



The Ultimate in Fall Protection

**Instructions for the following
series products:**

Door Jamb Anchor

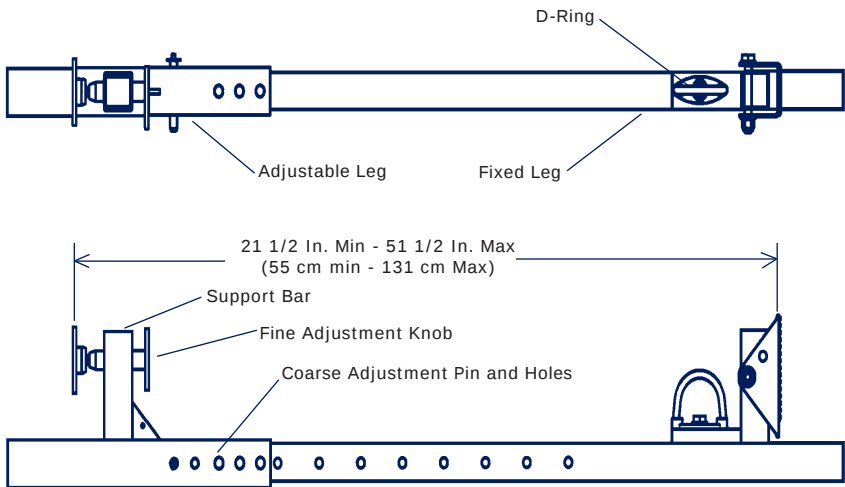
Model Numbers: 2100029, 2100080

USER INSTRUCTION MANUAL ***DOOR JAMB ANCHOR***

This manual is intended to meet the Manufacturer's Instructions as required by ANSI Z359.1 and should be used as part of an employee training program as required by OSHA.



Figure 1 - Door Jamb Anchor



WARNING: This product is part of a personal fall protection system. The user must read and follow the manufacturer's instructions for each component of the system. These instructions must be provided to the user of this equipment. The user must read and understand these instructions before using this equipment. Manufacturer's instructions must be followed for proper use and maintenance of this equipment. Alterations or misuse of this equipment, or failure to follow instructions, may result in serious injury or death.

IMPORTANT: If you have questions on the use, care, or suitability of this equipment for your application, contact DBI-SALA.

IMPORTANT: Record the product identification information from the ID label in the inspection and maintenance log in section 9.0 of this manual.

DESCRIPTION

Door Jamb Anchor:

2100080: For door or window openings sized 21 1/2 in. (55 cm) to 51 1/2 in. (131 cm) wide. See Figure 1.

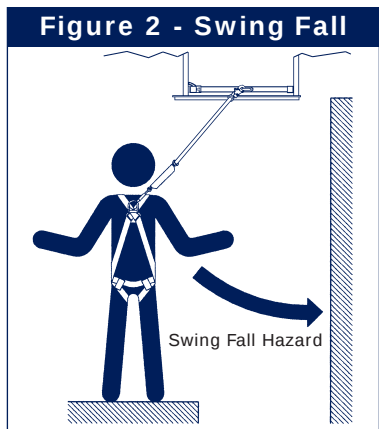
1.0 APPLICATIONS

1.1 PURPOSE: The Door Jamb Anchor is an anchorage connector for a personal fall arrest system, designed to be temporarily installed in a door or window opening.

1.2 LIMITATIONS: The following application limitations must be considered before using this equipment:

- A. **OPENING SIZES:** The Door Jamb Anchor may be installed in jambs with opening sizes ranging from 21 1/2 in. (55 cm) to 51 1/2 in. (131 cm) wide.
- B. **CAPACITY:** This equipment is designed for use by persons with a combined weight (clothing, tools, etc.) of no more than 310 lbs. (141 kg). No more than one personal protective system may be connected to this equipment at one time.
- C. **PERSONAL FALL ARREST SYSTEM:** The personal fall arrest system used with this equipment must meet the requirements specified in section 2.1.
- D. **FREE FALL:** Personal fall arrest systems used with this equipment must be rigged to limit the free fall to a maximum of 6 feet when possible, as required by OSHA. The maximum free fall must always be within the manufacturer's free fall capacity of the system components used to arrest the fall. See section 2.1 and connecting subsystem manufacturer's instructions for more information.

