

ASSEMBLY & INSTALLATION GUIDE

AMP **MotoXtender**[®] RESEARCH MADE IN USA

APPLICATION

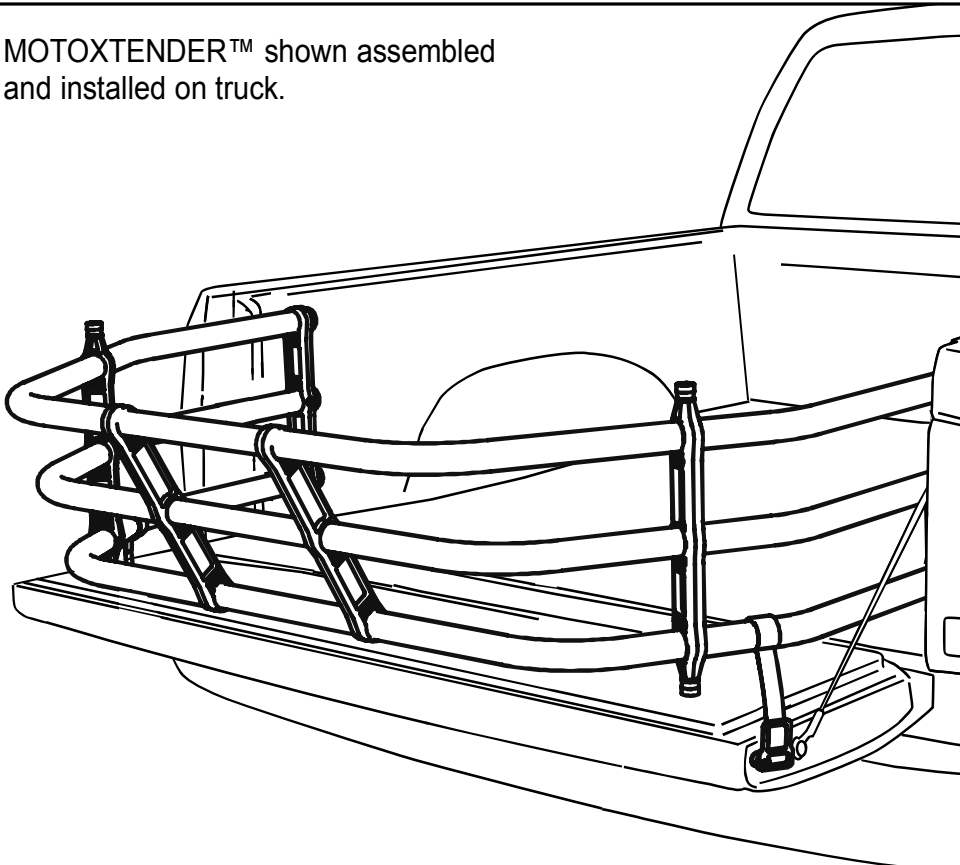
MOTOXTENDER

PART

74809-00A (Silver)

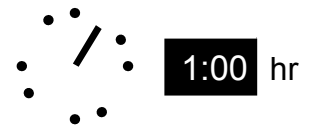
74809-01A (Black)

MOTOXTENDER™ shown assembled
and installed on truck.

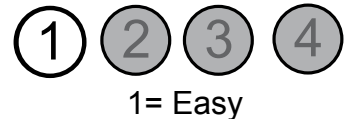


Remove contents from box and check for damage. Verify all parts against parts list. Read and understand instructions completely before attempting assembly and installation.

