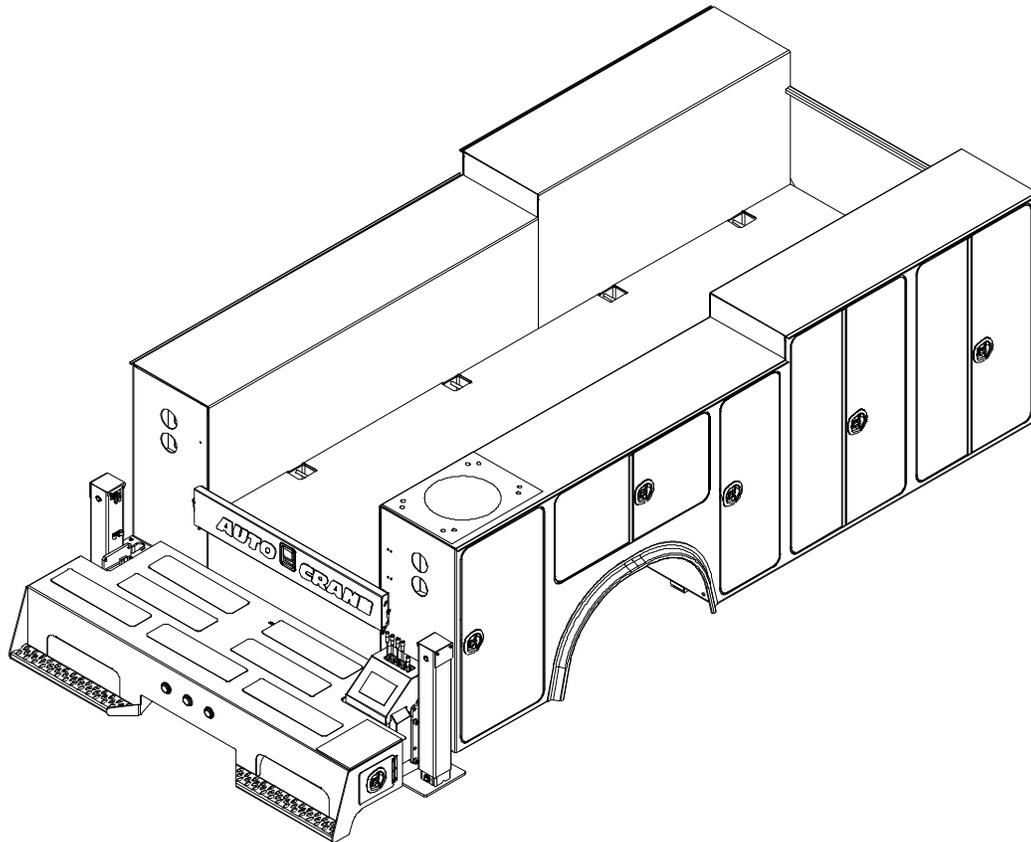




# TITAN 70 OWNERS MANUAL

Manual No. 772900000



Serial No. \_\_\_\_\_

Mailing Address:  
P.O. Box 580697  
Tulsa, OK 74158-0697  
Physical Address:  
4707 N. Mingo Rd.  
Tulsa, OK 74117-5904

Phone (918) 836-0463  
Fax (918) 834-5979  
<http://www.autocrane.com>





# Auto Crane Warranty Registration

Fax Transmission

To: Warranty Department Fax: (918) 834-5979  
 From: \_\_\_\_\_ Date: \_\_\_\_\_  
 Re: Product Registration Pages: \_\_\_\_\_

**End User Information:** (Required for Warranty Activation)

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Contact: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

**Distributor Information:** (Required for Warranty Activation)

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Contact: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

**Product Information:** (Required for Warranty Activation)

Model No.: \_\_\_\_\_ Serial No.: \_\_\_\_\_  
 Date Product Delivered: \_\_\_\_\_ Date Processed:\* \_\_\_\_\_  
 VIN # \_\_\_\_\_ \* For Auto Crane use only

## ONE REGISTRATION FORM PER UNIT (CRANE OR BODY)

Registration form must be mailed or faxed within 15 days of customer installation.

Mail to:  
 Warranty Department  
 Auto Crane Company  
 P.O. Box 581510  
 Tulsa, OK 74158-0697



# **TITAN 70 BODY**

## **OWNER'S MANUAL – REVISION RECORD**

Revision Date	Section(s) Or Page(s)	Description of Change
07/28/06	ALL	Production Release
5/24/07	1, 2, 5, 6, 10,& 13	General update to outriggers, bumpers, master lock & oxy/acet, & added CG
10/02/09	17-1.0	Update Preventive Maint. and Paint Instructions
4/20/10	Sec. 5	Revise Outrigger BOMs. 760390110 was 760388000
7/14/10	Sec. 5 & Back	Added valve setting. Added warranty

**Notes:**

1. The information contained in this manual is in effect at the time of this printing. It does not cover all instructions, configurations, accessories, etc. If you require additional information, please contact **Auto Crane Company** at **(918) 836-0463**.
2. **Auto Crane Company** reserves the right to update this material without notice or obligation.



# ***WARNINGS***

- **WARNING!** Federal Law (49CFR part 571) requires that the Final Stage Manufacturer of a vehicle, certify that the vehicle complies with all applicable federal regulations. Any modifications performed on the vehicle prior to the final stage are also considered intermediate stage manufacturing and must be certified as to compliance. The installer of this crane and body is considered one of the manufacturers of the vehicle. As such a manufacturer, the installer is responsible for compliance with all applicable federal and state regulations, and is required to certify that the vehicle is in compliance.
- **WARNING!** It is the further responsibility of the installer to comply with the OSHA Truck Crane Stability Requirements as specified by 29 CFR part 1910.180 (c) (1).
- **WARNING! NEVER OPERATE THE CRANE NEAR ELECTRICAL POWER LINES!** Death or serious injury will result from boom, line, or load contacting electric lines. Do not use crane within 10 feet of electric power lines carrying up to 50,000 volts. One foot additional clearance is required for every additional 30,000 volts or less.
- **WARNING!** Failure to correctly plumb and wire crane can cause inadvertent operation and damage to crane and/or personnel!

***READ THIS PAGE***

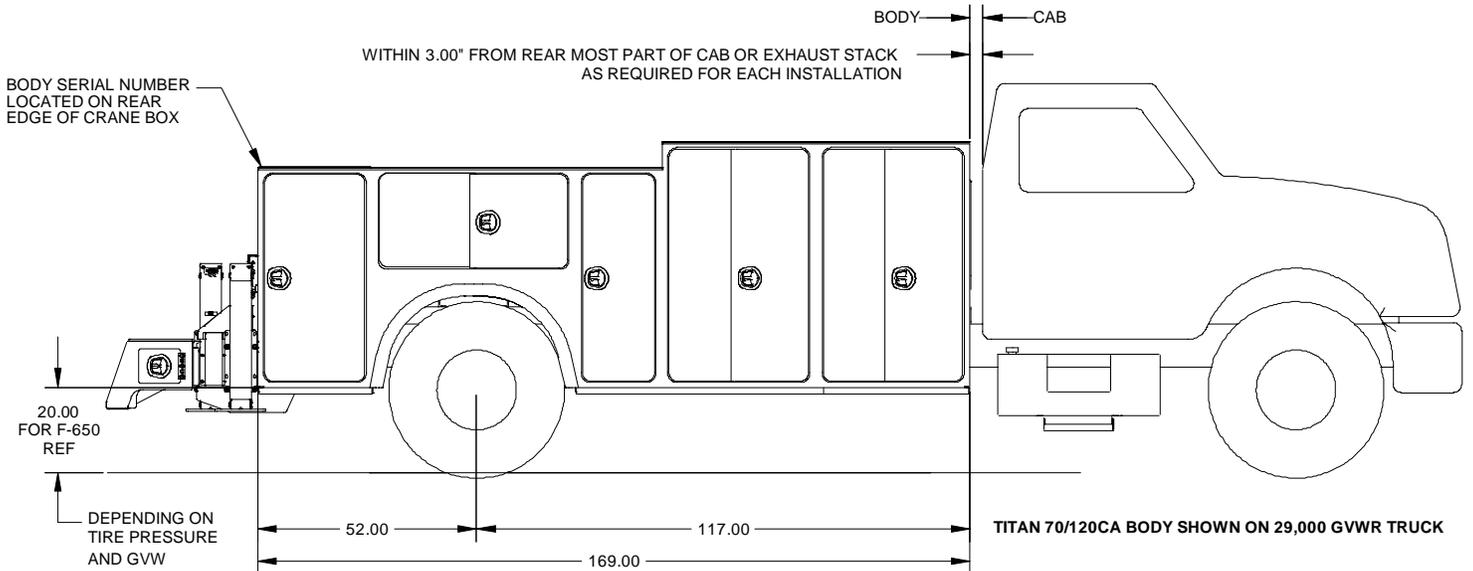


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# MOUNTING AND INSTALLATION TITAN 70

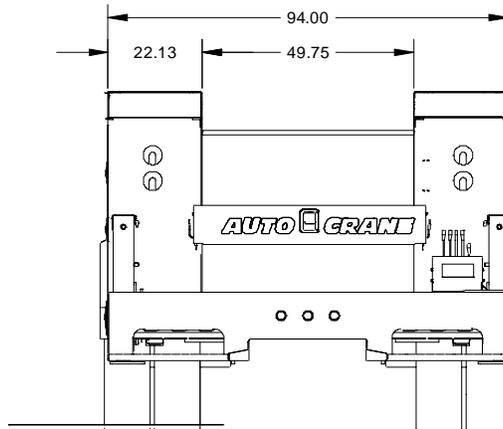
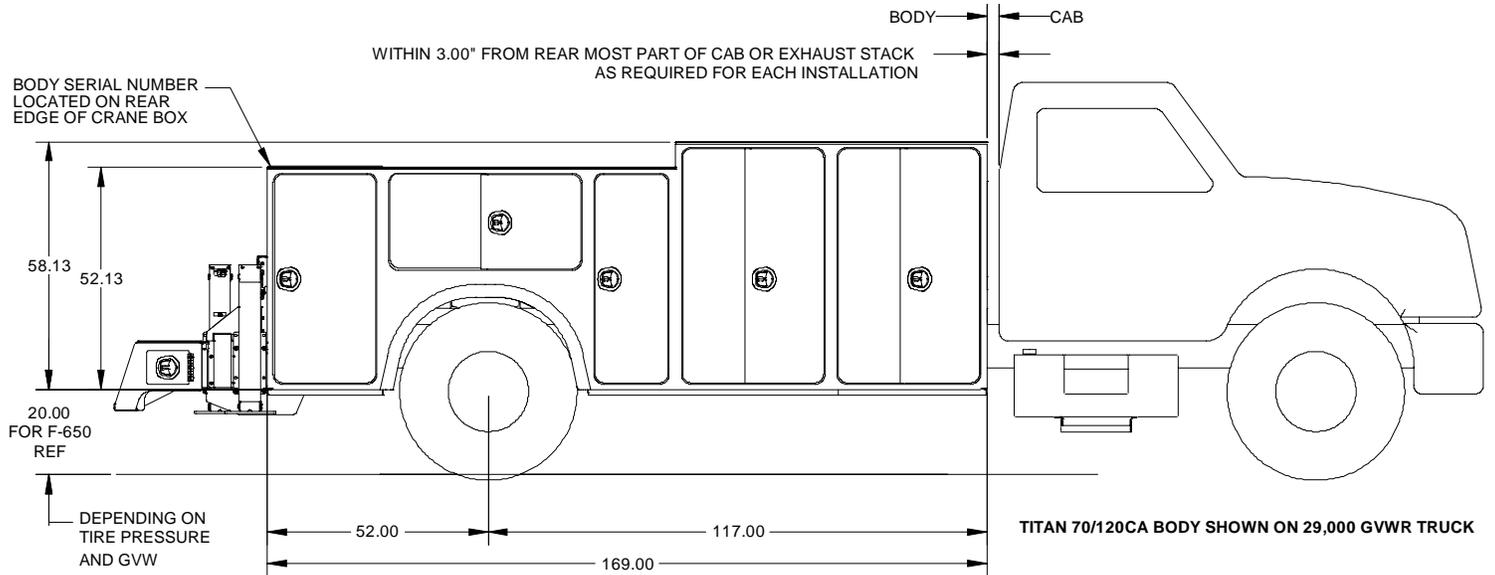


**DIMENSIONS ARE APPROXIMATE, NOT TO SCALE AND FOR REFERENCE ONLY.**

**NOTES:**

1. Rear Mounting
  - Drill rear existing outrigger support 4 places (21/32 drill) using staggered pattern.
  - Match drill truck frame. Refer to the truck body-builders manual on drilling.
  - Use (8) 5/8", grade-8 hardware (bolts, nuts, washers, etc.) for mounting. (4) per shear plate. Torque them to their recommended specs.
  - Typical both sides of body.
  - Do not weld to truck frame. Refer to truck body-builders manual for further info.
  
2. Forward Mounting
  - Using minimum 3/8" thick steel plate with minimum yield of 50,000 PSI x 4" to 6" wide, length as required, drill (3) 21/32"-dia. holes in a staggered pattern.
  - Match drill truck frame. Refer to the truck body-builders manual on drilling.
  - Use (6) 5/8", grade-8 hardware (bolts, nuts, washers, etc.) for mounting. Torque them to their recommended specs.
  - Weld upper portion of 3/8" plate to body longitudinal sill, (weld 3/8" fillet).
  - Typical both sides of body.
  - Do not weld to truck frame. Refer to truck body-builders manual for further info.
  
3. Forward Mounting for 120CA only
  - Add (2) mounting plates (1) per side and (6) mounting hardware. Drill and install as stated in note 2.
  
4. Minimum truck chassis of 29,000 lbs. GVWR, 34" frame rail width outside and heavy-duty reinforced frame.

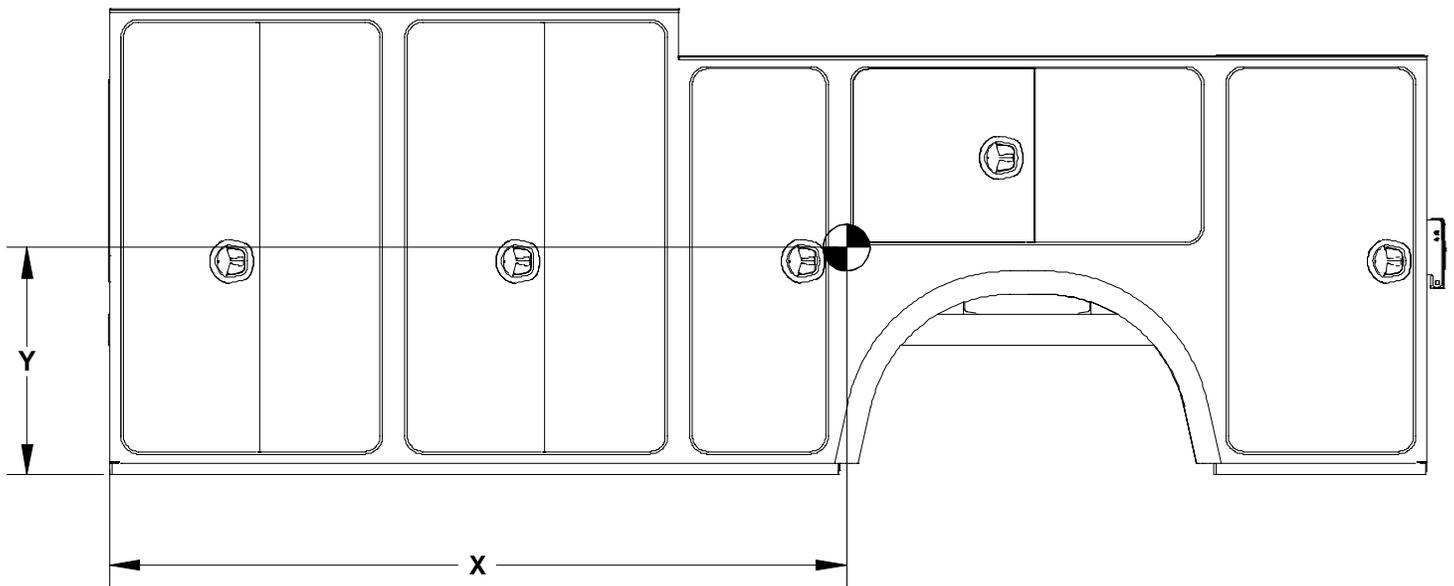
# GENERAL DIMENSIONS TITAN 70/120CA



<b>120CA</b>				
COMPARTMENT	WIDTH	HEIGHT	DEPTH	CU. FT.
FRONT	36 1/4	57 3/4	21 1/8	25.59
MID	20 9/16	51 3/4	21 1/8	13.01
HORIZONTAL	48	24 7/8	21 1/8	14.60
REAR	27 1/16	51 3/4	21 1/8	17.12
INSIDE COMPARTMENT SIZES			TOTAL BODY CU. FT.	191.82

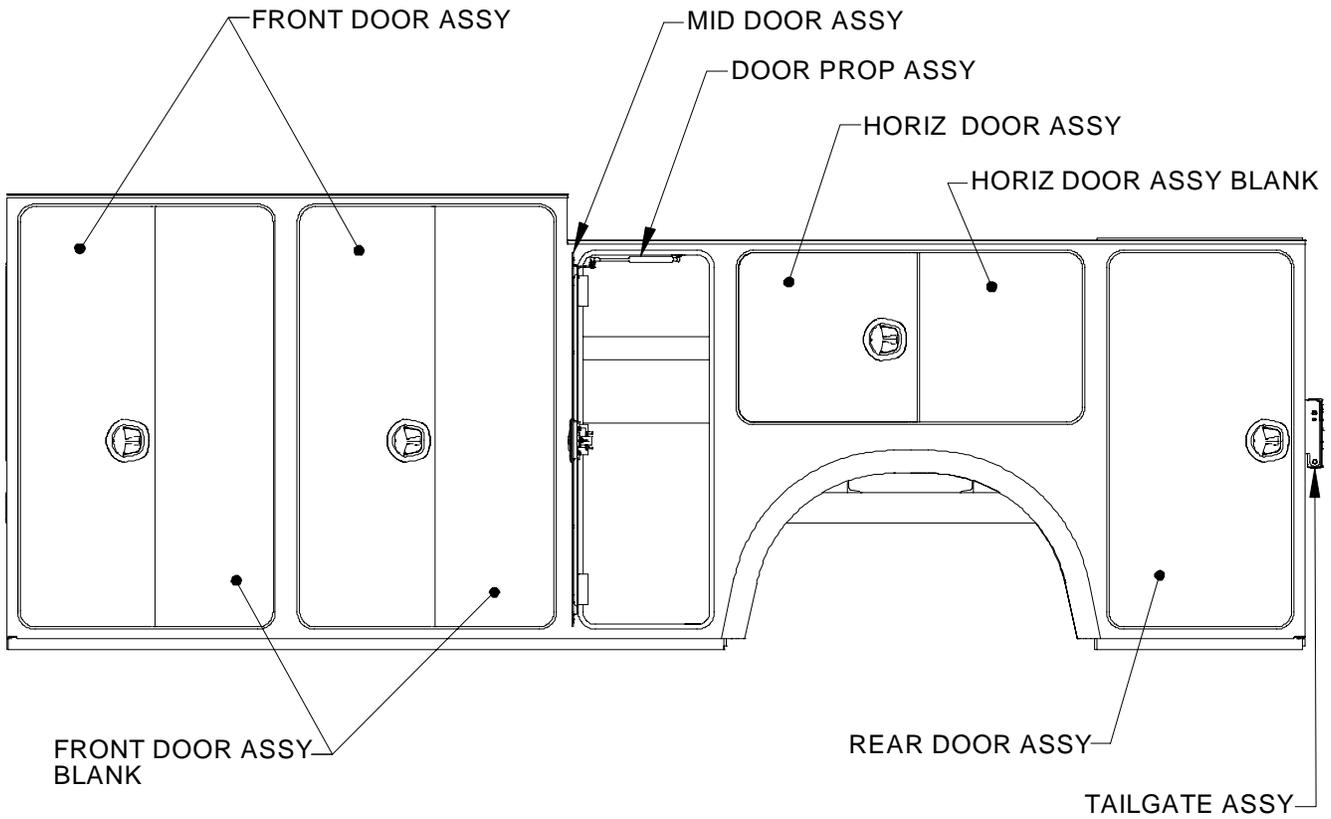
# ***NOTES***

# BODY CG INFORMATION TITAN 70



BODY CONFIGURATION	X	Y
TITAN 70/120CA	94 5/8	29 1/16

**BODY ASSEMBLY**  
**TITAN 70/120CA – P/N: 772000-XXX**

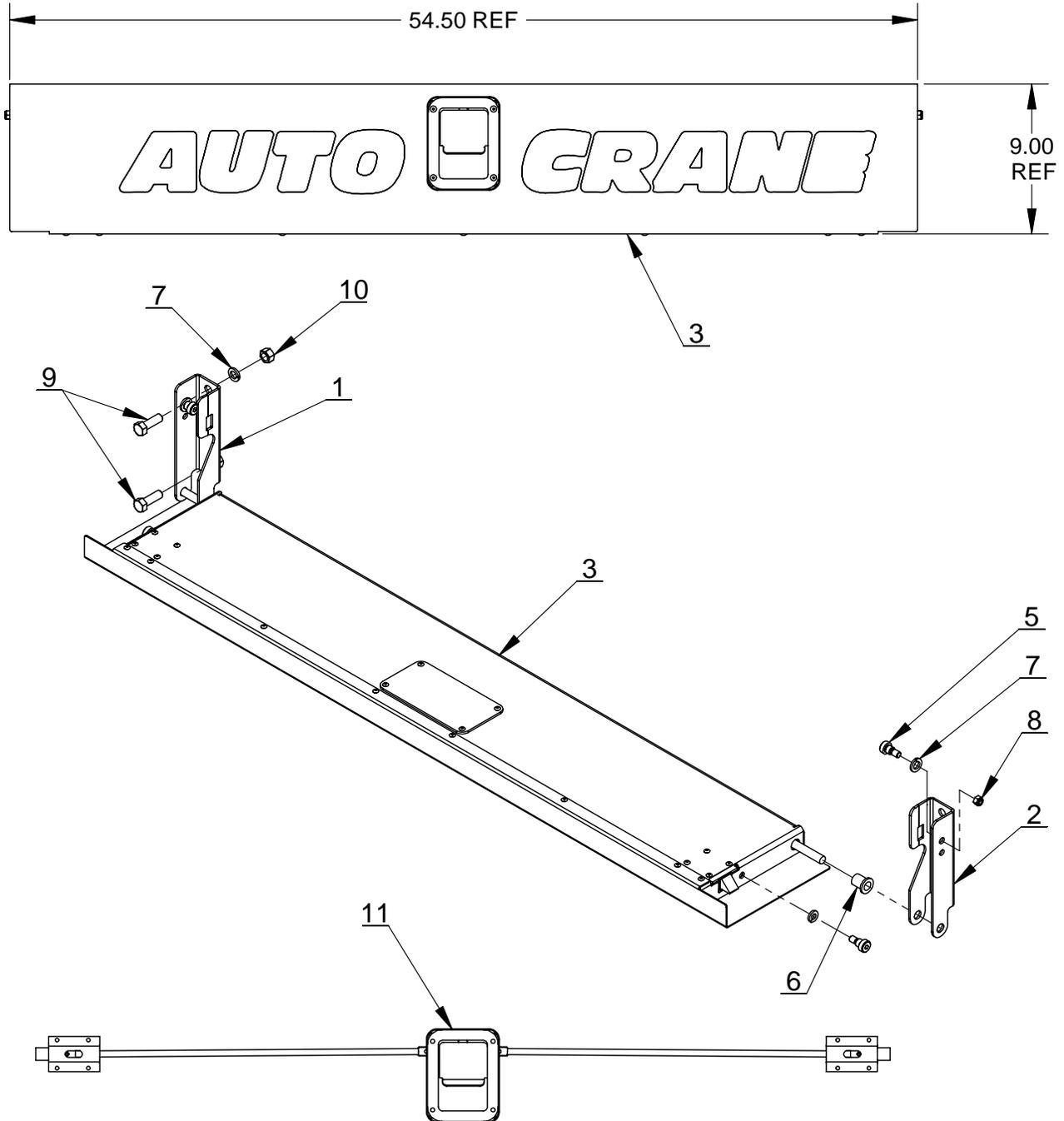


# BODY ASSEMBLY

## TITAN 70/120CA – P/N: 772000-XXX

BODY ASSEMBLY CHART		-000 TITAN 70/120CA DT CSC	-001 TITAN 70/120CA DT SSC
BODY WELD 70/120CA DT CSC	772001000	1	
BODY WELD 70/120CA DT SSC	772001001		1
DOOR MID W/LATCH STD CS	560020-035	1	1
DOOR MID W/LATCH STD SS	560020-036	1	1
DOOR HORIZ W/LATCH STD CS	560020-007	1	1
DOOR HORIZ W/LATCH STD SS	560020-008	1	1
DOOR HORIZ BLANK STD CS	560020-009	1	1
DOOR HORIZ BLANK STD SS	560020-010	1	1
DOOR REAR W/LATCH STD CS	560020-011	1	1
DOOR REAR W/LATCH STD SS	560020-012	1	1
DOOR ASSY FNT W/LATCH TALL CS	560020-013	2	2
DOOR ASSY FNT W/LATCH TALL SS	560020-014	2	2
DOOR ASSY FNT BLANK TALL CS	560020-015	2	2
DOOR ASSY FNT BLANK TALL SS	560020-016	2	2
TAILGATE ASSY	560080000	1	1
DOOR PROP ASSY	760535000	16	16
SHIP KIT	760529000	1	1

# TAILGATE ASSEMBLY TITAN SERIES – P/N: 560080000



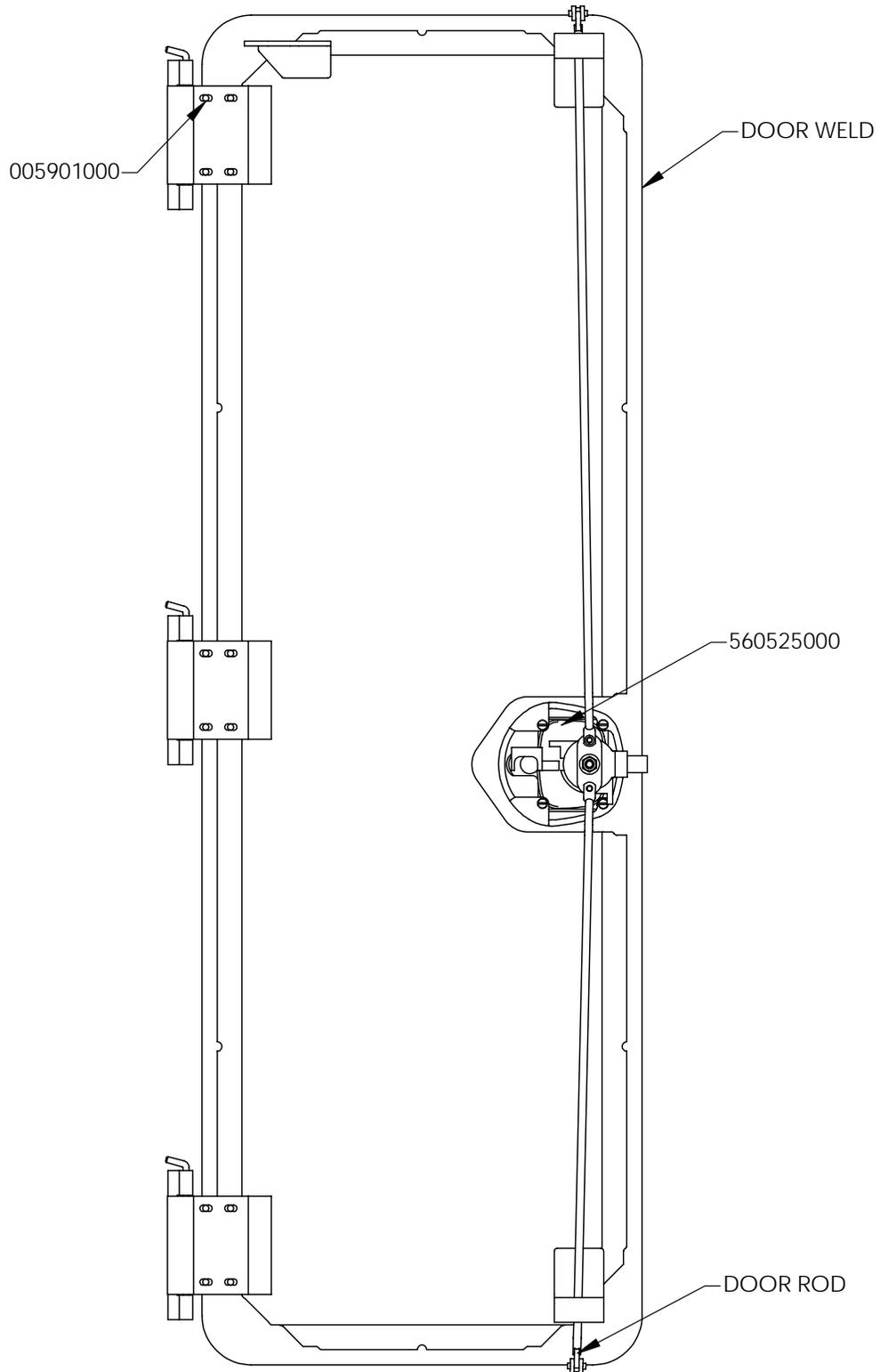
# **TAILGATE ASSEMBLY**

## **TITAN SERIES – P/N: 560080000**

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	560085000	TAILGATE MTG BRKT WDMT LH
2	1	560088000	TAILGATE MTG BRKT WDMT RH
3	1	560081000	TAILGATE SUB ASSY
**4	2	560090000	CABLE ASSY TAILGATE
5	2	560091000	SCREW SHOULDER 1/2 X 3/8-16UNC
6	2	736738000	TAILGATE BUSHING
7	4	021500000	WASHER SP LK 1/2
8	2	016801000	NUT HX NYLK 5/16-18UNC CP
9	2	010201000	SCREW HX HD 1/2-13UNC x 1 1/2 LG
10	2	017701000	NUT HX 1/2-13UNC
*11	1	560092000	LATCH ASSEMBLY TAILGATE
*	THIS ITEM IS A PART OF ITEM #3		
**	ITEM NOT SHOWN		

# DOOR ASSEMBLY

## TITAN SERIES – P/N: 560020-XXX

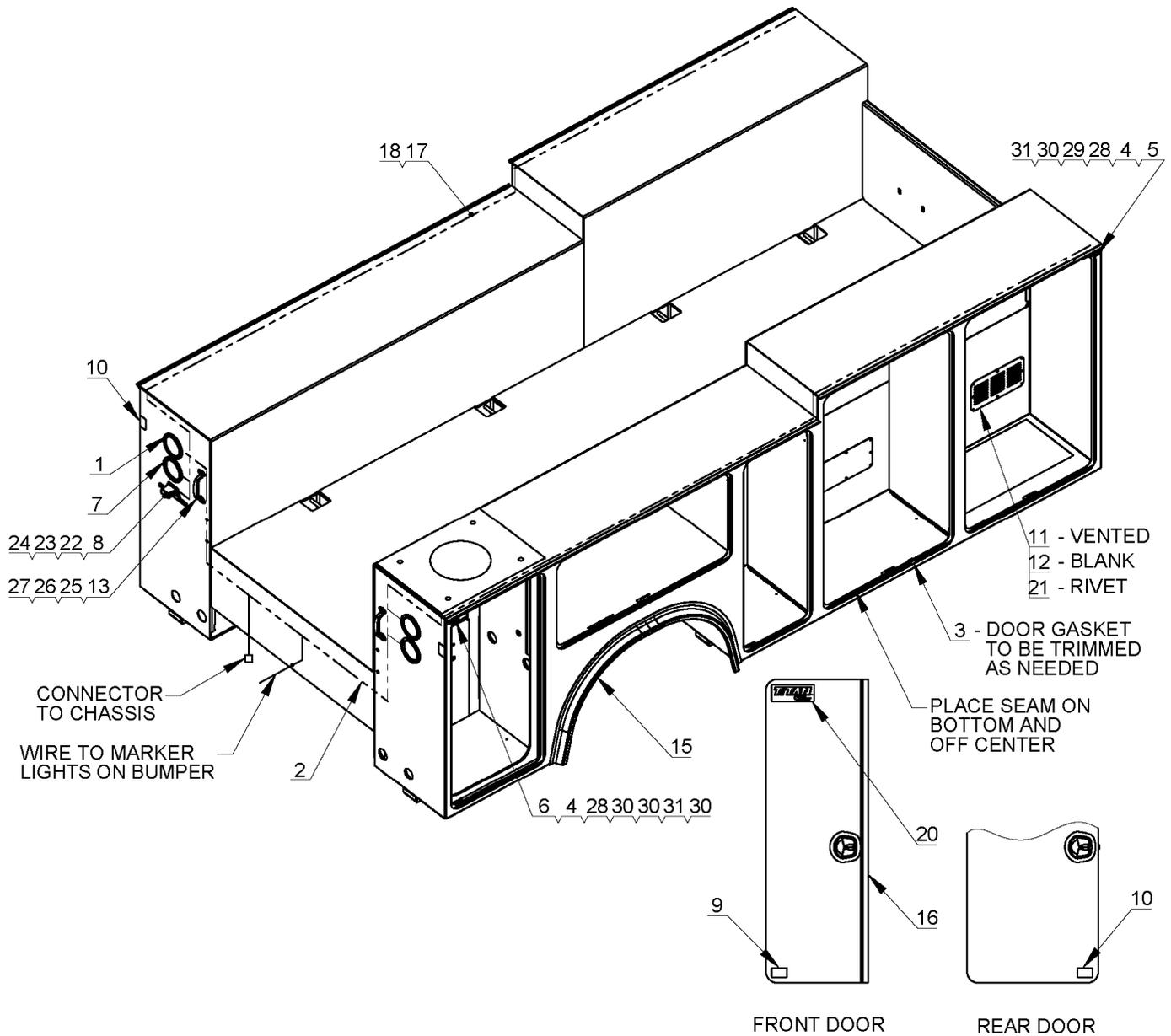


# DOOR ASSEMBLY

## TITAN SERIES – P/N: 560020-XXX

DOOR ASSEMBLY CHART		-007	-008	-009	-010	-011	-012	-013	-014	-015	-016	-035	-036
		DOOR HORIZ W/LATCH STD CS	DOOR HORIZ W/LATCH STD SS	DOOR HORIZ BLANK STD CS	DOOR HORIZ BLANK STD SS	DOOR REAR W/LATCH STD CS	DOOR REAR W/LATCH STD SS	DOOR ASSY FNT W/LATCH TALL CS	DOOR ASSY FNT W/LATCH TALL SS	DOOR ASSY FNT BLANK TALL CS	DOOR ASSY FNT BLANK TALL SS	DOOR ASSY MID 120CA	DOOR ASSY MID SS 120CA
DOOR WELD HORIZ CS	560132-007	1											
DOOR WELD HORIZ SS	560132-008		1										
DOOR WELD HORIZ BLANK CS	560132-009			1									
DOOR WELD HORIZ BLANK SS	560132-010				1								
DOOR WELD REAR CS	560132-011					1							
DOOR WELD REAR SS	560132-012						1						
DOOR WELD FRONT TALL CS	560132-013							1					
DOOR WELD FRONT TALL SS	560132-014								1				
DOOR WELD FRONT BLANK TALL CS	560132-015									1			
DOOR WELD FRONT BLANK TALL SS	560132-016										1		
DOOR WELD MID CS	560132-035											1	
DOOR WELD MID SS	560132-036												1
DOOR LATCH	560525000	1	1			1	1	1	1			1	1
DOOR ROD	560101000	1				2	2	1	1			2	2
DOOR ROD TALL	560102000							1	1				
DOOR ROD HORZ	560103000	1											
HINGE ASSY BODY	560115000	2	2	2	2	3	3	3	3	3	3	3	3
SCW HX 1/4-20UNC (HINGE)	560259000	8	8	8	8	12	12	12	12	12	12	12	12

# SHIP KIT TITAN SERIES – P/N: 760529000



**NOTES:**

1. P/N'S 750738000 AND 750737000 ARE TO BE USED TO SECURE WIRE HARNESS IN COMPARTMENT AREA.
2. P/N 560540000 INSTALLED IN LARGE HOLE AT CLEARANCE LIGHT AREA. APPLY P/N 750736000 WITH WIRING HARNESS TO GROMMET AT CLEARANCE LIGHT.