- E. **SWING FALLS:** See Figure 2. Swing falls occur when the anchorage point is not directly above or below the point where a fall occurs. The force of striking an object in a swing fall may cause serious injury or death. Minimize swing falls by working as close to the anchorage as possible. Do not permit a swing fall if injury could occur. Swing falls will significantly increase the clearance required when a self retracting lifeline or other variable length connecting subsystem is used.



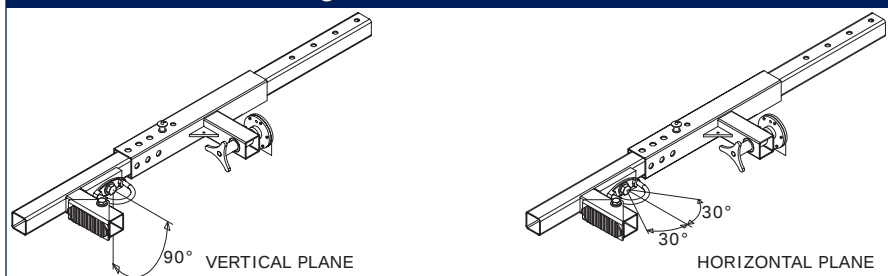
- F. **FALL CLEARANCE:** There must be sufficient clearance below the user to arrest a fall before the user strikes the ground or other obstruction. The clearance required is dependent on the following factors:

- Elevation of Door Jamb Anchor
- Length of connecting subsystem
- Deceleration distance
- Movement of harness attachment element (sliding D-ring)
- Worker height
- Free fall distance

See personal fall arrest system manufacturer's instructions for more information.

- G. WORK ZONE:** See Figure 3. Do not extend your work zone more than 30 degrees from either side of the anchorage point. Do not use the door jamb anchor in a way such that it can be loaded at an angle above the level of the anchorage point. Do not climb above the anchor point.

Figure 3 - Work Zone



- H. ENVIRONMENTAL HAZARDS:** Use of this equipment in areas with environmental hazards may require additional precautions to reduce the possibility of injury to the user or damage to the equipment. Hazards may include, but are not limited to; heat, chemicals, corrosive environments, high voltage power lines, gases, moving machinery, and sharp edges. Contact DBI-SALA if you have questions about using this equipment where environmental hazards exist.
- I. TRAINING:** This equipment must be installed and used by persons trained in its correct application and use. See section 4.0.

- 1.3 APPLICABLE STANDARDS:** Refer to national standards, including ANSI Z359.1, and local, state, and federal requirements for more information personal fall arrest systems and associated components.

2.0 SYSTEM REQUIREMENTS

- 2.1 PERSONAL FALL ARREST SYSTEM:** The Door Jamb Anchor is designed for use with DBI-SALA approved components or subsystems. Use of this equipment with non-approved components may result in incompatibility between equipment, and could affect the reliability and safety of the complete system. Personal fall arrest systems used with this equipment must meet applicable OSHA, state, federal, and ANSI requirements. A full body harness must be worn by the worker when connected to the Door Jamb Anchor. As required by OSHA, the personal fall arrest system must be capable of arresting a worker's fall with a maximum arresting force no greater than 1,800 lbs. (8 kN), and where possible, limit the free fall distance to 6 ft. (1.83 m) or less. If the maximum free

fall distance of 6 ft. (1.83 m) must be exceeded, the employer must be able to document, based on test data, that the maximum permissible arresting forces will not be exceeded, and that the personal fall arrest system will function properly.

When a free fall greater than 6 feet and up to a maximum of 12 ft. (3.66 m) is possible, DBI-SALA recommends using a personal fall arrest system incorporating a DBI-SALA Force2 energy absorbing lanyard. DBI-SALA has performed testing using the Force2 energy absorbing lanyard in free falls up to 12 ft. (3.66 m) to ensure the maximum arresting force does not exceed 1,800 lbs. (8 kN), and the system functions properly. The results of these tests are listed in the user instruction manual provided with Force2 shock absorbing lanyards.

2.2 COMPATIBILITY OF COMPONENTS: DBI-SALA equipment is designed for use with DBI-SALA approved components and subsystems only. Substitutions or replacements made with non-approved components or subsystems may jeopardize compatibility of equipment and may effect the safety and reliability of the complete system.

