



Double-Flip™

OWNER'S MANUAL

Side-Flip Tarp System

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SHURCO.com

! SAFETY INSTRUCTIONS

At Shurco®, your safety is our top priority. Please read and thoroughly understand all instructions before operating all equipment. Failure to READ AND FOLLOW INSTRUCTIONS may result in system failure, property damage, or personal injury. Pay close attention to warnings, cautions, and operating instructions. The hazard symbol **!** alerts users of potentially hazardous conditions, and is followed by Caution, Warning, or Danger messages to indicate risk:

- **Danger** : (Red) Indicates an imminently hazardous situation that, if not avoided, WILL result in death or serious injury.
- **Warning** : (Orange) Indicates a potentially hazardous situation that, if not avoided, COULD result in death or serious injury.
- **Caution** : (Yellow) Indicates a potentially hazardous situation that, if not avoided, MAY result in minor or moderate injury or damage to the system.
- **Notice** : (Blue) Indicates operational notes or other essential information without addressing safety.

Regularly inspect equipment to ensure proper performance. Always repair or replace worn or damaged parts immediately to maintain safety. Safety decals are placed at critical locations on the equipment. Keep these decals clean and legible at all times. Replace any decal that is worn, damaged, painted over or otherwise unreadable. Replacement decals can be obtained by your local Shurco dealer.

- Always wear safety glasses during installation and operation.
- Stay clear of moving parts.
- No other use of Shurco equipment is authorized, except as designed.

SHUR-CO, LLC TERMS OF SERVICE

ORDER
TERMS AND CONDITIONS



WARRANTY



PATENTS



SERVICE AND DISTRIBUTION CENTERS

SHURCO.com

LOCATIONS



MESSAGE TO OWNERS

Thank you for choosing Shurco for your tarping system needs. We appreciate your confidence in our products. Please note that while this manual provides comprehensive installation and operation instructions, your trailer may require minor adjustments to these guidelines.

Visit Shurco.com to access the most current version of these instructions and other important product information.

QUESTIONS?

CALL OUR HELP LINE:

1-866-748-7435

MONDAY-FRIDAY

8 AM-5 PM CENTRAL TIME

SAFETY INSTRUCTIONS

- 1. Always wear safety glasses during installation and operation.**
- 2. Stay clear of moving parts.**
- 3. No other use of this system is authorized, except as designed.**

RUST PREVENTION

To prevent rust, paint all exposed metal, such as weld seams and/or metal exposed by grinding or cutting, with corrosion-resistant paint.

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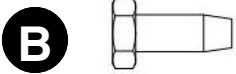
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TOOLS REQUIRED

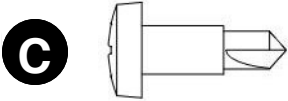
- 1. Wrench Set
- 2. Ratcheting Socket Wrench
- 3. Socket Set
- 4. Hammer
- 5. Tape Measure
- 6. Flat Head and Phillips Screwdriver
- 7. Grinder
- 8. Pliers
- 9. Metal Saw
- 10. Steel Welder
- 11. Drill
- 12. Drill Bits
- 13. Square
- 14. Hack Saw
- 15. Scissors
- 16. Utility Knife
- 17. Side Cutters



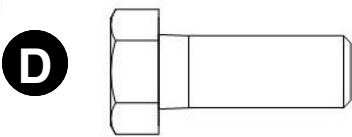
1810274 Pan Head Screw #6-32 x 5/16"



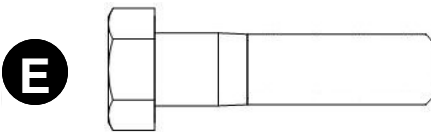
1809472 Hex Head Self-Tapping Screw - #10 x 1/2"



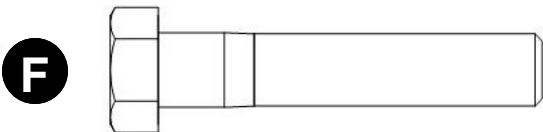
1801224 Self-Tapping Screw - 1/4" x 3/4"



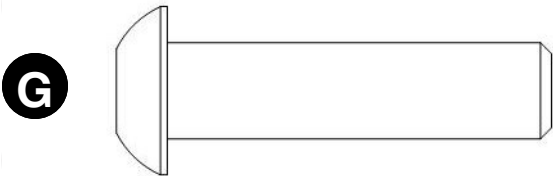
1800795 Cap Screw - 3/8" x 1"



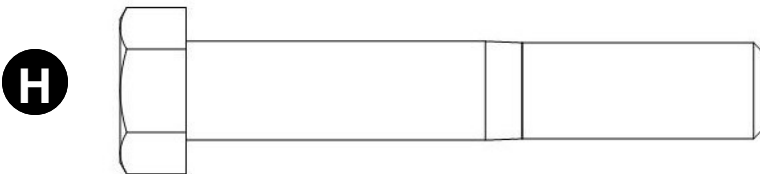
1800790 Cap Screw - 3/8" x 1-1/2"



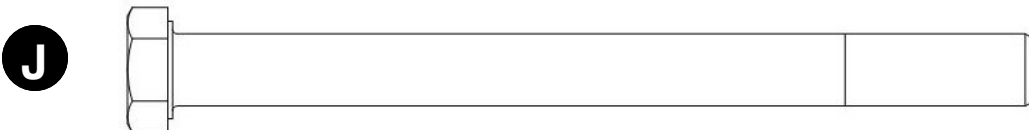
1801372 Cap Screw - 3/8" x 2"



1800245 Button Head Screw - 1/2" x 2" Stainless Steel



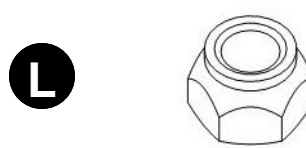
1800901 Cap Screw - 1/2" x 3"



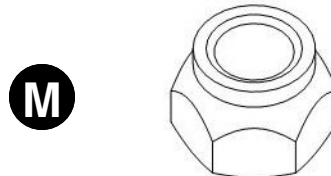
1705032 Cap Screw - 3/8" x 4-1/2"



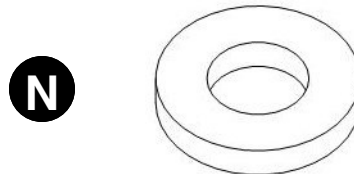
1810275 Nut - #6-32



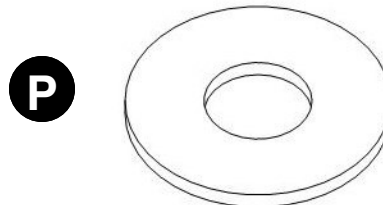
1800993 Lock Nut - 3/8"



1800995 Lock Nut - 1/2"

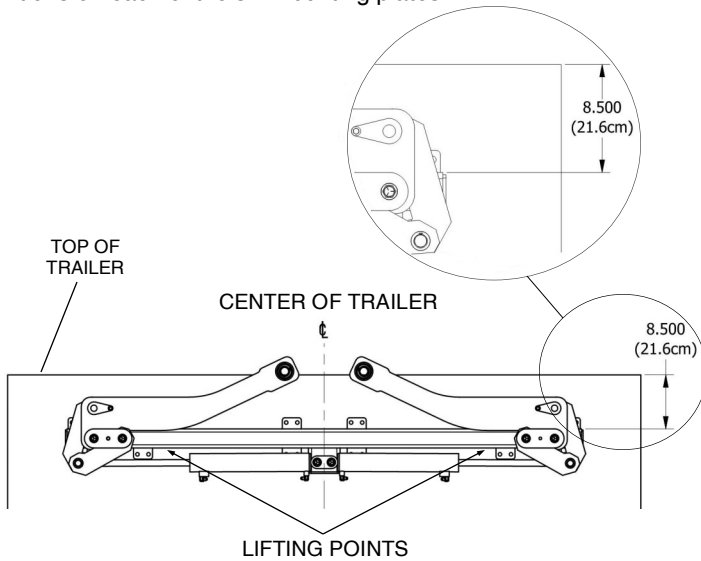


1800246 Washer - 1/2" USS Stainless Steel



1800996 Washer - 1/2" USS

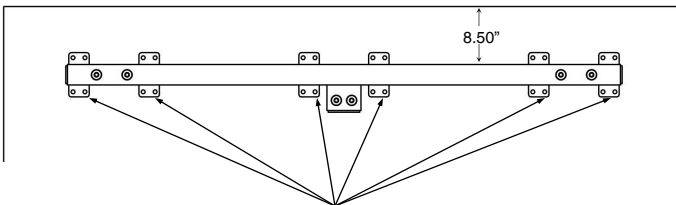
STEP 1: Locate actuator unit on front of trailer. Stationary rectangular tube should be 8.5" from top of trailer and actuator assembly centered on width of trailer. Mark mounting hole locations on each of the six mounting plates.



NOTE: Actuator unit weighs 212 lbs (96.4 Kg). Use over-head lifting device and slings to lift unit. Slings should be wrapped around rectangular mounting tab plates. Do not lift from hydraulic cylinder.

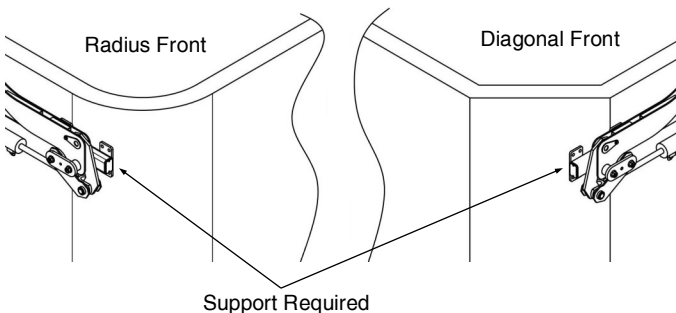
Actuator unit may be welded in place to steel trailer, use extreme caution to protect chrome cylinder rod from weld splatter. Will cause permanent damage to cylinder and void systems warranty.

Top Front of Trailer

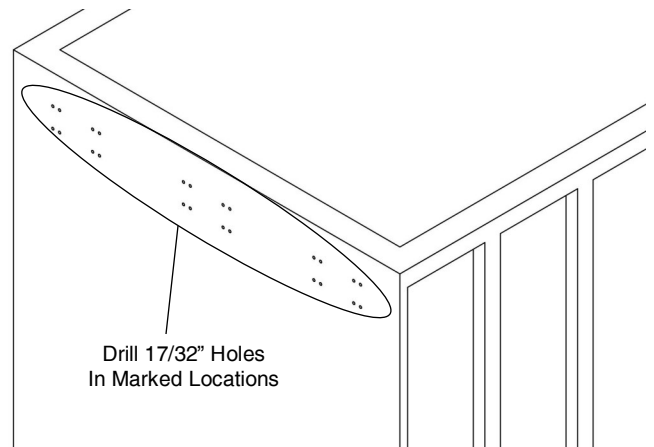


Mark Holes On Mounting Plates

NOTE: If trailer has a radius or diagonal front corner you must support the full actuator. Custom fabrication of support bracket is required.



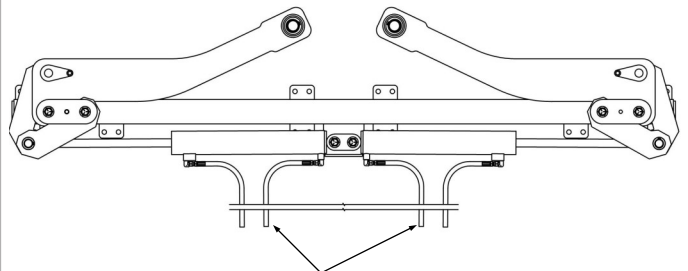
STEP 2: Remove actuator unit and drill (24) 17/32" holes in marked locations.



