Fire, Safety, and Marine Equipment www.ZIAMATIC.com
10 West College Ave., Yardley, PA, 19067-8337
(215) 493-3618 • 1-800-711-FIRE • FAX (215) 493-1401

QUIC-LIFT™ PORTABLE TANK SYSTEM (MODEL PTS)

I. STANDARD EQUIPMENT

The following items are included with each complete PTS system:

A. Instruction Packet

1. Installers Copy - Includes all information required to install a complete system. Wiring diagram and parts list are provided.

2. Customer Copy - Same information provided for ultimate customer plus "Warning" labels that must be affixed to apparatus prior to using the PTS.

B. Control Switch (P/N 3097-105-144)

Two pole double throw momentary switch provided for operation of system.

C. Flashing Light Kit (Model PTS-FLK)

Up until January 1, 1997 we provided an audio-visual alarm (Model LAS-AVA) with relay (P/N 3097-105-152). You may still purchase the audio-visual alarm (see P/N 8047-125-000, Model AVA), but it is no longer part of the System. NFPA 1901-96 requires flashing lights. These lights must flash unless the System is in the stored position.

II. OPTIONAL EQUIPMENT

The following equipment may be added to any PTS System:

A. Tank Cover Hardware (Model PTS-TCH)

Tank cover hardware should be ordered when a metal cover is added to the PTS System. **Failure to use our tank cover hardware will void our warranty in the event of damage.** See pages 18 & 19.

B. Flashing Light Kit (Model PTS-FLK)

Flashing light kit may be added to systems purchased prior to January 1, 1997. See Section I. C. above.

III. GENERAL INSTALLATION INFORMATION

The Portable Tank System was designed for use with portable tanks having a standard height of 30 inches and a collapsed width not exceeding 8 inches. For tanks exceeding these dimensions, contact the factory for information and pricing on larger tank boxes. When the portable tank is placed into the tank box (9 & 10), there should be approximately 2 inches of space left over top of the tank.

A. Mounting Points

Bolt holes have been provided on both the vertical and horizontal mounting surfaces. Although the device may be securely mounted from the horizontal surface only, it is a great advantage to be able to use mounting bolts on the vertical surface as well. One-half inch thick aluminum backing plates should be used if using only the vertical or horizontal hole sets for mounting (see page 16).

All bolts should have reinforcement structure added underneath the mounting surface where possible.

B. Electrical Circuit

The control switch (supplied) is a two pole double throw momentary exterior 30 amp switch. It should be placed in such a position that the operator has full view of the PTS System and any personnel that might come in contact with it. Using wires of equal length between power source and the electric actuators will help keep the actuators running in synchronization (see page 20). We recommend that all electrical connections be soldered.

Several "Lock Out" circuits may be considered to prevent accidents from occurring. An ideal "Lock Out" system would only permit operation when the ignition switch is on, the transmission is in park, and any obstructing compartment doors are shut. Because of the higher amperage required to operate the PTS System, a separate "Lock Out" circuit should be used. The "Lock Out" circuit should be separated from the PTS System circuit by a relay. This will prevent damage to the existing wiring system. The PTS System circuit should be protected by a 35 amp fuse.

NFPA 1901-96 standard requires flashing lights to be provided, facing front and rear of the apparatus. Lights must flash whenever the System is out of the stored position. The flashing light kit (Model PTS-FLK) was added to all Systems beginning January 1, 1997 (see Section I. C.). Prior to January 1, 1997 all units were provided with an audio-visual alarm and relay. The audio-visual alarm may still be ordered as an option (see Model AVA, P/N 8047-125-000 in catalog).

C. Synchronization of Actuators

It is important to the operation of the PTS System that the actuators work in synchronization. The actuators may be out of synch a considerable amount before binding occurs, however, reducing the occurence of this will increase the lift of the actuators and prevent damage to the existing wiring system. The PTS System circuit should be protected by a 35 amp fuse.

Do not permit personnel to hang, sit or stand on portable tank while stored on the PTS System. If the unit is overloaded, the internal clutch will slip and prevent damage to the actuators.

When the operator raises or lowers the unit, he should let it run until he hears both clutches start to slip so that the actuators re-synchronize and are ready to run in the opposite direction.

IV. INSTALLING THE PORTABLE TANK SYSTEM

A. Preparation for Mounting

Plan and lay out the entire installation before making any cuts or drilling holes in the body of the fire apparatus. This will keep "out of service" time to a minimum and also help to minimize mistakes. See Section IV. C. (Electrical System) before any holes are drilled into the apparatus.

The system was designed for use on a shelf with a minimum depth of 8-1/4". The total depth of the system is 9-1/2". To determine the total length required to mount the system, measure the length of the collapsed portable tank and add 21". We are allowing 10-1/2" for each device on the end of the tank which includes 1" at each end or a total of 2" of "play" for the tank to move within the boxes (9 & 10). This 2" must be provided or the tank may bind when raising or lowering (see page 13).

B. Mounting the System

Double check your measurements adding 21" to the collapsed length of the portable tank. Mark this total length on your mounting surface (as a reference) and then set the two devices in place on the shelf. Make absolute locations on shelf using measurement guides on pages 16 & 17. Note the minimum clearance required for the hinge to pivot (detail drawing in top right corner, page 17). Mark the outside edges of each device on the mounting surface.

The tank boxes (9 & 10) are shipped separate from the devices. The neoprene pads (14) and 1/4-20 x 1" flat head screws (20) are also shipped loose.

B. Mounting the System (continued)

Check for any obstructions behind or below the selected mounting locations. Also be sure you can run your wiring unobstructed through the back of the base castings. The outboard ends of the devices cannot be obstructed as access is necessary for mounting, emergency operation and adjustment of the actuators.

You are now ready to mount the devices as follows (refer to page 11 for item numbers in parenthesis):

1. The flat surface, between the two ears on the base castings (1 or 2) should be flush and parallel with the edge of the mounting surface. Both devices should be parallel and in-line to within 1/16" of each other.

2. Pull cotterless pin (35) and lower shelf castings (4 or 5).

3. Mark eight base holes and lower two back holes. Remove devices.

4. Drill ten holes for 3/8" mounting bolts (not supplied). Replace devices, insert bolts and snug up on nuts.

5. Pull cotterless pin (34) and remove shelf arm casting (3).

6. Lay electric actuator (13) forward and also lay back arm casting (6) forward.

7. Mark two top holes in base casting (if used). Also mark hole location for electrical wiring through bottom rear of base casting.

8. Remove device and drill holes for the two top holes in base casting and for the wiring.

9. Re-position devices on shelf and mount in place with 3/8" bolts and nuts.

10. Wiring should be run through lower hole in base casting at this time. We suggest the wire be run in a protective sheath to prevent chaffing. The wire should be run under the actuator adjuster casting (7) and up to the wire harness. Connection is provided for mating to connector from the actuator.

11. Flip the back arm casting (6) and electric actuator (13) back. Connect wires to actuator and check clearance through full swing of actuator. Replace shelf arm casting (3) and pin the three units together using cotterless pin (34). Flip up the shelf casting (4 or 5) and place cotterless pin (35) through the shelf casting and shelf arm casting (3).

B. Mounting the System (continued)

12. Attach the flashing light kit (Model PTS-FLK) at this time (see pages 14 & 15), following the "Wiring System" directions on page 20.

13. Connect the electrical system at this time (see Section IV. C.) so the system may be tested.

14. With the electric connected, run the devices up and down through a couple of cycles. The units should run in synchronization. The units may appear to be a little loose at this time.

15. Lower the devices so the neoprene pads (14) may be attached using 1/4-20 x 1" flat head screws (20). Tighten the screws so they depress approximately 1/16" into the neoprene.

16. Run the units to the up position and ratchet actuators. The units now should be tight.

17. Lower the units 15 to 20 degress and attach tank boxes (9 & 10) to the shelf casting (3). Use 5/16-18 x 5/8" button head socket screws (30) through front of casting and 5/16-18 x 7/8" button head socket screws (42) through base of casting.

18. The System is now operational and you are ready to mount the portable tank.

C. Electrical System

A "WARNING" label (48) is provided with each System. The pressure sensitive label must be mounted by the electrical control switch (43). All apparatus operators must be instructed to keep area in front of the System clear of personnel when the System is being raised or lowered.

An additional "WARNING" label (49) is also provided. This pressure sensitive label must be mounted by the electrical control switch. This label is a reminder to the operator to check for any deviation from standard operation that may signal a problem in the System.

V. TROUBLESHOOTING

All units are tested after final assembly to ensure proper operation and adjustment. You should not have to make any adjustments when mounting the devices.

The following procedures are offered in the event of problems in the field. We strongly urge you to contact the factory if any problems are encountered before attempting to correct them yourself.

A. Actuator "Lock-Up"

This problem may occur if the electric actuator extends past the normal operating range. If one or both actuators lock-up and do not move, operate the switch to move the active actuator toward a parallel position with the inoperable actuator and continue until both actuators ratchet. Then move the actuators in the opposite direction. Jog them back and forth until both actuators are moving freely. Once free, refer to Section V. B. (Actuator Adjuster).

B. Actuator Adjuster

The actuator adjuster (7) is factory set and should not be touched unless a "lock-up" problem has been experienced. The following sequence should be used for adjusting the actuator (see drawing on page 12):

1. Loosen 3/8-16 x 1-3/4" hex head clamp bolt (24).

2. Back out 3/8-16 x 1" socket set screw (23) until actuator adjuster casting (7) drops as low as it will go.

3. Tighten socket set screw (23) until actuator adjuster casting (7) begins to raise.

4. Tighten clamp bolt (24).

5. Bring device to full up or raised position. Actuator is properly adjusted when the bottom of the shelf casting (4 or 5) is resting firmly on the neoprene pad (14).
NOTE: Four flat head screws in neoprene pad should be 1/16" below the surface of the neoprene pad.

6. If there is play between the shelf casting and pad, continue raising the actuator adjuster casting with set screw (23). Use 1/2 turn of screw at a time.

7. Always re-tighten clamp bolt (24) before checking adjustment.

C. One Actuator Running Two Seconds or More Slower Than the Other

All actuators are timed, under load, at the factory and the times are recorded. Electric actuators are matched as close to equal times as possible when a PTS System is assembled. When one actuator is running more than two seconds behind the other, it is normally due to some type of resistance in the wiring system. Check all wire connections to make sure they are secure. Make sure to ratchet both actuators at the end of each up and down cycle. If they are still greatly out of synch after checking the wiring and ratcheting the units at the end of each cycle, you may switch the actuators to confirm if the problem is in the wiring system. With the portable tank removed, and the devices in the lowered position, pull cotterless pins (34 & 35) and remove shelf arm casting (3). Remove 1/2" x 2-1/2" shoulder bolt (37) and 3/8-16 nut (38) to remove electric actuator (13). Switch the two actuators and reassemble. If the rear actuator is running slower before switching and is still running slower, there is a problem in the wiring.

