

**AMP**  
**RESEARCH** **MOTOXTender**<sup>®</sup>  
MADE IN USA

**APPLICATION**

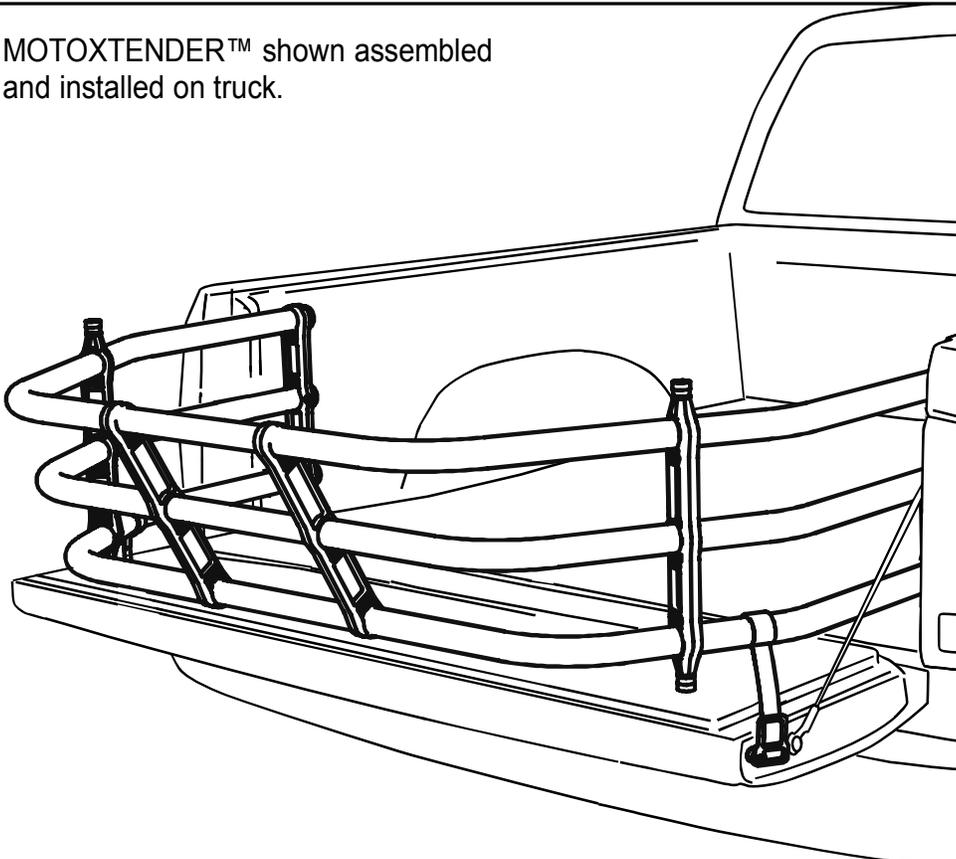
MOTOXTENDER

**PART #**

74809-00A (Silver)

74809-01A (Black)

MOTOXTENDER™ shown assembled and installed on truck.



Remove contents from box and check for damage. Verify all parts against parts list. Read and understand instructions completely before attempting assembly and installation.

