

SCHMEISER® VARITRAK LAND LEVELER

ASSEMBLY & PARTS MANUAL



16, 20, & 24 FT. WIDE

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INTRODUCTION

Your Schmeiser Varitrak Leveler is designed to give you many years of dependable service. This manual has been prepared to instruct you in the safe and efficient operation of this machine. Read and study it thoroughly. Follow all instructions carefully.

Should your Varitrak Leveler require replacement parts, go to your Schmeiser dealer. Always order genuine Schmeiser replacement parts.

It is important that you complete and send in your Warranty Card because it is not valid unless it is on file at Schmeiser. If you need information not contained in this manual, contact your Schmeiser dealer.

Space has been provided below for you to record the model number and serial number of your Varitrak Leveler. Be sure to bring this information with you to your dealer when ordering parts or attachments for your Varitrak Leveler.

Thank you for buying a Schmeiser Varitrak Leveler.

SERIAL NUMBER _____

MODEL NUMBER _____

DATE PURCHASED _____

DEALER NAME _____

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SAFETY

The safe operation of any machinery is an important concern to farmers and manufactures. There are obvious and hidden potential hazards involved in the operation of this implement. Carefully read and follow all safety precautions before operation. Serious injury or death may occur unless care is taken to insure the safety of both the operator and any other persons in the area.

1. This is a rear-mounted implement that removes weight from the front wheels of the tractor and can cause loss of steering with possible overturn. Add front-end weight until at least 20% of tractor original weight is on the front wheels when leveler is in transport position for steering and prevention of bodily injury. When on rough surfaces, transport slowly to prevent bouncing front wheels off surface with loss of steering and possible injury.
2. Be especially careful when transporting on slopes. Never turn uphill in transport except at slow speed and a low rate of turn. Never transport or operate this machine on steep slopes.
3. Never permit anyone to ride on or walk beside the implement when moving.
4. Never permit anyone to ride on tractor when implement is being moved.
5. Never allow anyone to be near the implement when performing operating functions with implement or tractor.
6. Do not enter tractor when tractor is moving. Avoid serious injury or death from contact with rotating tires. Enter and exit the tractor only when it is completely stopped.
8. When in transport, use accessory lights and devices for adequate warning to operators of other vehicles. Comply with all Federal, State and local laws when traveling on public roads.
9. Use "Slow Moving Vehicle" emblem for warning vehicles approaching from the rear.
10. When transporting, remember that the implement may be wider than your tractor and extreme care must be taken to allow for safe clearance.
11. Never allow inexperienced or untrained personnel to operate the implement or tractor without supervision.
12. When using compressed air to clean implement, wear safety glasses.
13. Check all fasteners for tightness or damage before and after operation. Repair immediately if required.
14. Store implement in a stable position.