INSTALLATION TIME



SKILL LEVEL



TOOLS REQUIRED

Phillips screw driver

Torx T-20 driver

Power drill

9/64" drill bit

Center punch

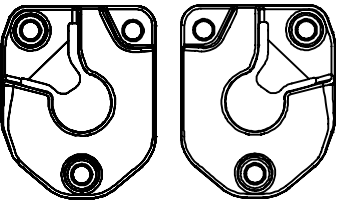
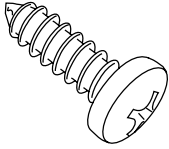
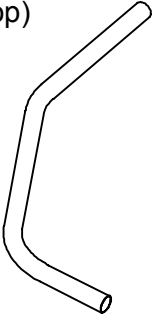
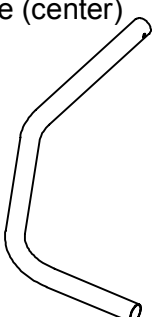
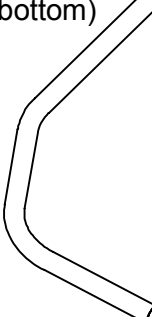
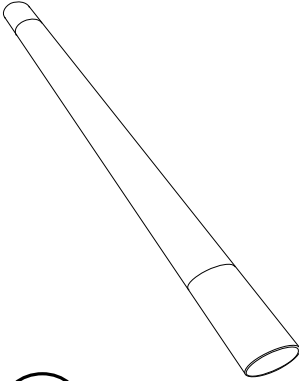
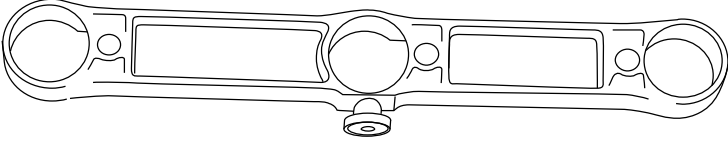
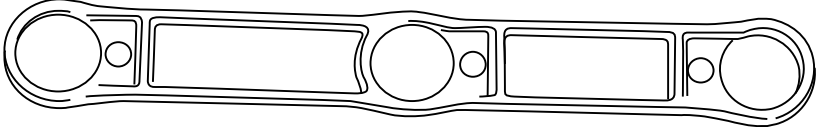
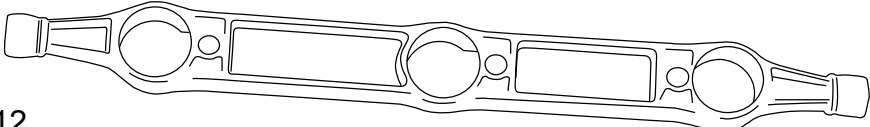
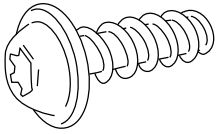
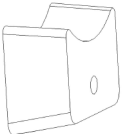
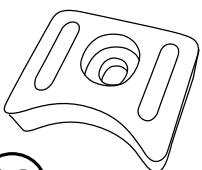
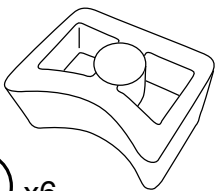

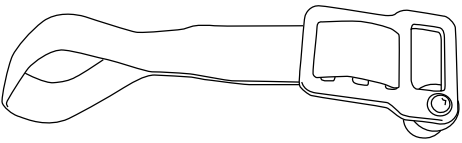
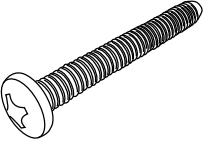

Supplied template

Hack saw

Required when installing narrow
bed trucks.

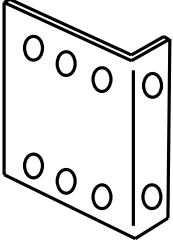
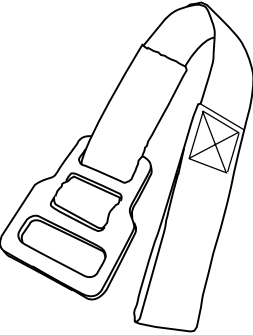
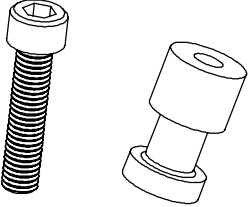
AMP RESEARCH MOTOXTENDER™

PARTS LIST AND HARDWARE IDENTIFICATION

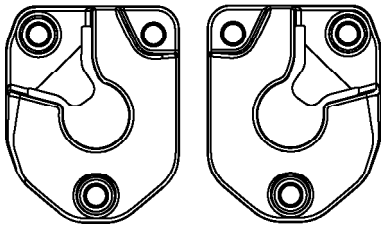
<p>1</p> <p>15-3709L-90 15-3709R-90 Mounting brackets</p> 	<p>2 x6</p> <p>20-01998-90 Phillips head screw, self tapping</p> 	<p>3 x4</p> <p>Black: 20-03633-90 Silver 20-03632-91 Long bent tube (top)</p> 	<p>4 x2</p> <p>Black: 20-03633-90 Silver: 20-03633-91 Pre-drilled bent tube (center)</p> 	<p>5 x4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