**INSTALLATION TIME**



1:00 hr

**SKILL LEVEL**



1= Easy

**TOOLS REQUIRED**

Phillips screw driver

Torx T-20 driver

Power drill

9/64" drill bit

Center punch

Supplied template

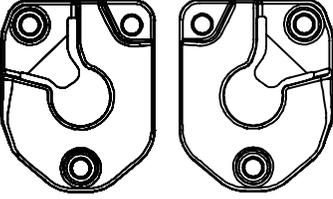
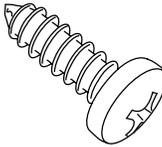
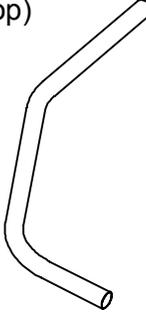
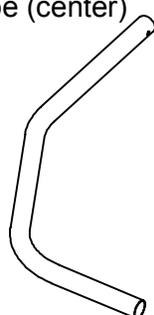
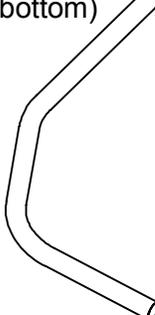
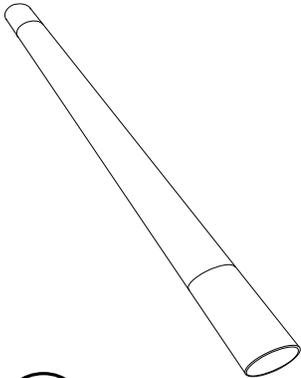
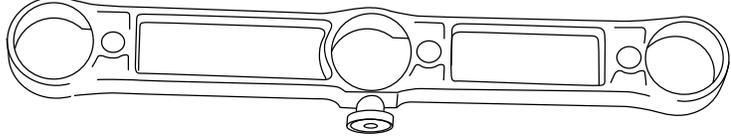
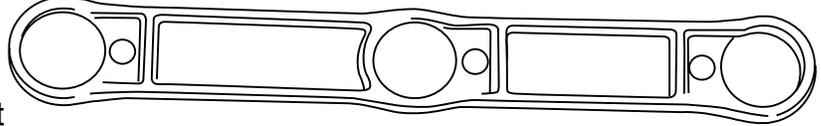
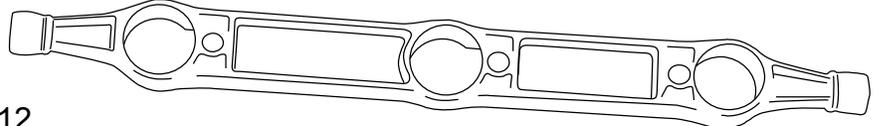
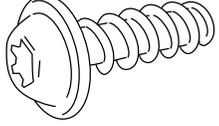
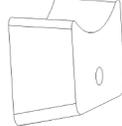
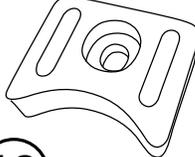
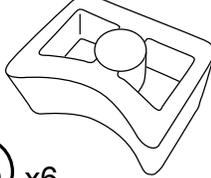
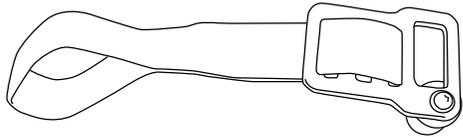
Hack saw

Required when installing narrow bed trucks.

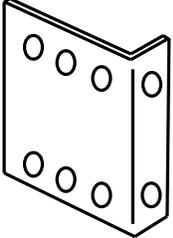
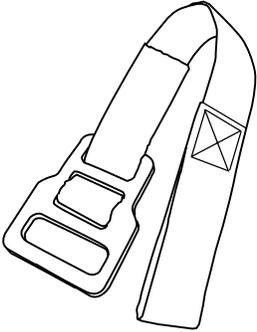
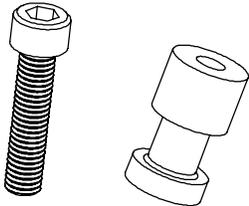
**AMP RESEARCH TECH SUPPORT 1-888-983-2204 Monday - Friday, 6:00 AM - 5:00 PM PST**

Designed and manufactured by AMP Research. Patent 5,700,047 / 6,113,173 / 6,402,215 / 6,806,392 / 7,063,366 / 7,240,940 / 7,393,035 / 7,547,054 / D417,859 / D418,106 D544,826 Other US and worldwide patents pending. Made in USA. Three-year limited warranty. "Bed X-Tender" is a trademark of AMP Research.

