Auto Crane Warranty Registration

Fax Transmission

To: Warranty Department
From: ____________________________
Re: Product Registration

Fax: 1-888-848-5445
Date: ____________________________
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 74158-0897

Warranty Registration
Rev. 5/19/11
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.
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.
# TABLE OF CONTENTS

**TITAN 50 BODY**

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITAN BODY INTRODUCTION</td>
<td>1-1.0</td>
</tr>
<tr>
<td>GENERAL DIMENSIONS</td>
<td>1-2.0</td>
</tr>
<tr>
<td>MOUNTING AND INSTALLATION</td>
<td>2-1.0</td>
</tr>
<tr>
<td>VEHICLE OPERATION AND PREPARATIONS</td>
<td>3-1.0</td>
</tr>
<tr>
<td>TITAN 50 DOOR</td>
<td>4-1.0</td>
</tr>
<tr>
<td>TITAN 50 TAILGATE</td>
<td>4-2.0</td>
</tr>
<tr>
<td>OUTRIGGER, FULLY MANUAL, RIGHT SIDE</td>
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<tr>
<td>OUTRIGGER, FULLY MANUAL, LEFT SIDE</td>
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<tr>
<td>OUTRIGGER, FULLY HYDRAULIC, RIGHT SIDE</td>
<td>5-3.0</td>
</tr>
<tr>
<td>OUTRIGGER, FULLY HYDRAULIC, LEFT SIDE</td>
<td>5-4.0</td>
</tr>
<tr>
<td>OUTRIGGER SHIP KIT</td>
<td>5-5.0</td>
</tr>
<tr>
<td>OUTRIGGER INSTALLATION</td>
<td>5-6.0</td>
</tr>
<tr>
<td>OUTRIGGER ASSY, FULLY MANUAL</td>
<td>5-8.0</td>
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<td>OUTRIGGER ASSY, FULLY HYDRAULIC</td>
<td>5-10.0</td>
</tr>
<tr>
<td>OUTRIGGER HYDRAULIC LEG ASSEMBLY</td>
<td>5-16.0</td>
</tr>
<tr>
<td>OUTRIGGER HYDRAULIC KICK OUT LEG ASSEMBLY</td>
<td>5-18.0</td>
</tr>
<tr>
<td>RECEIVER HITCH INSTALLATION</td>
<td>6-1.0</td>
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<tr>
<td>BUMPER INSTALLATION</td>
<td>6-3.0</td>
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<td>BUMPER ASSEMBLY 24&quot;</td>
<td>6-4.0</td>
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<tr>
<td>MASTER LOCK SYSTEM</td>
<td>7-1.0</td>
</tr>
<tr>
<td>SHELF LOCATION</td>
<td>8-1.0</td>
</tr>
<tr>
<td>SLIDE OUT TRAY</td>
<td>8-5.0</td>
</tr>
<tr>
<td>TOOL BOX</td>
<td>8-7.0</td>
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<td>OXY/ACET ASSY</td>
<td>9-1.0</td>
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<td>9-2.0</td>
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<tr>
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<td>PARTS WASHER</td>
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</tr>
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<td>ROPE LIGHT KIT</td>
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<tr>
<td>COMPARTMENT LIGHT KIT</td>
<td>10-5.0</td>
</tr>
<tr>
<td>FLOOD LIGHT KIT</td>
<td>11-1.0</td>
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<tr>
<td>BOOM SUPPORT</td>
<td>12-1.0</td>
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<td>BULKHEAD RESERVOIR</td>
<td>13-1.0</td>
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<td>AIR RECEIVER TANK 30 GALLON</td>
<td>13-2.0</td>
</tr>
<tr>
<td>FIRE EXTINGUISHER</td>
<td>14-1.0</td>
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<tr>
<td>BACK UP ALARM</td>
<td>15-1.0</td>
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<tr>
<td>BODY PREVENTIVE MAINTENANCE</td>
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**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 50 / 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.