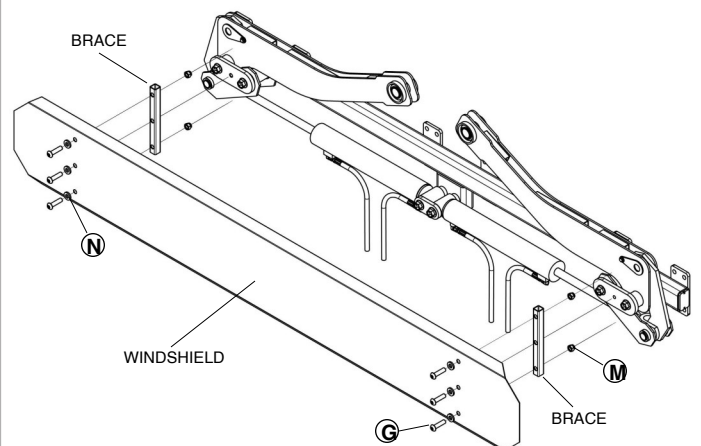
STEP 3: Position actuator in place lining up with drilled holes. Secure in place with 1/2" Grade 5 or (M14 Class 8.8) bolts or better. (bolts not supplied)

NOTE: If front wall of trailer is thin aluminum or steel, reinforce area with backer plate for adequate support.

STEP 4: Connect four 12' hydraulic hoses to cylinders. Use ends with fitting already crimped on hose. For electric pump system application, 9' hoses are used instead of 12' hoses.



STEP 5: Install windshield using braces, bolts **G**, washers **N**, and nuts **M**. Use thread locker provided on center bolts.

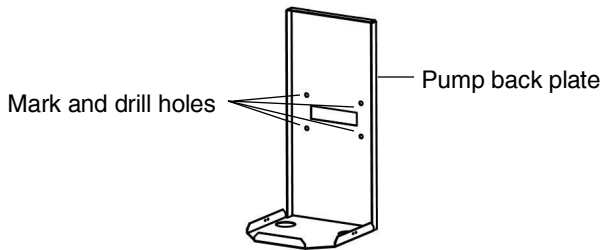
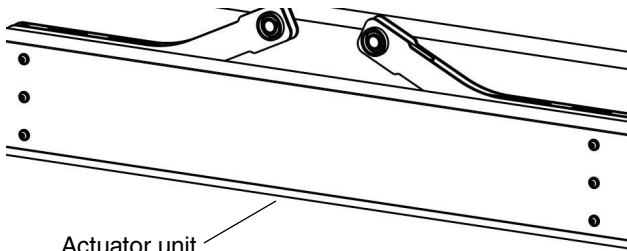


NOTE: For Wet Kits, see page 9 for detailed schematic

STEP 1: Using pump mount bracket as template, locate and mark where hydraulic unit will mount - approximately 1' below actuator unit and center of trailer.

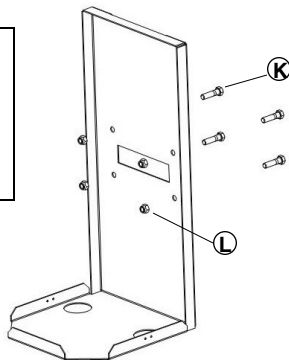
NOTE: Included hydraulic hoses are roughly 12' long.

STEP 2: Remove pump back plate and drill 13/32" holes in marked locations.

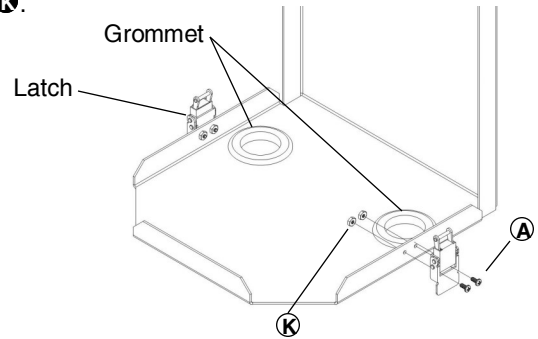


STEP 4: Install pump back plate using provided bolts **E**, and lock nuts **L**.

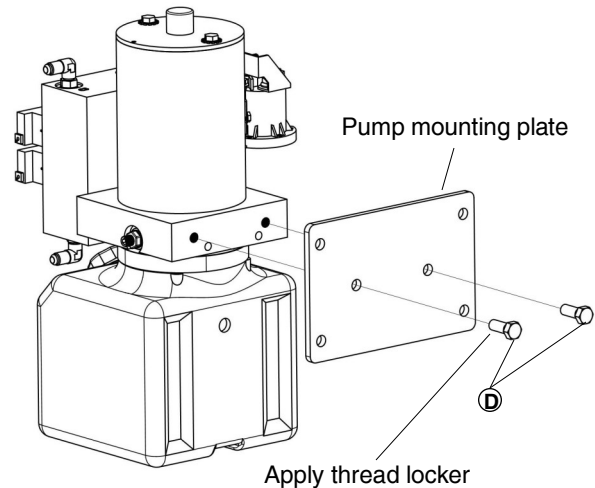
NOTE: Measure remaining thread on back plate bolts. If there is less than 5/8" thread remaining, replace with longer bolts.



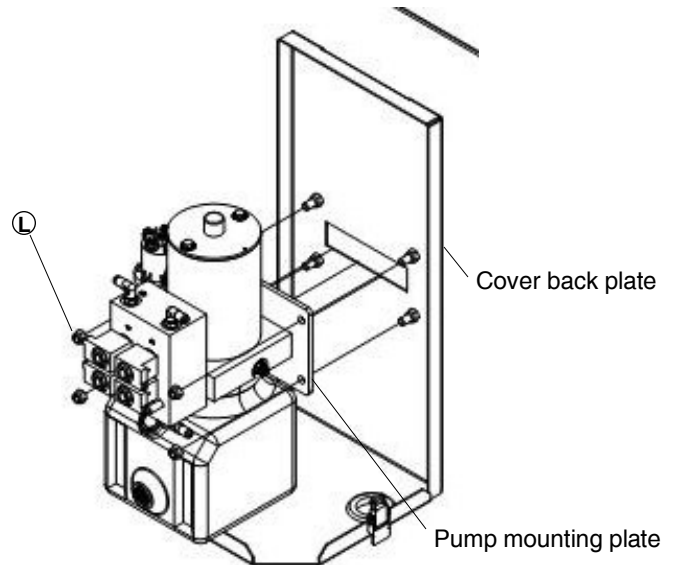
STEP 5: Install rubber grommets in holes at the bottom of pump back plate. Install latches with machine screws **A**, and hex nut **K**.



STEP 6: Install pump mounting plate to back of pump using bolts **D**. Apply thread locker to bolts before installing.

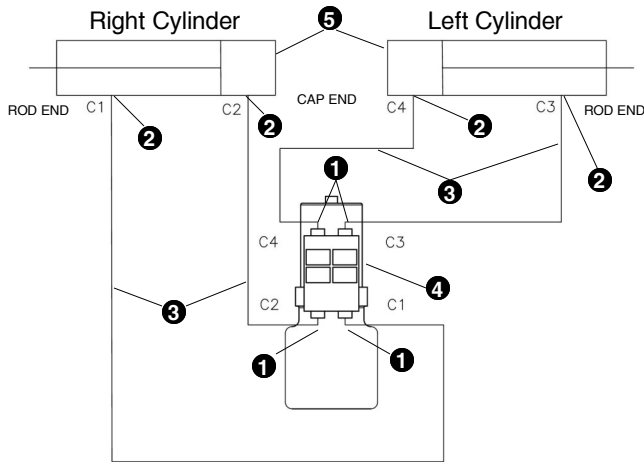


STEP 7: Install pump with mounting plate to pump back plate. Align holes in mounting plate with bolts used to hold cover back plate on body. Use nuts **L** to hold pump in place.



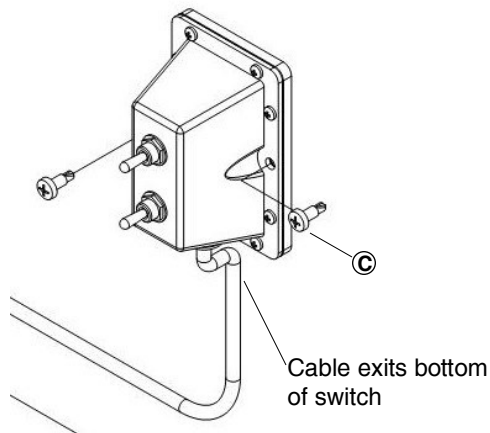
STEP 8: Connect four (4) hydraulic hoses between pump and cylinders as shown below. Port C1 to rod side of right cylinder. Port C2 to cap side of right cylinder. Port C3 to rod side of left cylinder. Port C4 to cap side of left cylinder. Route all hoses through grommets in bottom of pump housing.

NOTE: When referencing left and right orientation, it is viewed from the drivers perspective while facing forward in the drivers seat.



Item	Part#	Description
1.	1800925	Elbow 90° - #4 JIC M x #6 ORB M
2.	1800112	Elbow 90° - #4 JIC M x 1/4" NPT M
3.	1801222	Hydraulic Hose -108" - #4 JIC F Both Ends
4.	1809991	Hydraulic Pump DF
5.	1800205	Hydraulic Cylinder - 15-1/2" Stroke

STEP 9: Mount control switch using two self-drilling screws **C**. Connect control switch to pump solenoid wiring harness. Secure quick disconnect power cable near control switch. Use hose clips and self-drilling screws **C** to organize and secure cables to trailer. Cable must exit the bottom of the control switch. Route cable through grommet in bottom of pump enclosure, connect cable to pump harness connector.

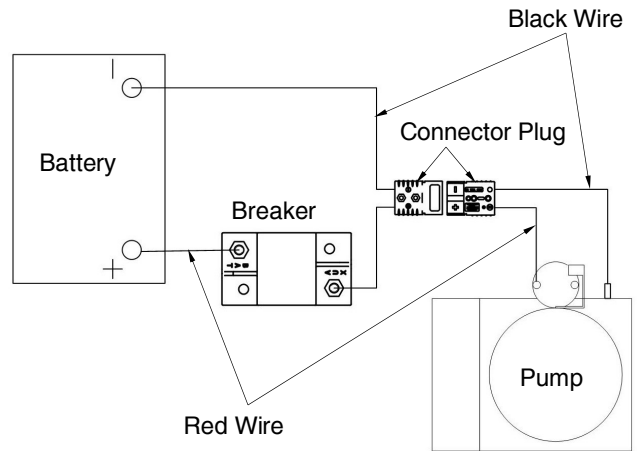


STEP 10: Install all provided safety stickers next to control switch. Stickers are detailed on page 18-19

STEP 11: Remove red cap from filler neck on poly reservoir. Fill with approximately (5) quarts (4.75 L) of Dextron Automatic Transmission fluid. Replace cap with black breather cap provided in reservoir.

NOTE: Under normal operating conditions this fluid will last the life of the pump. In extreme dirty or wet conditions, check fluid every four to six months and change if necessary.

STEP 12: Connect black half of 16' cable to negative post of battery. Connect Red half of 16' cable to AUX post on breaker. Connect BAT side of breaker to positive post on battery. Route 9' power cable through bottom of pump housing. Connect red end of cable to front post of solenoid on pump. Connect black end of cable to ground post on pump block.