# SHIP KIT

## TITAN SERIES – P/N: 760529000

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	2	560104000	LIGHT, STOP/TURN LED
*2	1	560106000	HARNESS, BODY WIRING
3	2	560114000	GASKET, DOOR
4	4	560449000	BRACKET MOUNTING
5	2	560450000	CLEARANCE MARKER AMBER
6	2	560451000	CLEARANCE MARKER RED
7	2	759337000	LIGHT BACKUP
8	1	750980000	LAMP, LICENCE W/BRACKET
9	2	560452000	REFLECTOR AMBER
10	4	560453000	REFLECTOR RED
11	1	752221000	PANEL LOUVER
12	2	752222000	PANEL BLANK F/ MID VENT OPENING
13	2	750863000	HANDLE
*14	2	750732000	ROCK GUARD
15	1	752912000	FENDERETTE (TPO) INSTL KIT TITAN 50
16	260in	750740000	GASKET FL 1in X 1/8
17	12	750737000	TIE WRAP PUSH-IN
18	12	750738000	STICK-ON, CABLE TIE MOUNT
*19	32in	750736000	LOOM, CONVOLUTED, 7/16 ID
20	2	560510000	DECAL "TITAN"
21	20	754028000	RIVET POP 3/16 DIA X 1/4 - 3/8 GRIP SS
22	2	002609000	SCREW RD HD #10-32UNF X 5/8LG
23	2	019900000	WASHER FL #10
24	2	015800000	NUT HX NYLK #10-32UNF GR3 ZP
25	8	330389304	SCREW, FL HD 1/4-20UNC 3/4LG SS
26	8	020200000	WASHER SP LK 1/4
27	8	015900000	NUT HX 1/4-20UNC SS
28	8	000602000	SCREW PN HD #6-32UNC X 1LG
29	8	019600000	WASHER SP LK #6
30	8	015400000	NUT HX #6-32UNC
31	4	560540000	GROMMET, NYLON
*	ITEMS NOT SHOWN		

# **VEHICLE PREPARATIONS AND OUTRIGGER OPERATIONAL INSTRUCTIONS**

## **VEHICLE PREPARATION FOR OUTRIGGER AND CRANE OPERATION**

1. Park vehicle within crane operating distance from object that is to be lifted.  
Notes:
  - Make sure there are no obstructions preventing safe handling of load during crane operation.
  - Verify that no obstructions will prevent the full extension of the outrigger legs on both sides of vehicle.
  - Regardless of load to be lifted the outriggers should always be fully extended to keep vehicle stable.
  - Grade shall not exceed 1° of level. Level truck with blocks if grade exceeds 1° of level.
2. **ALWAYS** set the vehicle emergency brake before beginning crane operations.
3. Use wheel chocks on the front wheels of vehicle.

## **INSPECT OUTRIGGERS BEFORE USE**

1. Visually inspect outrigger before use making sure the outrigger is in good working order.
2. Replace or repair any worn or damaged parts before outrigger operation.
3. Check for and repair leaks on hydraulic units if they occur.

## **MANUAL OUTRIGGER OPERATION**

1. Un-hook the sling from around the outrigger leg.
2. Extend outrigger slide from stowed position by releasing pull pin and extending the outrigger slide fully.
3. Make sure the slide is fully extended and locked into position with pull pin.
4. Lower both outrigger legs until they contact the ground then extend another inch to insure good ground contact.  
Notes:
  - Use blocks under pads to increase surface area if required for stability on soft ground.
  - **DO NOT LIFT TRUCK WHEELS WITH OUTRIGGERS.** The outriggers are intended for vehicle stability during lifting operations not for complete vehicle support.

## **MANUAL OUTRIGGER STOWING PROCEDURE**

5. Fully retract vertical legs to stowed position.
6. Retract outrigger slide from extended position by releasing pull pin and pushing slide in fully.
7. Make sure the slide is fully retracted and locked into position with pull pin.
8. Make sure the sling is secured in place around the outrigger leg.

## **HYDRAULIC OUTRIGGER OPERATION**

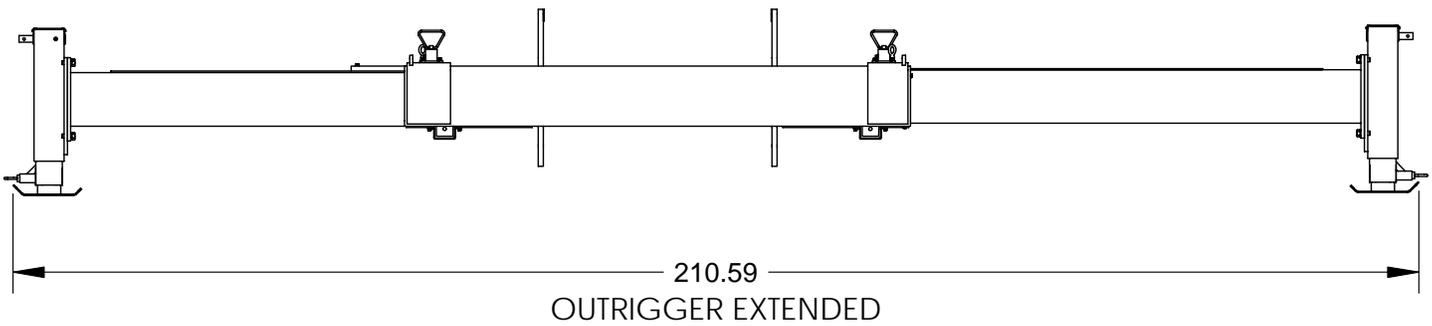
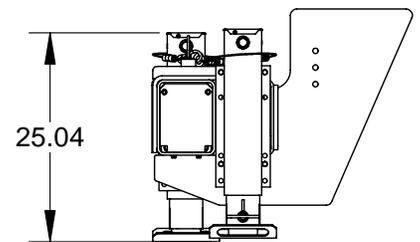
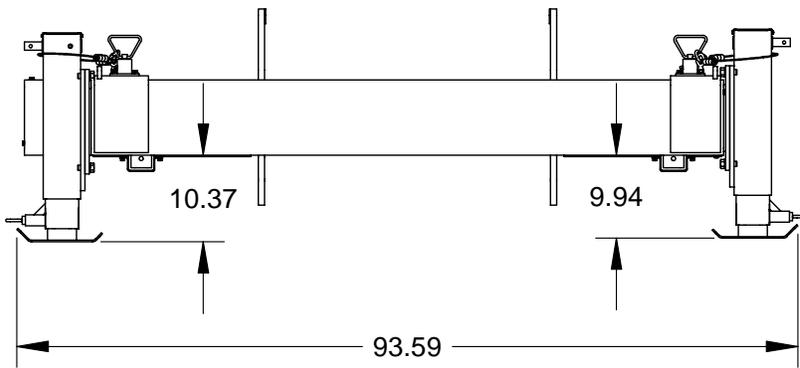
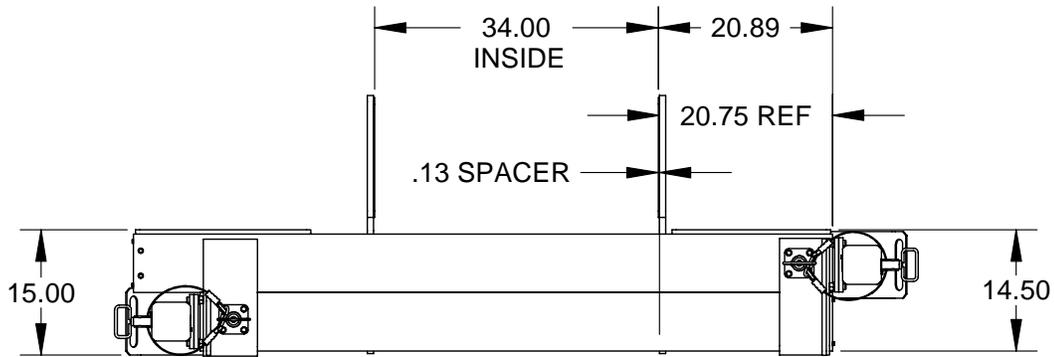
1. Divert hydraulic flow from control valve to outrigger operations.
2. Use the hydraulic control valve to extend outrigger slide from stowed position to the fully extended position.
3. Make sure the slide is fully extended.
4. Lower both outrigger legs until they contact the ground then extend another inch to insure good ground contact.  
Notes:
  - Use blocks under pads to increase surface area if required for stability on soft ground.
  - **DO NOT LIFT TRUCK WHEELS WITH OUTRIGGERS.** The outriggers are intended for vehicle stability during lifting operations not for complete vehicle support.

## **HYDRAULIC OUTRIGGER STOWING PROCEDURE**

5. Fully retract vertical legs to stowed position.
6. Retract outrigger slide from extended to the fully retracted.
7. Make sure the slide is fully retracted and in the stowed position.

# OUTRIGGER ASSY, FULLY MANUAL

## P/N: 760431000

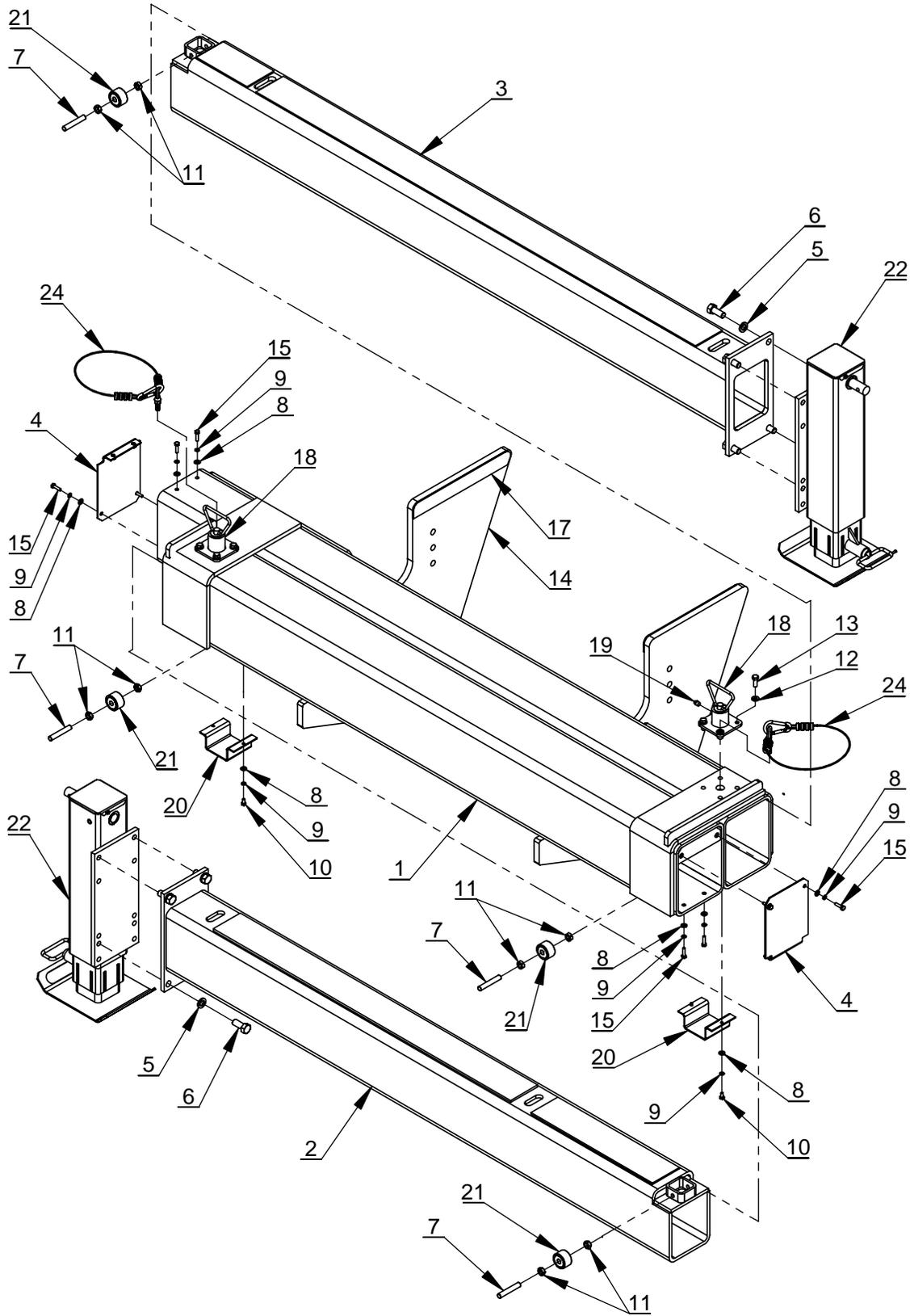


### GENERAL DIMENSIONS

UP/DOWN LEG  
 SCREW TRAVEL = 12.50  
 TOTAL TRAVEL = 22.50

# OUTRIGGER ASSY, FULLY MANUAL

P/N: 760431000

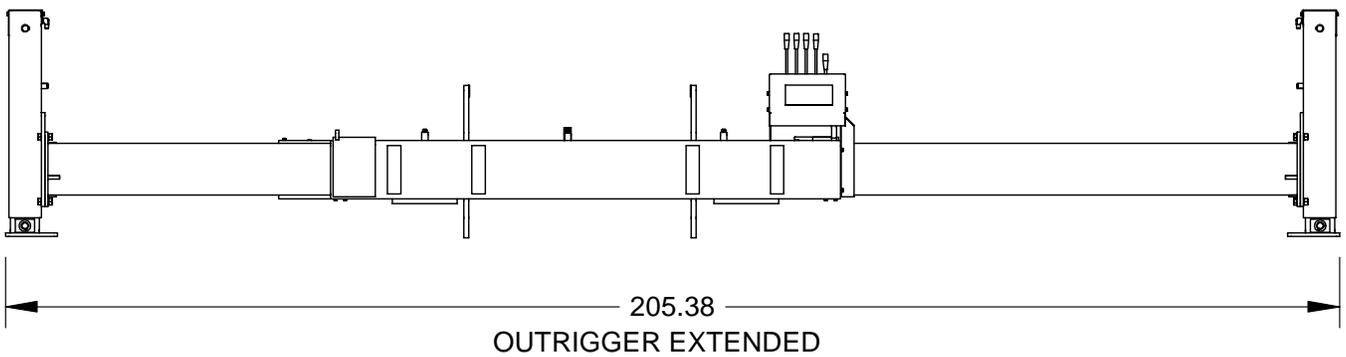
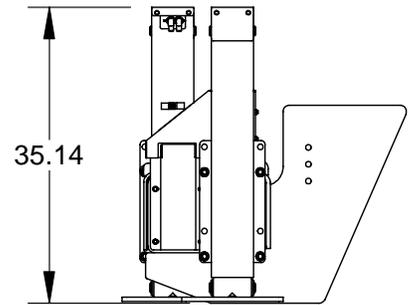
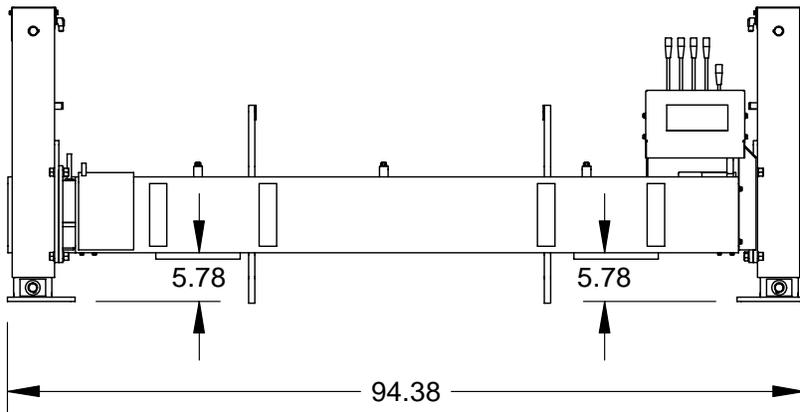
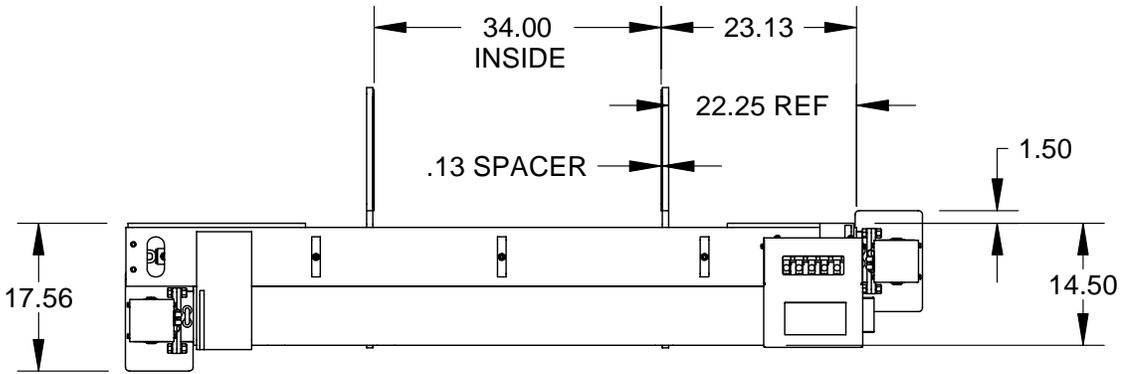


# OUTRIGGER ASSY, FULLY MANUAL

## P/N: 760431000

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	760384001	MAIN CROSS TUBE WDMT, MANUAL TITAN 60/70
2	1	760381001	SLIDE TUBE WELDMENT, SHORT
3	1	760380001	SLIDE TUBE WELDMENT, LONG
4	2	760284000	COVER ASSEMBLY, OUTRIGGER TUBE
5	8	023800000	WASHER SP LK 5/8
6	8	490172000	SCREW HX HD 5/8-11UNC X 1 1/2 LG
7	4	372218000	SCREW SET 1/2-13UNC X 3 LG
8	12	020400000	WASHER FL SAE 1/4
9	12	020200000	WASHER SP LK 1/4
10	4	005901000	SCREW HX HD 1/4-20UNC X 1/2 LG
11	8	372219000	NUT, HX JAM 1/2-13UNC
12	8	021100000	WASHER SP LK 3/8
13	6	008701000	SCW HX 3/8 UNC X 1 GR5
14	2	760288001	OUTRIGGER SUPPORT PLATE F/HITCH
15	8	005604000	SCREW HX HD 1/4-20UNC X 1 LG
*16	1	760245000	DECAL INSTALLATION, TITAN 60
17	2	750989000	SPACER OUTRIGGER SUPPORT
18	2	760390110	3/4 PULL PIN WELD W/ MTG BRACKET
19	2	239300000	ZERK, GREASE
20	2	372216000	COVER ROLLER
21	4	240234000	BEARING, NEEDLE
22	2	759950000	OUTRIGGER LEG, MANUAL, TITAN 50
*23	1	760290000	INSTALLATION DRAWING, TITAN 60 OUTRIGGER
24	2	772067000	SLING, OUTRIGGER
*	ITEMS NOT SHOWN		

# OUTRIGGER ASSY, FULLY HYDRAULIC CURB SIDE – P/N: 772020000

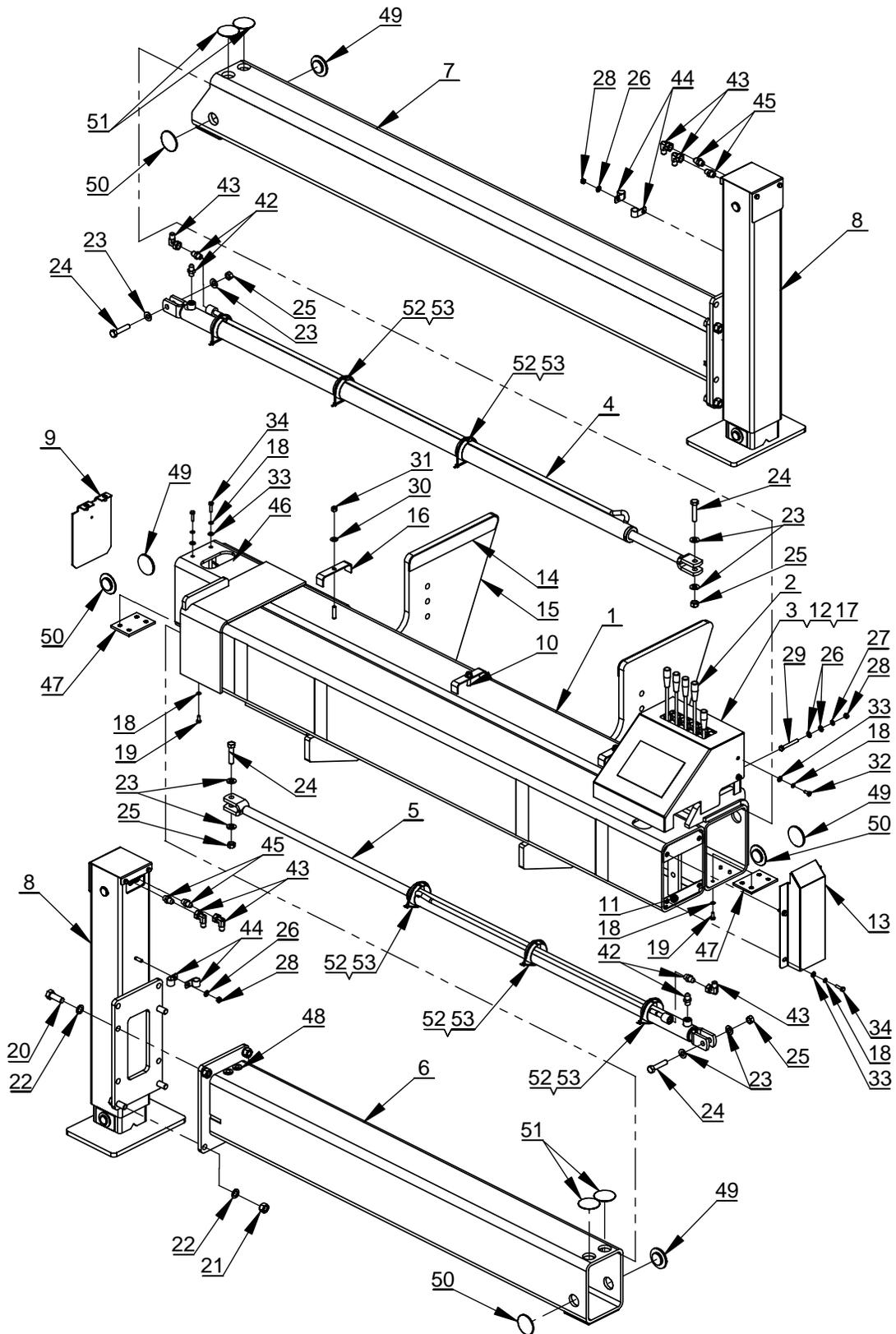


## GENERAL DIMENSIONS

EXTENSION CYLINDER STROKE  
CURB SIDE = 69.00  
STREET SIDE = 42.00

UP/DOWN LEG  
STROKE = 23.00

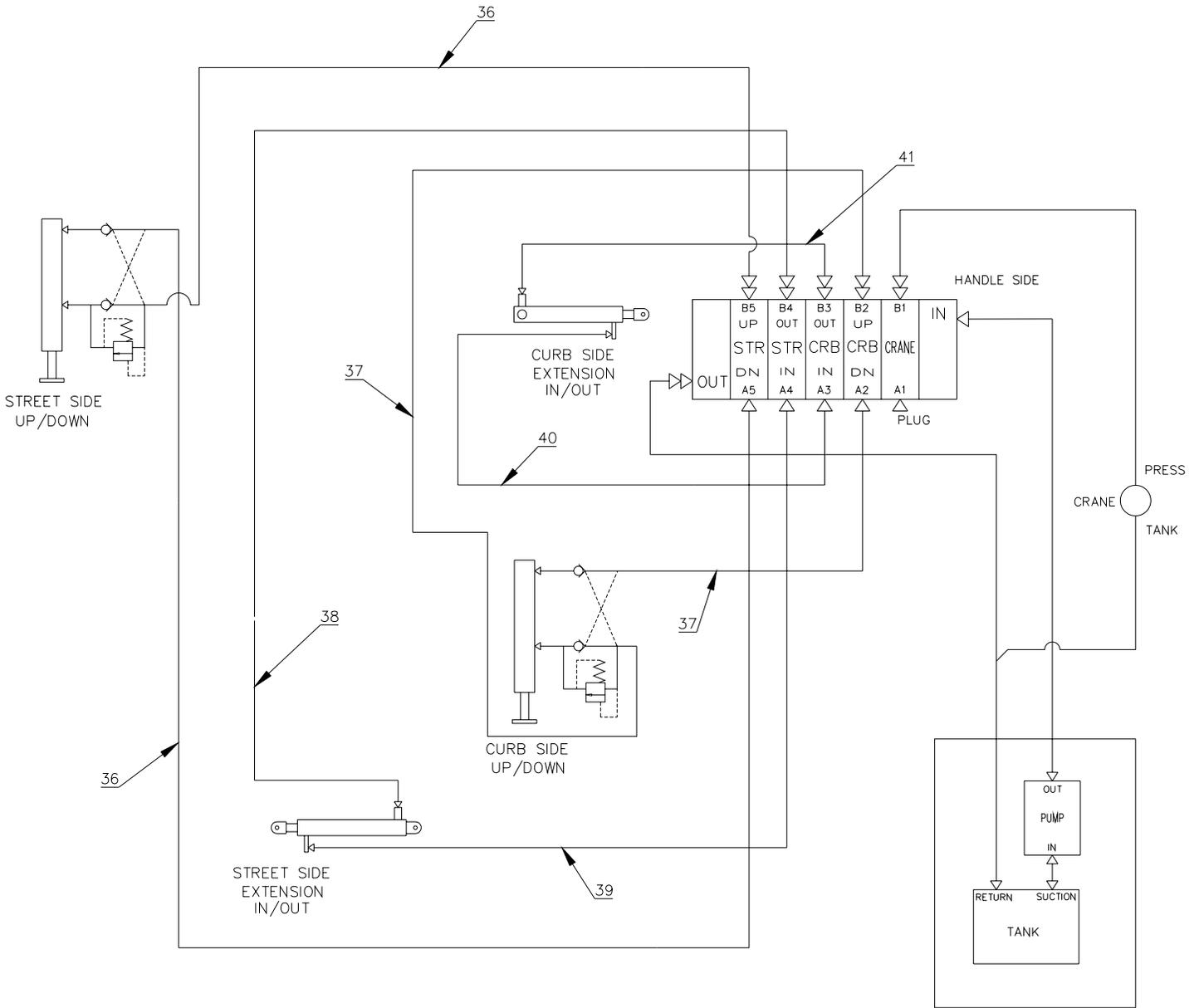
# OUTRIGGER ASSY, FULLY HYDRAULIC CURB SIDE – P/N: 772020000