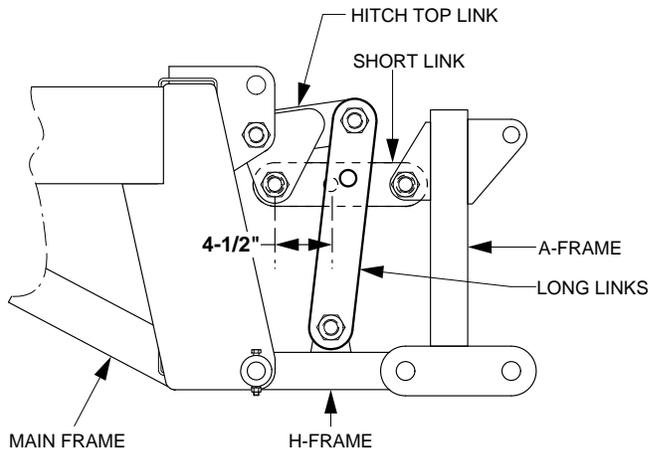


1. Select a smooth, level area approximately 40 feet wide and 40 feet long.
2. Position main frame on the ground and center it in the area with the open bucket facing the direction that the machine is to be pulled.
3. Position and attach rear slide tube (SVT-00B300) to the main frame with (4) 3/4" x 2-1/2" NC Cap Screws and (4) 5/8" x 2" NC Cap Screws with lock washers and hex nuts. See page 19.
4. Install Slide Plates assembly on slide tube. Refer to page 19 drawing for proper installation.
Note: Make sure slide plates and slide roller holes align before installing. Do not attempt to force pins through slide rollers.
5. Attach rod end of 3" x 36" Hydraulic Cylinder to the slide plate cylinder anchor using 1" cylinder pin and hair pin clips. Attach other end to the main frame cylinder anchor using 1" cylinder pin and hair pin clips.
6. Hoist and attach left wing and right wing with wing hinge pins, slotted nuts, and cotter pins. See page 22 for reference.
7. Install wing linkage assemblies. Refer to page 18 drawing for proper installation.
 - a. Install wing turnbuckle assemblies as follows:
 - Attach turnbuckle clevis end to wing anchor using 1" x 3-1/2" bolts and nylon lock hex nuts. Tighten enough to allow free movement.
 - Attach turnbuckle single plate end to wing linkage weldment with 1" x 3-1/2" bolts and nylon lock hex nuts. Tighten enough to allow free movement.
 - b. Attach rod end of 4" x 12" hydraulic cylinder to the wing linkage center plate (SVT-00F001). Attach other end to the main frame. Repeat for the other side.
 - c. To level wings, see Calibration Instructions on pages 9-10.
8. Hoist and attach primary brace LH and primary brace RH to the main frame using 1-1/4" x 11" pins with slotted nuts and cotter pins. Refer to page 23 for details.
9. Attach rear wheel frames with rubber tires to the main braces as shown on page 20.
10. If the optional steel wheels are ordered, attach wheel scraper arms RH and LH to rear wheel frames (forks). Attach scraper blades to scraper arms. See page 21 for details.

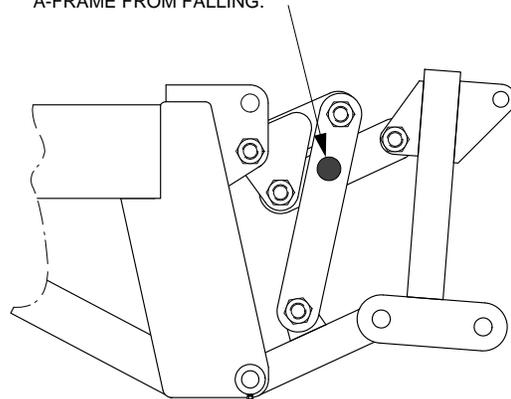


11. INSTALLATION PROCEDURE - SELF-LEVELING HITCH.

- a. Position hitch top link in the lower of the top main frame holes. Secure with 1-1/4" x 5-1/2" shoulder bolt and 1-1/4" nylon lock hex nut making sure not to damage self-lubricating bushings. Install short link according to the picture below.



INSTALL RED LOCK PIN PROVIDED PRIOR TO DISCONNECTING FROM TRACTOR TO PREVENT A-FRAME FROM FALLING.



- b. Position H-Frame with the bottom holes on main frame and attach with 1-1/2" x 8" pin, bushing, 3/8" x 3" bolt with lock washer and hex nut.
- c. Position A-Frame on H-Frame and fasten with two 1-1/2" x 6-1/4" pins and lock in position with 1/4" lynch pins.
- d. Position short link between top link and A-Frame and install each end (being careful not to damage self-lubrication bushings) with 1-1/4" x 3-3/4" and 1-1/4" x 4-1/2" shoulder bolts and nylon lock hex nuts.
- e. Position RH and LH long links between H-Frame and top link and secure each end with 1-1/4" x 4-1/2" shoulder bolt. Install 1-1/4" nylon lock hex nuts. Tighten enough to allow free movement.
- f. Attach self-leveling hitch to tractor's hitching points. Adjust tractor top link until hitch A-Frame is vertical.

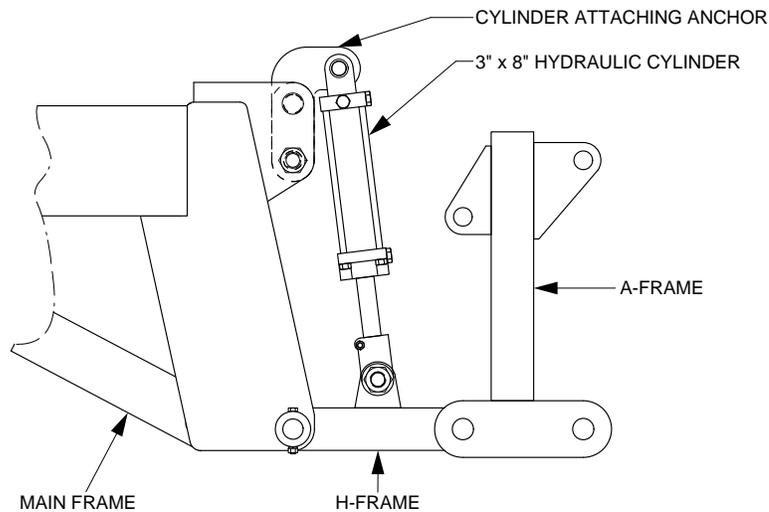
12. Connect the four hydraulic lines to tractor lines and check for leaks.