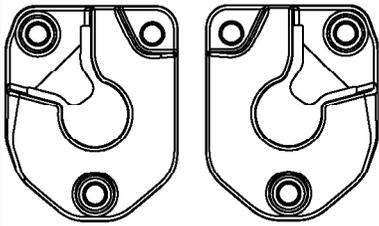
PARTS LIST AND HARDWARE IDENTIFICATION

<p><b>1</b> 15-3709L-90 15-3709R-90 Mounting brackets</p> 	<p><b>2</b> x6 20-01998-90 Phillips head screw, self tapping</p> 	<p><b>3</b> x4 Black: 20-03633-90 Silver 20-03632-91 Long bent tube (top)</p> 	<p><b>4</b> x2 Black: 20-03633-90 Silver: 20-03633-91 Pre-drilled bent tube (center)</p> 	<p><b>5</b> x4 Black: 20-03634-90 Silver: 20-03634-91 Short bent tube (bottom)</p> 
<p><b>6</b> x3 Black: 20-01663-94 Silver: 20-02238-90 Center tube</p> 	<p><b>7</b> x2 20-02293-13 Pivot upright</p> 			
	<p><b>8</b> x2 20-02668-11 Center upright</p> 			
	<p><b>9</b> x2 20-02293-12 Bumper upright</p> 			
<p><b>10</b> x18 11-02064-90 PT-Screw</p> 	<p><b>11</b> x12 20-02065-90 Large wedge</p> 	<p><b>12</b> x6 20-02650-90 Thru-hole wedge</p> 	<p><b>13</b> x6 20-02649-90 Threaded double wedge</p> 	<p><b>14</b> x6 20-01696-90 Tube end cap</p> 
<p><b>15</b> x2 20-01662-94 Strap latch assembly</p> 	<p><b>16</b> x2 20-02044-90 Phillips head screw</p> 	<p><b>17</b> x2 20-02110-90 Strap Latch Retainer</p> 		

## ADDITIONAL MOUNTING KITS

	DESCRIPTION	APPLICATION	PART #
	<p>L Mounting Bracket Kit</p> <p>REQUIRED TO COMPLETE INSTALLATION</p> <p>(comes with two brackets and required hardware)</p>	<p>GM S-Series GM Colorado/Canyon Mazda B-Series Nissan compact (not Titan) Toyota compact (not Tundra)</p>	80-03080-90
	<p>GM Colorado/Canyon Mounting Kit</p> <p>REQUIRED TO COMPLETE INSTALLATION</p> <p>(comes with two strap assemblies)</p>	GM Colorado/Canyon	20-02504-91
	<p>Toyota Strap Latch Kit</p> <p>REQUIRED TO COMPLETE INSTALLATION</p> <p>(comes with two screws and two inserts)</p>	Toyota (all trucks)	20-02098-90

## UNIVERSAL MOUNTING BRACKET INSTALLATION



①

Mounting brackets

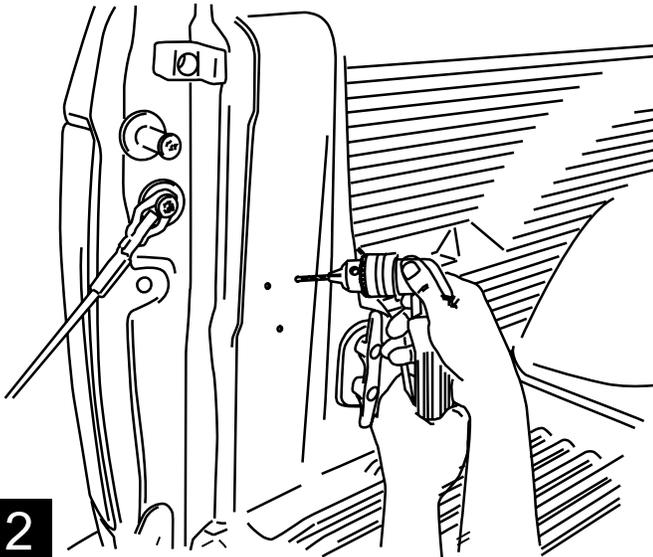
② x6

Phillips head screw,  
self tapping

Cut out supplied template and tape on the D-pillar as shown. Using a center punch, mark holes as specified by the template.

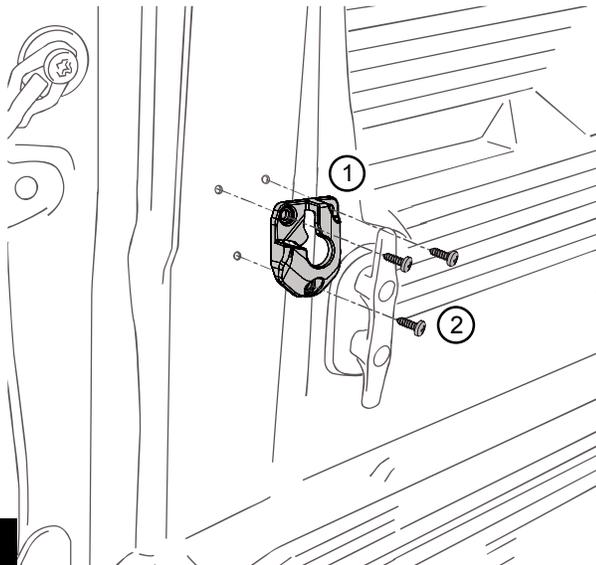


1



2

Using a power drill and 9/64" drill bit, drill through the sheet metal. If equipped with a bedliner, drill through bedliner.