2.3 COMPATIBILITY OF CONNECTORS: Connectors are considered to be compatible with connecting elements when they have been designed to work together in such a way that their sizes and shapes do not cause their gate mechanisms to inadvertently open regardless of how they become oriented. Contact DBI-SALA if you have any questions about compatibility.

Connectors (hooks, carabiners, and D-rings) must be capable of supporting at least 5,000 lbs. (22.2 kN). Connectors must be compatible with the anchorage or other system components. Do not use equipment that is not compatible. Non-compatible connectors may unintentionally disengage. See Figure 4. Connectors must be compatible in size, shape, and strength. Self locking snap hooks and carabiners are required by ANSI Z359.1, OSHA, and CSA Z259.12.

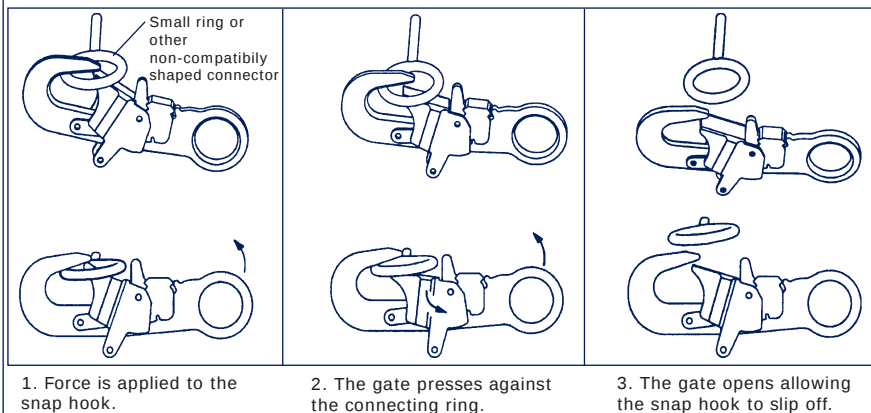
2.4 MAKING CONNECTIONS: Only use self-locking snap hooks and carabiners with this equipment. Only use connectors that are suitable to each application. Ensure all connections are compatible in size, shape and strength. Do not use equipment that is not compatible. Ensure all connectors are fully closed and locked.

DBI-SALA connectors (snap hooks and carabiners) are designed to be used only as specified in each product's user's instructions. See Figure 5 for inappropriate connections. DBI-SALA snap hooks and carabiners should not be connected:

- A. To a D-ring to which another connector is attached.
- B. In a manner that would result in a load on the gate.

Figure 4 - Unintentional Disengagement (Roll-out)

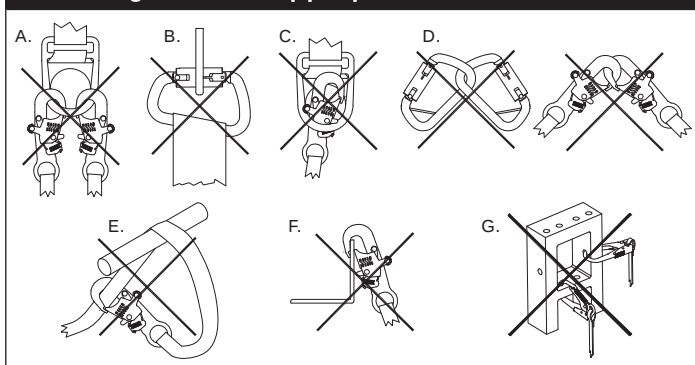
If the connecting element that a snap hook (shown) or carabiner attaches to is undersized or irregular in shape, a situation could occur where the connecting element applies a force to the gate of the snap hook or carabiner. This force may cause the gate (of either a self-locking or a non-locking snap hook) to open, allowing the snap hook or carabiner to disengage from the connecting point.



NOTE: Large throat opening snap hooks should not be connected to standard size D-rings or similar objects which will result in a load on the gate if the hook or D-ring twists or rotates. Large throat snap hooks are designed for use on fixed structural elements such as rebar or cross members that are not shaped in a way that can capture the gate of the hook.

- C. In a false engagement, where features that protrude from the snap hook or carabiner catch on the anchor and without visual confirmation seems to be fully engaged to the anchor point.
- D. To each other.
- E. Directly to webbing or rope lanyard or tie-back (unless the

Figure 5 - Inappropriate Connections



manufacturer's instructions for both the lanyard and connector specifically allows such a connection).