VI. INSTALLING PORTABLE TANK COVER USING MODEL PTS-TCH

A. Preparation for Mounting

Follow installation instructions for the Portable Tank System (Section IV. A. & B.). Particular attention must be paid to ensure that the center hinge (page 16) is in alignment with the left and right casting sets.

Parts (page 18) and cover dimensions (page 19) are provided.

B. Mounting

Use the 1/2" hinge pin (114) for alignment. Shims may be required to correct adjustment problems. All three pins should be aligned to within 1/16".

After the three hinges are aligned and the tank cover (page 19) has been fabricated, you are ready to proceed with mounting.

NOTE: Measure the tank box (see page 19) to determine the "A & B" dimensions. This will determine the size of your cover. The length of the cover will also vary depending on the mounting distance between the casting sets.

You are now ready to mount the tank cover and hardware as follows (refer to page 18 for item numbers in parenthesis):

1. Lay hinges (100) down along side of truck.

2. Place top of cover (115) onto the top of the tank boxes (9 & 10). You may have to place temporary shims between tank cover and tank box to raise the cover. The bottom edge of the tank cover should be just above the hinge (page 18 top right drawing).

B. Mounting (continued)

3. Clamp the tank cover to the tank boxes.

4. Raise the three hinges and mark the four hole sets for each hinge. Use "F" drill to drill out the twelve holes.

5. Place the end backplates (104) and center backplate (103) in place and attach with 1/4-20 screws (111). Holes are tapped in the backplates.

6. Drill holes for 5/16-18 screws (110 & 112) in the backplates and attach with nuts (113).

7. Attach spring housing (105) to the tank boxes (9 & 10).

8. Drill holes in the two end backplates (104) for 5/16-18 screws (108) and assemble the spring-loaded adjusting mechanism.

9. Adjust tension on the spring (107) by setting the pre-load so it will support the weight of the cover when the System is being lowered.

VII. MAINTENANCE

A. Periodic

Any time the tank boxes (9 & 10) appear to be "loose", refer to actuator Adjuster (Section V. B.).

B. Semi-Annually or at Scheduled Apparatus Lube Service

1. Actuator adjuster (7) (page 12) - Check for loose bolts; refer to adjustment directions (Section V. B., page 6).

2. Lubrication - We suggest that all pivoting surfaces be sprayed in the joints and pivot points with CRC brand Stor&Lube long-term lubricant and rust preventative #03032. Excess lubrication should be wiped off.

3. Electric actuator - We suggest the exposed shaft be cleaned and sprayed with WD40 or a similar light, moisture-repelling silicon type lubricant.

C. Pressure Washing

Do not operate pressure washer around or near the electric actuators. Excessive pressure may allow soap and water to blow past the seal, damaging the actuator.

VIII. SERVICE

If you experience any problems with your Portable Tank System, please call us at 800-711-FIRE (3473) for assistance. Please have the serial number of your System available. This number may be found on the lower front side of the base casting directly under the electric actuator and behind the hinge pin (page 13).

IX. DRAWINGS AND DIAGRAMS

- **Model PTS Portable Tank System**

1. Parts Listing (page 11)
2. Assembly Drawing (pages 12 & 13)
3. Side View of System (page 13)
4. Flashing Light Kit (pages 14 & 15)
5. Alignment (page 16)
6. Elliptical Tank Adapter (page 16)
7. Dimension Drawing (page 17)
8. Tank Cover and Hardware (pages 18 & 19)
9. Wiring Diagram (page 20)
10. Left Side Assembly Photos (page 21)
11. Right Side Assembly Photos (page 22)
12. Light Kit Components Photo (page 23)
13. Spring Mechanism for Tank Cover Hardware Photos (page 23)
14. Tank Box Component Photos (page 24)

X. WARRANTY

A copy of the warranty registration **MUST** be returned to ZICO to ensure registration of your System (page 28). You may mail the copy or fax it to (215) 493-1401.

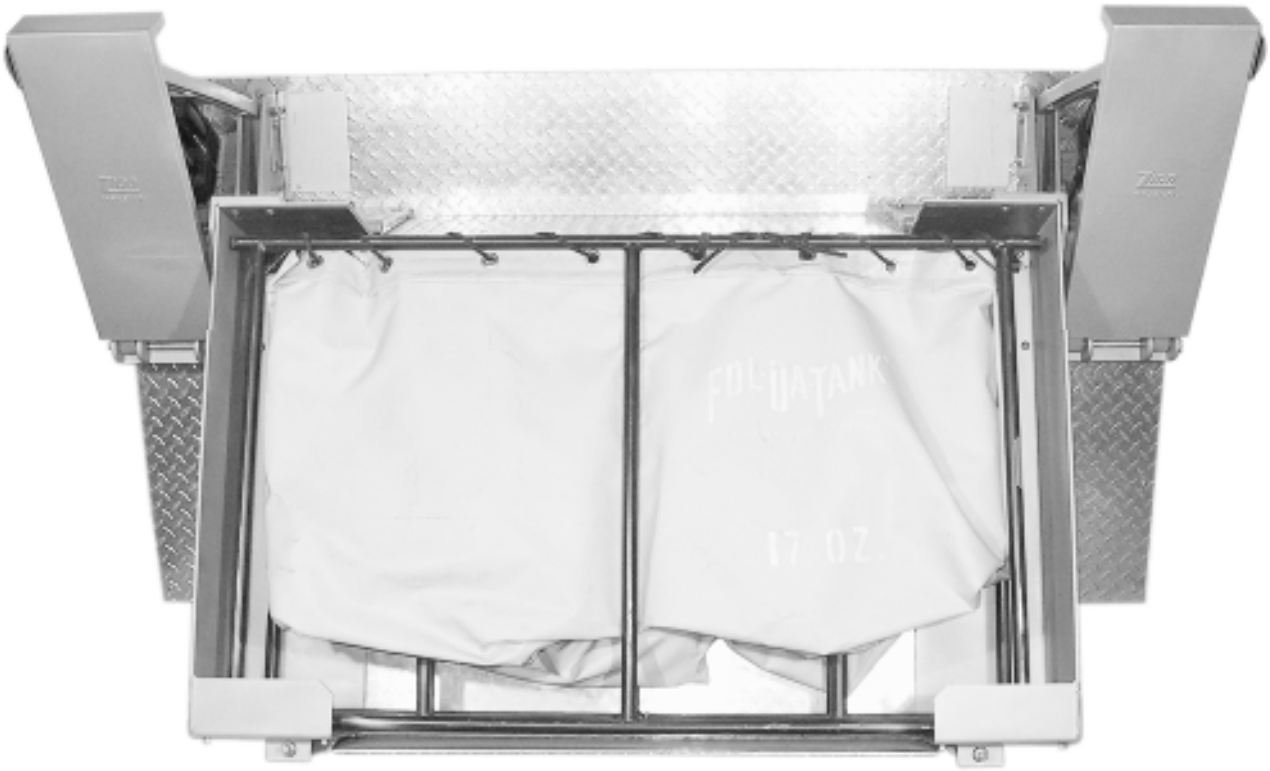


FIGURE 1. MODELS AVAILABLE FOR PORTABLE TANKS

MODEL	DESCRIPTION	WT./SET IN LBS.
PTS-30-7	PTS for 28-1/2" H x 7" D Tank	137.0/set
PTS-32-7	PTS for 30" H x 7" D Tank	138.0/set
PTS-34-7	PTS for 32" H x 7" D Tank	139.0/set
PTS-36-7	PTS for 34" H x 7" D Tank	140.0/set
PTS-38-7	PTS for 36" H x 7" D Tank	141.0/set
PTS-30-8	PTS for 28-1/2" H x 8" D Tank	137.0/set
PTS-32-8	PTS for 30" H x 8" D Tank	138.0/set
PTS-34-8	PTS for 32" H x 8" D Tank	139.0/set
PTS-36-8	PTS for 34" H x 8" D Tank	140.0/set
PTS-38-8	PTS for 36" H x 8" D Tank	141.0/set
PTS-30-9	PTS for 28-1/2" H x 9" D Tank	137.0/set
PTS-32-9	PTS for 30" H x 9" D Tank	138.0/set
PTS-34-9	PTS for 32" H x 9" D Tank	139.0/set
PTS-36-9	PTS for 34" H x 9" D Tank	140.0/set
PTS-38-9	PTS for 36" H x 9" D Tank	141.0/set
PTS-TCH-30	Hardware Kit for 28-1/2" H Tank	12.0/set
PTS-TCH-32	Hardware Kit for 30" H Tank	13.0/set
PTS-TCH-34	Hardware Kit for 32" H Tank	14.0/set
PTS-TCH-36	Hardware Kit for 34" H Tank	15.0/set
PTS-TCH-38	Hardware Kit for 36" H Tank	16.0/set

There are several systems available covering all known portable tank dimensions.

FOL-DA-TANK® portable tanks always fit into Model PTS-30-7 system. For all other brands of portable tank, measure the height and thickness of the tank when in the closed position.

Tank boxes (left and right) are the only items to vary between systems.

Tank cover hardware kits are based upon the height of the tank boxes above. All hinges and hardware included, less the cover. (See page 19.)

