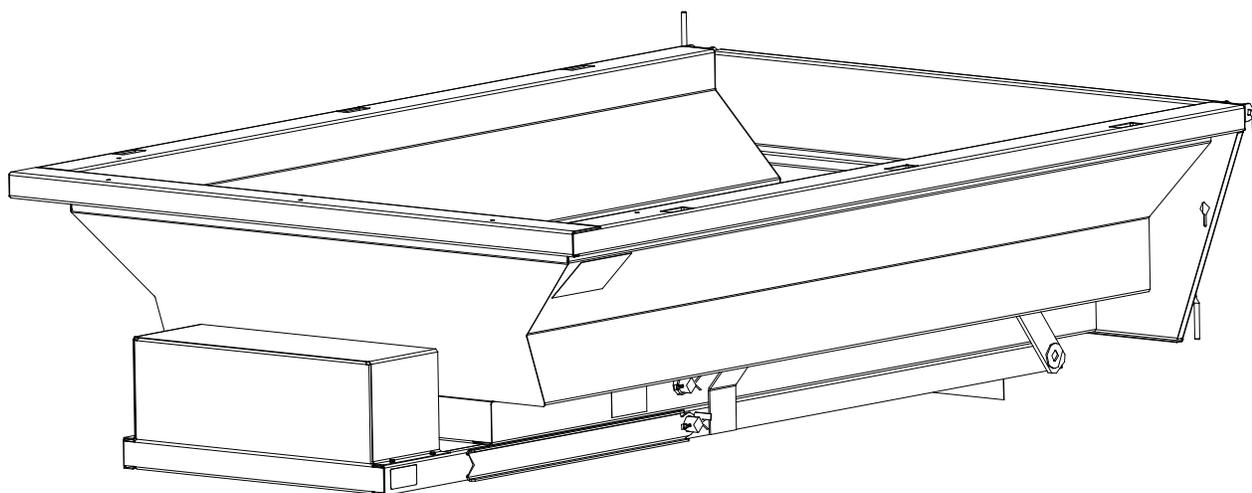


INSERT DUMP BED



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INSERT DUMP BED INSTALLATION AND OPERATING INSTRUCTION MANUAL

SAFETY PRECAUTIONS

The best safety device is a careful operator!



This symbol means **ATTENTION!**

Become Alert!

Your safety is involved!

Please read and understand completely before doing!

BEFORE PERFORMING MAINTENANCE OPERATIONS, PARK VEHICLE ON LEVEL GROUND. SET PARKING BRAKE, SHUT OFF ALL POWER, AND MAKE SURE ALL MOVEMENT HAS STOPPED. IF BODY IS RAISED, IT MUST BE SECURELY BLOCKED SO IT CANNOT COME DOWN. SUPPORT BLOCKS MUST NOT BE REMOVED UNTIL THERE IS NO DANGER OF ANYONE BEING UNDER BED WHEN BED IS LOWERED.



Improper use of this equipment can result in serious injury. To reduce this possibility, give complete and undivided attention to the job at hand, and follow these safety precautions.

PREPERATION:

Know your controls. Read this instruction manual. Learn how to stop the equipment quickly in an emergency.

Do not allow children to operate machine; nor adults to operate it without proper instructions.

Keep all individuals not involved in the use of the equipment a safe distance away.

A copy of this manual should be available in the cab at all times. A copy may be obtained from your local dealer or download from www.swensonspreader.com.

OPERATION:

Do not exceed rated capacities of chassis or hoist.

Observe and shut off all equipment controls before starting engine so equipment will not unintentionally operate when engine is started.

Always check area around machine before engaging or operating controls.

Vehicle should be on a flat surface prior to raising bed. Operation on slippery uneven terrain may result in equipment damage or personal injury.

Know the material you are hauling and plan your haul to avoid "set up" or freezing of the load in the dump bed. In the event that a load becomes stuck or frozen in the bed, do not abuse, overload, or damage the truck, hoist, or bed in efforts to quickly free the load. It may be necessary to thaw indoors to safely remove such a load.

In the event that shoveling or mechanical means are used to free the stuck load, be sure the load is NOT hoisted and the tailgate, if opened, is secured properly before starting this effort. If hoisted, a stuck load, or portion, could release unexpectedly and cause injury to personnel or damage to the body, truck, or surroundings.

Some materials such as mud, or sludge, may shift easily when wet, resulting in increased tendency to overturn the truck on curves, unstable ground, or side slope situations. Reduce load size, speeds, and side slopes, and use care and planning to avoid this potential occurrence.

Unload the bed and securely prop and block a raised bed before any service, inspection, or repair work is started.

Be sure the electric cable is disconnected before traveling. Failure to disconnect the electrical cable when bed is in transit may allow the dump bed to rise unintentionally. This may lead to loss of vehicle control, accidental injury and/or property damage.

Use of lift points are recommended to safely lift body assembly. Never lift or handle loaded bed, empty material prior to handling the bed.

Always wear relatively tight and belted clothing when operating equipment. Loose jackets, shirts sleeves or other loose clothing should not be worn because of the danger of catching them in moving parts or controls.

Stop and inspect equipment if unusual movement, sounds, or noises are observed. Repair damage before restarting and operating the equipment.

Disengage power to all operating equipment: (1) before leaving operator's position, (2) before making any repairs or adjustments, or (3) when not in use.

Take all possible precautions when leaving the equipment unattended; such as disengaging the hydraulic system, shifting vehicle out of gear, setting parking brake, shutting off engine and removing key. Never leave raised bed unattended.

SAFETY DECALS

NOTICE:

1. It is the responsibility of the Owner of the Dump Bed to replace any or all safety decals which become unreadable or otherwise defaced.
2. Read and observe all “Danger” and “Caution” safety decals appearing on equipment.

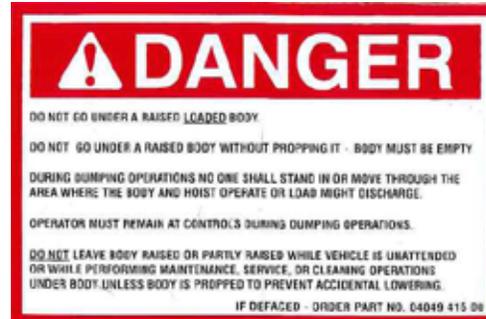
The following safety decals appear in various locations on your Dump Bed, refer to page 6 for approximate locations.

The sizes of the decals shown in this manual have been reduced in order to save paper space. Each decal has dimensions listed for actual sizes.



This decal alerts all to the danger of being under a raised Dump Bed where serious personal injury could result if the bed were to come down.

This decal also alerts the operator to precautions necessary to eliminate other dangerous situations associated with a raised bed.