- F. To any object which is shaped or dimensioned such that the snap hook or carabiner will not close and lock, or that roll-out could occur.
- G. In a manner that does not allow the connector to align properly while under load.

2.5 ANCHORAGE STRENGTH: Door Jamb Anchors installed for fall arrest applications must be attached to a door or window opening capable of sustaining static loads in the directions permitted by the personal fall arrest system when in use of at least; (A) 3,600 lbs. (16 kN) when certification exists (see ANSI Z359.1 for certification definition), or (B) 5,000 lbs. (22.2 kN) in the absence of certification. Per OSHA 1926.500 and 1910.66: Anchorages used for attachment of a personal fall arrest system shall be independent of any anchorage being used to support or suspend platforms, and must support at least 5,000 lbs. (22.2 kN) per user attached; or be designed, installed, and used as part of a complete personal fall arrest system which maintains a safety factor of at least two, and is supervised by a qualified person.

3.0 INSTALLATION AND USE

WARNING: Do not alter or intentionally misuse this equipment. Consult DBI-SALA when using this equipment in combination with components or subsystems other than those described in this manual. Some subsystem and component combinations may interfere with the operation of this equipment. Use caution when using this equipment around moving machinery, electrical hazards, chemical hazards, and sharp edges.

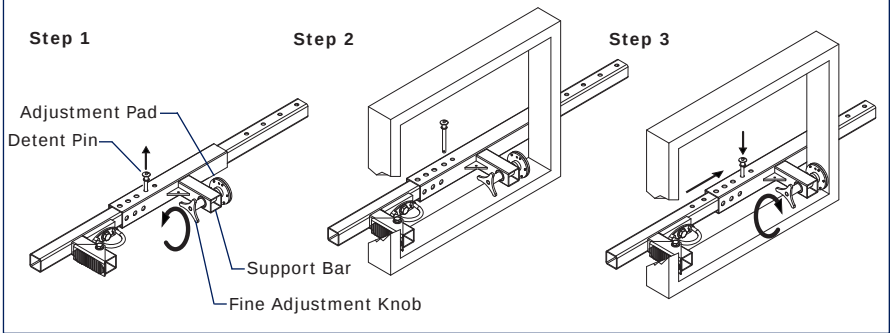
WARNING: Consult your doctor if there is reason to doubt your fitness to safely absorb the shock from a fall arrest. Age and fitness seriously affect a worker's ability to withstand falls. Pregnant women or minors must not use DBI-SALA anchorage connectors.

3.1 BEFORE EACH USE OF THIS EQUIPMENT INSPECT IT ACCORDING TO SECTION 5.0 OF THIS MANUAL.

3.2 INSTALLATION: The Door Jamb Anchor may be installed in any door or window opening meeting the requirements specified in section 1.2 and meeting the strength requirements specified in section 2.5.

- Step 1.** Adjust the Door Jamb Anchor to fit inside the desired opening by removing the detent pin and sliding the adjustable leg toward the D-ring. Make sure the fine adjustment pad is adjusted so that it is tight against the support bar. See Figure 6.

FIGURE 6 - INSTALLATION



- Step 2.** Place the Door Jamb Anchor in the door or window opening with the D-ring facing the area where work will be performed. The adjustable leg may be located either on the left or right side of the opening. The Door Jamb Anchor must rest on the bottom of the window or door opening. Do not attempt to install the Door Jamb Anchor in a position where it is not supported by the floor or window sill.

WARNING: This Door Jamb Anchor must be installed at the bottom of the window or door opening, resting on the sill. If the anchor is not resting on the sill it may rotate when loaded, allowing the anchor to come free of the window or door opening. Failure to follow this warning may result in serious injury or death.

- Step 3.** Slide the adjustable leg as close to the door or window jamb as possible and insert the detent pin in a corresponding set of adjustment holes. Secure the anchor using the fine adjustment knob by rotating the knob clockwise.