CHART 1. PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY.
1	3098-105-101	Base Right Casting	1
2	3098-105-102	Base Left Casting	1
3	3098-105-106	Shelf Arm Casting	2
4	3098-105-103	Shelf Right Casting	1
5	3098-105-104	Shelf Left Casting	1
6	3098-105-105	Back Arm Casting	2
7	3098-105-107	Actuator Adjuster Casting	2
8	3098-105-108	Tank Stop .187 Thick Steel	2
9	3098-105-109	Tank Box Right .187 Thick Aluminum	1
10	3098-105-110	Tank Box Left .187 Thick Aluminum	1
11	3098-105-111	Shelf Arm Cover .062 Thick Aluminum	2
12	3098-105-112	Base Cover .062 Thick Aluminum	2
13	3098-105-113	Actuator Warner EK10	2
14	3098-105-114	Neoprene Pad	2
15	3098-105-115	Shaft 1/2" Dia. x 16-7/8"	2
16	3098-105-116	Pin 1/2" Dia. x 4-1/2" (not shown)	2
17	3098-105-117	Box Liner Top 7-3/4" x 8"	2
18	3098-105-118	Box Liner Bottom 7-34" x 7-7/8"	2
19	9140-101220	Spring Pin 1/8" Dia. x 1-1/4" (not shown)	2
20	9010-152516	Flat Head Screw 1/4-20 x 1"	8
21	9114-115000	Washer 1/2" I.D. x 1/16" Thick	4
22	9140-101214	Spring Pin 1/8" Dia. x 7/8"	4
23	9110-303716	Socket Set Screw Cup Point 3/8-16 x 1"	2
24	9110-103728	Hex Head Bolt 3/8-16 x 1-3/4"	2
25	9110-103116	Hex Head Bolt 5/16-18 x 1"	4
26	9114-203100	Lock Washer 5/16" I.D.	8
27	9112-103100	Hex Head Nut 5/16-18	8
28	9110-211908	Pan Head Screw Slotted 10-32 x 1/2"	8
29	9113-101900	Hex Head Lock Nut 10-32 Nylon	8
30	9110-353114	Button Head Socket Screw 5/16-18 x 7/8"	8
31	3097-105-120	Reflective Triangle - 4 Die Cut Pcs./Sheet	1
32	9110-212510	Pan Head Screw 1/4-20 x 5/8"	12
33	9113-172500	Hex Head Lock Nut 1/4-20 Nylon	8
34	9050-135090	Cotterless Pin 5.6 Lg.	2
35	90501350128	Cotterless Pin 8 Lg.	2
36	9010-315032	Shoulder Bolt 1/2" Dia. x 2"	4
37	9010-315040	Shoulder Bolt 1/2" Dia. x 2-1/2"	2
38	9113-173700	Hex Head Lock Nut 3/8-16 Nylon	6
39			
40			
41	9114-202500	Lock Washer 1/4" I.D.	4
42	9110-353110	Button Head Socket Screw 5/16-18 x 5/8"	8
43	3097-105-144	Switch (not shown)	1
44			
45	3097-105-159	Label "Do Not Rigidly Connect..."	2
46	3098-105-146	Label - Pull Pin To Lower (not shown)	2
47	3098-105-147	Label - Pull Pin To Raise (not shown)	2
48	3098-105-148	Label - Warning Keep Clear (not shown)	1
49	3098-105-149	Label - Warning Vibration (not shown)	1
50	3098-160-000	Flashing Light Kit (see pages 14 & 15)	1
51	9114-105000	Flat Washer 1/2" I.D. (not shown)	2

NOTE: ITEMS 9 & 10 ARE THE ONLY PARTS THAT VARY BETWEEN SYSTEMS

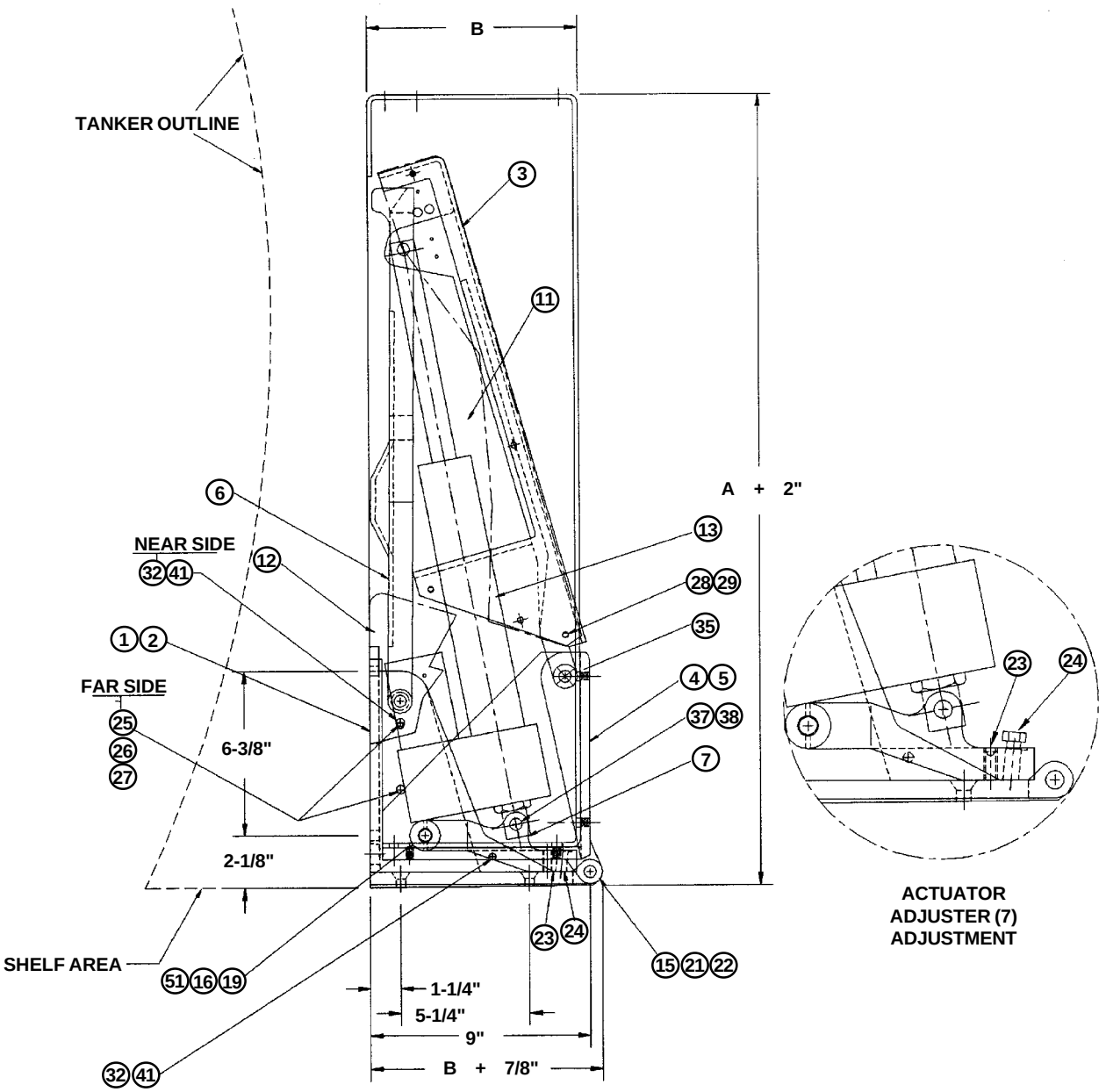


FIGURE 2. TRUCK END VIEW COMPONENT PARTS

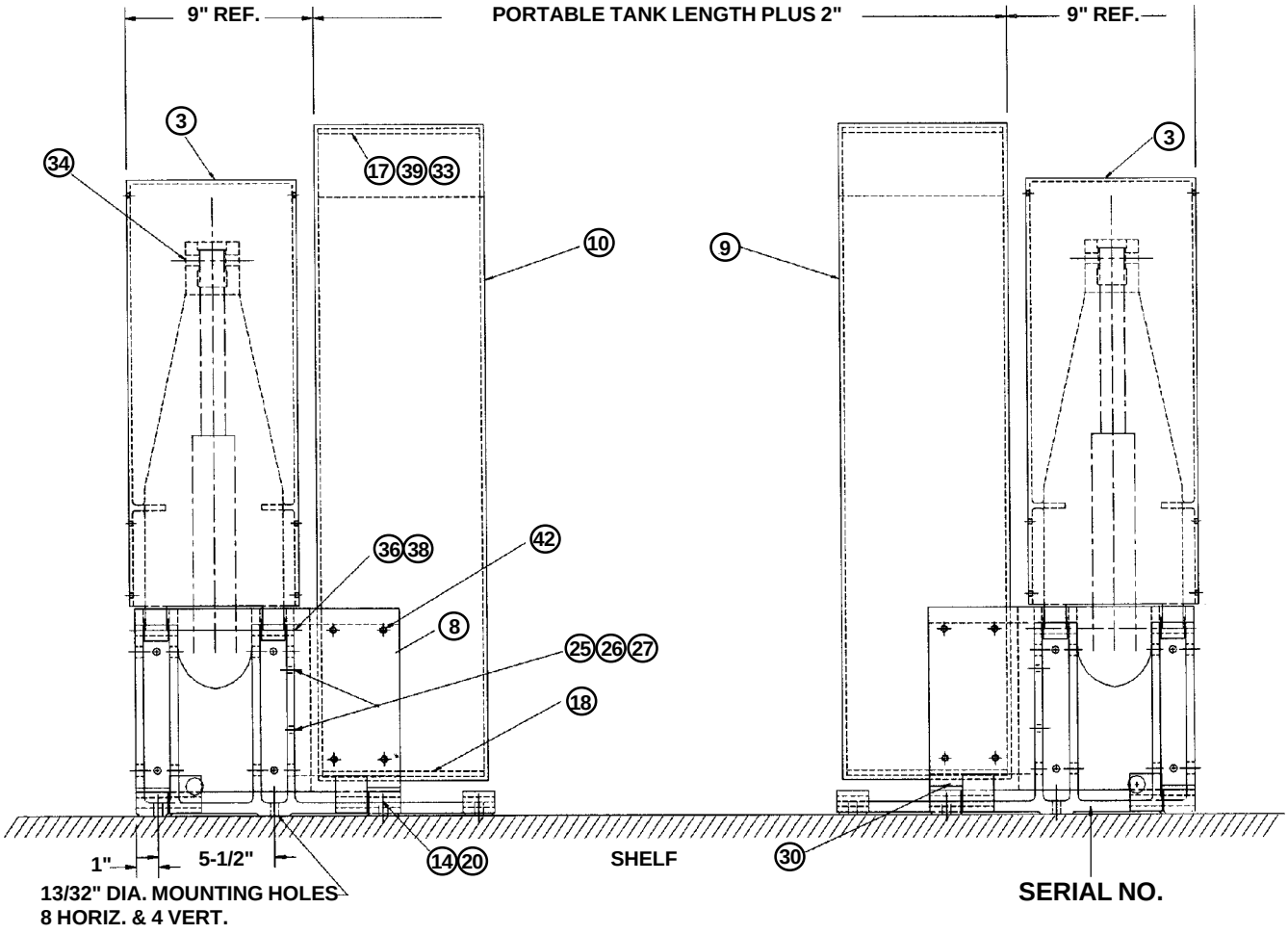
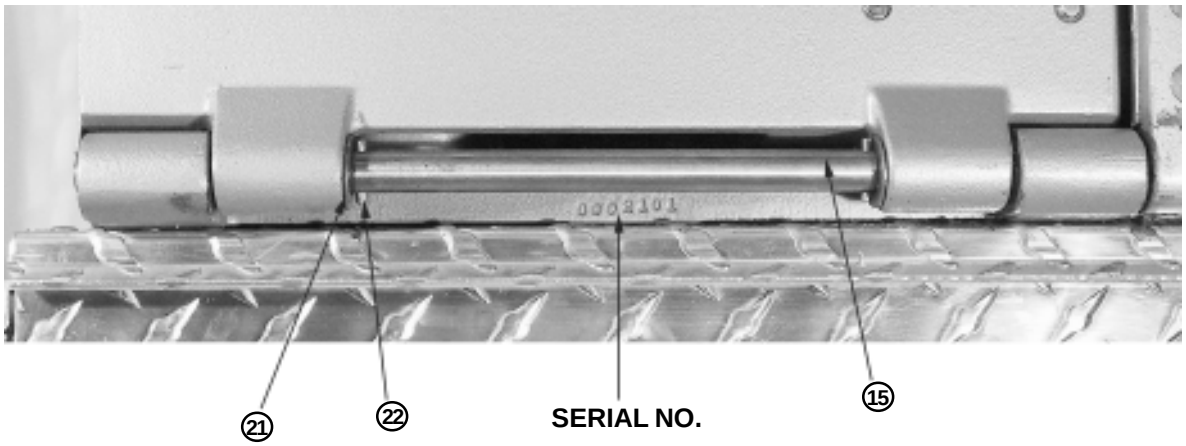
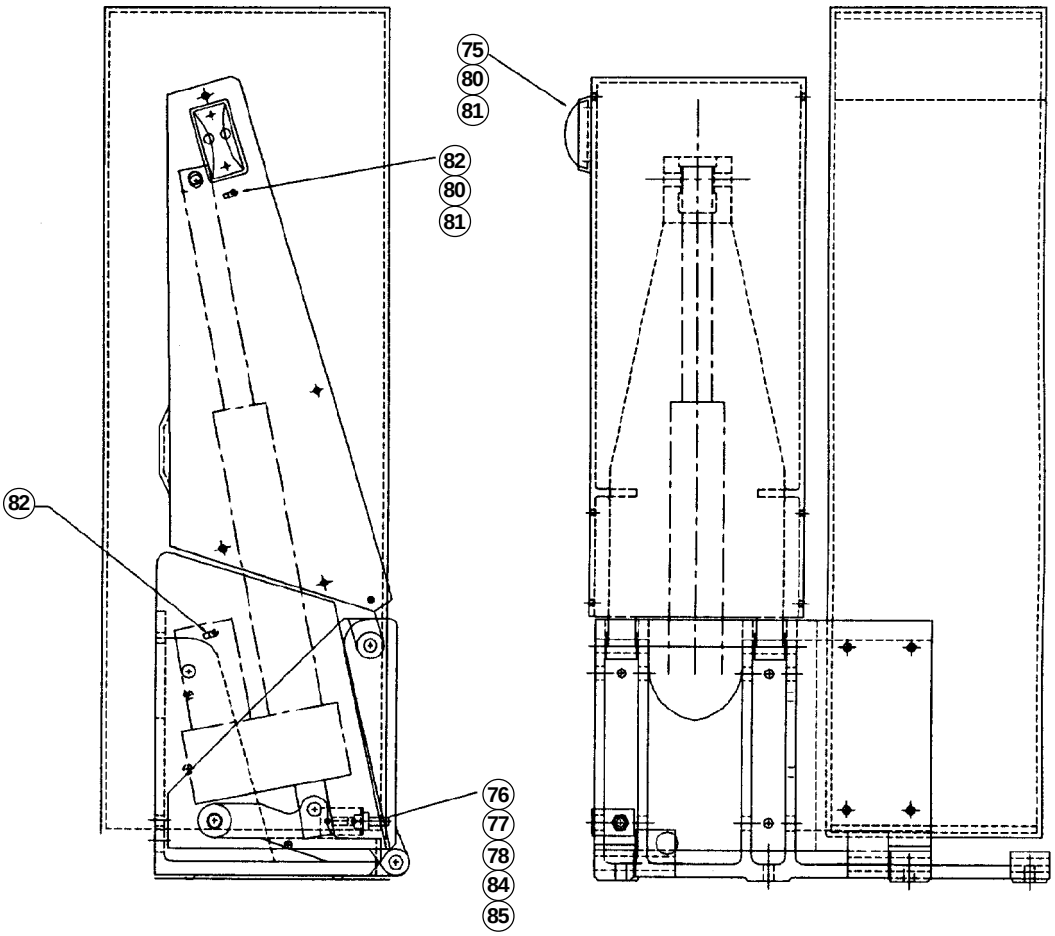


