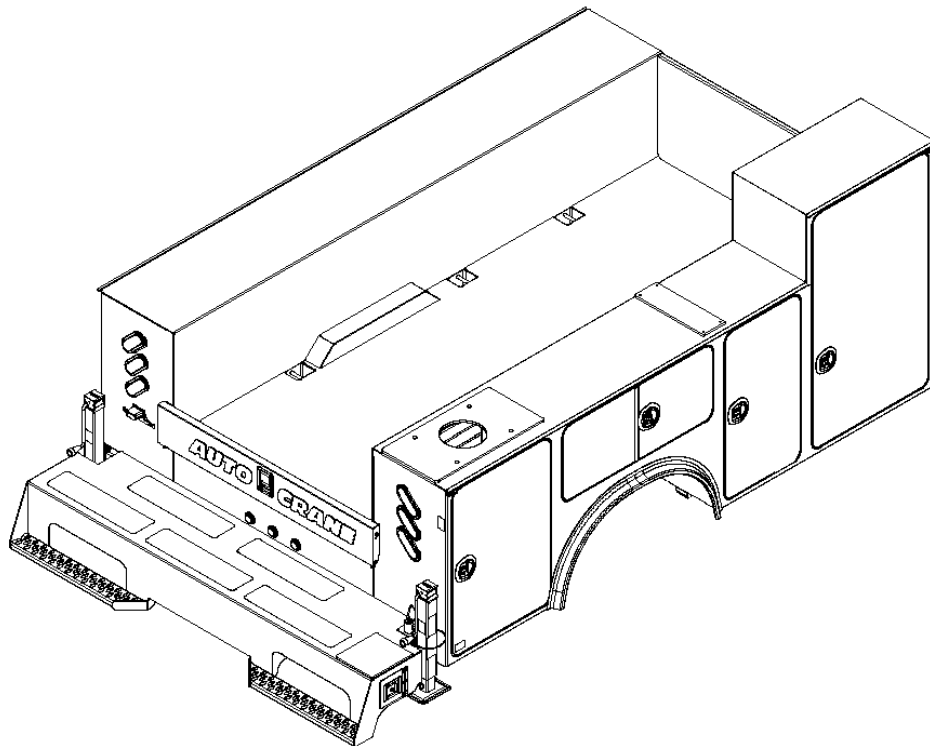




# **TITAN<sup>™</sup> 16**

## **OWNERS MANUAL**



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

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

**Phone 1-800-777-2760**  
**Fax 1-888-848-5445**  
**<http://www.autocrane.com>**





## Auto Crane Warranty Registration

Fax Transmission

To: Warranty Department Fax: 1-888-848-5445  
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 16

## OWNER'S MANUAL REVISION RECORD

| Revision Date | Section(s)<br>Or<br>Page(s) | Description of Change |
|---------------|-----------------------------|-----------------------|
| 4/12/2012     | All                         | New Manual            |
|               |                             |                       |
|               |                             |                       |
|               |                             |                       |
|               |                             |                       |
|               |                             |                       |
|               |                             |                       |
|               |                             |                       |
|               |                             |                       |
|               |                             |                       |
|               |                             |                       |
|               |                             |                       |

### 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**.
2. **Auto Crane Company** reserves the right to update this material without notice or obligation.

## ***NOTES***

# WARNINGS

**WARNING!** Federal law (49 CFR 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 state 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 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 (3.05m) of electric power lines carrying up to 50,000 volts. One-foot additional clearance is required for every additional 30,000 volts or less. **SEE DANGER DECAL (P/N 040529)** in this Owner's Manual.

**WARNING!** Failure to correctly plumb and wire crane can cause inadvertent operation and damage to crane and/or personnel!

**WARNING!** Vehicle must meet Federal law (49 CFR 393) which states the required parts and accessories necessary for safe operation. This includes lighting, reflectors, etc...

**WARNING!** Federal law (49 CFR 568) requires each final-stage manufacturer to complete the vehicle in such a manner that it conforms to the standards in effect on the date of manufacture of the incomplete vehicle, the date of final completion, or a date between those two dates. This requirement shall, however, be superseded by any conflicting provisions of a standard that applies by its terms to vehicles manufactured in two or more stage. Each final-stage manufacturer shall affix a label to the completed vehicle in accordance with 49 CFR 567.5.

**READ THIS PAGE**



# **TABLE OF CONTENTS**

## **TITAN 16 BODY**

|                                                   |        |
|---------------------------------------------------|--------|
| TITAN BODY INTRODUCTION                           | 1-1.0  |
| GENERAL DIMENSIONS                                | 1-3.0  |
| MOUNTING AND INSTALLATION                         | 2-1.0  |
| VEHICLE OPERATION AND PREPARATIONS                | 3-1.0  |
| TITAN 38 DOOR                                     | 4-1.0  |
| TITAN 38 TAILGATE                                 | 4-2.0  |
| OUTRIGGER ASSY, 8" BUMPER RIGHT SIDE DIMENSIONAL  | 5-1.0  |
| OUTRIGGER ASSY, 8" BUMPER LEFT SIDE DIMENSIONAL   | 5-2.0  |
| OUTRIGGER ASSY, 12" BUMPER RIGHT SIDE DIMENSIONAL | 5-3.0  |
| OUTRIGGER ASSY, 12" BUMPER LEFT SIDE DIMENSIONAL  | 5-4.0  |
| OUTRIGGER ASSY, 20" BUMPER RIGHT SIDE DIMENSIONAL | 5-5.0  |
| SERVICE BUMPER WELDMENT DIMENSIONALS              | 5-6.0  |
| OUTRIGGER SHIP KIT                                | 5-8.0  |
| OUTRIGGER INSTALLATION                            | 5-9.0  |
| OUTRIGGER ASSY, 8" BUMPER                         | 5-10.0 |
| OUTRIGGER ASSY, 12" BUMPER                        | 5-12.0 |
| OUTRIGGER ASSY, 20" BUMPER                        | 5-14.0 |
| RECEIVER HITCH INSTALLATION                       | 6-1.0  |
| FENDER-ET                                         | 7-1.0  |
| MASTER LOCK SYSTEM                                | 8-1.0  |
| SHELF LOCATION                                    | 9-1.0  |
| OXY/ACET ASSY                                     | 10-1.0 |
| DROP WELL                                         | 10-2.0 |
| ROPE LIGHT KIT                                    | 11-1.0 |
| COMPARTMENT LIGHT KIT                             | 11-4.0 |
| FLOOD LIGHT KIT                                   | 12-1.0 |
| BOOM SUPPORT                                      | 13-1.0 |
| BULKHEAD RESERVOIR                                | 14-1.0 |
| FIRE EXTINGUISHER                                 | 15-1.0 |
| BACK UP ALARM                                     | 16-1.0 |
| BODY PREVENTIVE MAINTENANCE                       | 17-1.0 |

# **TITAN BODY INTRODUCTION**

Auto Crane products are designed to provide many years of safe, trouble-free, dependable service when properly used and maintained.

To assist you in obtaining the best service from your crane and to avoid untimely crane and/or vehicle failure, this manual provides the following operating and service instructions. It is specifically recommended that all operating and service personnel consider this manual as mandatory material for reading and study before operating or servicing Auto Crane products. It is highly recommended that crane owners, equipment managers, and supervisors also read this manual.

For your convenience the overall dimensions of the Titan are included on the General Dimension Drawing. Center of gravity and door openings are also shown.

Remember, the body adds weight to the vehicle. Adding weight may change the driving and riding characteristics of the vehicle unless the appropriate overload spring(s) are installed on the truck. The payload of the vehicle is reduced by the weight of the body. The operator should exercise care when loading the vehicle. Distributing the payload on the vehicle evenly will greatly improve the driving and riding characteristics of the vehicle.

***Auto Crane Company issues a limited warranty certificate with each unit sold. See last page for warranty.***

It has always been Auto Crane Company policy to handle all warranty claims we receive as promptly as possible. If a warranty claim involves discrepant material or workmanship, Auto Crane will take immediate corrective action. It is understandable that Auto Crane Company cannot assume responsibility of liability when it is obvious that our products have been abused, misused, overloaded or otherwise damaged by inexperienced persons trying to operate the equipment without reading the manual.

***Auto Crane will not assume responsibility or liability for any modifications or changes made to unit, or installation of component parts without authorization.***

Auto Crane maintains a strong distributor network and a knowledgeable Customer Service Department. In most cases, an equipment problem is solved via phone conversation with our customer service department. The customer service department also has the ability to bring a local distributor, a regional sales manager, or a factory serviceman into the solution of an equipment problem.

If, through no fault of Auto Crane Company, it is necessary to send an experienced factory serviceman on a field service call the rates stated in the Auto Crane Distributor's Flat Rate Manual will apply.

Auto Crane Company's extensive Research and Development Program allow our customers to use the best equipment on the market. Our Engineering Staff and our knowledgeable sales people are always available to our customers in solving crane and winch-type application problems. When in doubt, call the Auto Crane factory.

***Note: This manual should remain with the body at all times.***

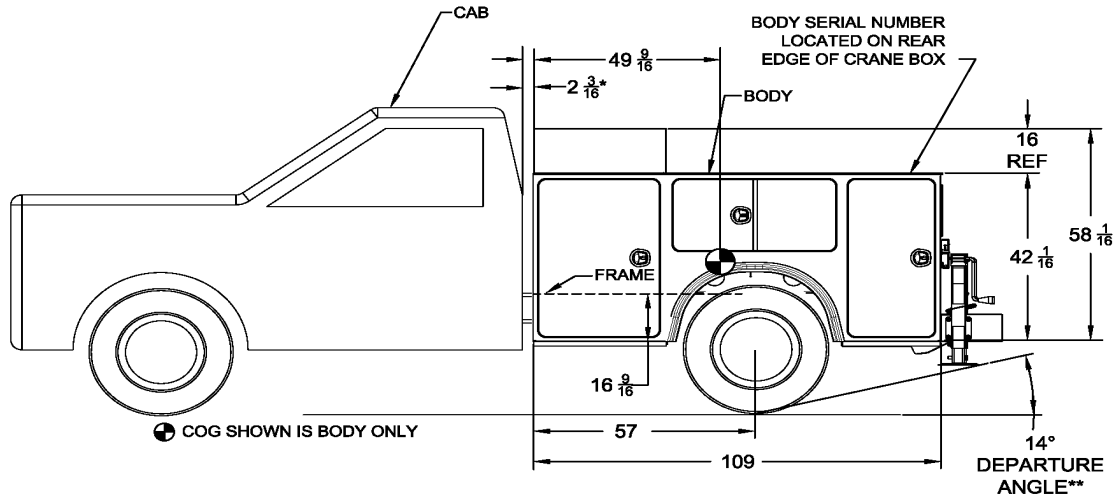
## **DISTRIBUTOR ASSISTANCE:**

Should you require any assistance not given in this manual, we recommend that you consult your nearest Auto Crane Distributor. Our distributors sell authorized parts and have service departments that can solve almost any needed repair. This manual does not cover all maintenance, operating, or repair instructions pertinent to all possible situations. **If you require additional information, please contact the Auto Crane Company.**

The information contained in the manual is in effect at the time of this printing. Auto Crane Company reserves the right to update this material without notice or obligation.

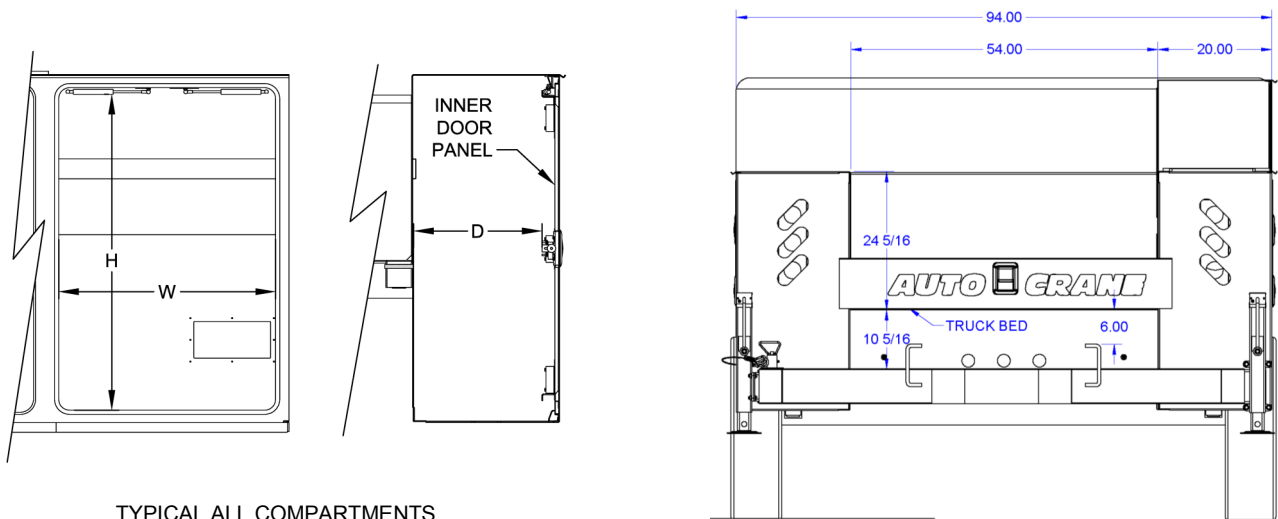
# TITAN 16 / 60CA

## GENERAL DIMENSIONS



\* CHECK CHASSIS BODY BUILDER BOOK FOR REQUIRED GAP BETWEEN BODY & CHASSIS

\*\*DEPARTURE ANGLE SHOWN FOR REFERENCE ONLY. ANGLE WILL VARY DEPENDING ON CHASSIS.



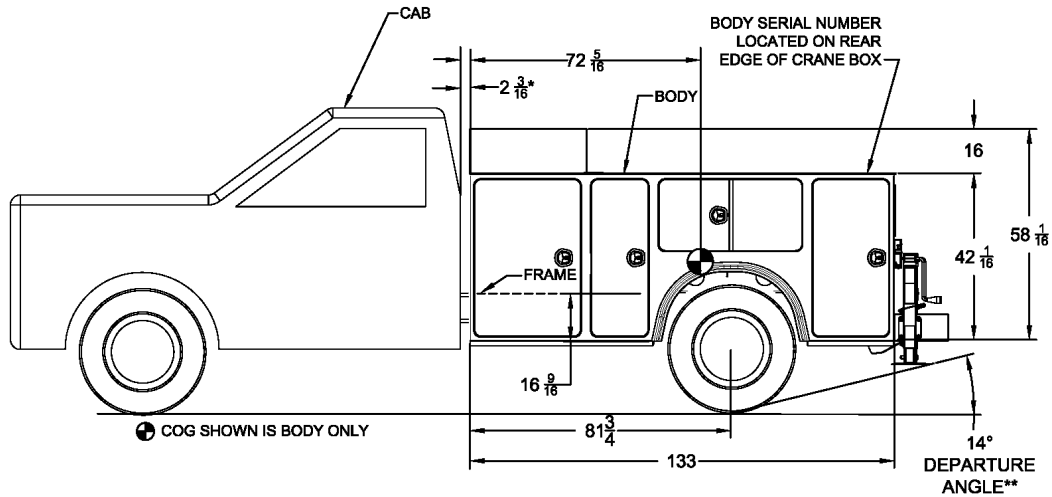
| TITAN 16 60CA                       |           |                    |           |              |
|-------------------------------------|-----------|--------------------|-----------|--------------|
| DOOR OPENING                        | WIDTH (W) | HEIGHT (H)         | DEPTH (D) | VOL. CU. FT. |
| SIZES/DEPTH                         |           |                    |           |              |
| FRONT STD.                          | 34 5/8    | 41 7/8             | 19 7/8    | 16.68        |
| FRONT TALL                          | 34 5/8    | 57 7/8             | 19 7/8    | 23.02        |
| HORIZONTAL                          | 44        | 20 5/8             | 19 7/8    | 10.44        |
| REAR                                | 29 15/16  | 41 7/8             | 19 7/8    | 14.42        |
| INSIDE COMPARTMENT SIZES (STD)      |           | TOTAL BODY CU. FT. |           | 83.07        |
| INSIDE COMPARTMENT SIZES (TALL)     |           | TOTAL BODY CU. FT. |           | 89.41        |
| INSIDE COMPARTMENT SIZES (DBL TALL) |           | TOTAL BODY CU. FT. |           | 95.76        |
|                                     |           |                    | WEIGHT    | 1951 LBS     |

\*\*\* REAR COMPARTMENT DIMENSIONS/VOLUME ARE FOR NON CRANE BOX ONLY

^ VOLUME IS TAKEN FROM WALL TO WALL DIMENSIONS **NOT DOOR OPENING SIZES**

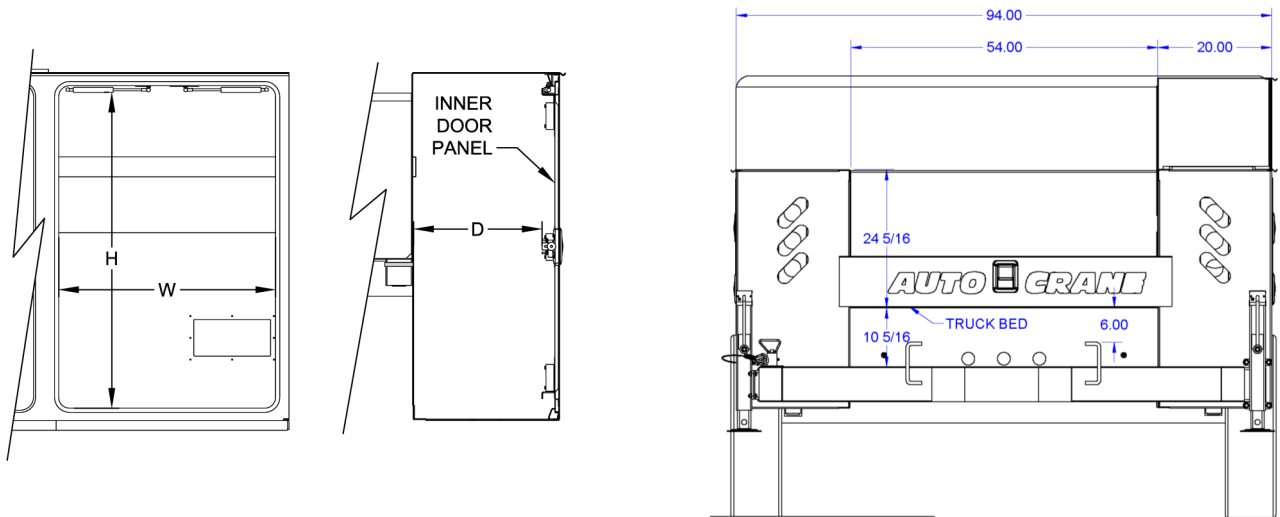
# TITAN 16 / 84CA

## GENERAL DIMENSIONS



\* STANDARD GAP USING 84CA BODY. CHECK CHASSIS BODY BUILDER BOOK FOR REQUIRED GAP BETWEEN BODY & CHASSIS

\*\*DEPARTURE ANGLE SHOWN FOR REFERENCE ONLY. ANGLE WILL VARY DEPENDING ON CHASSIS.



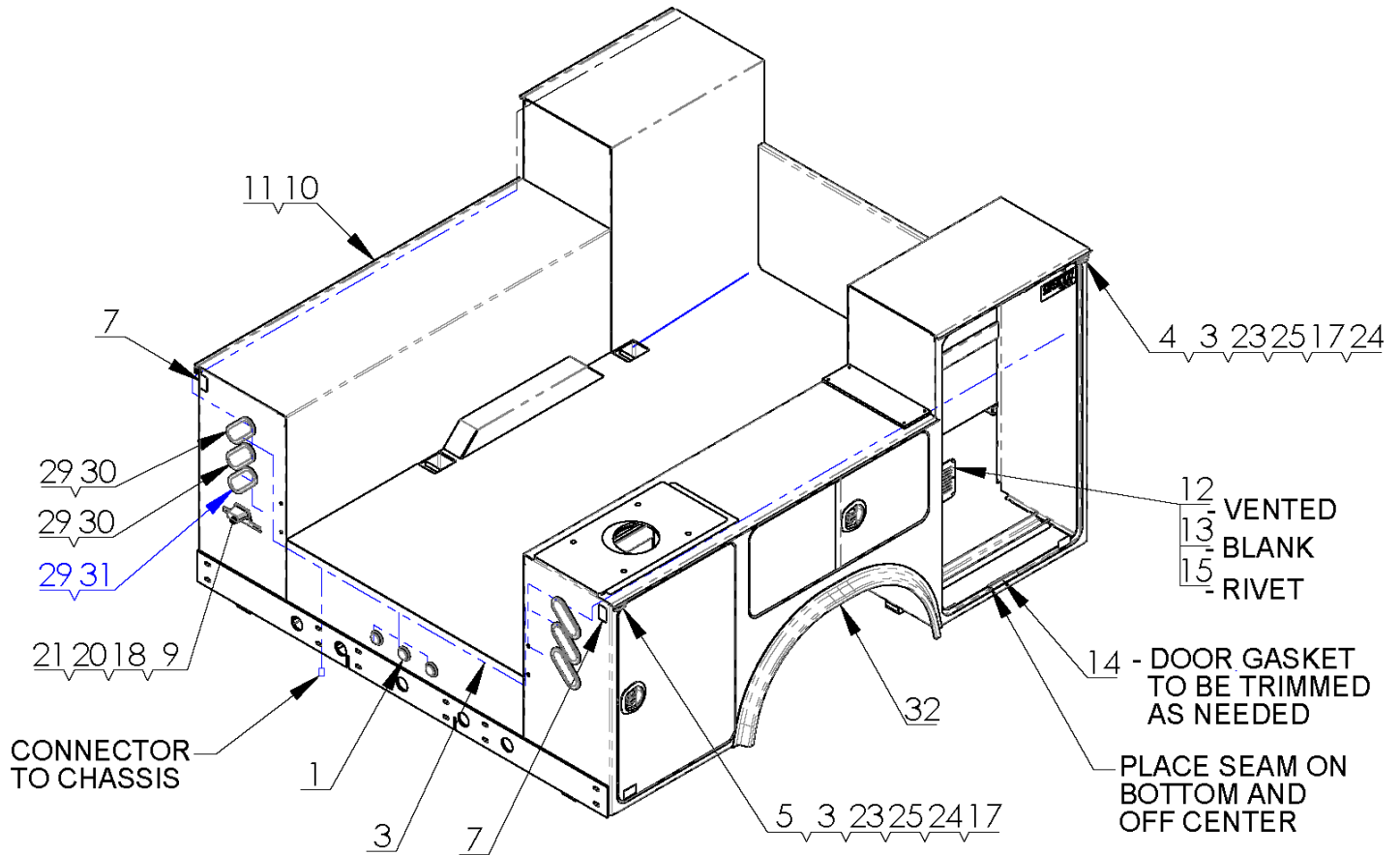
| TITAN 16 84CA                   |                                  |                                |                                |              |
|---------------------------------|----------------------------------|--------------------------------|--------------------------------|--------------|
| DOOR OPENING                    | WIDTH (W)                        | HEIGHT (H)                     | DEPTH (D)                      | VOL. CU. FT. |
| SIZES/DEPTH                     |                                  |                                |                                |              |
| FRONT STD.                      | 34 <sup>5</sup> / <sub>8</sub>   | 41 <sup>7</sup> / <sub>8</sub> | 19 <sup>7</sup> / <sub>8</sub> | 16.68        |
| FRONT TALL                      | 34 <sup>5</sup> / <sub>8</sub>   | 57 <sup>7</sup> / <sub>8</sub> | 19 <sup>7</sup> / <sub>8</sub> | 23.02        |
| MID                             | 23 <sup>3</sup> / <sub>4</sub>   | 41 <sup>7</sup> / <sub>8</sub> | 19 <sup>7</sup> / <sub>8</sub> | 11.44        |
| HORIZONTAL                      | 44                               | 20 <sup>5</sup> / <sub>8</sub> | 19 <sup>7</sup> / <sub>8</sub> | 10.44        |
| REAR                            | 29 <sup>15</sup> / <sub>16</sub> | 41 <sup>7</sup> / <sub>8</sub> | 19 <sup>7</sup> / <sub>8</sub> | 14.42        |
| INSIDE COMPARTMENT SIZES (STD)  |                                  | TOTAL BODY CU. FT.             |                                | 105.94       |
| INSIDE COMPARTMENT SIZES (TALL) |                                  | TOTAL BODY CU. FT.             |                                | 112.29       |
| INSIDE COMPARTMENT SIZES (TALL) |                                  | TOTAL BODY CU. FT.             |                                | 118.64       |
|                                 |                                  |                                | <b>WEIGHT</b>                  | 2277 LBS     |

\*\*\* REAR COMPARTMENT DIMENSIONS/VOLUME ARE FOR NON CRANE BOX ONLY

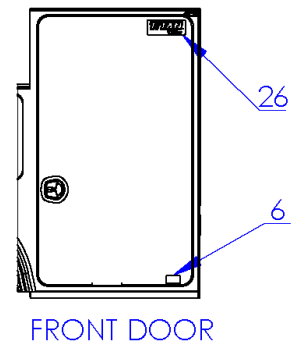
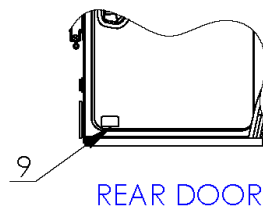
^ VOLUME IS TAKEN FROM WALL TO WALL DIMENSIONS **NOT DOOR OPENING SIZES**

# TITAN 16 MOUNTING AND INSTALLATION

Check to make sure the following items are with your Titan body. If components are missing, contact AutoCrane Customer Service Department.