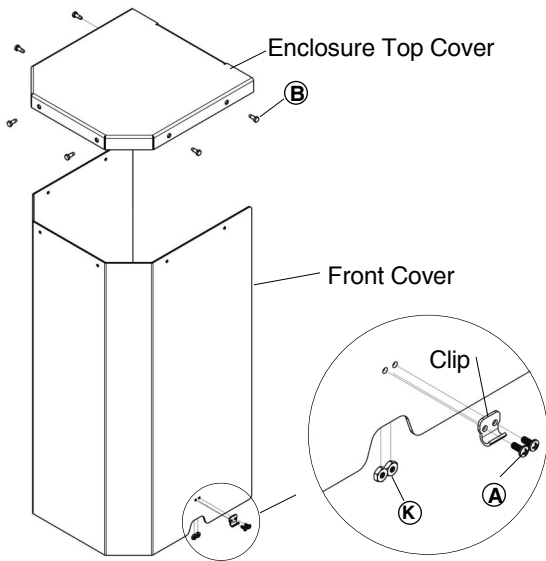
STEP 13: Cycle actuators open allowing pump to operate a few seconds after fully open. Bleed air out of non pressure side of cylinders by cracking fitting at cylinder. Cycle actuator cylinders to the closed position, hold pump in on position a few seconds after closed. Bleed air out of non pressure side of cylinder by cracking line at cylinder. Repeat multiple times removing all air from hydraulic lines.

NOTE: Ensure all air has been removed from system. If you can compress cylinder by lifting on actuator or lid, not all air has been removed.

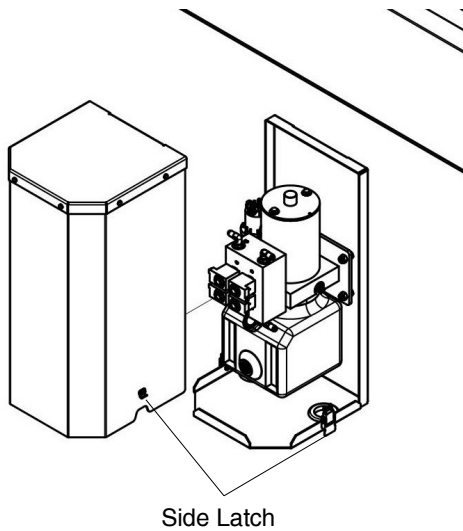
CAUTION

Failure to properly bleed hydraulic lines could result in personal injury and damage to system.

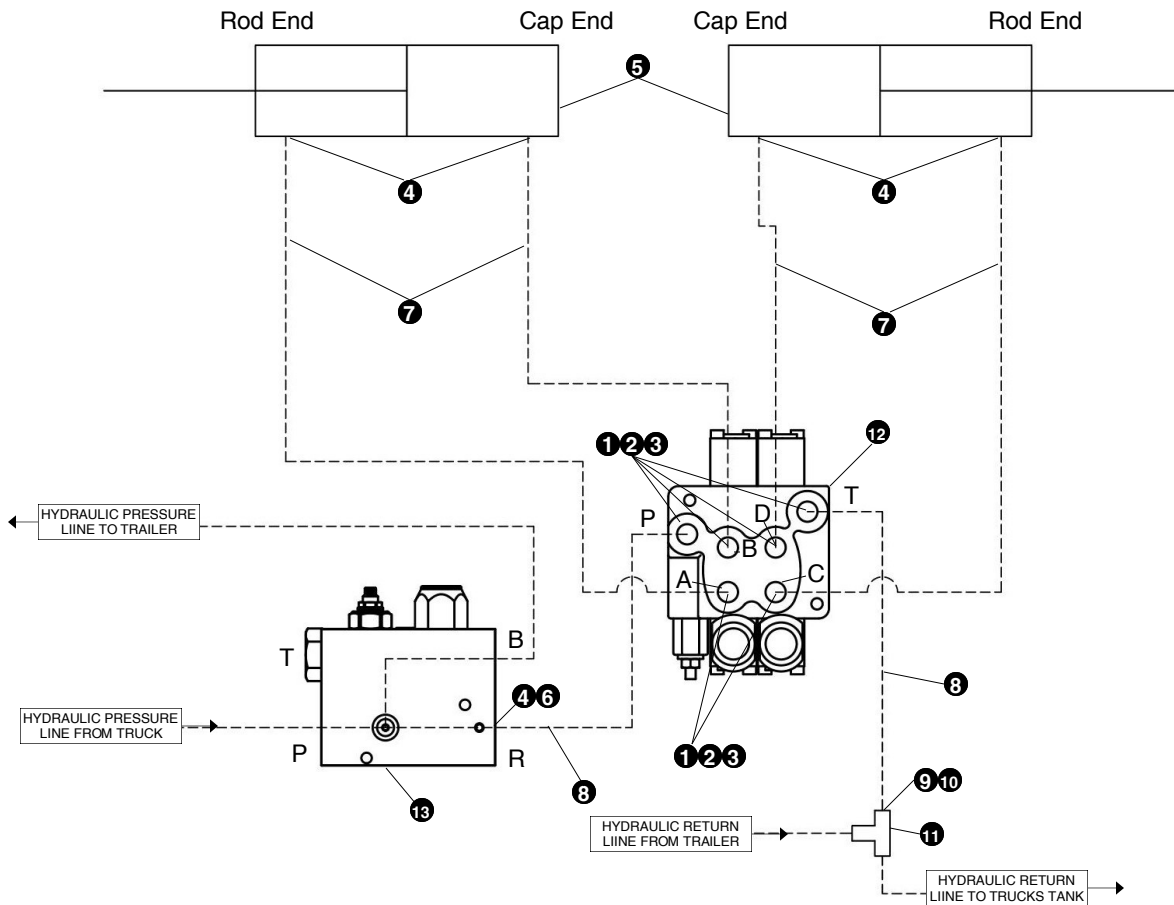
STEP 1: When satisfied with cable/hose routing and no leaks detected after cycle testing. Install the enclosure top cover to front cover, fasten with self tapping screws **B**. Secure clips to bottom sides of front cover with screws **A**, and nuts **K**.



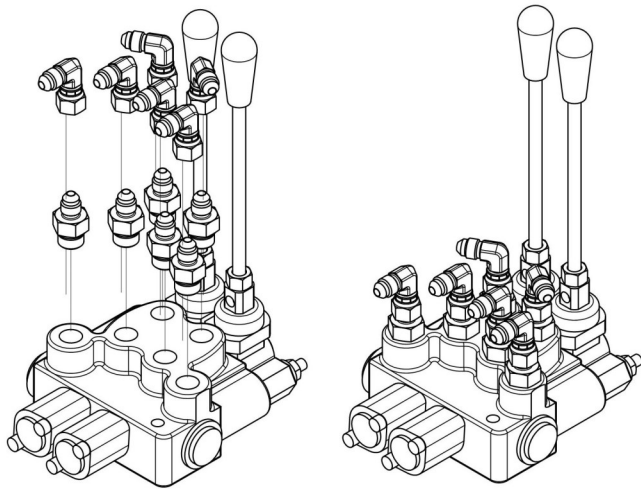
STEP 2: Place assembled cover over pump assembly, use side latches to hold cover in place.



Item	Part#	Description
1.	1804966	Straight #6 ORB M x #4 JIC M
2.	1808567	Elbow 90° - #4 JIC F Swivel x #4 JIC M
3.	1800218	Field Fitting 1/4" Hose x #4 JIC F
4.	1800112	Elbow 90° - 1/4" NPT M x #4 JIC M
5.	1800205	Hydraulic Cylinder - 15-1/2" Stroke
6.	1809922	Reducer - 1/4" NPT F x #10 ORB M
7.	1809979	Hose - 1/4" x 12' - #4 JIC F x Open
8.	1809978	Hose - 1/4" x 6' - #4 JIC F x Open
9.	1809975	Reducer - 1" NPT M x 1/2" NPT F
10.	1809976	Elbow 90° 1/2" NPT M x #4 JIC M
11.	1809914	Pipe T - 1" NPT M x 1" NPT F
12.	1801706	Control Valve - 2 Spool
13.	1800265	Flow Diverter 1.5 GPM



STEP 1: Install hydraulic fittings on control valve. Refer to page 9 for fitting identification.

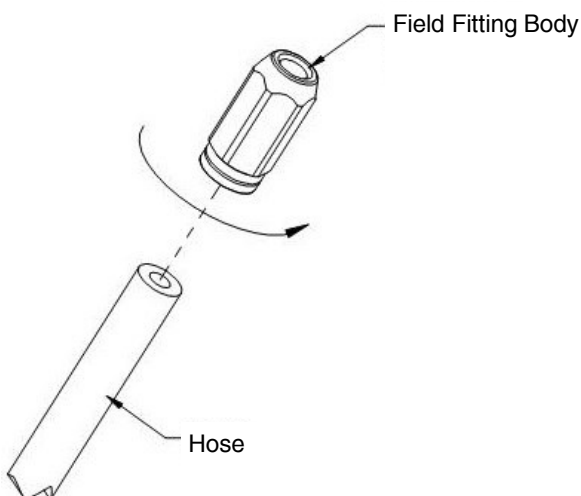


STEP 2: Install control valve on trailer in an area where operator can safely observe and operate the system.

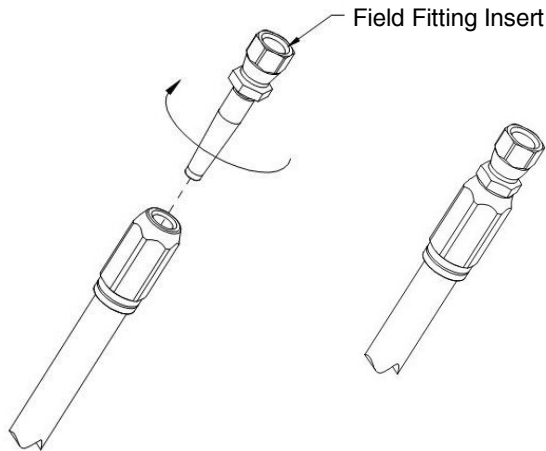
STEP 3: Install all safety decals next to control valve where operator can clearly read them. Refer to page 18 and 19 for decal reference and location.

STEP 4: Connect the crimped end of 12' hose to ports on cylinders. Route hoses to control valve. Mark and cut hoses to length.

STEP 5A: Thread field fitting body (counter clockwise) on cut end of each hydraulic hose.



STEP 5B: Thread fitting insert into body (clockwise) until it is snug against fitting body as shown.



STEP 6: Attach hoses to control valve, Refer to diagram on page 8 for proper routing..

STEP 7: Install priority flow control valve and plumb per diagram on page 9.

NOTE: Due to different hydraulic configurations on trailers, not all fittings will be supplied with system to complete installation. Some fittings and hoses will need to be sourced by installer.

STEP 8: Cycle actuator cylinders to open position operate a few seconds after fully open, to bleed air out. Crack fitting on non pressure side of cylinders if needed. Cycle actuator cylinders to the closed position, operated a few seconds after fully closed, to bleed air out of non pressure side of cylinder. Crack fitting on non pressure sided of cylinders if needed Repeat minimum 10 times removing all air from hydraulic lines.

NOTE: Ensure all air has been removed from system. If you can compress cylinder by lifting on actuator or lid, not all air has been removed.

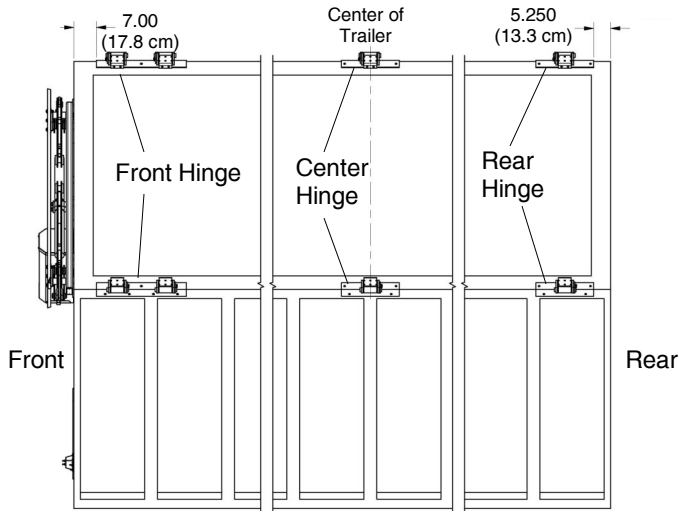
⚠ CAUTION

Failure to properly bleed hydraulic lines could result in personal injury and damage to system.