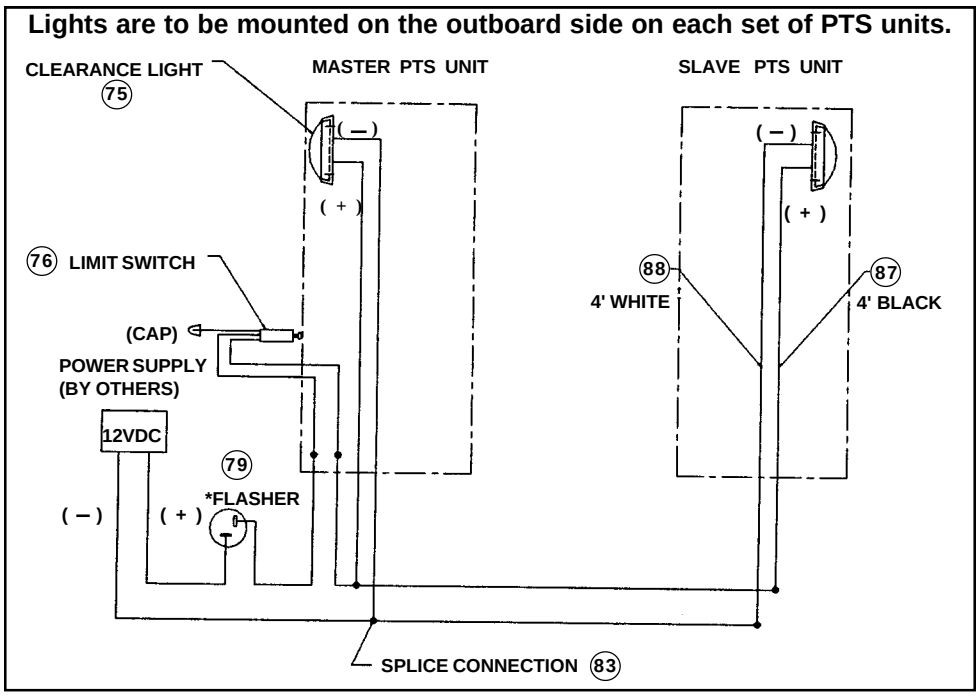
FIGURE 3. TRUCK SIDE VIEW LAYOUT ON SHELF AND SERIAL NO. LOCATION





ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
75	3097-270-101	Clearance Light	2
76	3097-270-105	Switch, Limit	1
77	3097-270-117	Harness, Limit Switch (provided/item 76)	1
78	3098-105-164	Bracket, Limit Switch	1
79	3097-270-109	Flasher (see page 15 - not shown)	1
80	9010-231108	Screw, 4-40 x 1/2" Rd. Hd. Slotted	8
81	9012-131100	Flex Loc Hex Nut 4-40, ZPS	8
82	3097-270-111	Cable Tie	4
83	3097-270-113	In Line Splice (see page 15 - not shown)	7
84	9110-212008	10-32 x 1/2 Pan Hd. Phil. M/S	2
85	9113-172000	10-32 FlexLoc Hex Hd. Nut	2
86	3097-270-115	Snap Plug Connector (see page 15 - not shown)	4
87	3097-270-119	16 Ga. Lead Wire - Black	4 Ft
88	3097-270-120	16 Ga. Lead Wire - White	4 Ft
89	3075-175-000	Delrin Tool Clip (not shown)	1
90	3097-270-122	Butt Connector (use/items 87 & 88)	2

FIGURE 4. FLASHING LIGHT KIT MODEL PTS-FLK



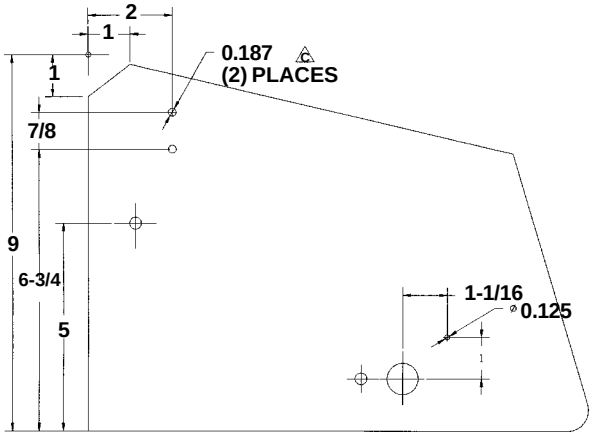
Wiring System:

1. One white wire 4' long (88) and one black wire 4' long (87) are provided for each light (75).

2. Snap plug connections (86) will be attached to each wire, ready to plug into lights prior to mounting, or wires may be soldered to the light.

3. In-line splices (83) are provided. Seventh splice to be connected to third wire in the limit switch harness (77). This wire may be used for indicator light in the cab.

4. Flasher (79) should be mounted in a weather-proof location and mounted in the clip (89) provided.



If your PTS System was purchased prior to January 1, 1997, holes will need to be drilled as shown in the base cover plates (left) and tank cover plates (below).

Limit switch (76) makes contact with the shelf (right or left) casting to shut off the lights.