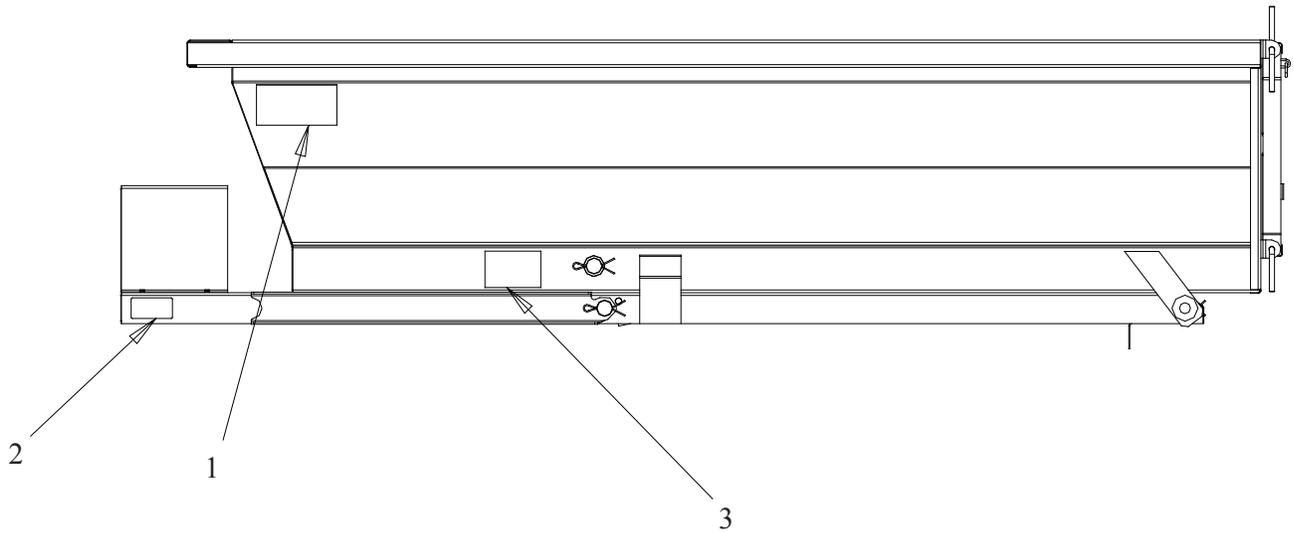


This decal alerts all to the danger of being under a raised Dump Bed where serious personal injury could result if the body were to come down.

This decal also alerts the operator to precautions necessary to eliminate other dangerous situations associated with a raised bed.

INSERT DUMP BED INSTALLATION AND OPERATING INSTRUCTION MANUAL

INSERT DUMP BED SAFETY DECAL LOCATION



Item	Part Number	QTY	Description
1	04049-414-00	2	Decal, Large, Danger
2	04049-165-00	1	Decal, Serial No.
3	04049-415-00	2	Decal, Small, Danger

MOUNTING AND OPERATING INSTRUCTIONS

 **CAUTION!**

MAKE SURE TRUCK IS ON LEVEL GROUND AND BRAKES ARE SET.

 **WARNING!**

BEFORE RAISING DUMP BED MAKE SURE AREA AROUND TRUCK IS CLEAR OF PEOPLE

DUMP BED MOUNTING

1. Make sure the truck being used is on level ground.

2. Remove tailgate from truck.

3. Position dump bed into truck bed with rear channel of sub frame flush against rear of truck bed.

4. Ensure dump bed is centered between sides of truck bed.

5. Determine best position to drill holes in rear channel and truck bed to attach.

10. When everyone is clear of the truck, raise the dump bed high enough to engage the safety prop. Lower the dump bed so that the prop properly engages the prop pocket and is supporting the full weight of the dump bed. Remove power.

 **WARNING!**

DO NOT WORK UNDER THE DUMP BED WITHOUT HAVING THE SAFETY PROP POSITIONED PROPERLY IN THE PROP POCKET

11. Drill a 13/32 inch hole in the front support channel. See PHOTO #2 on next page.

 **CAUTION!**

CHECK FOR CLEARANCES OF WIRING OR OTHER OBSTACLES BEFORE DRILLING ANY HOLES.

6. Drill two (2) 13/32 inch hole to accommodate the 3/8 inch bolts. See PHOTO #1 next page.

7. Attach dump bed to truck bed using the supplied 3/8 inch bolts, nuts and washers.

8. Attach negative side of jumper cable to the dump bed and the positive side to solenoid on pump. The truck frame can be used as a temporary ground.

9. Cut and remove the shipping straps at the front of the dump bed and hook loose end of power cable to positive terminal of truck battery.

 **CAUTION!**

CHECK FOR CLEARANCES OF WIRING OR OTHER OBSTACLES BEFORE DRILLING ANY HOLES.

12. Attach the front support channel to the truck bed using the 3/8 inch bolt, nut and washer.

13. For added support place the 4 inch plate between the under side of the truck bed and the nut.

NOTE: Since trucks models vary, if the bolts provided are not of correct length, GRADE 5 bolts can be purchased from most local hardware and farm supply stores.

INSERT DUMP BED INSTALLATION AND OPERATING INSTRUCTION MANUAL
MOUNTING AND OPERATING INSTRUCTIONS CONT'D

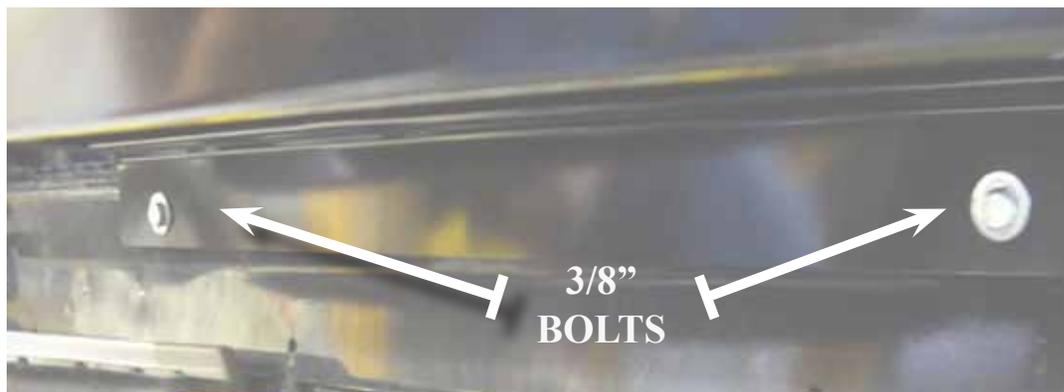


PHOTO #1

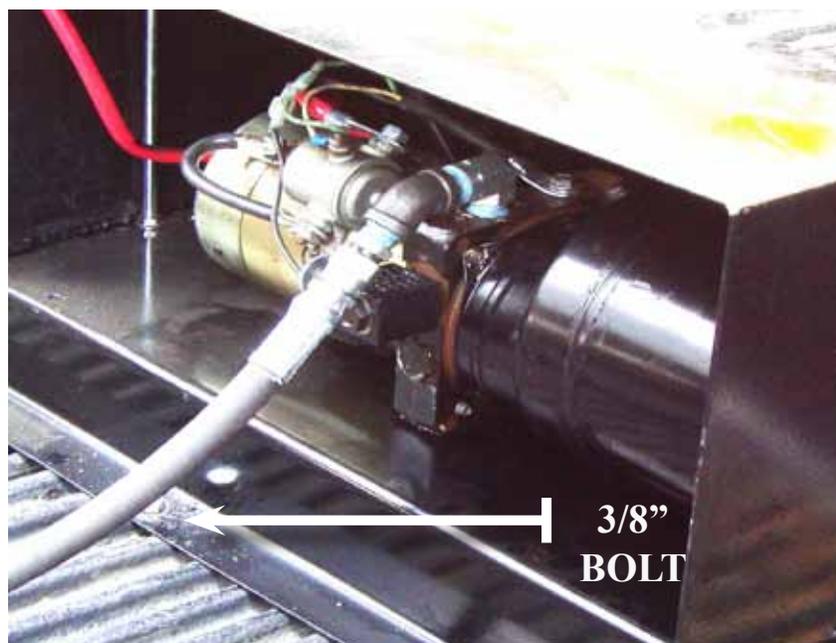


PHOTO #2

ELECTRIC PUMP WIRING INSTALLATION INSTRUCTIONS



WARNING!

USE SAFETY GLASSES OR OTHER SUITABLE FACE PROTECTION AGAINST POSSIBLE BATTERY EXPLOSION . DO NOT SMOKE AND AVOID OTHER SOURCES OF IGNITION

NOTE: Use dielectric grease on all electrical connections. Keep all wires away from sharp, hot or moving parts.