HINGE INSTALLATION

NOTE: Lid hinges may be mounted by either welding or by bolting. If welding, use caution to protect cylinder rods from weld splatter.

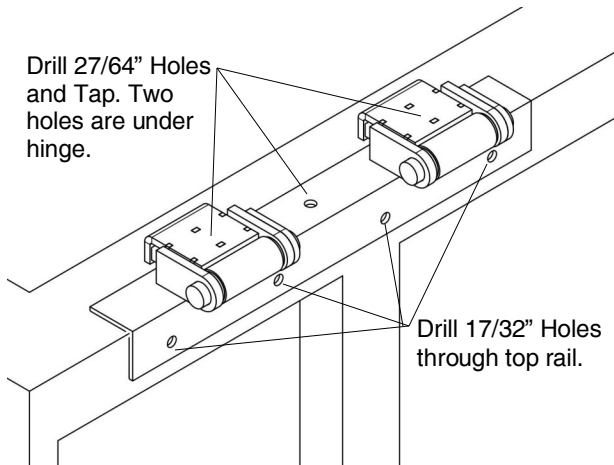
STEP 1: Locate front, center, and rear hinge positions. Center hinge is located at center of trailer. If trailer has center support that interferes with center hinge, position hinge directly beside support.



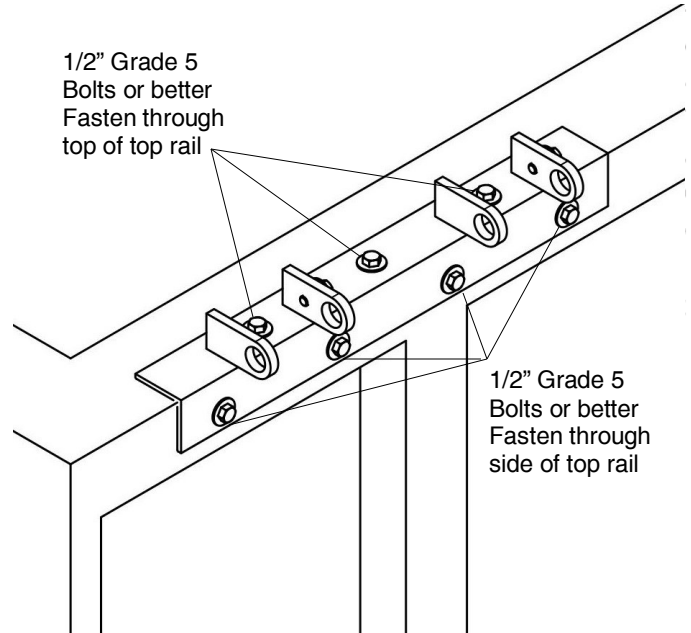
STEP 2a: Weld hinges to trailer if trailer is steel and welding option is preferred.

STEP 2b: Bolting Hinges: Use hinges as template, mark holes on hinges to trailer.

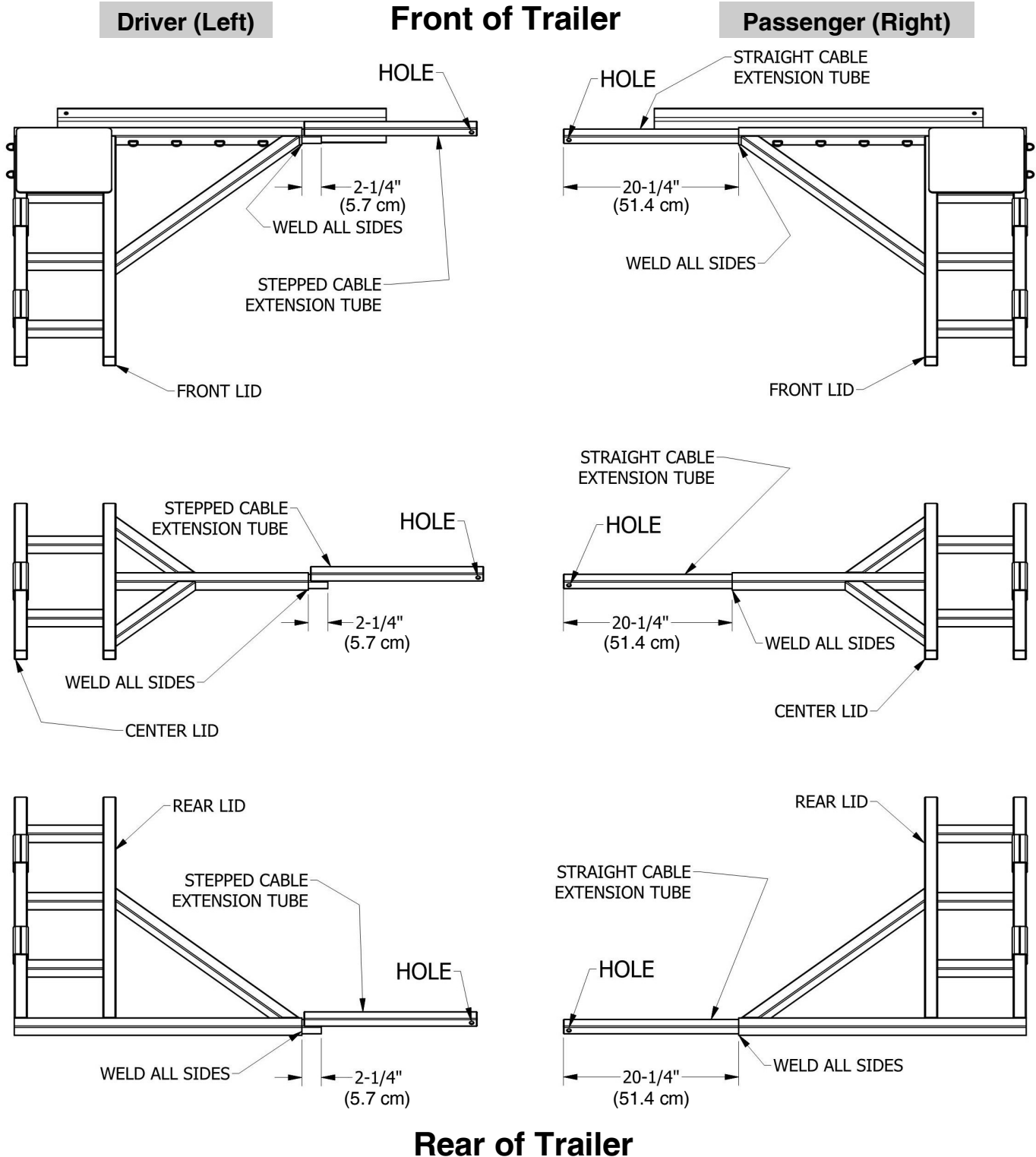
STEP 3: Remove hinges, for holes on side of trailer drill 17/32" holes through top rail. For holes on top of trailer, drill 27/64" holes and tap with 1/2"-13 tap.



STEP 4: Reposition hinges and mount using 1/2" grade 5 bolts or better. (fasteners not supplied)

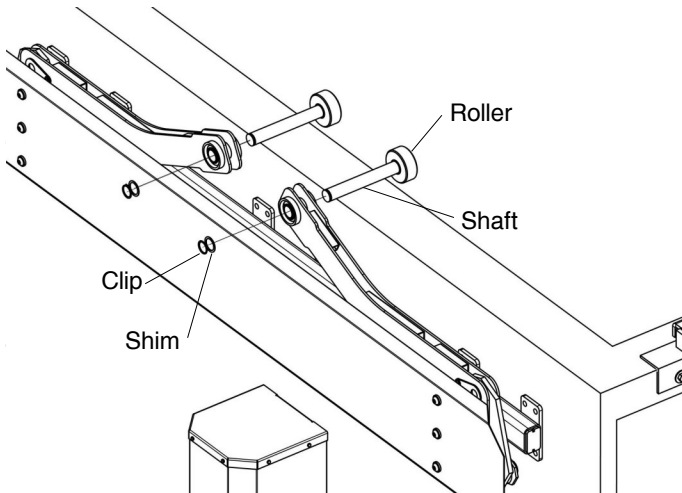


STEP 1: Use image below as reference to assemble cable extension tubes into lid assemblies. Reference hole in extension tubes are exposed and are facing the front and back of trailer. Driver (Left) side hinges use the stepped cable extension tube, Passenger (Right) side hinges use the straight cable extension tube. Use dimensions provided below to assemble extension tubes. Fully weld around extension tube at joint/connections shown below.



STEP 1: Install roller shaft onto actuator arm, retain shaft with shim and c-clip.

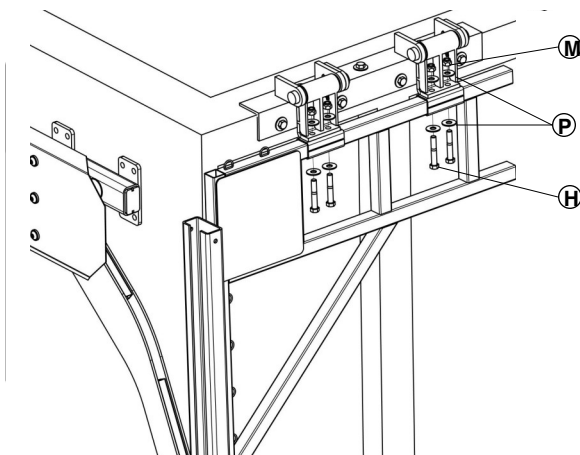
NOTE: The roller shaft should slide freely in arm assembly allowing misalignment in lid when operating.



STEP 2: With actuator arm in near fully open position, slide front lid roller track over roller and pivot lid into alignment with hinge. Attach hinges to lid with bolts (H), washers (P), and lock nuts (M).

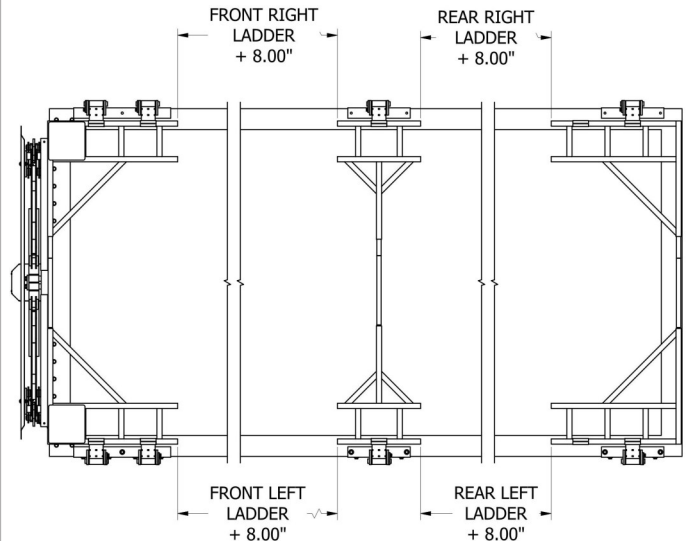
Refer to page 12 for proper hinge assembly layout.

NOTE: Each lid weighs 49 lbs, use overhead lifting device and sling to lift into mounting location.