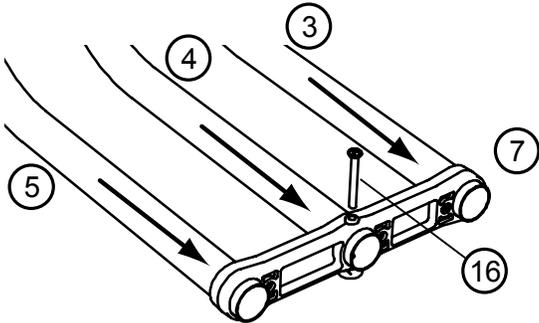
3

Fasten mounting brackets using the Phillips head screws and torque to 30 in. lbs. If equipped with bedliner, install mounting brackets over bedliner.

NOTE: If bedliner has contours that may prohibit a flat, solid mounting surface, cut out a rectangular section to clear the bracket and mount the bracket directly to the metal D-pillar.

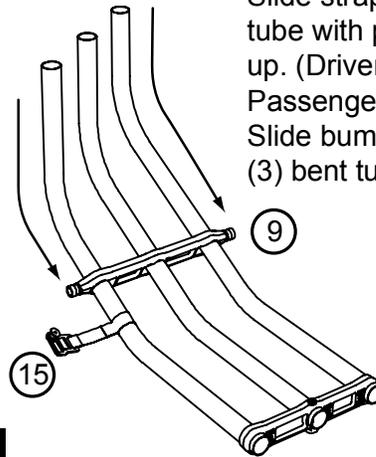
## MOTOXTENDER ASSEMBLY

Slide (3) bent tubes through pivot upright, bends facing up. Locate drilled tube in center position. Pivot should be on bottom.



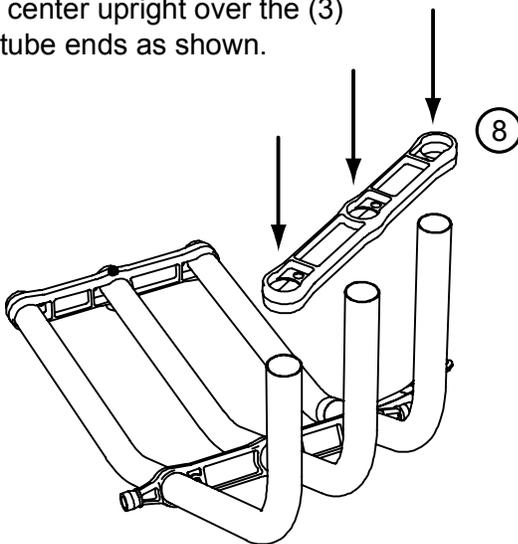
**1** Insert Phillips screw through pivot upright and pre-drilled center tube. Torque screw to 18 in. lbs.

Slide strap latch over outside tube with plastic insert is facing up. (Driver side shown, Passenger side opposite.) Slide bumper upright over the (3) bent tubes.



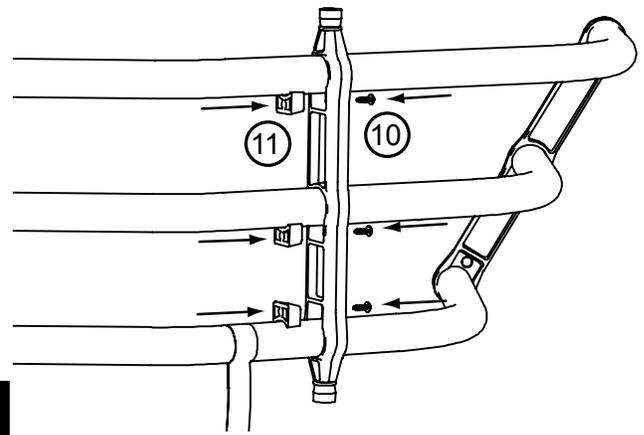
**2**

Place center upright over the (3) open tube ends as shown.