1. Find a suitable mounting location for the circuit breaker/ relay panel inside the engine compartment in an area that is dry and protected from road splash. Mount panel with self-tapping screws.
2. Cut red battery cable to length from battery to circuit breaker and attach copper eyelets. Attach the battery cable to the circuit breaker terminal marked BAT. (DO NOT ATTACH TO BATTERY AT THIS TIME)
3. Attach copper eyelets to remaining RED battery cable and route harness from the circuit breaker along truck frame, up into truck bed to electric pump solenoid. Attach to power side of solenoid.
4. Attach copper eyelets to BLACK cable of the truck side wiring harness, then attach to the GRD bolt on pump frame. Route BLACK cable from pump through frame to battery. Excess cable must be coiled and secured. (DO NOT ATTACH TO BATTERY AT THIS TIME.)



CAUTION!

MAKE SURE TO ROUTE BATTERY CABLE CLEAR OF PINCH POINTS, SHARP EDGES AND HEAT SOURCES.



WARNING!

BEFORE CONNECTING BATTERY CABLES, ENSURE AREA IS CLEAR OF PERSONS AND EQUIPMENT

5. Connect RED (longer) cable to the circuit breaker/relay panel.
6. Connect BLACK spreader side wiring harness to the battery. Excess cable must be coiled up and secured.
7. Connect Red (shorter) cable to battery. The hydraulic pump is a one directional design.
8. Dump is now ready for test.

DUMP BED MAINTENANCE

MAINTENANCE SCHEDULE

1. Check hydraulic fluid. If additional fluid is required, add Dextron ATF oil. The fluid should not need to be changed unless it becomes contaminated from an outside source.

To check the fluid level, use the following steps.

- a. Remove breather cap.
- b. Insert small ruler until it touches bottom of reservoir.
- c. Depth of fluid should measure approximately 5 inches. on ruler.
- d. Add in small amounts if additional fluid is required.

DO NOT OVER FILL.

2. Lubricate the following grease fitting locations every 3 to 6 months, depending on use.

SEE 12 POINT GREASE FITTING LOCATOR CHART ON FOLLOWING PAGE AS GUIDE TO LUBRICATION POINTS.

NOTE:

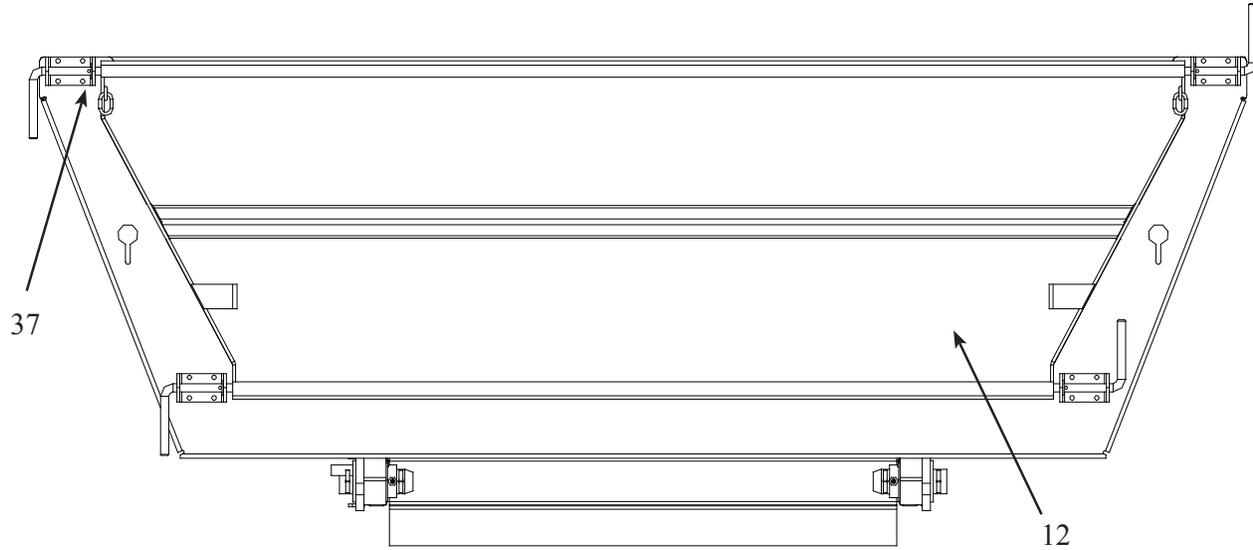
SINGLE CYLINDER UNITS REQUIRE SAME MAINTENANCE SCHEDULE.