NOTE: APPLY ATV SEALANT TO ONE END OF DOOR GASKET. PRESS BOTH ENDS TOGETHER AFTER INSTALLING. SMEAR ANY EXCESS SEALANT AROUND THE SEAM WHEN COMPLETE.



ITEMS LISTED ON THE FOLLOWING PAGE ARE INCLUDED IN THE TITAN 16 BODY SHIP KIT.

P/N 715328010—TITAN 16 CA SHIPKIT

# TITAN 16

## MOUNTING AND INSTALLATION

| ITEM NO. | QTY   | PART NUMBER | DESCRIPTION                            |
|----------|-------|-------------|----------------------------------------|
| 1        | 3     | 560105000   | LIGHT MARKER LED 2"                    |
| 2        | 1     | 560106001   | HARNESS, BODY WIRING W/ACCESS.         |
| 3        | 4     | 560449000   | BRACKET MOUNTING                       |
| 4        | 2     | 560450000   | CLEARANCE MARKER AMBER                 |
| 5        | 2     | 560451000   | CLEARANCE MARKER RED                   |
| 6        | 2     | 560452000   | REFLECTOR AMBER                        |
| 7        | 4     | 560453000   | REFLECTOR RED                          |
| 8        | 2     | 750732000   | ROCK GUARD                             |
| 9        | 1     | 750980000   | LAMP, LICENCE W/BRACKET                |
| 10       | 12    | 750737000   | TIE WRAP PUSH-IN                       |
| 11       | 12    | 750738000   | STICK-ON, CABLE TIE MOUNT              |
| 12       | 1     | 752221000   | PANEL LOUVER                           |
| 13       | 2     | 752222000   | PANEL BLANK F/ MID VENT OPENING        |
| 14       | 1     | 715041000   | TITAN SC DOOR GASKET                   |
| 15       | 16    | 754028000   | RIVET POP 3/16 DIA X 1/4 - 3/8 GRIP SS |
| 16       | 32 in | 750736000   | LOOM, CONVOLUTED, 7/16 ID              |
| 17       | 4     | 560540000   | GROMMET, NYLON                         |
| 18       | 2     | 002609000   | SCREW RD HD #10-32UNF X 5/8LG          |
| 19       | 6     | 020200000   | WASHER SP LK 1/4                       |
| 20       | 2     | 019900000   | WASHER FL #10                          |
| 21       | 2     | 015800000   | NUT HX NYLK #10-32UNF GR3 ZP           |
| 22       | 6     | 005901000   | SCREW HX HD 1/4-20UNC X 1/2 LG         |
| 23       | 8     | 006020000   | SCREW PN HD #6-32UNC X 1LG             |
| 24       | 8     | 015400000   | NUT HX #6-32UNC                        |
| 25       | 8     | 019600000   | WASHER SP LK #6                        |
| 26       | 2     | 560510000   | DECAL "TITAN"                          |
| 27       | 1     | 715900000   | TITAN 16 OWNER'S MANUAL                |
| 28       | 2     | 715308020   | TITAN 16 FUEL LINE COVER               |
| 29       | 6     | 739408005   | GROMMET, LIGHT OVAL                    |
| 30       | 4     | 739408003   | LIGHT, STOP/TURN/TAIL OVAL             |
| 31       | 2     | 759056010   | LIGHT, BACK-UP OVAL                    |
| 32       | 1     | 738597001   | FENDERETTE INSTL KIT TITAN 38          |
| 33       | 1     | 715328001   | TITAN 16 OWNERS MANUAL                 |

# TITAN 16

## MOUNTING AND INSTALLATION

### !! WARNINGS !!

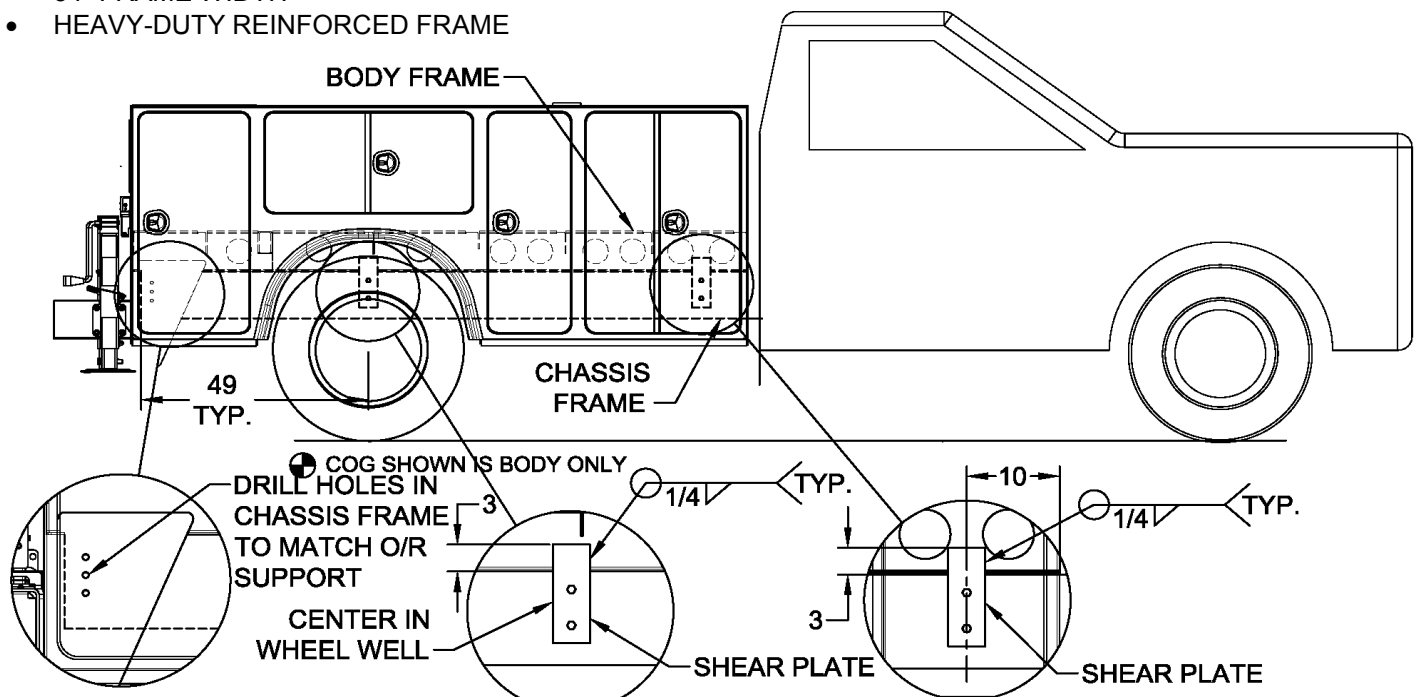
DO NOT WELD TO TRUCK FRAME. REFER TO BODY-BUILDERS MANUAL FOR FUTURE INFORMATION

INSTALLATION INSTRUCTIONS BELOW ARE COMMON MOUNTING PRACTICES, ALWAYS REFER TO CHASSIS BODY-BUILDERS MANUAL FOR ACCEPTABLE MOUNTING OPTIONS

CUTTING AFTER-FRAME MAY BE REQUIRED. REFER TO CHASSIS BODY-BUILDERS MANUAL FOR PROPER CUTTING PROCEDURE.

#### MINIMUM CHASSIS REQUIREMENTS

- 20,500 LBS GVWR
- 34" FRAME WIDTH
- HEAVY-DUTY REINFORCED FRAME



ALL DIMENSIONS SHOWN ARE IN INCHES.

#### MOUNTING INSTRUCTIONS:

AVAILABLE MOUNTING KIT—560580000 INCLUDES HARDWARE & SHEAR PLATES

1. Pick up body using a 4-point choke chain rated for the body weight shown in Gen. Dimension page. Use the tie down locations in bed for lifting points.

2. Center body along the width of the chassis and center the wheel well with the tires.

**NOTE: MAKE SURE YOU HAVE ENOUGH CLEARANCE BETWEEN BODY AND CHASSIS CAB PER THE MANUFACTURERS REQUIREMENTS.**

3. Locate the shear plates as shown in the above diagram. Drill (2)  $21/32\phi$  holes into each shear plate and chassis frame.

**NOTE: LOCATE HOLE FOR BOLT SO THAT THE BOLT, WASHER, AND NUT WILL NOT INTERFERE WITH ANY CHASSIS COMPONENTS. LOCATIONS OF SHEAR PLATES SHOWN ABOVE ARE PREFERRED LOCATIONS. THEY MAY NEED TO BE MOVED TO ACCOMMODATE COMPONENTS ON THE CHASSIS RAILS.**

# **TITAN 16**

## **MOUNTING AND INSTALLATION**

4. Using the pre-drilled holes in the outrigger support, drill (3)21/32"Ø holes into chassis rail per side.
5. Weld shear plates to the body frame.

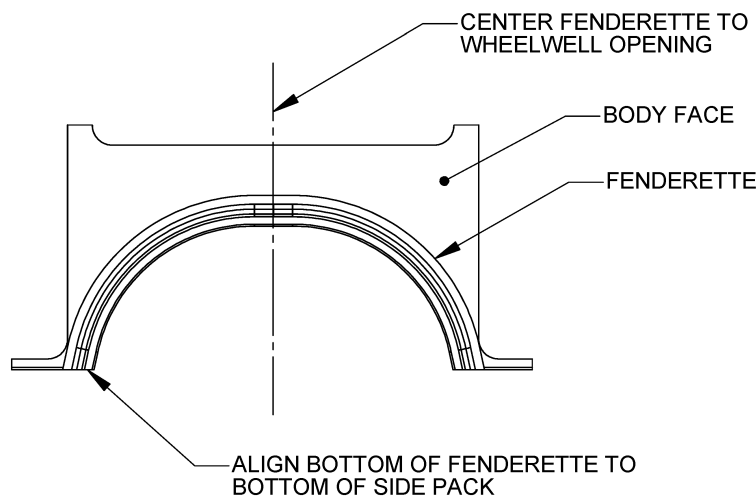
**NOTE: FOLLOW CHASSIS RECOMMENDATIONS WHEN WELDING BODY COMPONENTS.**

6. Bolt Body to Chassis Frame using 5/8" UNC Grade 8 Hardware (Bolt, Washer, Nut, Etc...) Torque to 180 Ft-Lbs

**Note: If you would like to mount the body using another method, please refer to the chassis manufacturer's body builder guide or the NTEA handbook.**

7. Install Fenderettes (Supplied) to the body: (Reference figure below)
  - a. Wipe mounting surface with clean cloth to remove any dirt or oils.
  - b. Locate Fenderette to sidepack, aligning the bottom edges and centering it on fender well opening.
  - c. Draw lines on fender with oil pencil or other erasable marker to assist with alignment when adhesive is applied.
  - d. 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.
  - e. Use lines from step 3 to locate fenderette to sidepack, aligning the bottom edges and centering it on the fender well opening as before.
  - f. Using wide surface area clamps, clamp fenderette into place to insure full contact between the fenderette flange and the sidepack.
  - g. Remove any excess adhesive from outer edges.
  - h. Allow adhesive to cure 3 to 4 hours before removing clamps. Adhesive will be fully cured in 8 to 24 hours.

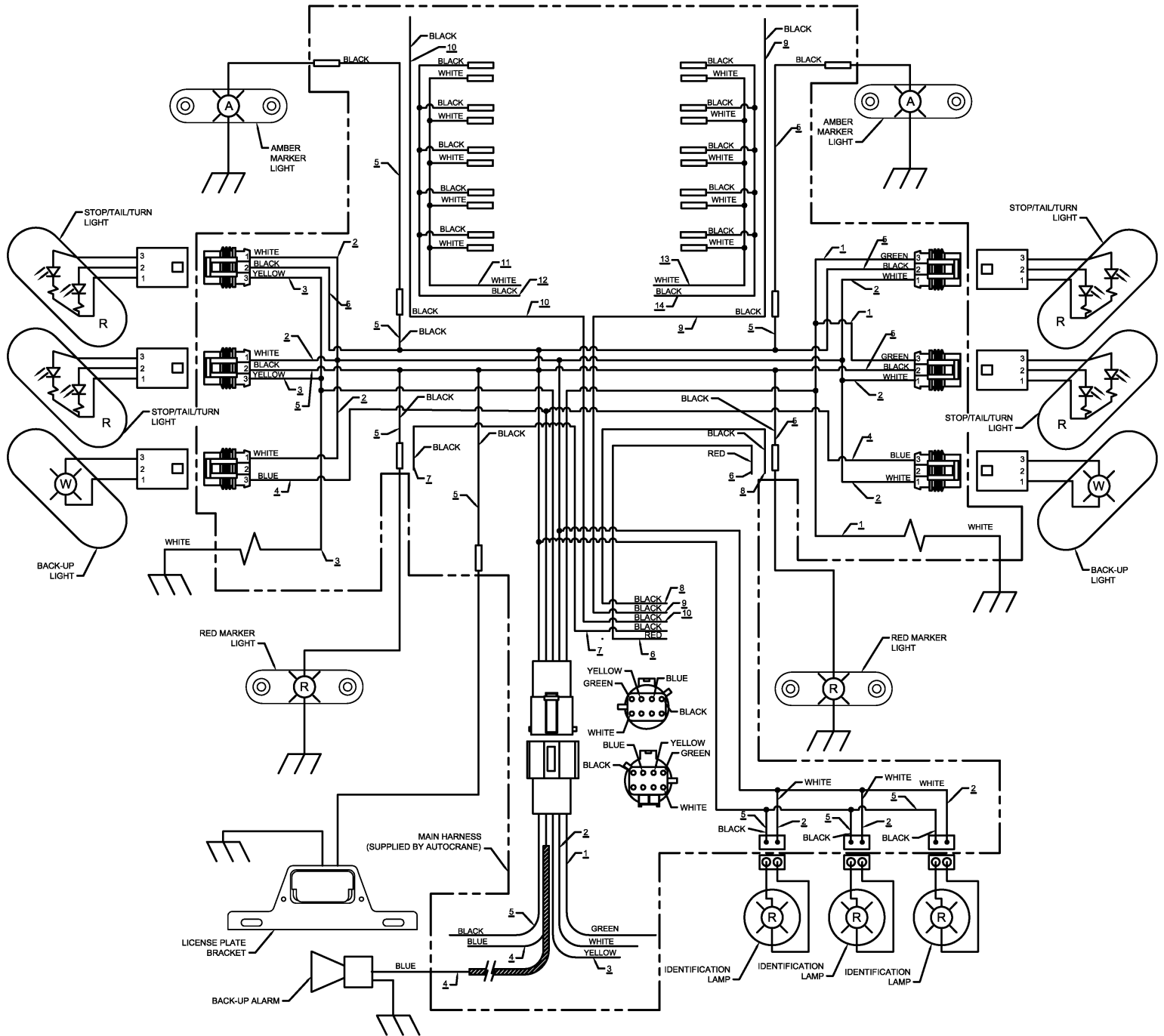
(If you would like to paint the fenderette, you must use the following components. Surface must be cleaned with DuPont #3919S Prep-Sol or equivalent, Primed with Polypropylene primer (Ditzler DPX800 or equivalent), and use a flex additive (Ditzler DX369 or equivalent).



8. Install wiring, lights, and reflectors onto body. Reference schematic on following page for wiring detail. Reference view at beginning of Mounting and Installation section for location of remaining components.

# TITAN 16

## MOUNTING AND INSTALLATION



# **TITAN 16**

## **MOUNTING AND INSTALLATION**

| WIRE # | COLOR  | DESCRIPTION                                      | LABEL             |
|--------|--------|--------------------------------------------------|-------------------|
| 1      | GREEN  | STOP/TURN SIGNAL RIGHT SIDE                      |                   |
| 2      | WHITE  | GROUND                                           |                   |
| 3      | YELLOW | STOP/TURN SIGNAL LEFT SIDE                       |                   |
| 4      | BLUE   | BACK-UP SIGNAL                                   |                   |
| 5      | BLACK  | TAIL LIGHT SIGNAL                                |                   |
| 6      | RED    | OPTIONAL HALOGEN SUPPLY WIRE                     | HALOGEN           |
| 7      | BLACK  | OPTIONAL REAR WORK LIGHT LEFT SIDE               | WRK LT LFT        |
| 8      | BLACK  | OPTIONAL REAR WORK LIGHT RIGHT SIDE              | WRK LT RT         |
| 9      | BLACK  | OPTIONAL LIGHTING RIGHT SIDE                     | OPTIONAL LIGHTING |
| 10     | BLACK  | OPTIONAL LIGHTING LEFT SIDE                      | OPTIONAL LIGHTING |
| 11     | WHITE  | INTERIOR COMPARTMENT LIGHT LEFT SIDE (OPTIONAL)  |                   |
| 12     | BLACK  | INTERIOR COMPARTMENT LIGHT LEFT SIDE (OPTIONAL)  |                   |
| 13     | WHITE  | INTERIOR COMPARTMENT LIGHT RIGHT SIDE (OPTIONAL) |                   |
| 14     | BLACK  | INTERIOR COMPARTMENT LIGHT RIGHT SIDE (OPTIONAL) |                   |

8. Install all accessories per their installation procedures. If unit has a hydraulic outrigger, you must follow the procedure shown on the following page to set the outrigger relief valve.
9. Verify final truck configuration meets all applicable federal guidelines. Reference 49CFR571.109
10. Read operating section of manual before operating the unit.

# ***TITAN 16***

## ***VEHICLE OPERATION & PREPARATIONS***

### **IMPORTANT—READ FIRST!!**

#### **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 slides from stowed position by releasing pull pin and extending the outrigger slides fully.
3. Make sure the slides are 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 slides from extended position by releasing pull pin and pushing slides in fully.
7. Make sure the slides are fully retracted and locked into position with pull pin.
8. Make sure the sling is secured in place around the outrigger leg.

# ***TITAN 16***

## ***VEHICLE OPERATION & PREPARATIONS***

### **HYDRAULIC OUTRIGGER OPERATION**

1. Divert hydraulic flow from control valve to outrigger operations.
2. Use the hydraulic control valve to extend outrigger slides from stowed position to the fully extended position.
3. Make sure the slides are fully extended.
4. Lower both outrigger legs until they contact the ground then extend another inch to insure good ground contact.

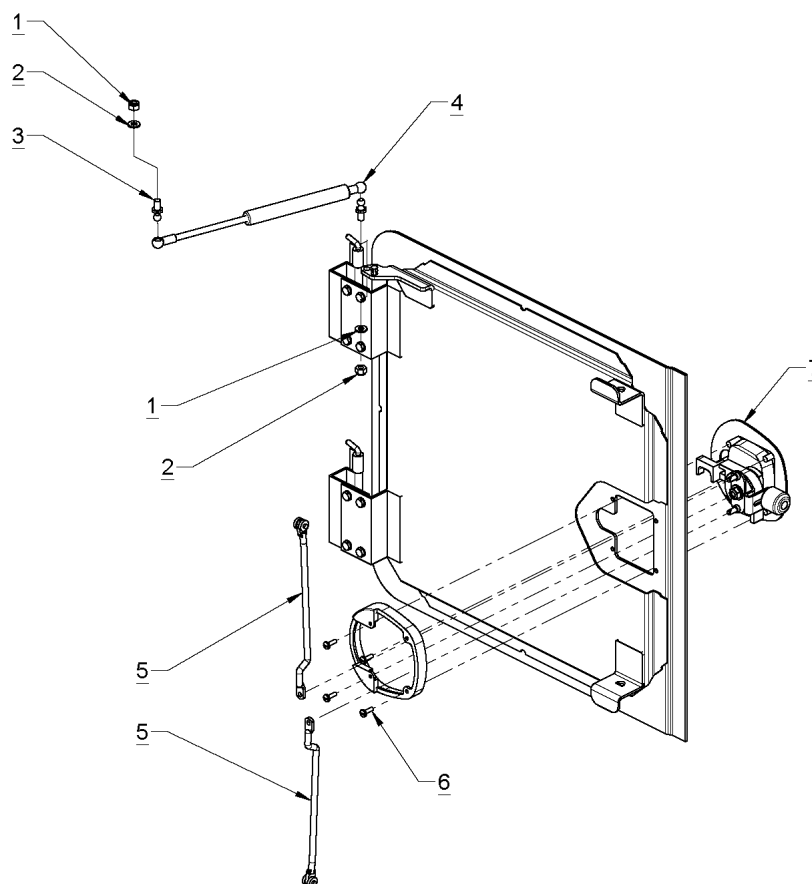
#### **Notes:**

- 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 in stowed position.
6. Retract outrigger slides from extended to the fully retracted position.
7. Make sure the slides are fully retracted in the stowed position.
8. Make sure the sling is secured in place around the outrigger leg.

