

Parts & Service



Timpte, Inc
1827 Industrial Drive
David City, NE 68632
(402) 367-3056
Fax: (402) 367-4340

To: Timpte Branch Parts and Service Personnel, Timpte Dealer Parts and Service Personnel, Timpte Sales Personnel

From: Product Engineering

Date: November 1, 2018

Parts and Service Bulletin: #73

Subject:

Performance Enhancement Update, Aluminum Couplers (96W/102W). Endurance testing has shown us that we can improve the long term performance of the cross tubes and cross straps on the aluminum upper coupler through the addition of extra fasteners into the rear most tube.

Anytime that you replace the cross tubes or the cross straps on an existing aluminum upper coupler, please use the following procedure and parts.

Description:

Add additional BOM fasteners and cross strap spacer, update cross strap installation

- | | | |
|--------------|--------------|--------|
| o #032-06590 | BOM fastener | 2 each |
| o #032-34888 | BOM fastener | 2 each |
| o #040-48024 | Spacer | 1 each |

Effective Date: November 1, 2018

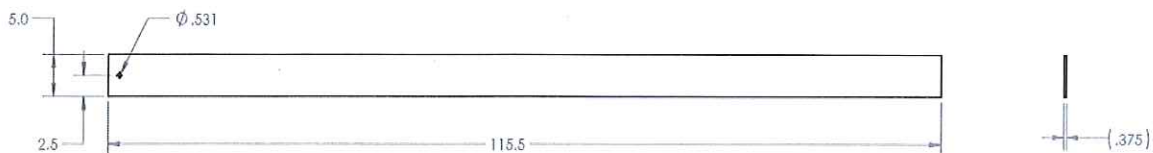
ECN: #6456

New Parts:

#040-61194 cross strap AL 96W/102W

Service Parts:

#040-61194 cross strap AL 96W/102W service only, all trailers, 96W and 102W

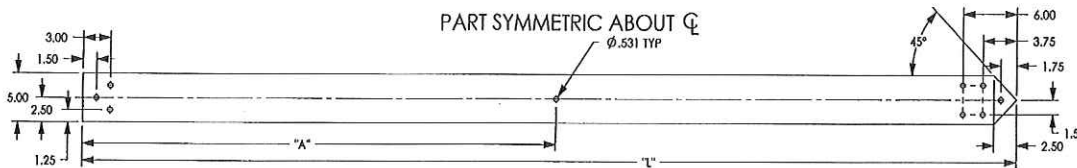


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Reference drawing #040-45776-XXXXX for fabrication at Branch from #040-61194



Base pt. #040-45776-XXXXX, determine dimensions from table below

ALUMINUM COUPLER

SUFFIX	TRAILER	'A'	'L'
-01656	33'-5" (96W)	52 1/2"	103 1/2"
-01736	33'-5" (102W)	56"	108 1/2"
-01656	38' (96W)	52 1/2"	103 1/2"
-01736	38' (102W)	55"	108 1/2"
-01656	40' (96W)	52 1/2"	103 1/2"
-01736	40' (102W)	55"	108 1/2"
-01656	42'-2" (96W)	52 1/2"	103 1/2"
-01736	42'-2" (102W)	55"	108 1/2"
-01656	43' (96W)	52 1/2"	103 1/2"
-01736	43' (102W)	55"	108 1/2"
-01656	45' (96W)	52 1/2"	103 1/2"
-01736	45' (102W)	55"	108 1/2"
-01656	46'-6" (96W)	52 1/2"	103 1/2"
-01736	46'-6" (102W)	55"	108 1/2"
-01680	48' (96W)	53 1/2"	105"
-01736	48' (102W)	55"	108 1/2"
-01736	49' (96W)	55"	108 1/2"
-01816	49' (102W)	57"	113 1/2"
-01776	50' (96W)	57 1/4"	111"
-01848	50' (102W)	59 1/8"	115 1/2"
-01688	30' (102W) B-TRAIN PUP	53 1/2"	105 1/2"