Go back over the entire leveler to check and securely tighten all nuts and bolts. Before starting operation, grease all grease fittings with good quality grease.



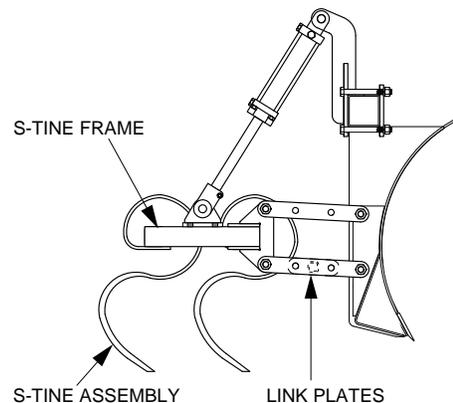
13. INSTALLATION PROCEDURE - LASER CONTROL KIT.

- a. Remove the top link, short link, and long link from the self-leveling hitch.
- b. Install the cylinder attaching anchor in the two upper holes of the main frame, use 1-1/4" x 5-1/2" NC bolts with lock washers and hex nuts.
- c. Connect the front hydraulic cylinder barrel end to the cylinder attaching anchor and the rod end on hydraulic cylinder to the hole on the H-Frame with the cylinder ports facing to the right. See page 13 for details.
- d. Attach the laser stand to the main frame. The slotted holes are for leveling the top of the laser stand.
- e. Check the complete hydraulic system for leaks under pressure and complete the assembly of laser control components. After testing, install all shields and covers.



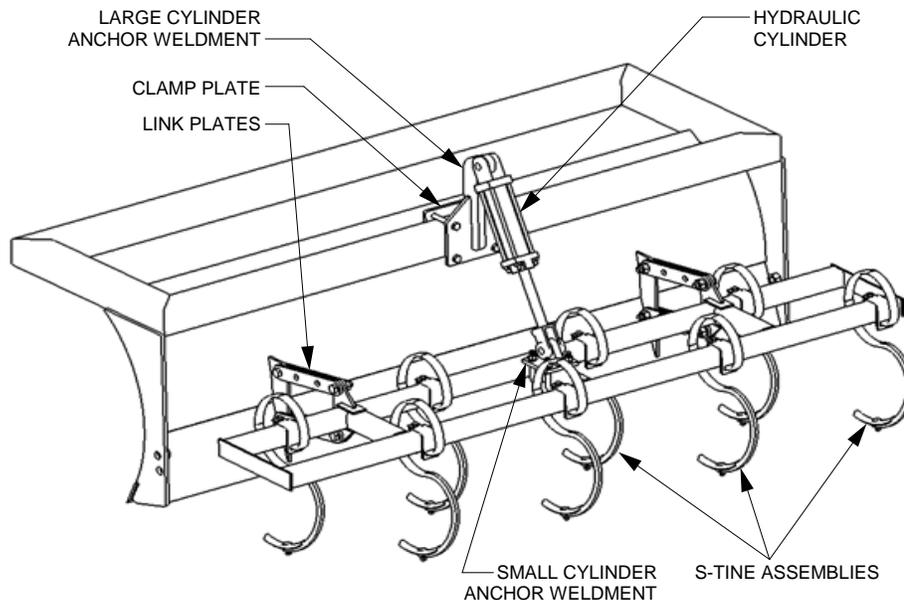
14. INSTALLATION PROCEDURE - OPTIONAL S-TINE ASSEMBLY.

- a. Attach S-Tine assembly frames to the rear attachment plates of the buckets using link plates with holes and 3/4" x 2" Gr. 5 bolts with nylon lock hex nuts. Install S-Tines on the frames according to S-Tine diagram on page _____. Refer to page ___ for S-Tine assembly details.