3.3 USING THE DOOR JAMB ANCHOR:

- A. PERSONAL FALL ARREST SYSTEM:** Inspect and don your full body harness according to manufacturer's instructions. Attach the connecting subsystem (energy absorbing lanyard) to the dorsal D-ring on the harness.
- B. STRUCTURE:** Ensure the structure you will be connecting to is properly supported before using this equipment. Approach the structure using appropriate access equipment.
- C. OTHER CONSIDERATIONS:** When working on a structure do not take unnecessary risks, such as jumping or reaching too far from the edge. Be aware of all environmental hazards in the area. Do not allow your connecting subsystem to pass

under your arms or between your feet. To avoid inadequate fall clearance, do not climb above or to the side of the Door Jamb Anchor.

- D. **SHARP EDGES:** Avoid working where the connecting subsystem (energy absorbing lanyard) or other system components will be in contact with, or abrade against, unprotected sharp edges. If working around sharp edges is unavoidable, protection against cutting must be provided through the use of a protective cover.
- E. **IN THE EVENT OF A FALL:** The responsible party must have a rescue plan and the ability to implement a rescue. Tolerable suspension time in a full body harness is limited, so a prompt rescue is critical.
- F. **RESCUE:** With the number of potential scenarios for a worker requiring rescue, an on-site rescue team is beneficial. The rescue team is given the tools, both in equipment and technique, to perform a successful rescue. Training should be provided on a periodic basis to ensure rescuers proficiency.

4.0 TRAINING

- 4.1 It is the responsibility of the user to assure they are familiar with these instructions, and are trained in the correct care and use of this equipment. User must also be aware of the operating characteristics, application limits, and the consequences of improper use of this equipment.

5.0 INSPECTION

- 5.1 **FREQUENCY:** Before each use, inspect the Door Jamb Anchor according to sections 5.3 and 5.4. See Figure 1 for parts identification. The Door Jamb Anchor must be formally inspected by a competent person other than the user at least annually. Record the results in the inspection and maintenance log.

IMPORTANT: *If this equipment has been subject to fall arrest forces it must be removed from service and destroyed, or returned to DBI-SALA for inspection or repair.*

- 5.2 **I-SAFE™ RFID TAG:** The Door Jamb Anchor includes an i-Safe™ Radio Frequency Identification (RFID) tag. The RFID tag can be used in conjunction with the i-Safe handheld reading device to simplify inspection and inventory control and provide records for your fall protection equipment. If you are a first-time user, contact a Capital Safety Customer Service representative (see back cover); or if you have already registered, go to isafe.capitalsafety.com. Follow the instructions provided with your i-Safe handheld reader or software to transfer your data to your database.

5.3 INSPECTION STEPS:

- Step 1.** Inspect the Door Jamb Anchor for damage: Look for cracks, dents, or deformities. Look for bending or wear on the support tube, D-ring, and adjustment mechanisms. Ensure no parts are loose or missing.
- Step 2.** Inspect the adjustment mechanisms. The detent pin must lock when inserted through any of the adjustment holes.
- Step 3.** Inspect entire unit for excessive corrosion.
- Step 4.** Inspect labels. All product information labels must be present and fully legible.
- Step 5.** Record the inspection date and results in the inspection and maintenance log in section 9.0 of this manual.

5.4 IF INSPECTION REVEALS AN UNSAFE OR DEFECTIVE CONDITION REMOVE UNIT FROM SERVICE AND DESTROY, OR RETURN TO DBI-SALA FOR REPAIR.

NOTE: Only DBI-SALA or parties authorized in writing may make repairs to this equipment.

6.0 MAINTENANCE, SERVICING, STORAGE

- 6.1 CLEANING:** Periodically clean the Door Jamb Anchor using water and a mild soap solution. Do not use acids or other caustic chemicals that could damage the system components.
- 6.2 USER EQUIPMENT:** Maintain, service, and store harness and personal fall arrest components according to manufacturer's instructions.

7.0 SPECIFICATIONS

7.1 MATERIALS:

All materials used in the construction of this equipment are as follows:

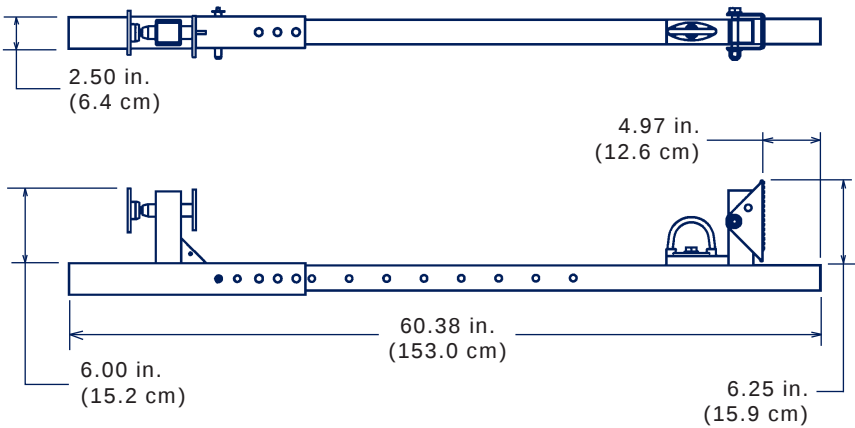
Aluminum Alloy Anchor
Zinc-Plated Alloy Steel D-ring

7.2 DIMENSIONS AND WEIGHT:

Size: Adjustable to fit 21 1/2 in. (55 cm) to 51 1/2 in. (131 cm) openings.

Weight: 14 lbs. (6.4 kg)

Dimensions:



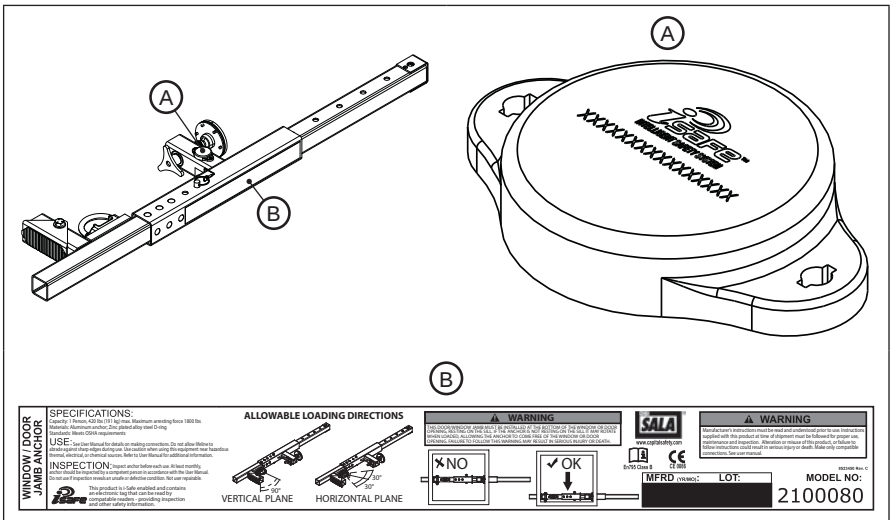
7.3 CAPACITY:

Capacity: 1 user, 310 lbs. (141 kg) maximum weight.

Strength: 3,600 lbs (16 kN) in directions specified in section 1.2.

8.0 LABELING

8.1 The following labels must be present and fully legible:



INSPECTION AND MAINTENANCE LOG

SERIAL NUMBER:

MODEL NUMBER:

DATE PURCHASED:

DATE OF FIRST USE:

[illegible]

INSPECTION AND MAINTENANCE LOG

SERIAL NUMBER:

MODEL NUMBER:

DATE PURCHASED:

DATE OF FIRST USE:

Inspection Date	Inspection Items Noted	Corrective Action	Maintenance Performed
Approved By:			
Approved By:			
Approved By:			
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LIMITED LIFETIME WARRANTY

Warranty to End User: D B Industries, Inc., dba CAPITAL SAFETY USA ("CAPITAL SAFETY") warrants to the original end user ("End User") that its products are free from defects in materials and workmanship under normal use and service. This warranty extends for the lifetime of the product from the date the product is purchased by the End User, in new and unused condition, from a CAPITAL SAFETY authorized distributor. CAPITAL SAFETY'S entire liability to End User and End User's exclusive remedy under this warranty is limited to the repair or replacement in kind of any defective product within its lifetime (as CAPITAL SAFETY in its sole discretion determines and deems appropriate). No oral or written information or advice given by CAPITAL SAFETY, its distributors, directors, officers, agents or employees shall create any different or additional warranties or in any way increase the scope of this warranty. CAPITAL SAFETY will not accept liability for defects that are the result of product abuse, misuse, alteration or modification, or for defects that are due to a failure to install, maintain, or use the product in accordance with the manufacturer's instructions.

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