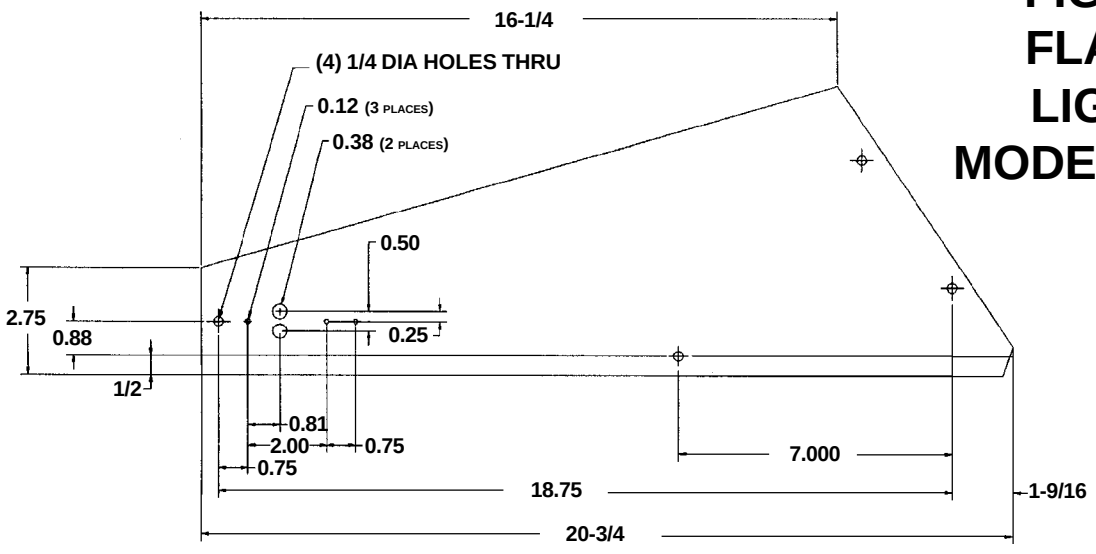


FIGURE 5.
FLASHING LIGHT KIT MODEL PTS-FLK

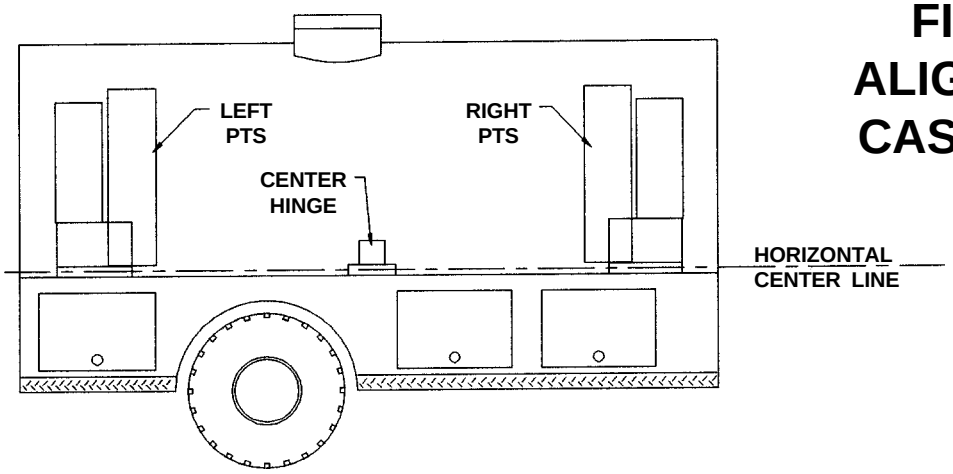
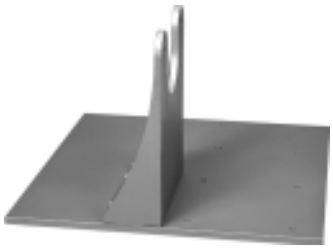


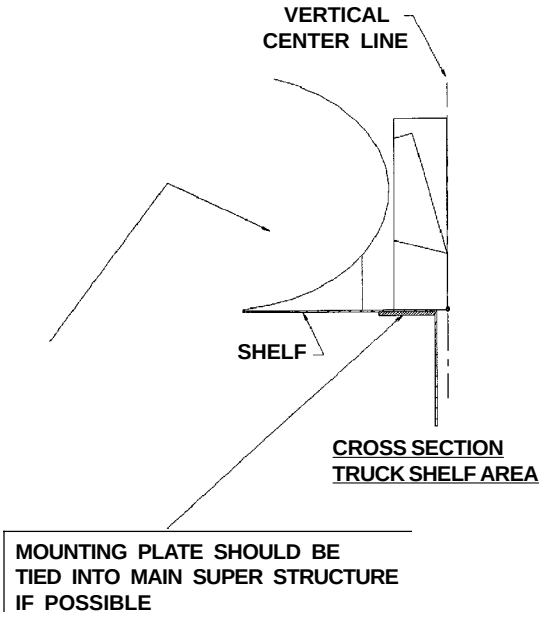
FIGURE 6. ALIGNMENT OF CASTING SETS



Mounting plate with support casting. Mounting plate 3/8" thick aluminum x 16-3/4" W x 16" D. Aluminum support is 9-3/4" H x 7-1/2" W x 3" D.

FIGURE 7. ELLIPTICAL TANK ADAPTER

MODEL	DESCRIPTION	WT. IN LBS.
PTS-ETA	Complete Adapter Set/Hardware	29.0/set
3098-115-105	Support Casting - Each	4.4/ea.
3098-115-105	Mounting Plate - Each	10.1/ea.



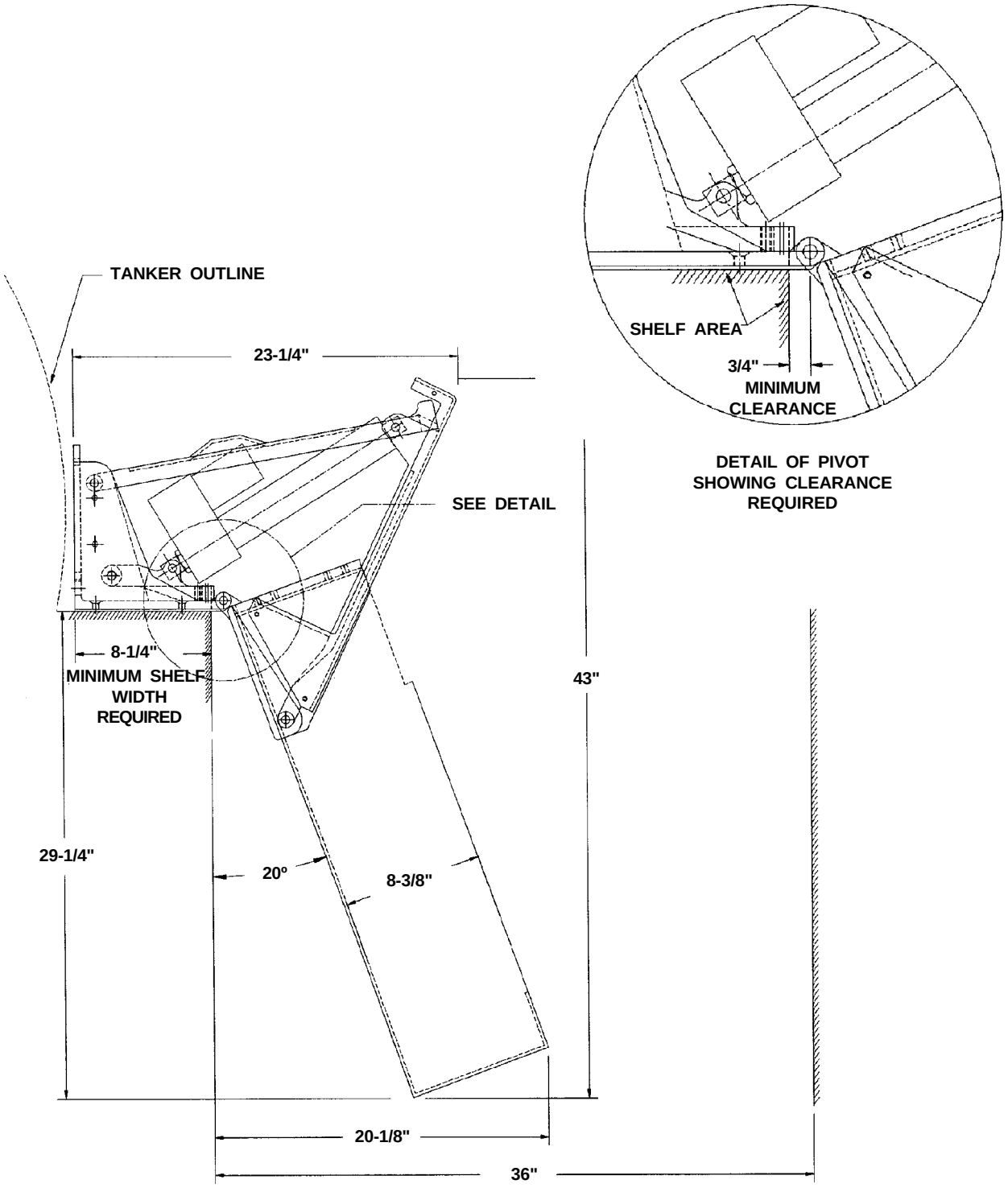
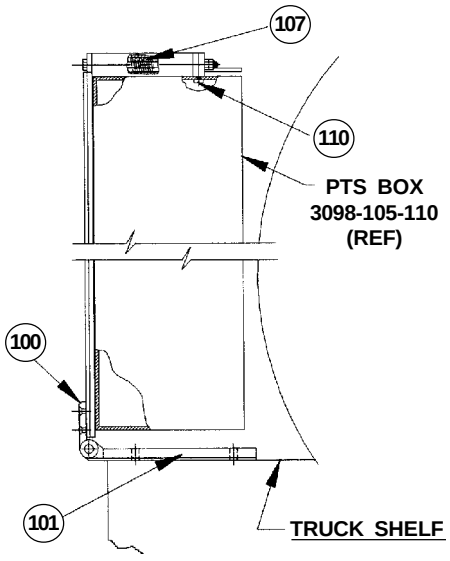


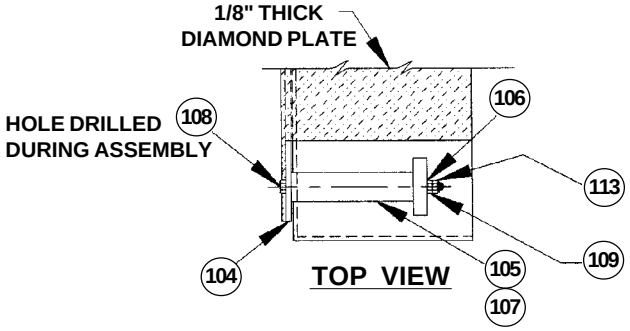
FIGURE 8. TRUCK END VIEW FULL EXTENDED DOWN POSITION

ITEM NO.	PART NO.	DESCRIPTION	QTY.
100	3098-150-101	Hinge	3
101	3098-150-102	Center Hinge	1
102	3098-150-103	Center Hinge Pin	1
103	3098-150-104	Center Backplate	1
104	3098-150-105	End Backplate	2
105	3098-150-106	Spring Housing	2
106	3098-150-107	Spring Retainer	2
107	3098-150-108	Spring (inside of Item 105)	2
108	91101031128	Hex Hd. Bolt 5-16-18 x 8 Lg.	2
109	9112-103100	Hex Hd. Nut 5/16-18	2
110	9110-353114	But. Hd. Soc. Screw 5/16-18 x 7/8" Lg.	6
111	9110-362514	Fl. Hd. Soc. Screw 1/4-20 x 7/8" Lg	12
112	9110-363112	Fl. Hd. Soc. Screw 5/16-18 x 3/4" Lg	4
113	9113-103100	Hex Hd. Lock Nut 5/16-18 Nylon	8
114	9140-101214	Spring Pin 1/8" Dia. x 7/8" Lg.	1
115	3098-150-116	Tank Cover 1/8" Thick Diamond Plate (Furnished By Customer)	1