<table>
<thead>
<tr>
<th>DOOR OPENING</th>
<th>WIDTH (W)</th>
<th>HEIGHT (H)</th>
<th>DEPTH (D)</th>
<th>VOLUME (FT³)^</th>
<th>WIDTH (W)</th>
<th>HEIGHT (H)</th>
<th>DEPTH (D)</th>
<th>VOLUME (FT³)^</th>
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<tr>
<td>MID</td>
<td>17</td>
<td>47 3/8</td>
<td>19 1/8</td>
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<td>53 3/8</td>
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<td>44</td>
<td>20 1/2</td>
<td>19 1/8</td>
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<td>44</td>
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<tr>
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<td>TOTAL BODY VOLUME</td>
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*** REAR COMPARTMENT DIMENSIONS/VOLUME ARE FOR NON CRANE BOX ONLY
^ VOLUME IS TAKEN FROM WALL TO WALL DIMENSIONS NOT DOOR OPENING SIZES
TITAN 50—120CA
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.

<table>
<thead>
<tr>
<th>DOOR OPENING SIZES/DEPTH</th>
<th>WIDTH (W)</th>
<th>HEIGHT (H)</th>
<th>DEPTH (D)</th>
<th>VOLUME (FT³)^</th>
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<td>FRONT (1)</td>
<td>32 3/8</td>
<td>53 1/4</td>
<td>19 1/8</td>
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<td>FRONT (2)</td>
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<td>53 1/4</td>
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<td>16 3/8</td>
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<td>REAR***</td>
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<td>19 1/8</td>
<td>17.28</td>
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TOTAL BODY VOLUME 191.03

*** REAR COMPARTMENT DIMENSIONS/VOLUME ARE FOR NON CRANE BOX ONLY
^ VOLUME IS TAKEN FROM WALL TO WALL DIMENSIONS NOT DOOR OPENING SIZES

02/14/12
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 BODY SHIP KIT.

P/N 760710105—TITAN 60/84 CA SHIPKIT
P/N 760720000—TITAN 60/120CA SHIPKIT
# TITAN 50
## MOUNTING AND INSTALLATION

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>84 CA</th>
<th>120 CA</th>
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<td>750980000</td>
<td>LAMP, LICENSE W/BRACKET</td>
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<td>FENDERETTE INSTALLATION KIT</td>
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<td>13</td>
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<td>FLAT GASKET 1&quot; X 1/8 THICK</td>
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<td>POP RIVET 3/16 DIA X 1/4-3/8 GRIP SS</td>
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<td>759056010</td>
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<td>6</td>
<td>739408005</td>
<td>OVAL LIGHT GROMMET</td>
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</tbody>
</table>
!! WARNINGS !!

DO NOT WELD TO TRUCK FRAME. REFER TO BODY-BUILDERS MANUAL FOR FURTHER 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) 21/32Ø 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.**
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 50

#### MOUNTING AND INSTALLATION

<table>
<thead>
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<th>WIRE #</th>
<th>COLOR</th>
<th>DESCRIPTION</th>
<th>LABEL</th>
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<td>GREEN</td>
<td>STOP/TURN SIGNAL RIGHT SIDE</td>
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<tr>
<td>2</td>
<td>WHITE</td>
<td>GROUND</td>
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<tr>
<td>3</td>
<td>YELLOW</td>
<td>STOP/TURN SIGNAL LEFT SIDE</td>
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<td>4</td>
<td>BLUE</td>
<td>BACK-UP SIGNAL</td>
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<td>5</td>
<td>BLACK</td>
<td>TAIL LIGHT SIGNAL</td>
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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.
OUTRIGGER RELIEF VALVE SETTING INSTRUCTIONS
For hydraulic powered outrigger control valves provided by AutoCrane

AutoCrane 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 straightforward 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 should be adjusted to 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.

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 100°F.

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 into the deadhead position.

5. Using the hand hold, 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 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.