INSERT DUMP BED INSTALLATION AND OPERATING INSTRUCTION MANUAL
MAINTENANCE GREASE POINT LOCATION GUIDE

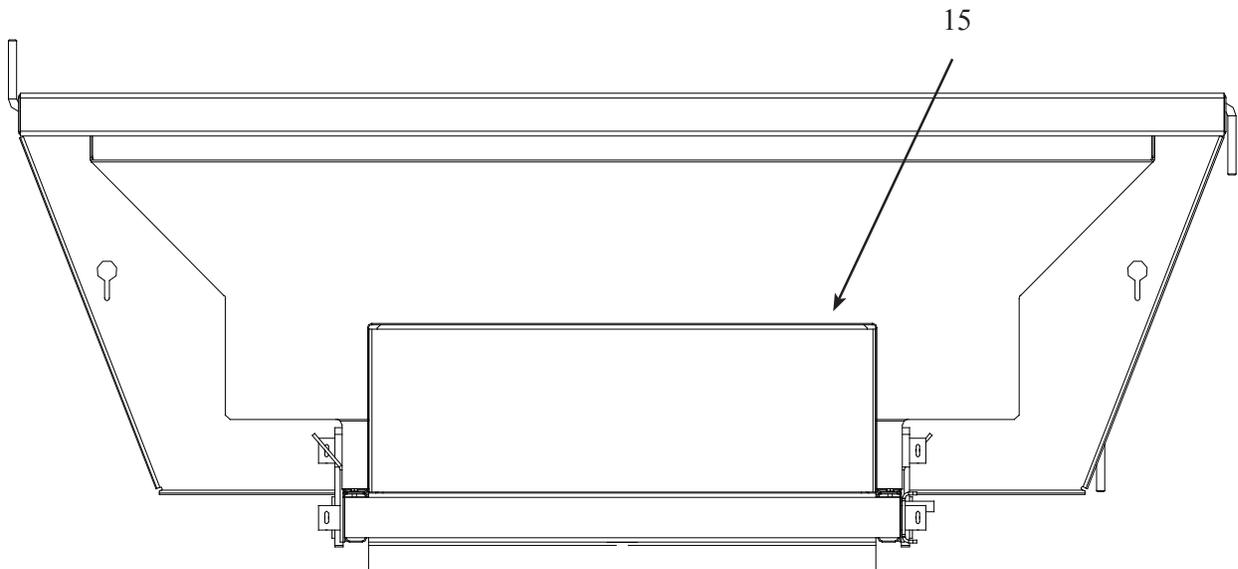


PARTS LISTING
AND
PRODUCT VIEWS

REAR VIEW



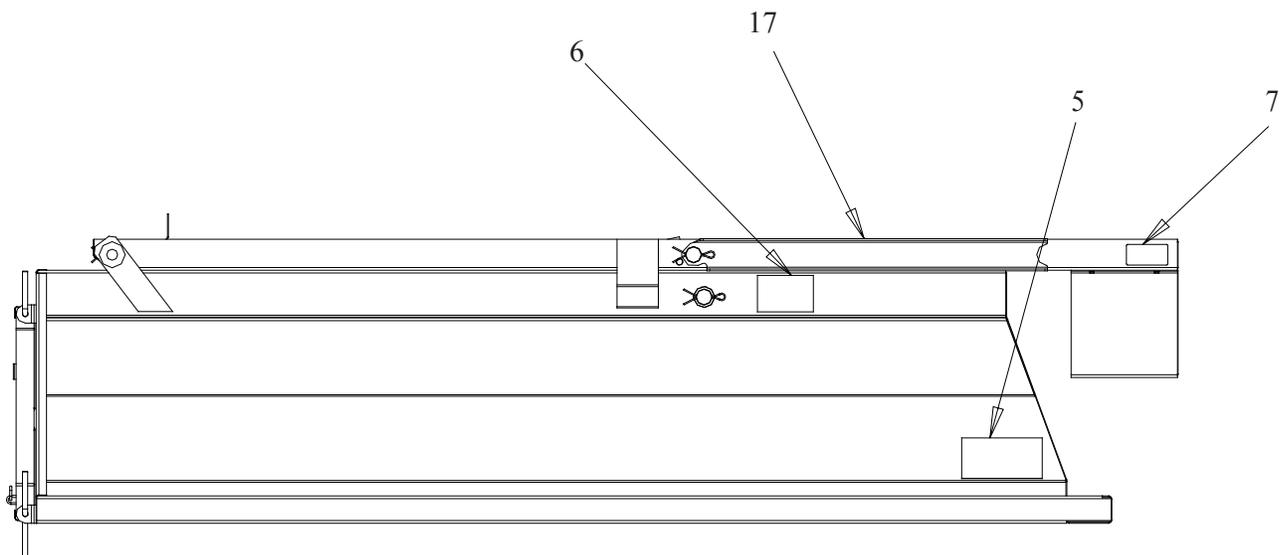
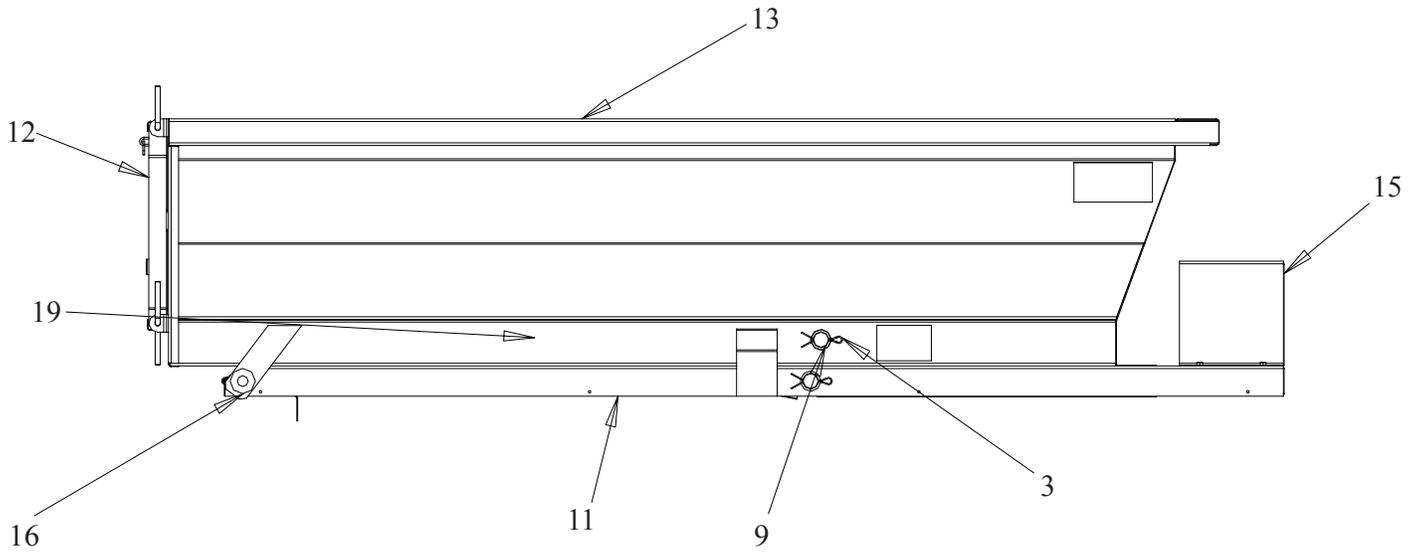
FRONT VIEW



PARTS LIST

ITEM	PART NUMBER	QTY	DESCRIPTION
12 CS	00121-470-03	1	WELD, TAILGATE CS
SS	00121-470-06	1	WELD, TAILGATE, S3
CS	00121-470-07	1	WELD, TAILGATE, 14g
15 CS	00122-513-00	1	WELD, COVER PUMP
37	04014-203-00	4	LATCH, SPRING

SIDE VIEW

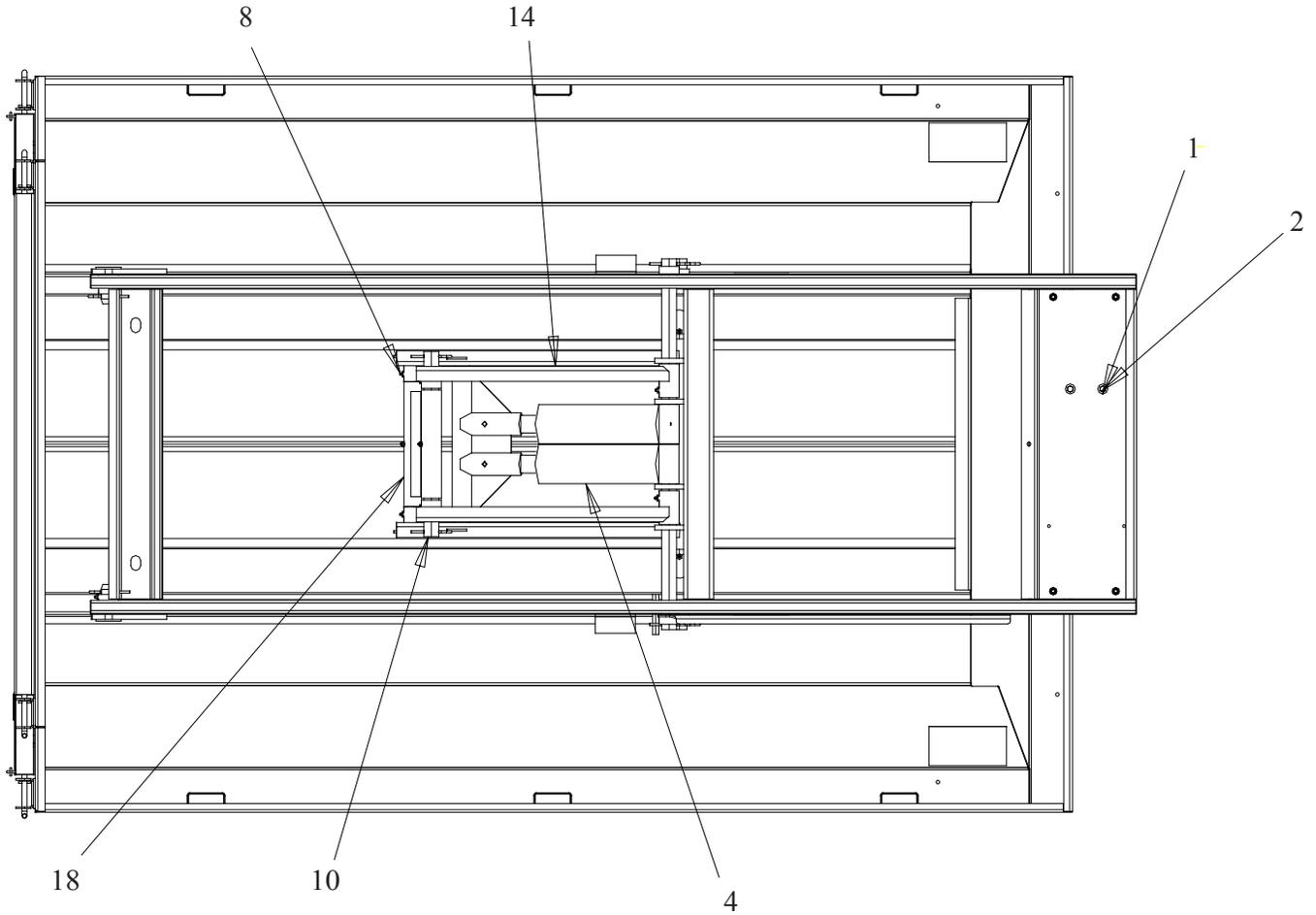


PARTS LIST

ITEM	PART NUMBER	QTY	DESCRIPTION
3	04010-006-02	10	COTTER PIN 1/4" X 3"
5	04049-414-00	2	DECAL, LARGE DANGER
6	04049-415-00	2	DECAL, SMALL DANGER
7	04049-165-00	1	DECAL, SERIAL NUMBER
9	00122-379-00	2	SHAFT, PIVOT
12	CS 00121-470-03	1	WELD, TAILGATE CS
	SS 00121-470-06	1	WELD, TAILGATE, S3
13	CS 00122-378-00	1	WELD, BODY
	SS 00122-378-01	1	WELD, BODY
	CS 00122-378-02	1	WELD, BODY 14g
	SS 00122-378-03	1	WELD, BODY14g
15	CS 00122-513-00	1	WELD, COVER PUMP
16	00113-722-05	2	WELD, HINGE PIN SHORT
17	00122-580-00	1	WELD, PROP ROD
19	00122-463-01	1	WELD, UPPER HOIST