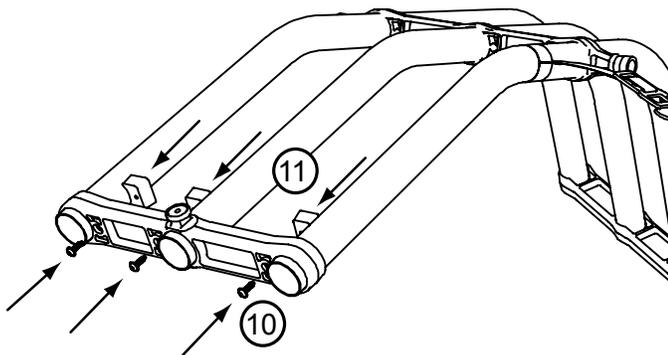
**3**

Insert large wedge and PT screw into bumper upright and assemble loosely. The bumper upright will be adjusted and tightened later in Step 12.



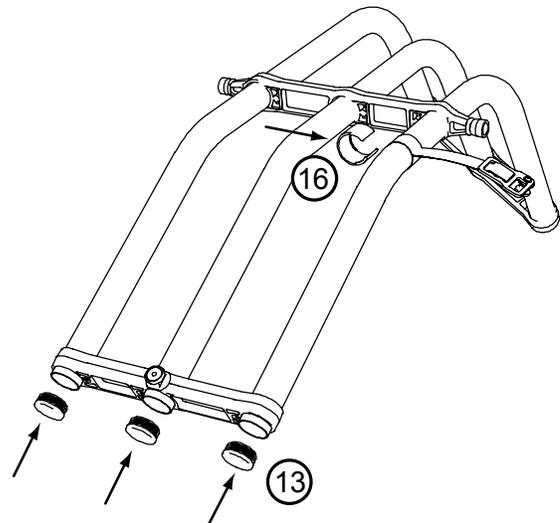
**4**

With the assembled arranged as shown (tube ends should extend through the pivot upright approx. 3/8"), secure pivot upright with large wedges and PT screws. Torque to 20 in-lbs.



**5**

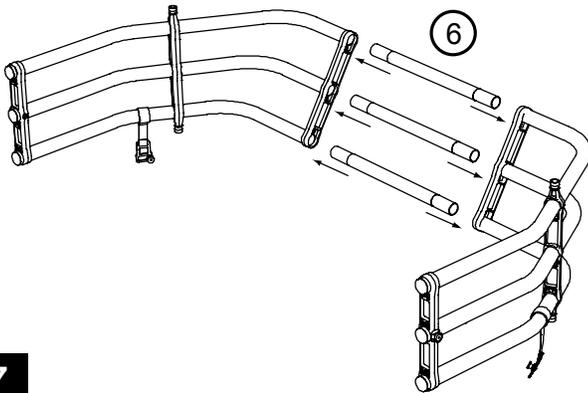
Install strap latch retainers and end caps.



**6**

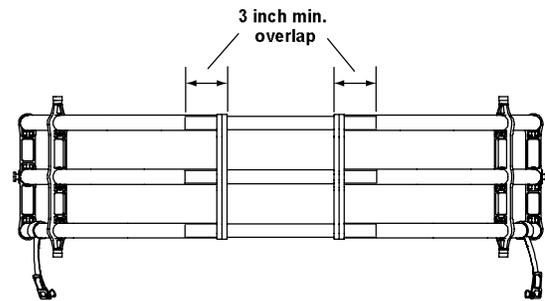
MOTOXTENDER ASSEMBLY – CONTINUED

Slide (3) center tubes into the open ends of the bent tubes as shown.



7

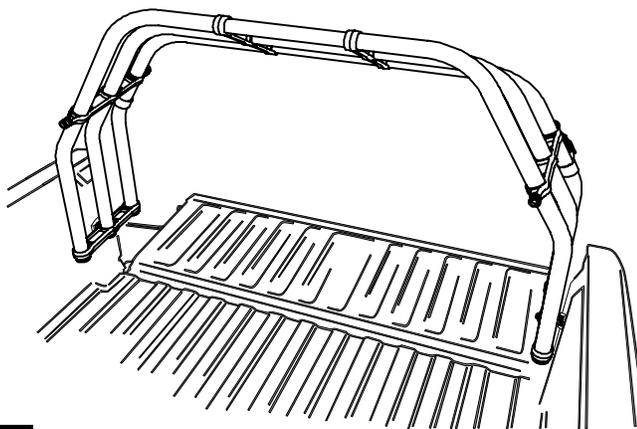
Connect the two halves. Make sure there is a minimum of 3" of overlap with the bent tubes on each half.