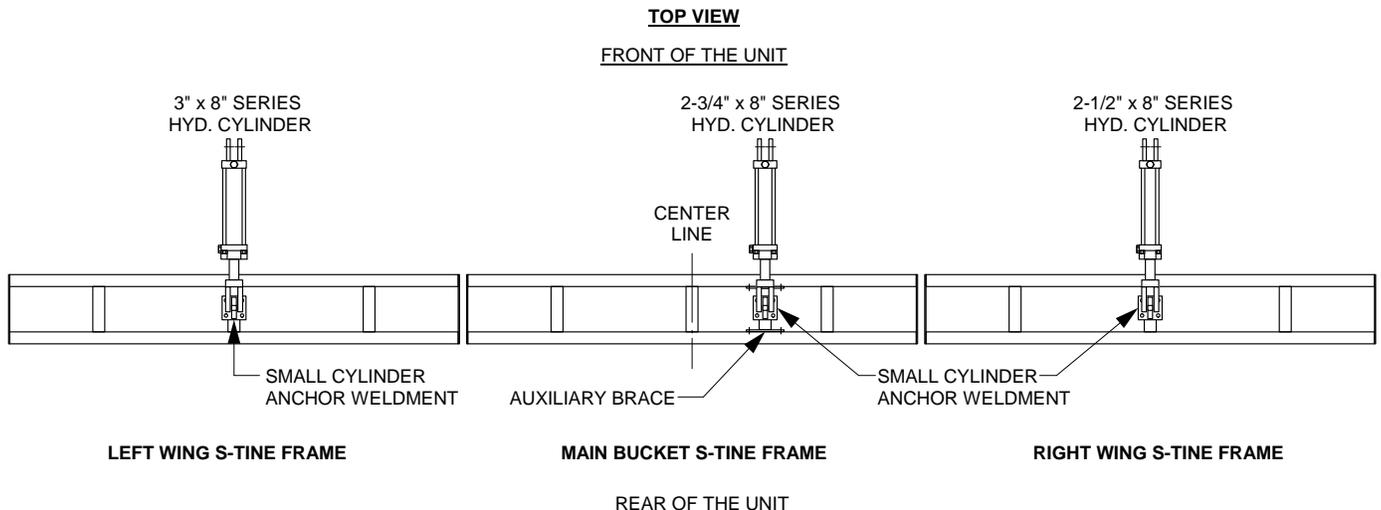




- b. Install large cylinder anchors on all three bucket frames using clamp plates and 5/8" x 6" Gr. 5 bolts with lock washers and hex nuts.
- c. Attach master-slave tie rod hydraulic cylinders. Connect barrel ends to the large cylinder anchor weldments, and rod ends to small cylinder anchor weldments (see diagram below).



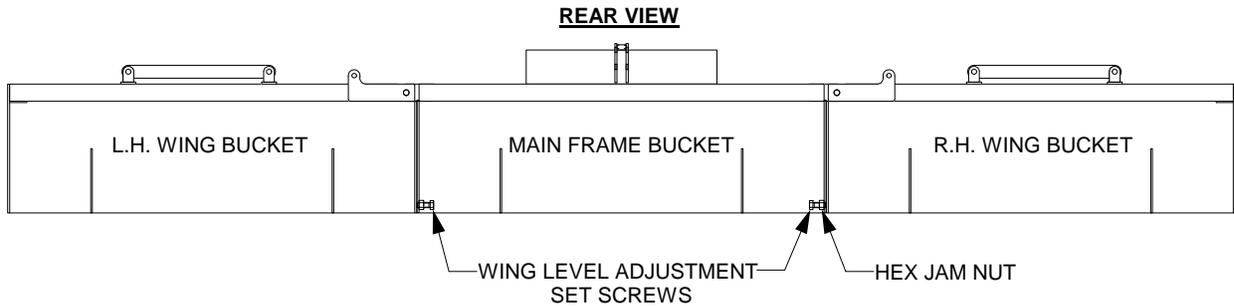
- d. Place small cylinder anchor weldments on the S-Tine frames as follows:
 - wing frames - right in the middle on the cross brace using 5/8" U-bolts with lock washers and hex nuts.
 - main bucket frame - offset from the center to the right side using auxiliary brace bolted to the S-Tine frame and 5/8" U-bolts with lock washers and hex nuts.
 See the drawing below.