BOTTOM VIEW

DUAL CYLINDER 8.0 FT

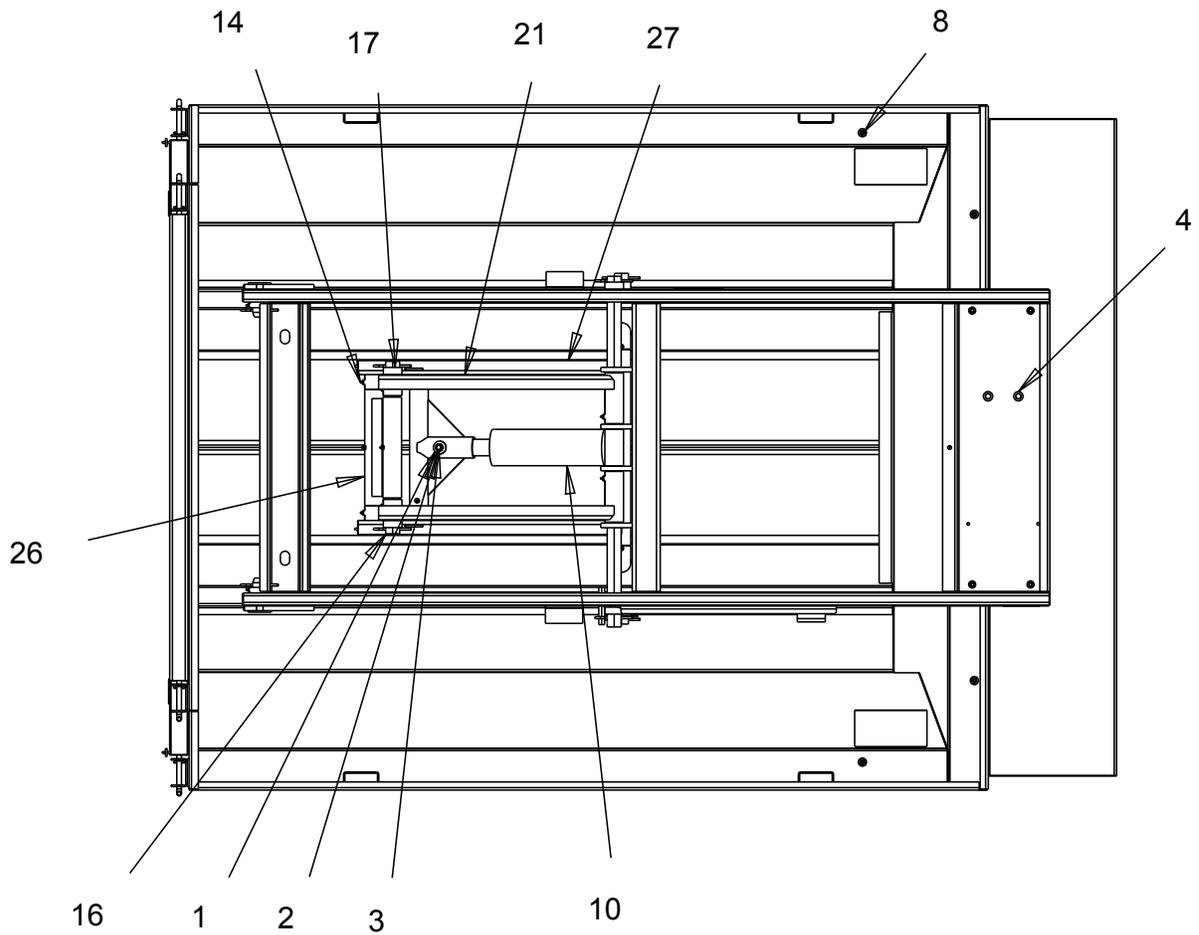


PARTS LIST

ITEM	PART NUMBER	QTY	DESCRIPTION
1	04004-002-08	2	3/8" FLAT WASHER ZP
2	4003-003-03	6	3/8" - 16 X 1" HH BOLT ZP
4	04107-526-00	2	CYLINDER, HYDRAULIC ON 8 FT.
	04107-526-00	1	CYLINDER, HYDRAULIC ON 6.5 FT.
8	04015-005-00	12	GREASE FITTING
10	00122-379-03	2	SHAFT, PIVOT
14	00122-461-01	2	WELD, CHANNEL, LOWER HOIST
18	00122-388-00	1	WELD, PIVOT ASSEMBLY