AMP RESEARCH MOTOXTENDER™

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

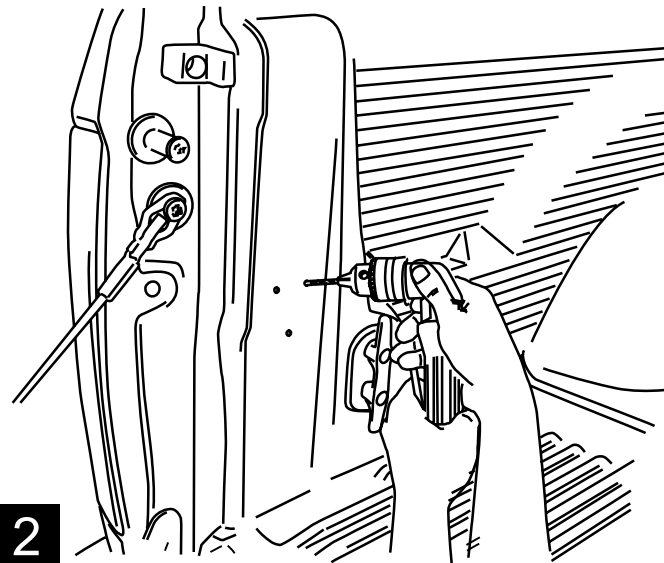
x6

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.

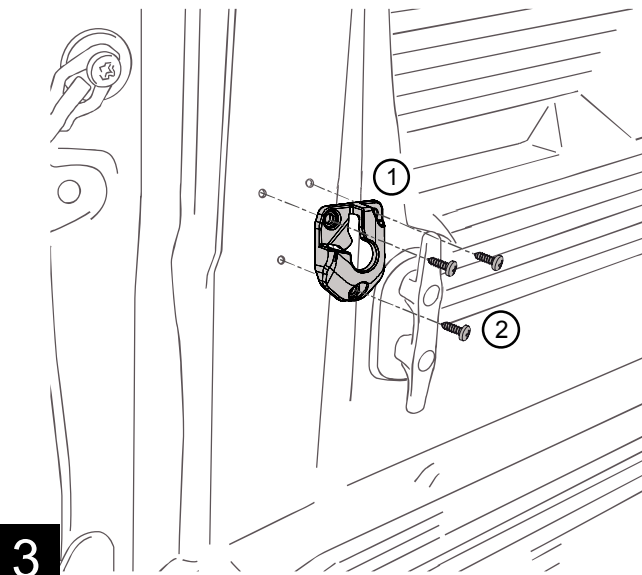


1



2

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



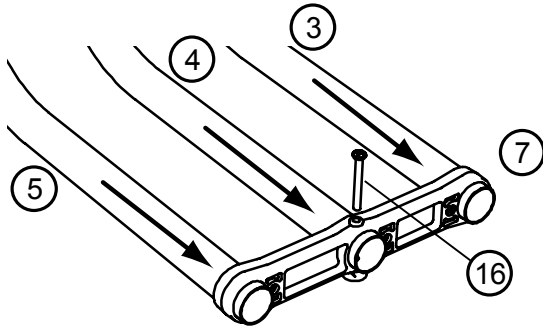
3

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.

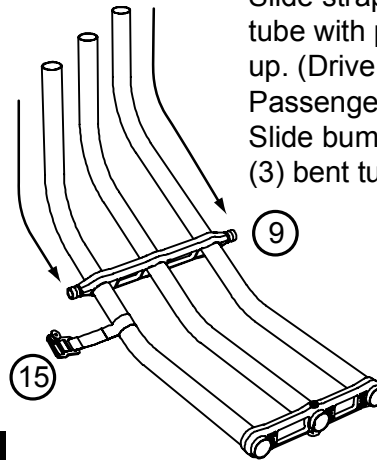
MOTOXTENDER ASSEMBLY

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



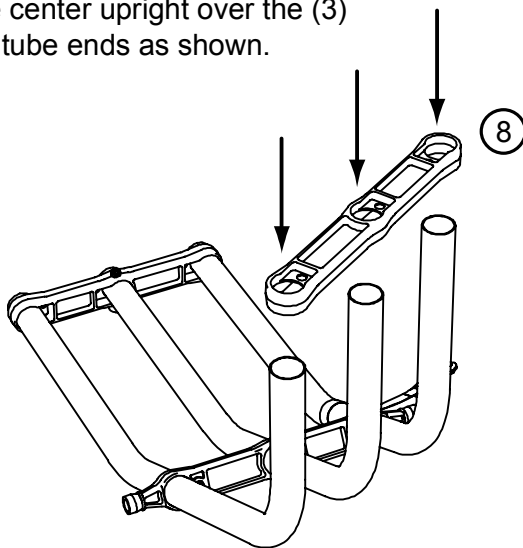
1 Insert Phillips screw through pivot upright and pre-drilled center tube. Torque screw to 18 in. lbs.