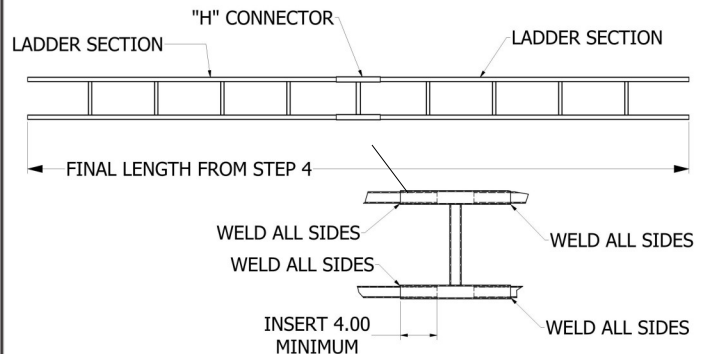


STEP 3: Repeat Step 2 for center and rear lids assemblies using two bolts to connect lids to hinges. Rotate all hinges to the covered position.

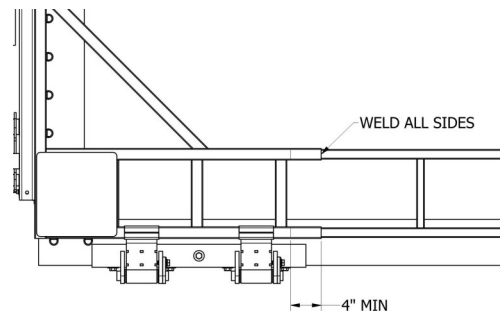
STEP 4: Measure distance between lids and add 8" per section to determine final length of each ladder section.



STEP 5: Assemble two to three ladder sections and "H" connectors to obtain final length of ladder section from previous step. If needed, cut ladder to length. Ensure cut is at least 8" away from nearest rung so there is enough remaining to insert into lids.



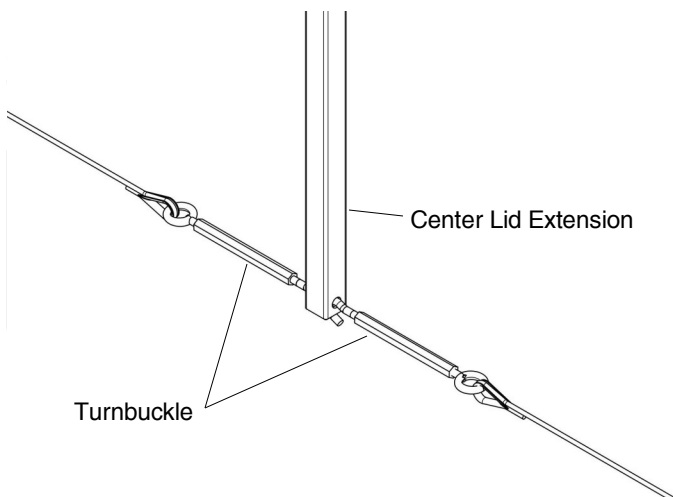
STEP 6: Mark ladder 4" in on each end. Lift and slide front ladder section into front and center lids until each has been inserted a minimum 4". Weld all four sides of each ladder to front and center lids. Note underside will be welded in Step 7.



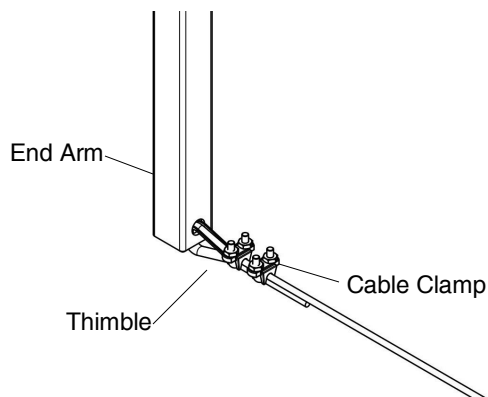
STEP 7: Repeat process for rear ladder and right side assemblies from step 6 using length from Step 4. Open lid assemblies and finish welding bottom side.

STEP 1: Open Left lid until lid lays flat on side of trailer, then open right lid until lid lays flat on side of trailer.

STEP 2: Fully extend turnbuckles on ends of cable assemblies. On center lid extension hook turnbuckles in holes at end of extension.



STEP 3: One cable will attach to front lid extension, second cable will attach to rear lid extension. Thread cable and thimble through hole and fasten cable to itself using two 3/16" ca-

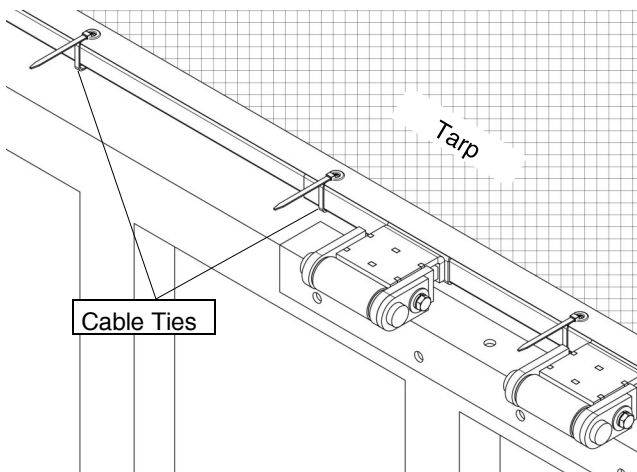


STEP 4: Tighten both turnbuckles evenly until cable is taught. Do not over tighten turnbuckles as this may cause excessive stress on lids and hinges. Apply small amount of liquid thread locker to turnbuckle jam nuts and tighten to prevent loosening of turnbuckles.

STEP 5: Repeat Steps 2, 3, and 4 for other side of trailer.

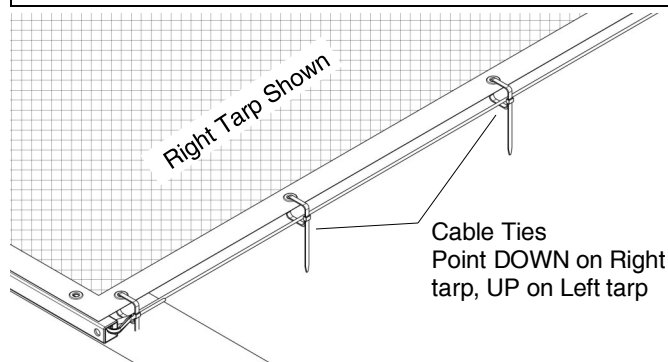
STEP 6: Lay out tarp in a clear open area to verify dimensions and tarp condition.

STEP 7: Close right lid on trailer. Starting from the front of the trailer run cable ties through grommets in tarp and around lid framework. Tighten cable ties and work your way to the rear of the trailer. Use welded D loops on front lid to attach tarp in areas that will not allow you to wrap cable tie around frame-



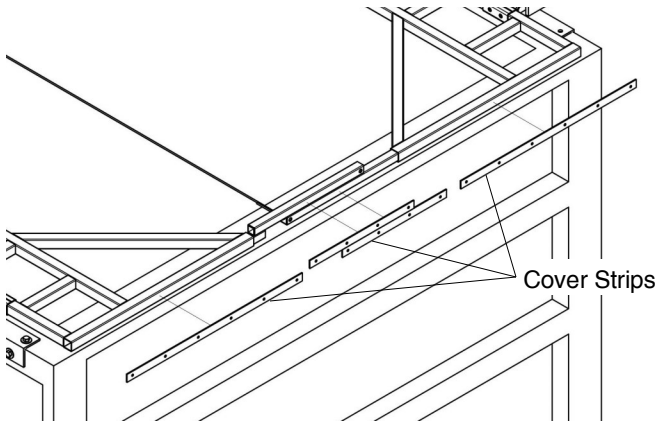
STEP 8: Attach tarp to cable running the length of the trailer using cable ties. Run cable ties through the grommets and around cable. Make sure on right lid assembly the cable tie is pointing towards the ground. For the left lid when installing the cable ties ensure the end of cable tie is pointing to sky.

NOTE: Make sure bottom lid cable ties that are attached to the center cable that the cable ties are facing toward the ground. On top lid the ends of the cable ties must face up. This will help prevent the ends of the cable ties from wearing through the tarp prematurely



STEP 9: For left lid, repeat steps 7 and 8. Ensure cable ties are facing up when attaching tarp to cable. Trim all cable ties when finished.

STEP 10: For trailers that are shorter than the tarp length, cut tarp 6" to 8" past the back lid frame. Fold over excess tarp material over back lid. Hold in tarp in place using aluminum cover strips. Tarp not shown for clarity.



NOTE: Use 2" splice tape (supplied) to protect tarp from sharp edges on the system to prevent tarp wear.

Tip: If there is a gap between the rear lid and rear door on trailer, do not cut the excess material. Roll excess tarp material up and zip tie to the rear lid to help cover the gap.

STEP 11: Grease all hinge assemblies.

Maintenance and Inspection

- Daily Check:

Mechanism for any damage excessive wear or cracks.
Tarps for wear or missing cable ties.
Electrical connections and wires for corrosion or damage.
Hoses and fittings for cracks and leaks.
Tarp cables and adjust if loose.

-Weekly Check:

Cylinders for leaks, excessive wear, damage.
Missing or loose fasteners.
Actuator assembly bushings do not have excessive play.
Actuator and roller assembly for damage or wear.

-Monthly Check:

Operate system for proper and safe operation.
Hinge assemblies are free and properly greased.
Lid assemblies and frame for damage and cracks.

⚠ CAUTION

Before operating this on any tarper, check your surroundings for any overhead power lines tree limbs or other obstruction in path of tarper travel from open to close and

⚠ CAUTION

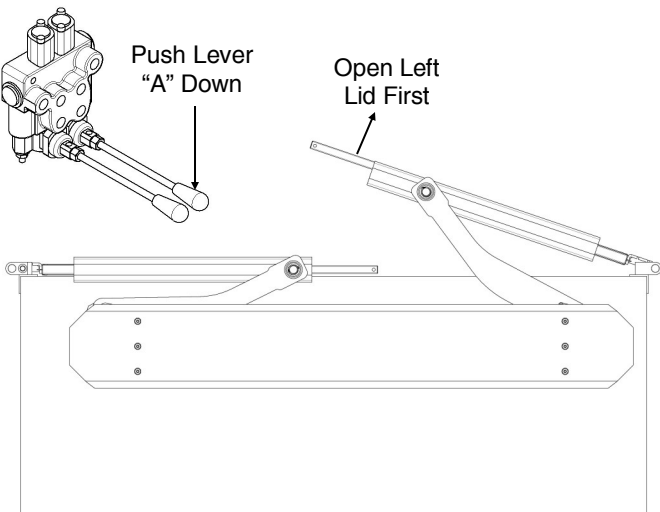
Before servicing ore repairing DoubleFlip™ system, disconnect power to components from vehicles battery or other power source.

NOTE: Noise level is less than 72 dB(A).

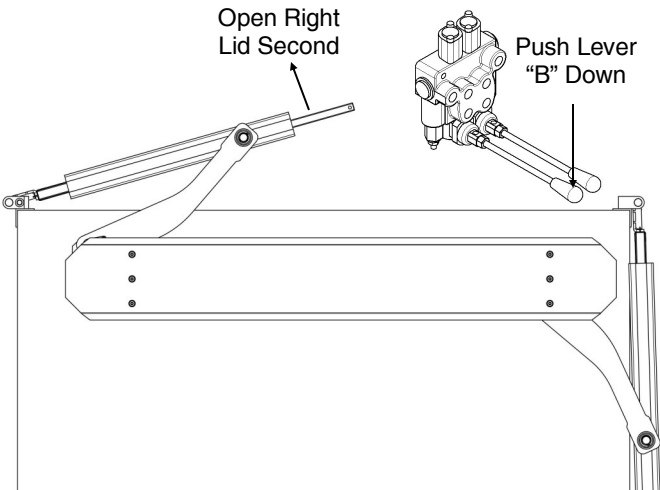
Hydraulic Valve Operation

To Open Tarp:

STEP 1: Push down on lever marked "A" below to open Left lid.