5-6.0

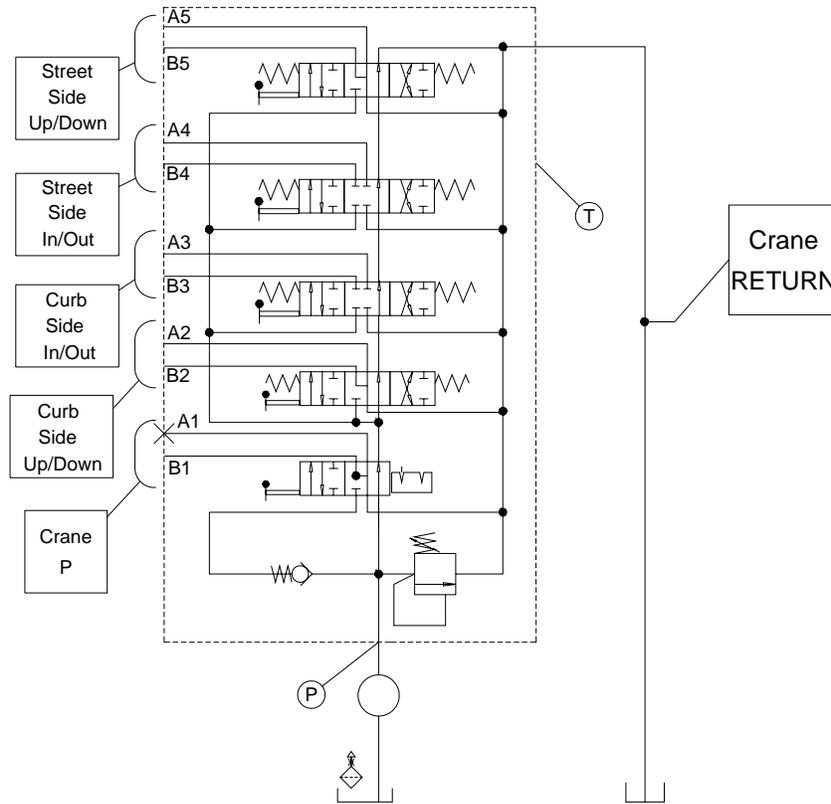
4/20/07

# OUTRIGGER ASSY, FULLY HYDRAULIC CURB SIDE – P/N: 772020000

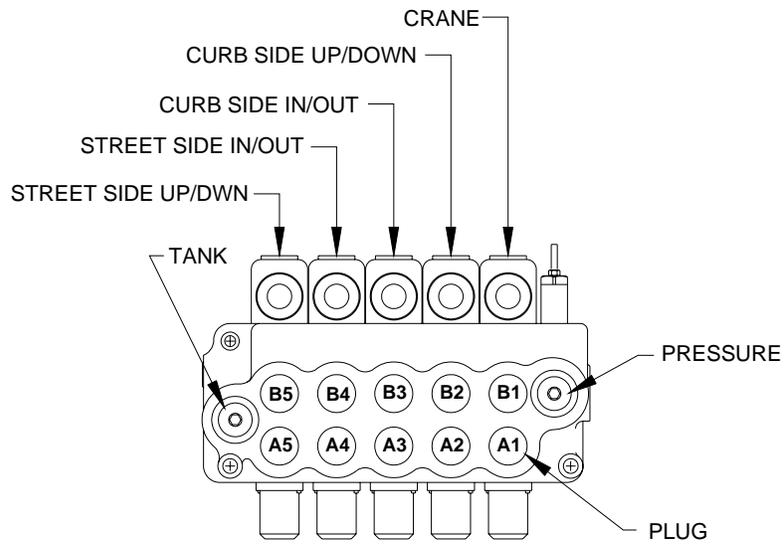


**HYDRAULIC DIAGRAM**

# OUTRIGGER ASSY, FULLY HYDRAULIC CURB SIDE – P/N: 772020000



**HYDRAULIC SCHEMATIC**



**DIRECTIONAL CONTROL VALVE (REAR VIEW)**

**NOTE:**  
A-PORT BOTTOM  
B-PORT HANDLE SIDE

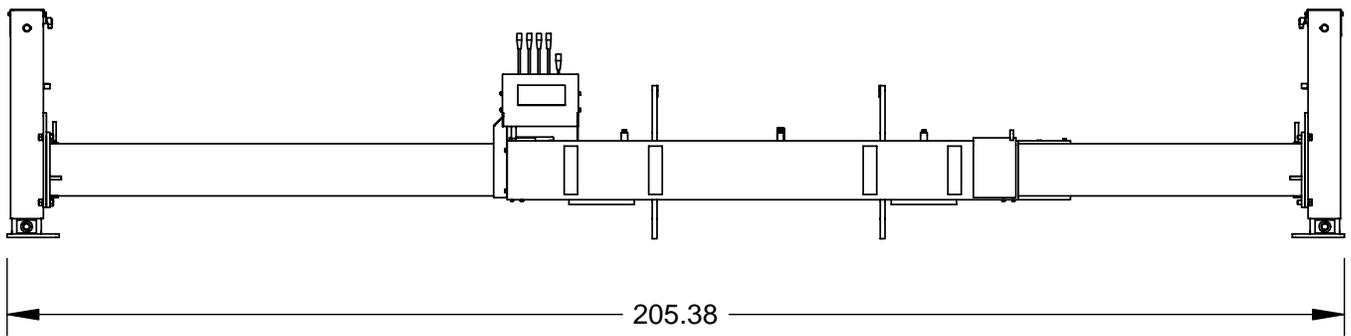
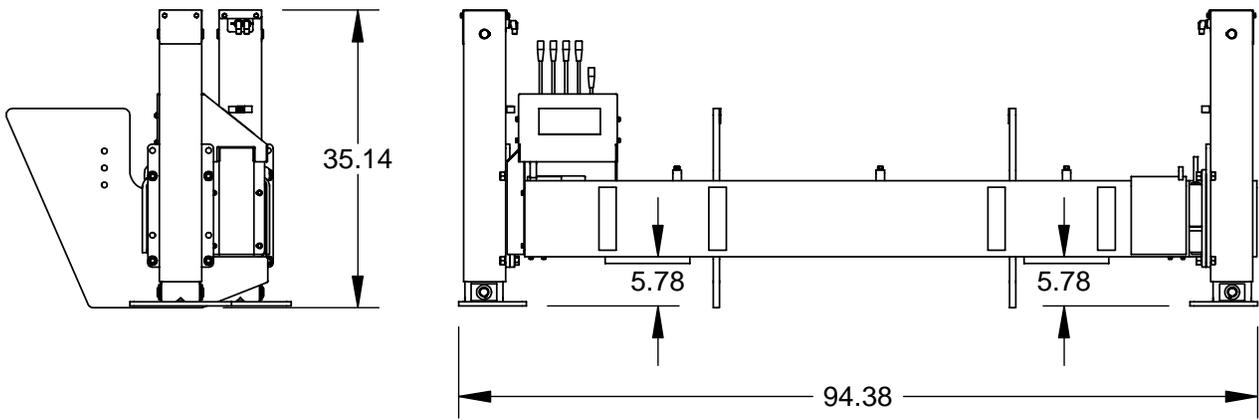
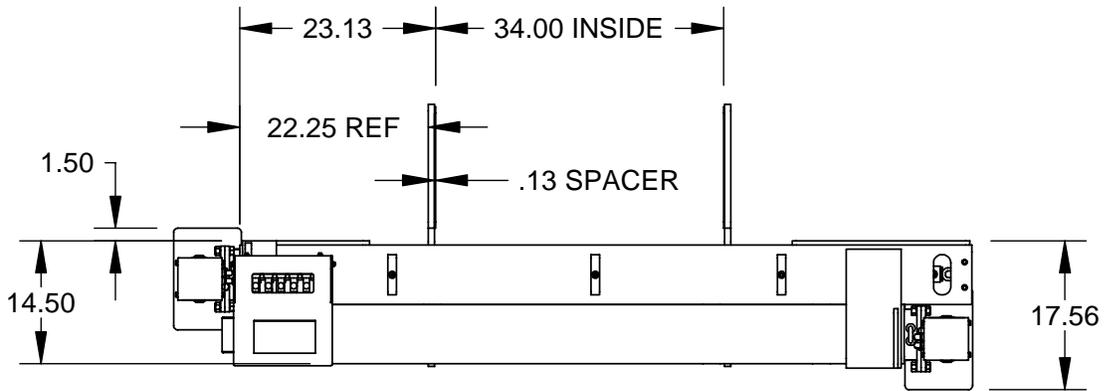
# OUTRIGGER ASSY, FULLY HYDRAULIC CURB SIDE – P/N: 772020000

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	772030000	MAIN CROSS TUBE WELDMENT, CS CRANE, TITAN 60/70
2	1	760260010	CONTO VALVE SUB-ASSY, 5 SECTION
3	1	760268000	VALVE COVER, TITAN 60
4	1	772023000	CYLINDER, 1.5 BORE, 69 IN STROKE
5	1	772024000	CYLINDER, 1.50 BORE X 42 STROKE X 1.00 ROD
6	1	772034000	SLIDE WELD SHORT, CSC, T60/70
7	1	772022000	SLIDE WELD, LONG, CSC, T60/70
8	2	772029000	VERTICAL LEG ASSY, TITAN 60/70
9	1	760417000	COVER ASSEMBLY, OUTRIGGER TUBE
10	18	374086000	NYLON HOSE SLEEVE
11	1	760248000	BRACKET ASSEMBLY, COVER
12	1	760282000	DECAL, OUTRIGGER, TITAN 60
13	1	760249000	COVER, HOSE
14	2	750989000	SPACER OUTRIGGER SUPPORT
15	2	760288001	OUTRIGGER SUPPORT PLATE F/HITCH
16	3	407216000	BOOM ASSEMBLY
17	4	736272000	NUTSERT 1/4-20UNC X .027-.165 GRIP
18	18	020200000	WASHER SP LK 1/4
19	8	005102000	SCREW HX HD 1/4-20UNF X 5/8 LG
20	8	012198000	SCREW HX HD 5/8-11UNC X 1 3/4 LG GR8
21	8	407315000	NUT HX 5/8 NC CP GR8
22	16	023902000	WASHER FL 5/8 HARDENED
23	8	021600000	WASHER FL 1/2
24	4	011511000	SCREW HX HD 1/2-20UNF X 2 1/4 LG GR5
25	4	017701000	NUT HX 1/2-13UNC
26	9	020901000	WASHER FL 5/16
27	3	020601000	WASHER SP LK 5/16
28	5	016500000	NUT HX 5/16-18UNC
29	3	811029000	SCREW HX HD 5/16-18UNC X 2 1/2 LG
30	3	021200000	WASHER FL 3/8
31	3	017301000	NUT HX NYLK 3/8-16UNC CP
32	4	005401000	SCREW HX HD 1/4-20UNC X 5/8 LG CP
33	10	020400000	WASHER FL SAE 1/4
34	6	005604000	SCREW HX HD 1/4-20UNC X 1 LG
35	1	772035000	HYDRAULIC KIT TITAN 60/70, CSC
*36	2	814026180	HOSE ASSY, R7, -6JICF/-6JICF X -4 HOSE, 302"L
*37	2	814026292	HOSE ASSY, R7, -6JICF/-6JICF X -4 HOSE, 302"L
*38	1	812026019	HOSE ASSY, -6JICF/-6JICF, -4 HOSE
*39	1	812026020	HOSE ASSY -6 JICF/-6 JICF X -4 HOSE
*40	1	812026087	HOSE ASSY, -6JIC/-6JICF x -4 HOSE
*41	1	812026089	HOSE ASSY, -6JICF/-6JICF x -4 HOSE
*42	4	760203000	FITTING, STR, -6 SAE/6 JIC RESTRICTED

# **OUTRIGGER ASSY, FULLY HYDRAULIC CURB SIDE – P/N: 772020000**

<b>ITEM NO.</b>	<b>QTY.</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
*43	6	480194000	FITTING 6 SWIVEL NUT ELBOW
*44	4	480024000	MOUNT PENDANT CABLE RETAINER
*45	4	200876000	FITTING 6 SAE/6 JIC STRAIGHT
46	26	760229000	TRIM EDGE, 5/16
47	2	772033000	PAD, 4.25 X 3.0 X .25, 1/4-28 NUTS
48	4	772027000	GROMMET, RUBBER, 1/2" ID, 1/2" THK PLATE
49	4	407202000	PAD BOOM 2.50 O.D.
50	4	560356000	PAD BOOM 2.50 OD x .125
51	4	470048000	PAD, BOOM 2.50 O.D. X 0.063 THICK
52	8	772042000	RUBBER STRIP, 1 X 8 X .06
53	12	772043000	ZIP TIE STRAP, 12 IN, NYLON, BLACK
**54	7	772046006	SPIRAL HOSE WRAP, 1/2", 6" LONG
*	ITEM PART OF ITEM #35		
**	ITEM NOT SHOWN		

# OUTRIGGER ASSY, FULLY HYDRAULIC STREET SIDE – P/N: 772021000

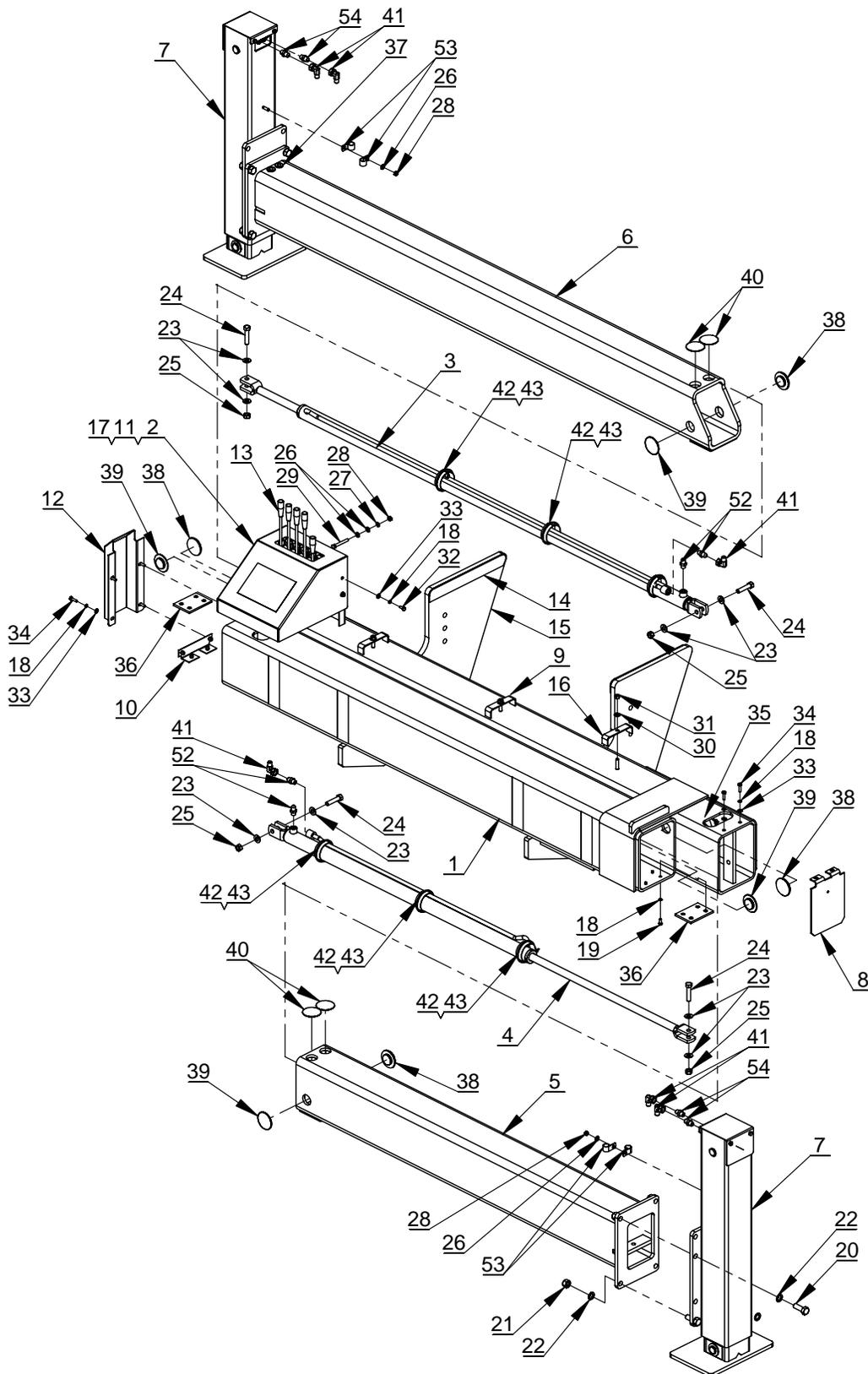


## GENERAL DIMENSIONS

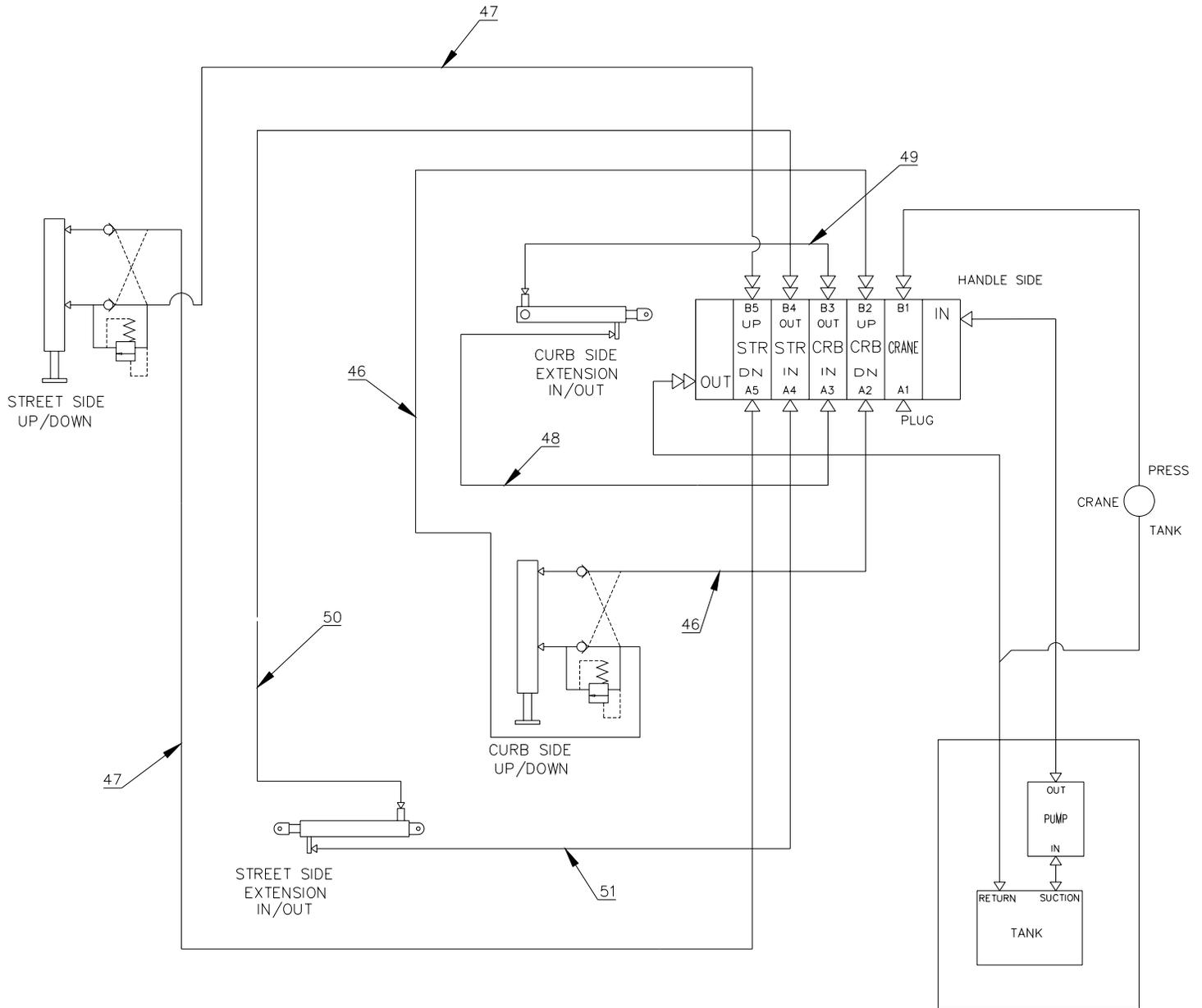
EXTENSION CYLINDER STROKE  
CURB SIDE = 69.00  
STREET SIDE = 42.00

UP/DOWN LEG  
STROKE = 23.00

# OUTRIGGER ASSY, FULLY HYDRAULIC STREET SIDE – P/N: 772021000

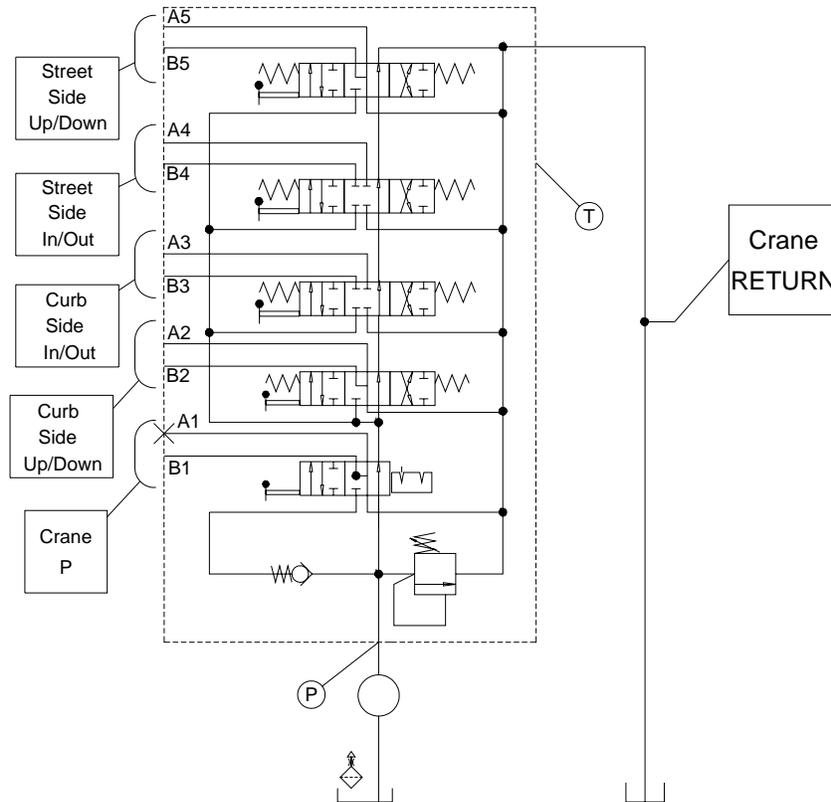


# OUTRIGGER ASSY, FULLY HYDRAULIC STREET SIDE – P/N: 772021000

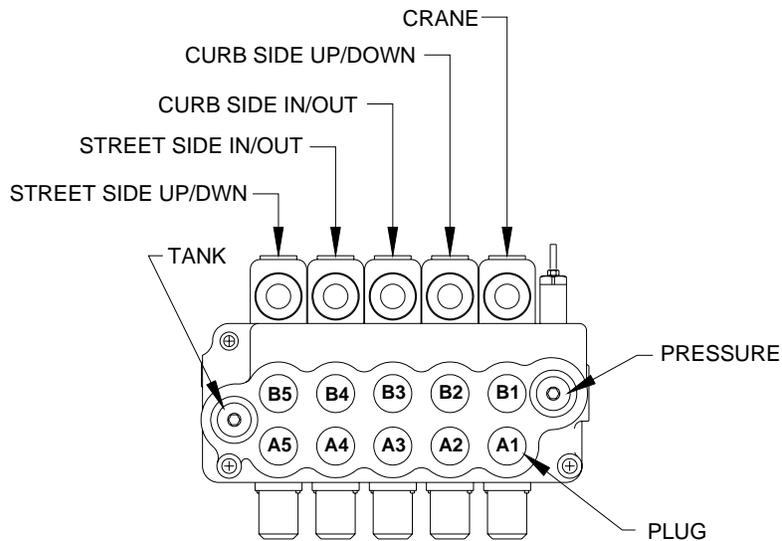


**HYDRAULIC DIAGRAM**

# OUTRIGGER ASSY, FULLY HYDRAULIC STREET SIDE – P/N: 772021000



**HYDRAULIC SCHEMATIC**



**DIRECTIONAL CONTROL VALVE (REAR VIEW)**

**NOTE:**  
A-PORT BOTTOM  
B-PORT HANDLE SIDE

# OUTRIGGER ASSY, FULLY HYDRAULIC STREET SIDE – P/N: 772021000

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	772065000	MAIN CROSS TUBE WELDMENT, TITAN 60/70, SSC
2	1	760223000	VALVE COVER, SSC TITAN 60
3	1	772023000	CYLINDER, 1.5 BORE, 69 IN STROKE
4	1	772024000	CYLINDER, 1.50 BORE X 42 STROKE X 1.00 ROD
5	1	772045000	SLIDE WELD, SHORT, SSC, T60/70
6	1	772044000	SLIDE WELD, LONG, SSC, T60/70
7	2	772029000	VERTICAL LEG ASSY, TITAN 60/70
8	1	760417000	COVER ASSEMBLY, OUTRIGGER TUBE
9	18	374086000	NYLON HOSE SLEEVE
10	1	760248000	BRACKET ASSEMBLY, COVER
11	1	760282000	DECAL, OUTRIGGER, TITAN 60
12	1	760249000	COVER, HOSE
13	1	760260010	CONTOL VALVE SUB-ASSY, 5 SECTION
14	2	750989000	SPACER OUTRIGGER SUPPORT
15	2	760288001	OUTRIGGER SUPPORT PLATE F/HITCH
16	3	407216000	BOOM ASSEMBLY
17	4	736272000	NUTSERT 1/4-20UNC X .027-.165 GRIP
18	18	020200000	WASHER SP LK 1/4
19	8	005102000	SCREW HX HD 1/4-20UNF X 5/8 LG
20	8	012198000	SCREW HX HD 5/8-11UNC X 1 3/4 LG GR8
21	8	407315000	NUT HX 5/8 NC CP GR8
22	16	023902000	WASHER FL 5/8 HARDENED
23	8	021600000	WASHER FL 1/2
24	4	011511000	SCREW HX HD 1/2-20UNF X 2 1/4 LG GR5
25	4	017701000	NUT HX 1/2-13UNC
26	9	020901000	WASHER FL 5/16
27	3	020601000	WASHER SP LK 5/16
28	5	016500000	NUT HX 5/16-18UNC
29	3	811029000	SCREW HX HD 5/16-18UNC X 2 1/2 LG
30	3	021200000	WASHER FL 3/8
31	3	017301000	NUT HX NYLK 3/8-16UNC CP
32	4	005401000	SCREW HX HD 1/4-20UNC X 5/8 LG CP
33	10	020400000	WASHER FL SAE 1/4
34	6	005604000	SCREW HX HD 1/4-20UNC X 1 LG
35	26	760229000	TRIM EDGE, 5/16
36	2	772033000	PAD, 4.25 X 3.0 X .25, 1/4-28 NUTS
37	4	772027000	GROMMET, RUBBER, 1/2" ID, 1/2" THICK PLATE
38	4	407202000	PAD BOOM 2.50 O.D.
39	4	560356000	PAD BOOM 2.50 OD x .125
40	4	470048000	PAD, BOOM 2.50 O.D. X 0.063 THICK
*41	6	480194000	FITTING 6 SWIVEL NUT ELBOW
42	8	772042000	RUBBER STRIP, 1 X 8 X .06

# **OUTRIGGER ASSY, FULLY HYDRAULIC STREET SIDE – P/N: 772021000**

ITEM NO.	QTY.	PART NO.	DESCRIPTION
43	12	772043000	ZIP TIE STRAP, 12 IN, NYLON, BLACK
**44	7	772046006	SPIRAL HOSE WRAP, 1/2", 6" LONG
45	1	772035000	HYDRAULIC KIT TITAN 60/70, CSC
*46	2	814026180	HOSE ASSY, R7, -6JICF/-6JICF X -4 HOSE, 302"L
*47	2	814026292	HOSE ASSY, R7, -6JICF/-6JICF X -4 HOSE, 302"L
*48	1	812026019	HOSE ASSY, -6JICF/-6JICF, -4 HOSE
*49	1	812026020	HOSE ASSY -6 JICF/-6 JICF X -4 HOSE
*50	1	812026087	HOSE ASSY, -6JIC/-6JICF x -4 HOSE
*51	1	812026089	HOSE ASSY, -6JICF/-6JICF x -4 HOSE
*52	4	760203000	FITTING, STR, -6 SAE/6 JIC RESTRICTED
*53	4	480024000	MOUNT PENDANT CABLE RETAINER
*54	4	200876000	FITTING 6 SAE/6 JIC STRAIGHT
*	ITEM PART OF ITEM #45		
**	ITEM NOT SHOWN		

# **OUTRIGGER HYDRAULIC RELIEF VALVE SETTING INSTRUCTIONS - TITAN SERIES**

## **Hydraulic powered outrigger control valves provided by Auto Crane**

Auto Crane hydraulic powered outriggers utilize a control valve which contain an integral hydraulic relief valve that is preset at the factory. This preset is NOT the final setting and must be adjusted to account for hydraulic system backpressure once the installation is complete. The adjustment is straight forward and requires basic hand tools, thermometer or means to measure hydraulic oil temperature, and a hydraulic pressure gauge with a minimum rating of 5,000 psi and hydraulic fittings necessary to install the gauge in-line with the incoming pressure line to the outrigger control valve body.

Follow the procedure below to make the final adjustments to this relief valve.

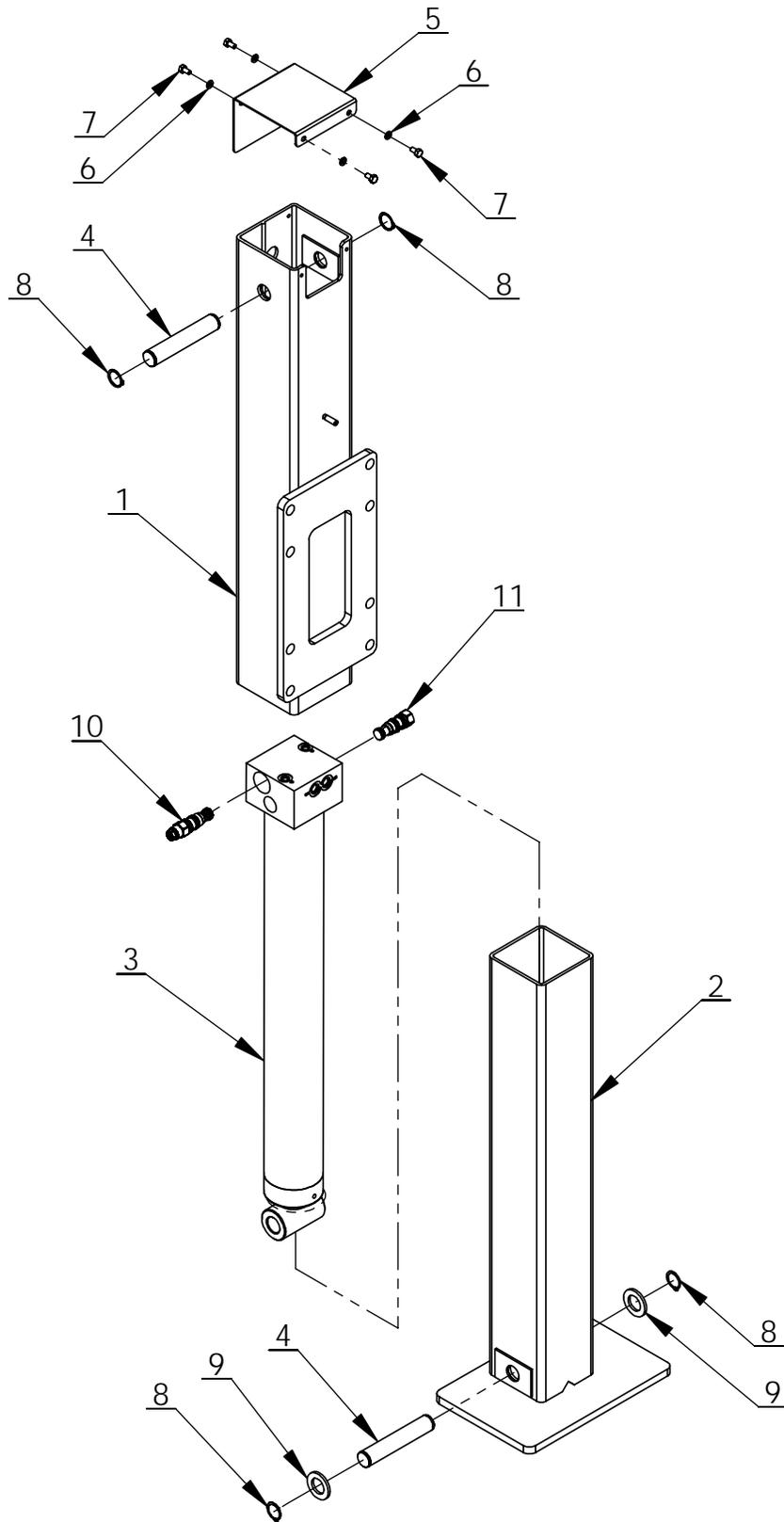
1. The outrigger hydraulic relief valve contains should be adjusted 200 psi above the crane hydraulic relief valve. Please consult the appropriate owner's manual for this setting or contact the crane manufacturer for this value.