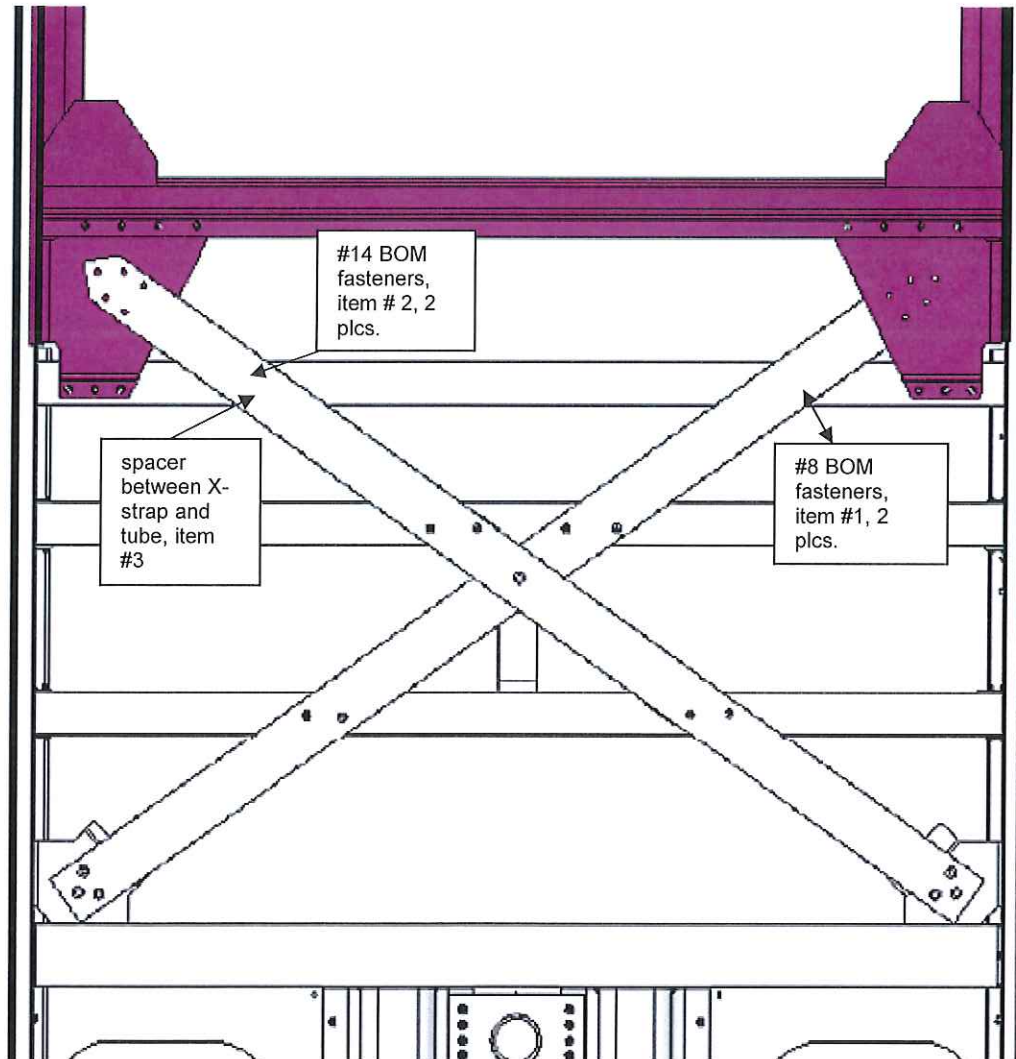
Drawing #040-45776-XXXXX and reference table provides hole locations for base AL cross member component.