END VIEW OF TANK TRUCK

NOTE: OUTLINE OF PORTABLE TANK ASSY NOT SHOWN IN THIS VIEW



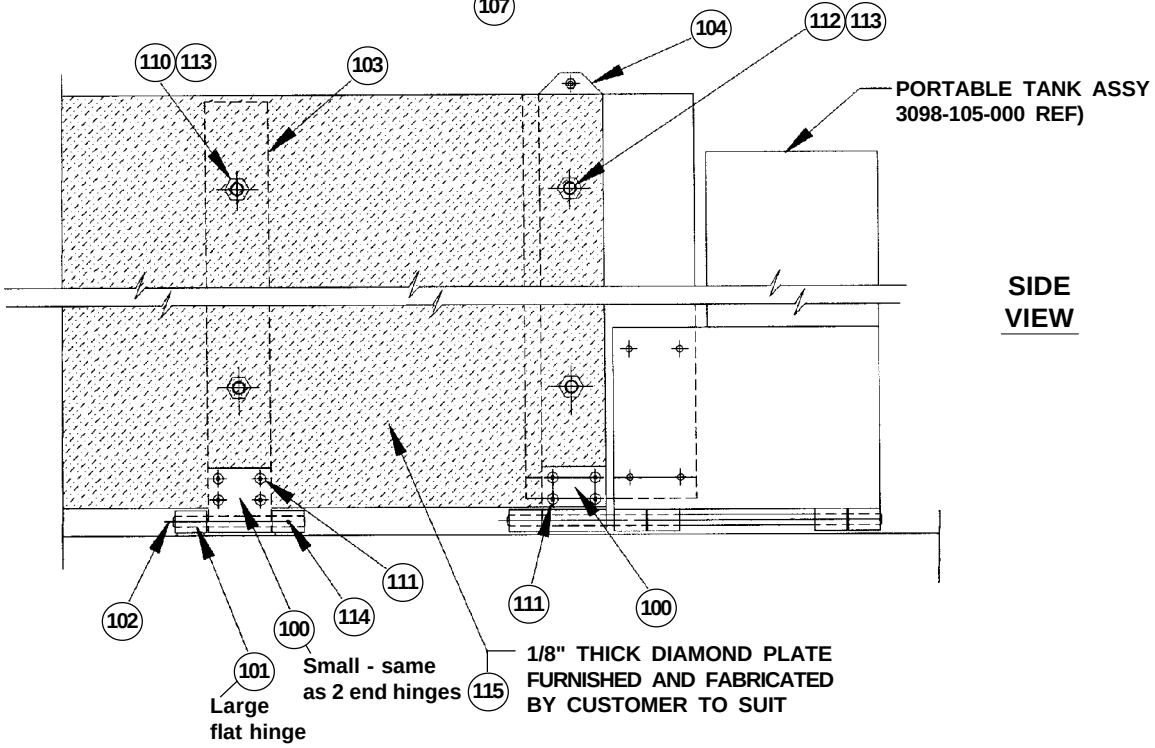
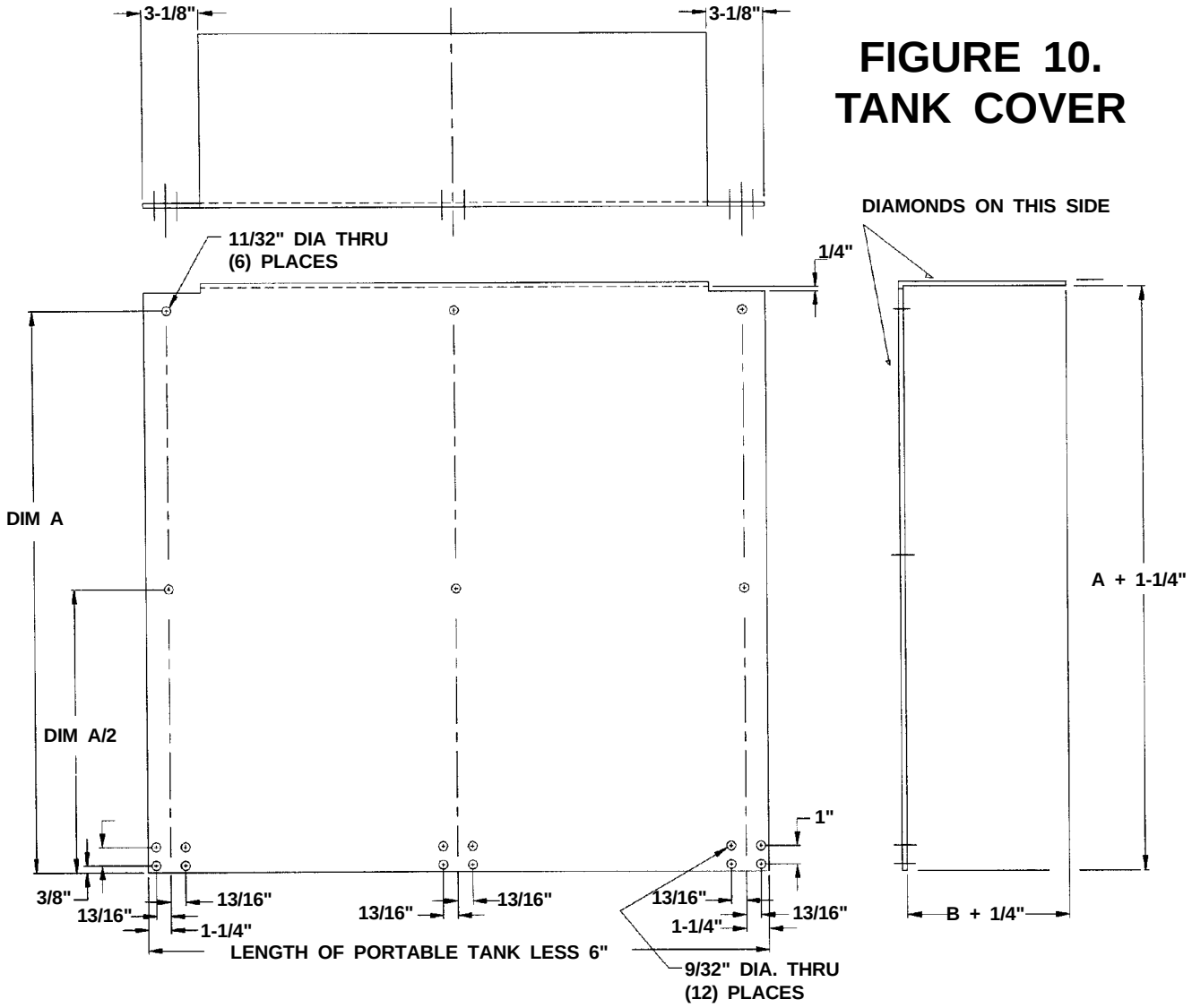
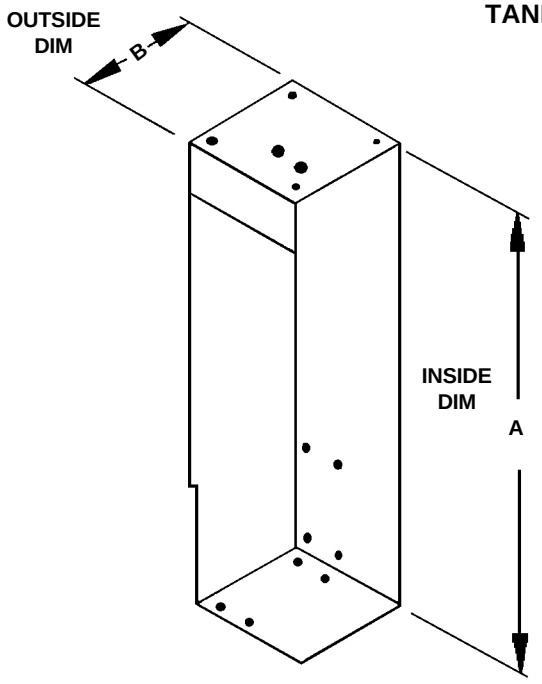


FIGURE 9. TANK COVER HARDWARE

FIGURE 10.
TANK COVER



TANK COVER



TANK BOX

ALL DIMENSIONS FOR REFERENCE USE ONLY
HOLE LOCATIONS TO BE DETERMINED AFTER BASES
ARE MOUNTED IN PLACE
SEE FIGURE 1 FOR MODEL REQUIRED