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.
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.
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 50 DOOR

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## TITAN 50 TAILGATE

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02/14/12
OUTRIGGER ASSY, FULLY MANUAL
RIGHT SIDE CRANE
GENERAL DIMENSIONS

- **63.19** (Stoke)
- **147.54** (Total Length)
- **94.41** (Main Length)
- **25.16** (Retracted)
- **47.79** (Extended)
- **10.00** (Dimensions)
OUTRIGGER ASSY, FULLY HYDRAULIC
GENERAL DIMENSIONS RIGHT SIDE CRANE

EXTENSION CYLINDER
STROKE = 47.00

UP/DOWN LEG
KICK OUT = 27.00
CURB SIDE = 23.00
OUTRIGGER ASSY, FULLY HYDRAULIC
GENERAL DIMENSIONS  LEFT SIDE CRANE

EXTENSION CYLINDER
STROKE = 47.00

UP/DOWN LEG
KICK OUT  = 27.00
CURB SIDE  = 23.00

02/14/12
# TITAN 50
## OUTRIGGER SHIP KIT

### MANUAL OUTRIGGER SHIP KIT 560337000

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OUTRIGGER ASSY, FULLY HYDRAULIC
RIGHT SIDE PN: 560570100

- Left Side
- Right Side
- Up/Down
- Extension In/Out

Diagram with controls and labels:
- 812026095
- 812026085
- 812026082
- 812026234
- 812026093

Additional labels:
- Handle Side
- Crane
- Press
- Tank

5-10.0
02/14/12
OUTRIGGER ASSY, FULLY HYDRAULIC
LEFT SIDE PN: 560571100

812026095

812026091

812026092

812026237

812026234

812026098

HANDLE SIDE

PRESS

TANK

CRANE

TANK
OUTRIGGER ASSY, FULLY HYDRAULIC

HYDRAULIC SCHEMATIC

REAR VIEW
DIRECTION CONTROL VALVE
NOTE:
A: PORT BOTTOM
B: PORT HANDLE SIDE

5-12.0
02/14/12
### OUTRIGGER ASSY, FULLY HYDRAULIC
**BOM PN: 56057XXXX**

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# OUTRIGGER ASSY, FULLY HYDRAULIC

**BOM PN 56057XXXX**

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## OUTRIGGER HYDRAULIC LEG ASSEMBLY
### P/N 560147002

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RECEIVER HITCH INSTALLATION
TITAN SERIES

SPECIFICATIONS:

12,000 LBS RATING

2" OPENING

THIS HITCH IS FOR USE WITH A 24" BUMPER.
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.
BUMPER INSTALLATION INSTRUCTIONS

1) ATTACH THE (4) BUMPER ADAPTERS (750913) WITH 1/2" BOLT (010201) AND 1/2" LOCK WASHER (021500).

2) PLACE THE BUMPER IN PLACE WITH THE BUMPER ADAPTERS AGAINST THE OUTRIGGER CROSS TUBE AND THE BUMPER TOP PLATE RESTING ON TOP OF THE CROSS TUBE.

3) SQUARE AND CENTER THE BUMPER TO THE REAR OF THE BODY, THEN TACK WELD THE ADAPTERS TO THE CROSS TUBE.

4) REMOVE THE BUMPER BY REMOVING THE 1/2" HARDWARE.

5) WELD ALL (4) ADAPTERS WITH A 5/16" FILLER WELD ALL AROUND.

6) REINSTALL BUMPER WITH 1/2" HARDWARE.
### BUMPER ASSEMBLY 24”, HYDRAULIC TITAN 50

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INSTALL THIS PUSH ROD SECOND

17

10

15 - RIGHT SIDE
16 - LEFT SIDE

INSTALL THIS PUSH ROD LAST

12

20

PUSH ROD INSTALLATION STREET SIDE SHOWN

13 - RIGHT SIDE
14 - LEFT SIDE

INSTALL THIS PUSH ROD FIRST

7-3.0
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SHELF LOCATION
TITAN SERIES 84CA 560535-XXX