- LEVEL WINGS

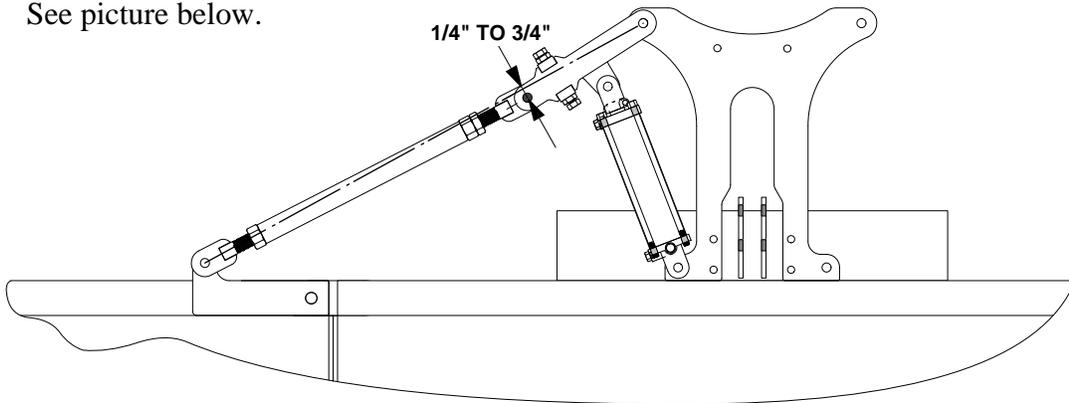
1. Ensure that the main frame is leveled using bubble level.
2. Back out wing adjustment set screws. Using a hoist or a forklift, and a bubble level, set wings to level.
3. Screw in adjustment set screws until it makes firm contact with wings. Lock in place with jam hex nuts.



- ADJUST WING TURNBUCKLES

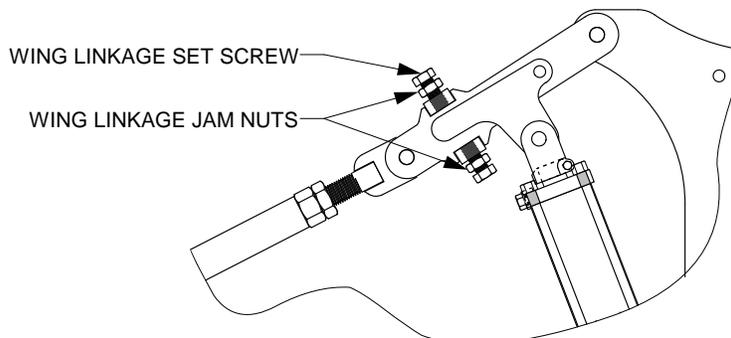
1. Back out wing turnbuckle jam nut.
2. Rotate wing turnbuckle until pivot point is 1/4" to 3/4" past centerline. Use string to determine distance.

See picture below.