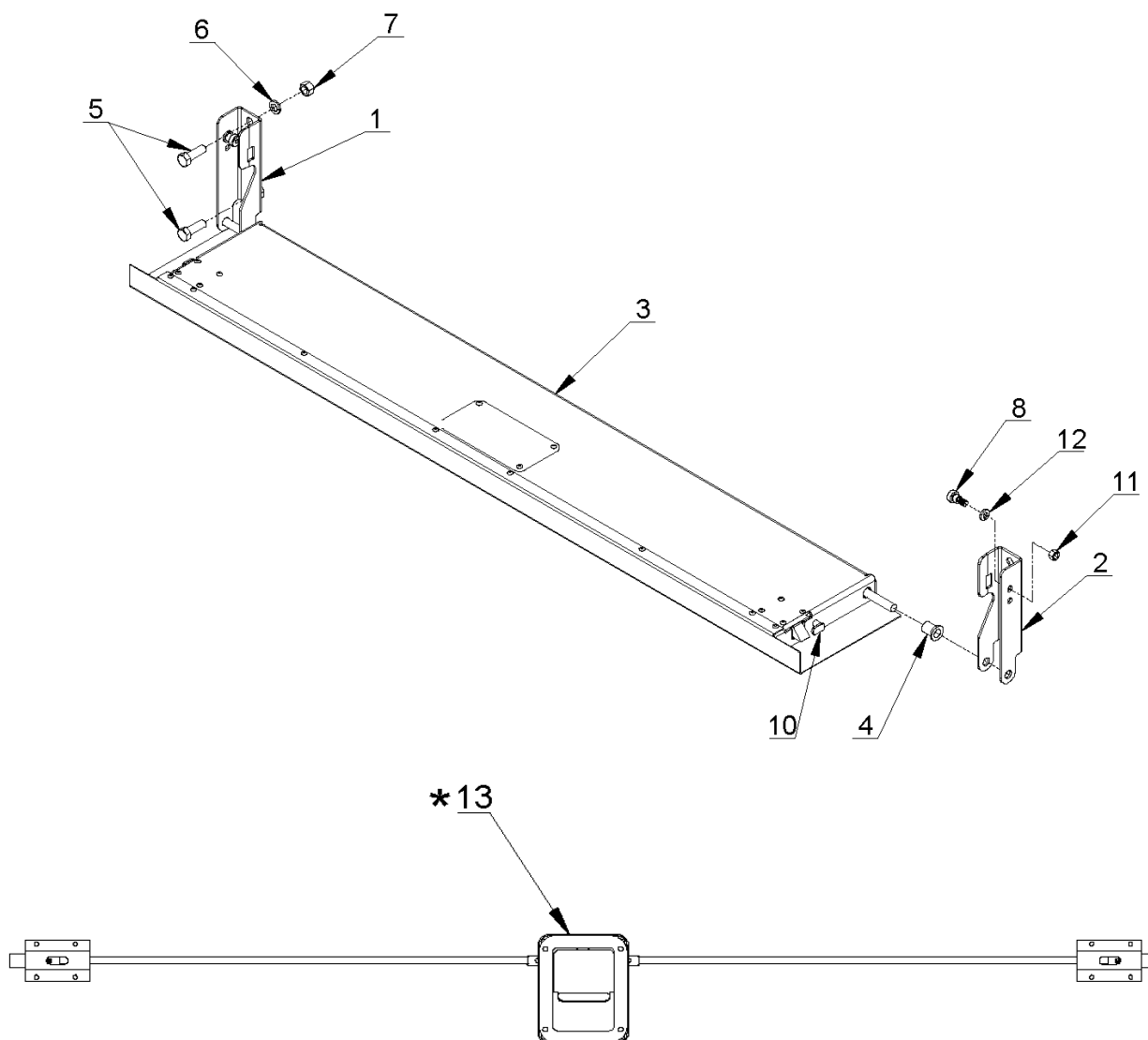
# TITAN 16 DOOR



| ITEM NO. | QTY | PART NUMBER | DESCRIPTION                     |
|----------|-----|-------------|---------------------------------|
| 1        | 2   | 016801000   | NUT HX NYLK 5/16-18UNC CP       |
| 2        | 2   | 020300000   | WASHER FL 1/4 CP                |
| 3        | 2   | 760535002   | BALL STUD THREADED 5/16-18      |
| 4        | 1   | 760535001   | DOOR PROP (GAS)                 |
| 5        | 2   | *SEE CHART  | DOOR ROD                        |
| 6        | 4   | 002609000   | SCREW RD HD #10UNF X 5/8 CP GR3 |
| 7        | 1   | 560525000   | T-HANDLE                        |

| USED ON                                        | PART NUMBER | DESCRIPTION    |
|------------------------------------------------|-------------|----------------|
| USED ON ALL 52" COMPARTMENT DOORS, UPPER/LOWER | 560415000   | DOOR ROD STD   |
| USED ON 58" COMPARTMENT DOORS, UPPER           | 560417000   | DOOR ROD TALL  |
| USED ON HORZ. COMP. UPPER/LOWER                | 560416000   | DOOR ROD HORIZ |

# TITAN 16 TAILGATE

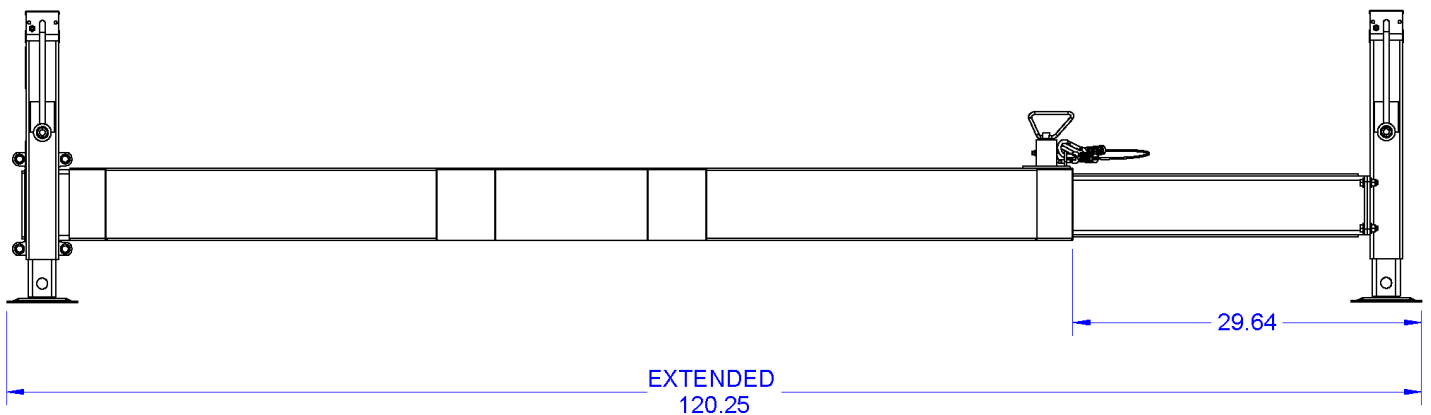
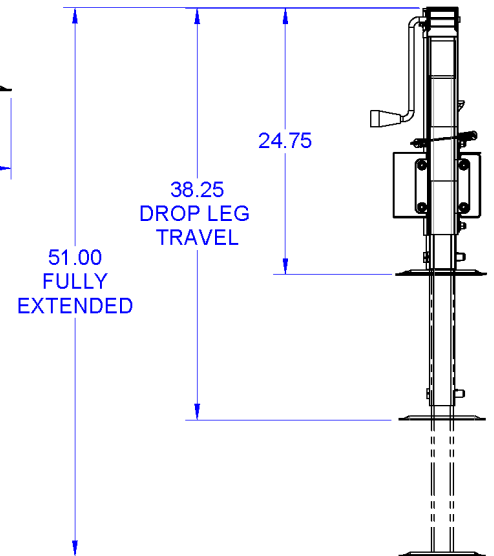
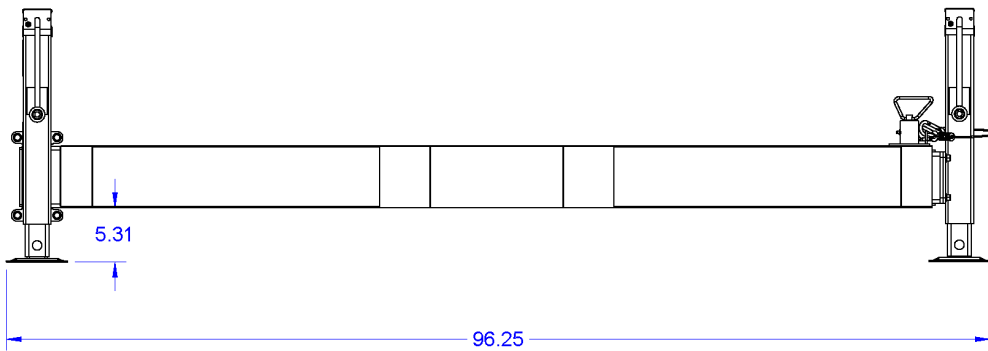
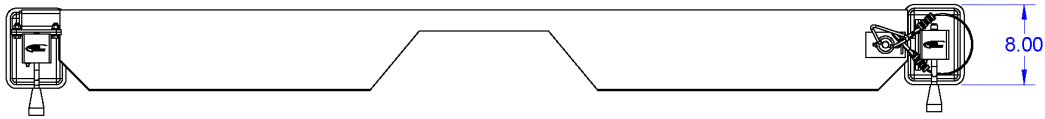


\* THIS ITEM IS A PART OF ITEM #3

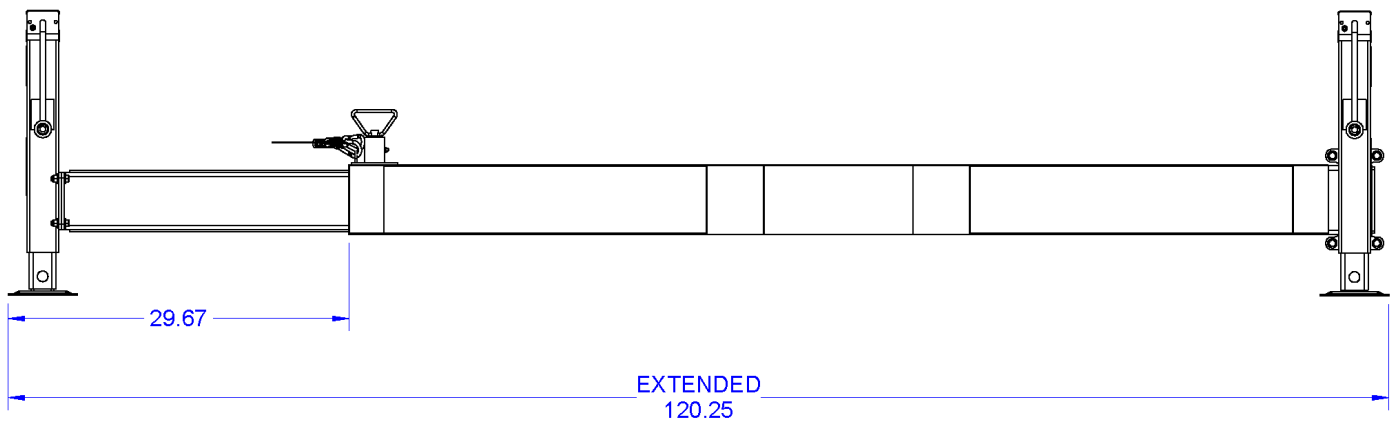
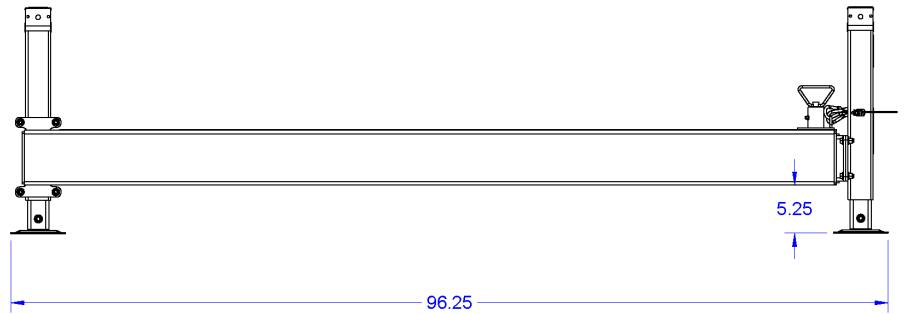
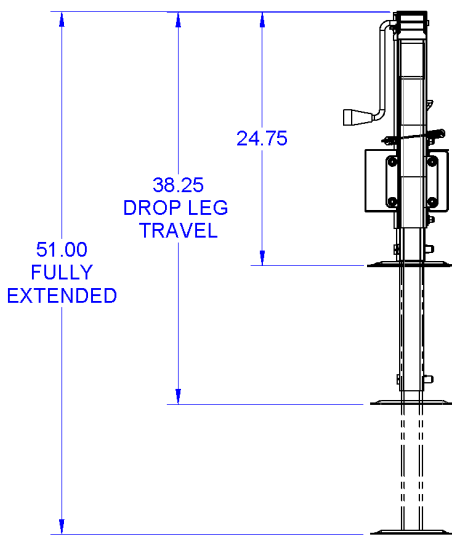
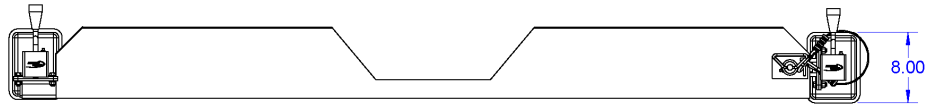
| ITEM NO. | QTY.           | PART NO.  | DESCRIPTION                      |
|----------|----------------|-----------|----------------------------------|
| 1        | 1              | 560085000 | TAILGATE MTG BRKT WDMT LH        |
| 2        | 1              | 560088000 | TAILGATE MTG BRKT WDMT RH        |
| 3        | 1              | 715051000 | TITAN 16 TAILGATE SUB ASS'Y      |
| 4        | 2              | 736738000 | TAILGATE BUSHING                 |
| 5        | 2              | 010201000 | SCREW HX HD 1/2-13UNC x 1 1/2 LG |
| 6        | 2              | 021500000 | WASHER SP LK 1/2                 |
| 7        | 2              | 017701000 | NUT HX 1/2-13UNC                 |
| 8        | 2              | 560091000 | SCREW SHOULDER 1/2 X 3/8-16UNC   |
| **9      | 2              | 560090001 | CABLE ASSY, TAILGATE             |
| 10       | 2              | 715139000 | RIGHT ANGLE SPOTWELD SCREW       |
| 11       | 2              | 330372000 | NUT HX 3/8-16UNC                 |
| 12       | 2              | 021100000 | WASHER SP LK 3/8                 |
| *13      | 1              | 715055000 | TAILGATE LATCH ASSEMBLY          |
| **       | ITEM NOT SHOWN |           |                                  |

## ***NOTES***

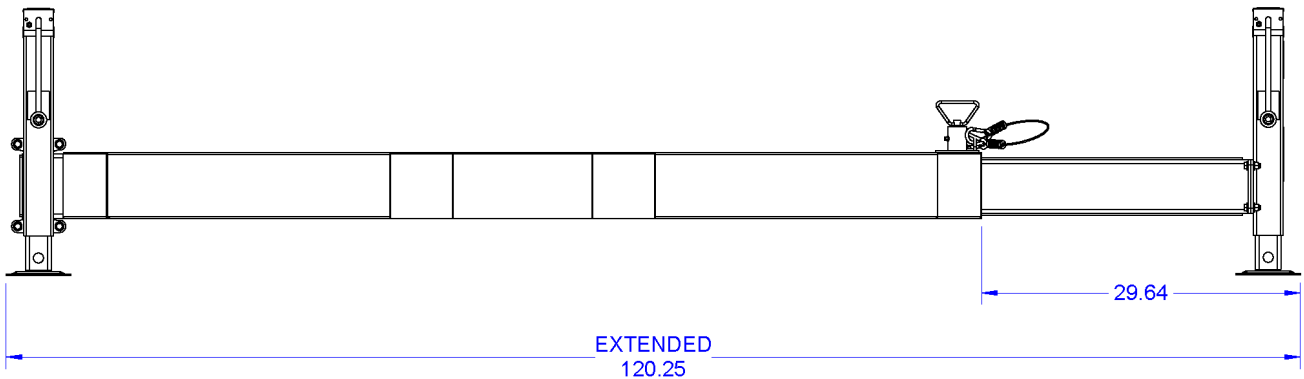
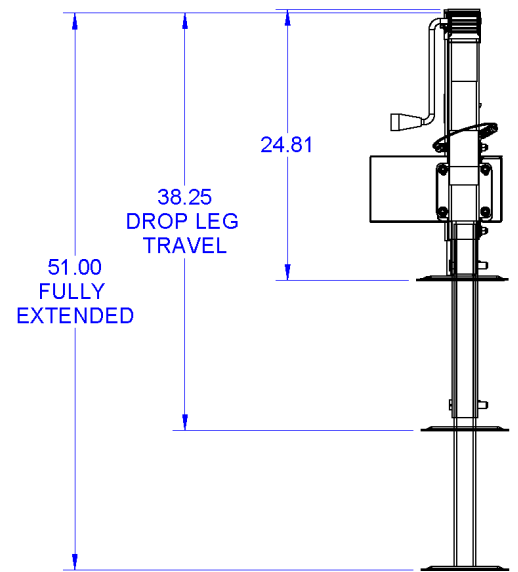
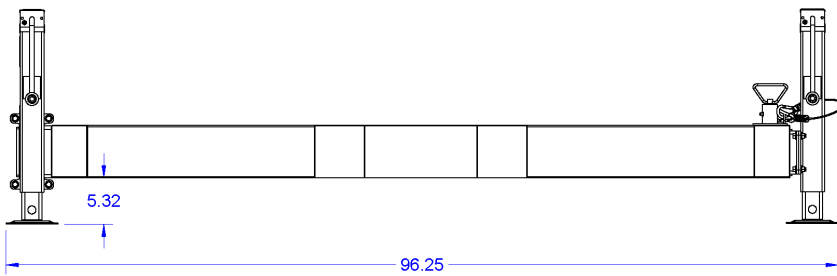
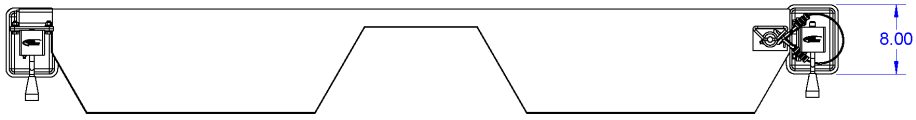
# OUTRIGGER ASSY, 8" BUMPER RIGHT SIDE CRANE GENERAL DIMENSIONS



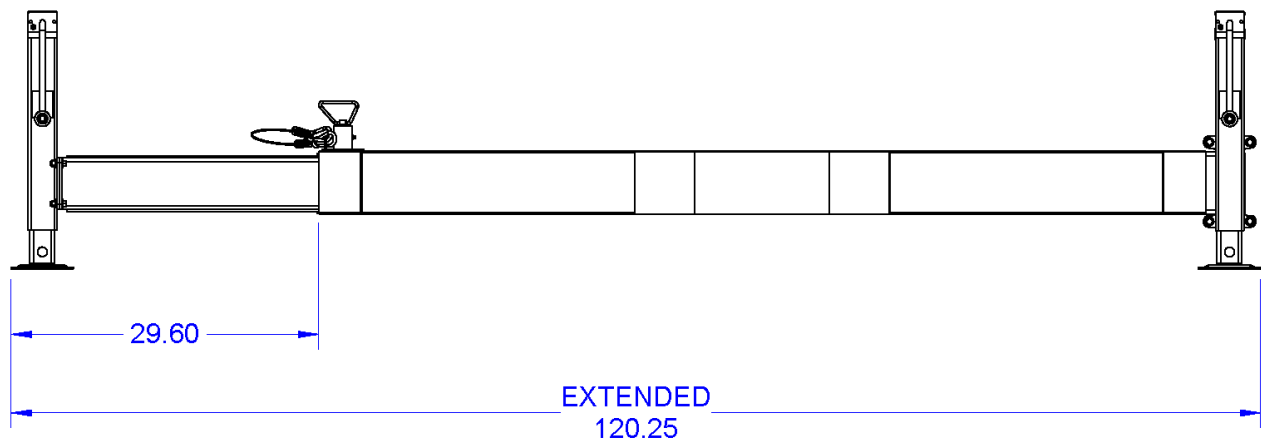
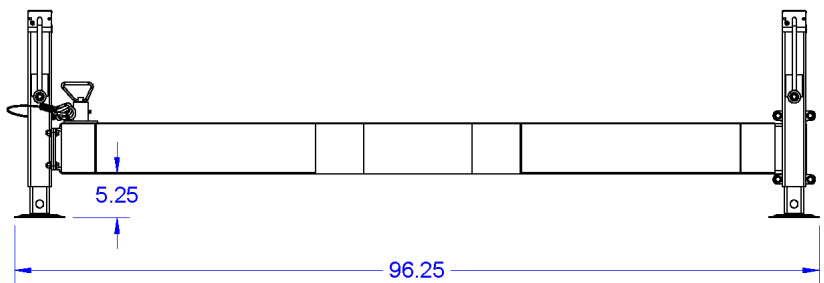
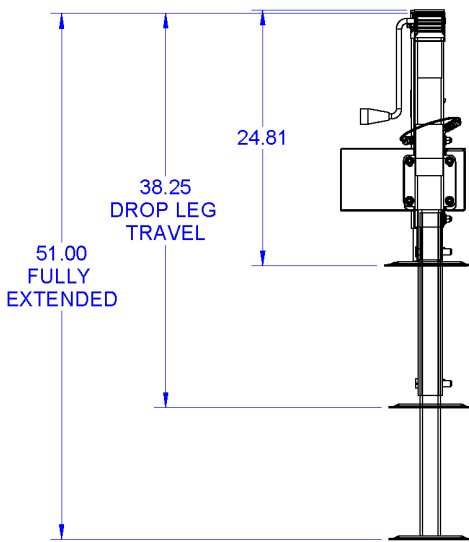
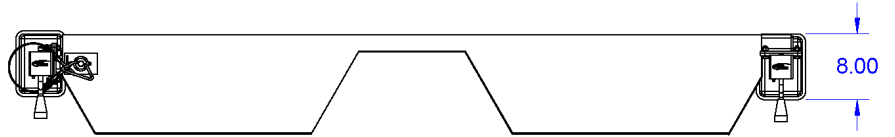
# OUTRIGGER ASSY, 8" BUMPER LEFT SIDE CRANE GENERAL DIMENSIONS



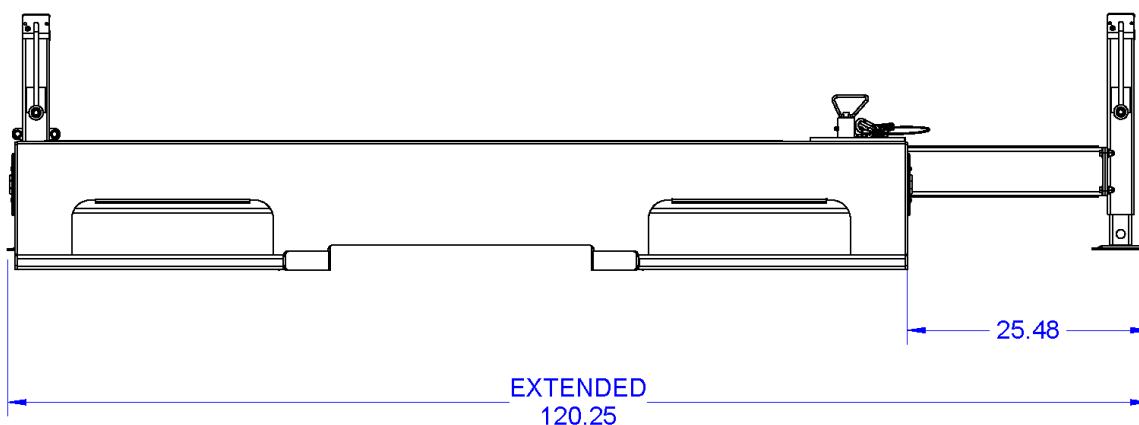
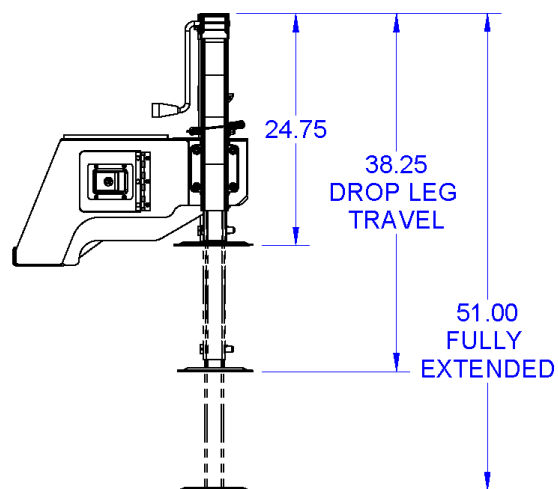
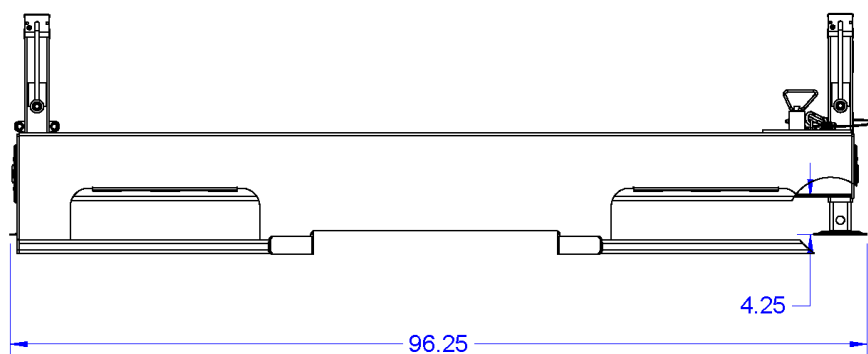
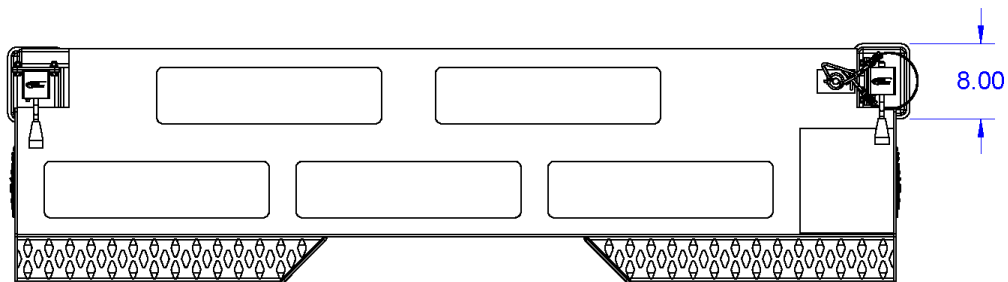
# OUTRIGGER ASSY, 12" BUMPER RIGHT SIDE CRANE GENERAL DIMENSIONS