LEFT SIDE

RIGHT SIDE

02/14/12
### SHELF LOCATION
#### TITAN SERIES 84CA 560535-XXX

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**NOTES:**

- **000** EQUALS ALL PARTS FOR TOTAL SHELF PACKAGE
- **001** EQUALS ONLY SHELVING FRONT COMP. RIGHT OR LEFT
- **002** EQUALS ONLY SHELVING MID COMP. RIGHT OR LEFT
- **003** EQUALS ONLY SHELVING HORIZ. COMP. W / TALL DIVIDERS
- **004** EQUALS ONLY SHELVING HORIZ. COMP. W / SHORT DIVIDERS
- **005** EQUALS ONLY CHAIN HOOK/REAR COMP. (CRANE BOX)
- **006** EQUALS ONLY SHELVING/REAR COMP. (OPPOSITE CRN BOX)
- **007** EQUALS ONLY SHELVING/REAR CRANE COMPT
- **008** EQUALS ONLY SHELVING MID COMP. RIGHT OR LEFT (1 SHELF ONLY)
SHELF LOCATION
TITAN SERIES 120CA 760537-XXX

LEFT SIDE

RIGHT SIDE

02/14/12
# SHELF LOCATION

**TITAN SERIES 120CA 760537XXX**

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SLIDE OUT TRAY
TITAN SERIES - P/N:560238002

DETAIL A

DETAIL B

SEE DETAIL "A"

SEE DETAIL "B"
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<tr>
<td>2</td>
<td>2</td>
<td>560577000</td>
<td>TUBE, SUPPORT SLIDE OUT TRAY</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>340415000</td>
<td>SHIM, TRAY SUPPORT</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>754551000</td>
<td>SLIDE SET 18/550#</td>
</tr>
<tr>
<td>5</td>
<td>28</td>
<td>330675000</td>
<td>NUT, KEPS #8-32UNC</td>
</tr>
<tr>
<td>6</td>
<td>56</td>
<td>753275000</td>
<td>SCREW SOC BUT HD #8-32UNC X 5/8 LG GR8</td>
</tr>
<tr>
<td>7</td>
<td>2</td>
<td>754554000</td>
<td>SUPPORT SHELF</td>
</tr>
<tr>
<td>8</td>
<td>1</td>
<td>560241003</td>
<td>SHELF, SLIDE OUT TRAY</td>
</tr>
<tr>
<td>9</td>
<td>2</td>
<td>750747001</td>
<td>BARREL BOLT RETAINER</td>
</tr>
<tr>
<td>10</td>
<td>2</td>
<td>750742000</td>
<td>BARREL BOLT</td>
</tr>
<tr>
<td>11</td>
<td>4</td>
<td>715048000</td>
<td>EDGE TRIM 3/32</td>
</tr>
</tbody>
</table>

TITAN LEFT/RIGHT SIDE FRONT COMPARTMENT ONLY
TOOL BOX
TITAN 50/60/70

(MORE THAN 20" WIDE)

(20" WIDE OR LESS)
# TOOL BOX
## TITAN 50/60/70

### TOOLBOX PART NUMBERS

<table>
<thead>
<tr>
<th>COMPARTMENT</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT</td>
<td>560127000</td>
<td>TOOLBOX, (2) 7&quot;, (2) 5&quot;, (5) 3&quot;, 30W x 44.25H x 18D, FRONT, T38(TALL)/50/60/70</td>
</tr>
<tr>
<td>MID</td>
<td>560126000</td>
<td>TOOLBOX, (2) 7&quot;, (2) 5&quot;, (5) 3&quot;, 15.5W x 44.25H x 18D, MID, T50/60/70</td>
</tr>
<tr>
<td>HORIZONTAL</td>
<td>560124000</td>
<td>TOOLBOX, (1) 5&quot;, (3) 3&quot;, 41W x 19.25H x 18D, HORIZ, T50/60/70</td>
</tr>
<tr>
<td>REAR</td>
<td>560125000</td>
<td>TOOLBOX, (2) 7&quot;, (2) 5&quot;, (5) 3&quot;, 21.5W x 44.25H x 18D, REAR, T50/60/70</td>
</tr>
</tbody>
</table>