## **WARNING!**

**Under no circumstances should this relief valve setting exceed any of the hydraulic system components ratings or limitations as component damage or personal injury may result.**

2. Install the hydraulic pressure gauge in-line with the incoming pressure line to the outrigger control valve body.
3. With all personnel clear of the vehicle, start the engine and engage the vehicle PTO. Let the hydraulic oil warm until it reaches 100F.
4. While watching the hydraulic pressure gauge, activate a hydraulic outrigger function to deadhead the hydraulic system. Read the gauge value quickly and do not hold the function in the deadhead position.
5. Using the hand tools, back off the lock nut on the hydraulic relief valve and make small rotation adjustments (1/2 turn) to the relief valve stem.
6. Repeat the Step 4 to check if this adjustment meets the system requirements. If not, then repeat Step 5 and Step 4 until correct.
7. Tighten the lock nut on the hydraulic relief valve.
8. Remove the hydraulic pressure gauge and fittings and re-attach the pressure supply line to the hydraulic valve body.

# OUTRIGGER HYDRAULIC LEG ASSEMBLY TITAN SERIES – P/N: 772029000



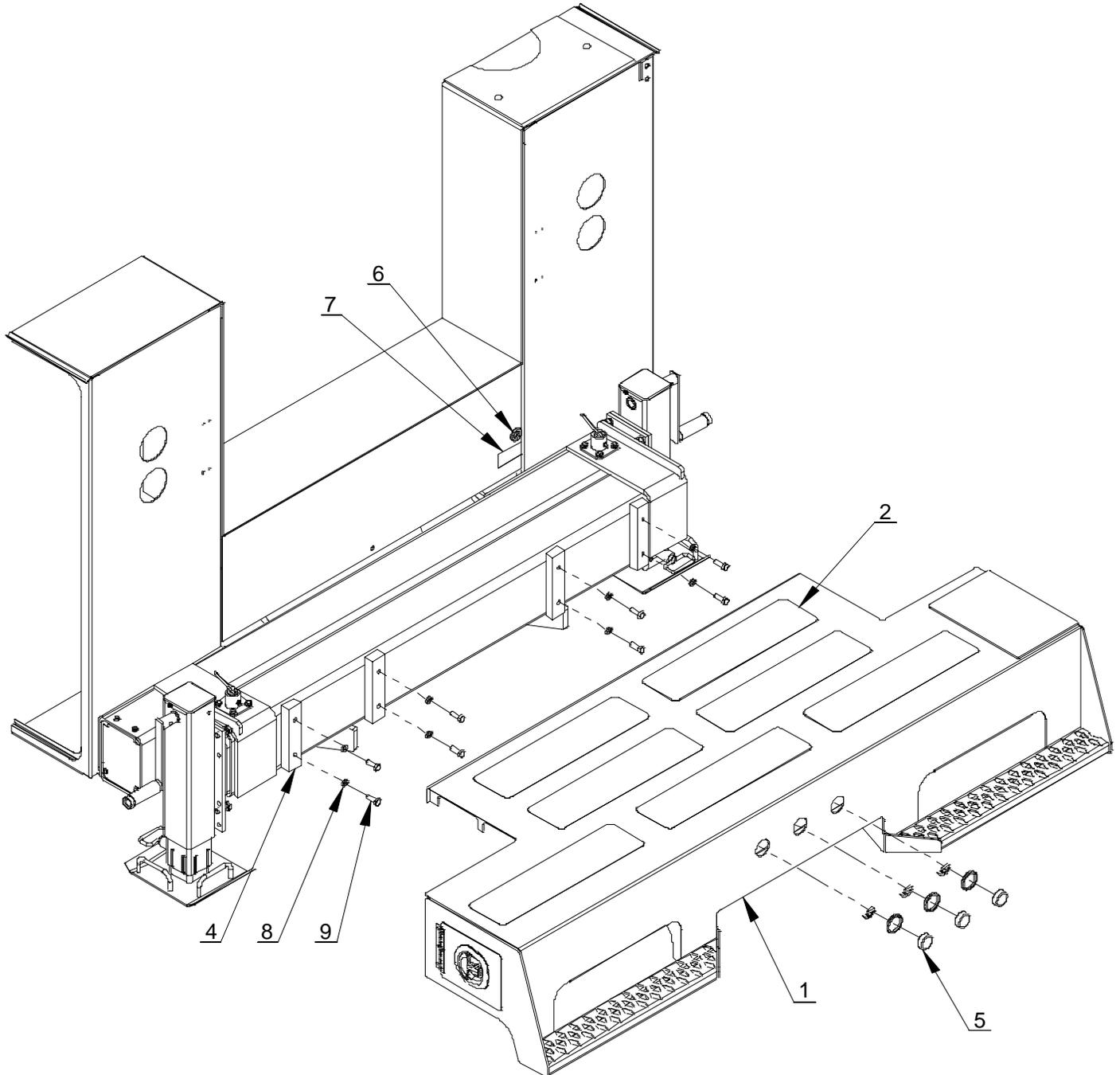
5-18.0

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# **OUTRIGGER HYDRAULIC LEG ASSEMBLY TITAN SERIES – P/N: 772029000**

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	772038000	LEG WELDMENT, UPPER
2	1	560150001	LOWER OUTRIGGER WELD
3	1	560550000	CYLINDER, 3.00 BORE X 23.00 STROKE X 2.50 ROD
4	2	560367000	PIN 1 DIA X 5.438 LG
5	1	560156001	COVER OUTRIGGER
6	4	020200000	WASHER SP LK 1/4
7	4	005901000	SCREW HX HD 1/4-20UNC X 1/2 LG
8	4	738734000	RING RETAINING 5100-100
9	2	560562000	WASHER, FL 1.03ID x 1.75OD x .156 THK ZINC
*10	1	480188000	COUNTERBALANCE VALVE
*11	1	480231001	COUNTERBALANCE VALVE
*	ITEM PART OF ITEM #3		

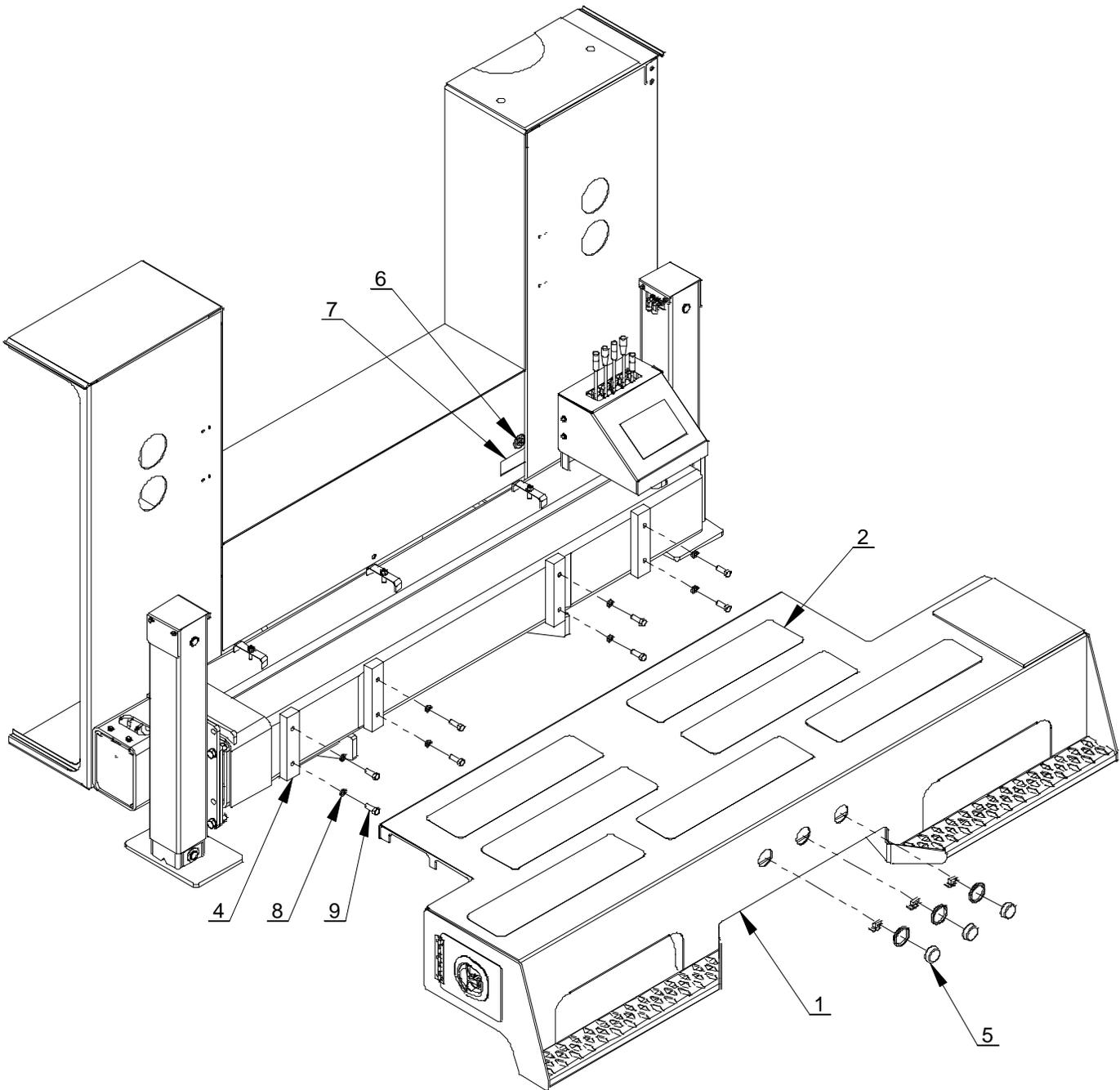
# BUMPER ASSEMBLY 30", MANUAL TITAN 60/70 – P/N: 772080000



**BUMPER ASSEMBLY 30", MANUAL  
TITAN 60/70 – P/N: 772080000**

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	772081000	BUMPER WELDMENT, MANUAL
2	7	766141000	DECAL, SAFETY SURFACE
3	1	560245002	KIT, SHIP BUMPER
*4	4	750913000	BUMPER ADAPTER
*5	3	560105000	LIGHT MARKER LED 2"
*6	1	750282000	GROMMET 1 3/8 OD
*7	12"	752269000	TRIM EDGE
*8	8	021500000	WASHER SP LK 1/2
*9	8	010201000	SCREW HX HD 1/2-13UNC x 1 1/2 LG
*	ITEM PART OF ITEM #3		

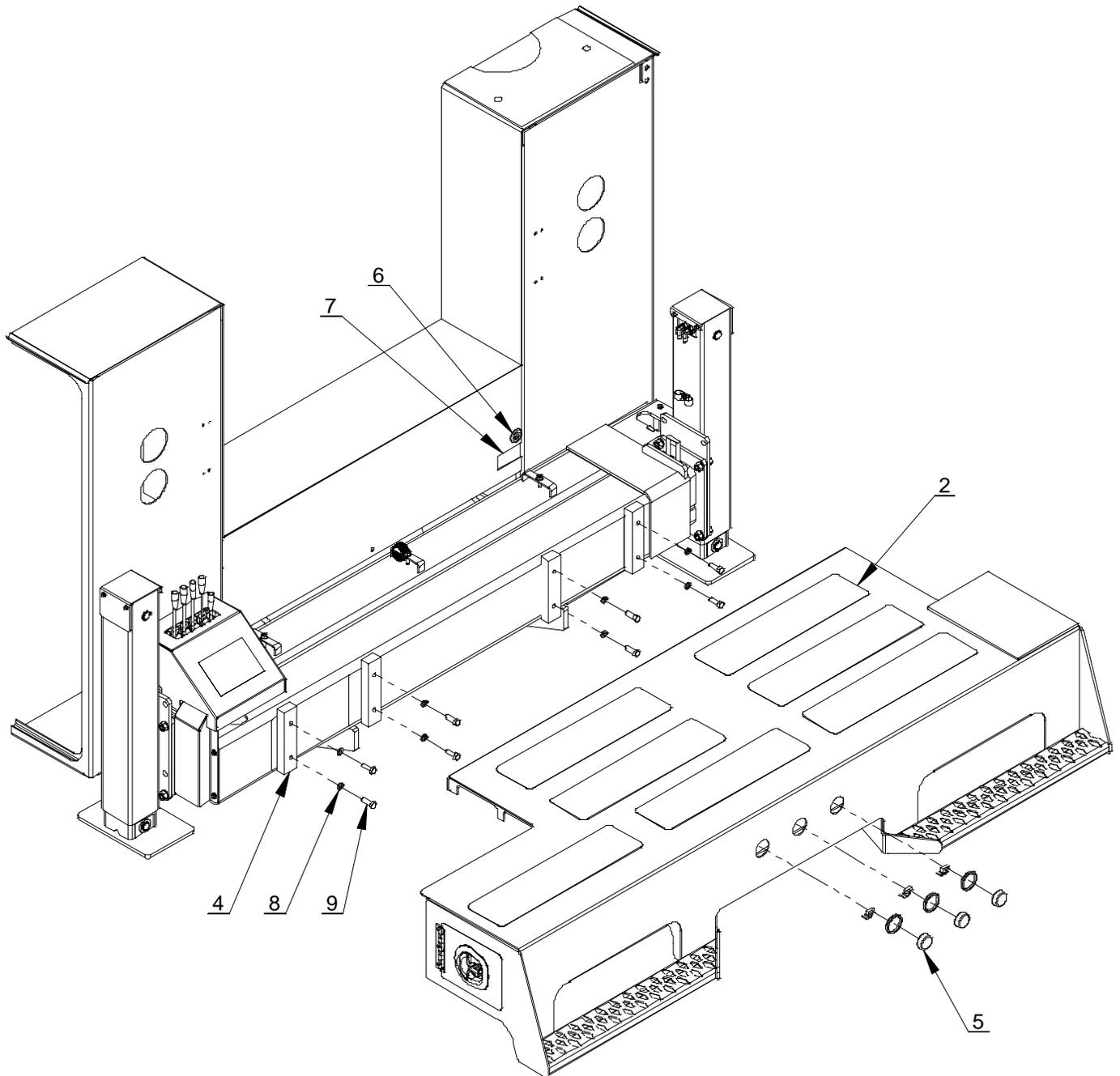
**BUMPER ASSEMBLY 30", CURB SIDE**  
**TITAN 60/70 – P/N: 772059000**



**BUMPER ASSEMBLY 30", CURB SIDE  
TITAN 60/70 – P/N: 772059000**

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	772060000	BUMPER WELDMENT, CSC
2	7	766141000	DECAL, SAFETY SURFACE
3	1	560245001	KIT, SHIP BUMPER
*4	4	750913000	BUMPER ADAPTER
*5	3	560105000	LIGHT MARKER LED 2"
*6	1	750282000	GROMMET 1 3/8 OD
*7	12"	752269000	TRIM EDGE
*8	8	021500000	WASHER SP LK 1/2
*9	8	010201000	SCREW HX HD 1/2-13UNC x 1 1/2 LG
*	ITEM PART OF ITEM #3		

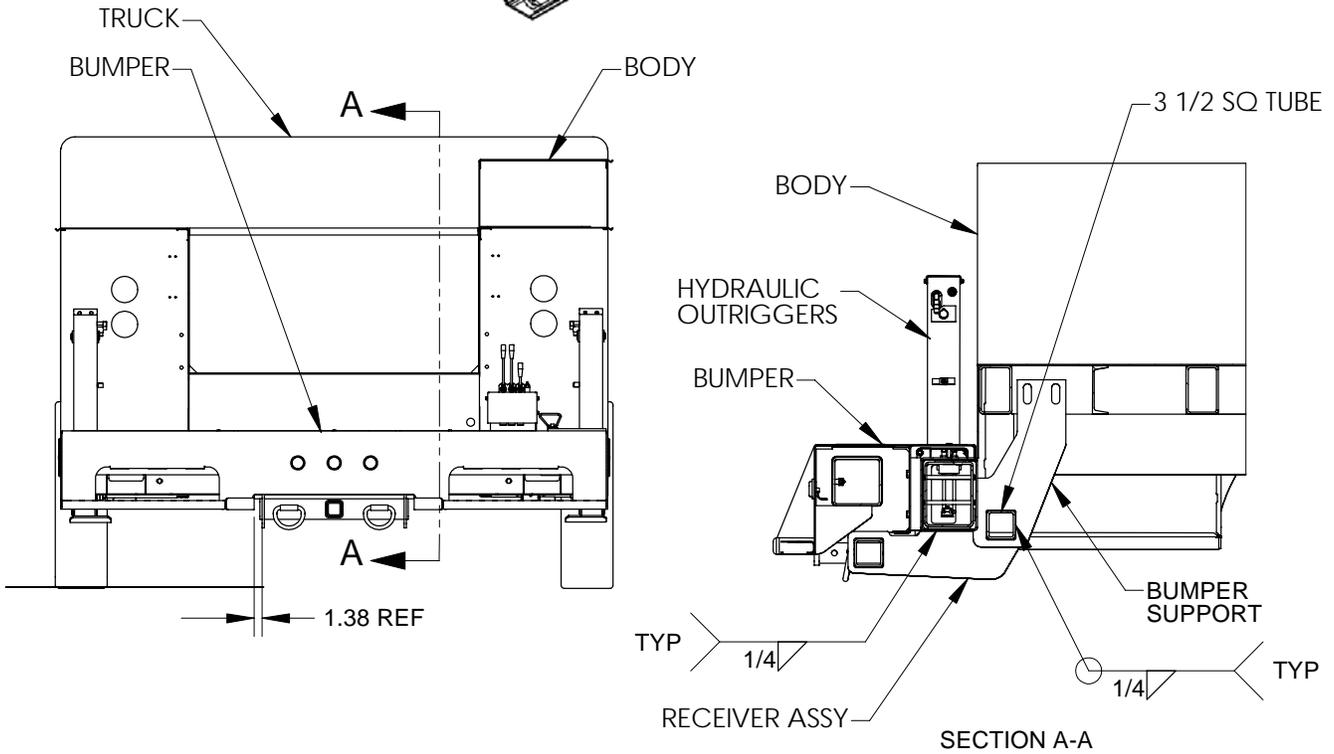
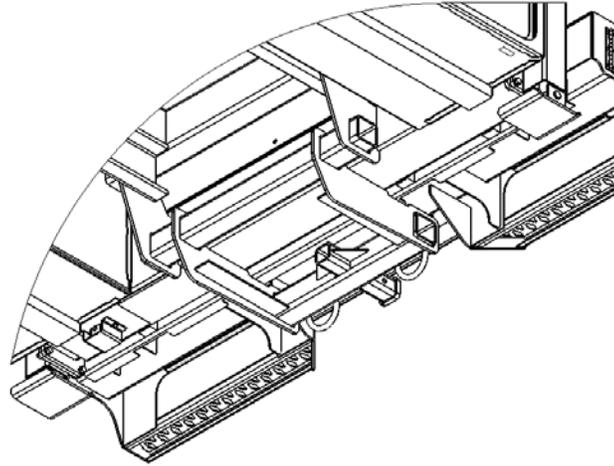
**BUMPER ASSEMBLY 30", STREET SIDE**  
**TITAN 60/70 – P/N: 772063000**



**BUMPER ASSEMBLY 30", STREET SIDE  
TITAN 60/70 – P/N: 772063000**

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	772064000	BUMPER WELDMENT, SSC
2	7	766141000	DECAL, SAFETY SURFACE
3	1	560245001	KIT, SHIP BUMPER
*4	4	750913000	BUMPER ADAPTER
*5	3	560105000	LIGHT MARKER LED 2"
*6	1	750282000	GROMMET 1 3/8 OD
*7	12"	752269000	TRIM EDGE
*8	8	021500000	WASHER SP LK 1/2
*9	8	010201000	SCREW HX HD 1/2-13UNC x 1 1/2 LG
*	ITEM PART OF ITEM #3		

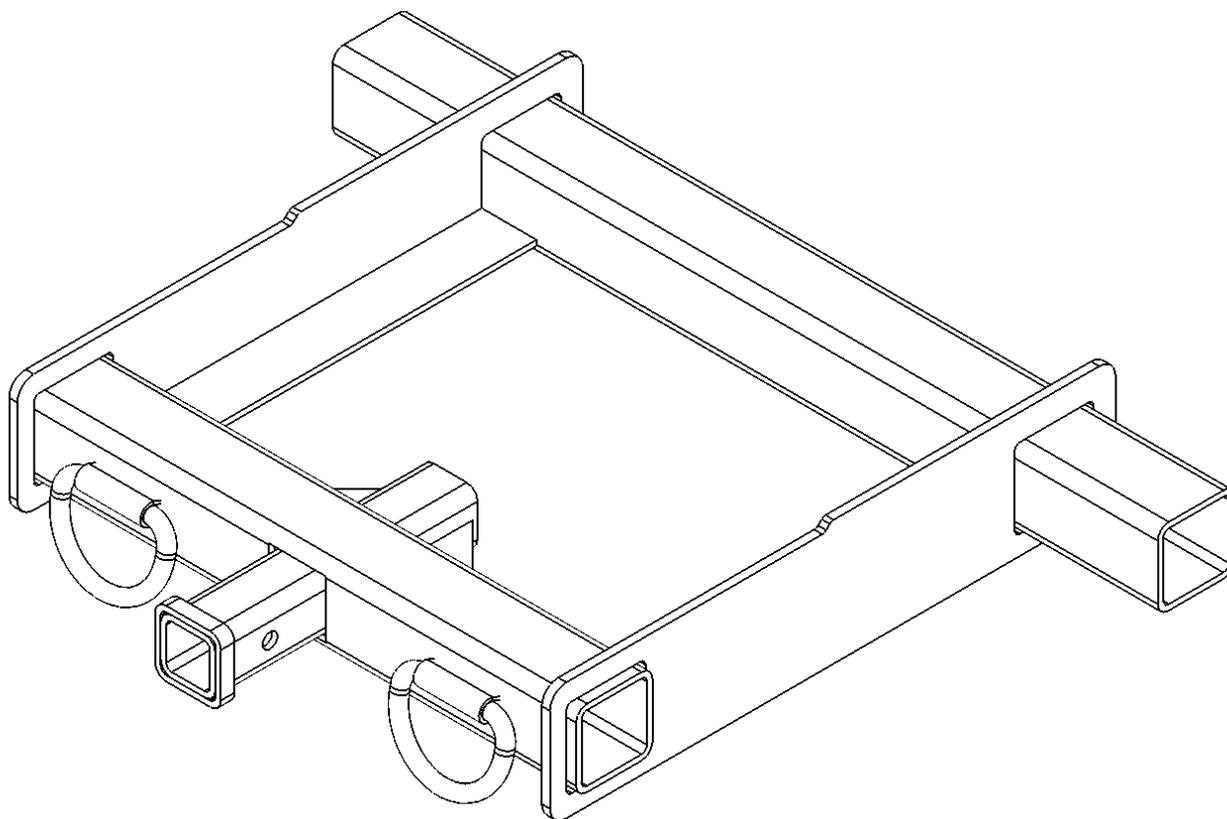
# RECEIVER HITCH INSTALLATION TITAN SERIES



**NOTE:**

1. INSERT THE END OF THE 3 1/2" TUBE OF THE RECEIVER ASSY IN THE HOLE OF THE BUMPER SUPPORT.
2. CONTINUE TO SLIDE RECEIVER ASSY OVER AND INSERT THE OTHER END OF THE TUBE IN THE OTHER BUMPER SUPPORT.
3. LOCATE THE RECEIVER ASSY AS SHOWN AND WELD INTO PLACE.
4. ALSO WELD THE RECEIVER ASSY TO THE BOTTOM OF THE OUTRIGGER TUBE AS SHOWN.

**RECEIVER HITCH**  
**TITAN 70 – P/N: 760365000**



THIS HITCH IS FOR USE WITH A 30" BUMPER.

# **FENDER-ET**

## **TITAN SERIES – P/N: 752912000**

### **INSTALLING**

WIPE MOUNTING SURFACES WITH CLEAN CLOTH TO REMOVE ANY DIRT OR OILS.  
(USE RUBBING ALCOHOL IF NECESSARY)

1. LOCATE FENDERETTE TO SIDEPACK, ALIGNING THE BOTTOM EDGES AND CENTERING IT ON THE FENDERWELL OPENING.
2. DRAW LINES ON FENDER WITH OIL PENCIL OR OTHER ERASABLE MARKER TO ASSIST WITH ALIGNMENT WHEN ADHESIVE IS APPLIED.
3. APPLY ADHESIVE TO FENDERETTE FLANGE PER INSTRUCTIONS ON CARTRIDGE. 1/8" BEAD IN CENTER OF FLANGE IS RECOMMENDED. THE NOZZLE DOES NOT NEED TO BE CUT TO PROVIDE 1/8" BEAD.
4. USE LINES FROM STEP #3 TO LOCATE FENDERETTE TO SIDEPACK, ALIGNING THE BOTTOM EDGES AND CENTERING IT ON THE FENDERWELL OPENING AS BEFORE.
5. USING WIDE SURFACE AREA CLAMPS, CLAMP FENDERETTE INTO PLACE TO INSURE FULL CONTACT BETWEEN THE FENDERETTE FLANGE AND THE SIDEPACK.
6. REMOVE ANY EXCESS ADHESIVE FROM OUTER EDGES.
7. ALLOW ADHESIVE TO CURE THREE TO FOUR HOURS BEFORE REMOVING CLAMPS. ADHESIVE WILL BE FULLY CURED IN EIGHT TO 24 HOURS.
8. (OPTIONAL) PAINT AREA UNDER FENDERETTE WITH FLAT BLACK PAINT.

### **PAINTING**

1. THE OUTER SURFACE OF THE FLARE MUST BE CLEANED WITH DUPONT #3919S PREP-SOL OR EQUIVALENT. DO NOT USE LACQUER THINNER OR ENAMEL REDUCER AS A CLEANER.
2. A POLYPROPYLENE PRIMER (DITZLER DPX800 OR EQUIVALENT) MUST BE USED TO ASSURE COLOR COAT ADHESION. USE 3 COATS OF HIGH FILL PRIMER AND BLOCK SAND.
3. THE COLOR COAT MUST HAVE A FLEX ADDITIVE (DITZLER DX369 OR EQUIVALENT) ADDED TO PREVENT PAINT CRACKING.

### **REMOVING**

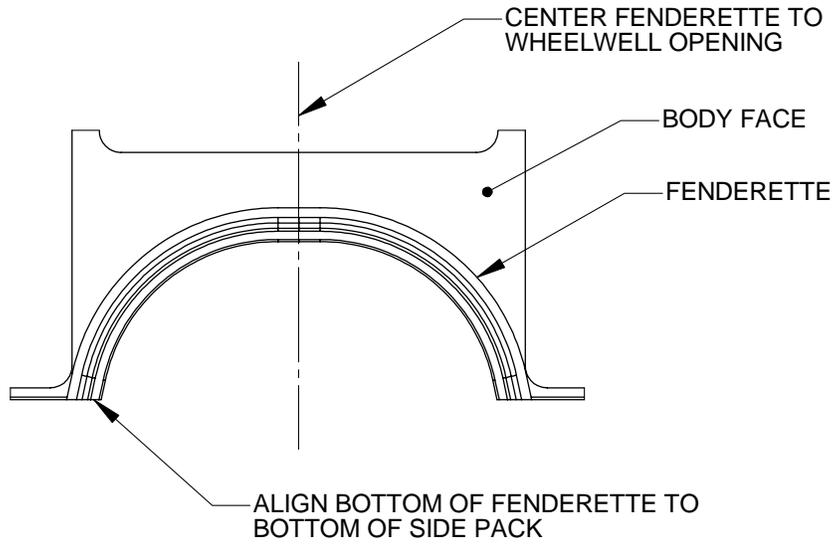
IF THE FENDERETTE CANNOT BE PEELED OFF, CUT THE BULK OF THE MATERIAL AWAY USING A KNIFE AND GRIND THE REMAINING MATERIAL

# **FENDER-ET**

## **TITAN SERIES – P/N: 752912000**

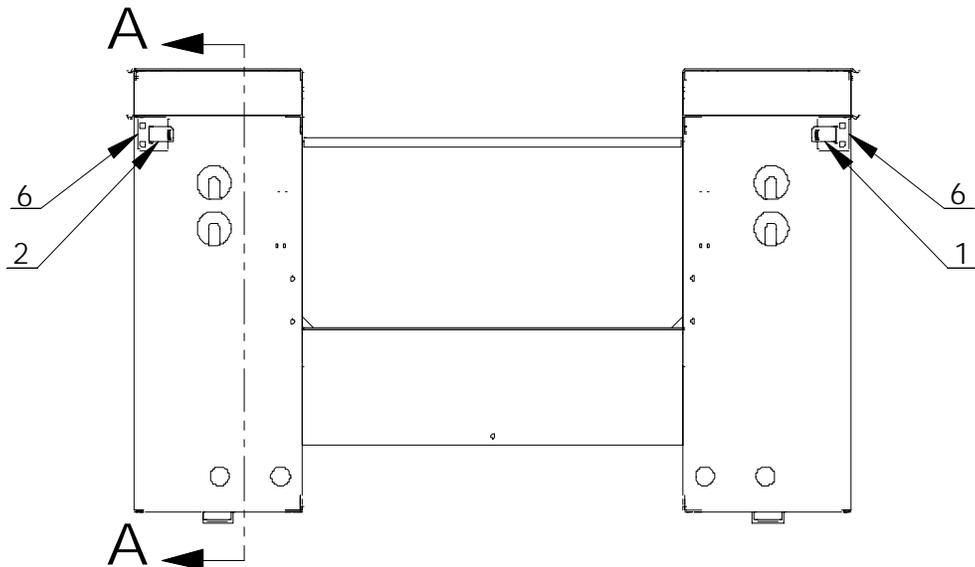
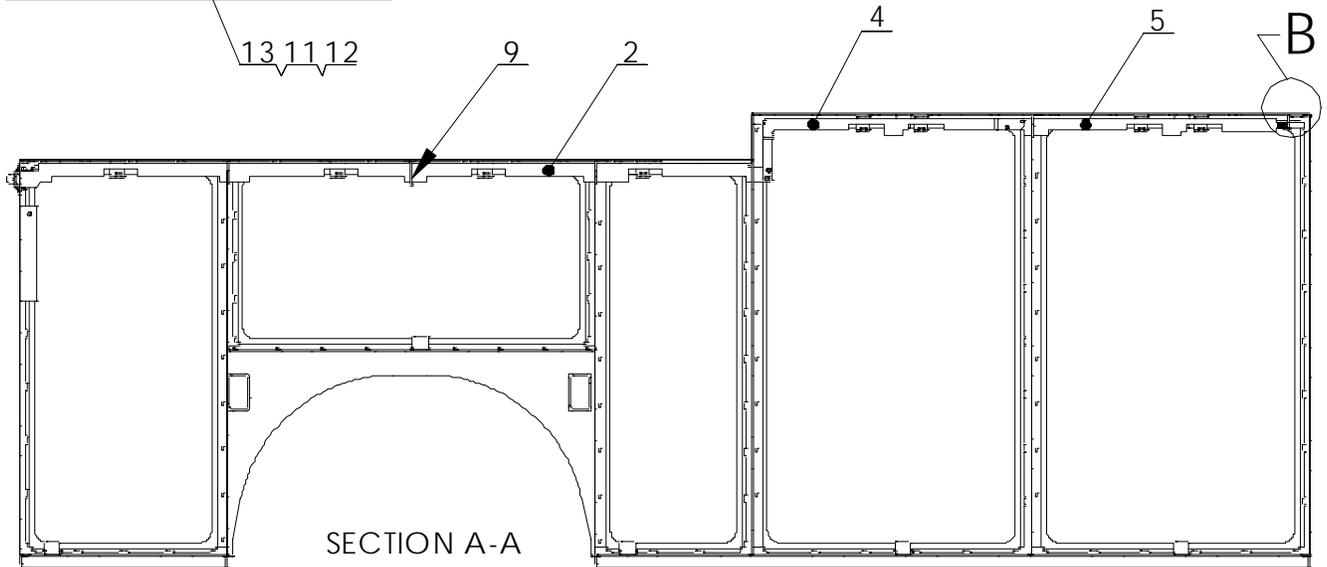
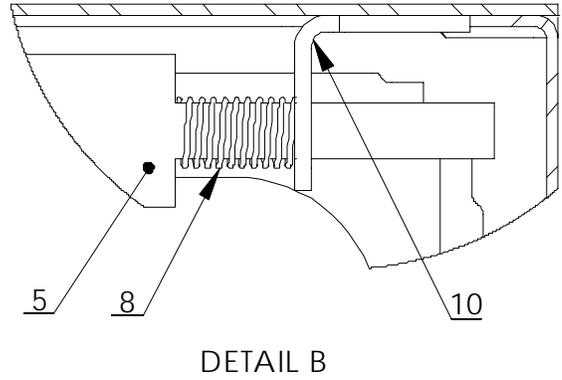
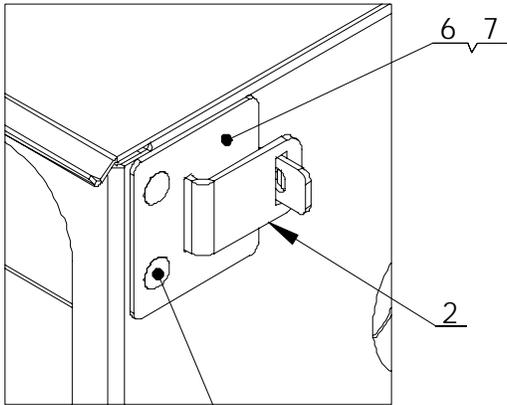
NOTE:

APPLICATOR KIT P/N: 752893000 INCLUDES APPLICATOR/PLUNGER/MIXING NOZZLE



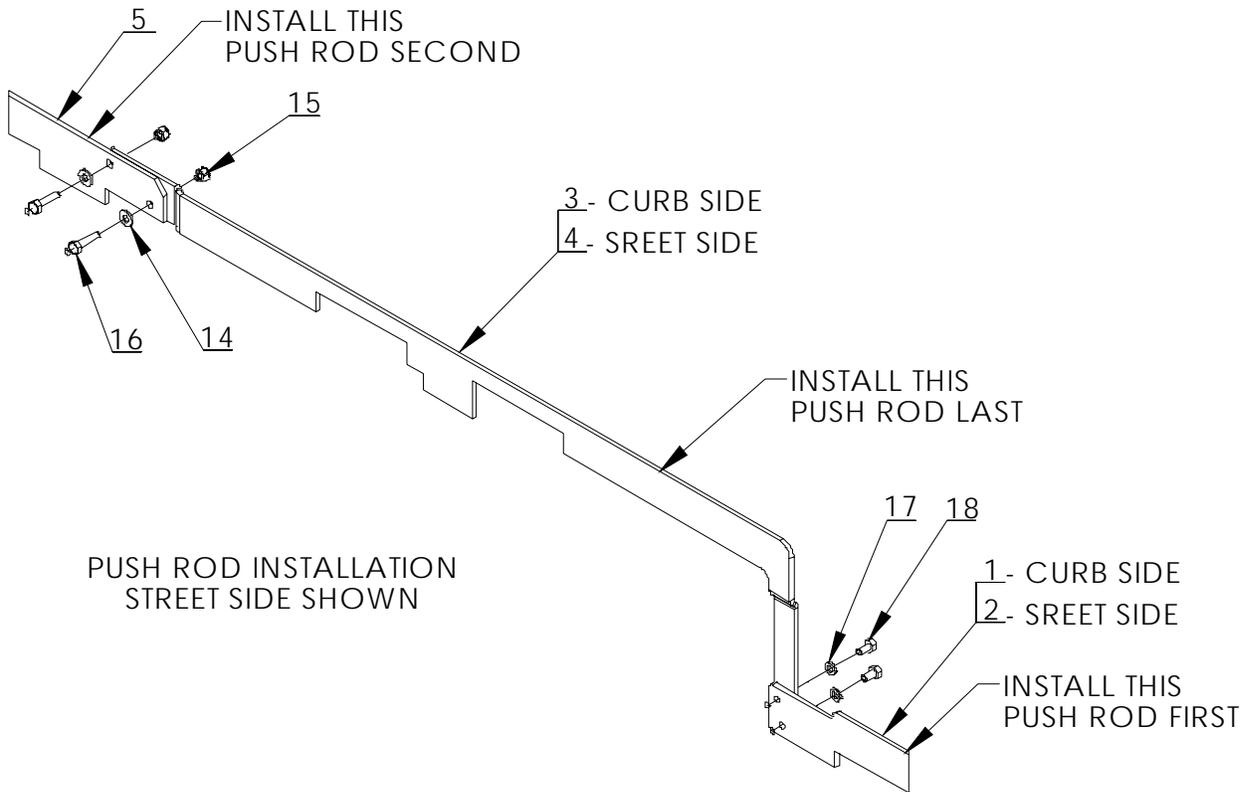
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	2	752913000	FENDER FLARE TPO, TITAN 50
2	1	752914000	ADHESIVE DP-8005 BLACK
3	1	725892000	MIXING NOZZLE, PLUS II 10:1
4	1	752891000	PLUNGER, EPX PLUS II

# MASTER LOCK SYSTEM TITAN SERIES 120CA – P/N: 760551000



# MASTER LOCK SYSTEM

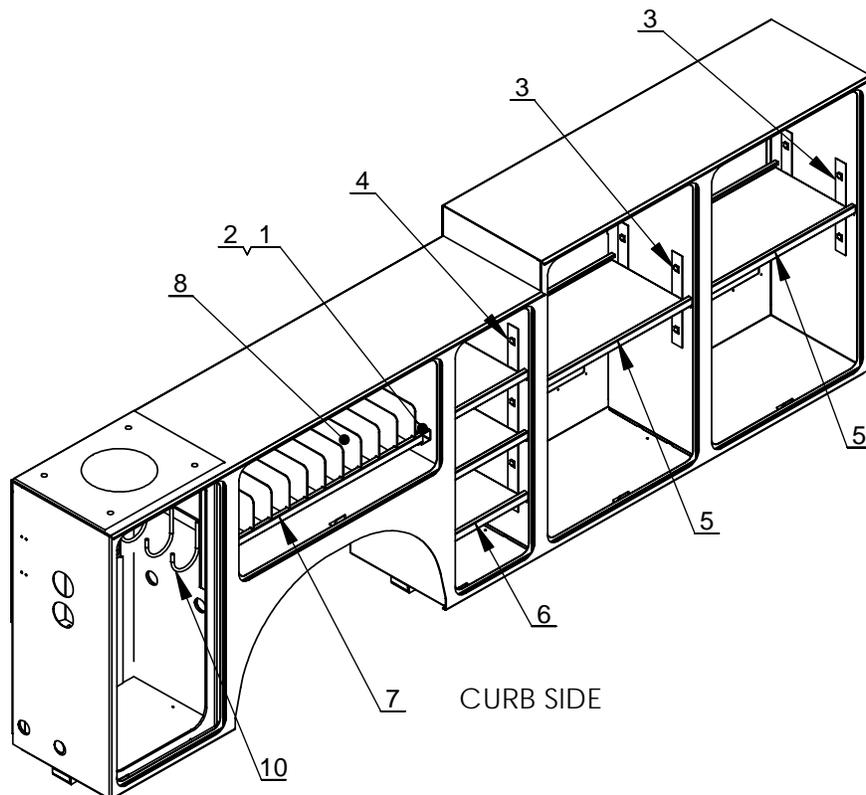
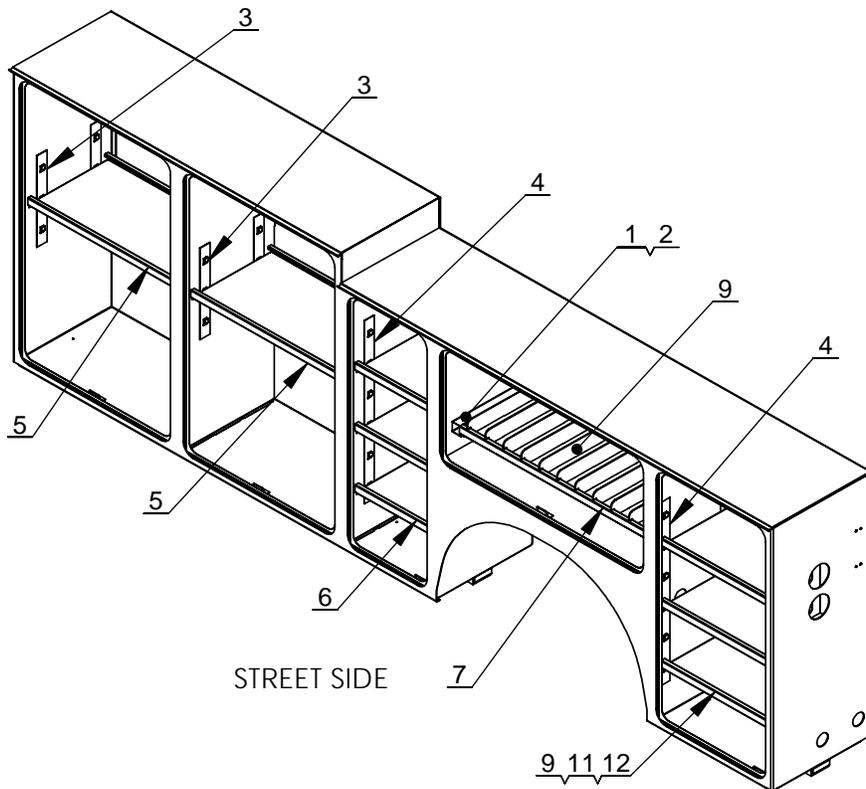
## TITAN SERIES 120CA – P/N: 760551000



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	760560000	PUSH BAR SHORT CS, TITAN 60/120CA
2	1	760560002	PUSH BAR SHORT SS, TITAN 60/120CA
3	1	760561000	PUSH BAR FRONT CS, TITAN 60/120CA
4	1	760561002	PUSH BAR FRONT SS, TITAN 60/120CA
5	2	760562000	PUSH BAR FRONT FWD, TITAN 60/120CA
6	2	560121001	MASTER LOCK LOCKING PLATE
7	2	560139000	GASKET MASTERLOCK
8	2	736730000	SPRING
9	2	560119000	MASTER LOCK GUIDE
10	2	560122000	MASTER LOCK MOUNT
11	4	021100000	WASHER SP LK 3/8
12	4	330372000	NUT HX 3/8-16UNC
13	4	560138000	SCREW CARRIAGE 3/8-16UNC X 1 LG
14	4	020300000	WASHER FL 1/4
15	4	016300000	NUT HX NYLK 1/4-20UNC
16	4	005604000	SCREW HX HD 1/4-20UNC X 1 LG
17	4	020200000	WASHER SP LK 1/4
18	4	005406000	SCREW HX HD 1/4-28UNF X 1/2 LG
19	4	005406000	SCREW HX HD 1/4-28UNF X 1/2 LG

# SHELF LOCATION

## TITAN SERIES 120CA – P/N: 760537-XXX



# **SHELF LOCATION**

## **TITAN SERIES 120CA – P/N: 760537-XXX**

SHELF LOCATION CHART			000 -	001 -
ITEM	PART NO.	DESCRIPTION	QTY	QTY
1	750804000	BRACKET SHELF	4	
2	340196000	TBG SQ 2 X .083W X 17	4	
3	750798000	SHELF STRIP SUPPORT 18"	16	
4	750799000	SHELF STRIP SUPPORT 36"	12	4
5	560476000	SHELF FRONT COMP	4	
6	760538000	SHELF MID COMP	6	3
7	560536000	SHELF HORIZ (PLASTIC DIVIDERS)	2	
8	560481001	DIVIDER, SHELF TALL (PLASTIC)	11	
9	560480001	DIVIDER, SHELF SHORT (PLASTIC)	14	
10	750807000	CHAIN HOOK ASSEMBLY	1	
11	560227000	TBG SQ STL 2 1/2 X .120W X 36	2	
12	560537000	SHELF REAR COMP (PLASTIC DIVIDERS)	3	

NOTE:

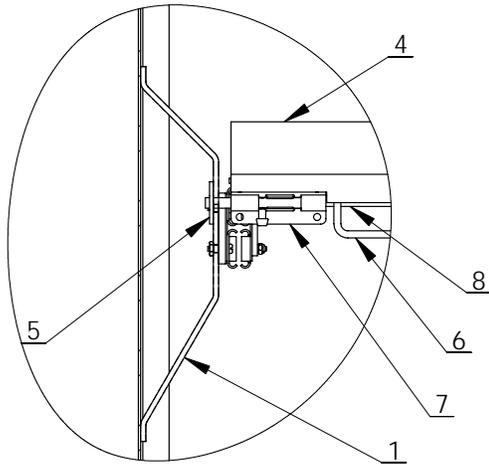
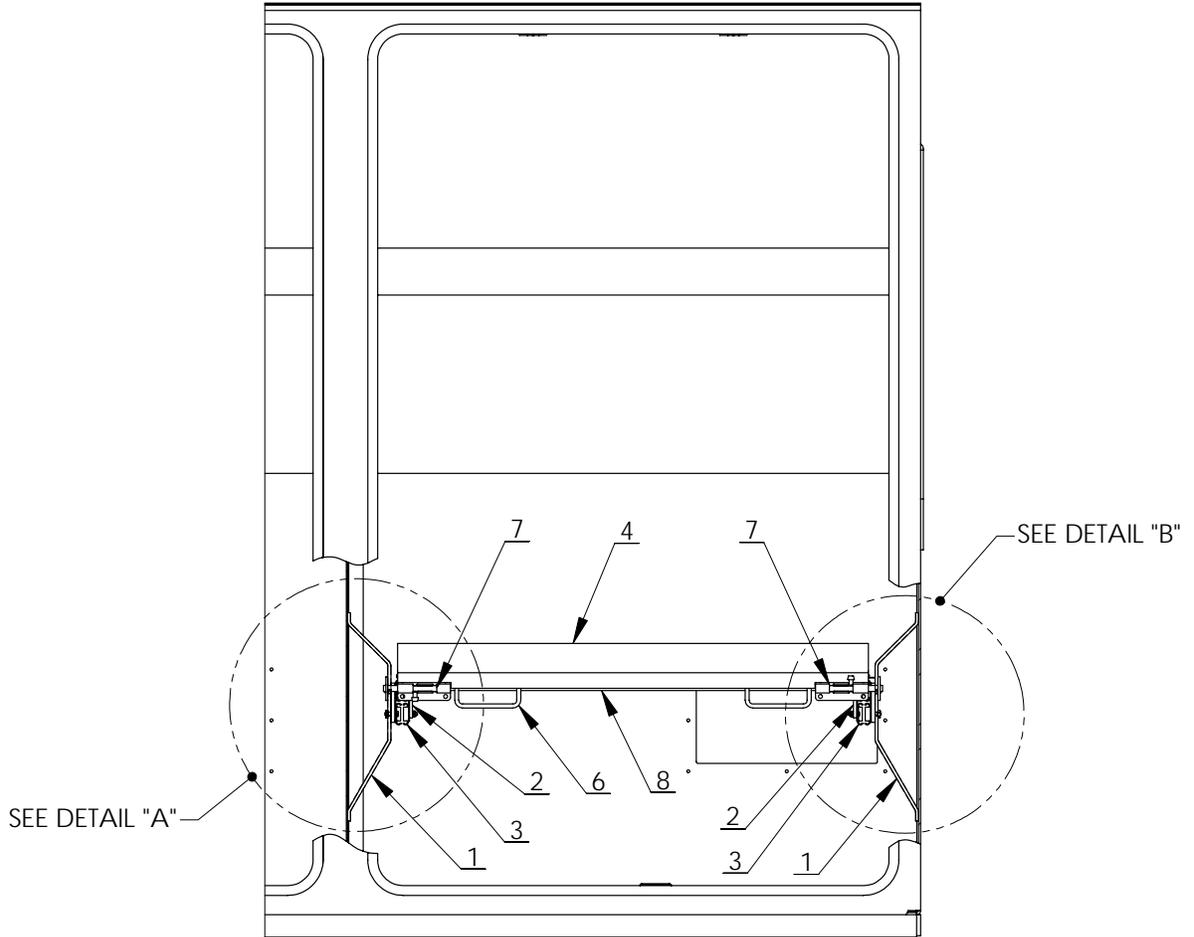
**000 EQUALS ALL PARTS FOR TOTAL SHELF PACKAGE**

001 EQUALS ONLY SHELVING MID COMP. CURB OR STR

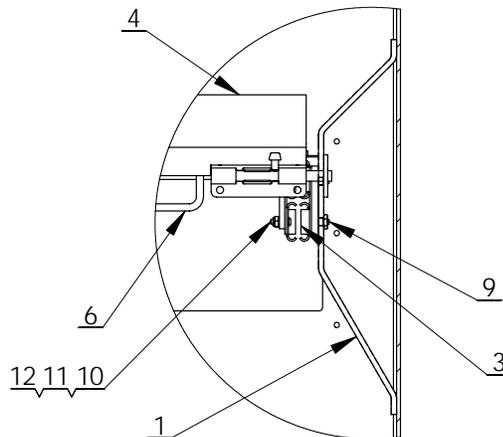
# **SLIDE OUT TRAY**

## **TITAN SERIES – P/N: 560238000**

(TO BE USED IN FRONT STREET OR CURB SIDE COMPARTMENT)



SEE DETAIL "A"

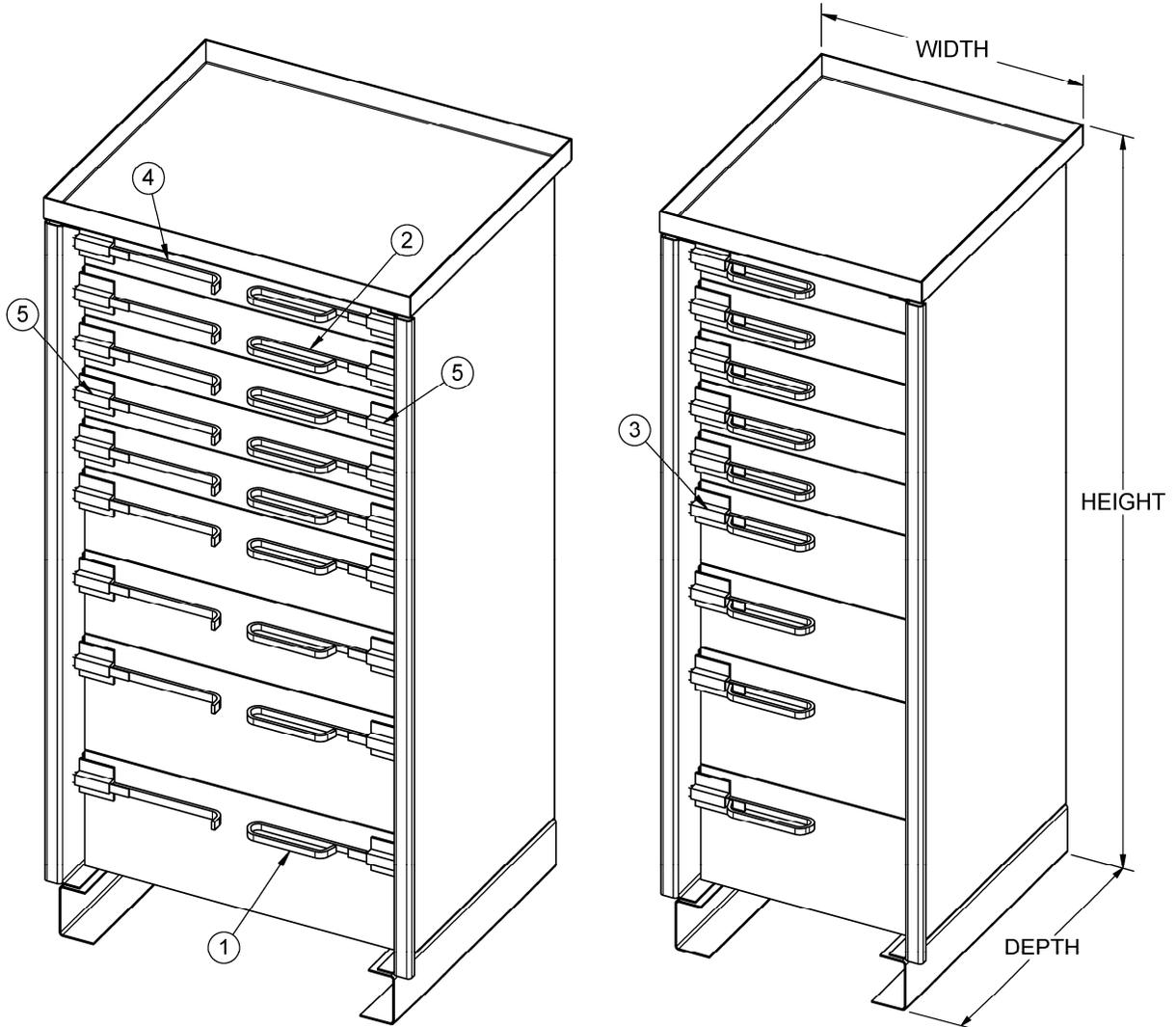


SEE DETAIL "B"

**SLIDE OUT TRAY  
TITAN SERIES – P/N: 560238000**

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	2	560240000	SUPPORT WDMT SLIDE OUT TRAY
2	2	754554000	SUPPORT SHELF
3	1	754551000	SLIDE SET 18/550#
4	1	560241000	SHELF SLIDE OUT TRAY
5	2	750747000	BARREL BOLT RETAINER
6	2	725317000	DRAWER PULL
7	2	750742000	BARREL BOLT
8	2	340040000	ANG 1 X 1 X 1/4 X 27.50
9	20	001204000	SCREW FL HD #8-32UNC X 3/4 LG
10	20	753275000	SCREW SOC BUT HD #8-32UNC X 5/8 LG GR8
11	20	019700000	WASHER SP LK #8
12	20	725321000	NUT HX NYLK #8-32UNC

# TOOL BOX TITAN 50/60/70



(MORE THAN 20" WIDE)

(20" WIDE OR LESS)

# **TOOL BOX**

## **TITAN 50/60/70**

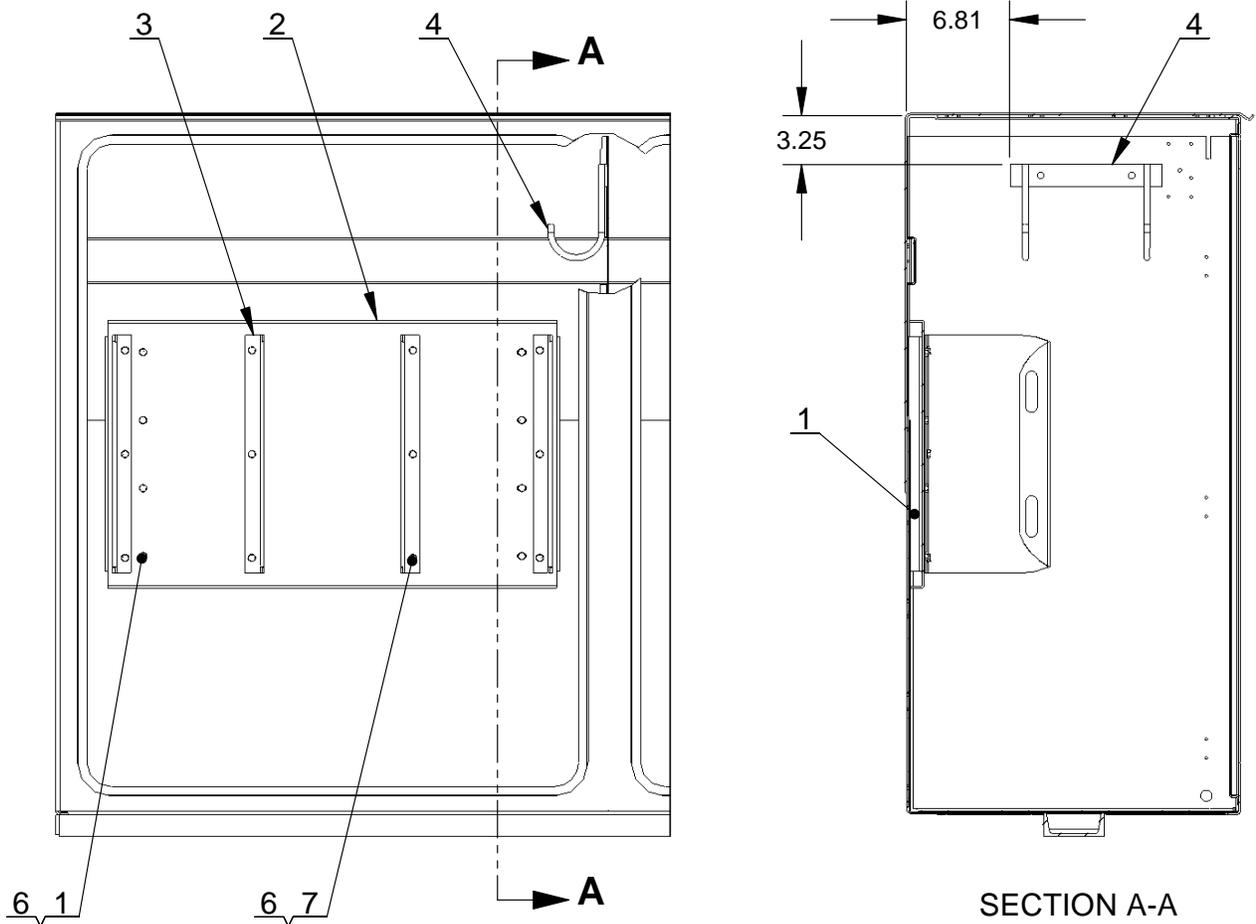
### **TOOLBOX PART NUMBERS**

<b>COMPARTMENT</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
FRONT	560127000	TOOLBOX, (2) 7", (2) 5", (5) 3", 30W x 44.25H x 18D, FRONT, T38(TALL)/50/60/70
MID	560126000	TOOLBOX, (2) 7", (2) 5", (5) 3", 15.5W x 44.25H x 18D, MID, T50/60/70
HORIZONTAL	560124000	TOOLBOX, (1) 5", (3) 3", 41W x 19.25H x 18D, HORIZ, T50/60/70
REAR	560125000	TOOLBOX, (2) 7", (2) 5", (5) 3", 21.5W x 44.25H x 18D, REAR, T50/60/70

### **TOOLBOX SERVICE PART NUMBERS**

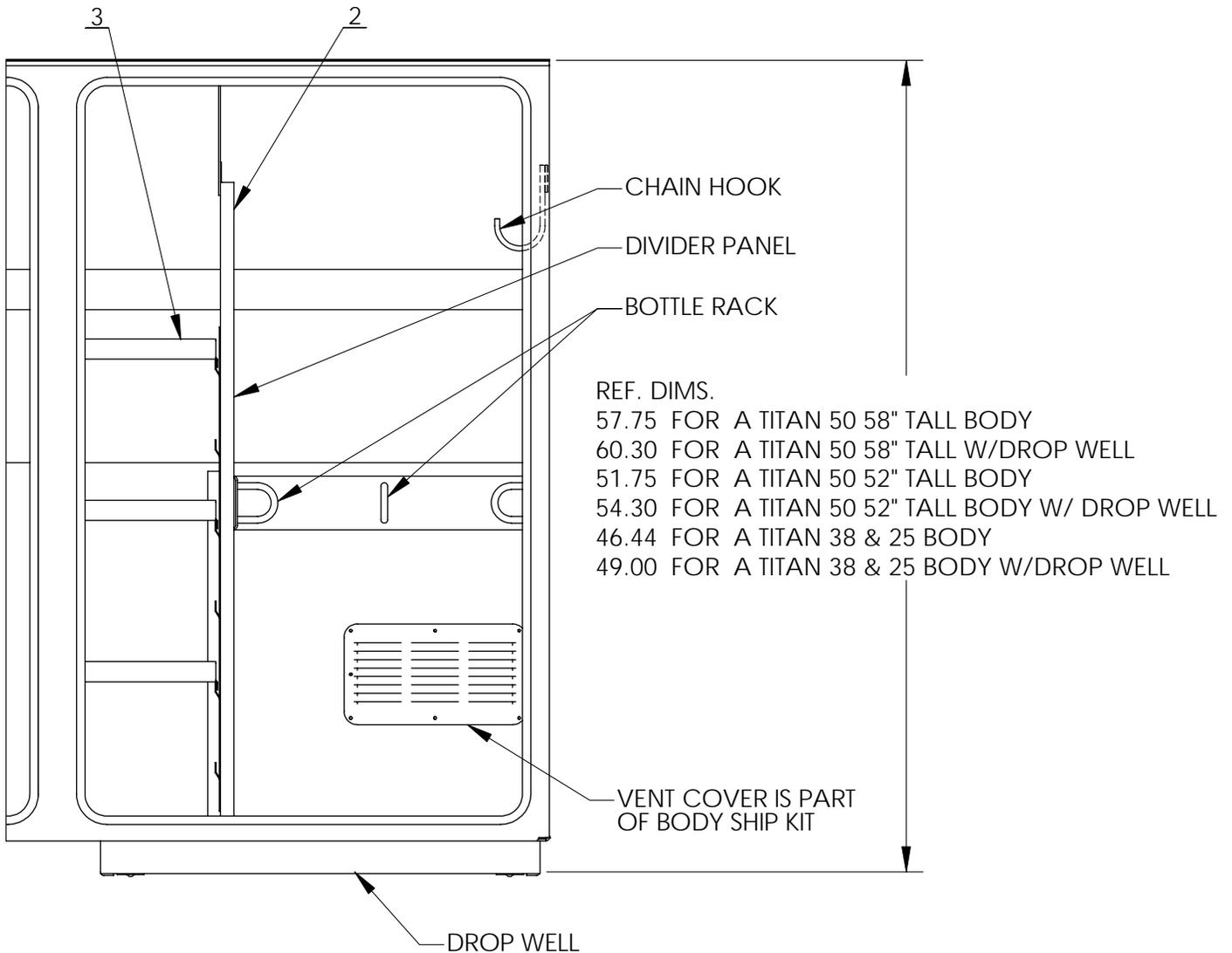
<b>ITEM</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
1	560330000	BRUSHED HANDL W/O LOGO
	560330001	6 3/4" BAR FOR HANDLE, TOOLBOX (21.5"W)
	560330006	11" BAR FOR HANDLE, TOOLBOX (30"W)
	560332009	16 1/2" BAR FOR HANDLE, TOOLBOX (41"W)
3	560332000	HANDLE & THUMB RELEASE, TOOLBOX (20"W OR LESS)
	560332001	5 7/8" THUMB RELEASE BAR, W/O HANDLE, TOOLBOX (21.5"W)
4	560332006	10 1/8" THUMB RELEASE BAR, W/O HANDLE, TOOLBOX (30"W)
	560332009	15 5/8" THUMB RELEASE BAR, W/O HANDLE, TOOLBOX (41"W)
5	560331000	LATCH BOLT, TOOLBOX, (MORE THAN 20"W)
*	560333000	HEAVY DUTY DRAWER SLIDES 16", TOOLBOX
*	560336000	DIVIDER 7" HIGH X 16"D, TOOLBOX
*	560335000	DIVIDER 5" HIGH X 16"D, TOOLBOX
*	560334000	DIVIDER 3" HIGH X 16"D, TOOLBOX
*		NOT SHOWN

# OXY/ACET ASSY TITAN SERIES – P/N: 736230000



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	2	738766000	MOUNTING CHANNEL ASSY
2	1	736226000	OXY-ACET MTG PLT ASSY
3	4	736229000	DIVIDER PNL - OXY/ACET
4	1	750613000	HOSE HOOK WDMT
5	1	725039000	STRAP HOLD DOWN OXY/ACET
6	20	020200000	WASHER SP LK 1/4
7	20	005500000	SCREW HX HD 1/4-20UNC X 3/4 LG

# OXY DIVIDER/SHELVING PACKAGE TITAN SERIES – P/N: 560483000

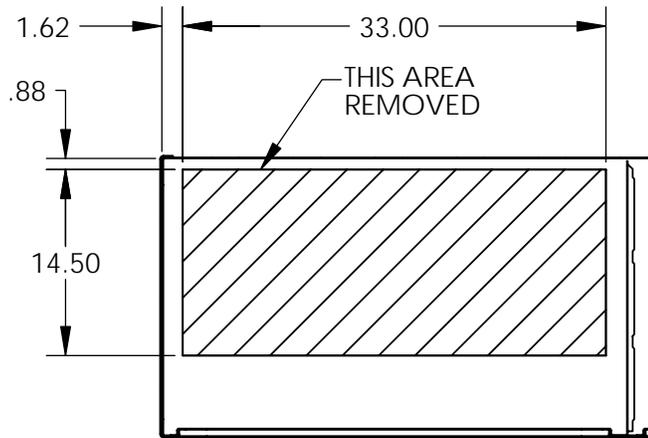
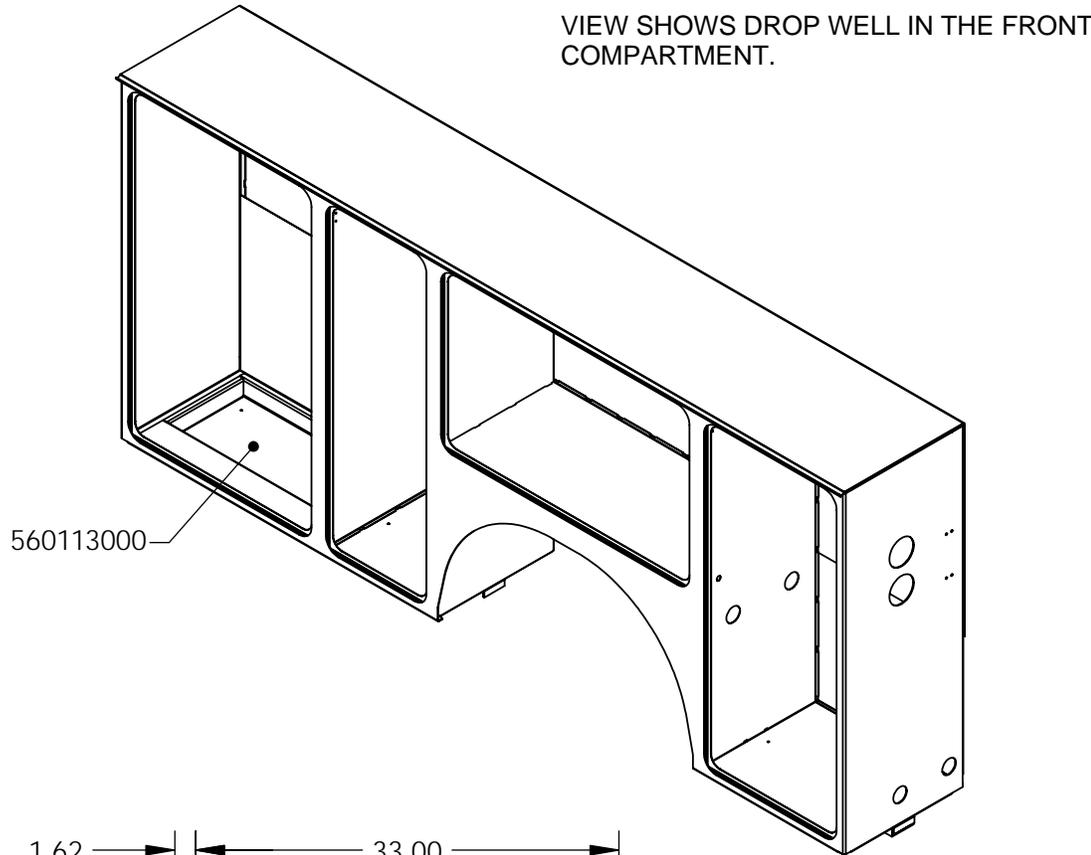


ITEM NO.	QTY.	PART NO.	DESCRIPTION
*1	1	725039000	STRAP HOLD DOWN OXY/ACET
2	1	560400000	OXY DIVIDER/SHELVING WELDMENT
3	3	560484000	SHELF FRONT COMP (OXY/DIVIDER)
*	NOT SHOWN		

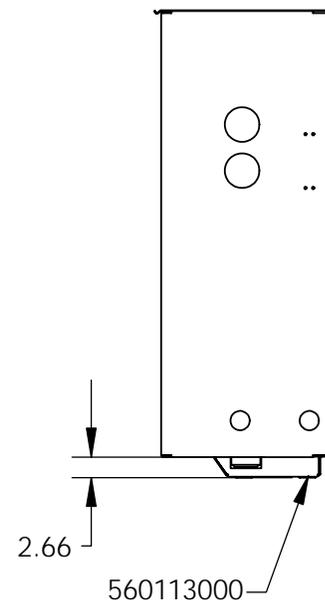
# **DROP WELL 2"**

## **TITAN SERIES – P/N: 560206000**

VIEW SHOWS DROP WELL IN THE FRONT COMPARTMENT.