BOTTOM VIEW

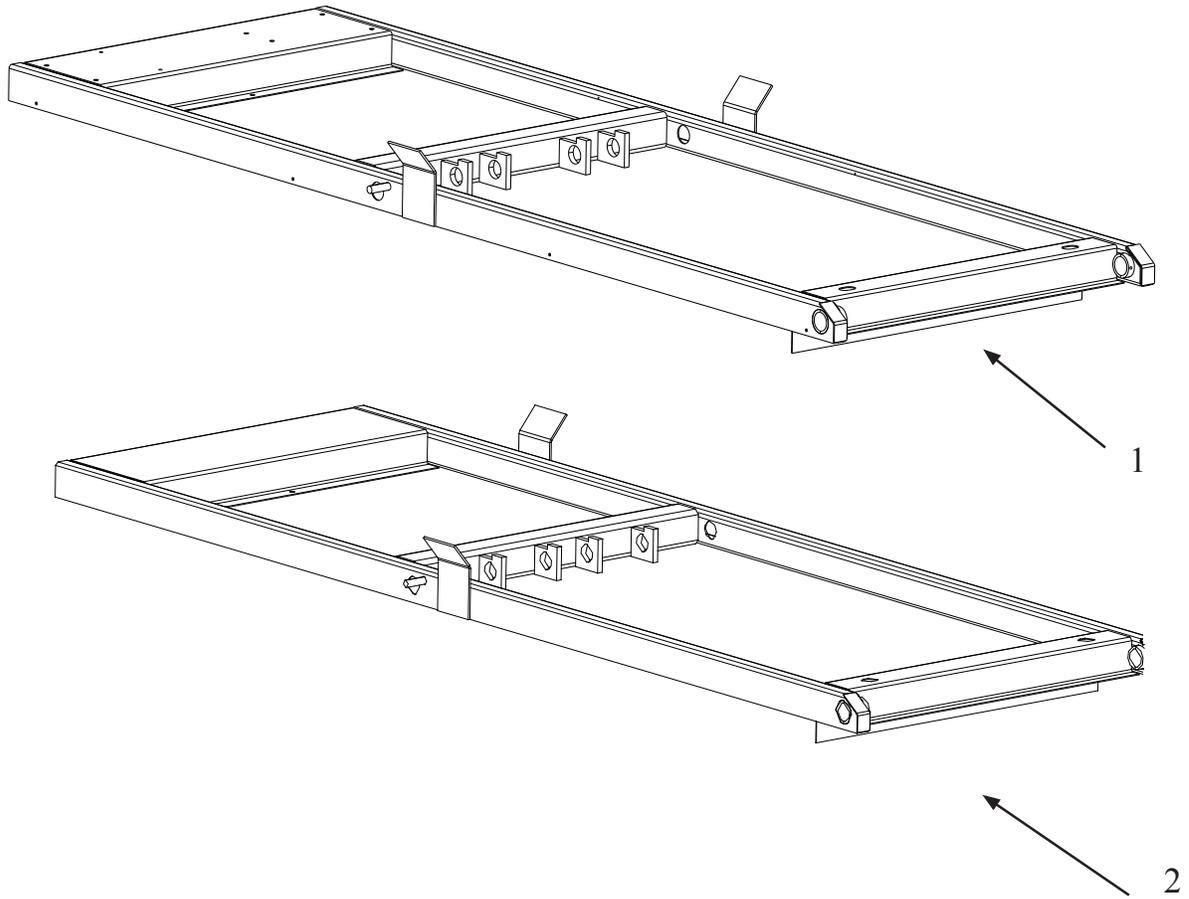
SINGLE CYLINDER 6.5 FT



PARTS LIST

ITEM	PART NUMBER	QTY	DESCRIPTION
1	04004-002-10	2	1/2" FLAT WASHER ZP
2	04003-807-11	1	1/2"-13 CEN LOCKNUT ZP
3	04003-005-44	1	1/2"-13X3" HH BOLT ZP
4	004004-002-08	2	3/8" FLATWASHER ZP
8	04003-804-12	5	5/16" - 18 NYLON LOCKNUT ZP
10	04107-526-00	1	CYLINDER HYD
14	04015-005--00	13	GREASE FITTING
16	00122-379-03	2	SHAFT, PIVOT
20	00122-461-00	2	WELD CHANNEL LOWER HOIST
25	00122-388-00	1	WELD, PIVOT ASSEMBLY
26	00122-463-00	1	WELD, UPPER HOIST

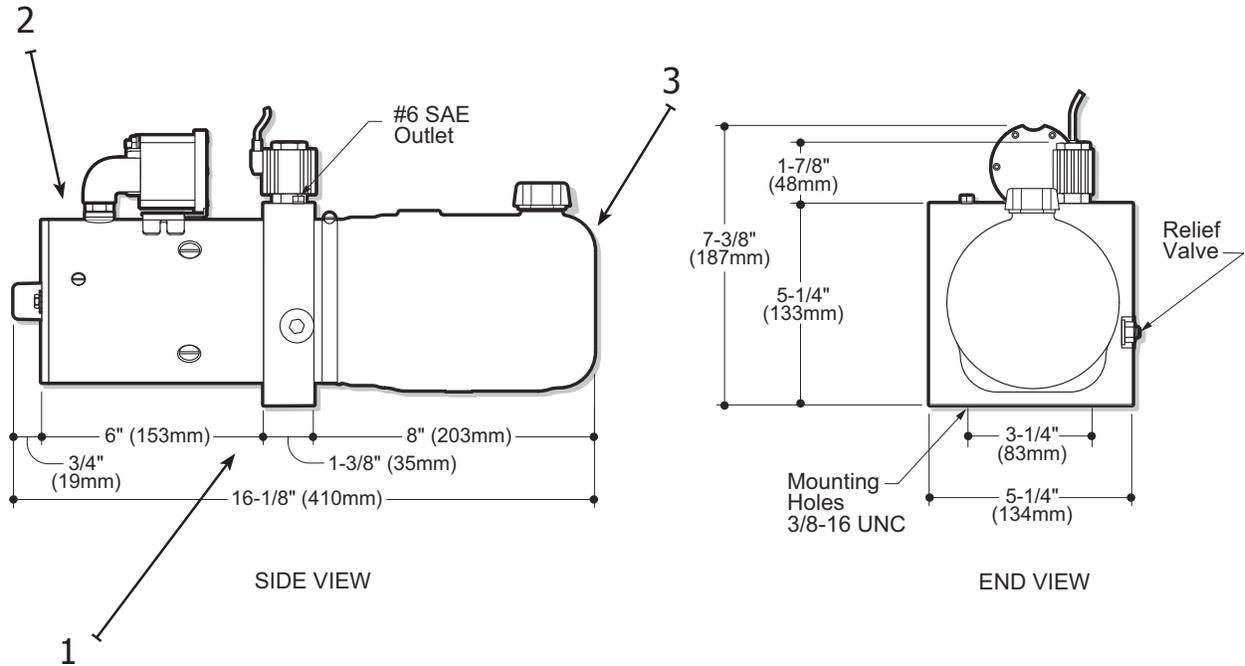
SUB-FRAME



ITEM	PART NUMBER	QTY	DESCRIPTION
1	00122-386-01	1	WELD, SUB-FRAME TWIN CYLINDER
2	00122-386-02	1	WELD, SUB-FRAME 6.5 FT.

HYDRAULIC PUMP 04102-151-00

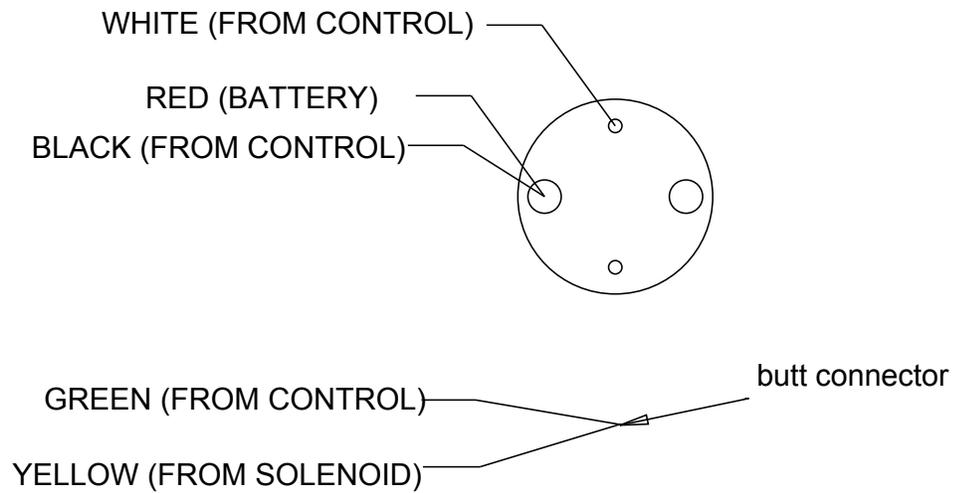
DIMENSIONS AND PARTS LISTING



ITEM	PART NUMBER	QTY	DESCRIPTION
1	04102-151-00	1	PUMP, HYDRAULIC/ELECTRIC W/ RESERVOIR
2	04102-151-01	1	PUMP ONLY, HYDRAULIC/ELECTRIC
3	04102-151-02	1	TANK ONLY, PUMP, HYDRAULIC/ELECTRIC