8

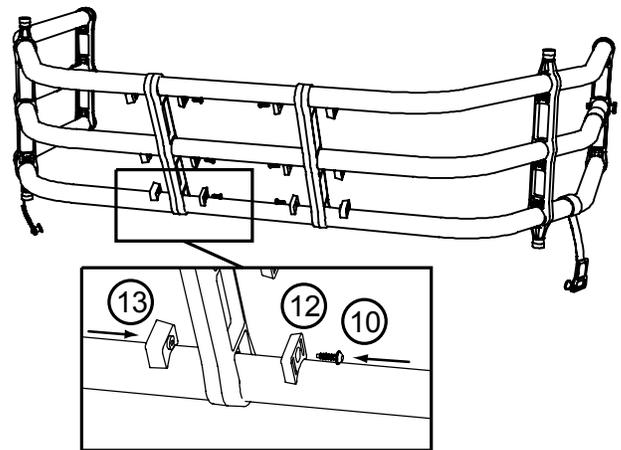
\*For truckbeds narrower than 54" (between D-pillars) cut 2" off of each end of straight tubes.

Adjust the width of the BedX-tender by placing the pivots into the brackets.



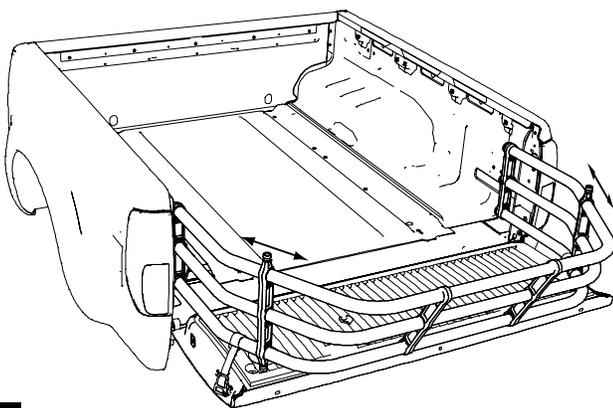
9

Secure the center uprights with double wedges and PT screws. (The thru-hole wedge is placed in the shallow pocket.)



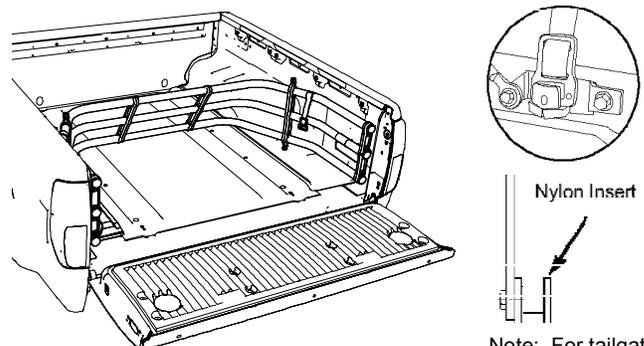
10

Adjust bumper uprights so that the bumper rests on a flat surface on the tailgate.



11

Rotate MOTOXTENDER into the bed to check that the bumper position is on a flat surface. Torque PT screws to 20 in. lbs. Close tailgate and check for clearance.



12

When MOTOXTENDER is out on the tailgate be sure to fasten strap latches properly.

Note: For tailgates with side latches, nylon inserts must be removed from buckles.

## LIMITED WARRANTY

AMP RESEARCH warrants product to be free from defects in material and workmanship, for terms specified below, provided there has been normal use and proper maintenance. This warranty applies to the original purchaser only. All remedies under this warranty are limited to the repair or replacement of any item found by the factory to be defective within the time period specified.