Disposition of Existing Inventory: None Required

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#032-06590	#8 BOM fastener	2 each	#1
#032-34888	#14 BOM fastener	2 each	#2
#040-48024	Spacer	1 each	#3

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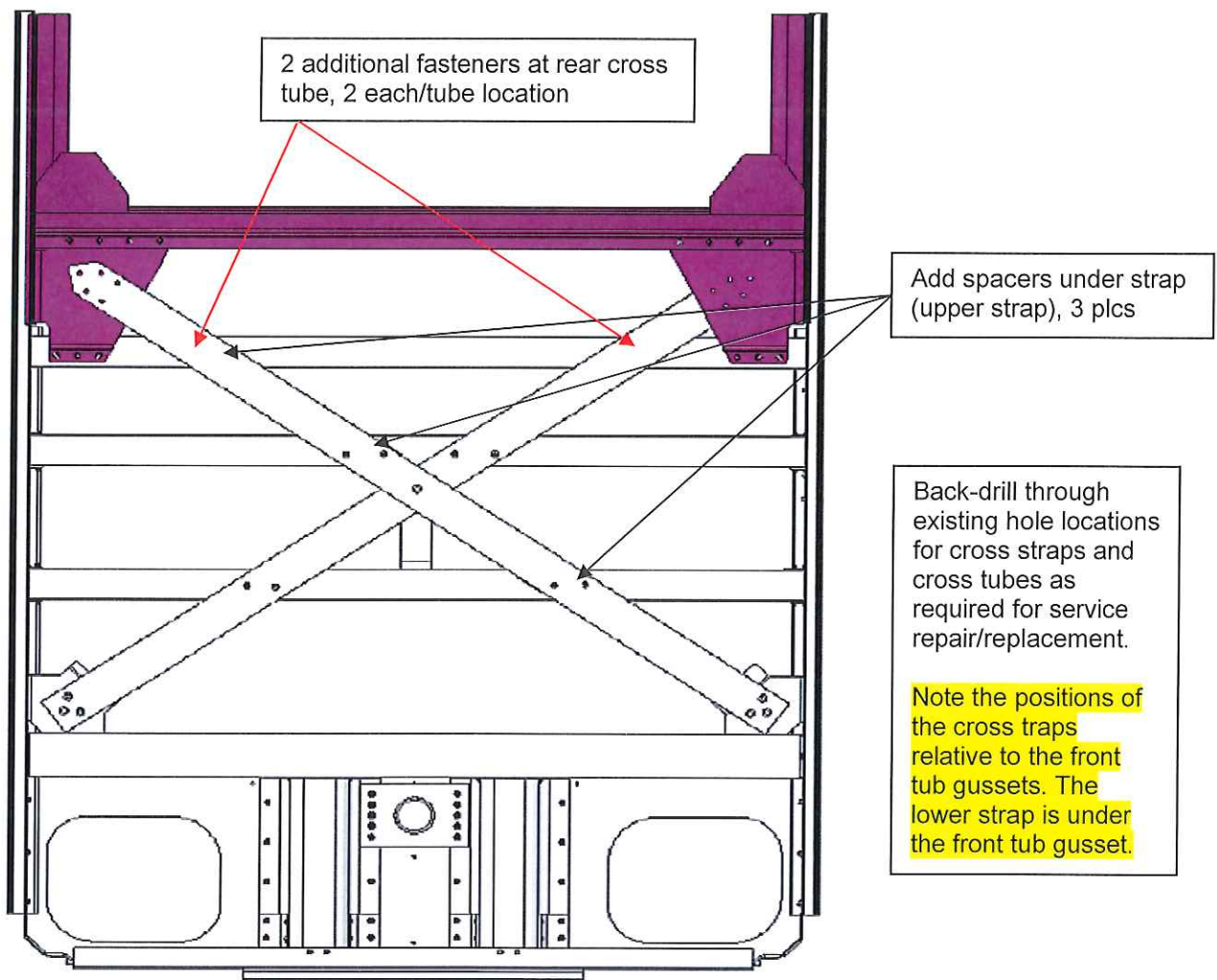


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Field replacement components will be punched to allow proper installation at the **stealth** bracket end. All remaining fastener hole locations and strap length/shape is completed as listed in the table on page 2, this document, per AL coupler repair.