FIGURE 11.
TANK BOXES

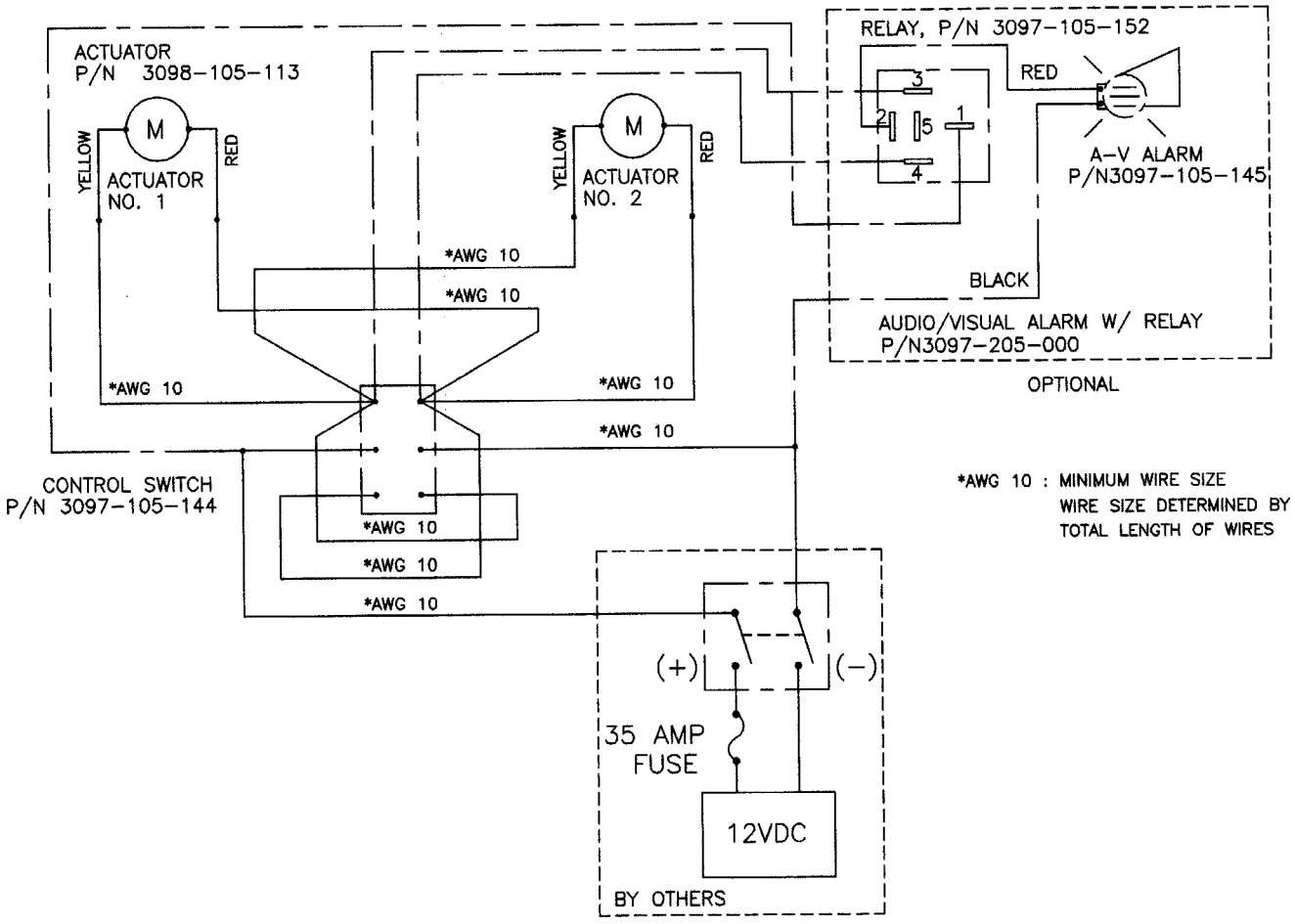
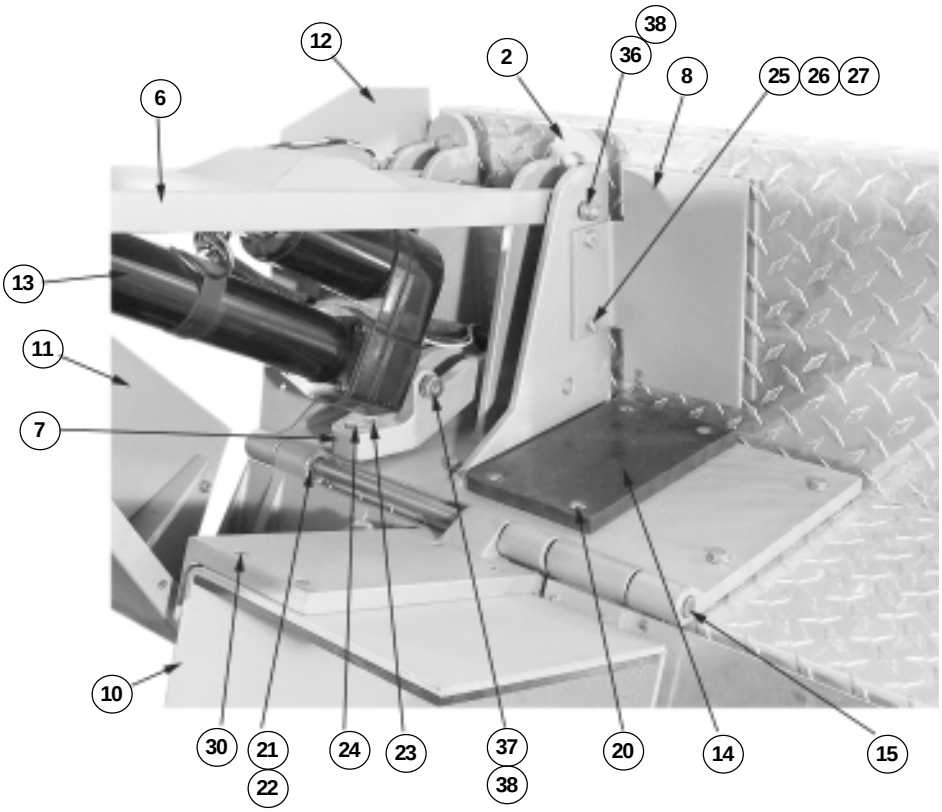


FIGURE 12.
ELECTRICAL SYSTEM



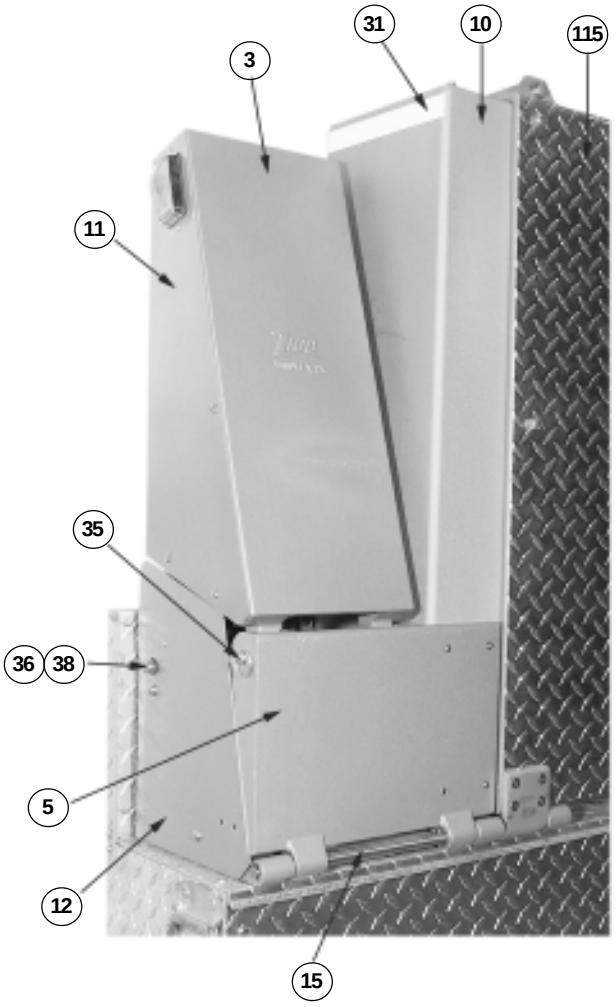
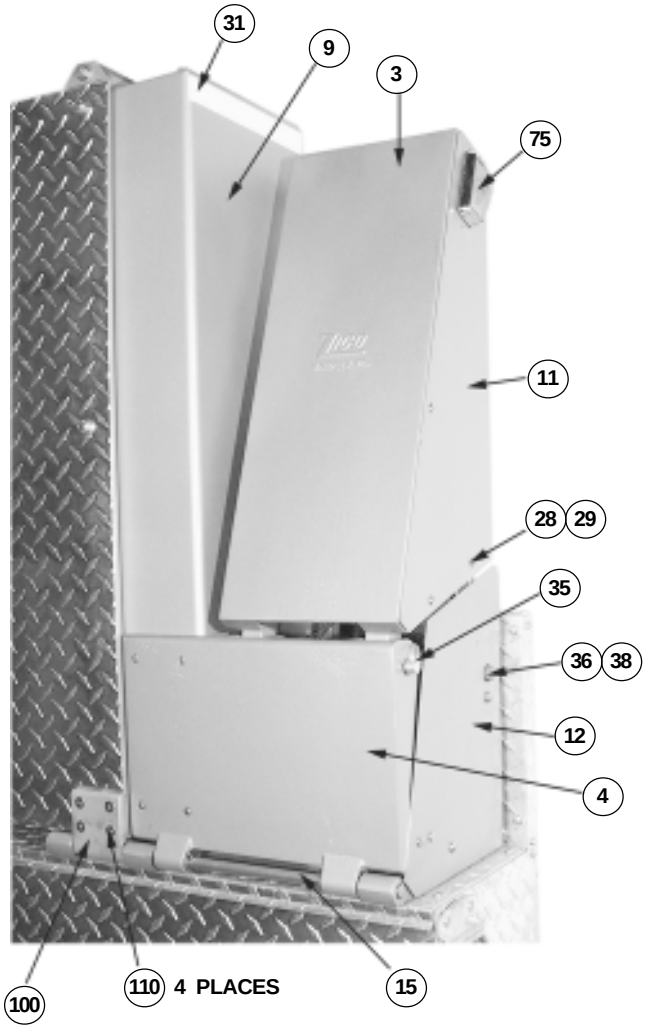


