ensure they are snug but do not overtighten.



### NOTICE

The TWBM480-U follows the same installation instructions as shown throughout the manual.

### NOTICE

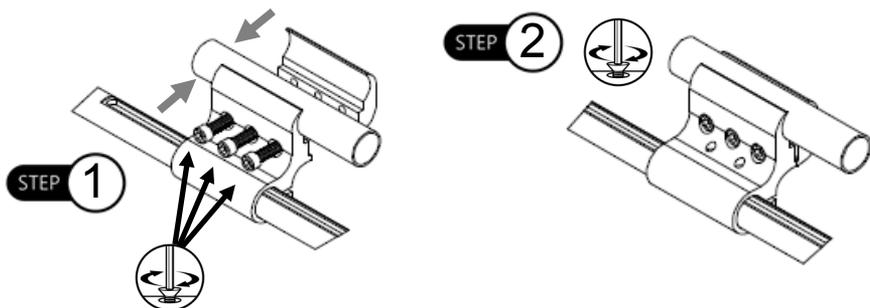
Before installing/adjusting links, loosen the set screws.

## Armrest Mounting

9.3

**Step 1:** Position the cane of the chair in between the ARM240 clamp.

**Step 2:** Align the socket head screws with the holes on the clamp and tighten screws with a 3/16 T-Handle to the recommended torque specification.



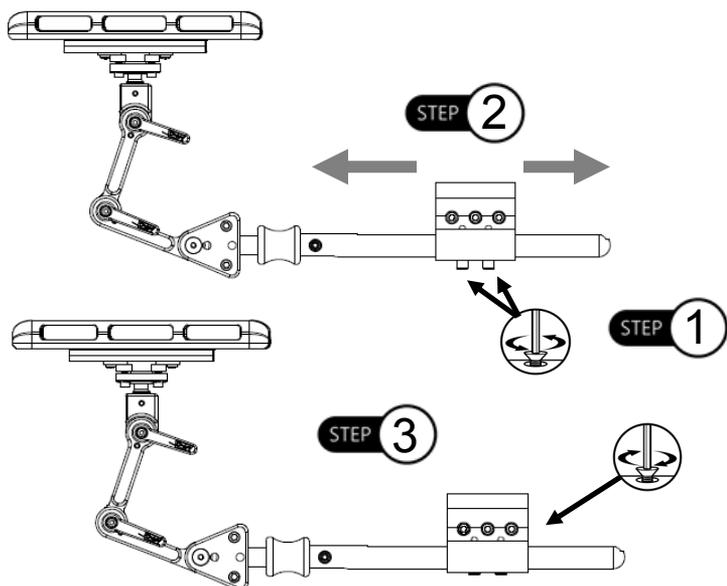
## Depth Adjustment

9.4

**Step 1:** Loosen the socket head screws on the base of the ARM240 clamp.

**Step 2:** Slide clamp along the FDM380 bar and place it in the necessary position.

**Step 3:** When clamp has been placed in the correct position, tighten with a 3/16 T-Handle and secure the screws. Refer to the *Torque Spec* section for proper torque specifications.