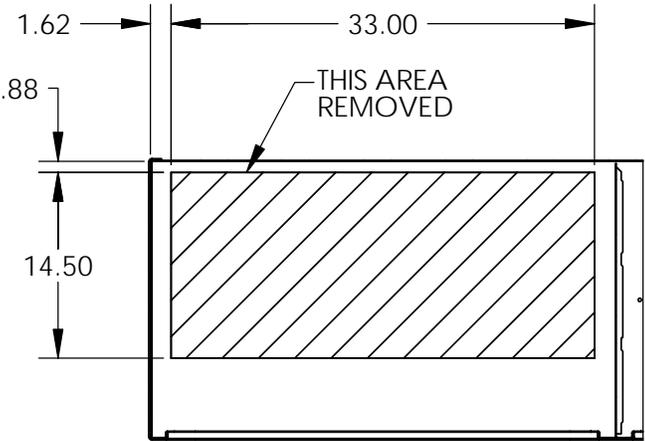
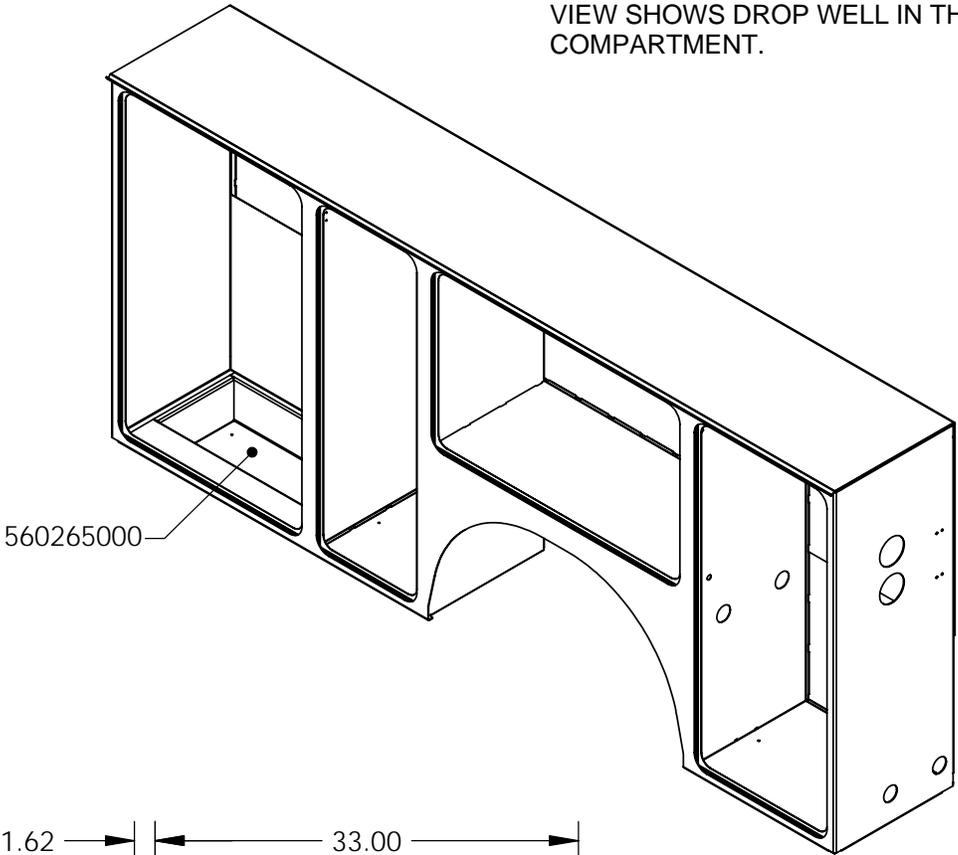


FRONT COMP MODIFICATION  
CUTOUT DETAIL FOR DROP BOX

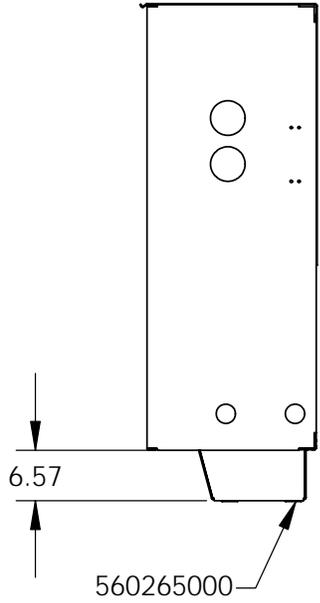


# **DROP WELL 6"** **TITAN SERIES – P/N: 560258000**

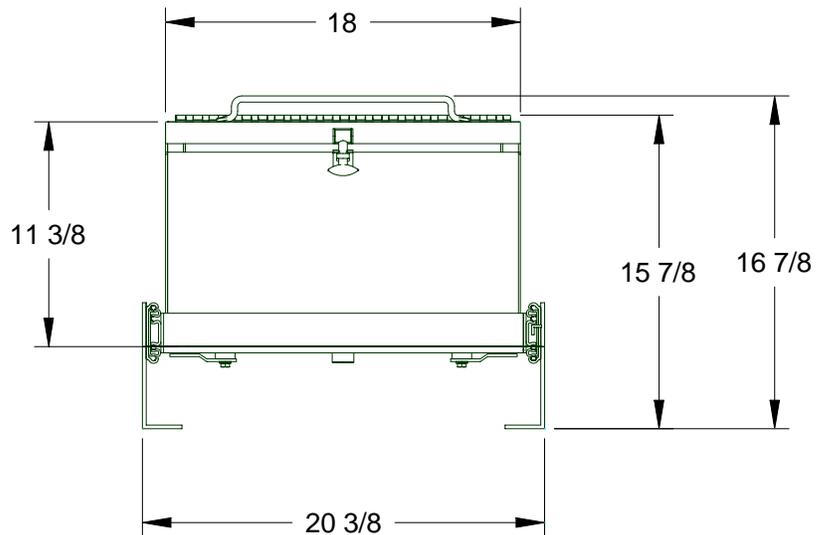
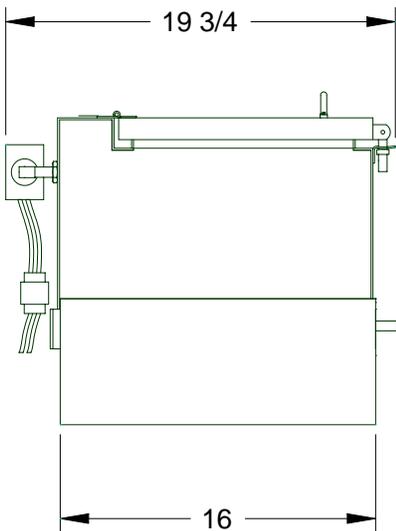
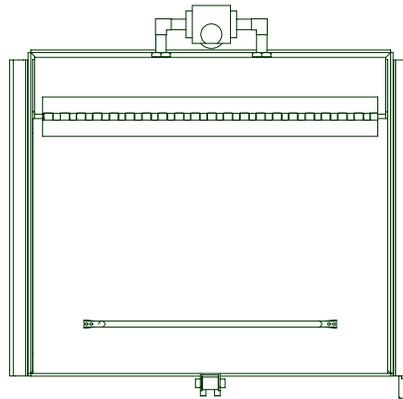
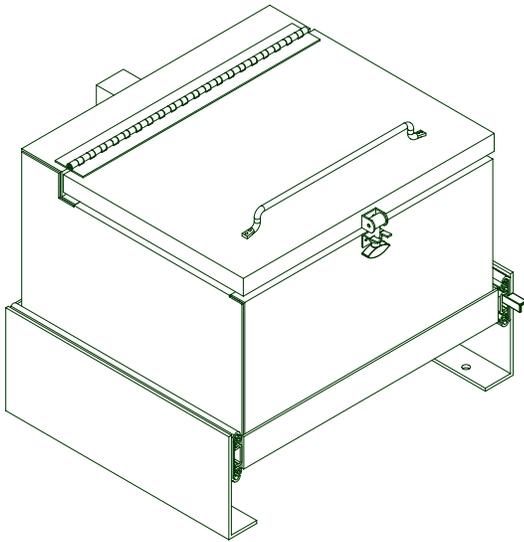
VIEW SHOWS DROP WELL IN THE FRONT COMPARTMENT.



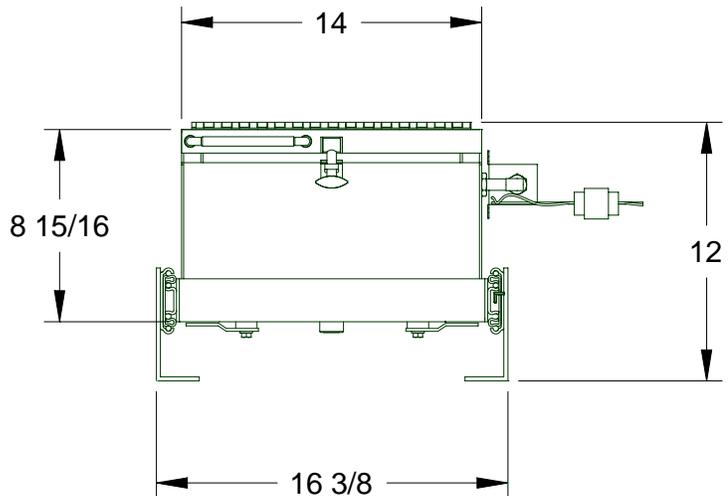
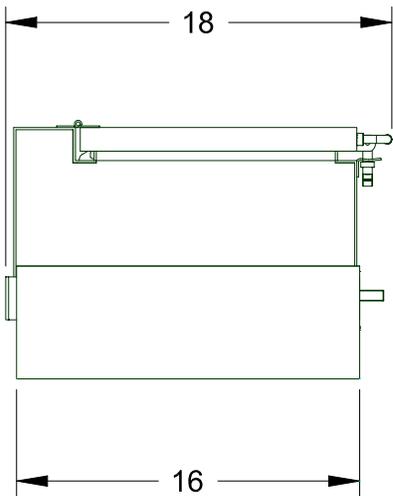
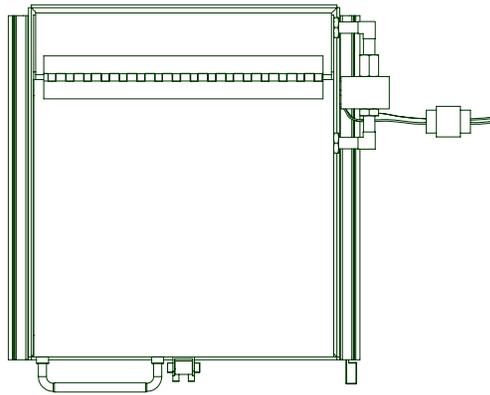
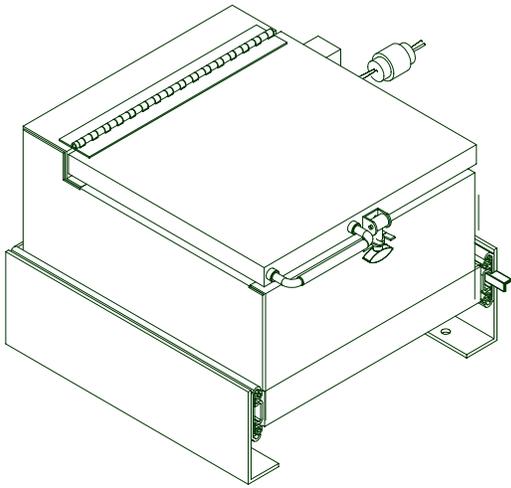
FRONT COMP MODIFICATION  
CUTOUT DETAIL FOR DROP BOX



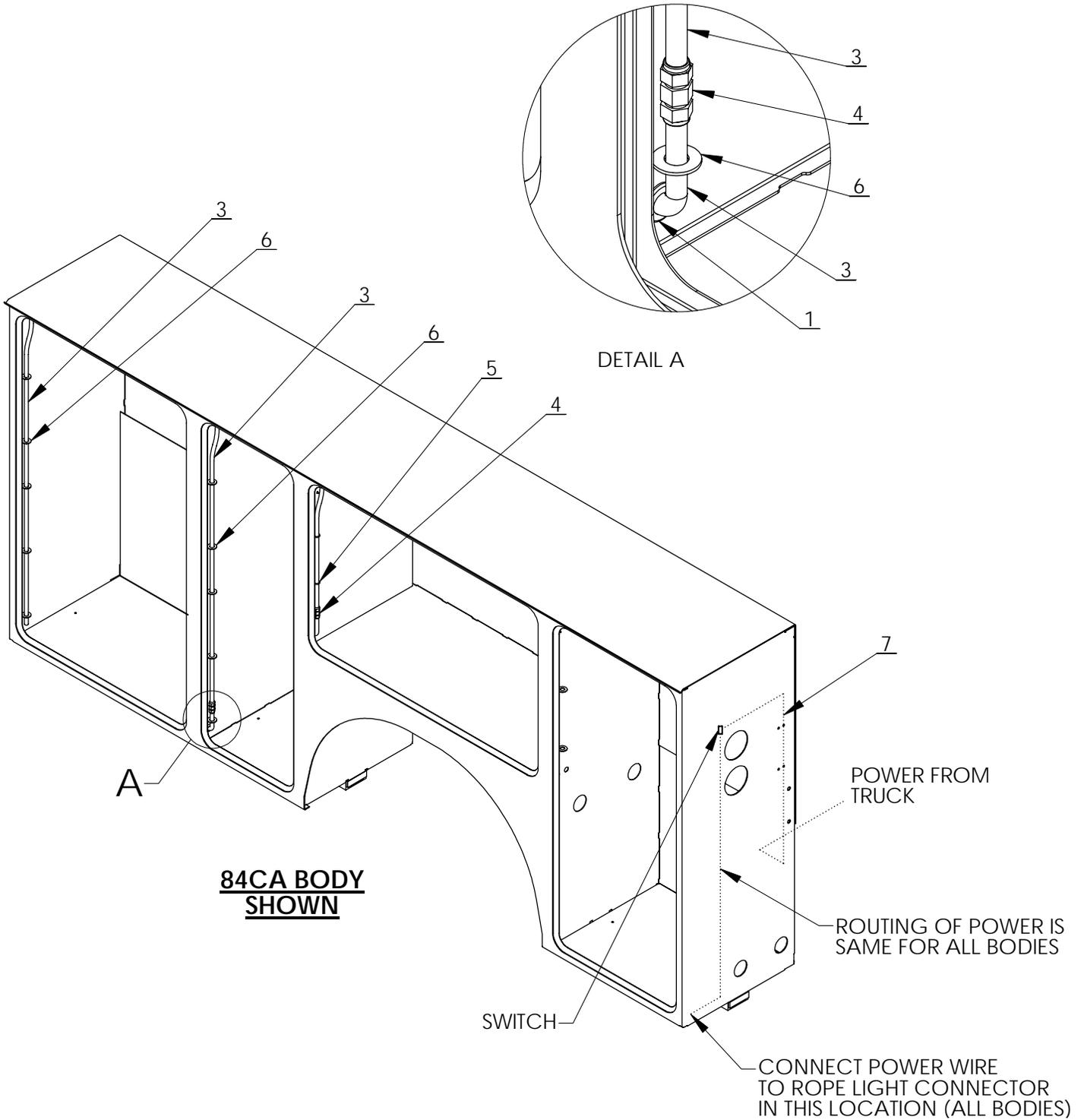
# PARTS WASHER - LARGE TITAN SERIES – P/N: 56060000



**PARTS WASHER - SMALL**  
**TITAN SERIES – P/N: 560601000**



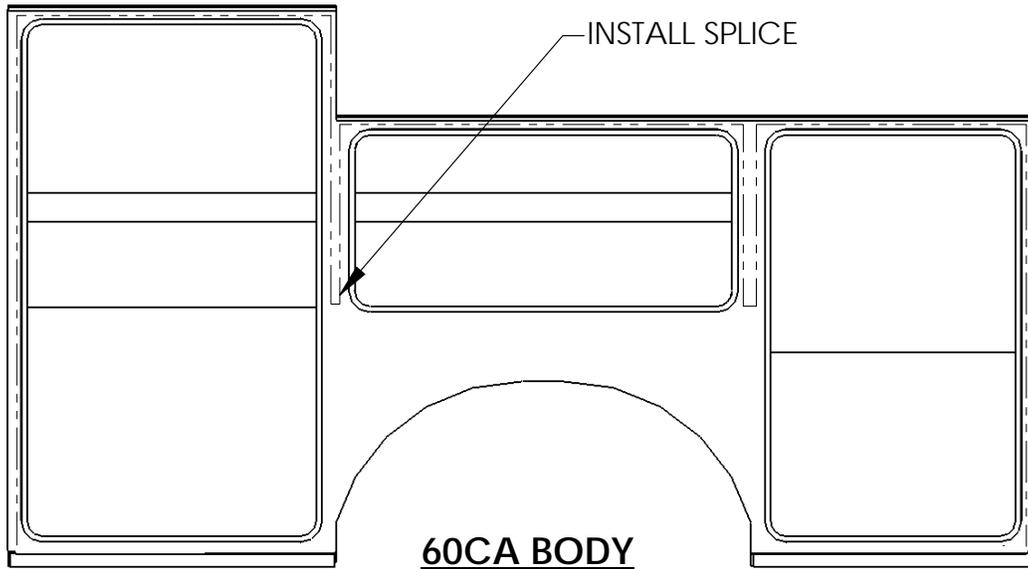
# ROPE LIGHT KIT TITAN SERIES – P/N: 560271-XXX



# ROPE LIGHT KIT

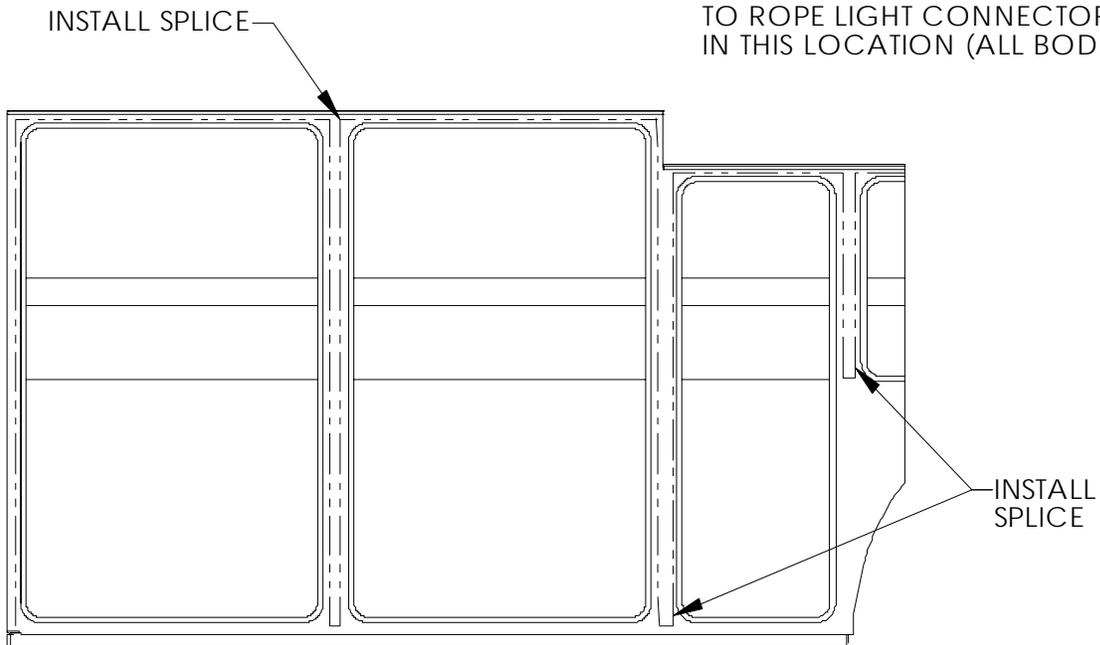
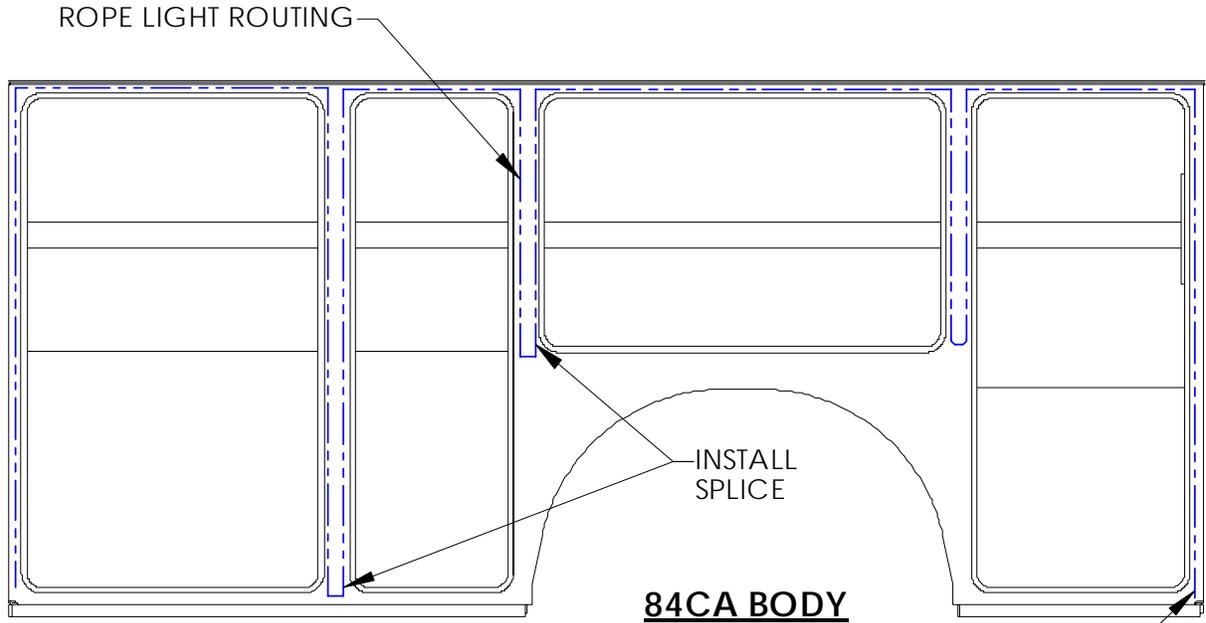
## TITAN SERIES – P/N: 560271-XXX

COMPARTMENT LIGHT KIT CHART			-000 (84 CA)	-010 (120 CA)	-020 (60 CA)
ITEM NO.	DESCRIPTION PART,NO.	PART NO.	QTY.	QTY.	QTY.
1	GROMMET, RUBBER	750169000	6	6	6
2	SWITCH TOGGLE (ON-OFF)	750739000	2	2	2
3	LIGHTING, ROPE	560116000	3	5	3
4	SPLICE, 1/2" ROPE LIGHT	560388000	2	4	2
5	TIE WRAP PUSH-IN	560383000	20	32	12
6	WASHER FL 5/8 X 1 5/16 OD	407314000	64	73	56
7	WIRE 16GA 600V BLACK	800590000	30'	35'	30'



# ROPE LIGHT KIT

## TITAN SERIES – P/N: 560271-XXX

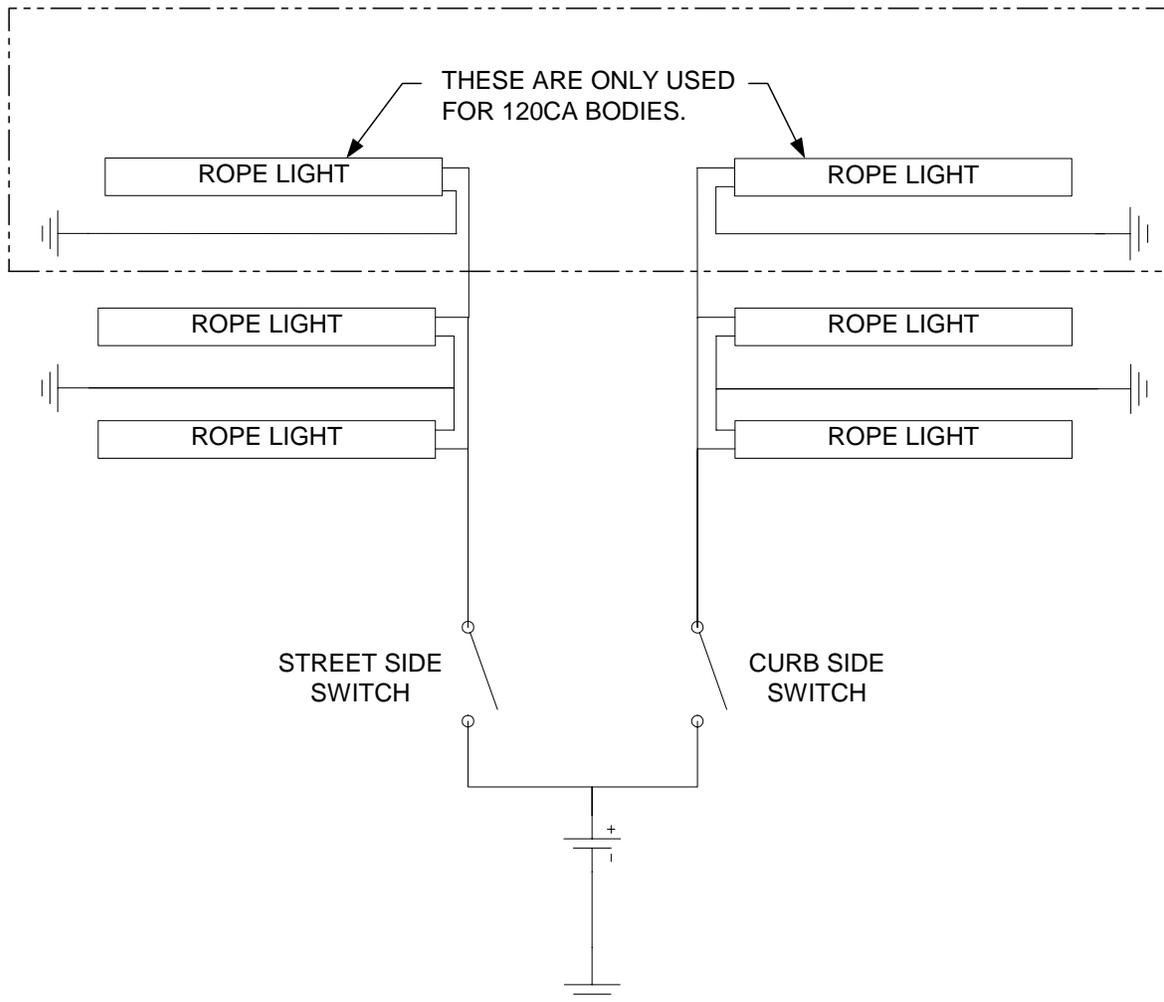


### **120CA BODY**

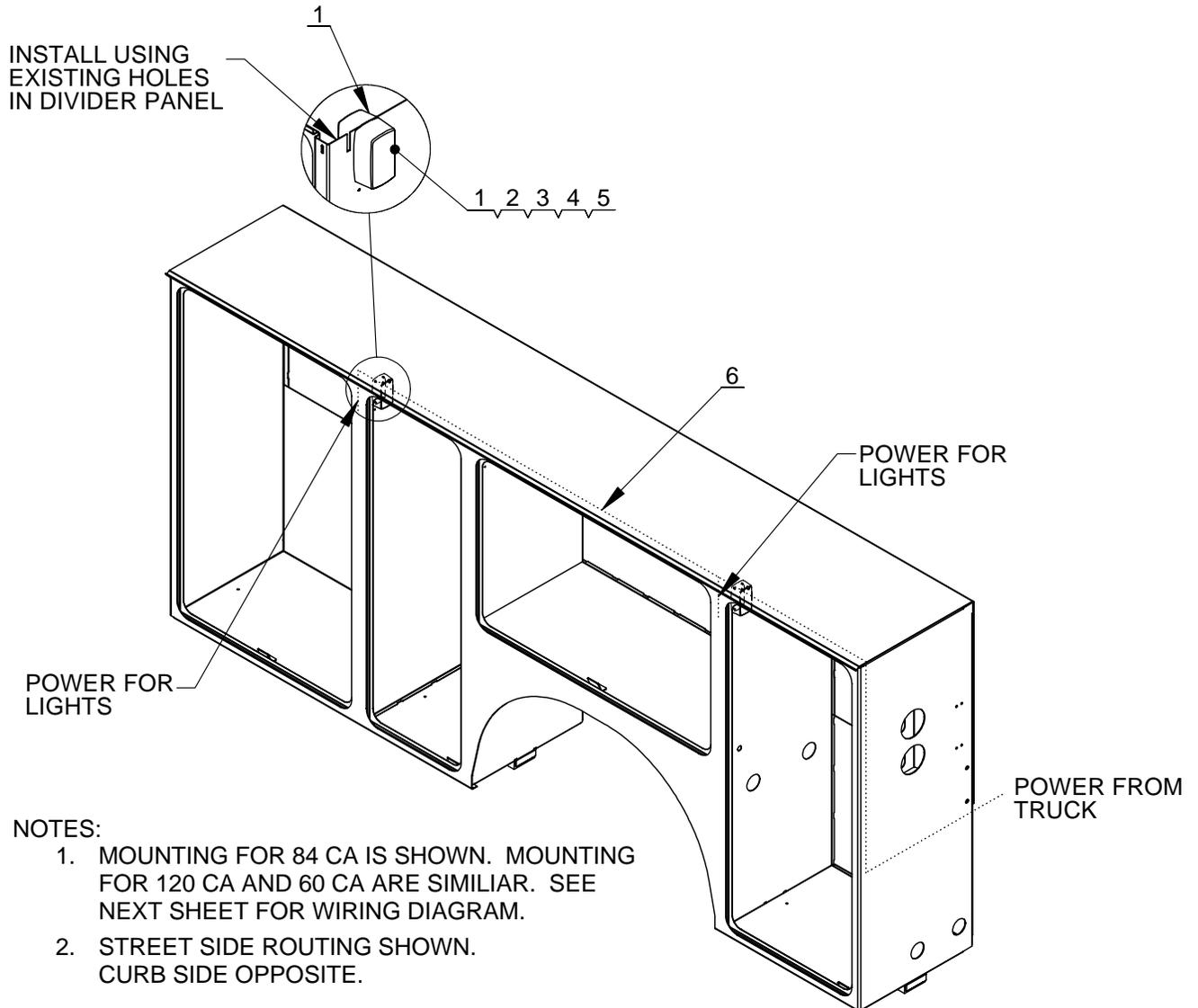
ROUTING FOR HORIZ. & REAR COMPARTMENTS  
ARE THE SAME AS OTHER BODIES

# ROPE LIGHT KIT

## TITAN SERIES – P/N: 560271-XXX



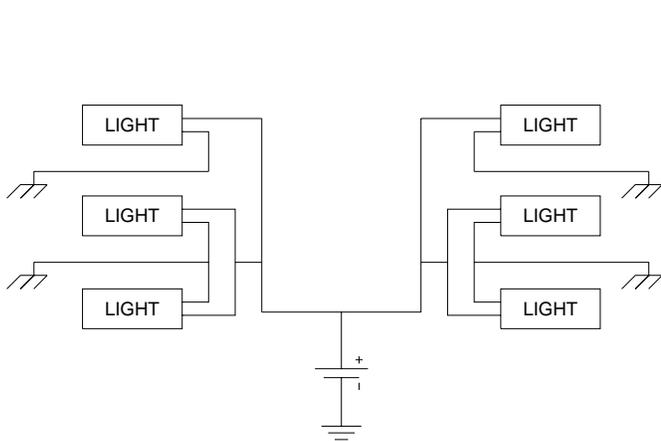
# COMPARTMENT LIGHT KIT TITAN SERIES – P/N: 560271-XXX