FIGURE 13.
LEFT SIDE
ASSEMBLY



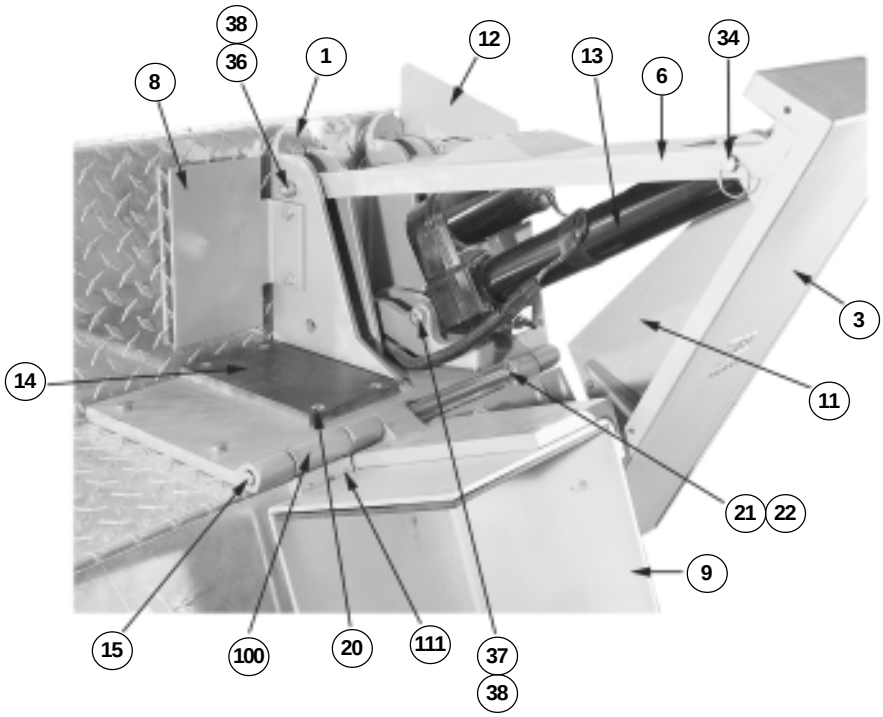


FIGURE 14.
RIGHT SIDE
ASSEMBLY

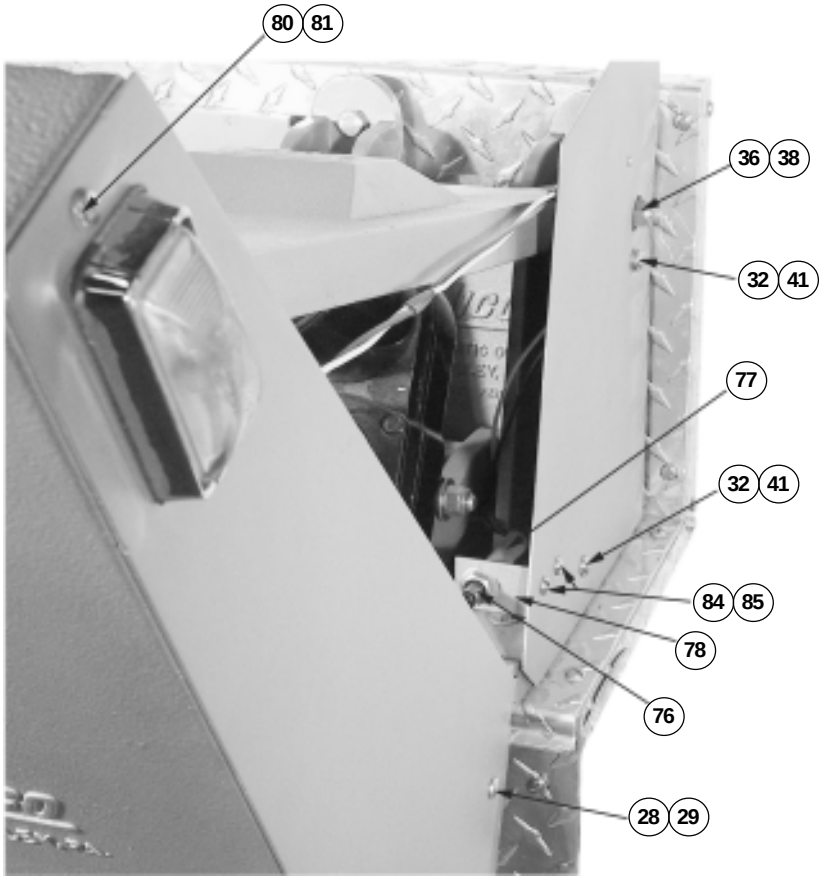


FIGURE 15.
LIGHT KIT
COMPONENTS

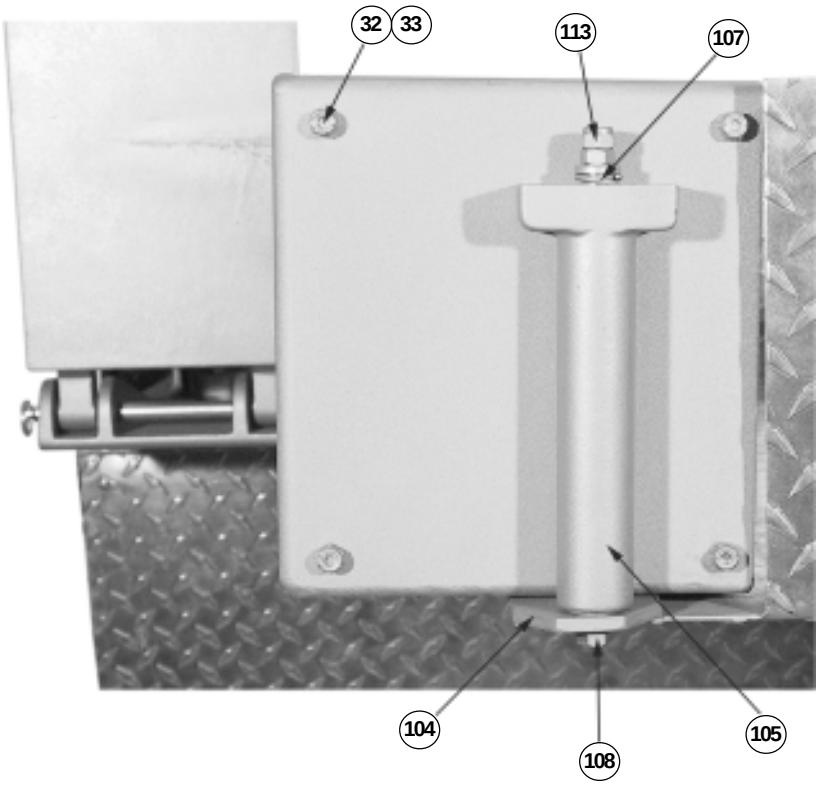
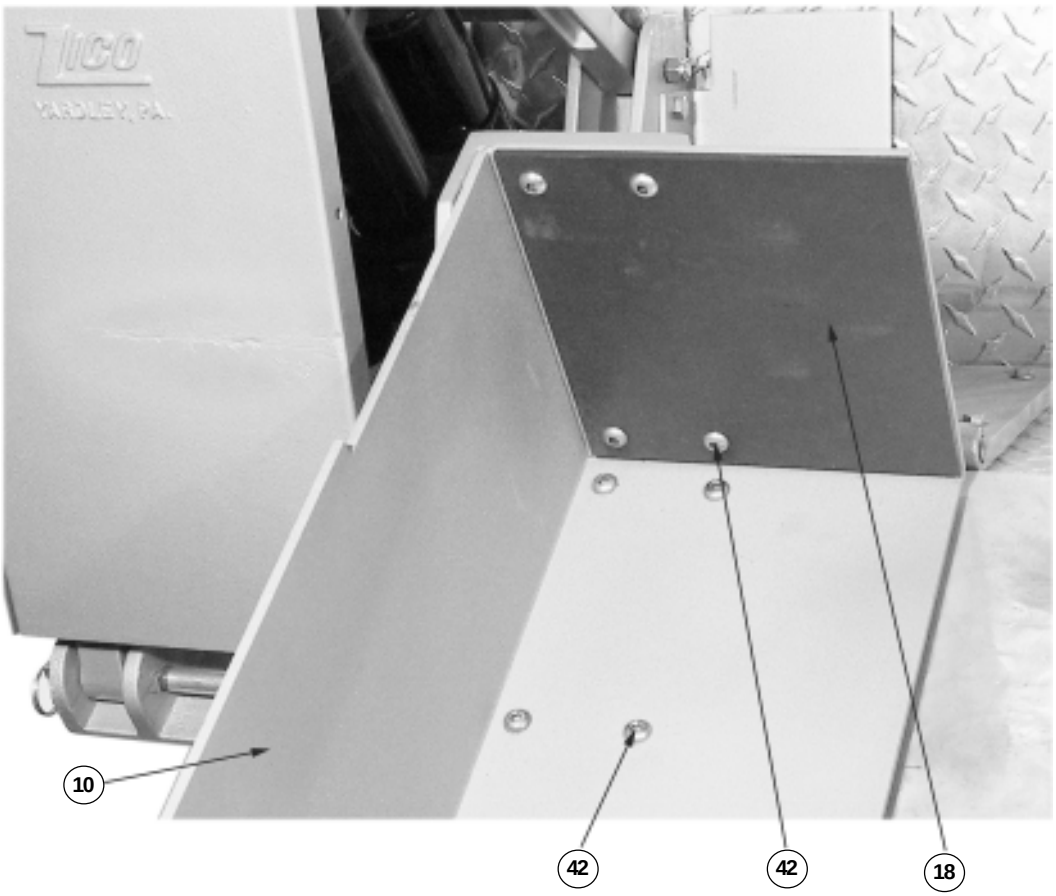


FIGURE 16.
SPRING MECHANISM
FOR TANK COVER
HARDWARE KIT



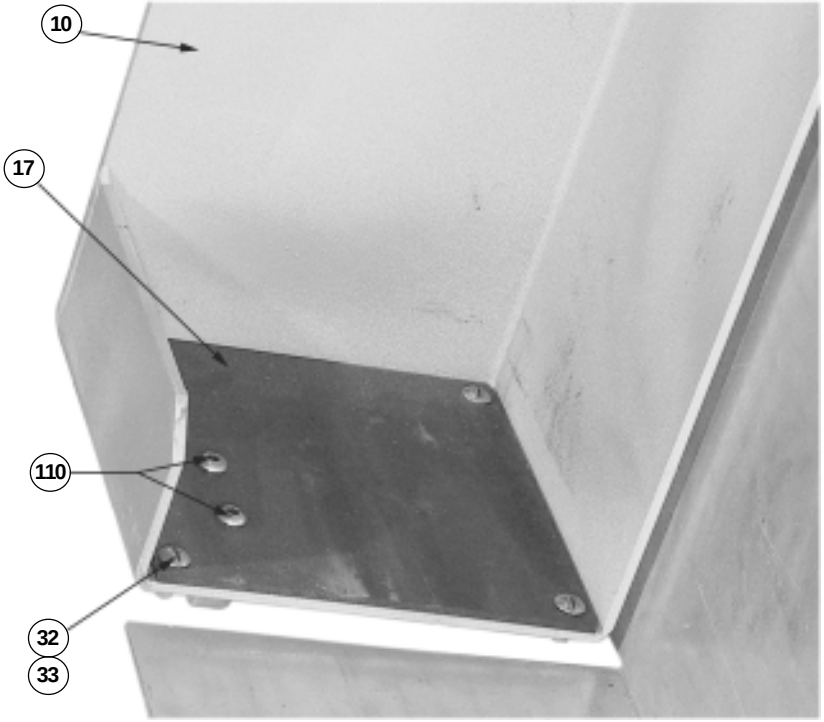


FIGURE 17.
TANK BOX
COMPONENTS

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WARRANTY REGISTRATION

Please Mail Or Fax A Copy To ZICO To Register Your Unit

FIRE DEPARTMENT NAME: _____ CONTACT PERSON: _____

PHONE NO. _____ FAX NO. _____

STREET ADDRESS: _____ P.O. BOX: _____

CITY: _____ STATE: _____ ZIP: _____

SERIAL NO. ON UNIT: (SEE PAGE 13 FOR LOCATION) _____

INSTALLED ON: (VEHICLE MFG.) _____ DELIVERED: (DATE) _____

WAS UNIT INSTALLED ON: _____ NEW VEHICLE

_____ RETROFITTED ONTO EXISTING VEHICLE

WAS A HARD COVER INSTALLED OVER THE PORTABLE TANK? _____ YES _____ NO

IF YES, WAS OUR MODEL PTS-TCH TANK COVER HARDWARE USED TO INSTALL THE COVER? ____ YES ____ NO

NOTE: WARRANTY IS VOIDED IF PTS-TCH IS NOT USED.

MANUFACTURER OF PORTABLE TANK:

_____ FOL-DA-TANK

_____ FIRL

_____ BURCH

_____ OTHER (SPECIFY) _____

SIZE OF TANK:

_____ GALLONS (U.S.)

_____ LENGTH (COLLAPSED)

_____ WIDTH (COLLAPSED)

_____ HEIGHT (COLLAPSED)

WHERE DID YOU HEAR ABOUT OUR PRODUCT?

_____ MAGAZINE AD (SPECIFY) _____

_____ DEALER (SPECIFY) _____

_____ VEHICLE MFG. (SPECIFY) _____

_____ ANOTHER DEPARTMENT (SPECIFY) _____

_____ OTHER (SPECIFY) _____