# OUTRIGGER ASSY, 12" BUMPER LEFT SIDE CRANE GENERAL DIMENSIONS

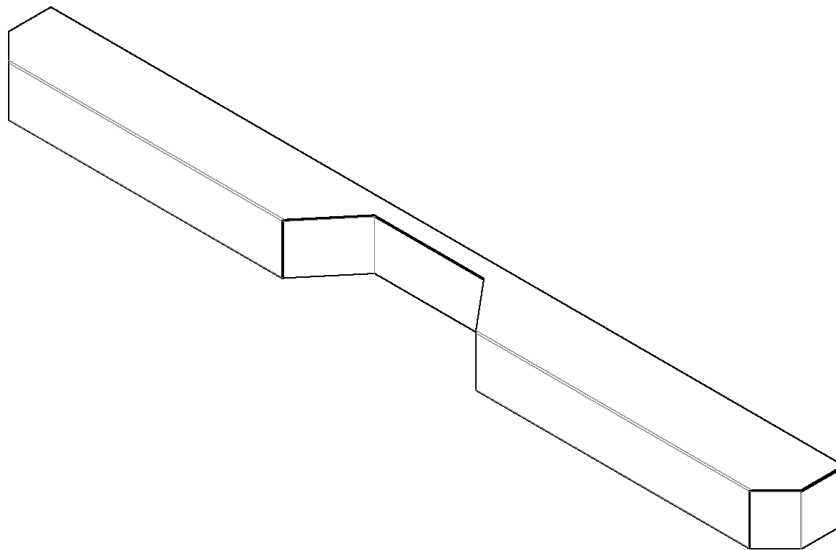
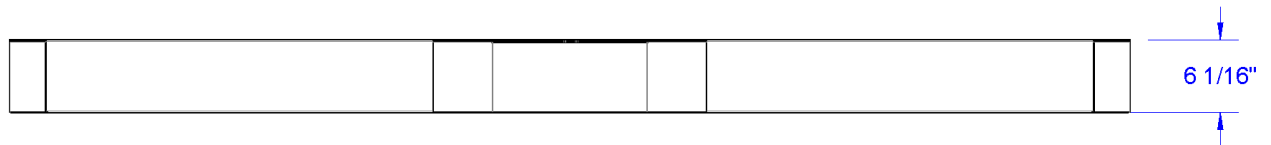
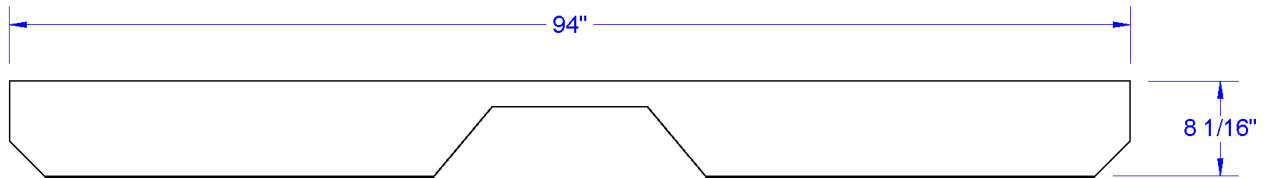


# **OUTRIGGER ASSY, 20" BUMPER** **RIGHT SIDE CRANE** **GENERAL DIMENSIONS**



# ***SERVICE BUMPER WELDMENT***

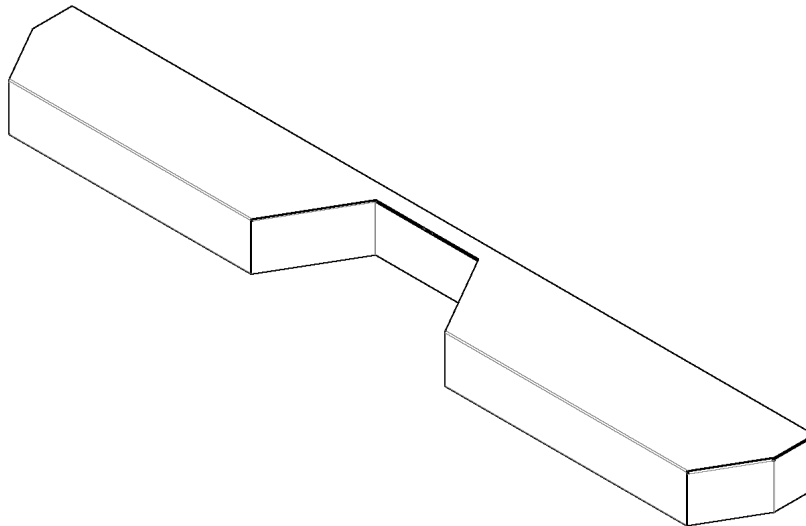
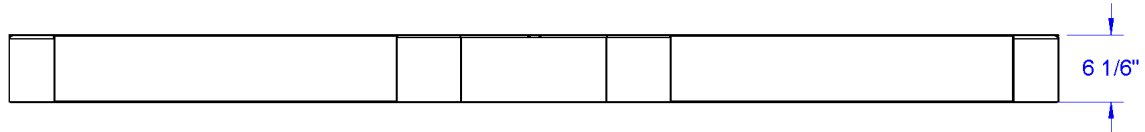
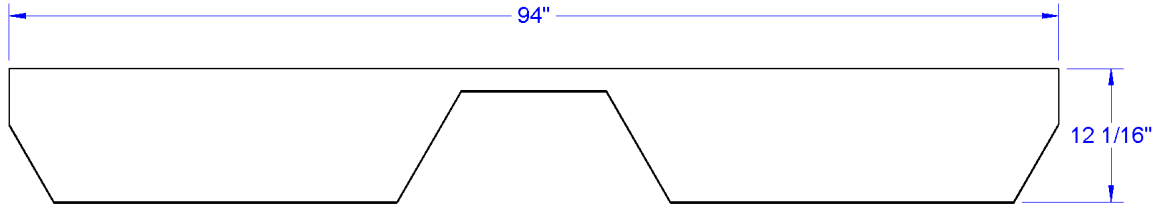
## ***P/N: 715100002***



GENERAL DIMENSIONS

# ***SERVICE BUMPER WELDMENT***

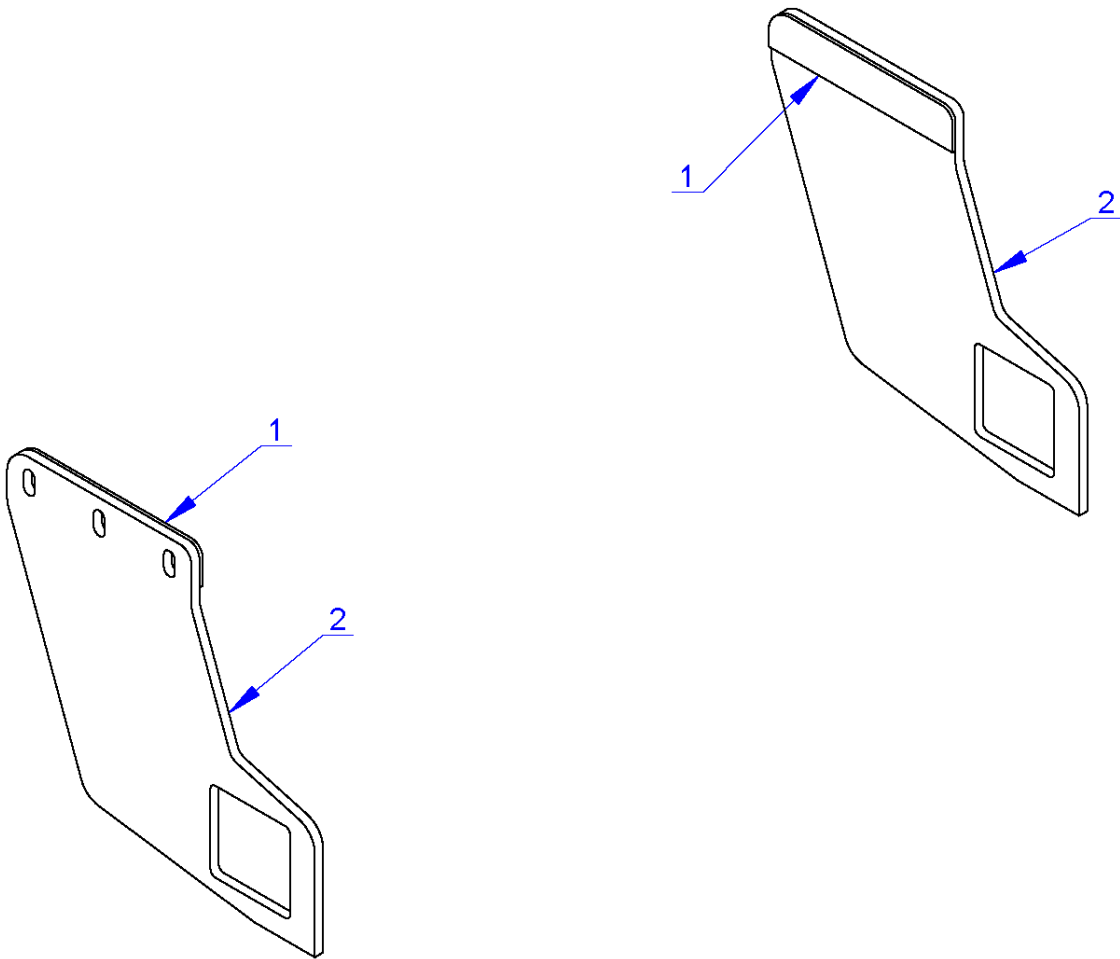
## ***P/N: 715151002***



GENERAL DIMENSIONS

# **TITAN 16 OUTRIGGER SHIP KIT**

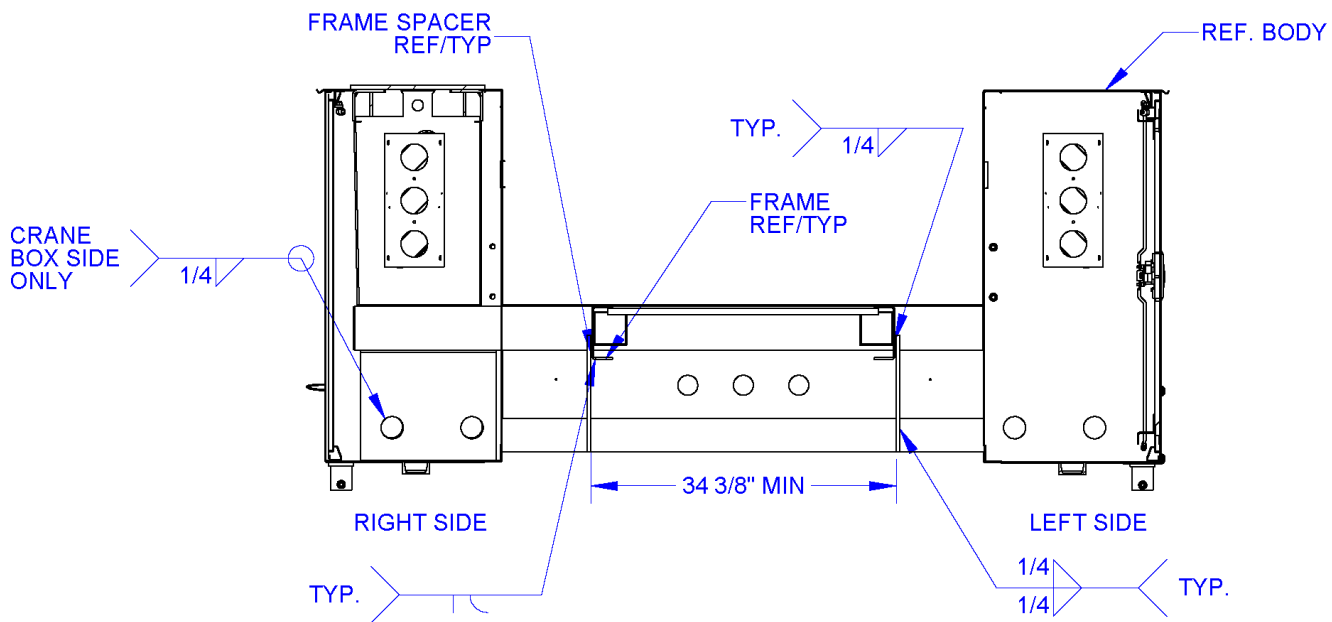
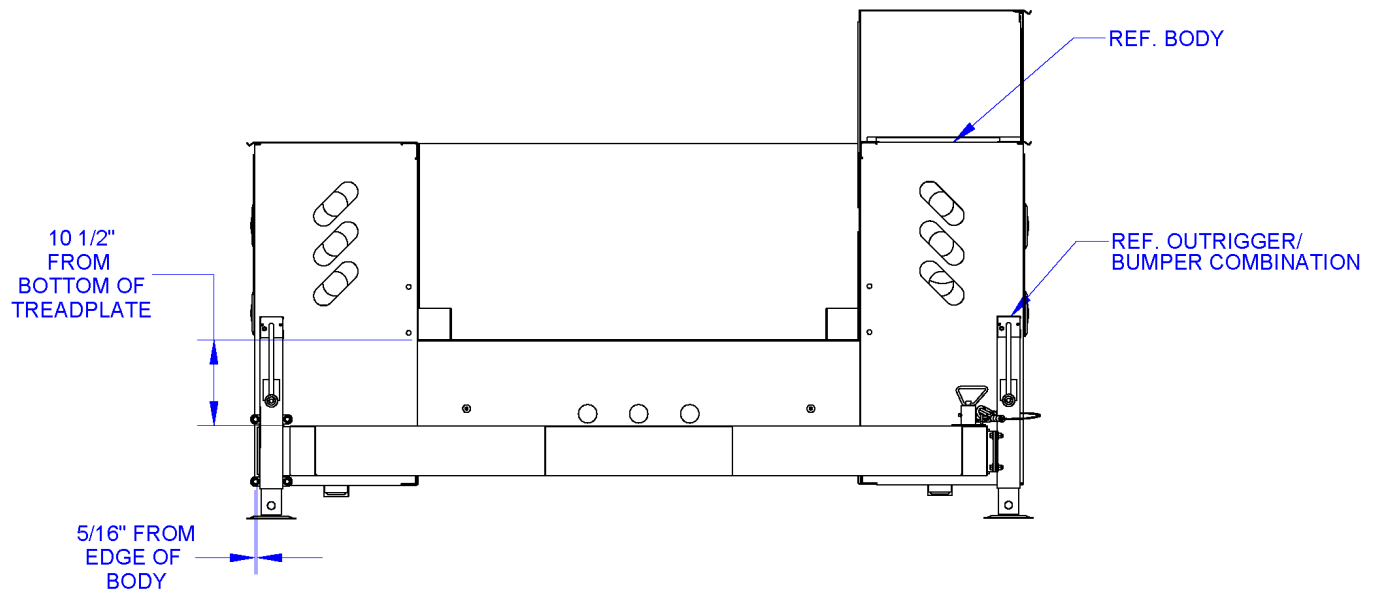
## **OUTRIGGER SHIP KIT 715112000**



| ITEM NO. | QTY | PART NUMBER | DESCRIPTION                     |
|----------|-----|-------------|---------------------------------|
| 1        | 2   | 715110001   | TITAN 16 OUTRIGGER SPACER PLATE |
| 2        | 2   | 715109001   | TITAN 16 OUTRIGGER SUPPORT      |

# TITAN 16

## BUMPER/OUTRIGGER INSTALLATION



**NOTE:**

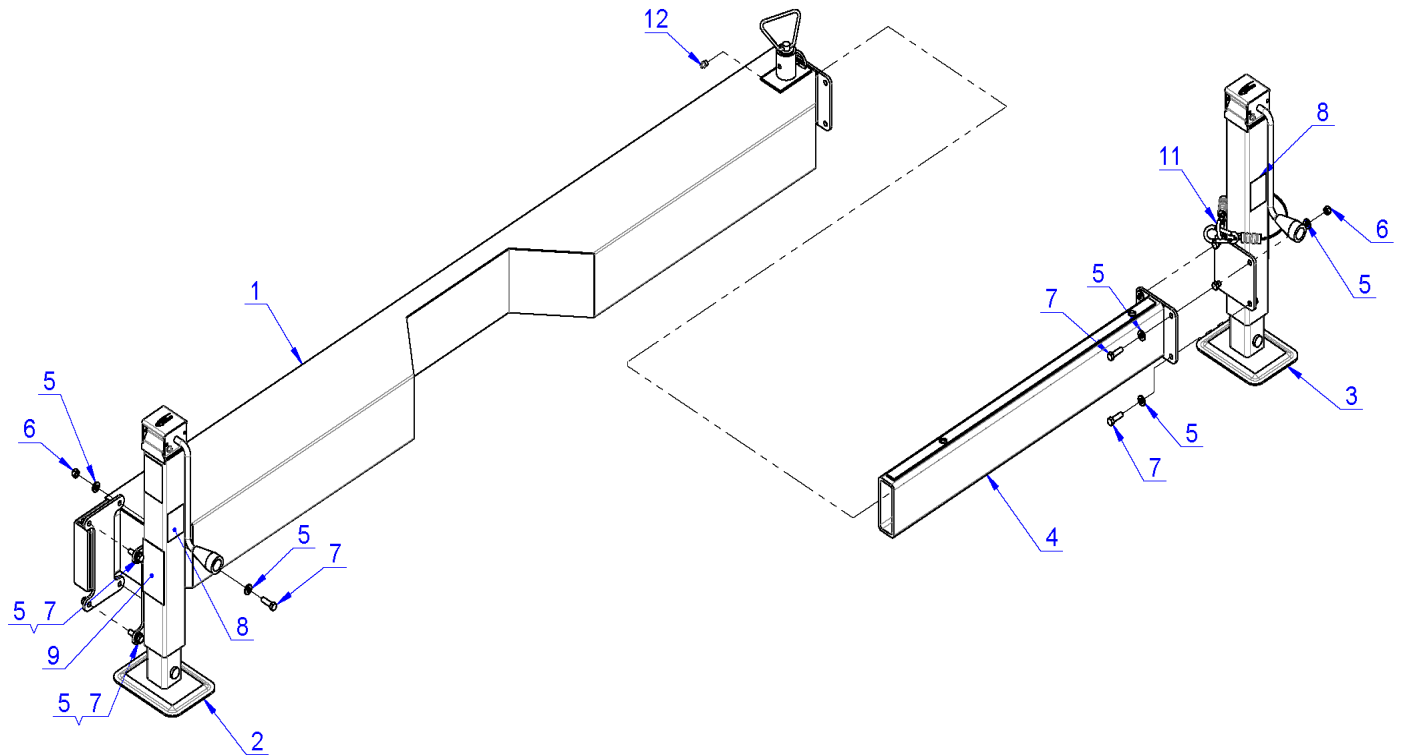
1) LEAN SUPPORT OUTRIGGERS OUT 1/4 INCH @ BOTTOM BEFORE WELDING TO BOTTOM SIDE OF FRAME.

2) DIM OF 34 3/8 INCHES PLUS MUST BE MAINTAINED BETWEEN SUPPORT OUTRIGGER PLATES @ BOTTOM OF BODY FRAME.

3) CUT OUTS FOR USE WITH HYDRAULIC OUTRIGGERS ONLY. RIGHT SIDE OUTRIGGER SHOWN. LOCATE CUTOUTS ON OPPOSITE SIDE FOR LEFT SIDE OUTRIGGER.