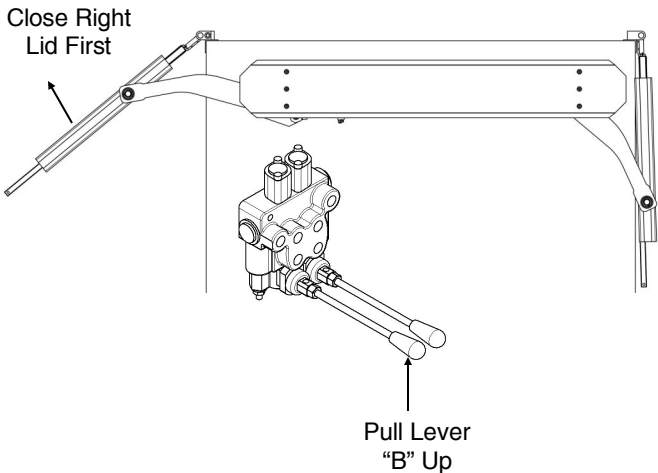


STEP 2: Push down on lever marked "B" below to open Right lid.

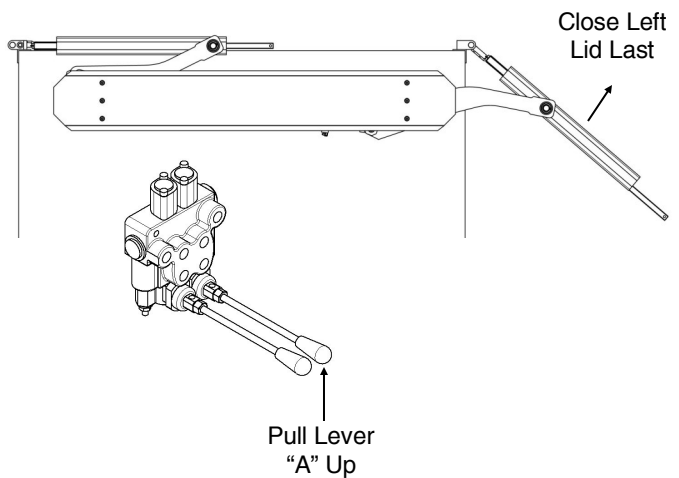


To Close Tarp:

STEP 1: Pull up on lever marked "B" below to close Right lid.



STEP 2: Pull up on lever marked "A" below to close Left lid.



⚠ CAUTION

Ensure both lids are fully closed and cylinders are fully extended before transport. Failure to do so may cause personal injury or death and damage to system.

⚠ CAUTION

Before operating this or any tarper, check your surroundings for any overhead power lines tree limbs or other obstruction in path of tarper travel from open to close and

⚠ CAUTION

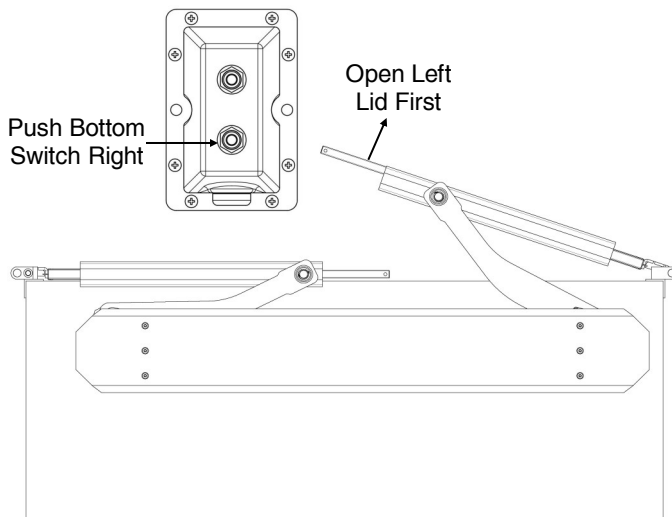
Before servicing or repairing DoubleFlip™ system, disconnect power to components from vehicles battery or other power source.

NOTE: Noise level is less than 72 dB(A).

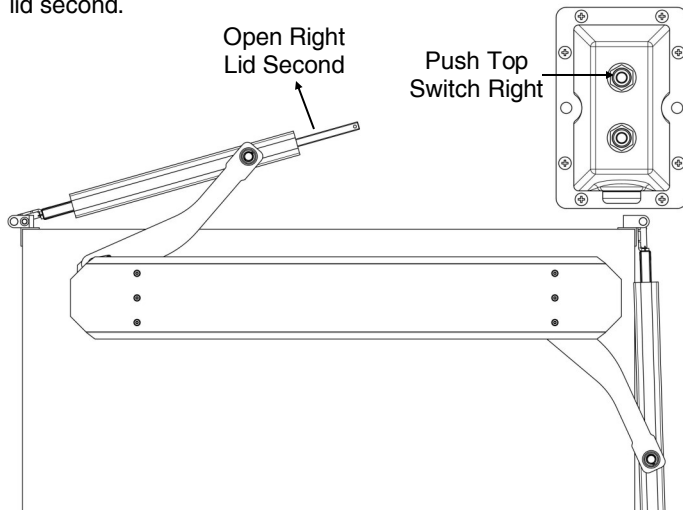
Electric Pump Operation

To Open Tarp:

STEP 1: Push bottom switch on control switch to right to open Left lid first.

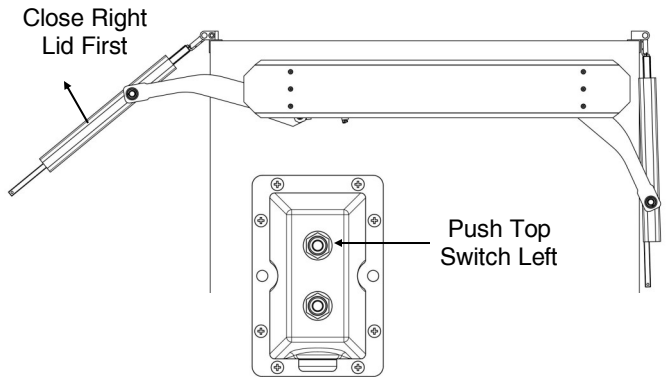


STEP 2: Push top switch on control box to right to open Right lid second.

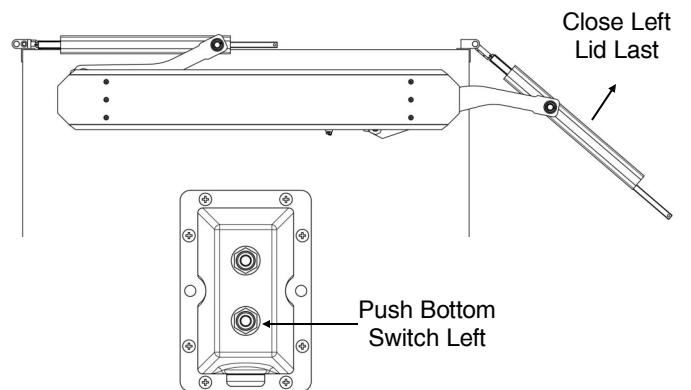


To Close Tarp:

STEP 1: Push top switch on control box left to close Right lid.

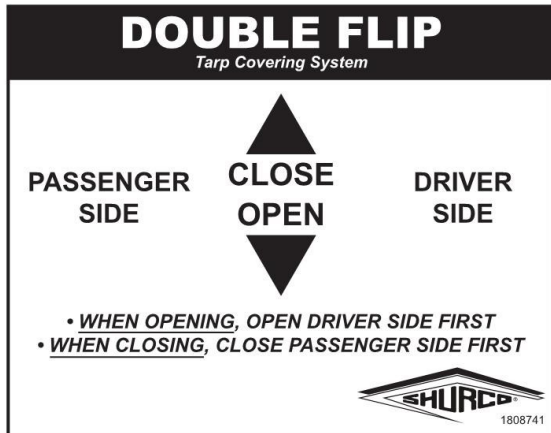


STEP 2: Push bottom switch on control box left to close Left lid.

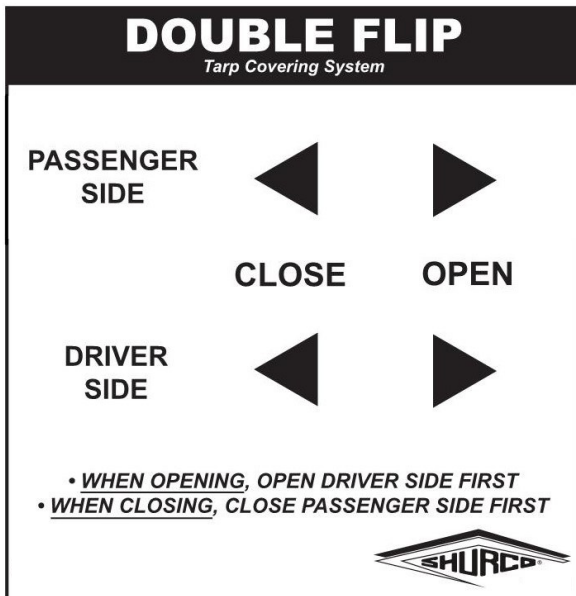


⚠ CAUTION

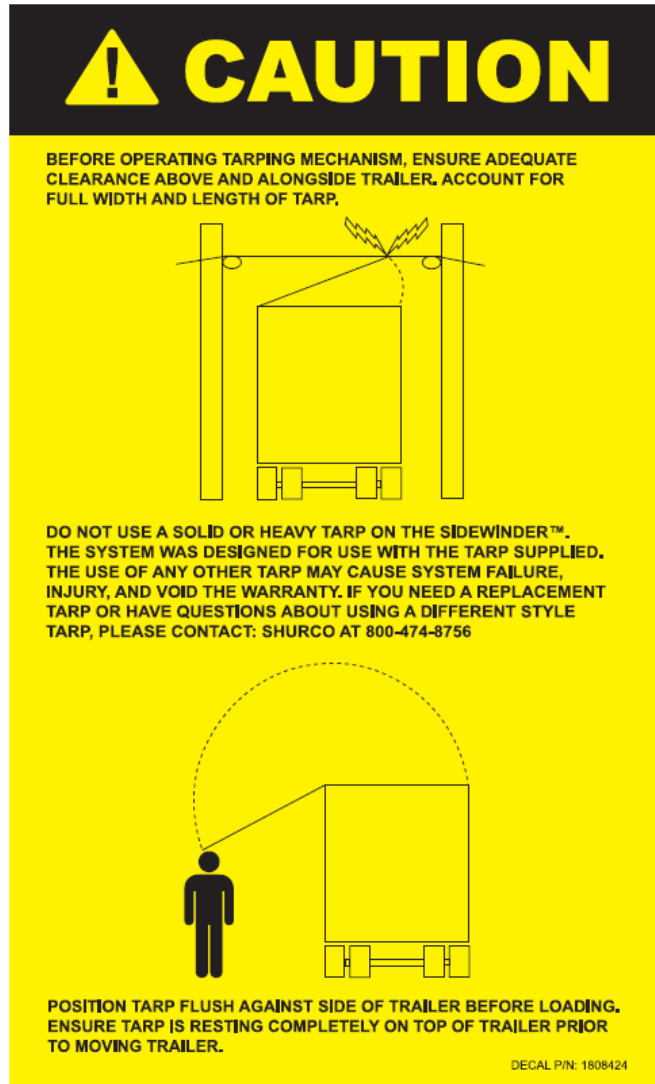
Ensure both lids are fully closed and cylinders are fully extended before transport. Failure to do so may cause personal injury or death and damage to system.