### TOOLBOX SERVICE PART NUMBERS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>560330000</td>
<td>BRUSHED HANDL W/O LOGO</td>
</tr>
<tr>
<td>2</td>
<td>560330001</td>
<td>8&quot; BAR FOR HANDLE, TOOLBOX (24&quot;W)</td>
</tr>
<tr>
<td></td>
<td>560330006</td>
<td>11&quot; BAR FOR HANDLE, TOOLBOX (30&quot;W)</td>
</tr>
<tr>
<td></td>
<td>560330009</td>
<td>16 1/2&quot; BAR FOR HANDLE, TOOLBOX (41&quot;W)</td>
</tr>
<tr>
<td>3</td>
<td>560332000</td>
<td>LATCH, TOOLBOX (14&quot; WIDE UNIT WIDTH)</td>
</tr>
<tr>
<td></td>
<td>560332010</td>
<td>LATCH, TOOLBOX (15-1/2&quot; WIDE UNIT WIDTH)</td>
</tr>
<tr>
<td></td>
<td>560332011</td>
<td>LATCH, TOOLBOX (16&quot; WIDE UNIT WIDTH)</td>
</tr>
<tr>
<td></td>
<td>560322012</td>
<td>LATCH, TOOLBOX (20&quot; WIDE UNIT WIDTH)</td>
</tr>
<tr>
<td>4</td>
<td>560332001</td>
<td>5 7/8&quot; THUMB RELEASE BAR, W/O HANDLE, TOOLBOX (21.5&quot;W)</td>
</tr>
<tr>
<td></td>
<td>560332006</td>
<td>10 1/8&quot; THUMB RELEASE BAR, W/O HANDLE, TOOLBOX (30&quot;W)</td>
</tr>
<tr>
<td></td>
<td>560332009</td>
<td>15 5/8&quot; THUMB RELEASE BAR, W/O HANDLE, TOOLBOX (41&quot;W)</td>
</tr>
<tr>
<td>5</td>
<td>560331000</td>
<td>LATCH BOLT</td>
</tr>
<tr>
<td></td>
<td>560333000</td>
<td>HEAVY DUTY DRAWER SLIDES 16&quot;</td>
</tr>
<tr>
<td>*</td>
<td>560336000</td>
<td>DIVIDER TOOLBOX 7&quot;HIGH X 16&quot;DEEP</td>
</tr>
<tr>
<td>*</td>
<td>560335000</td>
<td>DIVIDER TOOLBOX 5&quot;HIGH X 16&quot;DEEP</td>
</tr>
<tr>
<td>*</td>
<td>560334000</td>
<td>DIVIDER, 3&quot; HIGH X 16&quot; DEEP</td>
</tr>
<tr>
<td>*</td>
<td></td>
<td>NOT SHOWN</td>
</tr>
</tbody>
</table>

02/14/12
<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>QTY.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>738766000</td>
<td>MOUNTING CHANNEL ASSY</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>736226000</td>
<td>OXY-ACET MTG PLT ASSY</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>736229000</td>
<td>DIVIDER PNL - OXY/ACET</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>750613000</td>
<td>HOSE HOOK WDMT</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>725039000</td>
<td>STRAP HOLD DOWN OXY/ACET</td>
</tr>
<tr>
<td>6</td>
<td>20</td>
<td>020200000</td>
<td>WASHER SP LK 1/4</td>
</tr>
<tr>
<td>7</td>
<td>20</td>
<td>005500000</td>
<td>SCREW HX HD 1/4-20UNC X 3/4 LG</td>
</tr>
</tbody>
</table>
ITEM NO. | QTY. | PART NO. | DESCRIPTION
---|---|---|---
1 | 1 | 725039000 | STRAP HOLD DOWN OXY/AC ET
2 | 1 | 560400000 | OXY DIVIDER/SHELIVING WELDMENT
3 | 3 | 560484000 | SHELF FRONT COMP (OXY/DIVIDER)
DROP WELL
TITAN SERIES