HYDRAULIC PUMP CONT'D

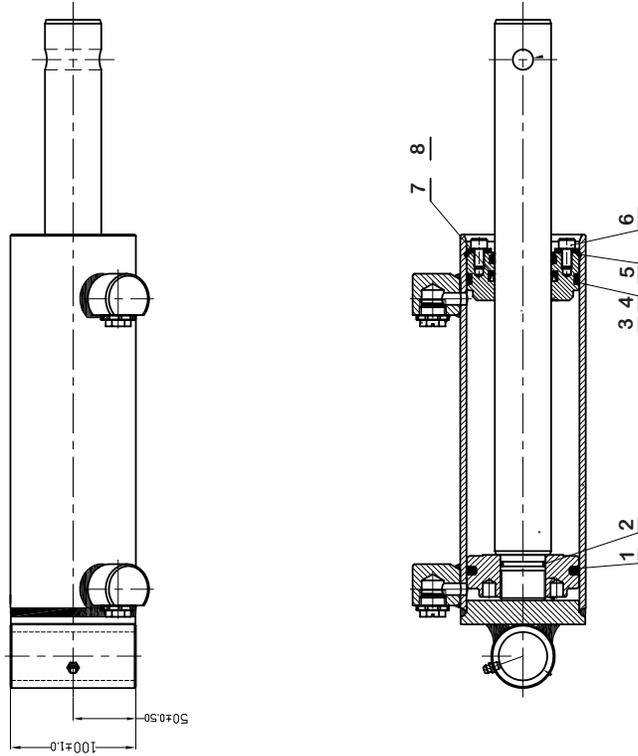
SOLENOID WIRING DIAGRAM



CONTROL WIRING

HYDRAULIC HOIST

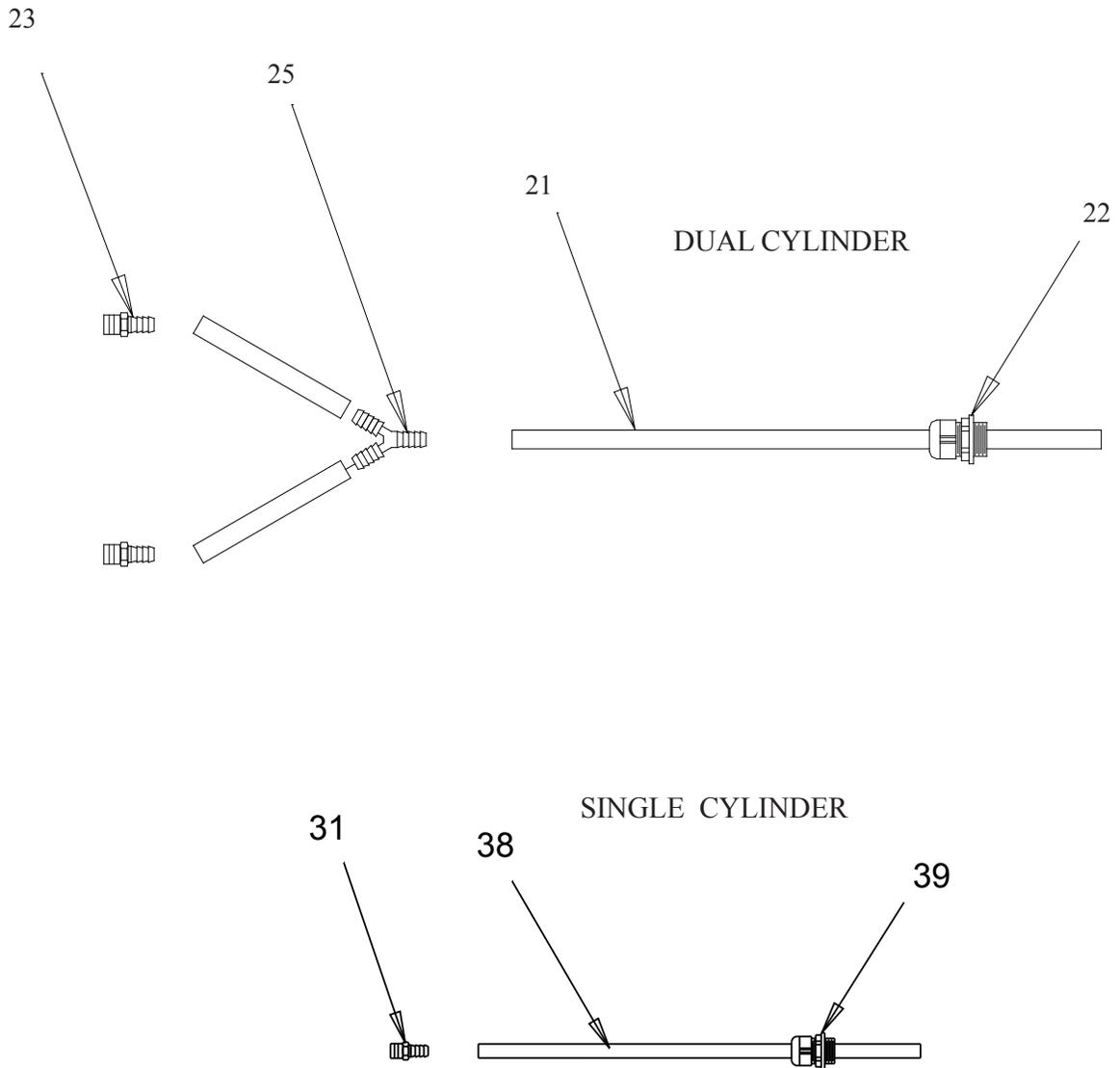
04107-526-00



04107-526-01 SEAL KIT		
ITEM	DESCRIPTION	QTY
1	ZURCRON WYNSEAL	1
2	O-RING	1
3	O-RING	1
4	BACK-UP RING	1
5	O-RING	2
6	FLAT WASHER STEEL	2
7	ZURCON U-CUP RU3	1
8	SCRAPER DA17	1

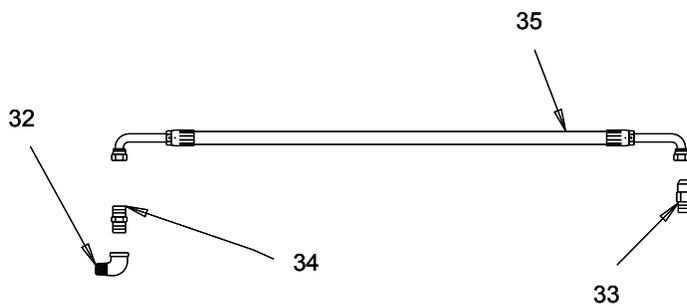
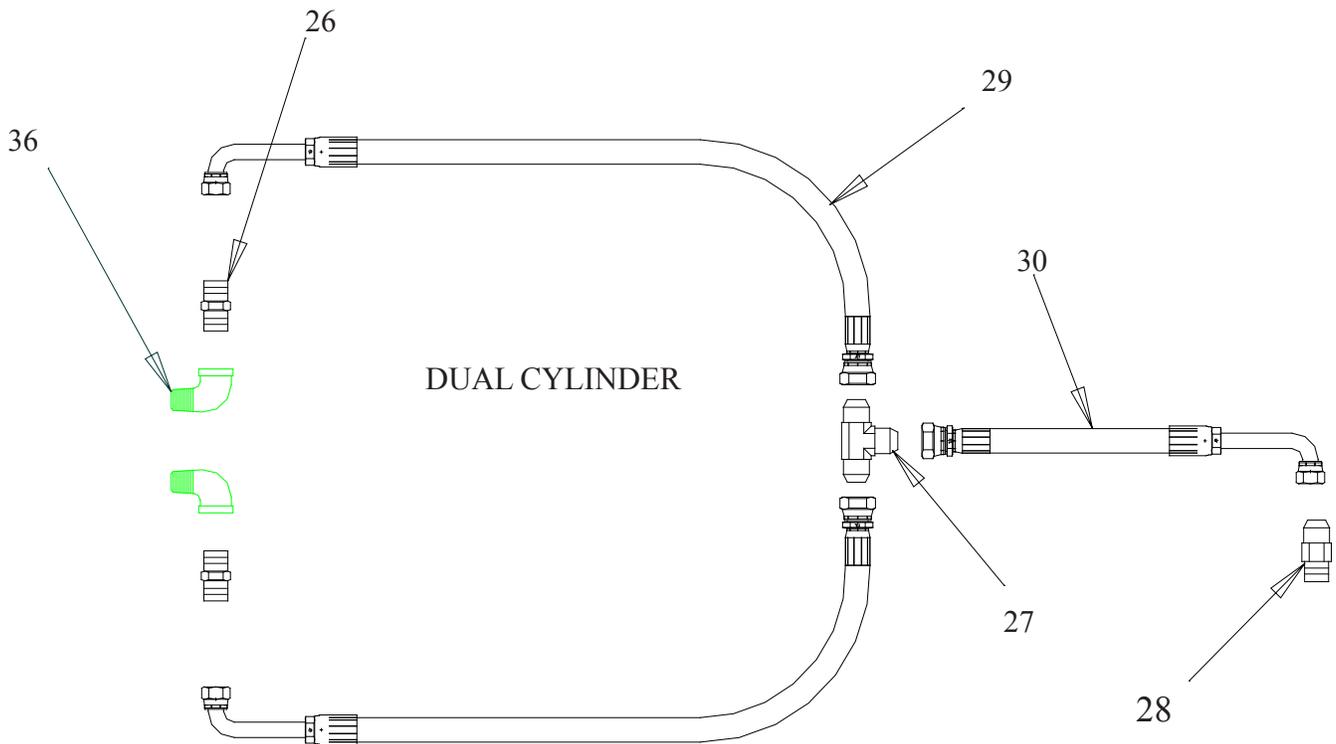
HYDRAULIC HOIST CONT'D