If you have a warranty claim, first you must call our factory at the number below for instructions. You must retain proof of purchase and submit a copy with any items returned for warranty work. Upon completion of warranty work, if any, we will return the repaired or replaced item or items to you freight prepaid. Damage to our products caused by accidents, fire, vandalism, negligence, misinstallation, misuse, Acts of God, or by defective parts not manufactured by us, is not covered under this warranty.

THE WARRANTY TIME PERIOD IS AS FOLLOWS: THREE YEARS FROM DATE OF PURCHASE.

ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE CREATED HEREBY ARE LIMITED IN DURATION TO THE SAME DURATION AND SCOPE AS THE EXPRESS WRITTEN WARRANTY. OUT COMPANY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

FOR WARRANTY ISSUES WITH THIS PRODUCT PLEASE CALL AMP RESEARCH CUSTOMER SERVICE BY CALLING TOLL - FREE 1-800-315-9697

## WARNING

The manufacturer strongly recommends that this product be professionally installed.

Failure to carefully follow the electrical installation steps could result in severe electrical shock that could harm the installer and/or damage the vehicle.

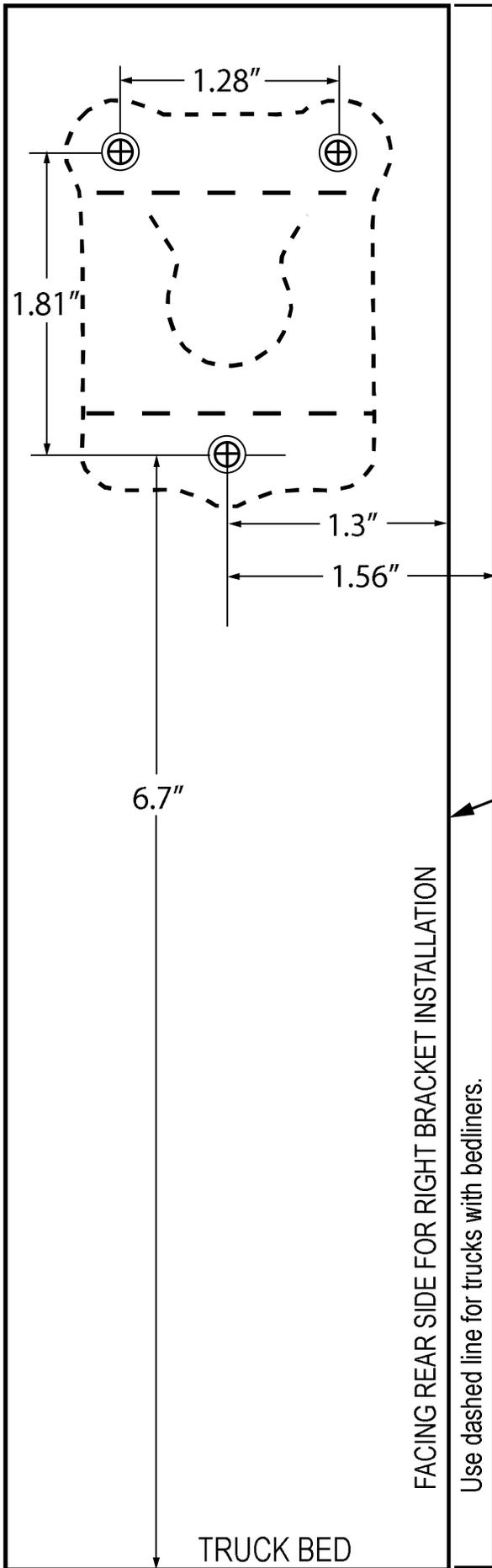
This product is designed to enhance the appearance of the vehicle. Do not rely in any way on the components of this product to contain occupants within the vehicle, or to protect against injury or death in the event of an accident. Never operate vehicle in excess of manufacturer's specifications.

**WEAR SEAT BELTS AT ALL TIMES**

Read and follow, precisely, all installation instructions provided when installing this product. Failure to do so could place occupants of the vehicle in a potentially dangerous situation. After installing or reinstalling, check to make sure it has been properly installed.

# Drill template for MOTOXTENDER™ mounting brackets

NOTE: FOR TRUCKS WITH BEDLINERS, USE THIS TEMPLATE ON TOP OF BEDLINER. DO NOT CUT BEDLINER!



Cut or fold along solid lines.  
(Dashed lines for trucks with bedliners.)