Hydraulic Control Decal P/N 1808741



Electric Pump Control Decal P/N 1810344



Caution Decal P/N1808424

CAUTION

TO PREVENT RISK OF INJURY,
KEEP HANDS AWAY FROM MOVING
PARTS WHILE TARP SYSTEM IS IN
OPERATION.

ATTENTION

POUR EVITER LES ACCIDENTS,
TENIR LES MAINS ELOIGNEES DES
PIECES EN MOUVEMENT QUAND LE
SYSTEME DE BACHAGE EST
ACTIONNE.

CAUTION

**DO NOT MOVE VEHICLE WITH TARP
SYSTEM IN RAISED POSITION.**

ATTENTION

NE PAS BOUGER LE VEHICULE
QUAND LE SYSTEME DE BACHAGE
EST EN POSITION HAUTE.

CAUTION

ENSURE ADEQUATE LIGHTING
WHENEVER OPERATING YOUR TARP
COVERING SYSTEM.

IF SUFFICIENT DAYLIGHT IS NOT
AVAILABLE, DO NOT OPERATE
WITHOUT ALTERNATE LIGHTING.
BEFORE OPERATING TARP SYSTEM,
ENSURE AREA ABOVE AND BESIDE
VEHICLE IS CLEAR OF ELECTRICAL
LINES OR OTHER OBSTRUCTIONS.

ATTENTION

AVANT DE COMMENCER
L'OPERATION DE BACHAGE IL EST
NECESSAIRE QUE LA LUMIERE SOIT
SUFFISANT, SI CELLE-CI EST
INSUFFISANTE NE PAS COMMENCER
LE BACHAGE AVANT D'AVOIR
AJOUTER UNE LUMIERE D'APPOINT.
VOUS DEVEZ VERIFIER AUSSI QUE
LA ZONE DE MANOEUVRE EST
SUFFISANTE ET EST DEGAGEE DE
LIGNES ELECTRIQUES OU DE TOUT
AUTRE OBSTACLE

Caution Decal P/N 1808458

NOTICE**SIDEWINDER™
MAINTENANCE SCHEDULE****DAILY**

- Check tarp for rips or holes, use zip ties to make repairs. Timely repairs will prevent rips or holes from getting larger and help extend the life of tarp.

BI-WEEKLY

- Maintain proper cable tensions by tightening turnbuckles as necessary.
- Ensure tarp is secured along all sides, center leg and cables.

MONTHLY

- Grease the actuator, grease fittings are accessible through notches in the plastic motor cover.
- Check the tightness of all nuts and bolts on the entire system.
- Check to ensure that split collars are tight.
- Inspect electrical wires and connectors for damage or exposed wires.

SEMI-ANNUALLY

- Check fluid hydraulic pump. Remove the plastic motor cover over the hydraulic pump - if fluid is not at the top of the fill port, refill with Dexron automatic transmission fluid.

VISIT SHURCO.COM OR CALL 1-800-474-8756

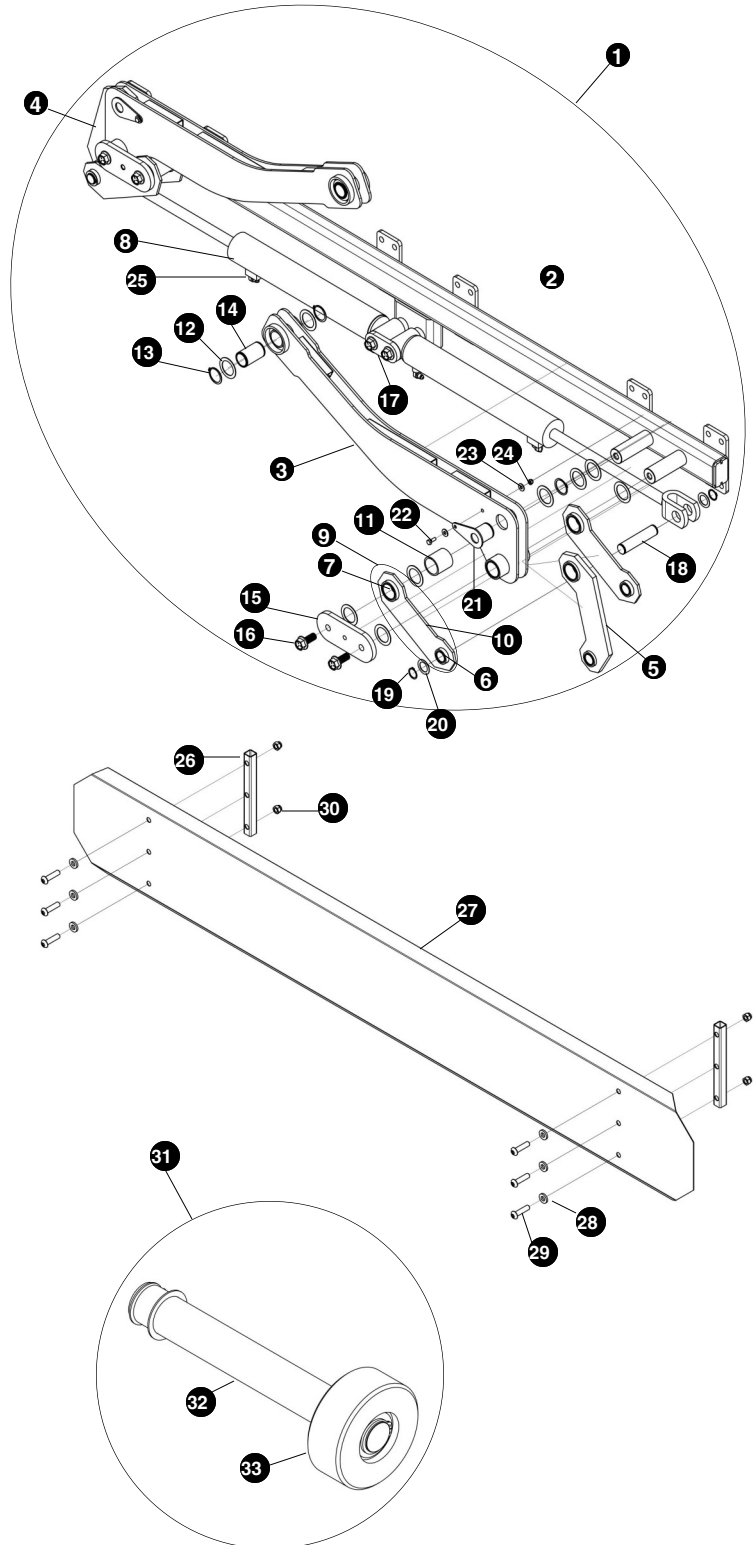
For technical assistance, warranty information, instruction manual or ordering information.

DECAL P/N: 1808425

Maintenance Decal P/N 1808425

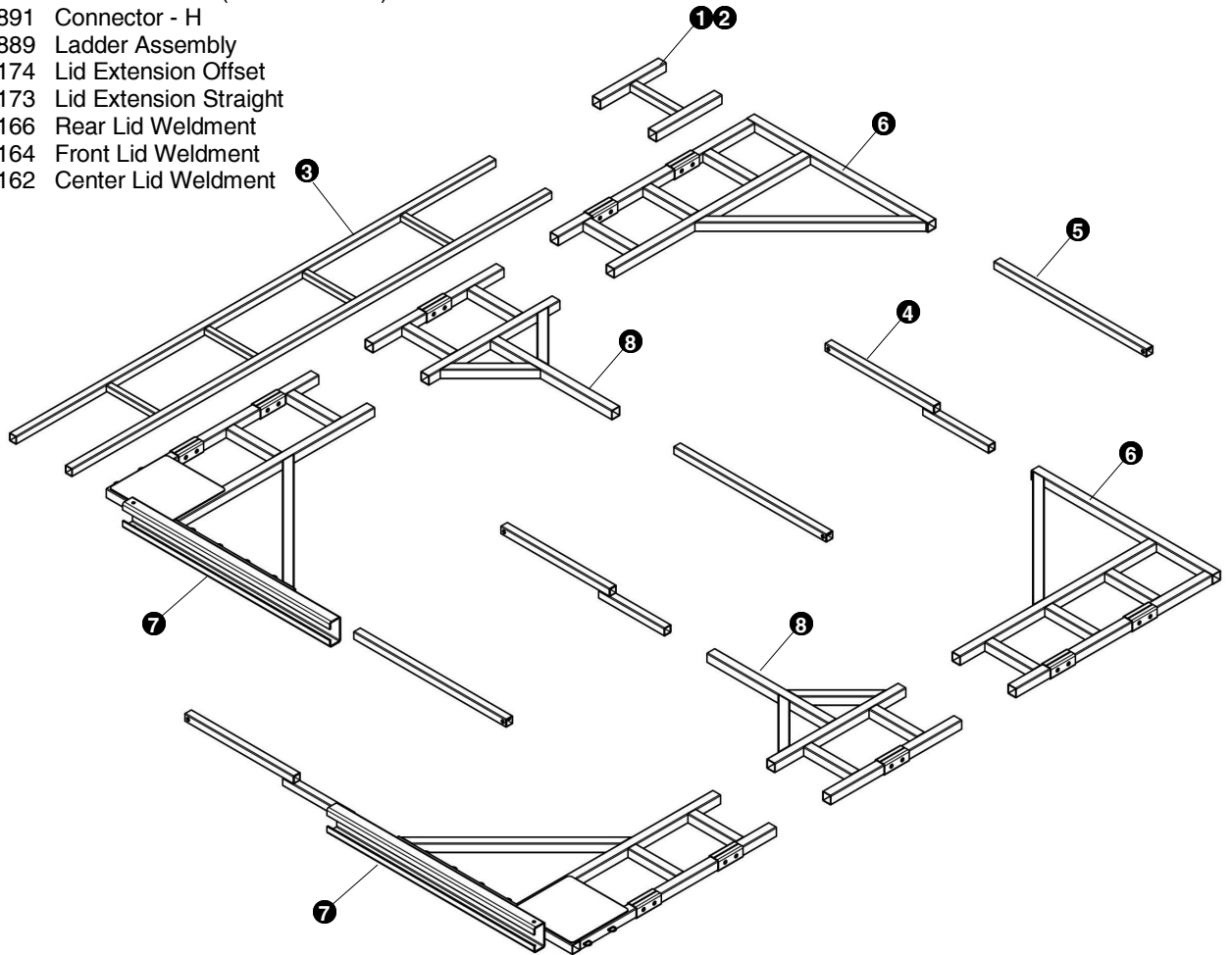
FRONT ACTUATOR ASSEMBLY

Item	Part#	Description
1.	1800189	Backhoe Actuator Assembly Double Flip
2.	1800209	Base Tube Weldment
3.	1800197	Rotating Arm
4.	1800190	Long Link w/Bushings (includes 5, 6, 7)
5.	1800191	Long Link
6.	1800497	Bushing - 1" ID x 1-1/4" OD x 1"
7.	1800879	Bushing - 1-1/2" ID x 1-3/4" OD x 1"
8.	1800205	Hydraulic Cylinder - 2-1/2" x 15-1/4"
9.	1800180	Short Link w/Bushings (includes 6, 7, 10)
10.	1800181	Short Link
11.	1800207	Short Link Spacer
12.	1800204	Shim
13.	1800880	External Retaining Ring 1.5"
14.	1800203	Bushing Turned
15.	1800194	Pin Connector
16.	1800232	Hex Bolt w/Serrated Washer - 5/8" 1-1/2"
17.	1800195	Pin Connector Cylinder DF
18.	1800211	Long/Short Link Pin DF
19.	1801707	External Retaining Ring 1"
20.	1800250	Shim - 1" ID x 1-1/2" OD x .047"
21.	1800208	Long Link Pin Weldment
22.	1800767	Bolt 1/4" x 3/4" LG
23.	1800784	Flat Washer 1/4" USS
24.	1800699	Nylon Lock Nut 1/4"
25.	1800112	Hydraulic Fitting - #4 JIC x 1/4" NPT M 90°
26.	1800295	Deflector Brace
27.	1800231	Windshield Double Flip
28.	1800246	Washer 1/2" USS Stainless
29.	1800245	Button Head Screw 1/2" x 2" Stainless
30.	1800995	Nylon Lock Nut 1/2"
31.	1800335	Roller Shaft Assembly
32.	1800331	Roller Shaft
33.	1800177	Roller - UHMW