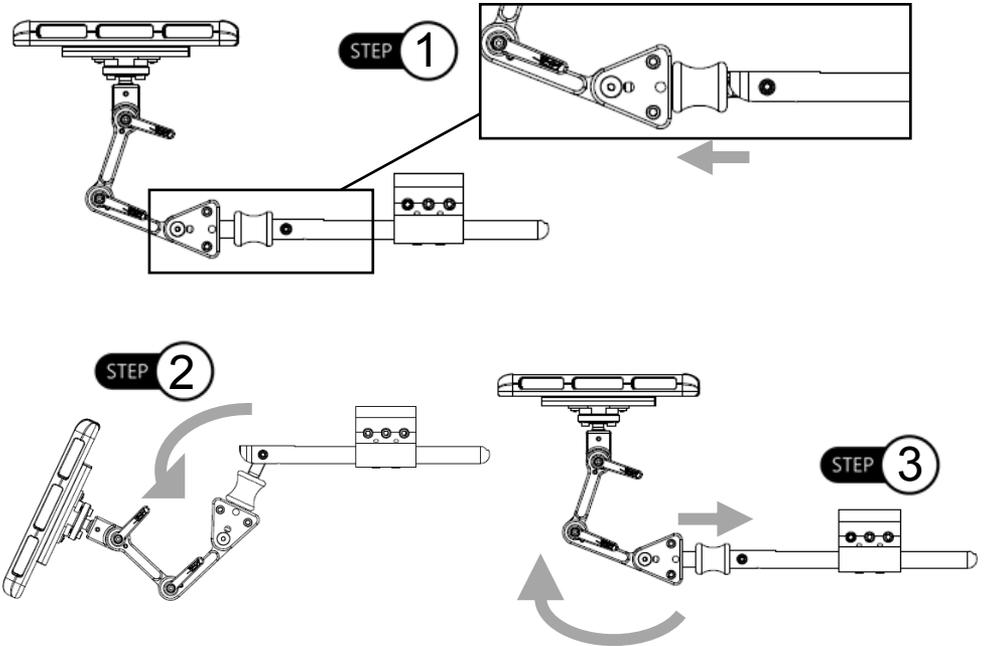
## Flip Down Mount

## 9.5

**Step 1:** To flip the hardware down and away, slide the red flip-down sleeve up.

**Step 2:** Swing away the hardware in conjunction with the flip-down sleeve being pushed up.

**Step 3:** To bring hardware back to the upright position, move the links and tablet back to a parallel position with the ground. An audible 'click' should occur, indicating that the hardware is locked back into place.



### ⚠ CAUTION

Ensure the red flip-down sleeve freely rotates 360°. If the flip-down sleeve does not rotate, the hardware will not work properly.

⚠ **CAUTION** Ensure the flip down mount is fully engaged before use.

### SAFETY

Move hands from the flip-down sleeve area when bringing it back to a vertical state. The sleeve could pinch when moving and could cause injury.

## Dealer Assistance

### 10.1

During first time use by the client, it is advised that the dealer or service technician assists and explains the configuration to the customer (the user and/or the attendant). If needed, the dealer can make final adjustments.

#### **WARNING**

The TWBM480-TAB/ TWBM480-U should only be prescribed and fitted by qualified health care professionals.

## User Testing

### 10.2

It is important that the customer is fully aware of the installation and how the hardware can be adjusted in order to gain the best positioning possible. As a dealer, proceed as follows:

- Explain and show the customer how you have executed the installation, and explain the function.

Have the user test the position of the TWBM480-TAB/TWB480M-U hardware:

- Is the hardware in the proper position for the client?
- Can the user safely operate the chair?

If needed, adjust the hardware to the proper position.

Explain to the customer any possible issues and how to address them.

## Conditions of Use

### 10.3

The TWBM480-TAB/TWBM480-U is intended for use as installed by the dealer, in accordance to the installation instructions in this manual:

- The foreseen conditions of use are communicated by the dealer or service technician to the user and/or attendant during the first time use.
- If the conditions of use change significantly, please contact your dealer or a qualified service technician to avoid excessive wear and tear or unintended damage.

## Maintenance

### 11.1

- All parts should be checked on a regular basis and repaired, if necessary, by a service technician.
- Discontinue use after identifying loose or broken components.
- Periodically check the flip-down sleeve. Test that it engages properly and makes an audible 'click' when back in the vertical position.
- Check that the tablet mount is secure.
- Check the M5 bolt on the vertical bar. Tighten if it has become loose.
- To prevent screws from seizing, reapply copper anti-seize if necessary.
- If you are experiencing excessive lateral movement with the hardware, refer to Step 5 on page 5 for adjustment instructions.

## Cleaning

### 11.2

- Wipe hardware clean with a damp cloth and mild, non-abrasive cleaner.
- Ensure any cleaners used to disinfect are approved for cleaning aluminum surfaces.



Failure to comply with these warnings could result in serious bodily harm.







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