COMPARTMENT LIGHT KIT CHART			-001 (84 CA)	-011 (120 CA)	-021 (60 CA)
ITEM NO.	DESCRIPTION	PART NO.	QTY.	QTY.	QTY.
1	LIGHT, COMPARTMENT	750730000	8	10	6
2	WASHER FL #8 ZP	019701000	16	20	12
3	SCREW RD HD #8-32UNC X 3/4LG	001503000	16	20	12
4	WASHER SP LK #8	019700000	16	20	12
5	NUT HX #8-32UNC CP	015500000	16	20	12
6	WIRE 16 GA 600V BLACK	800590000	40'	46'	36'

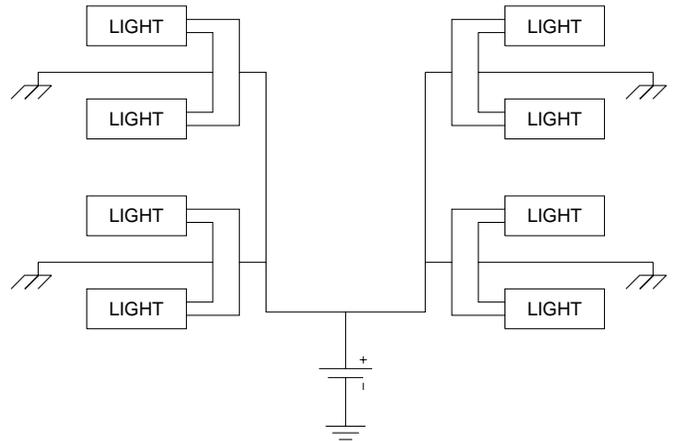
# COMPARTMENT LIGHT KIT

## TITAN SERIES – P/N: 560271-XXX



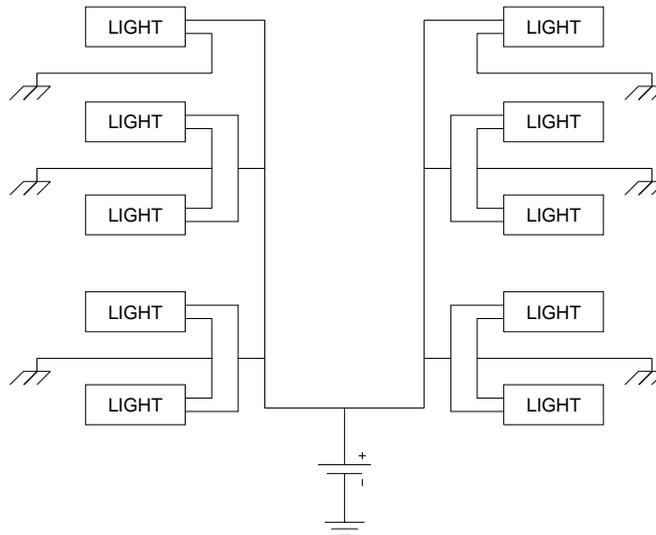
### 560271021 - 60 CA

THE COMPARTMENT LIGHTS ARE MOUNTED BACK TO BACK ON THE DIVIDER PANEL BETWEEN THE HORIZONTAL AND REAR COMPARTMENTS. THE OTHER LIGHT IS MOUNTED ON THE DIVIDER PANEL BETWEEN THE FRONT & HORIZONTAL COMPARTMENTS FACING THE FRONT COMPARTMENT



### 560271001 - 84 CA

THE COMPARTMENT LIGHTS ARE MOUNTED BACK TO BACK ON THE DIVIDER PANEL BETWEEN THE FRONT AND MID COMPARTMENT AS WELL AS THE HORIZONTAL AND REAR COMPARTMENTS.



### 560271011 - 120 CA

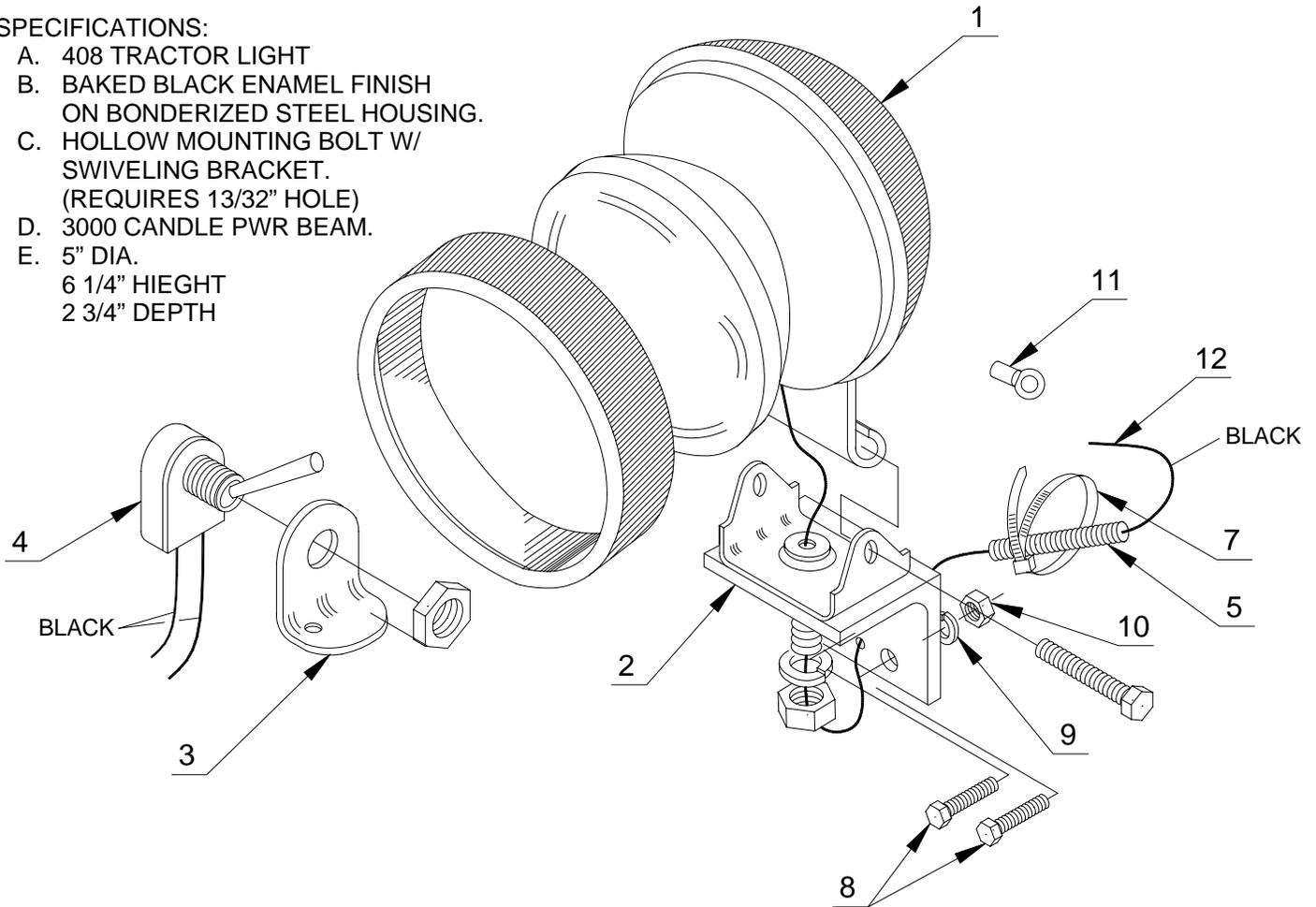
THE COMPARTMENT LIGHTS ARE MOUNTED BACK TO BACK ON THE DIVIDER PANEL BETWEEN THE FRONT AND MID COMPARTMENT AS WELL AS THE HORIZONTAL AND REAR COMPARTMENTS. THE OTHER LIGHT IS MOUNTED ON THE DIVIDER PANEL BETWEEN THE TWO FRONT COMPARTMENTS FACING THE CAB.

# FLOOD LIGHT KIT

## TITAN SERIES – P/N: 750825000

**SPECIFICATIONS:**

- A. 408 TRACTOR LIGHT
- B. BAKED BLACK ENAMEL FINISH ON BONDERIZED STEEL HOUSING.
- C. HOLLOW MOUNTING BOLT W/ SWIVELING BRACKET. (REQUIRES 13/32" HOLE)
- D. 3000 CANDLE PWR BEAM.
- E. 5" DIA.  
6 1/4" HIEGHT  
2 3/4" DEPTH



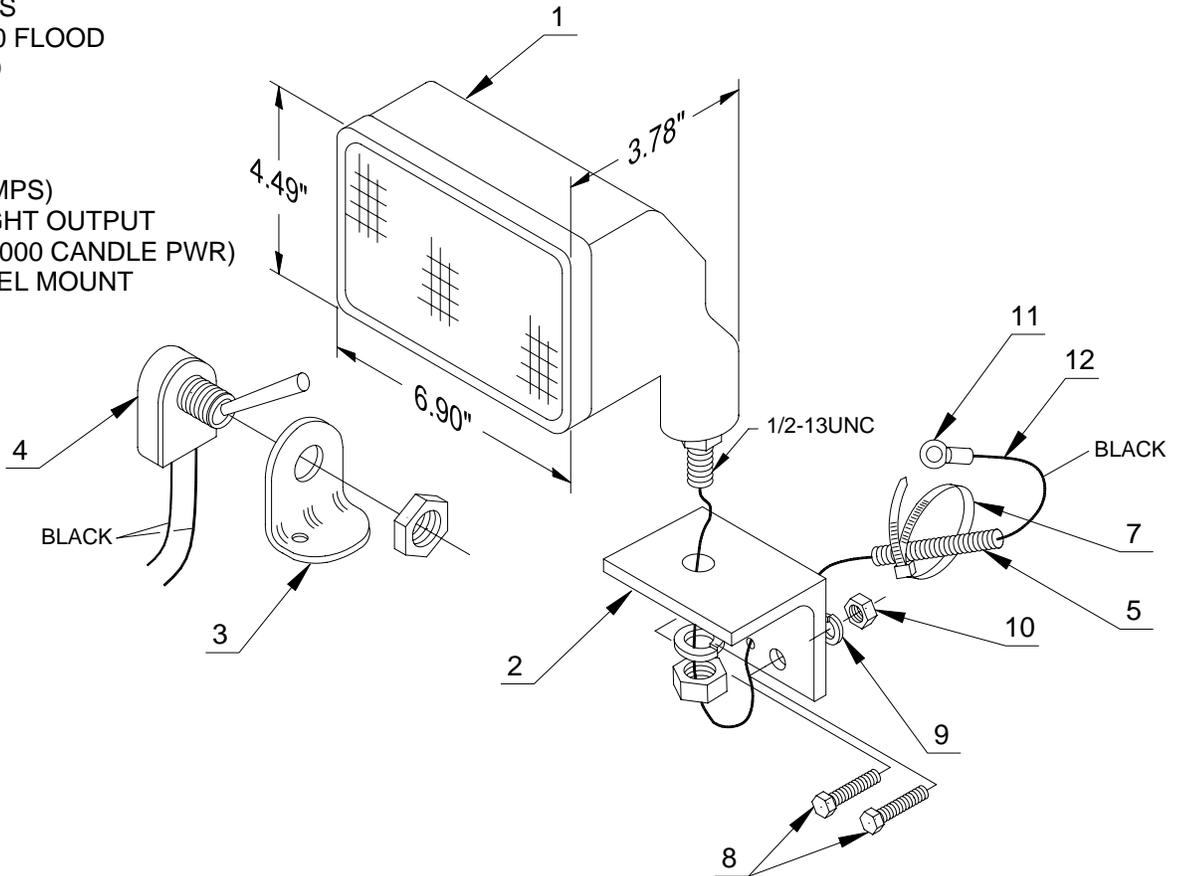
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	750737000	LIGHT, FLOOD
2	1	750878000	BRACKET, MOUNTING FLOOD LAMP
3	1	750877000	BRACKET, MOUNT (TOGGLE SWITCH)
4	1	750739000	SWITCH, TOGGLE (ON-OFF)
5	1 FT	750736000	LOOM, CONVOLUTED (SPRIAL WRAP)
6	1	750738000	STICK-ON, CABLE TIE MOUNT
7	1	750737000	TIE-CABLE
8	2	006200000	SCREW HX HD 1/4-20UNC X 1 1/4 LG
9	2	020200000	WASHER SP LK 1/4 CP
10	2	015900000	NUT HX 1/4-20UNC CP
11	2	000302000	TERMINAL, WIRE (2RB14)
12	1 FT	800590000	WIRE, 16GA 600V 1C BLACK

# QUARTZ FLOOD LIGHT KIT

## TITAN SERIES – P/N: 750825001

**SPECIFICATIONS:**

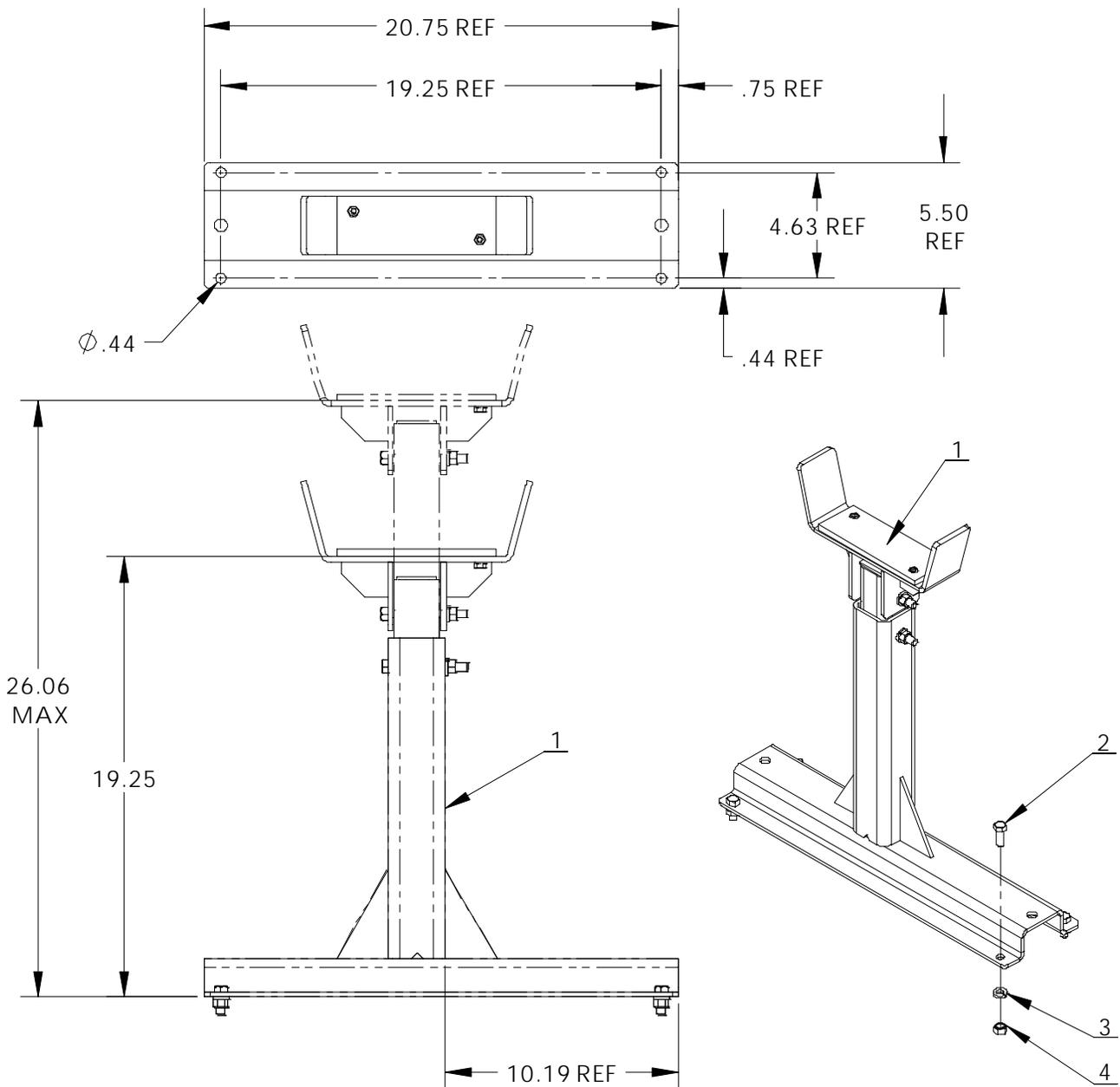
- A. HIGH BULB LIFE, 400 HR. AVERAGE
- B. EASILY REPLACEABLE BEAM
- C. FIELD TESTED UNDER EXTREME CONDITIONS
- D. 80 DEG X 30 FLOOD
- E. TRAPEZOID
- F. SOFT
- G. 12 VOLT
- H. 50 WATT
- I. DRAW (4 AMPS)
- J. HIGHER LIGHT OUTPUT (UP TO 200,000 CANDLE PWR)
- K. EASY SWIVEL MOUNT



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	750026000	LIGHT, SEALED BEAM
2	1	750878000	BRACKET, MOUNTING FLOOD LAMP
3	1	750877000	BRACKET, MOUNT (TOGGLE SWITCH)
4	1	750739000	SWITCH, TOGGLE (ON-OFF)
5	1 FT	750736000	LOOM, CONVOLUTED (SPRIAL WRAP)
6	1	750738000	STICK-ON, CABLE TIE MOUNT
7	1	750737000	TIE-CABLE
8	2	006200000	SCREW HX HD 1/4-20UNC X 1 1/4 LG
9	2	020200000	WASHER SP LK 1/4 CP
10	2	015900000	NUT HX 1/4-20UNC CP
11	2	000302000	TERMINAL, WIRE (2RB14)
12	1 FT	800590000	WIRE, 16GA 600V 1C BLACK

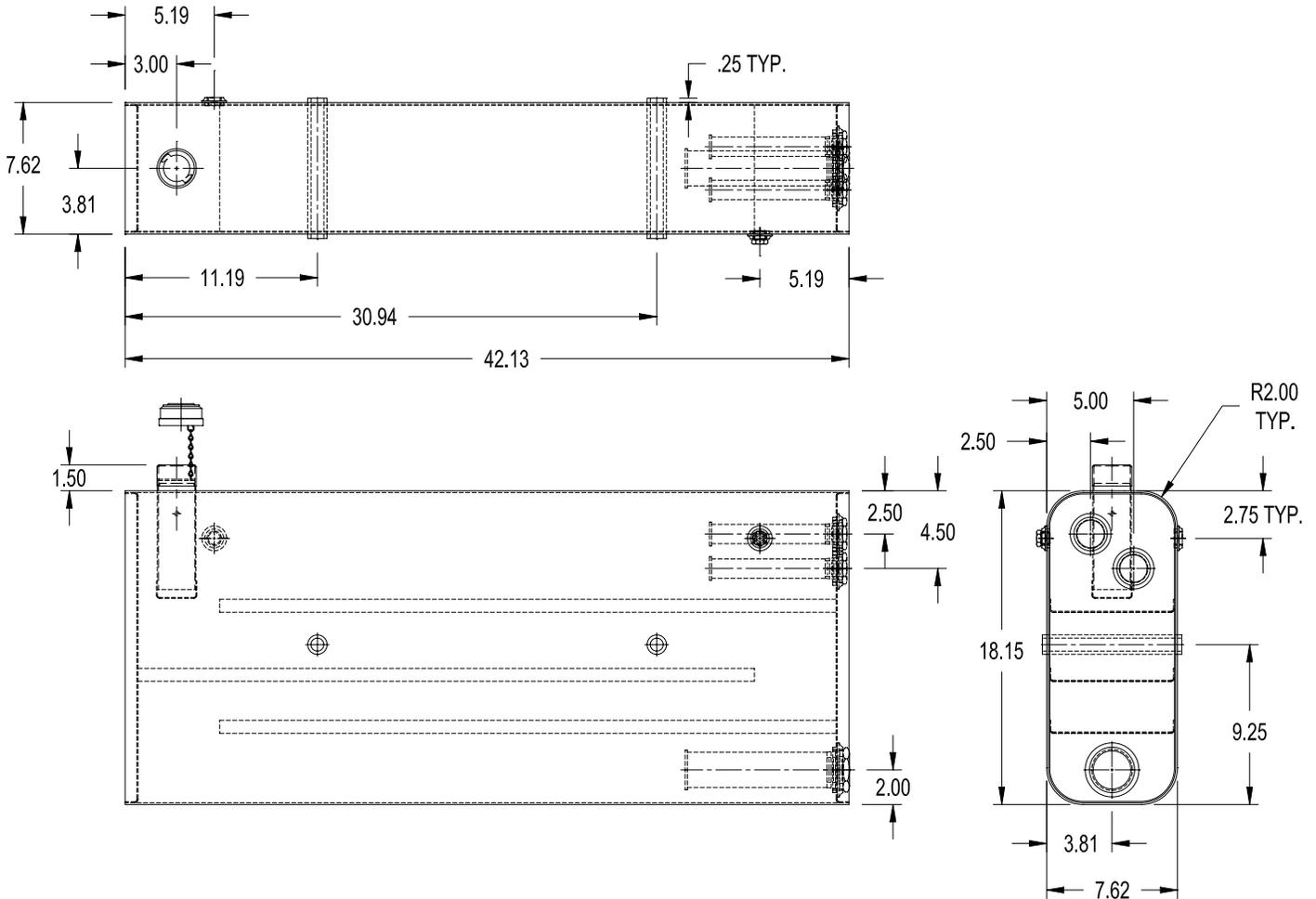
# ***NOTES***

# BOOM SUPPORT TITAN SERIES – P/N: 560455000



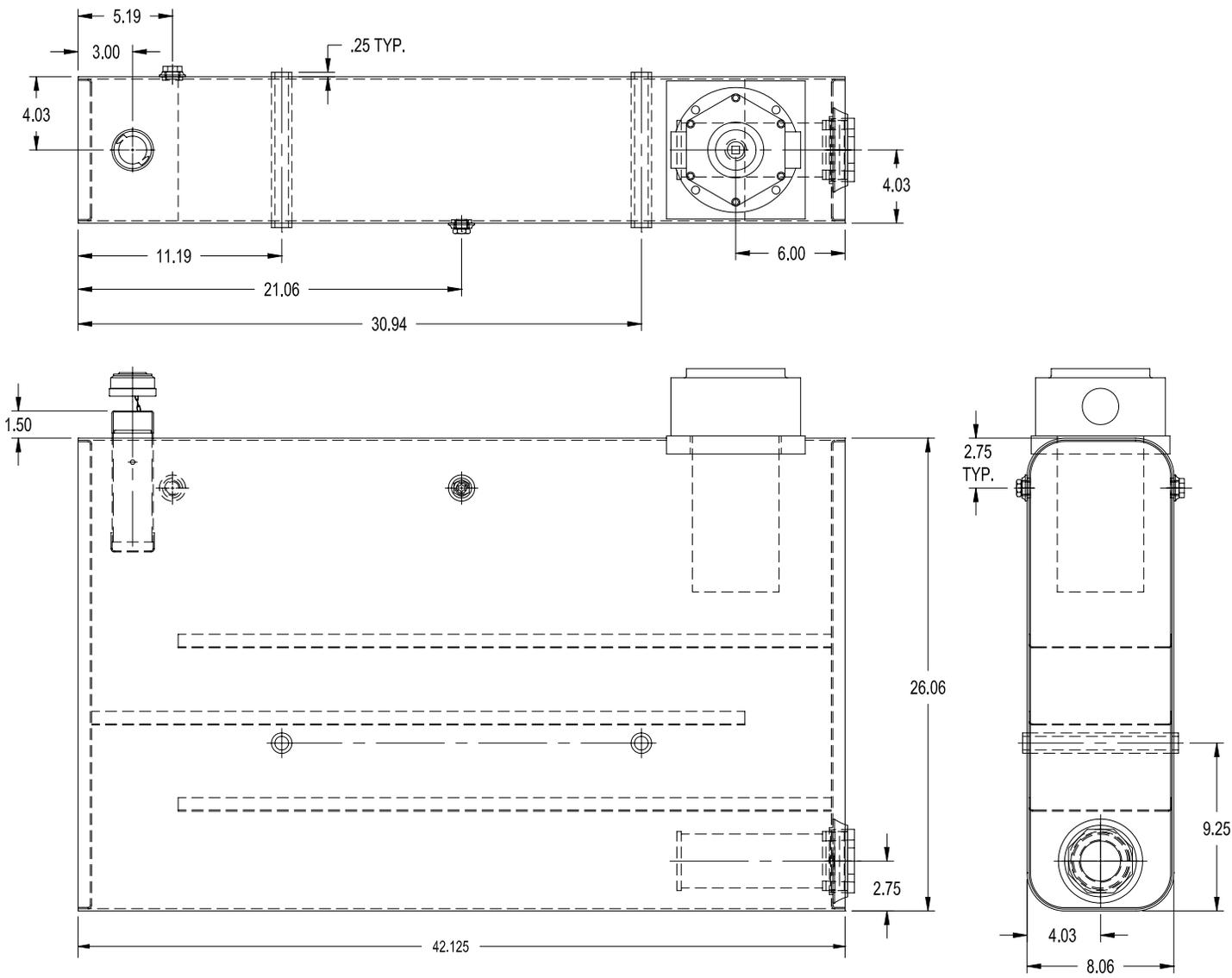
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	560195000	BOOM SUPPORT ASSY
2	4	330371000	SCREW HX HD 3/8-16UNC X 1 LG GR8
3	4	021100000	WASHER SP LK 3/8
4	4	330372000	NUT HX 3/8-16UNC

# BULKHEAD RESERVOIR, 23 GALLON TITAN SERIES – P/N: 738498000



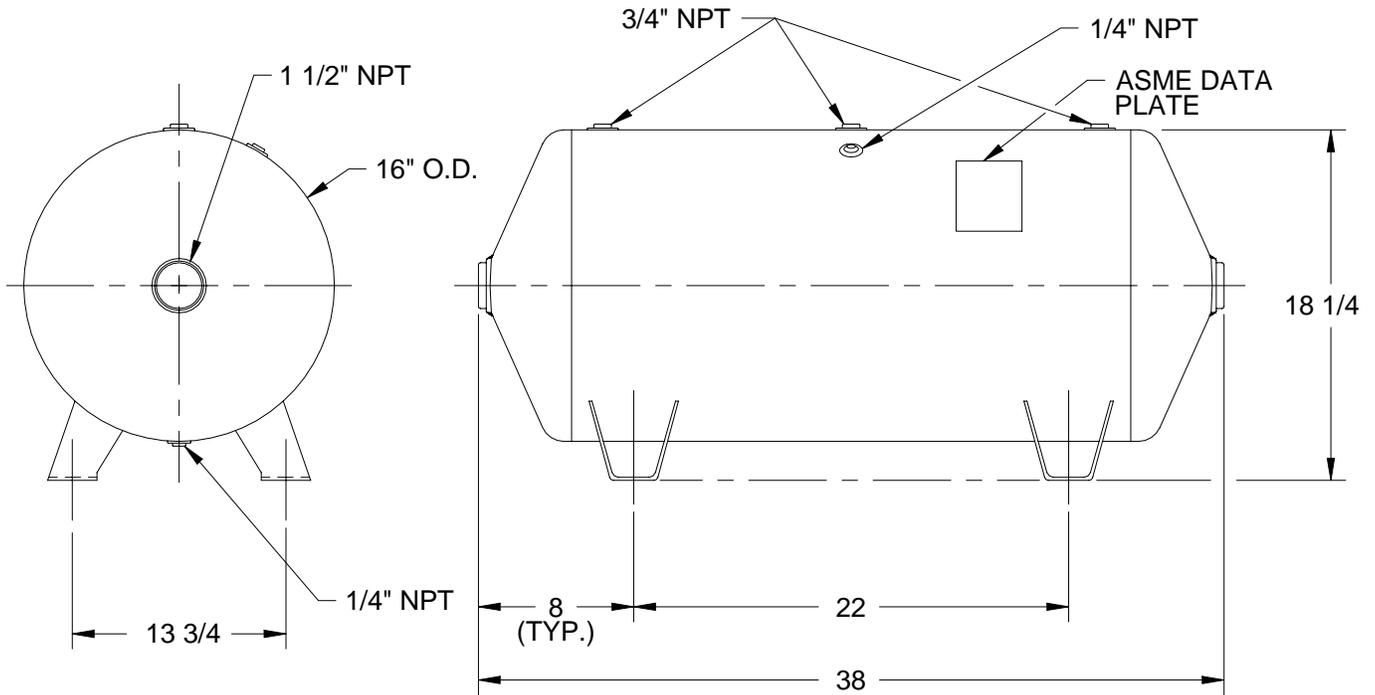
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	725552050	RESERVOIR BLKHD ASSY 23 GAL
2	1	750377000	FILTER & BRACKET W/FITTINGS (IN LINE)
*3	1	750380000	FILTER, MED PRESSURE
4	1	725552051	FILL CAP BREATHER
5	1	751095052	SIGHT GAGE -8 O-RING
*	INCLUDED IN 750377000		

# BULKHEAD RESERVOIR, 36 GALLON TITAN SERIES – P/N: 751095050



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	751095051	FILTER, RESERVOIR
2	1	725552051	FILL CAP BREATHER
3	1	751095052	SIGHT GAGE -8 O-RING