## ***NOTES***

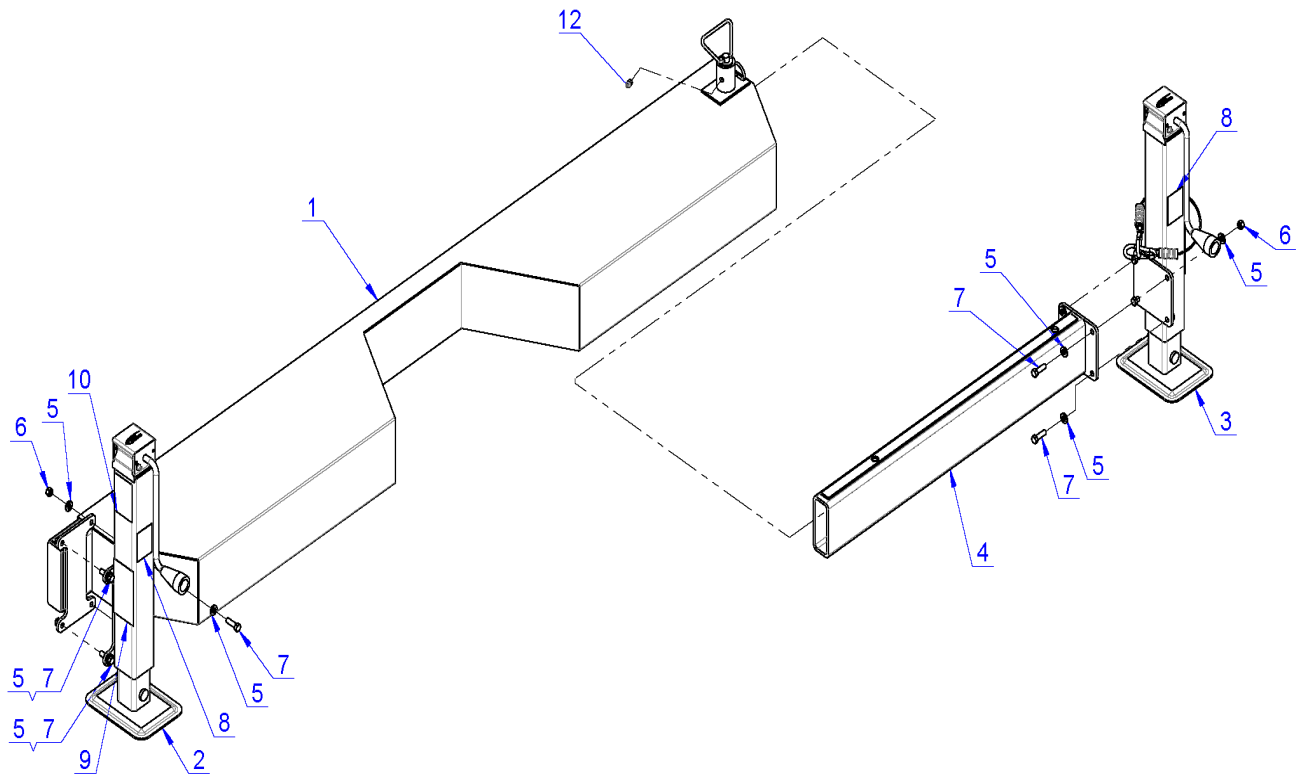
**OUTRIGGER ASSY, 8" BUMPER**  
**RIGHT SIDE CRANE PN: 715100000**  
**LEFT SIDE CRANE PN: 715100001**



## ***OUTRIGGER ASSY, 8" BUMPER***

| ITEM NO. | LS QTY | RS QTY | PART NUMBER | DESCRIPTION                                   |
|----------|--------|--------|-------------|-----------------------------------------------|
| 1        | 1      | 0      | 715101001   | TITAN 16 BUMPER/OUTRIGGER WELDMENT (SS CRANE) |
| 1        | 0      | 1      | 715101000   | TITAN 16 BUMPER/OUTRIGGER WELDMENT (CS CRANE) |
| 2        | 1      | 1      | 715108000   | TITAN 16 JACK LEG ASSEMBLY                    |
| 3        | 1      | 0      | 320958001   | JACK LEG ASSEMBLY, SS                         |
| 3        | 0      | 1      | 320958002   | JACK LEG ASSEMBLY, CS                         |
| 4        | 0      | 1      | 715116000   | TITAN 16 OUTRIGGER EXTENSION LEG WELDMENT     |
| 5        | 16     | 16     | 320976000   | WASHER, FLAT, 3/8 SAE HARDENED                |
| 6        | 8      | 8      | 017301000   | NUT HX NYLK 3/8-16UNC CP                      |
| 7        | 8      | 8      | 366159000   | SCREW HX HD 3/8-16UNC X 1 1/2 LG GR8          |
| 8        | 2      | 2      | 759017000   | DECAL DANGER MOVING OUTRIGGER                 |
| 9        | 2      | 2      | 40581000    | DECAL DANGER SERIOUS CRUSHING INJURY          |
| 10       | 2      | 2      | 725962000   | DECAL DANGER OUTRIGGERS                       |
| 11       | 1      | 1      | 772057000   | SLING, OUTRIGGER                              |
| 12       | 1      | 1      | 239300000   | ZERK, GREASE                                  |
| 13       | 1      | 1      | 715112000   | SHIP KIT TITAN 16 OUTRIGGER                   |

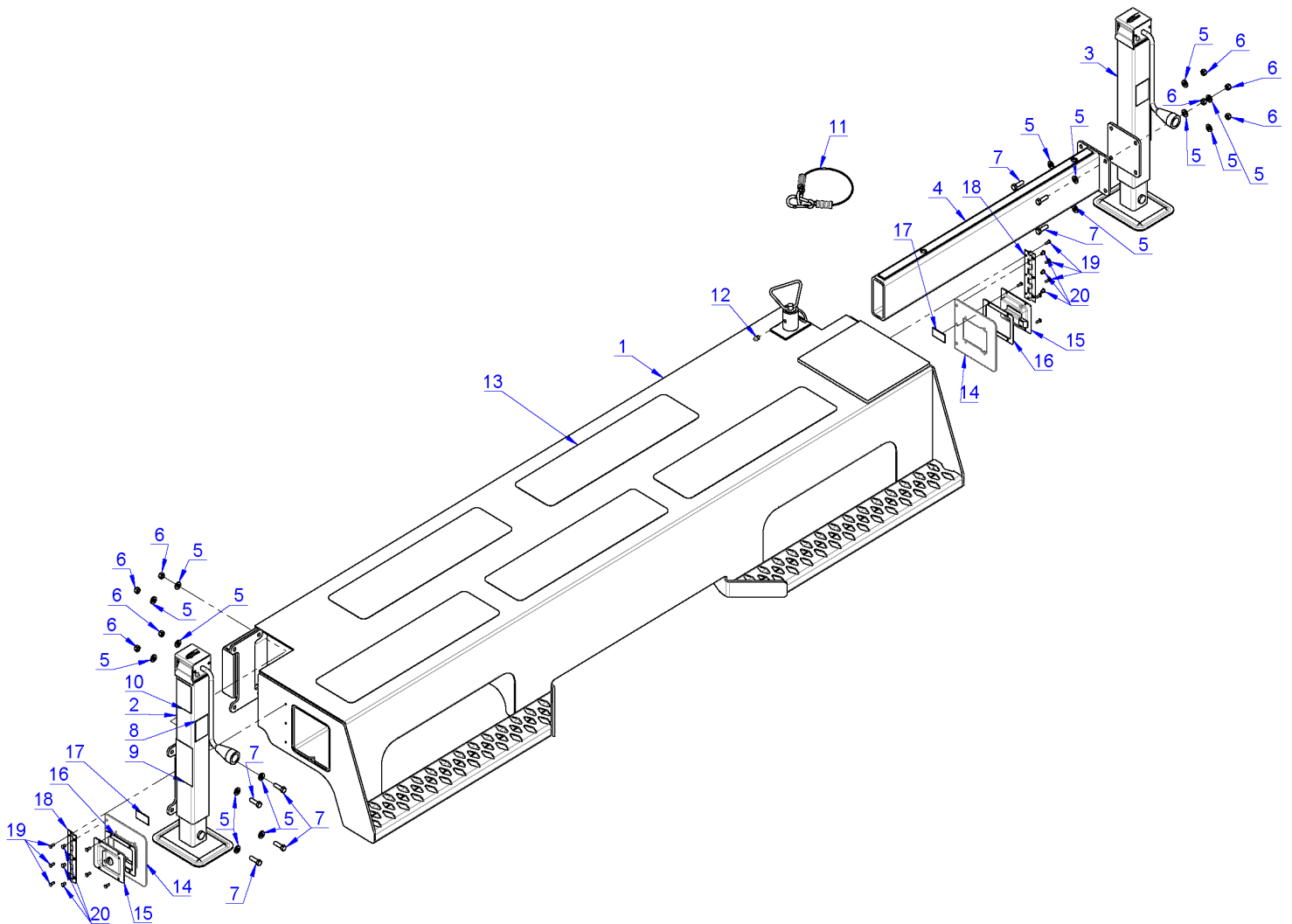
**OUTRIGGER ASSY, 12" BUMPER**  
**RIGHT SIDE CRANE PN: 715150000**  
**LEFT SIDE CRANE PN: 715150001**



## **OUTRIGGER ASSY, 12" BUMPER**

| ITEM NO. | LS QTY | RS QTY | PART NUMBER | Description                                    |
|----------|--------|--------|-------------|------------------------------------------------|
| 1        | 1      | 0      | 715151001   | TITAN 16 BUMPER/OUTRIGGER 12 in WMT (SS CRANE) |
| 1        | 0      | 1      | 715151000   | TITAN 16 BUMPER/OUTRIGGER 12 in WMT (CS CRANE) |
| 2        | 1      | 1      | 715108000   | TITAN 16 JACK LEG ASSEMBLY                     |
| 3        | 1      | 0      | 320958001   | JACK LEG ASSEMBLY, SS                          |
| 3        | 0      | 1      | 320958002   | JACK LEG ASSEMBLY, CS                          |
| 4        | 1      | 1      | 715116000   | TITAN 16 OUTRIGGER EXTENSION LEG WELDMENT      |
| 5        | 16     | 16     | 320976000   | WASHER, FLAT, 3/8 SAE HARDENED                 |
| 6        | 8      | 8      | 017301000   | NUT HX NYLK 3/8-16UNC CP                       |
| 7        | 8      | 8      | 366159000   | SCREW HX HD 3/8-16UNC X 1 1/2 LG GR8           |
| 8        | 2      | 2      | 759017000   | DECAL DANGER MOVING OUTRIGGER                  |
| 9        | 2      | 2      | 040581000   | DECAL DANGER SERIOUS CRUSHING INJURY           |
| 10       | 2      | 2      | 725962000   | DECAL DANGER OUTRIGGERS                        |
| 11       | 1      | 1      | 772057000   | SLING, OUTRIGGER                               |
| 12       | 1      | 1      | 239300000   | ZERK, GREASE                                   |
| 13       | 1      | 1      | 715112000   | SHIP KIT TITAN 16 OUTRIGGER                    |

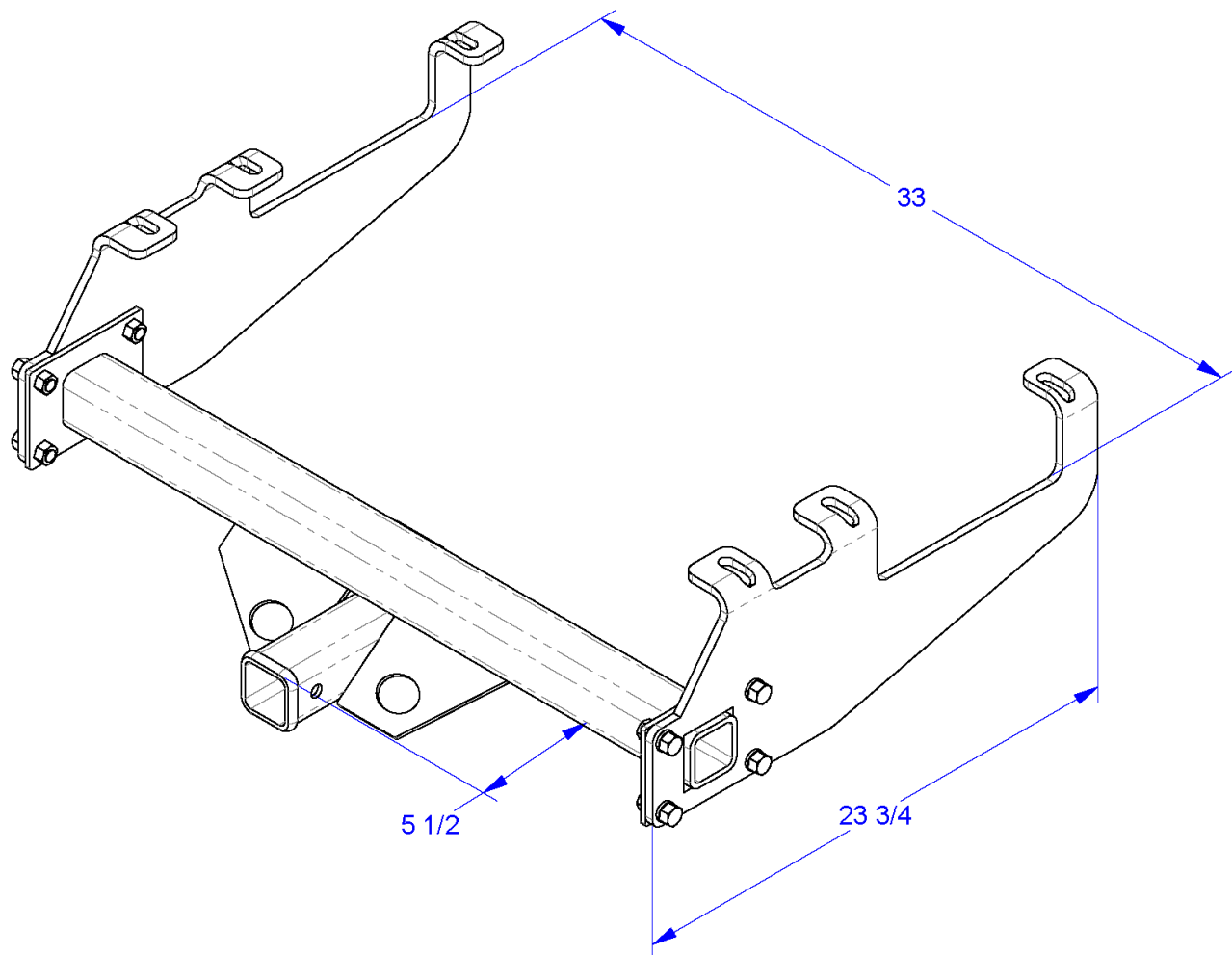
# **OUTRIGGER ASSY, 20" BUMPER RIGHT SIDE CRANE PN: 715158000**



## ***OUTRIGGER ASSY, 20" BUMPER***

| <b>ITEM NO.</b> | <b>QTY</b> | <b>PART NUMBER</b> | <b>DESCRIPTION</b>                             |
|-----------------|------------|--------------------|------------------------------------------------|
| 1               | 1          | 715158100          | TITAN 16 20 IN BUMPER/OUTRIGGER WDT (CS CRANE) |
| 2               | 1          | 715108000          | TITAN 16 JACK LEG ASSEMBLY                     |
| 3               | 1          | 320958002          | JACK LEG ASSEMBLY, CS                          |
| 4               | 1          | 715116000          | TITAN 16 OUTRIGGER EXT. LEG WMT.               |
| 5               | 16         | 320976000          | WASHER, FLAT, 3/8 SAE HARDENED                 |
| 6               | 8          | 017301000          | NUT HX NYLK 3/8-16UNC CP                       |
| 7               | 8          | 366159000          | SCREW HX HD 3/8-16UNC X 1 1/2 LG GR8           |
| 8               | 2          | 759017000          | DECAL DANGER MOVING OUTRIGGER                  |
| 9               | 2          | 040581000          | DECAL DANGER CRUSHING INJURY                   |
| 10              | 2          | 725962000          | DECAL DANGER OUTRIGGERS                        |
| 11              | 1          | 772057000          | SLING, OUTRIGGER                               |
| 12              | 1          | 239300000          | ZERK, GREASE                                   |
| 13              | 5          | 766141000          | DECAL, SAFETY SURFACE                          |
| 14              | 2          | 738665001          | DOOR, STORAGE COMPT                            |
| 15              | 2          | 716032001          | LATCH, PADDLE KEY-LOCKING                      |
| 16              | 2          | 716032002          | GASKET, PADDLE LATCH                           |
| 17              | 22         | 750740000          | GASKET FL 1in X 1/8                            |
| 18              | 2          | 738664000          | HINGE CONT 6.25                                |
| 19              | 14         | 754028000          | RIVET POP 3/16 DIA X 1/4 - 3/8 GRIP SS         |
| 20              | 6          | 750783000          | RIVET HINGE SS                                 |
| 21              | 1          | 715112000          | SHIP KIT TITAN 16 OUTRIGGER                    |

# ***RECEIVER HITCH INSTALLATION TITAN SERIES***

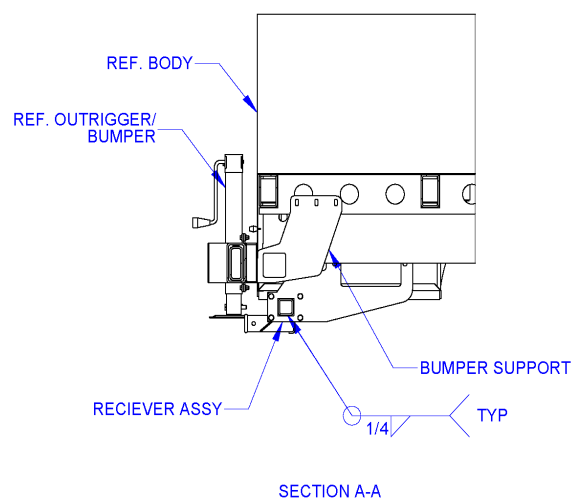
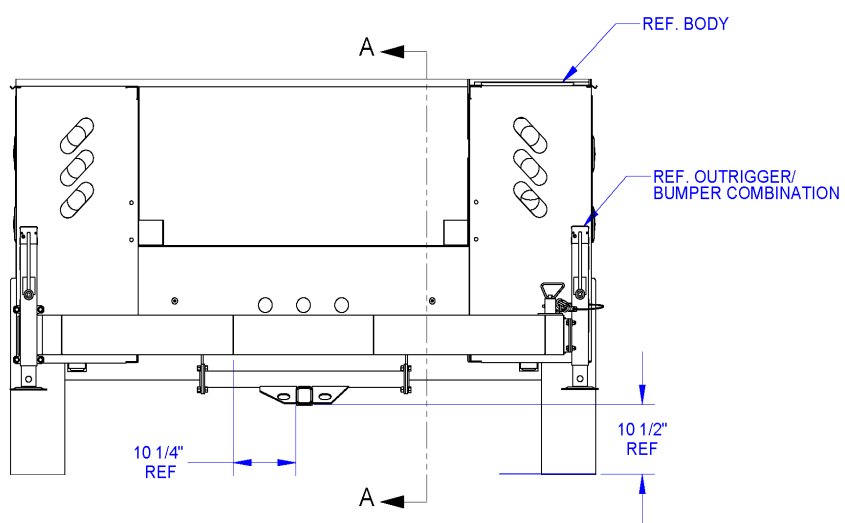
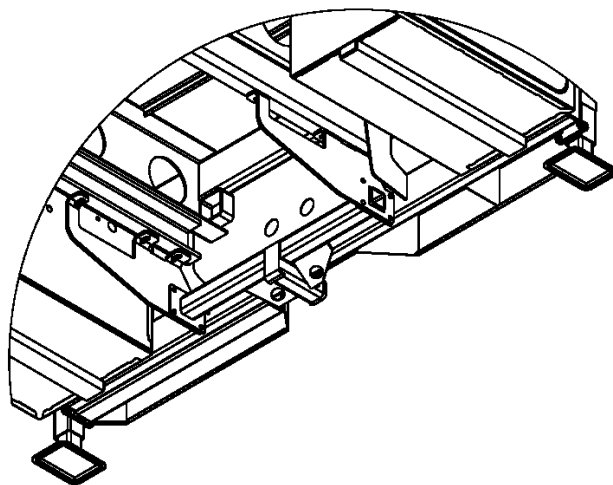


## **SPECIFICATIONS:**

12,000 LBS RATING

2" OPENING

# RECEIVER HITCH INSTALLATION TITAN SERIES



## NOTE:

1. CENTER HITCH ASSY ON TRUCK FRAME MEMBERS AND ALIGN THE RECEIVER TUBE FLUSH WITH THE RECESSED AREA OF THE BUMPER.
2. LINE DRILL AND INSTALL MOUNTING HARDWARE.

# **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 FENDER WELL OPENING AS BEFORE.
5. USING WIDE SURFACE AREA CLAMPS, CLAMP FENDERETTE INTO PLACE TO INSURE FULL CONTACT BETWEEN THE FENDERETTE FLANGE AND THE SIDE PACK.
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**

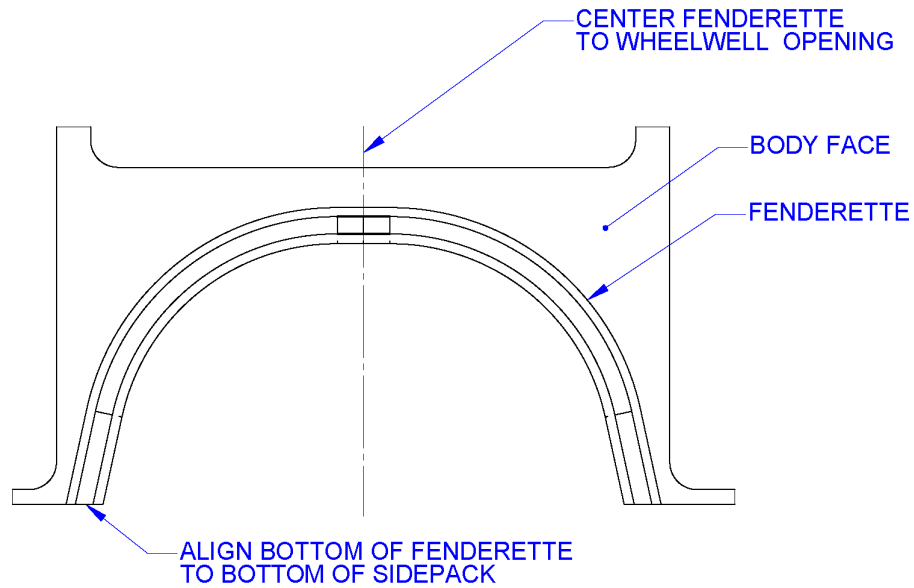
IF THE FENDERETTE CANNOT BE PEELED OFF, CUT THE BULK OF THE MATERIAL AWAY USING A KNIFE AND GRIND THE REMAINING MATERIAL

# FENDER-ET

## TITAN SERIES - P/N: 752912000

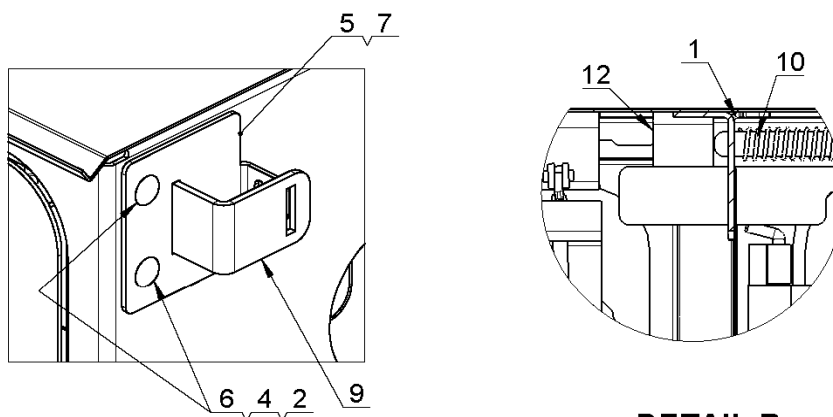
**NOTE:**

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

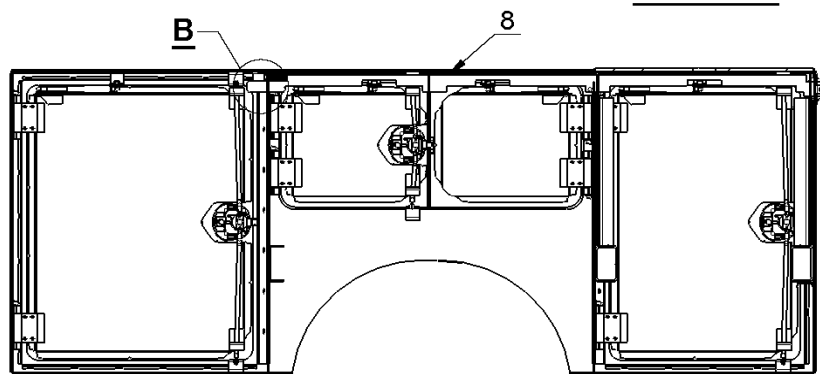


| ITEM | QTY | PART NUMBER | DESCRIPTION                 |
|------|-----|-------------|-----------------------------|
| 1    | 2   | 752913000   | FENDER FLARE TPO 50K        |
| 2    | 1   | 752914000   | ADHESIVE DP-8005 BLACK      |
| 3    | 1   | 752892000   | MIXING NOZZLE, PLUS II 10:1 |
| 4    | 1   | 752891000   | PLUNGER, EPX PLUS II        |