VIEWS SHOWS DROP WELL IN THE FRONT COMPARTMENT

560113000 OR 560265000

1.62

.88

33.00

14.50

THIS AREA REMOVED

FRONT COMP MODIFICATION CUTOUT DETAIL FOR DROP BOX

2" DROP WELL

6" DROP WELL

2.66

6.57

560113000

560265000

9-3.0

02/14/12
**PARTS WASHER**

**TITAN SERIES**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>560601000</td>
<td>18</td>
<td>16</td>
<td>8 15/16</td>
<td>14</td>
<td>16 3/8</td>
<td>12</td>
<td>-</td>
</tr>
</tbody>
</table>

- ELECTRONIC 12V DC PUMP w/ 7-9 PSI 45 GPH DELIVERY CAPACITY.
- TRIM-LOK 4100B3X1/8C TANK LID WEATHERSTRIP
- 20 MESH SUCTION STRAINER
- 10 MICRON SPIN ON FILTER ELEMENT
- WEATHERPAK 2 PRONG SEALED
- ELECTRICAL SWITCH CONNECTOR
- WIRE LEAD INCLUDES TOGGLE AND PILOT LIGHT w/BRACKET
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

84CA BODY SHOWN

POWER FROM TRUCK
ROUTING OF POWER IS SAME FOR ALL BODIES
CONNECT POWER WIRE TO ROPE LIGHT CONNECTOR IN THIS LOCATION (ALL BODIES)
ROPE LIGHT KIT
TITAN SERIES - P/N: 560271-XXX

 negocio
ROPE LIGHT ROUTING

INSTALL SPLICE

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

84CA BODY

120CA BODY
ROUTING FOR HORIZ. & REAR COMPARTMENTS ARE THE SAME AS OTHER BODIES
## ROPE LIGHT KIT
### TITAN SERIES - P/N: 560271-XXX

![Diagram of compartment light kit chart](image)

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION PART,NO.</th>
<th>PART NO.</th>
<th>QTY. (-000 84 CA)</th>
<th>QTY. (-010 120 CA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GROMMET, RUBBER</td>
<td>750169000</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>SWITCH TOGGLE (ON-OFF)</td>
<td>750739000</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>LIGHTING, ROPE</td>
<td>560116000</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>4</td>
<td>SPLICE, 1/2&quot; ROPE LIGHT</td>
<td>560388000</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>ITEM #</td>
<td>DESCRIPTION</td>
<td>PART. NO.</td>
<td>001 - 84 CA</td>
<td>011 - 120 CA</td>
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<tr>
<td>-------</td>
<td>-----------------------------------</td>
<td>-----------</td>
<td>-------------</td>
<td>--------------</td>
</tr>
<tr>
<td>1</td>
<td>LIGHT, COMPARTMENT</td>
<td>750730000</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>WASHER FL #8 ZP</td>
<td>019701000</td>
<td>16</td>
<td>20</td>
</tr>
<tr>
<td>3</td>
<td>SCREW RD HD #8-32UNC X 3/4LG</td>
<td>001503000</td>
<td>16</td>
<td>20</td>
</tr>
<tr>
<td>4</td>
<td>WASHER SP LK #8</td>
<td>019700000</td>
<td>16</td>
<td>20</td>
</tr>
<tr>
<td>5</td>
<td>NUT HX, #8-32UNC CP</td>
<td>015500000</td>
<td>16</td>
<td>20</td>
</tr>
</tbody>
</table>
COMPARTMENT LIGHT KIT
TITAN SERIES - P/N: 560271-XXX

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 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

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

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>Q'TY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>750026000</td>
<td>LIGHT, SEALED BEAM</td>
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<tr>
<td>2</td>
<td>1</td>
<td>750878000</td>
<td>BRKT MNTG SPOTLIGHT</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>750877000</td>
<td>BRACKET MOUNTING SWITCH</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>750739000</td>
<td>SWITCH TOGGLE(ON-OFF)</td>
</tr>
<tr>
<td>5</td>
<td>12 FT</td>
<td>750736000</td>
<td>LOOM CONVOLUTED</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>750738000</td>
<td>STICK-ON, CABLE TIE MOUNT</td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>750737000</td>
<td>TIE, CABLE</td>
</tr>
<tr>
<td>8</td>
<td>2</td>
<td>006200000</td>
<td>SCREW HX HD 1/4UNC X 1 1/4 GR5</td>
</tr>
<tr>
<td>9</td>
<td>2</td>
<td>020200000</td>
<td>WASHER SP LK 1/4 STAINLESS</td>
</tr>
<tr>
<td>10</td>
<td>2</td>
<td>015900000</td>
<td>NUT HX 1/4-20UND SS</td>
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<tr>
<td>11</td>
<td>2</td>
<td>000302000</td>
<td>TERMINAL WR 2R814</td>
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<tr>
<td>12</td>
<td>12 FT</td>
<td>800590000</td>
<td>WIRE 16G 600V 1C BLK</td>
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</tbody>
</table>
## Boom Support
### Titan Series - P/N: 715064000