Add #8 BOM fasteners to the bottom cross strap (no spacer) to secure cross strap to cross tube

Add #14 BOM fasteners top the top cross strap (with spacer) to secure cross strap to cross tube



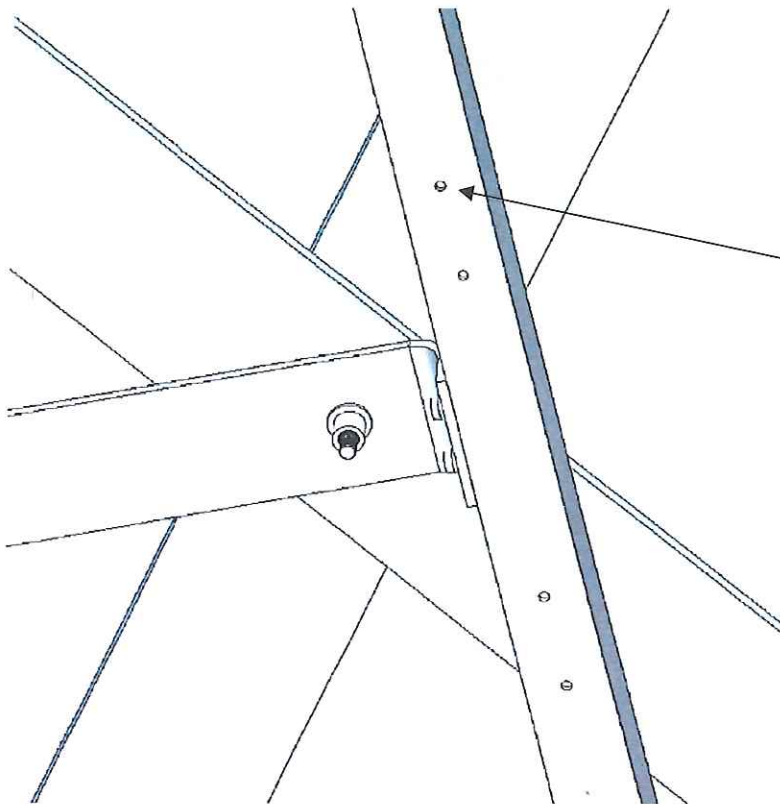
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Scenario #1: Replacing Cross Straps but not cross tubes presents problems with aligning existing holes in the cross tubes with the replacement cross straps:

- Cross tubes must be drilled through both top and bottom faces, then back-drill the straps through the cross tubes and mounting gussets/brackets to locate the holes for the straps
- use nuts, washers and bolts to re-assemble straps to tubs, all positions, 3/8-16 x 2 3/4" long for this method
- Use washers on the bottom of the cross tube and over the top of the cross straps for this process
- Straps should be pre-punched at either end for positioning cross straps



Back-drill through existing holes in cross tubes for cross strap only replacement; use nuts and bolts only for all fasteners for this repair.
NOTE: Do Not Use BOM fasteners for this repair.

Scenario #2: Replacing both cross straps and cross tubes allows the cross strap fastener holes to be drilled for the forward two (2) tubes for locating fasteners

- Use the drilled cross strap holes to pierce holes into the two forward cross tubes and install either #8 or #14 3/8" BOM fasteners to complete these connections; drill through the spacers unless the holes are pre-punched for fastener installation

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- The rear-most cross tube must have fastener holes positioned by drilling through the straps and into the top surface of the cross tube RDSD and CBSD, adding the spacer, then fastening the straps to the tubes as required
- The cross tubes must be located upward, against the aluminum coupler rail extenders for proper installation orientation.

Scenario #3: Replacing cross tubes but not cross straps allows all cross tube holes to be located from the existing cross straps

- Install the tubes in the proper locations, then back-drill the tubes through the existing holes in the cross straps
- Install the fasteners as normal, along with the spacers (reuse spacers, if possible)
- Back-drill the holes from the aluminum coupler stealth brackets and front tub gussets for the ends of the cross straps