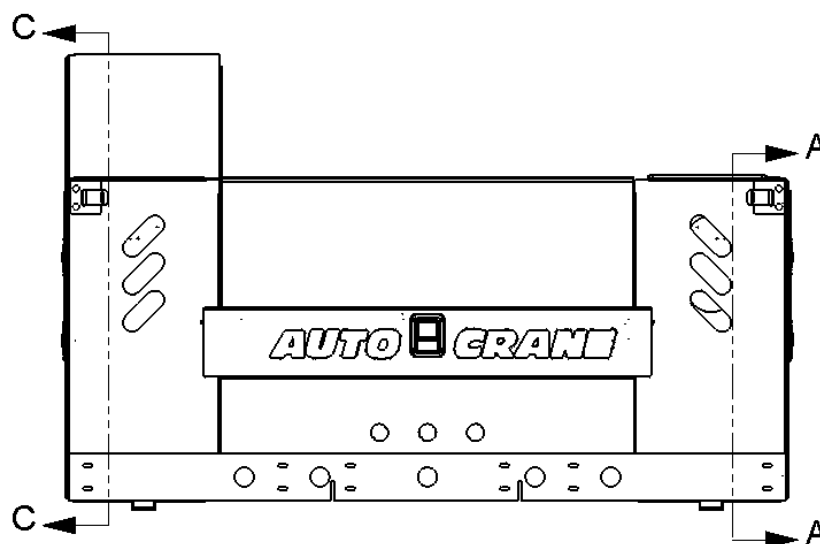
# **MASTER LOCK SYSTEM** **TITAN 16/60CA - P/N: 715309-XXX**



**DETAIL B**

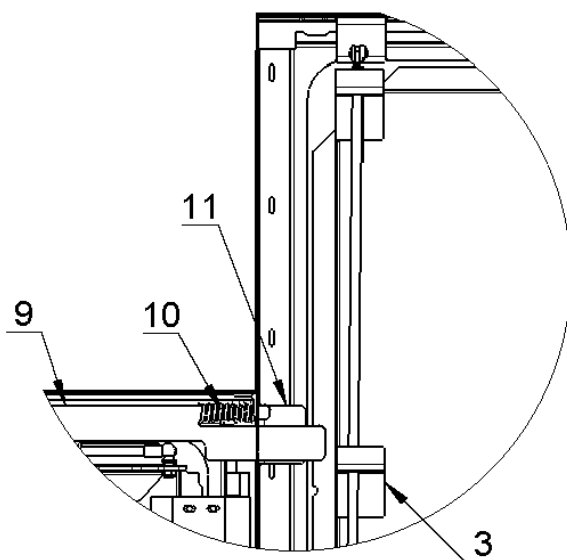


**SECTION A-A**

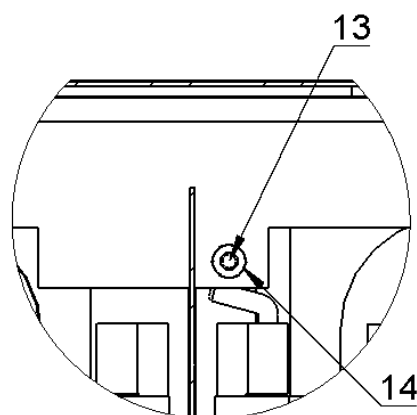


**INSTALLATION INTO BOTH LS AND RS STD SIDE PACKS ARE THE SAME**

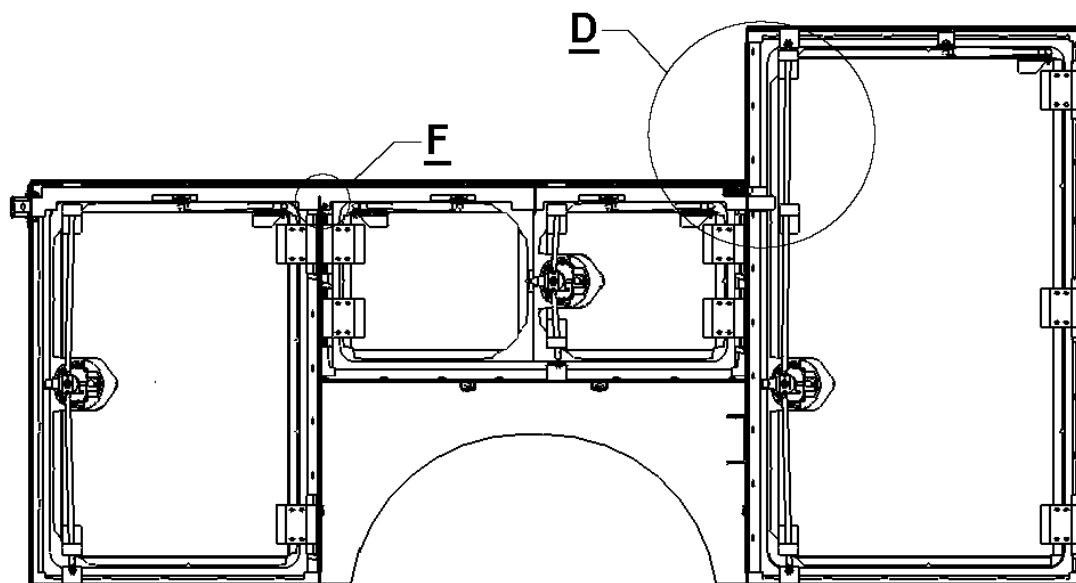
**MASTER LOCK SYSTEM**  
**TITAN 16/60CA - P/N: 715309-XXX**



**DETAIL D**



**DETAIL F**



**SECTION C-C**

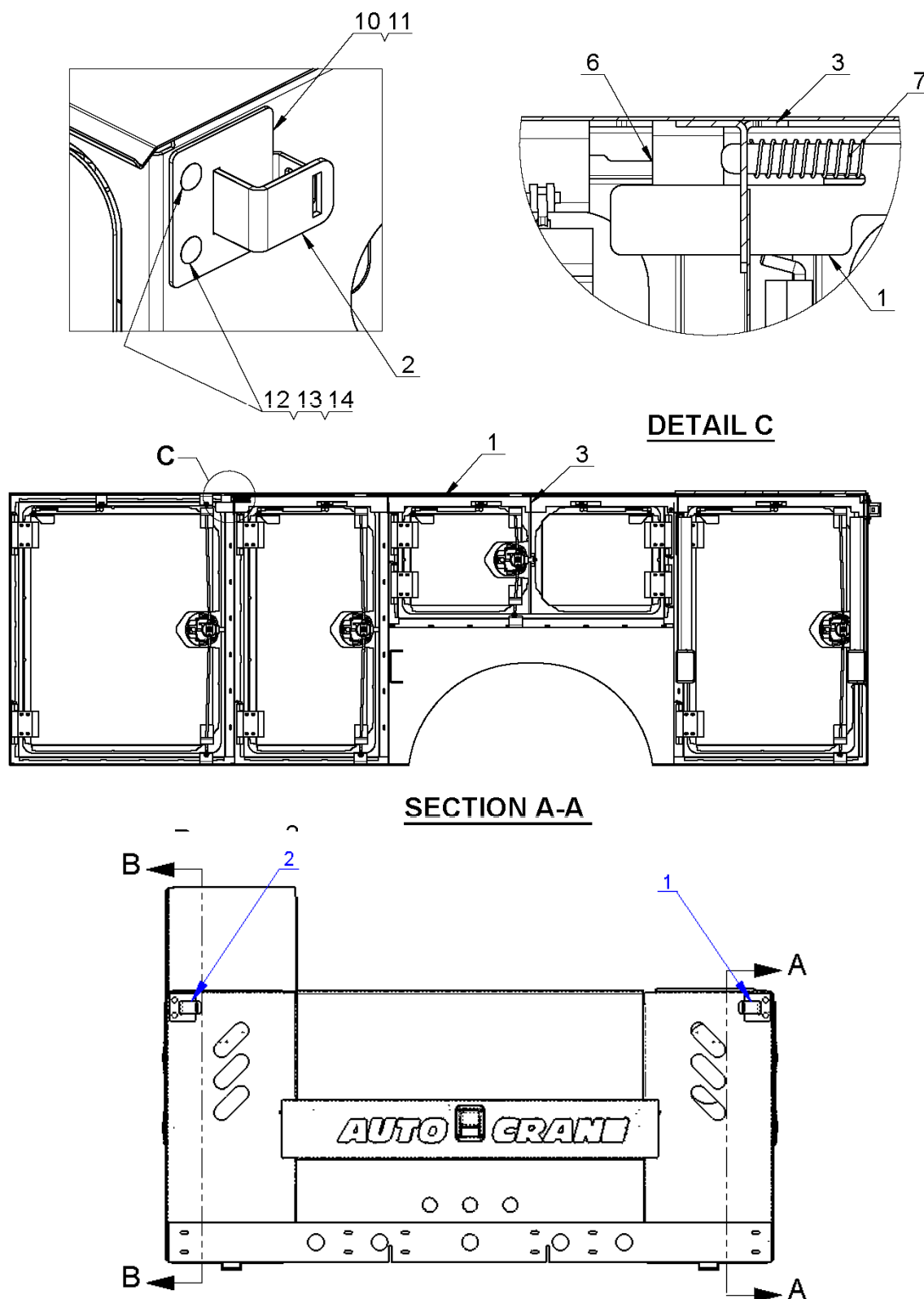
# MASTER LOCK SYSTEM

## TITAN 16/60CA - P/N: 715309-XXX

| ITEM NO. | DESCRIPTION                       | PART NUMBER | -100 STD | -101 CS TALL | -102 SS TALL | -103 DBL |
|----------|-----------------------------------|-------------|----------|--------------|--------------|----------|
| 1        | MASTER LOCK GUIDE                 | 560119000   | 4        | 3            | 3            | 2        |
| 2        | NUT HX 3/8-16UNC                  | 330372000   | 4        | 4            | 4            | 4        |
| 3        | MASTER LOCK TALL LOCKING BRACKET  | 715309130   | -        | 1            | 1            | 2        |
| 4        | WASHER SP LK 3/8                  | 021100000   | 4        | 4            | 4            | 4        |
| 5        | MASTER LOCK LOCKING PLATE         | 560121001   | 2        | 2            | 2            | 2        |
| 6        | SCREW CARRIAGE 3/8-16UNC X 1 LG   | 560138000   | 4        | 4            | 4            | 4        |
| 7        | GASKET MASTERLOCK                 | 560139000   | 2        | 2            | 2            | 2        |
| 8        | MASTER LOCKING BAR (CS) CABINET   | 715309110   | 1        | 1            | 1            | 1        |
| 9        | MASTER LOCKING BAR (SS) CABINET   | 715309120   | 1        | 1            | 1            | 1        |
| 10       | SPRING                            | 736730000   | 2        | 2            | 2            | 2        |
| 11       | MASTER LOCKING GUIDE TALL         | 715309140   | -        | 1            | 1            | 2        |
| 12       | MASTER LOCKING GUIDE              | 715309150   | 2        | 1            | 1            | -        |
| 13       | SCREW HX HD 1/4-20UNC X 5/8 LG CP | 005401000   | 2        | 2            | 2            | 2        |
| 14       | NUT HX NYLK 1/4-20UNC             | 016300000   | 2        | 2            | 2            | 2        |

## ***NOTES***

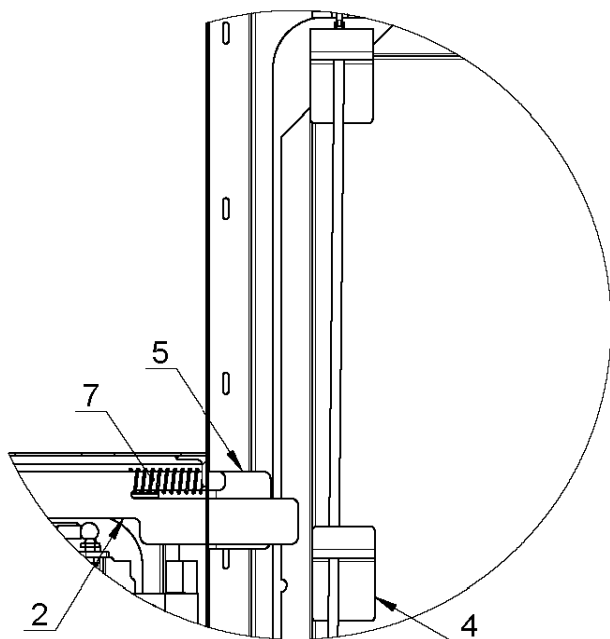
# MASTER LOCK SYSTEM TITAN SERIES 16/84CA - P/N: 715319-XXX



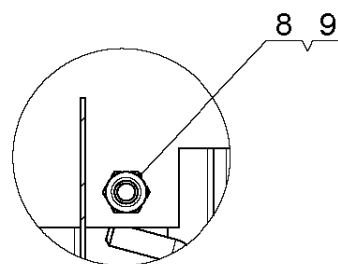
INSTALLATION INTO BOTH LS AND RS STD SIDE PACKS ARE THE SAME

# **MASTER LOCK SYSTEM**

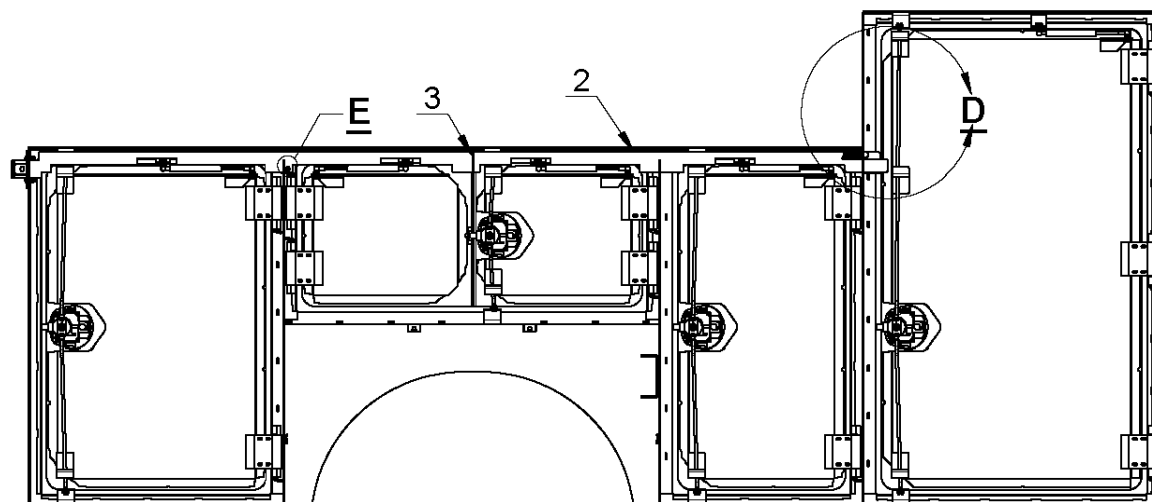
## **TITAN SERIES 16/84CA - P/N: 715319-XXX**



**DETAIL D**



**DETAIL E**



**SECTION B-B**

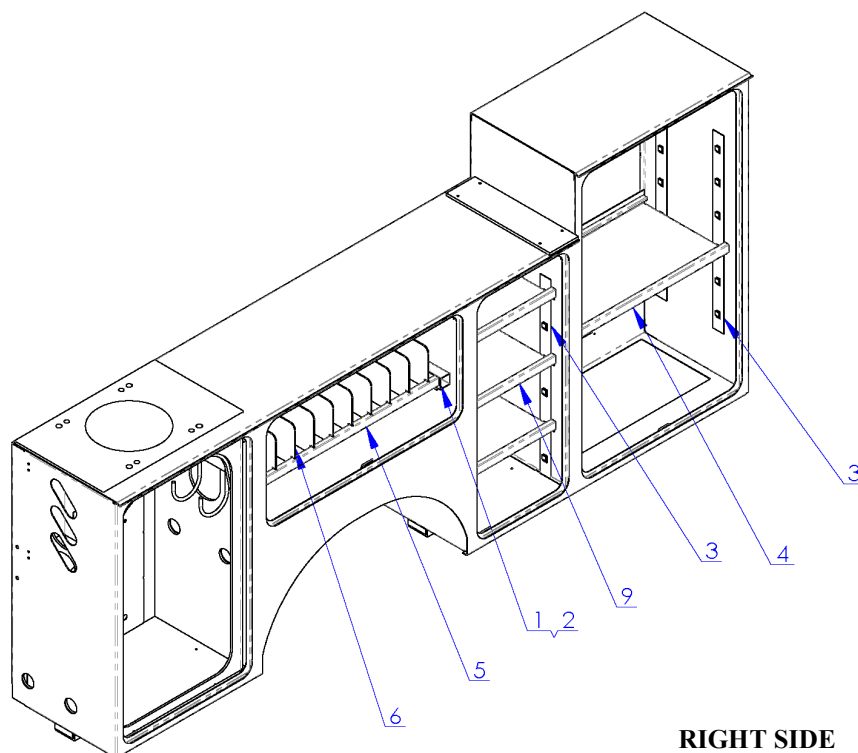
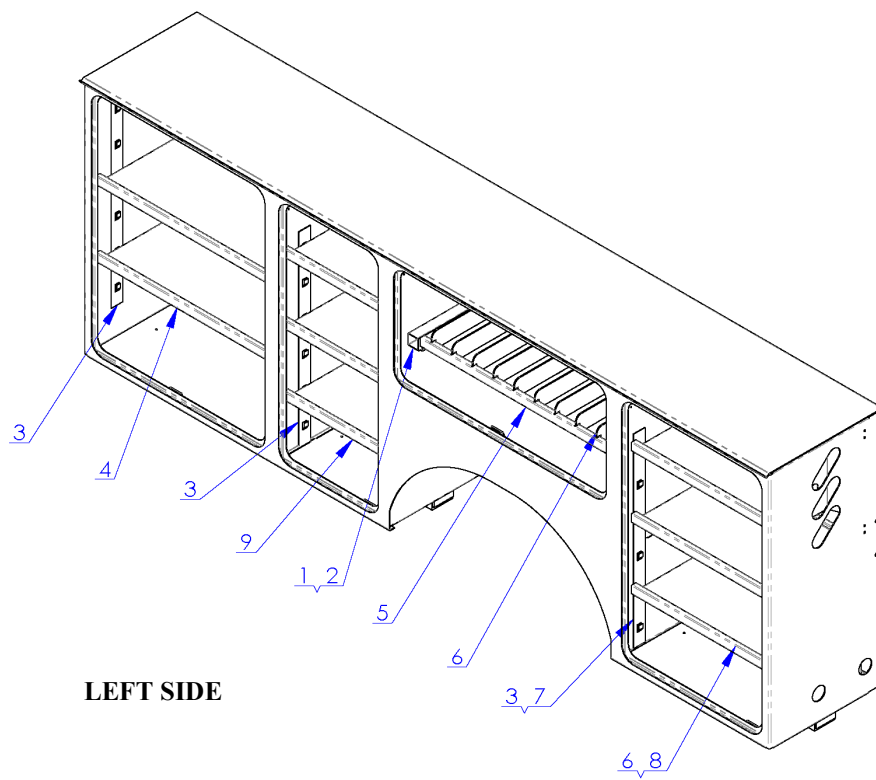
# MASTER LOCK SYSTEM

## TITAN SERIES 16/84CA - P/N: 715319-XXX

| ITEM NO. | DESCRIPTION                                | PART NUMBER | -100 STD/QTY. | -101 CS TALL/QTY. | -102 SS TALL/QTY | -103 DBL TALL/QTY. |
|----------|--------------------------------------------|-------------|---------------|-------------------|------------------|--------------------|
| 1        | MASTER LOCKING BAR, T-16/84CA, CABINET, CS | 715319110   | 1             | 1                 | 1                | 1                  |
| 2        | MASTER LOCKING BAR, T-16/84CA, CABINET, SS | 715319120   | 1             | 1                 | 1                | 1                  |
| 3        | MASTER LOCK GUIDE                          | 560119000   | 4             | 3                 | 3                | 2                  |
| 4        | MASTER LOCK TALL LOCKING BRACKET           | 715309130   | -             | 1                 | 1                | 2                  |
| 5        | MASTER LOCKING GUIDE TALL                  | 715309140   | -             | 1                 | 1                | 2                  |
| 6        | MASTER LOCKING GUIDE                       | 715309150   | 2             | 1                 | 1                | -                  |
| 7        | SPRING                                     | 736730000   | 2             | 2                 | 2                | 2                  |
| 8        | NUT HX NYLK 1/4-20UNC                      | 016300000   | 2             | 2                 | 2                | 2                  |
| 9        | SCREW HX HD 1/4-20UNC X 5/8 LG CP          | 005401000   | 2             | 2                 | 2                | 2                  |
| 10       | MASTER LOCK LOCKING PLATE                  | 560121001   | 2             | 2                 | 2                | 2                  |
| 11       | GASKET MASTERLOCK                          | 560139000   | 2             | 2                 | 2                | 2                  |
| 12       | SCREW CARRIAGE 3/8-16UNC X 1 LG            | 560138000   | 4             | 4                 | 4                | 4                  |
| 13       | WASHER SP LK 3/8                           | 021100000   | 4             | 4                 | 4                | 4                  |
| 14       | NUT HX 3/8-16UNC                           | 330372000   | 4             | 4                 | 4                | 4                  |

## ***NOTES***

# SHELF LOCATION TITAN SERIES 715070-XXX



# ***SHELF LOCATION TITAN SERIES 715070-XXX***

| <b>ITEM<br/>NO.</b> | <b>PART<br/>NUMBER</b> | <b>DESCRIPTION</b>               | <b>000<br/>QTY</b> | <b>001<br/>QTY</b> | <b>002<br/>QTY</b> |
|---------------------|------------------------|----------------------------------|--------------------|--------------------|--------------------|
| 1                   | 340196000              | TBG SQ 2 X .083W X 17            | 8                  | -                  | 8                  |
| 2                   | 715071000              | SHELF STRIP SUPPORT 17"LG        | 8                  | -                  | 8                  |
| 3                   | 750799000              | SHELF STRIP SUPPORT 36"          | 8                  | 4                  | 16                 |
| 4                   | 715078000              | SHELF FRONT TITAN 16             | 4                  | -                  | 4                  |
| 5                   | 715073000              | SHELF HORIZ. TITAN 16            | 2                  | -                  | 2                  |
| 6                   | 715076000              | TITAN 16 SHELF DIVIDER (PLASTIC) | 20                 | 2                  | 20                 |
| 7                   | 560227000              | TBG SQ 2 1/2 X .120W X 36        | -                  | 2                  | -                  |
| 8                   | 715074000              | SHELF REAR TITAN 16              | -                  | 3                  | -                  |
| 9                   | 715079000              | SHELF MID TITAN 16               | -                  | -                  | 4                  |