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>QTY.</th>
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<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>715065000</td>
<td>Boom Support Assy (Tall)</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
<td>330371000</td>
<td>Screw HX HD 3/8-16UNC X 1LG G8</td>
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<tr>
<td>3</td>
<td>4</td>
<td>021100000</td>
<td>Washer SP LK 3/8</td>
</tr>
</tbody>
</table>

### Dimensions
- **18.75 REF**
- **5.50 REF**
- **.44 REF**
- **.75 REF**
- **8.13 REF**

**Notes:**
- Item 1: 18.75 REF
- Item 2: 5.50 REF
- Item 3: .44 REF
- Item 4: .44 REF

**Date:** 02/14/12
BULKHEAD RESERVOIR
TITAN SERIES

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>738498000 (23 GALLON)</td>
<td>18.15</td>
<td>3.81</td>
<td>7.625</td>
</tr>
<tr>
<td>751095050 (36 GALLON)</td>
<td>26.06</td>
<td>4.03</td>
<td>8.06</td>
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</table>

SERVICE PARTS INCLUDE

<table>
<thead>
<tr>
<th></th>
<th>23 GALLON</th>
<th>36 GALLON</th>
</tr>
</thead>
<tbody>
<tr>
<td>FILTER, RESERVOIR</td>
<td>NA</td>
<td>751095051</td>
</tr>
<tr>
<td>CAP, FILLER BREATHER WITH STRAINER</td>
<td>751095055</td>
<td>751095055</td>
</tr>
<tr>
<td>FILTER ASSEMBLY</td>
<td>750380000</td>
<td>751095051</td>
</tr>
<tr>
<td>REPLACEMENT FILTER</td>
<td>NA</td>
<td>751095056</td>
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</table>
AIR RECEIVER TANK
TITAN SERIES

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>750205006</td>
<td>GAUGE, 0-200 PSI AIR (REF.)</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>750715000</td>
<td>VALVE, BIB DRAIN</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>751220100</td>
<td>VALVE RELIEF, 200 PSI, 1/4 NPT, A LUM</td>
</tr>
</tbody>
</table>

REPLACEMENT PARTS INCLUDE:

<table>
<thead>
<tr>
<th>OVERALL LENGTH</th>
<th>OVERALL TANK DIA.</th>
</tr>
</thead>
<tbody>
<tr>
<td>36 3/4&quot;</td>
<td>31 1/2&quot;</td>
</tr>
<tr>
<td>46 1/2&quot;</td>
<td>40&quot;</td>
</tr>
</tbody>
</table>

750828000
30 GALLON TANK

750848000
60 GALLON TANK
NOTE:
1. THIS RECEIVER TANK IS TO BE MOUNTED UNDER TRUCK CHASSIS.
2. CANNOT BE USED WITH AFT FUEL TANKS.

REPLACEMENT PARTS INCLUDE:

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>751089000</td>
<td>VALVE, 1/4 NPT DRAIN W/ 60&quot; CABLE</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>751220100</td>
<td>VALVE, RELEIF, 200 PSI, 1/4 NPT, ALUM</td>
</tr>
<tr>
<td>3</td>
<td>360 in.</td>
<td>750209000</td>
<td>HOSE, 5/8</td>
</tr>
</tbody>
</table>
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.
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 POSITIVE; 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.
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 the 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.
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**

Limited Warranty 2 Years

Effective September 2, 2003
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.
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.