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.



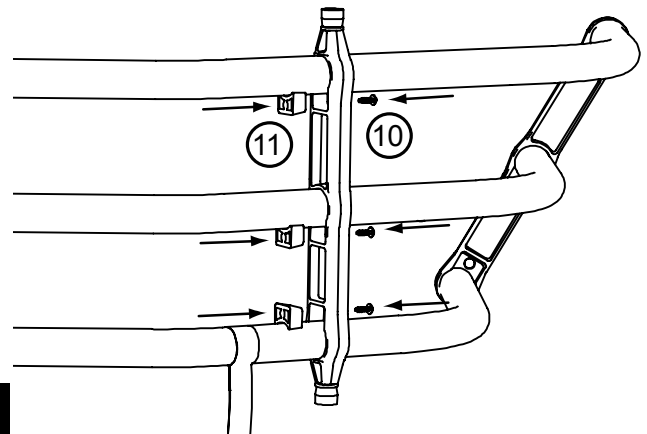
2

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



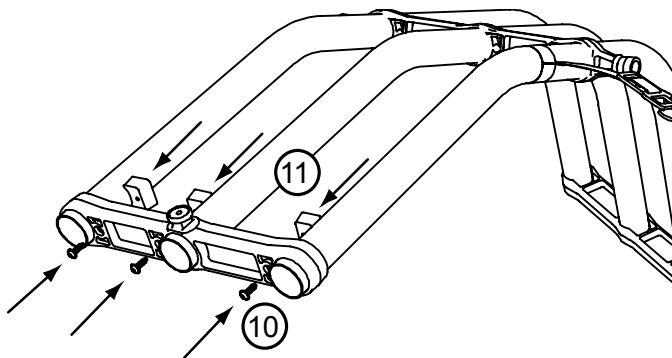
3

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



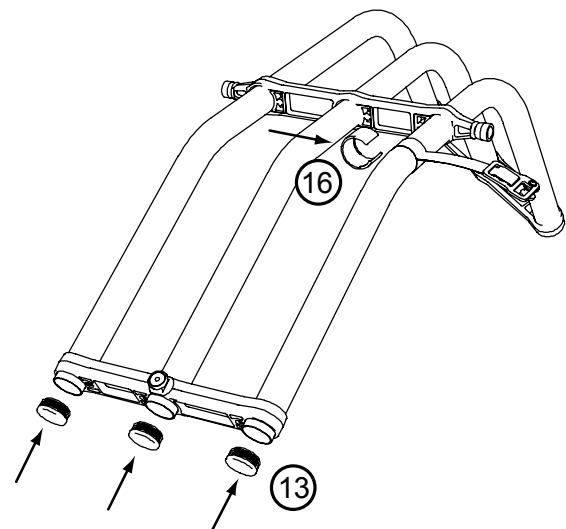
4

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

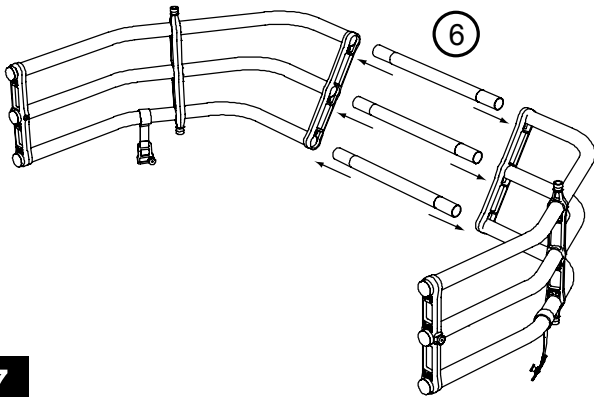
Install strap latch retainers and end caps.