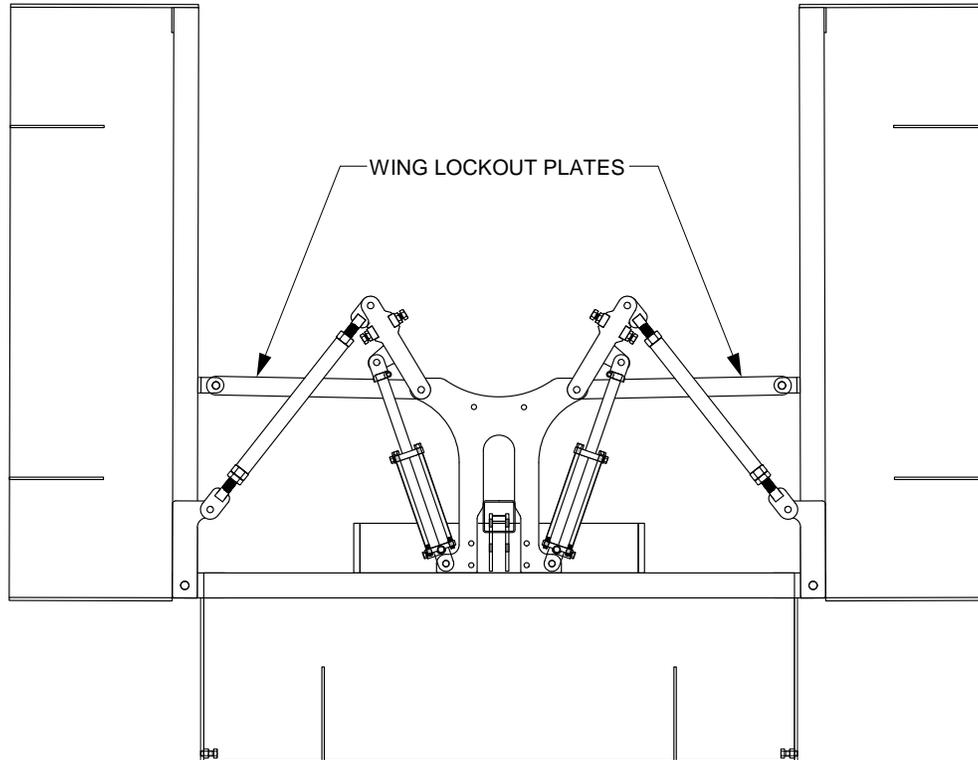
- CALIBRATE WING LINKAGE

1. Unlock wing linkage jam nuts and back out wing linkage set screws, but don't remove them.

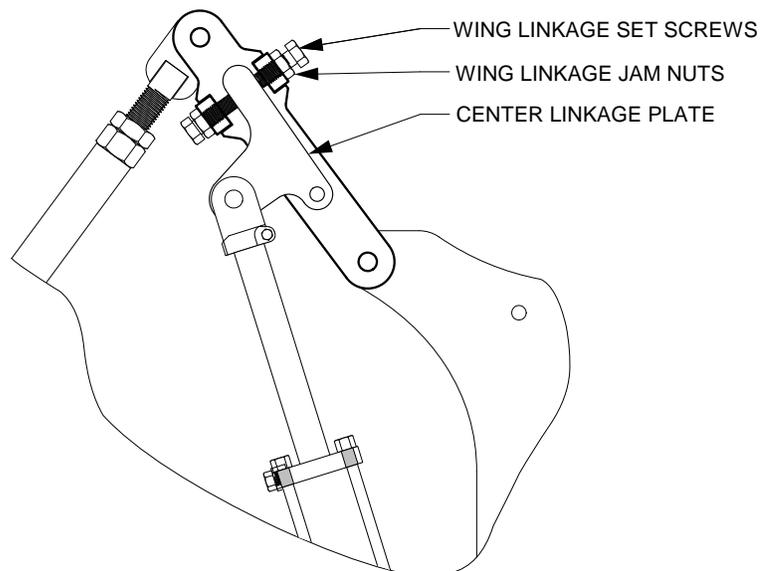




- Using a hoist or a forklift, raise wings to approximately 90 degrees and ensure that lockout plates fit easily.



- Screw in wing linkage set screws until they hit center linkage plate. Lock in place with jam nuts. Repeat on the other side.





FIELD OPERATION

1. Adjust the bucket blade height with the tractor's 3-point hitch hydraulic control. This will determine the load that will be carried in the bucket. The recommended load is to have the bucket 2/3 full in operation.
2. After the blade height has been set, adjust the center link of the tractor's 3-point hitch so the H-Frame is parallel to the ground. This is required to obtain the maximum compensation in leveling. Whenever the working height of the blade is changed, the center link should be readjusted to keep the H-Frame parallel to the ground.
3. The top link of the 3-point hitch should be adjusted so that the A-Frame of the self-leveling hitch is perpendicular to the ground. This is necessary to get the maximum compensation (travel) in leveling.
4. The width of the rear wheel tread can be adjusted while in motion but should not extend past the bucket ends. This allows wide lateral stability and land leveling and narrow tread width while turning in a corner or along a ditch or levee.
5. The bucket wings can be raised and lowered hydraulically. When in the down position, they are mechanically locked rigid for land leveling. There are holes for a bolt near the bottom and in the back of the bucket that can be used to hold the bucket wings down if the hydraulic lines are disconnected.
 - a. There is an adjusting screw near the bottom and in the back of the bucket roll on each side. This is for adjusting the bucket wings level with the center section. Always make sure that all three buckets are in line.
 - b. The large turnbuckles on each wing lock must be adjusted to hold the bucket wings down tight when in locked position. There are two adjusting screws on each lift lock that are used to adjust the hydraulic cylinder stroke to lock the hydraulic cylinder pins about 1/4" to 3/4" past center. This will hold the bucket wings in a locked position with no pressure on hydraulic lines.
6. Traversing ditches that are over three feet wide and twelve inches deep or crossing levees over twelve inches in height at a ninety-degree angle to the ditch or levee **SHOULD BE AVOIDED**. If this cannot be avoided, the top link of the tractor's 3-point hitch should be disconnected to prevent the self-leveling hitch from exceeding its travel limits and becoming damaged. It is recommended in crossing a ditch or levee that the tractor and the land leveler approach at an approximate forty-five degree angle to allow the self-leveling hitch to operate most efficiently.
7. When lowering the bucket wings, be sure that the center bucket section is clear of the ground so that dirt is not trapped between the buckets sections. Dirt will prevent the buckets from lining up and forcing the sections will damage the bucket lift mechanism.