# AIR RECEIVER TANK, 30 GALLON TITAN SERIES – P/N: 750828000

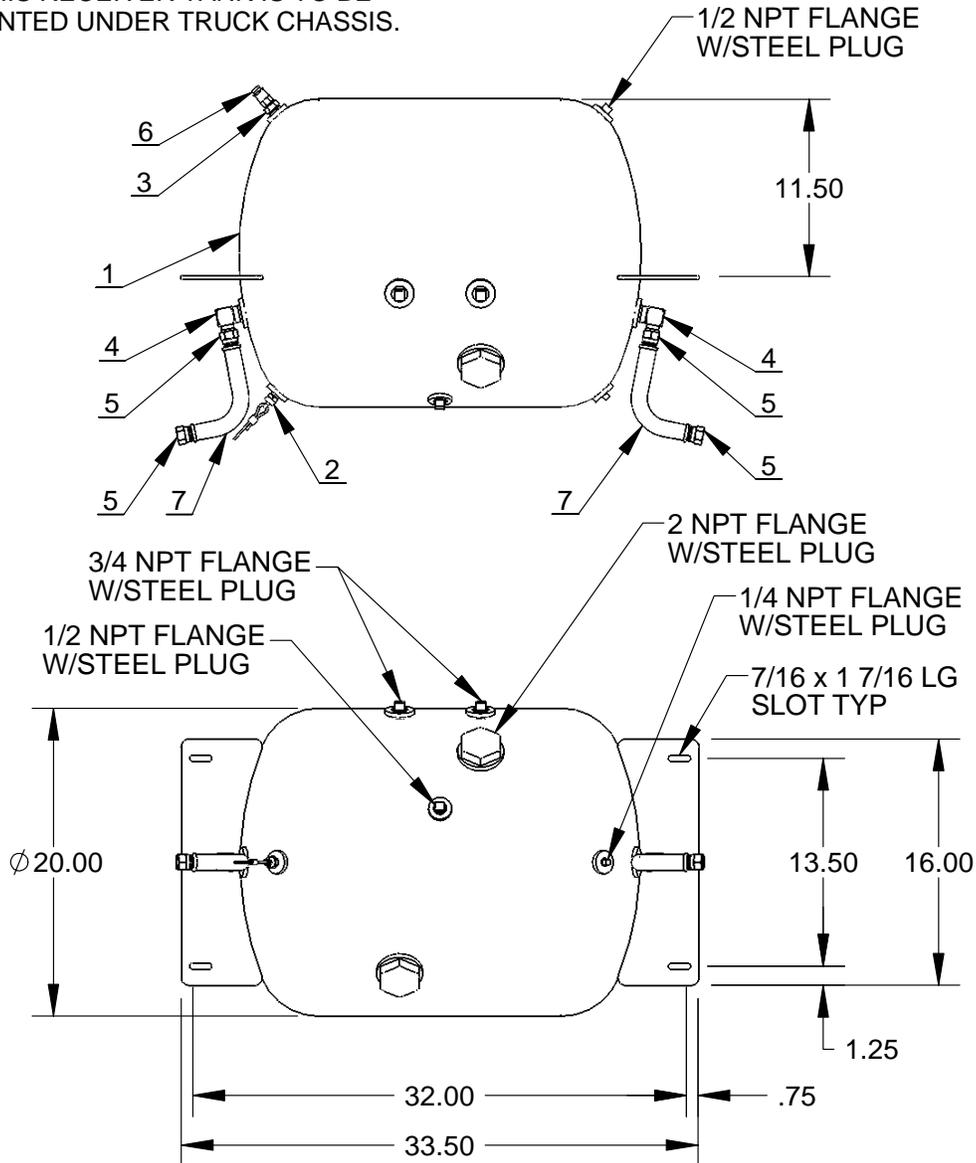


ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	750200000	RECEIVER TANK, 30 GAL
2	2	750423000	REDUCER, PIPE THREAD
3	1	000209000	PLUG, PIPE 1/4
4	3	750426000	PLUG, 3/4 DRY SEAL
5	1	750715000	VALVE, BIB DRAIN
6	2	015600000	NUT, HX #10-32UNF
7	2	750202000	TUBE SUPPORT
8	2	750669000	PLASTIC PLUG, 3/4 NPT
9	1	750670000	KIT FITTINGS

# AIR RECEIVER TANK, 30 GALLON TITAN SERIES – P/N: 751220000

**NOTE:**

1. THIS RECEIVER TANK IS TO BE MOUNTED UNDER TRUCK CHASSIS.

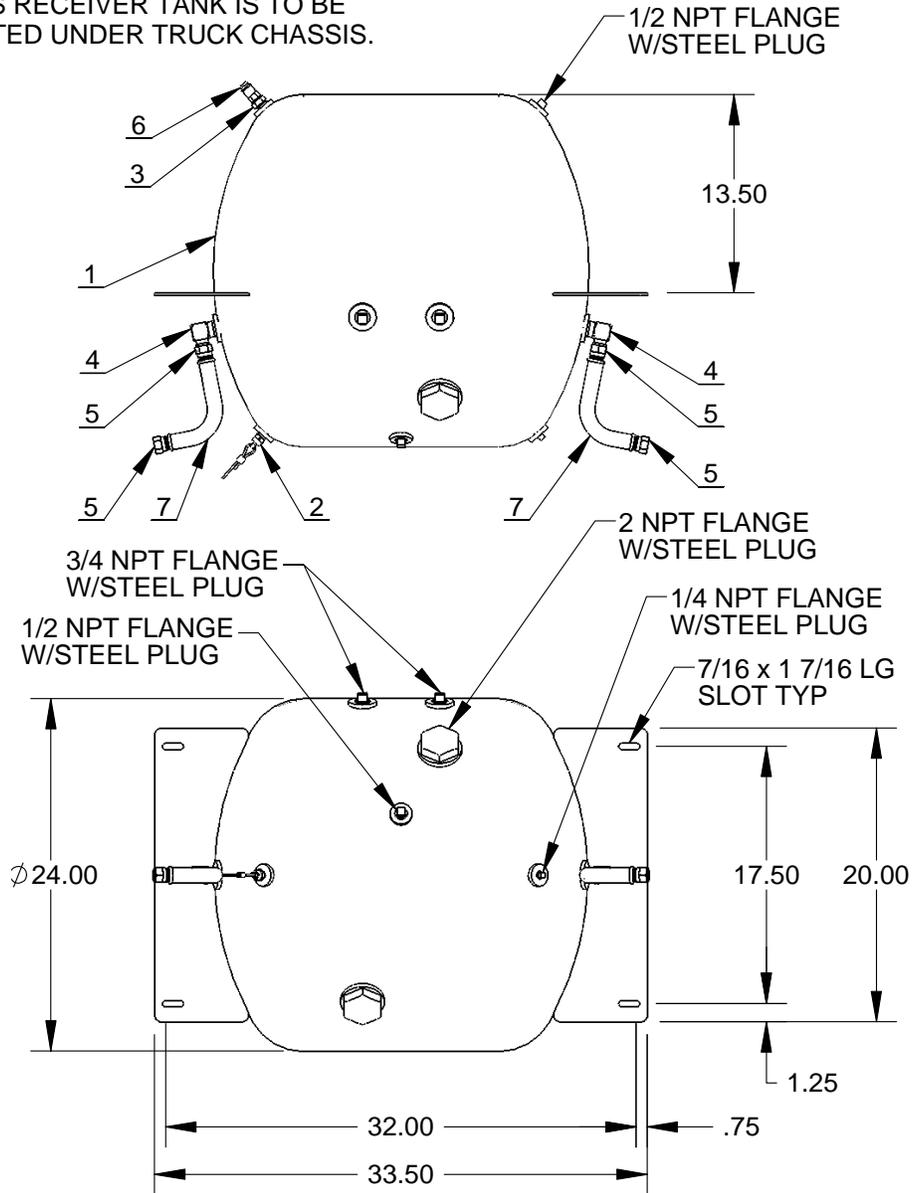


ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	751158000	AIR TANK, 30 GALLON UNDER BODY
2	1	751089000	VALVE, 1/4 NPT DRAIN W/ 60" CABLE
3	1	368193000	REDUCER, -8NPTM / -4NPTF
4	2	360263000	FITTING, 90DEG, 3/4 NPT / 7/8-14 JIC
5	4	750430000	FITTING, PUSH-ON, -10 JIC F
6	1	751220100	VALVE, RELIEF, 200 PSI, 1/4 NPT, ALUM
7	360"	750209000	HOSE, 5/8

# AIR RECEIVER TANK, 42 GALLON TITAN SERIES – P/N: 751085000

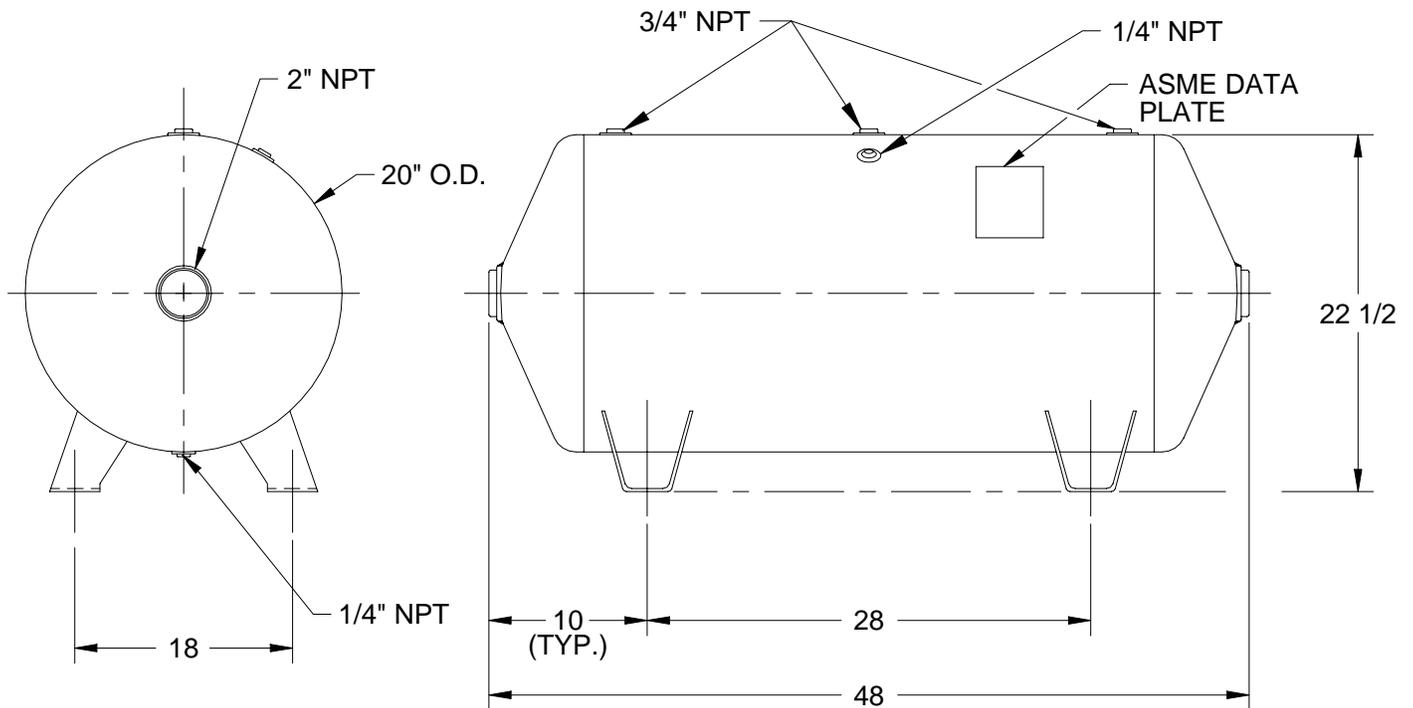
**NOTE:**

1. THIS RECEIVER TANK IS TO BE MOUNTED UNDER TRUCK CHASSIS.



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	751087000	AIR TANK, 42 GALLON UNDER BODY
2	1	751089000	VALVE, 1/4 NPT DRAIN W/ 60" CABLE
3	1	368193000	REDUCER, -8NPTM / -4NPTF
4	2	360263000	FITTING, 90DEG, 3/4 NPT / 7/8-14 JIC
5	4	750430000	FITTING, PUSH-ON, -10 JIC F
6	1	751220100	VALVE, RELIEF, 200 PSI, 1/4 NPT, ALUM
7	360"	750209000	HOSE, 5/8

# AIR RECEIVER TANK, 60 GALLON TITAN SERIES – P/N: 750848000



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	750201000	RECEIVER TANK, 60 GAL
2	1	750205006	GAGE, 0-200 PSI AIR
3	1	750447000	FITTING, ELL GAGE
4	2	750423000	REDUCER, PIPE THREAD
5	1	360263000	ELL, 90 DEG -8 NPT/-14 JIC
6	1	751220100	VALVE, RELIEF, 200 PSI, 1/4 NPT ALUM
7	3	750426000	PLUG, 3/4 DRY SEAL
8	1	750463000	TUBE, ASSEMBLY
9	1	750715000	VALVE, BIB DRAIN
10	1	750428000	ELL, 90 DEG
11	2	002200000	SCREW, RD HD #10-32UNF X 3/4 LG
12	2	750191000	CLAMP, 5/8" ID
13	2	019800000	WASHER, SP LK #10
14	2	015600000	NUT, HX #10-32UNF
15	2	750490000	REDUCER, -32NPT/-24NPT(F)
16	2	750202000	TUBE SUPPORT

# ***NOTES***

# **FIRE EXTINGUISHER**

## **TITAN SERIES – P/N: 750061000**

### **TYPE:**

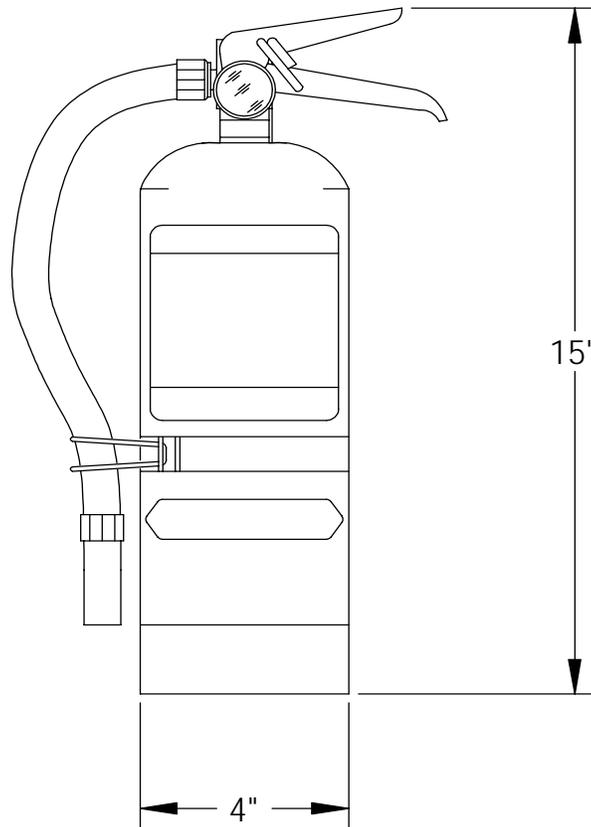
5 LB/LEVER SQUEEZE/HOSE & HORN/PRESSURE GAUGE  
PER NATIONAL FIRE PROTECTION ASSOCIATION STD, NO.10  
"PORTABLE FIRE EXTINGUISHERS."

### **SPECIFICATIONS:**

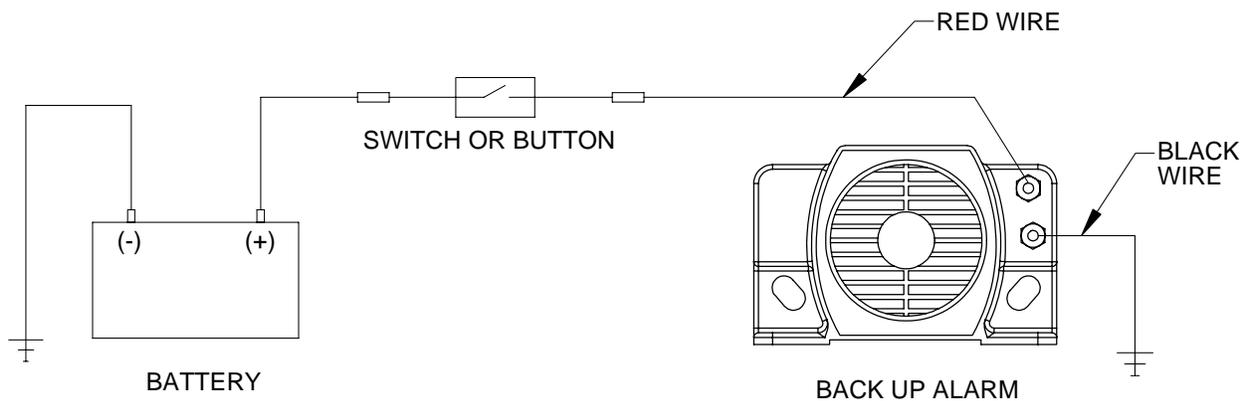
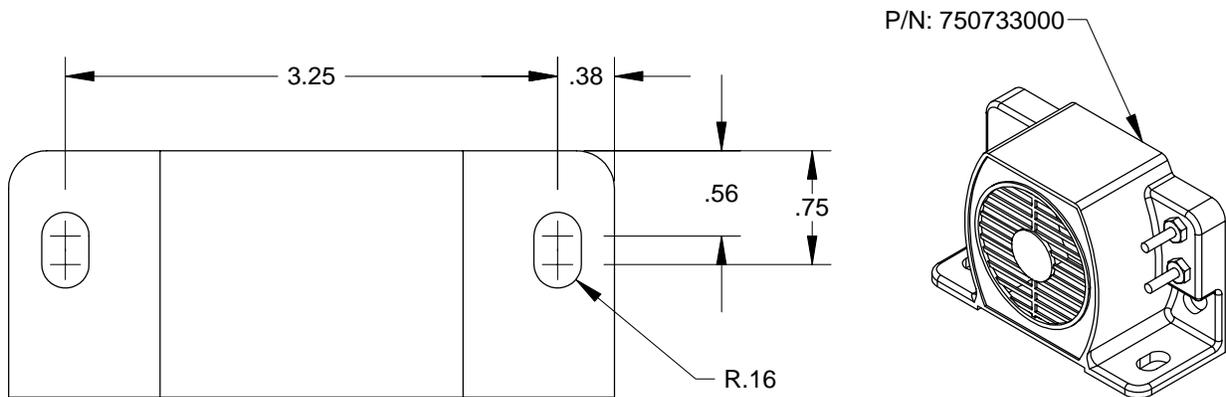
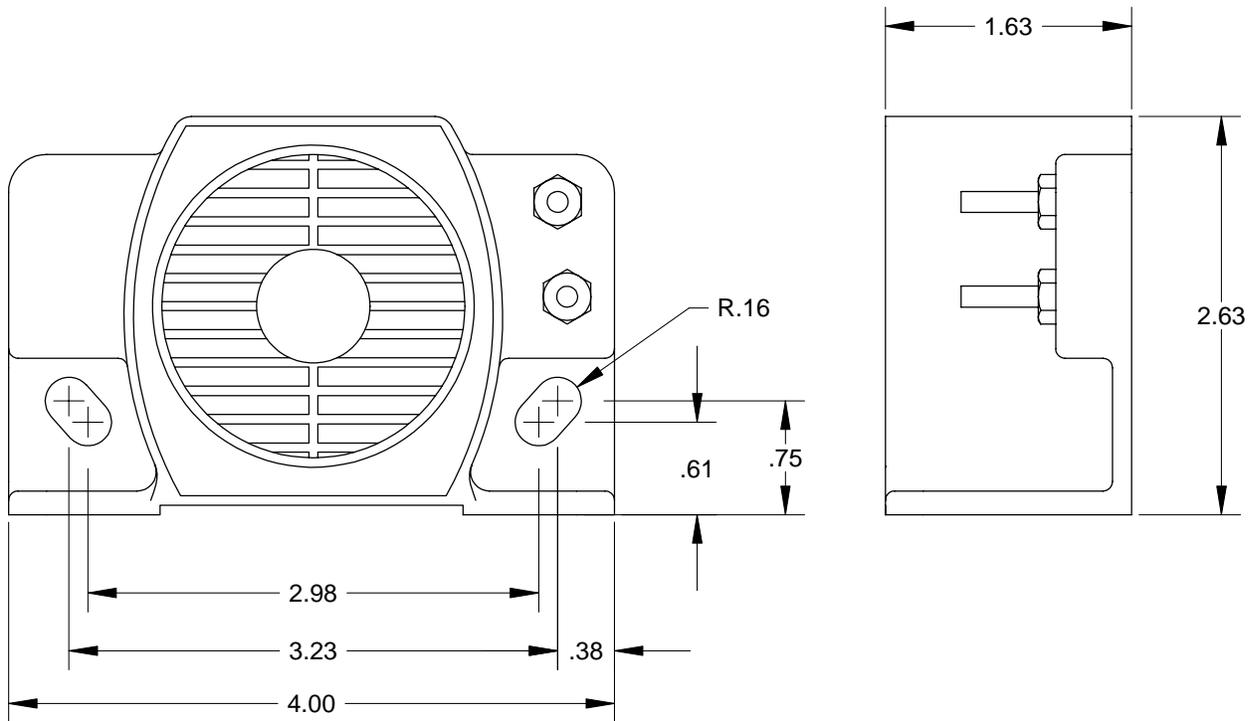
- (A) UNDERWRITERS LABORATORIES (UL LISTED)
- (B) DRY CHEMICAL FIRE EXTINGUISHER CLASSIFICATION  
2-A: 10-B:C. TESTED TO ANSI/UL 711 & ANSI/UL299.
- (C) 5 LB (2.27 KG) MULTI-PURPOSE DRY CHEMICAL  
(AMMONIUM PHOSPHATE BASE)
- (D) SUITABLE FOR USE AT TEMPERATURE FROM  
-65° F TO 120° F (54° C TO 49° C)

### **NOTE:**

EXTINGUISHER TO COME WITH OWNER MANUAL FOR HAND PORTABLE FIRE  
EXTINGUISHERS.



# BACK-UP ALARM TITAN SERIES – P/N: 750681000



# **BACK-UP ALARM**

## **TITAN SERIES – P/N: 750681000**

### DESCRIPTION

BACK-UP SAFETY ALARM MEETS OR EXCEEDS SAE J99 4b

MODEL: TONEMASTER 380 LIGHT DUTY ALARM

SERIES: 900-001

VOLUME: 102 Db

VOLTAGE: 12/24 VDC

PULSE RATE: 90/MINUTE

HEIGHT: 2.63"

WIDTH: 4

DEPTH: 1.63"

WEIGHT: .6 LBS

FREQUENCY: 100 HZ

MOUNTING: (2) BOLTS 1/4-20UNC X 1 1/2 LG  
DRILL (2) .31 DIA HOLES ON 3 1/4 CENTERS

POWER CONNECTION: 2-18", 16 GA. LEADS; RED LEAD TO POSITIVE;  
BLACK LEAD TO GROUND.

### MOUNTING INSTRUCTIONS:

1. DRILL TWO HOLES FOR 1/4" BOLTS 3 1/8" BETWEEN CENTERS.
2. MOUNT ALARM TO VEHICLE OR BRACKET.
3. UNIT MAY BE CONNECTED DIRECTLY INTO THE BACK-UP LIGHT CIRCUIT, IF NOT AVAILABLE, MOUNT A SWITCH SUCH THAT IT OPERATES WHEN THE VEHICLE IS PLACED IN REVERSE. APPLY VOLTAGE 12 THRU 24 VDC FOR MODEL 380 VIA SWITCH TO THE RED LEAD, CONNECT THE BLACK LEAD TO GROUND. ALARM WILL SOUND EACH TIME WHEN VEHICLE PLACED IN REVERSE.

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	750733000	BACK-UP SAFETY ALARM
2	1	750866000	SCREW PN HD #8 X 3/4 LG SELF TAPPING
3	1	000302000	TERMINAL WIRE
4	1	000300000	TERMINAL WIRE
5	3 FT	800562000	WIRE, 18 GA 600V 1C (BLUE)
6	2 FT	800590000	WIRE, 16 GA 600V 1C (BLACK)

# ***NOTES***

# ***BODY PREVENTIVE MAINTENANCE and PAINTING INSTRUCTIONS TITAN SERIES***

## **PREVENTIVE MAINTENANCE RECOMMENDATIONS FOR EXTERIOR SURFACES ON TRUCK SERVICE BODIES**

### **PAINT FINISH PREVENTIVE MAINTENANCE INSTRUCTIONS**

The paint finish on Auto Crane products can become damaged during normal use when chipped, scratched, exposed to harsh chemicals, cleaned with high pressure washers, etc. During periods when the truck is exposed to salt or other corrosive chemicals, the truck should be washed weekly. The paint finish should be inspected when washed or at least monthly. Any exposed bare metal or visible rust should be repaired immediately. The repairs should be performed in the damaged area by following steps 1-5 in the TOP COAT PAINT PREPARATION INSTRUCTIONS section.

### **TOP COAT PAINT PREPARATION INSTRUCTIONS**

The following paint process steps should be used by Auto Crane distributors when top coating bodies that were primed by Auto Crane:

1. Clean all surfaces to be top coated so dirt, oil, and other contaminants do not get embedded in the primer when sanded.
  - a. Wash with a mild detergent in warm water.
  - b. Rinse with clean water.
  - c. Wipe dry with a clean cloth.
2. Scuff sand all primed areas to be top coated with 320 grit sandpaper or an equivalent abrasive. Sand any areas with visible rust to bare metal.
3. Solvent clean all areas to be top coated to remove sanding residue. Wipe dry with a clean cloth to remove any remaining residue.
4. Re-prime the following areas to a minimum 2 mil dry film thickness per the primer manufacturer's instructions. The primer must be compatible with Sherwin Williams' E2W932 epoxy primer.
  - a. All bare metal.
  - b. All exposed corners and narrow edges, such as on doors, door openings, drip rails, and bumpers. This is necessary because excessive primer tends to get removed when sanding corners and narrow edges.
  - c. All areas to be top coated if the body has been stored in an outside environment for more than 3-6 months. This is necessary because more primer tends to get removed when sanding a primed-only body that has been exposed to the sun and outside environment for an extended period.
5. Apply a 2 mil dry film thickness top coat per the manufacturer's instructions within 24 hours of completing steps 1-4. The top coat paint must be compatible with Sherwin-Williams' E2W932 epoxy primer. The final primer and top coat should have approximately a 4 mil dry film thickness.



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## LIMITED WARRANTY 2 YEAR PARTS AND LABOR

Auto Crane will warranty to the consumer for a period of (2) years parts and labor from the date of purchase. Each new Auto Crane unit they sell will be free under normal use and service from defects in material and workmanship. Date of purchase will be honored as the date indicated on the Bill of Sale, which must accompany the Warranty Registration and be on file with Auto Crane. Absent a valid Warranty Registration and appropriate documentation, the original date of manufacture, as indicated by the serial number on the product, will be used to determine the effective date of the 2 year warranty.

The obligation of Auto Crane under this warranty is limited to the replacement or repair of parts that appear to the manufacturer after review and/or inspection to be defective and paid flat rate labor for replacing defective parts. This warranty does not obligate Auto Crane to bear the travel time charges in connection with the replacement or repair of defective parts. Responsibility for customer's claims arising from misapplication, abuse, misuse or alteration of equipment or parts lies with the distributor or user and no warranty obligation is assumed in these circumstances by Auto Crane.

Auto Crane will in no event be liable for any consequential damages or contingent liabilities arising out of the failure of any Auto Crane Product or parts to operate properly.

Auto Crane makes no warranty in respect to component accessories, it being subject to the warranties of their respective manufacturers.

If field service, at the request of the distributor, is rendered and fault is found not to be with Auto Crane's product, the distributor shall pay the time and expense of the field representative.

Claims for service labor or other expenses that have incurred by the buyer without approval or authorization or Auto Crane will not be accepted.

When applying for warranty, claims may be handled by contacting your nearest authorized Auto Crane Distributor. All claims are to be filed in writing on an Auto Crane Warranty Claim Form.

**AUTO CRANE COMPANY IS UNDER NO OBLIGATION TO EXTEND THIS WARRANTY TO ANY CUSTOMER FOR WHICH AN AUTO CRANE DELIVERY REPORT FORM HAS NOT BEEN COMPLETED AND ON FILE WITH AUTO CRANE COMPANY**



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## 5 YEAR LIMITED BODY WARRANTY

### COVERED PRODUCTS:

- \* Auto Crane Service Bodies - no rust-thru guarantee to the first owner/user of record for five (5) years from the date of purchase.
- \* Door Hinges - Guarantee the hinges will not fail to operate or come off the product, to the first owner/user of record for five (5) years from the date of purchase.

### ELIGIBILITY:

- \* Product(s) warranted must be properly maintained and serviced.
- \* The selling distributor must file for the first owner/user the application for warranty by completing the delivery report form enclosed in the Owners Manual within 30 days of the product purchase date. The complete delivery report form must be forwarded to Auto Crane Company. The warranty agreement issued is not transferable.

### EXCLUSIONS:

- \* Warranty applies to the Auto Crane bodies only and excludes all options, modifications and alterations.
- \* Paint required following repairs or replacement of parts under warranty after the first year from the date of delivery.
- \* Product(s) that have been misused or damaged, inclusive of, but not limited to, accidents.
- \* Absent a completed and valid delivery report form, the original date of manufacture will be used as the effective date for the limited warranty.

### SPECIFIC NON-RUST-THRU WARRANTY EXCLUSIONS:

- \* Product(s) that have been used to carry corrosive materials, where such materials result in rust-thru conditions.
- \* Product(s) purchased by the first owner/user in prime paint condition.
- \* Consequential damages including, but not limited to, transportation costs, lost profit and loss of income, as a result of a vehicle being out of service.
- \* Product(s) purchased and used outside the U.S.A. or Canada.

### APPLYING FOR WARRANTY:

- \* Claims may be handled by contacting your nearest authorized Auto Crane Distributor. All claims are to be filed in writing on an Auto Crane Warranty Claim Form.
- \* The Auto Crane Company reserves the sole right to inspect item(s) claimed for warranty and decide the best way to handle any and all claims, including the replacement or repair of the warranted part.
- \* Should the warranted product rust thru, the hinges fail to operate or come off the product, Auto Crane will pay the cost of parts and flat rate labor to repair or replace as necessary the defective component. NOTE: Paint following repair or replacement of a part is exclusive under warranty after the first year from date of delivery.
- \* DEFECTS FROM MANUFACTURING WORKMANSHIP AND/OR MATERIAL NOT SPECIFIED ABOVE WILL BE SUBJECT TO WARRANTY INCLUSIVE OF MATERIALS AND LABOR TO THE FIRST OWNER/USER OF RECORD FOR TWO (2) YEARS FROM THE DATE OF DELIVERY. Exclusions, as well as methods of applying for warranty remain the same as stated in the limited five (5) year warranty covered above.



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## LIMITED WARRANTY 1 YEAR PURCHASED REPLACEMENT PARTS

Auto Crane will warranty to the consumer for a period of (1) year from the date that a new Auto Crane replacement part was purchased from an authorized Auto Crane distributor. Each new Auto Crane part they sell will be free under normal use and service from defects in material and workmanship. Date of purchase will be honored as the date indicated on the Bill of Sale to the consumer.

The obligation of Auto Crane under this warranty does not apply to parts replaced under the limited warranty for a new Auto Crane product. The warranty for parts replaced under the limited warranty of a new Auto Crane product expires when the warranty for that product expires.

The obligation of Auto Crane under this warranty is limited to the replacement or repair of purchased replacement parts that appear to the manufacturer to be defective after review of documentation (Auto Crane Warranty Claim Form, photos, data, etc.) provided by the Auto Crane distributor and/or inspection of parts returned to Auto Crane. This warranty does not obligate Auto Crane to bear labor costs to replace the defective parts or travel time charges in connection with the replacement or repair of defective parts. Responsibility for customer's claims arising from misapplication, abuse, misuse or alteration of equipment or parts lies with the distributor or user and no warranty obligation is assumed in these circumstances by Auto Crane.

Auto Crane will in no event be liable for any consequential damages or contingent liabilities arising out of the failure of any Auto Crane product or parts to operate properly.

Auto Crane makes no warranty in respect to parts for component accessories, it being subject to the warranties of their respective manufacturers.

If field service, at the request of the distributor, is rendered and fault is found not to be with Auto Crane's product, the distributor shall pay the time and expense of the field representative.

Claims for service labor or other expenses that have incurred by the buyer without approval or authorization or Auto Crane will not be accepted.

When applying for warranty, claims may be handled by contacting your nearest authorized Auto Crane **Distributor**. **All claims are to be filed in writing on an Auto Crane Warranty Claim Form.**