6

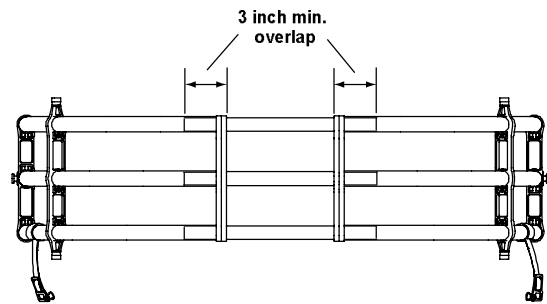
MOTOXTENDER ASSEMBLY – CONTINUED

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



7

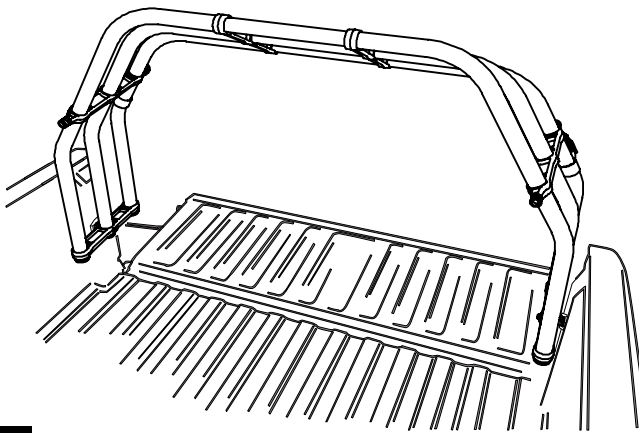
Connect the two halves. Make sure there is a minimum of 3" of overlap with the bent tubes on each half.



8

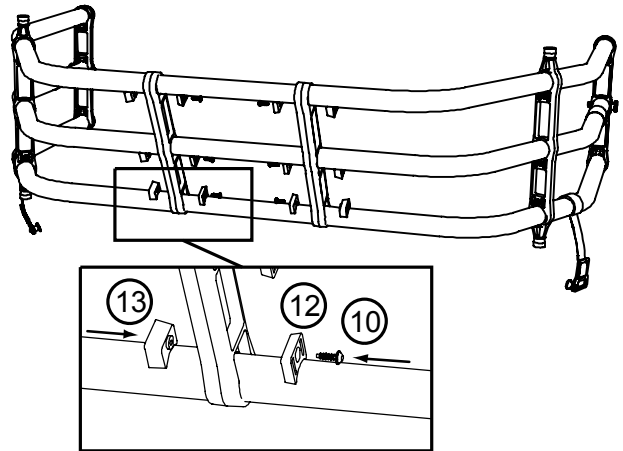
*For truckbeds narrower than 54" (between D-pillars) cut 2" off of each end of straight tubes.

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



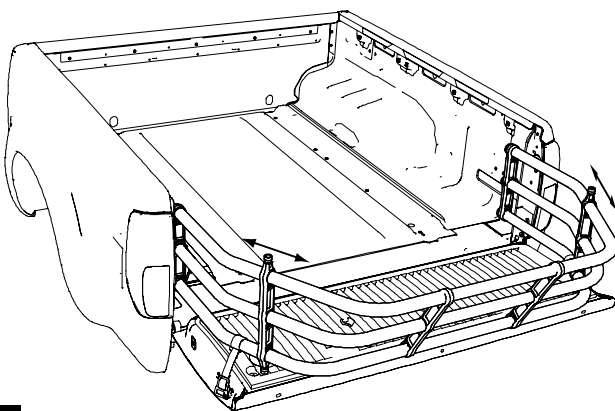
9

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



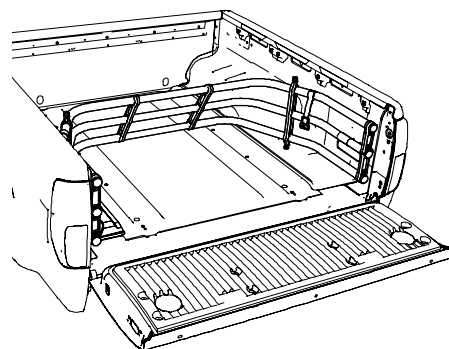
10

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



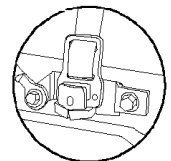
11

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.



Nylon Insert

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

Drill template for MOTEXTENDER™ mounting brackets

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