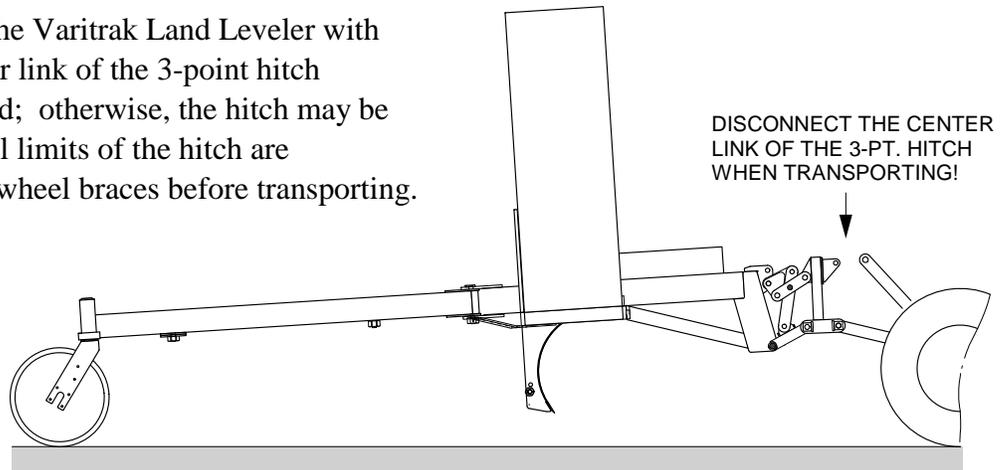
OPERATION WITH A LASER SYSTEM

1. Level the laser stand by loosening the four cap screws and using a carpenter's level on the top plate of the laser stand. Retighten when level.
2. Adjust the tractor's 3-point hitch so that the tractor lift links are parallel to the ground.
3. Lengthen top link on the tractor until there is from 1-3/4" to 2" of down stroke on 3 x 8 cylinder.

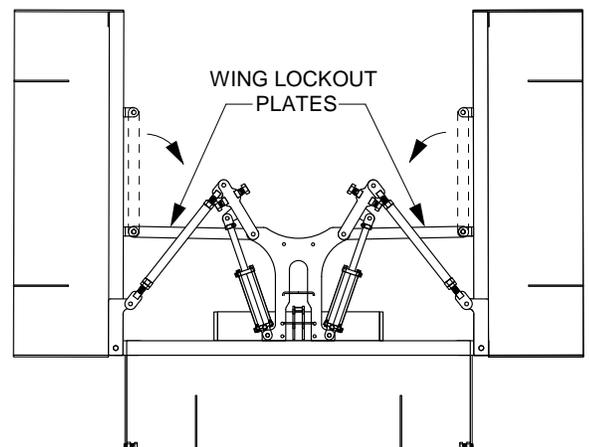
! IMPORTANT Make sure all pivot points on the hitch fit tightly so that the laser system has no false motion for which to compensate.

! IMPORTANT WHEN TRANSPORTING VARITRAK ON THE ROAD:

1. When transporting the Varitrak Land Leveler with the tractor, the center link of the 3-point hitch must be disconnected; otherwise, the hitch may be damaged if the travel limits of the hitch are exceeded. Fold rear wheel braces before transporting.



2. The two bucket wings are equipped with lockout plates. They must be used when the bucket wings are in the raised position before attempting to transport. This will prevent accidental lowering of the bucket wings.