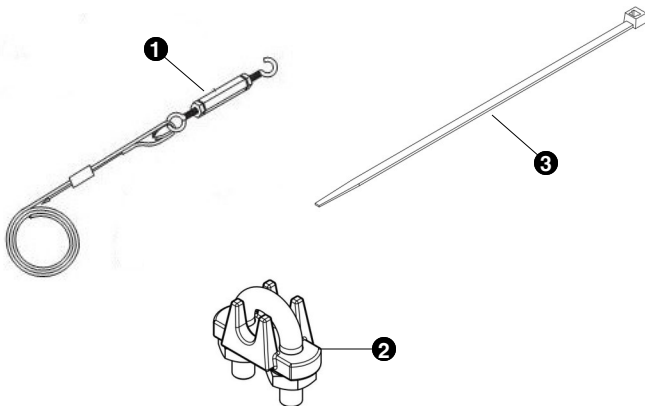
LID ASSEMBLY

Item	Part#	Description
1.	1801233*	4H Connectors (includes 4 of 2)
2.	1800891	Connector - H
3.	1800889	Ladder Assembly
4.	1800174	Lid Extension Offset
5.	1800173	Lid Extension Straight
6.	1800166	Rear Lid Weldment
7.	1800164	Front Lid Weldment
8.	1800162	Center Lid Weldment



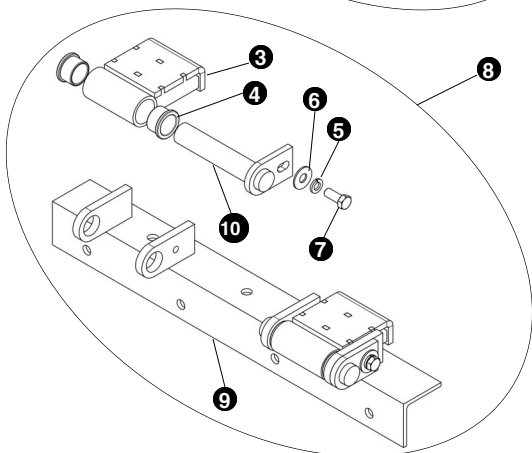
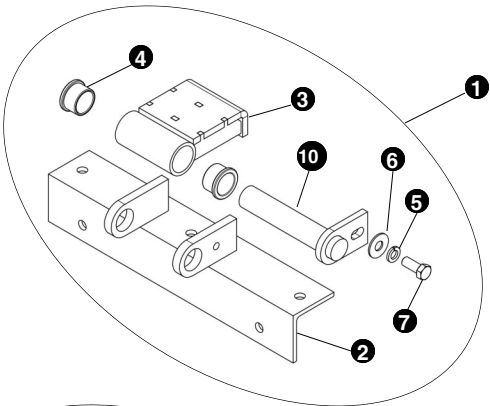
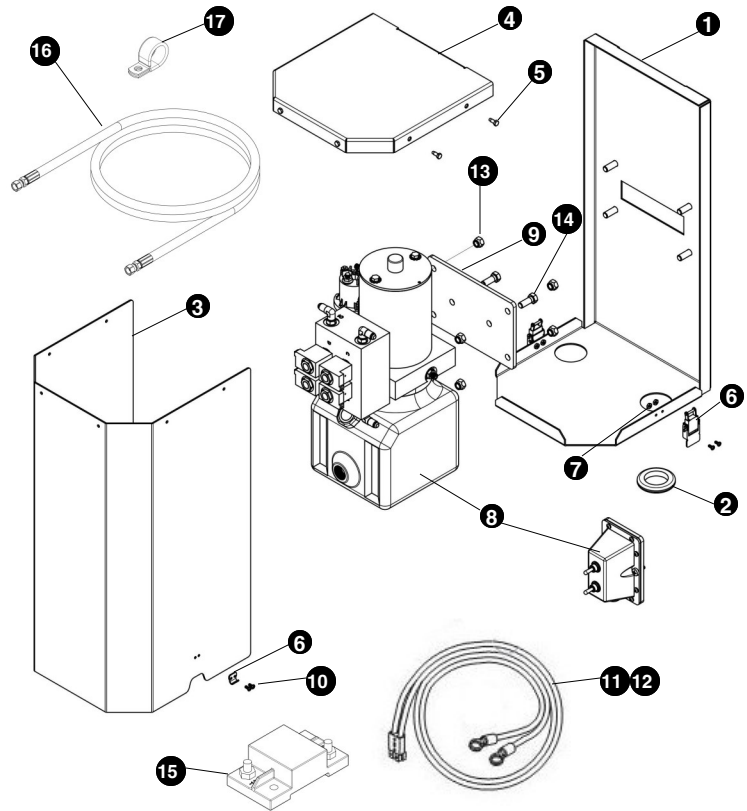
LID COMPONENTS

Item	Part#	Description
1.	1801276	Cable w/Turnbuckle - 30'
2.	1800872	Cable Nut - 3/16"
3.	1800976	Cable Ties 8"



ELECTRIC PUMP COMPONENTS

Item	Part#	Description
1.	1089931	Pump Cover Panel - Rear
2.	1202938	Rubber Grommet 1.5"
3.	1809929	Pump Cover Panel - Front
4.	1809930	Pump Cover Panel - Top
5.	1809472	Hex Head Selft Tapping Screw - #10 x 1/2"
6.	1810060	Latch - Hook and Lever Latch
7.	1810275	Nut - #6-32
8.	1809991	Hydraulic Pump Double Flip 12V
9.	1809932	Pump Mounting Plate
10.	1810274	Pan Head Screw - #6-32 x 5/16"
11.	1801237	Wire Harness 4GA x 9FT
12.	1801238	Wire Harness 4GA x 16FT
13.	1800993	Lock Nut 1/2"
14.	1800795	Cap Screw - 3/8" x 1-1/2"
15.	1800458	Circuit Breaker - 150 A
16.	1801222	Hydraulic Hose 9'
17.	1800923	Loop Strap 3/4"

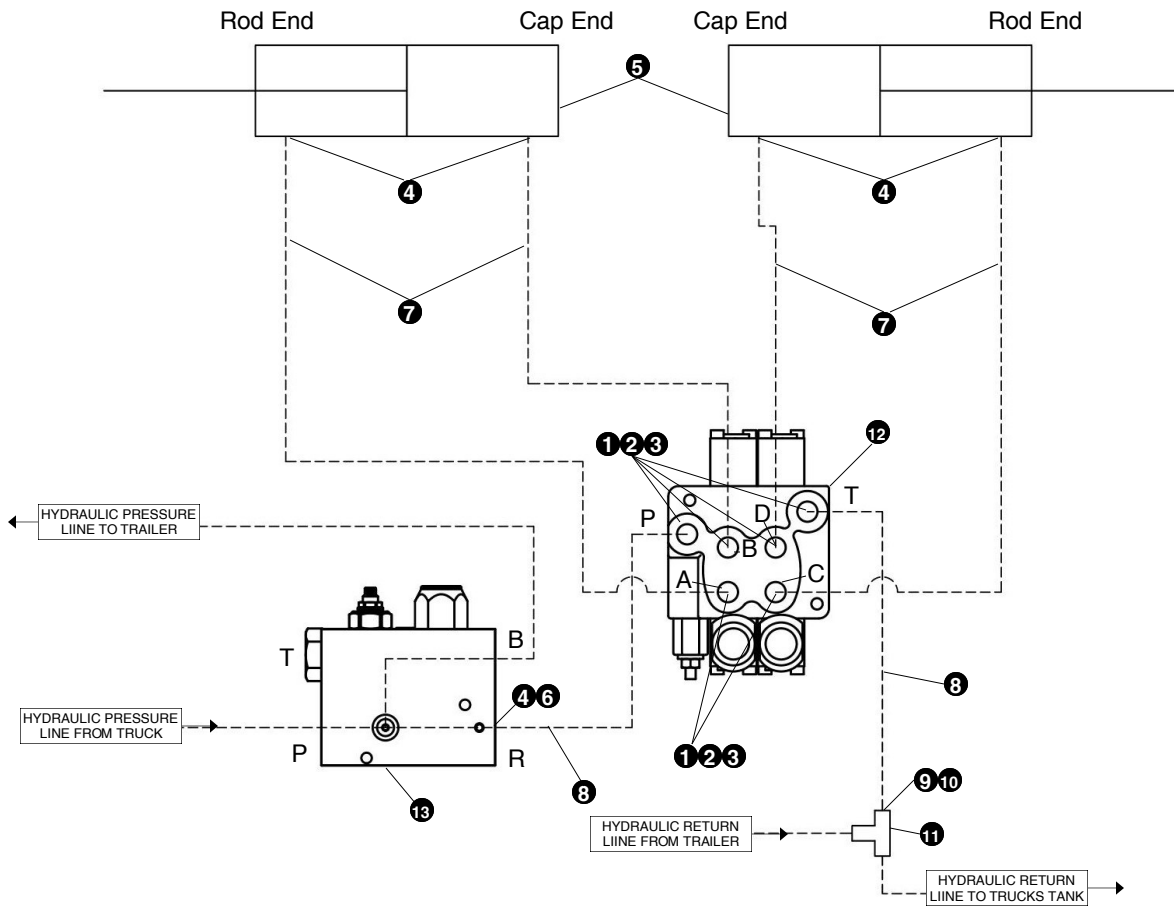


HINGE COMPONENTS

Item	Part#	Description
1.	1801601	Center/Rear Hinge Assembly Low Profile
2.	1801602	Center/Rear Hinge - Low Profile
3.	1801603	Hinge Lid - Low Profile
4.	1800860	Flanged Bushing - 1-1/4" ID
5.	1800797	Washer Lock - 1/2"
6.	1800996	Washer Flat - 1/2" USS
7.	1800607	Bolt Hex Head - 1/2" x 1-1/4"
8.	1801599	Front Hinge Assembly - Low Profile
9.	1801600	Front Hinge - Low Profile
10.	1800606	Hinge Pin Assembly

WET KIT COMPONENTS

Item	Part#	Description
1.	1804966	Straight #6 ORB M x #4 JIC M
2.	1808567	Elbow 90° - #4 JIC F Swivel x #4 JIC M
3.	1800218	Field Fitting 1/4" Hose x #4 JIC F
4.	1800112	Elbow 90° - 1/4" NPT M x #4 JIC M
5.	1800205	Hydraulic Cylinder - 15-1/2" Stroke
6.	1809922	Reducer - 1/4" NPT F x #10 ORB M
7.	1809979	Hose - 1/4" x 12' - #4 JIC F x Open
8.	1809978	Hose - 1/4" x 6' - #4 JIC F x Open
9.	1809975	Reducer - 1" NPT M x 1/2" NPT F
10.	1809976	Elbow 90° 1/2" NPT M x #4 JIC M
11.	1809914	Pipe T - 1" NPT M x 1" NPT F
12.	1801706	Control Valve - 2 Spool
13.	1800265	Flow Diverter 1.5 GPM



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