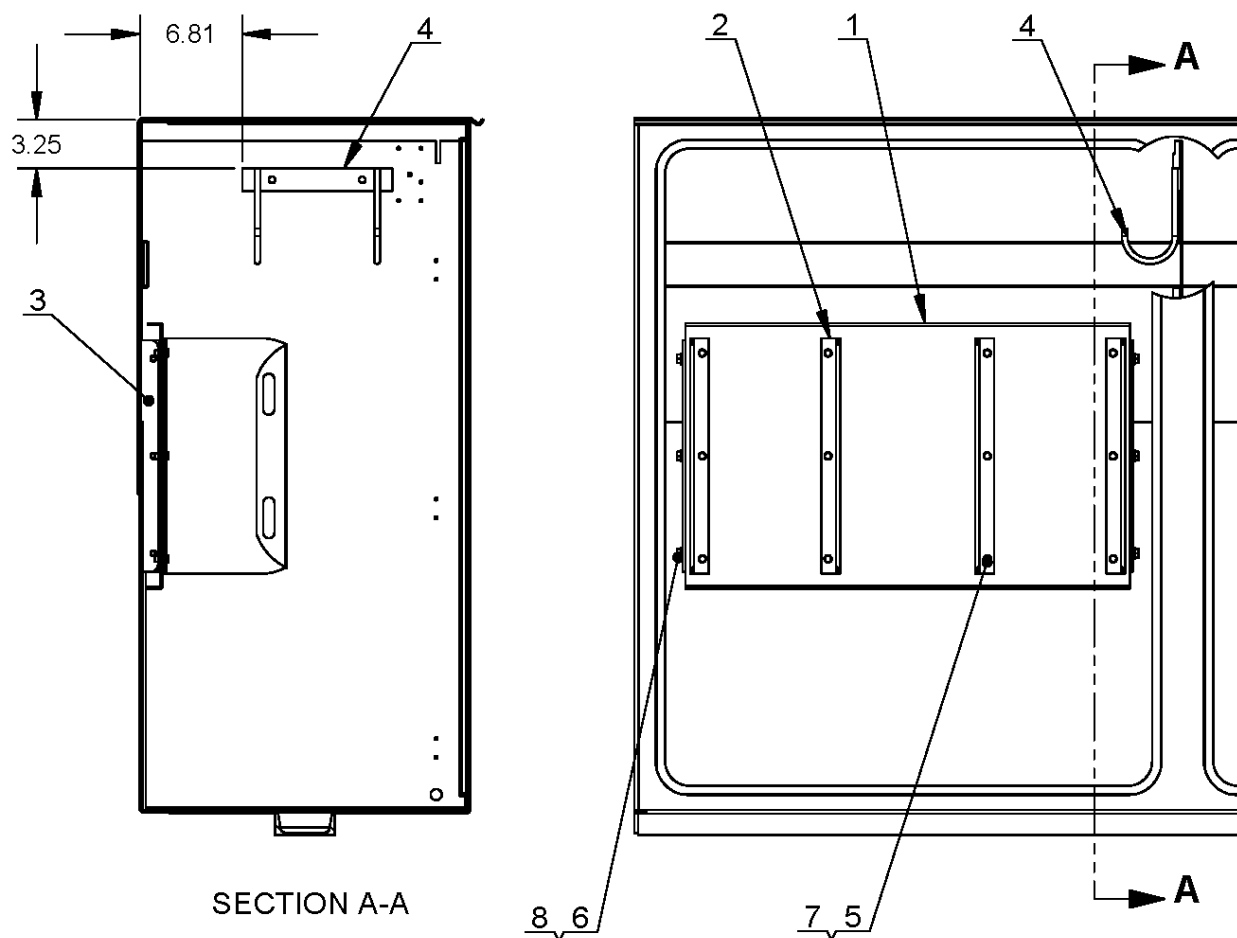
NOTE:

000 EQUALS TITAN 16/60 CA BODY SHELVING

001 EQUALS ONLY SHELVING/REAR COMP. OPPOSITE CRANE BOX

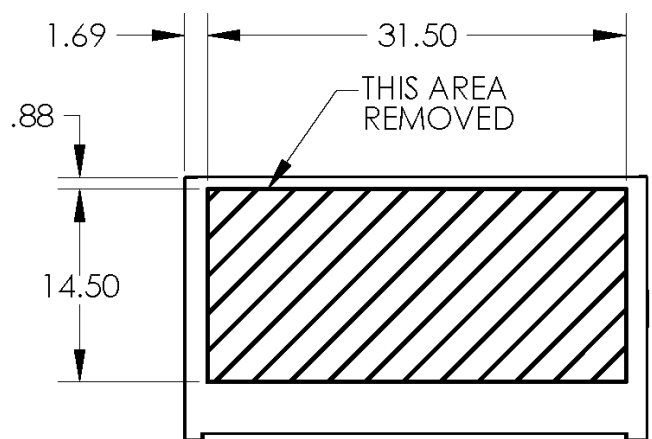
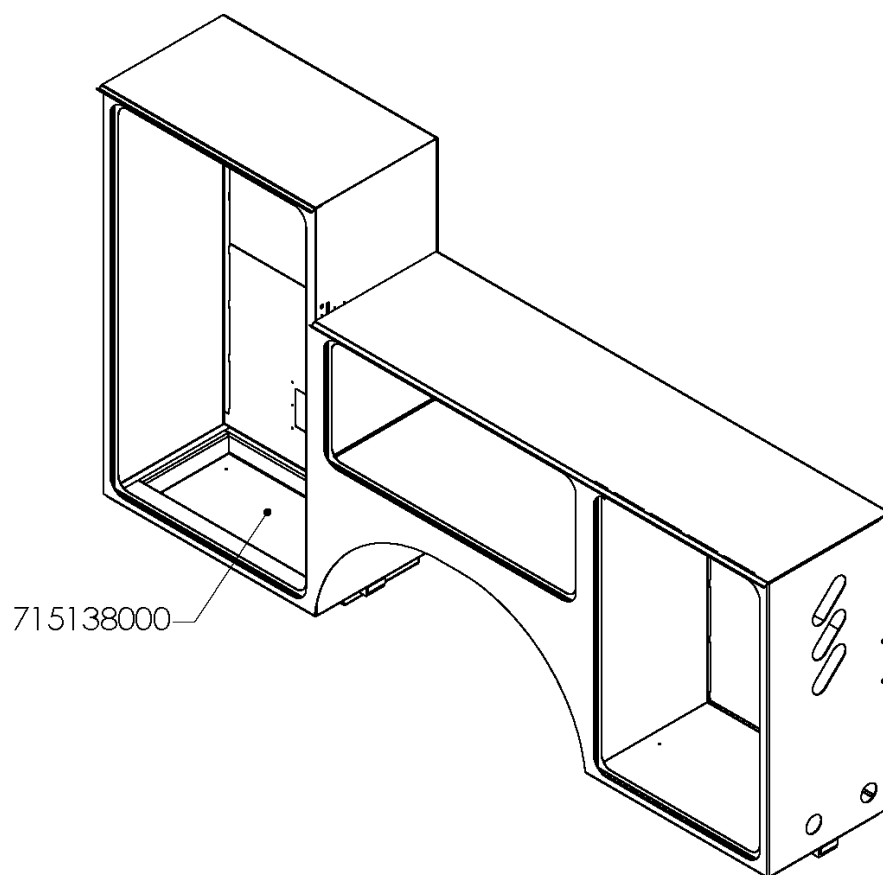
002 EQUALS TITAN 16/84 CA BODY SHELVING

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

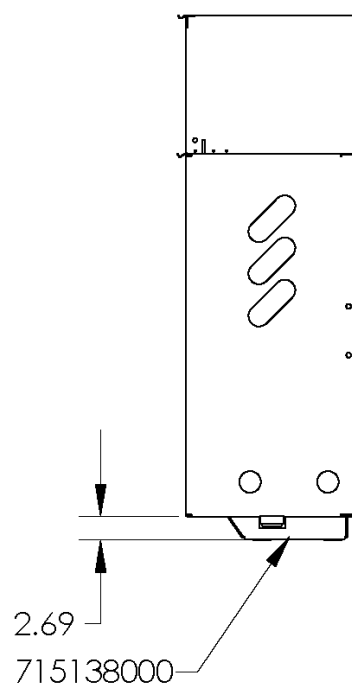


| ITEM NO. | QTY. | PART NO.  | DESCRIPTION                         |
|----------|------|-----------|-------------------------------------|
| 1        | 1    | 736226000 | 36K OXY-ACET MTG PLT ASSY           |
| 2        | 4    | 736229000 | DIVIDER PNL - OXY/ACET              |
| 3        | 2    | 736231000 | BAR OXY-ACET MTG                    |
| 4        | 1    | 750613000 | HOSE HOOK WDMT                      |
| 5        | 12   | 005500000 | SCREW HX HD 1/4-20UNC X 3/4 LG      |
| 6        | 6    | 008400000 | SCREW HX HD 3/8-16UNC X 3/4 LG GR 5 |
| 7        | 12   | 020200000 | WASHER SP LK 1/4                    |
| 8        | 6    | 021100000 | WASHER SP LK 3/8                    |

# ***DROP WELL TITAN SERIES***



FRONT COMP MODIFICATION  
CUTOUT DETAIL FOR DROP BOX



## ***NOTES***

# ROPE LIGHT KIT

## TITAN SERIES - P/N: 560271-XXX

3.36 WATTS PER FOOT  
LAMPS SPACED EVERY 1"

BULB LIFE:

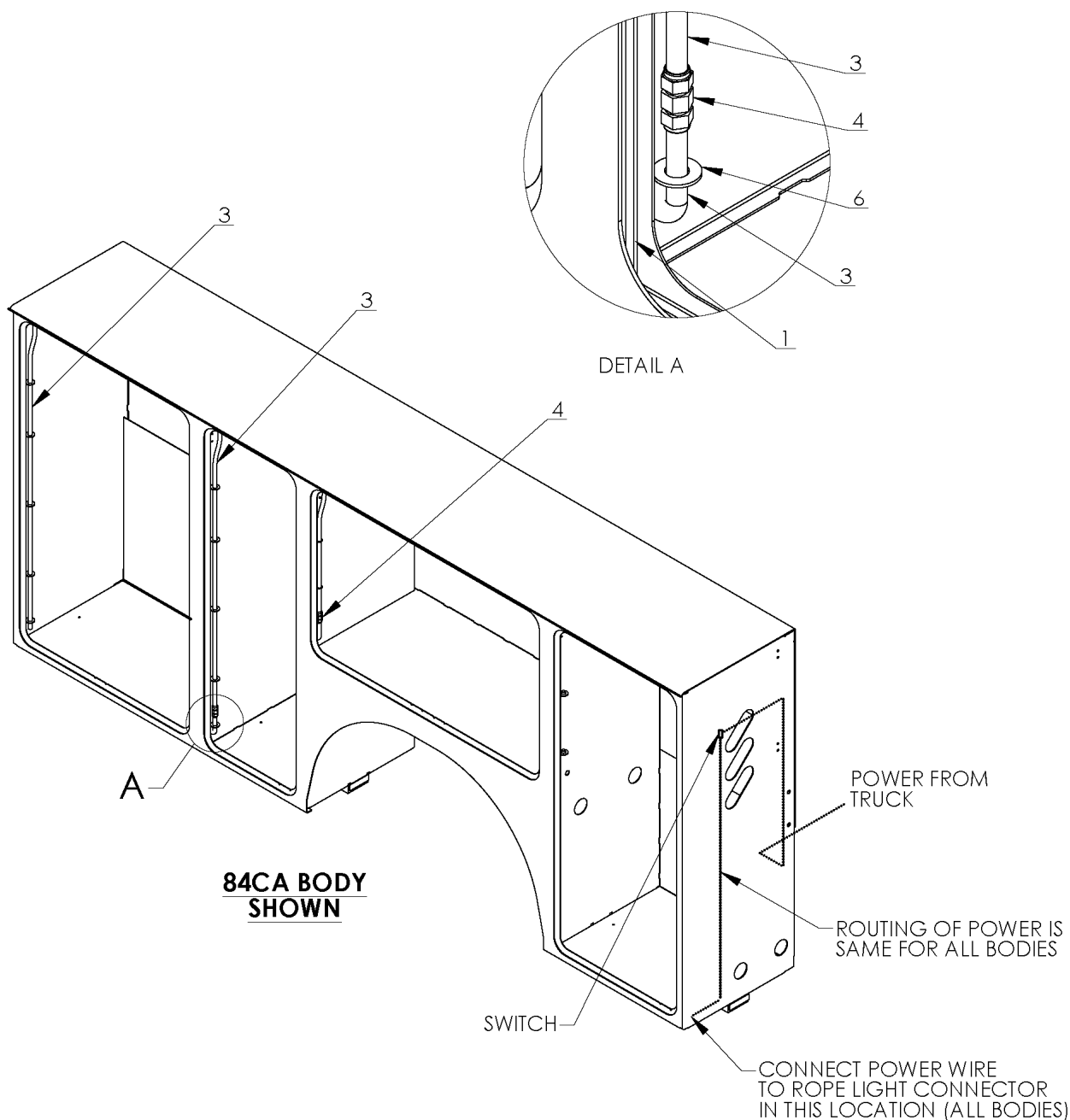
25,000 HOURS

TEMP RATING:

+140 TO -40 DEGREES F

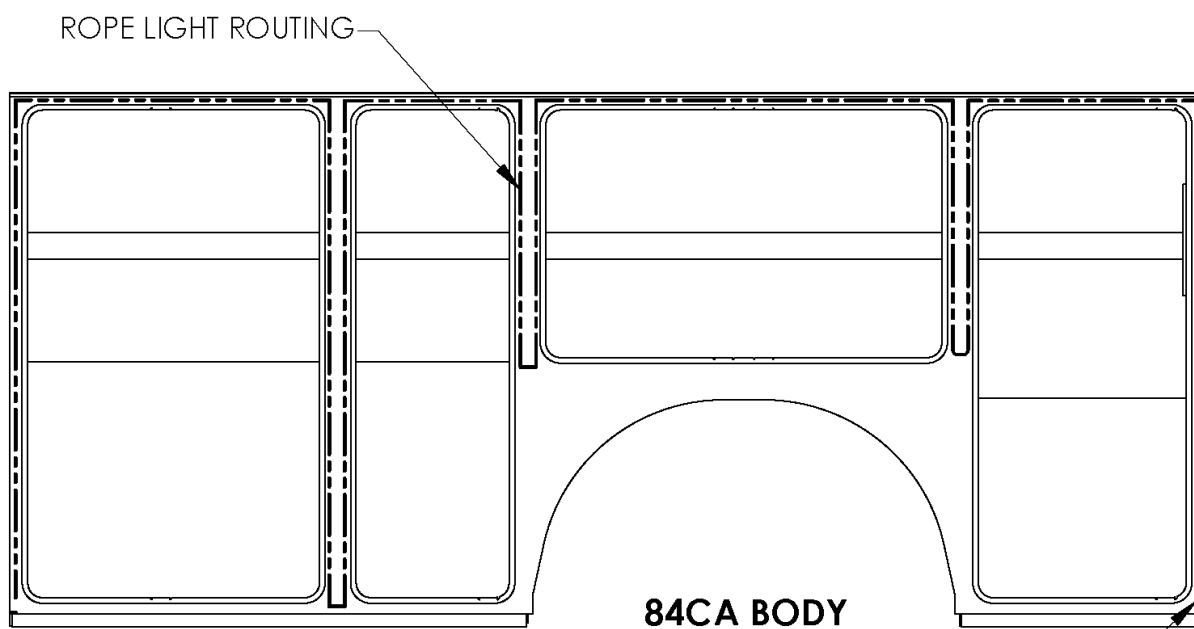
LUMINOUS INTENSITY:

350 L

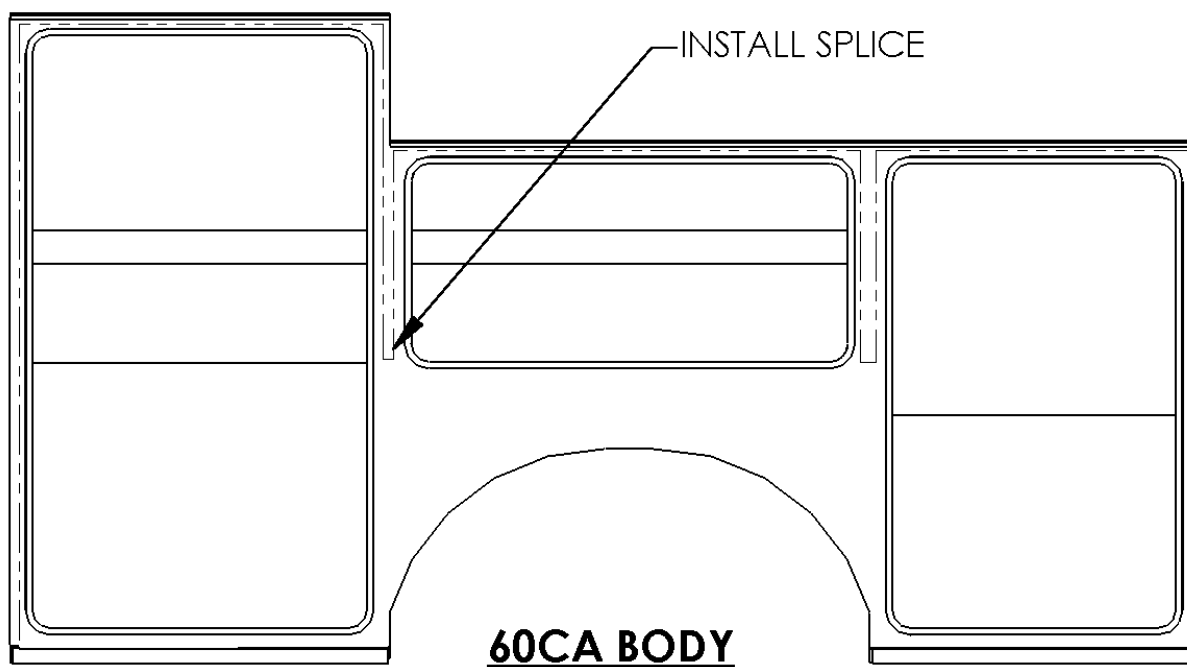


# **ROPE LIGHT KIT**

## **TITAN SERIES - P/N: 560271-XXX**

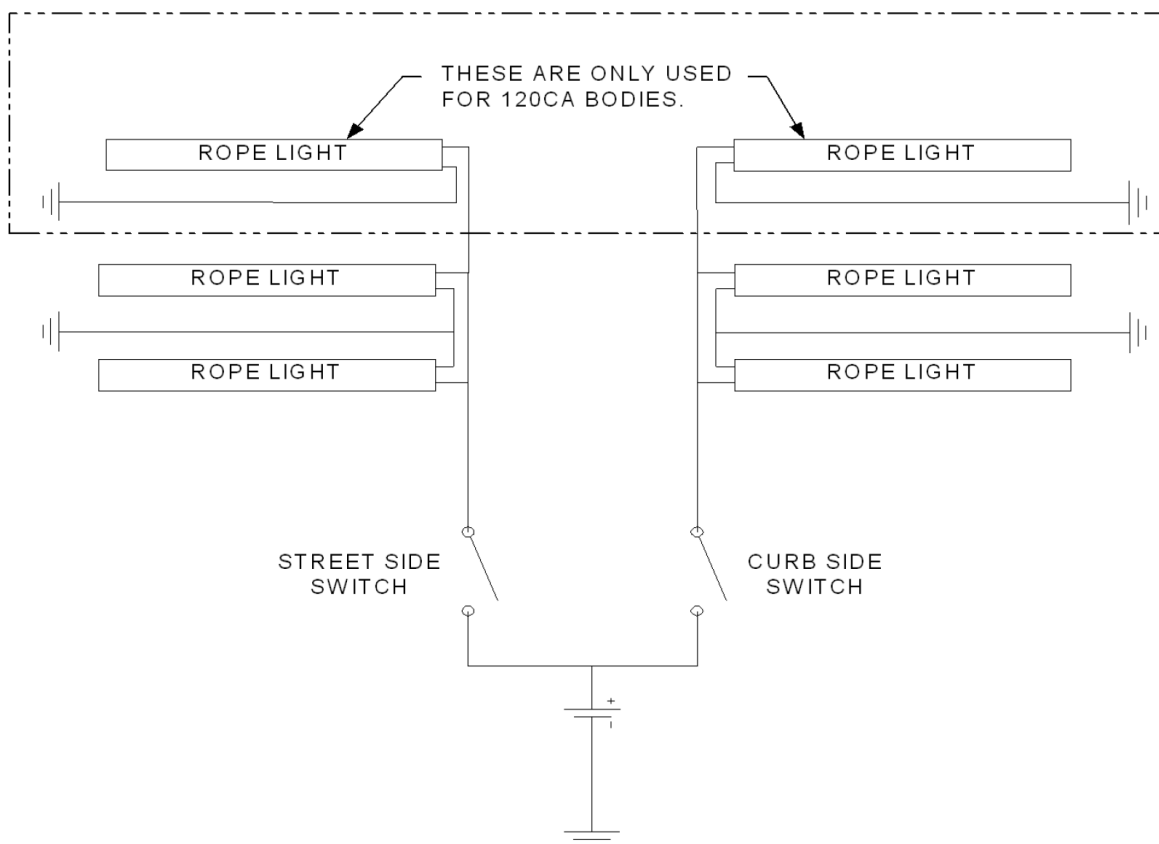


CONNECT POWER WIRE  
TO ROPE LIGHT CONNECTOR  
IN THIS LOCATION (ALL BODIES)



# ROPE LIGHT KIT

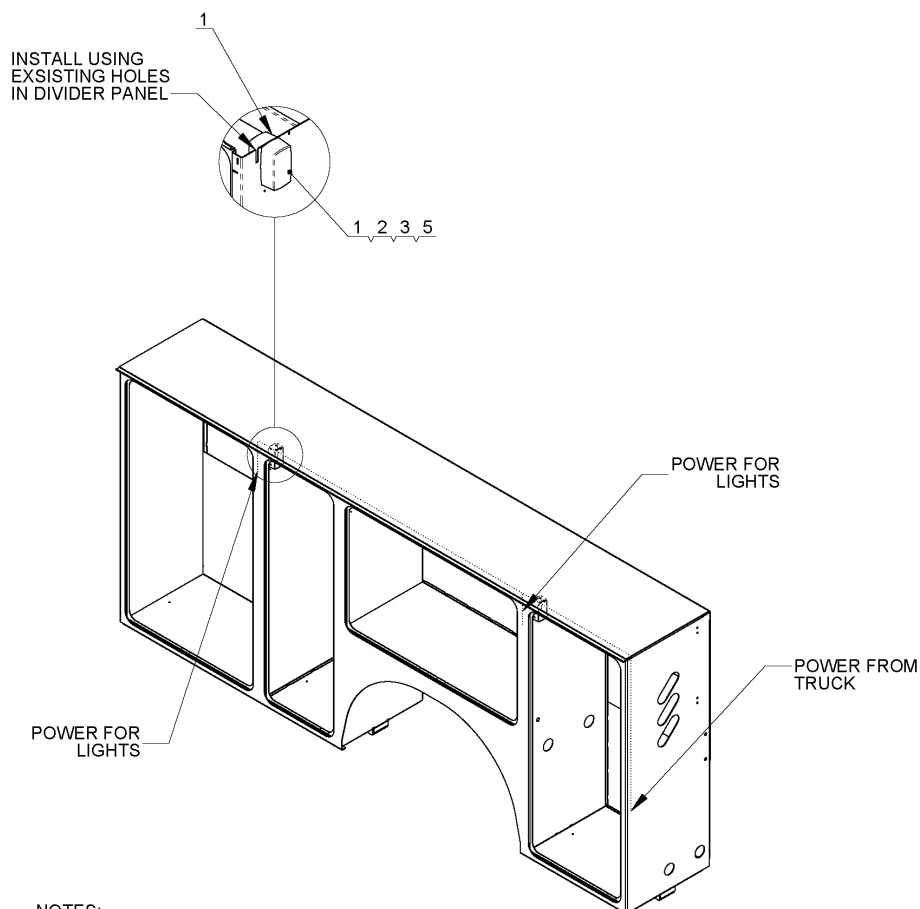
## TITAN SERIES - P/N: 560271-XXX



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

# COMPARTMENT LIGHT KIT

## TITAN SERIES - P/N: 560271-XXX

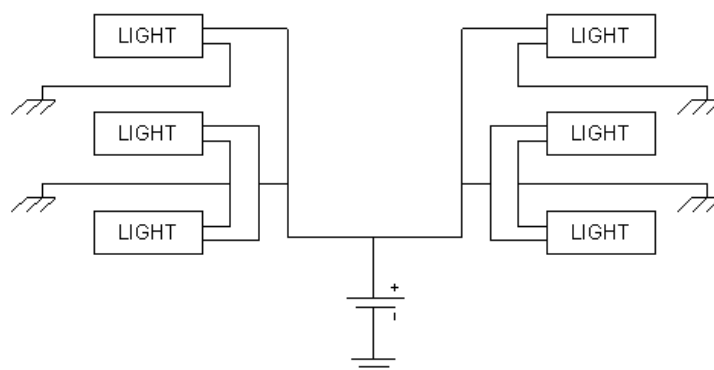


- NOTES:
1. MOUNTING FOR 84 CA IS SHOWN. MOUNTING FOR 120CA AND 60 CA ARE SIMILAR. SEE NEXT SHEET FOR WIRING DIAGRAM.
  2. LEFT SIDE ROUTING SHOWN. RIGHT SIDE OPPOSITE.