RETURN LINE LAYOUT



HYDRAULIC HOIST CONT'D

SUPPLY LINE LAYOUT



SINGLE CYLINDER

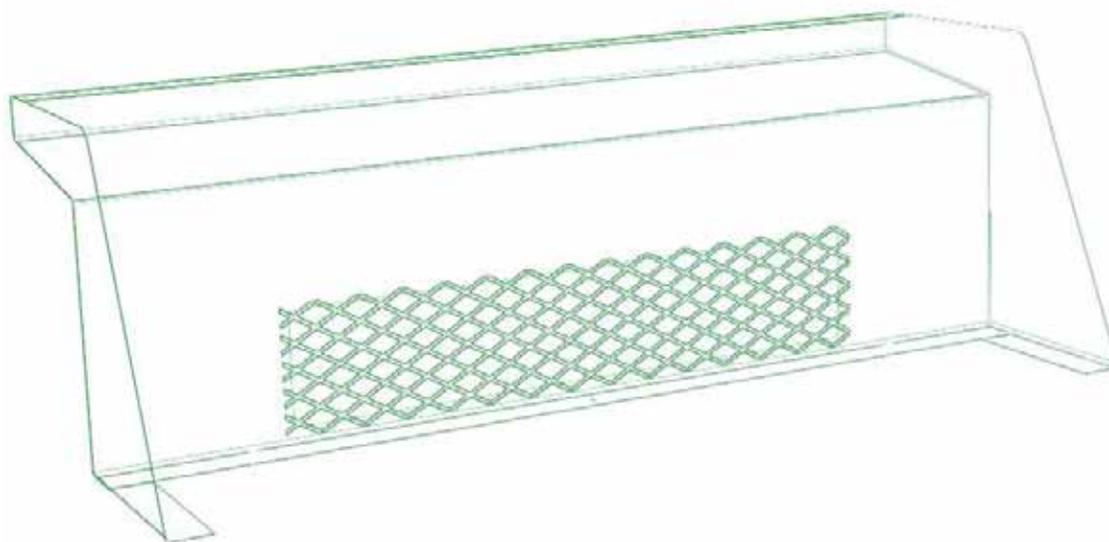
HYDRAULIC HOIST LINE PARTS LIST

ITEM	PART NUMBER	QTY	DESCRIPTION
21	04610-013-00	100 FT	TUBING, 3/8" ID CLEAR
22	04611-024-00	1	CORD, GRIP, 1/2"
23	04109-034-00	2	FITTING, 1/2MPT X 3/8 OD BARB
25	04110-034-12	1	Y 3/8" BARB
26	04110-054-00	2	ADAPTER, #6 JIC(M) X 1.2MPT (M)
27	04110-053-00	1	TEE #6 JIC(M)
28	04110-052-00	1	ADAPTER, #6 JIC(M) X #6 ORB
29	04120-155-00	2	HOSE, 3/8 #6 JIC(F) - #6 JIC(F) 90° 18"
30	04120-155-01	1	HOSE, 3/8 #6 JIC(F) - #6 JIC(F) 90° 38"
36	04121-024-03	2	ADAPTER, 1/2" NPT 90 DEG. STR.ELBOW
31	04109-034-00	1	FITTING 1/2MPT X 3/8" OD BARB
34	04110-054-00	1	ADAPTER, #6 JIC(M) X 1.2MPT (M)
32	04121-024-03	1	ADAPTER, 1/2" NPT 90 DEG. STR.ELBOW
33	04110-052-00	1	ADAPTER, #6 JIC(M) X #6 ORB
35	04120-155-02	1	HOSE, 3/8 #6 JIC(F) - #6 JIC(F) 90°
38	04610-013-00	1	TUBING, 3/8" ID CLR 7FEET
39	04611-024-00	1	CORD GRIP, 1/2"

CAB SHIELD

00112-304-32 CS

00112-304-33 S3





Dealers have the responsibility of calling to the attention of their customers the following warranty prior to acceptance of an order from that customer for any SWENSON® product.

WARRANTY

WHAT THIS WARRANTY COVERS

Swenson Spreader LLC (hereinafter "Swenson") is committed to assuring Customer satisfaction with the Spreader (hereinafter "Product"). Swenson warrants to the original owner (hereinafter "Purchaser") of the Product to be free from defects in material and workmanship for the following term: Swenson warrants ALL PARTS AND ASSEMBLIES to be free from defects in material and workmanship for a period of one year from the date of purchase. Installation of the Product must be in accordance with Swenson's instructions. This warranty extends to the Purchaser and may not be assigned without the prior written approval of Swenson; except a distributor may assign this warranty to the first titled owner of the Product.

If a Product has a defect in material or workmanship covered by the warranty, Swenson will (at our option) either replace or repair said part. Swenson's has sole discretion as to repair of defects covered by this warranty, or replacement of the Product. Swenson's responsibilities as described herein shall not exceed the amount of the purchase of the Product.

WHAT THIS WARRANTY DOES NOT COVER

Swenson's warranty does not extend to Product which have been misused, abused, improperly installed, repaired with non-genuine Swenson parts, improperly cared for, if materials such as lava rock or cinders are used, or for which payment has not been made. The warranty is void if repairs or alterations to the Product are made by unauthorized persons, or the Product serial numbers have been altered or defaced.

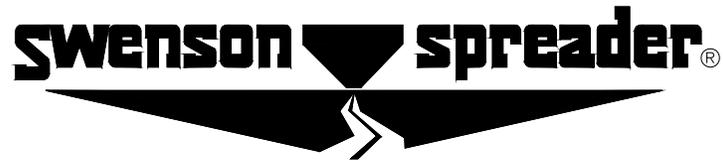
All gasoline engines and hydraulic pumps are warranted by their manufacturer and not by Swenson Spreader LLC. Electrical or hydraulic components are not to be disassembled without the express written permission of Swenson Spreader LLC.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SWENSON'S MAXIMUM OBLIGATION AND LIABILITY UNDER THIS WARRANTY SHALL BE LIMITED TO AN AMOUNT EQUAL TO THE PRESENT PURCHASE PRICE FOR THE SWENSON PRODUCT. SWENSON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER DIRECT OR INDIRECT, INCIDENTAL, CONSEQUENTIAL OR OTHERWISE ARISING OUT OF BREACH OF THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY. Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages.

Defective parts returned to Swenson Spreader LLC must be accompanied by the following information:

RG#	_____
Spreader Model	_____
Serial Number	_____
Date Installed	_____
Where Purchased	_____

Purchaser accepts these terms and warranty limitations unless product is returned within fifteen days for full refund of purchase price.



SWENSON SPREADER LLC
P.O. BOX 127
LINDENWOOD, ILLINOIS 61049-0127

PHONE: (815)393-4455
TOLL FREE: (888)825-7323
SALES & SERVICE FAX: (866)310-0300

email: swensonsales@swensonspreader.com
website: www.swensonspreader.com

**IMPORTANT
INFORMATION
ENCLOSED**