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

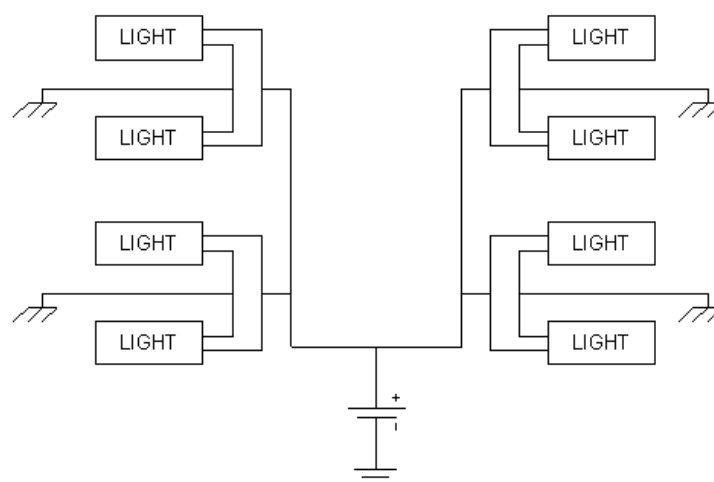
# **COMPARTMENT LIGHT KIT**

## **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**

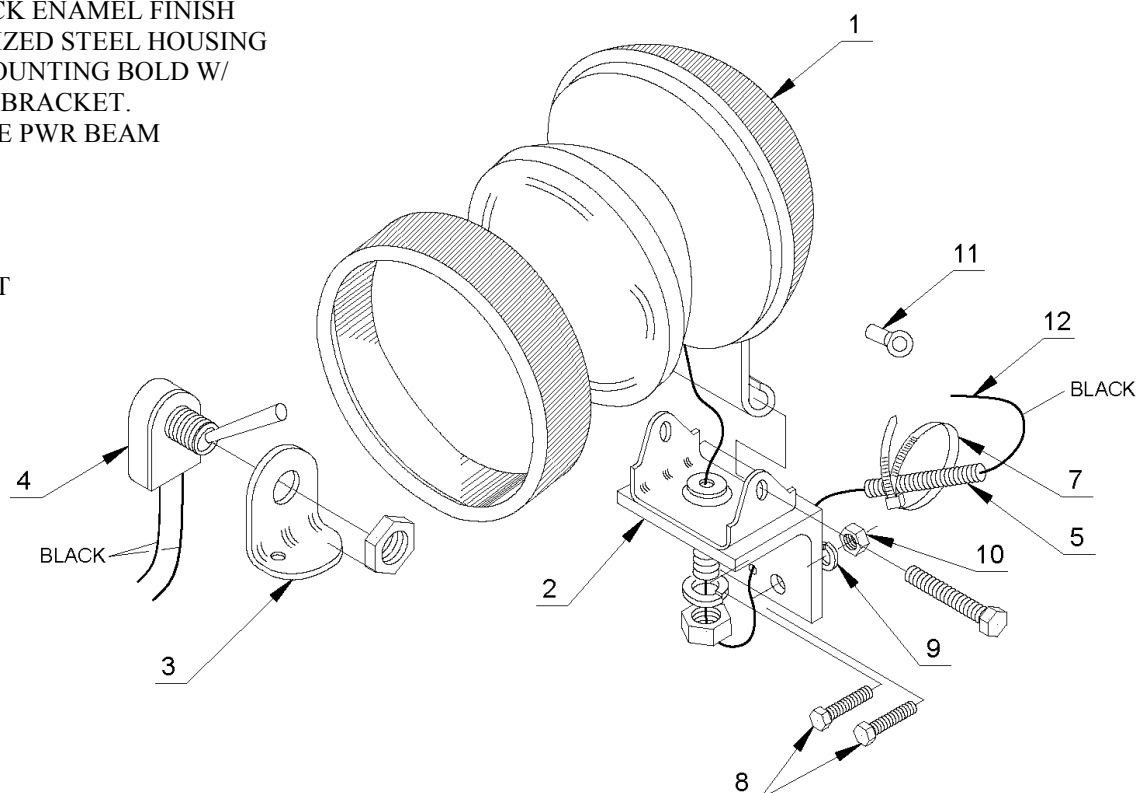
THE COMPARTMENT LIGHTS ARE MOUNTED BACK TO BACK ON THE DIVIDER PANEL BETWEEN THE FRONT AND MID COMPARTMENT AS WELL AS THE HORIZONTAL AND REAR COMPARTMENTS.

# FLOOD LIGHT KIT

## TITAN SERIES - P/N:750825000

### SPECIFICATIONS:

- A. 408 TRACTOR LIGHT
- B. BAKED BLACK ENAMEL FINISH  
ON BONDORIZED STEEL HOUSING
- C. HOLLOW MOUNTING BOLD W/  
SWIVELING BRACKET.
- D. 3000 CANDLE PWR BEAM
- E. 55 WATTS
- F. 12 VOLTS
- G. 4.5 AMPS
- H. 5" DIA,  
6 1/4" HEIGHT  
2 3/4" DEPTH



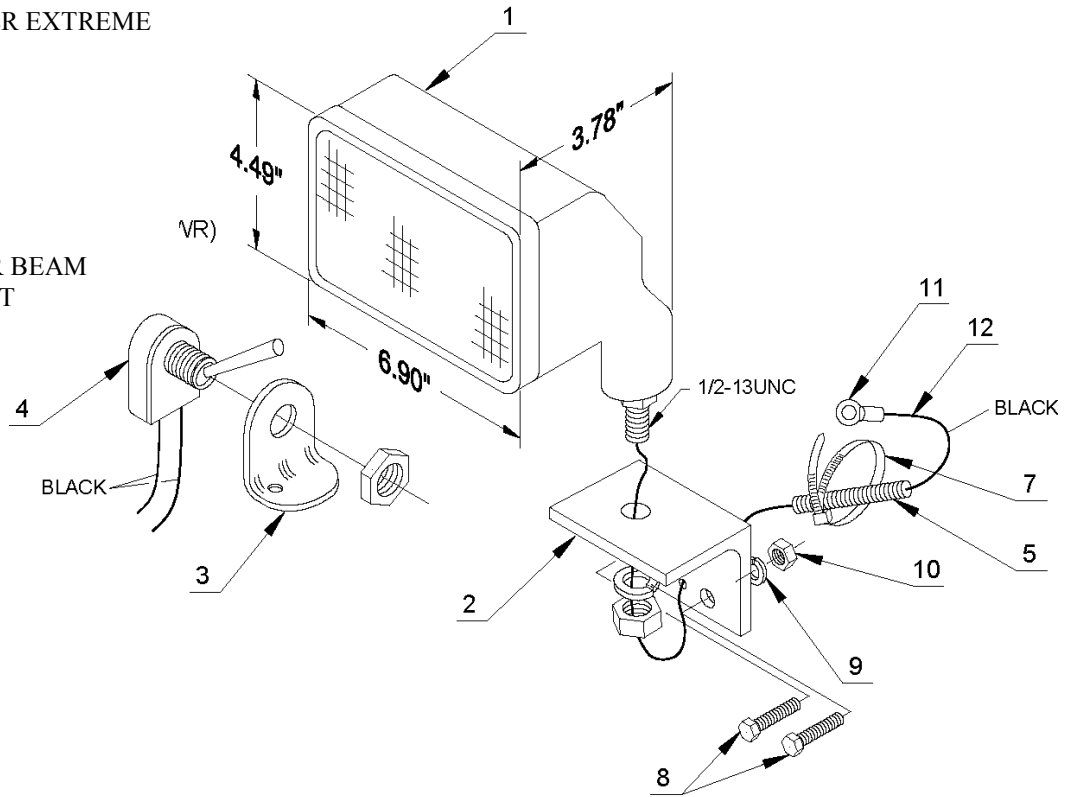
| ITEM NO. | QTY   | PART NUMBER | DESCRIPTION                    |
|----------|-------|-------------|--------------------------------|
| 1        | 1     | 750731000   | LIGHT, FLOOD                   |
| 2        | 1     | 750878000   | BRKT MNTG SPOTLIGHT            |
| 3        | 1     | 750877000   | BRACKET MOUNTING SWITCH        |
| 4        | 1     | 750739000   | SWITCH TOGGLE(ON-OFF)          |
| 5        | 12 FT | 750736000   | LOOM CONVOLUTED                |
| 6        | 1     | 750738000   | STICK-ON, CABLE TIE MOUNT      |
| 7        | 1     | 750737000   | TIE, CABLE                     |
| 8        | 2     | 006200000   | SCREW HX HD 1/4UNC X 1 1/4 GR5 |
| 9        | 2     | 020200000   | WASHER SP LK 1/4 STAINLESS     |
| 10       | 2     | 015900000   | NUT HX 1/4-20UNC SS            |
| 11       | 2     | 000302000   | TERMINAL WR 2R814              |
| 12       | 12 FT | 800590000   | WIRE 16G 600V 1C BLK           |

# FLOOD LIGHT KIT

## TITAN SERIES - P/N:750825001

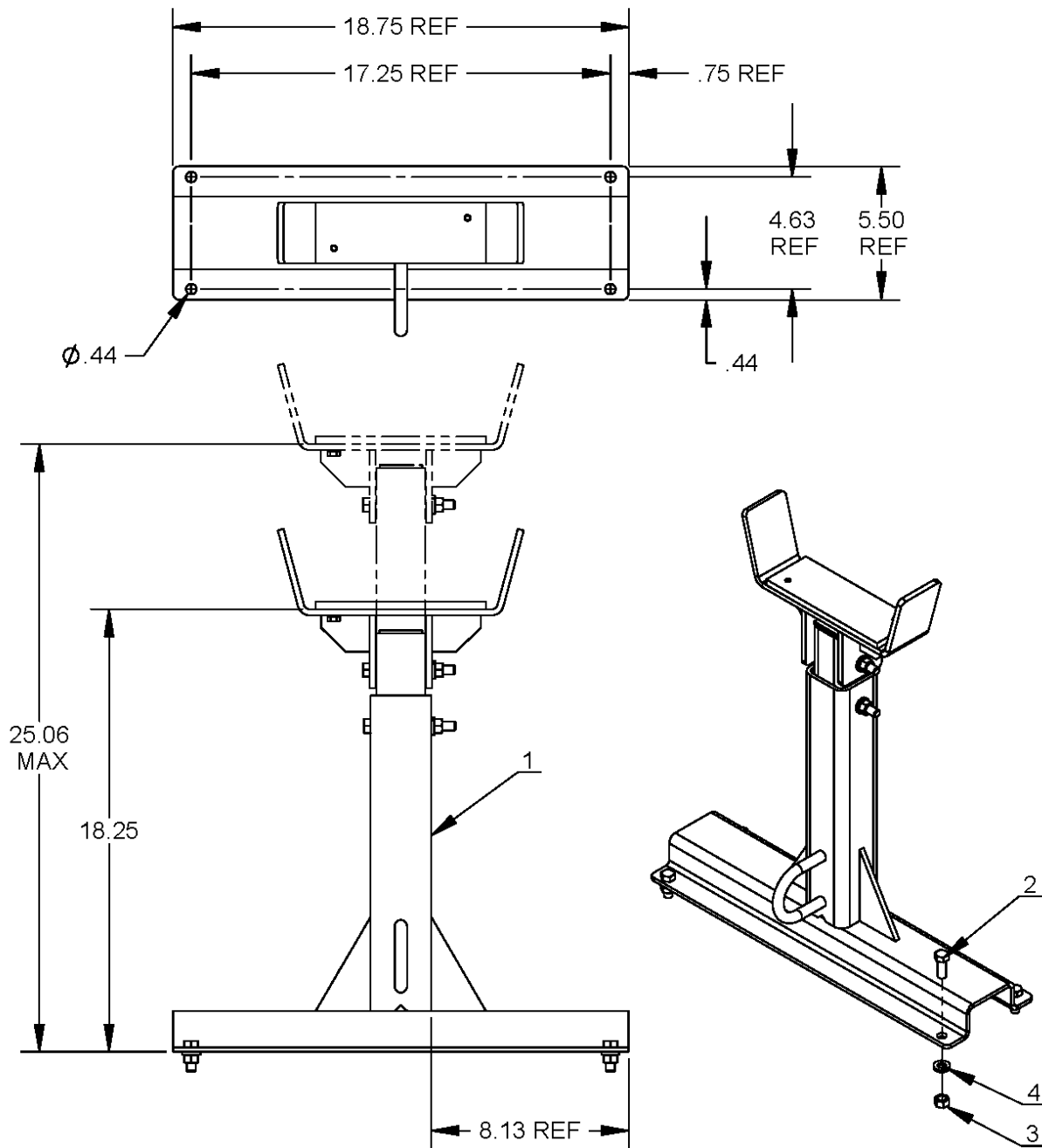
### SPECIFICATIONS:

- 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. SOPT
- G. 12 VOLTS
- H. 50 WATTS
- I. 4 AMPS
- J. 200,000 CANDLE PWR BEAM
- K. EASY SWIVEL MOUNT



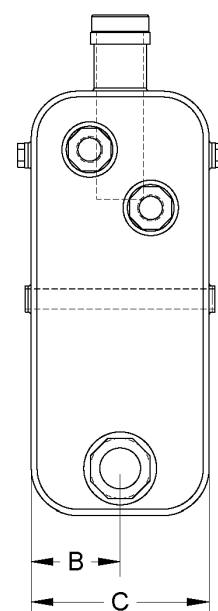
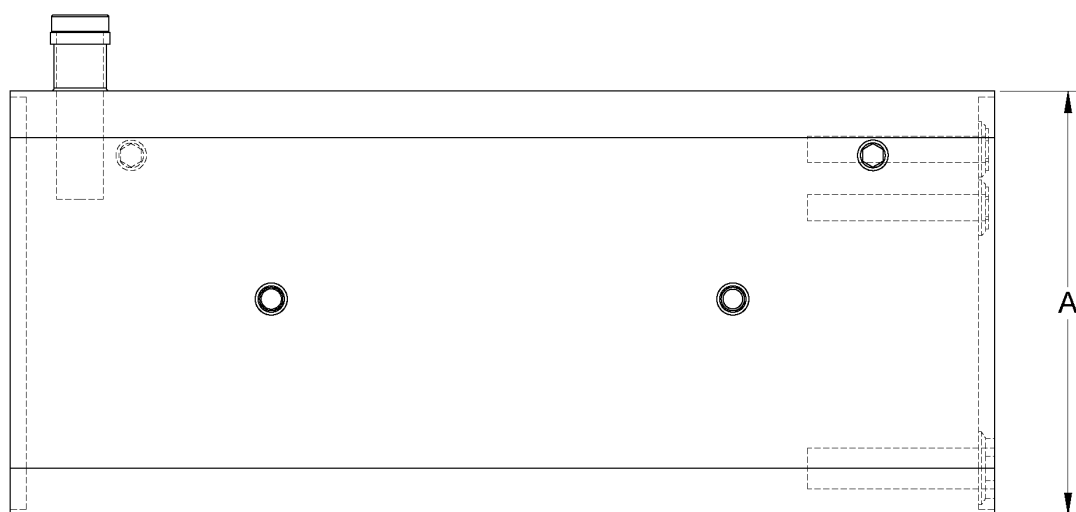
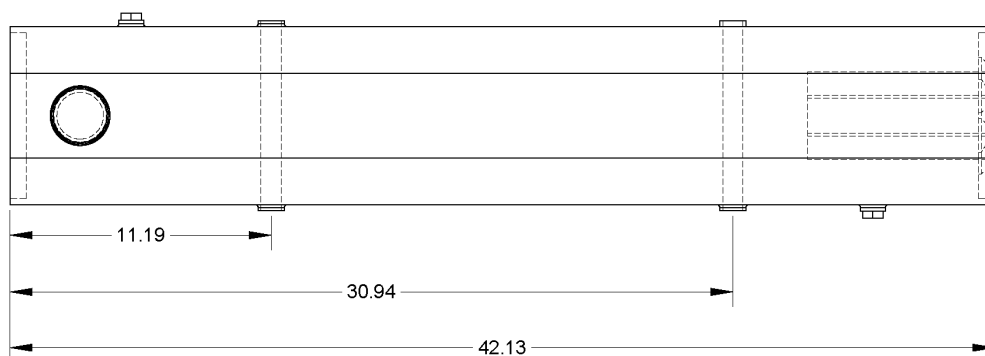
| ITEM NO. | QTY   | PART NUMBER | DESCRIPTION                    |
|----------|-------|-------------|--------------------------------|
| 1        | 1     | 750026000   | LIGHT, SEALED BEAM             |
| 2        | 1     | 750878000   | BRKT MNTG SPOTLIGHT            |
| 3        | 1     | 750877000   | BRACKET MOUNTING SWITCH        |
| 4        | 1     | 750739000   | SWITCH TOGGLE(ON-OFF)          |
| 5        | 12 FT | 750736000   | LOOM CONVOLUTED                |
| 6        | 1     | 750738000   | STICK-ON, CABLE TIE MOUNT      |
| 7        | 1     | 750737000   | TIE, CABLE                     |
| 8        | 2     | 006200000   | SCREW HX HD 1/4UNC X 1 1/4 GR5 |
| 9        | 2     | 020200000   | WASHER SP LK 1/4 STAINLESS     |
| 10       | 2     | 015900000   | NUT HX 1/4-20UNC SS            |
| 11       | 2     | 000302000   | TERMINAL WR 2R814              |
| 12       | 12 FT | 800590000   | WIRE 16G 600V 1C BLK           |

# BOOM SUPPORT TITAN SERIES



| ITEM NO. | QTY. | PART NO.  | DESCRIPTION                      |
|----------|------|-----------|----------------------------------|
| 1        | 1    | 715061000 | TITAN 16 BOOM SUPPORT ASSY       |
| 2        | 4    | 330371000 | SCREW HX HD 3/8-16UNC X 1 LG GR8 |
| 3        | 4    | 330372000 | NUT HEX 3/8-16 UNC               |
| 4        | 4    | 021100000 | WASHER SP LK 3/8                 |

# ***BULKHEAD RESERVOIR TITAN SERIES***



|                       | <b>A</b> | <b>B</b> | <b>C</b> |
|-----------------------|----------|----------|----------|
| 738498000 (23 GALLON) | 18.15    | 3.81     | 7.625    |
| 751095050 (36 GALLON) | 26.06    | 4.03     | 8.06     |

## **SERVICE PARTS INCLUDE**

- 751095051 - FILTER, RESERVOIR**
- 751095055 - CAP, FILLER BREATHER WITH STRAINER**
- 751095051 - FILTER ASSEMBLY**
- 751095056 - REPLACEMENT FILTER**

# ***FIRE EXTINGUISHER TITAN SERIES - P/N: 750061000***

## **TYPE:**

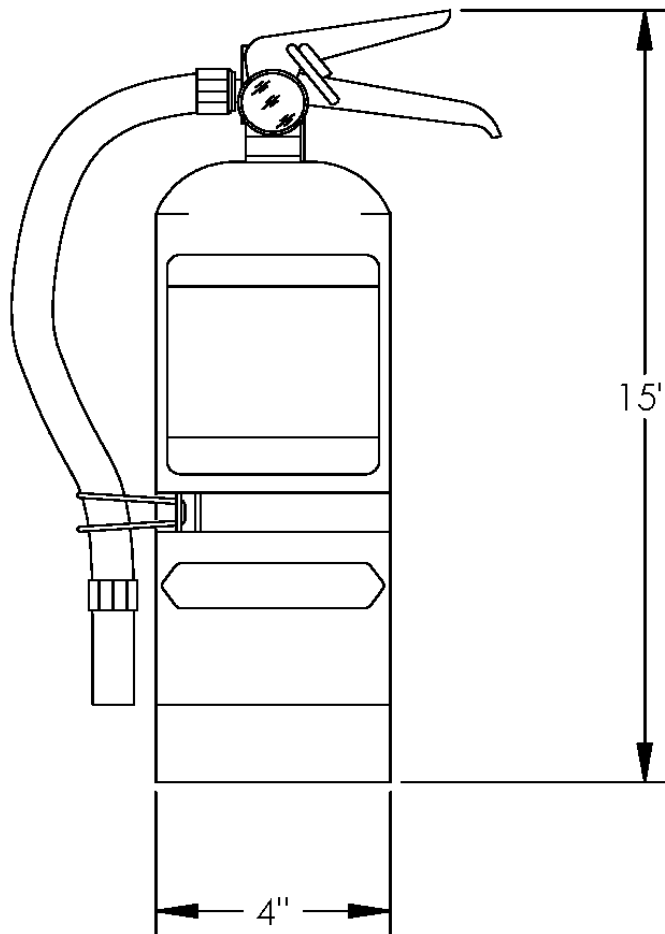
5LB/LEVER SQUEEZE/HOSE & HOSE/PRESSURE GAUGE  
PER NATIONAL FIRE PROTECTION ASSOCIATION STD. NO.10  
"PORTABLE FIRE EXTINGUISHERS

## **SPECIFICATIONS:**

- (A) UNDERWRITERS LABORATORIES (UL LISTED)
- (B) DRY CHEMICALS FIRE EXTINGUISHERS 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)

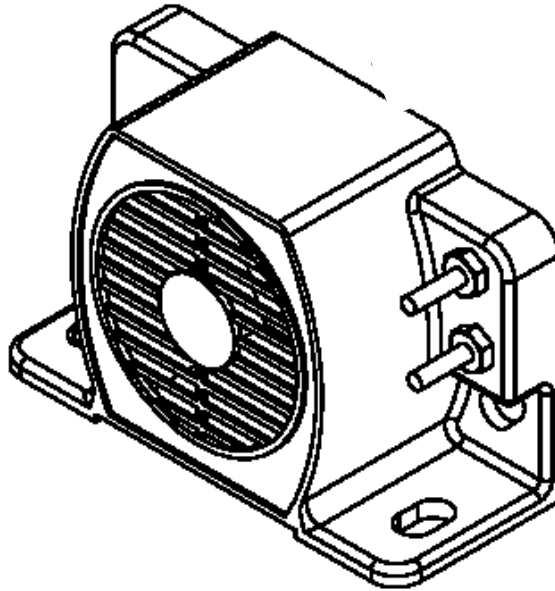
## **NOTE:**

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



# **BACK-UP ALARM**

## **TITAN SERIES - P/N:750681000**



### **DESCRIPTION**

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

VOLUME: 102 Db  
VOLTAGE: 12/24 VDC  
PULSE RATE: 90/MINUTE

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

### **MOUNTING INSTRUCTIONS**

1. DRILL TWO HOLES FOR 1/4" BOLTS 3 1/4 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 VIA SWITCH TO THE RED LEAD, CONNECT THE BLACK LEAD TO GROUND. ALARM WILL SOUND EACH TIME WHEN VEHICLE IS PLACED IN REVERSE.

# BODY PREVENTIVE MAINTENANCE 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: **(Note: Unbolt doors from body and paint separately per instructions shown below)**

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. Allow paint to fully cure before delivery to customer.



P.O. Box 580697 \* Tulsa, OK 74158-0697  
4707 N. Mingo Rd. \* Phone (918) 836-0463

## 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**



P.O. Box 580697 \* Tulsa, OK 74158-0697  
4707 N. Mingo Rd. \* Phone (918) 836-0463

## 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.



P.O. Box 580697 \* Tulsa, OK 74158-0697  
4707 N. Mingo Rd. \* Phone (918) 438-2760

## 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.**