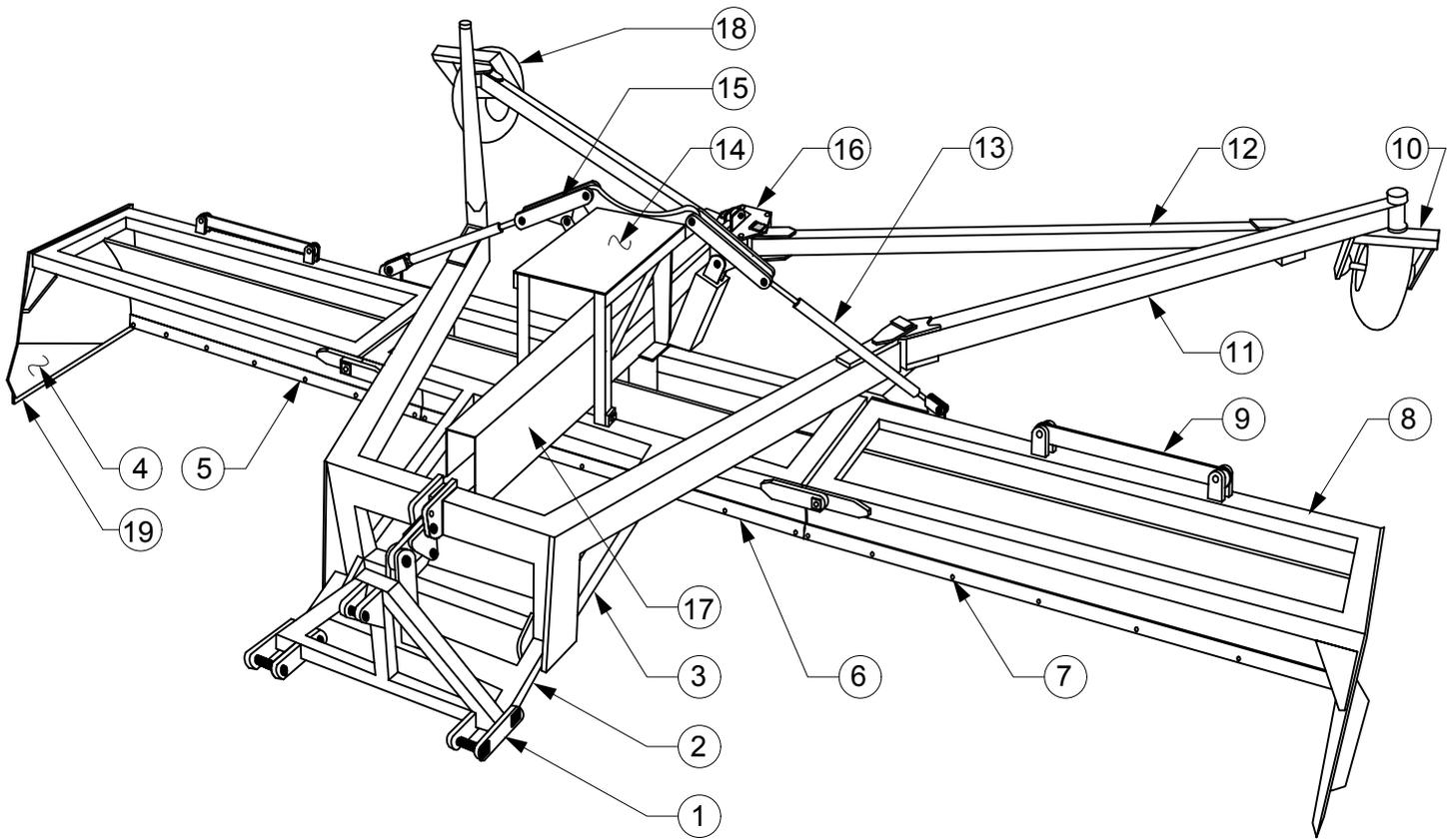
Model Number	Bucket Width	Rear Track	Weight
SVT-16R	16 Ft. (4.9 m)	min. 9.0 Ft. (2.7 m) max. 16.0 Ft. (4.9 m)	3600 Lbs. (1633 kg)
SVT-16S	16 Ft. (4.9 m)	min. 9.6 Ft. (3.0 m) max. 16.0 Ft. (4.9 m)	3920 Lbs. (1778 kg)
SVT-20R	20 Ft. (6.0 m)	min. 9.0 Ft. (2.7 m) max. 23.0 Ft. (7.0 m)	4440 Lbs. (2011 kg)
SVT-20S	20 Ft. (6.0 m)	min. 9.6 Ft. (3.0 m) max. 24.0 Ft. (7.3 m)	4760 Lbs. (2156 kg)
SVT-24R	24 Ft. (6.0 m)	min. 9.0 Ft. (2.7 m) max. 23.0 Ft. (7.0 m)	4587 Lbs. (2078 kg)
SVT-24S	24 Ft. (6.0 m)	min. 9.6 Ft. (3.0 m) max. 24.0 Ft. (7.3 m)	4907 Lbs. (2223 kg)

HORSEPOWER:

	SVT-16R	SVT-20R	SVT-24R
Minimum Drawbar	110 (82 kW)	130 (97 kW)	150 (112 kW)
Recommended Drawbar	125 (93 kW)	150 (112 kW)	180 (134 kW)

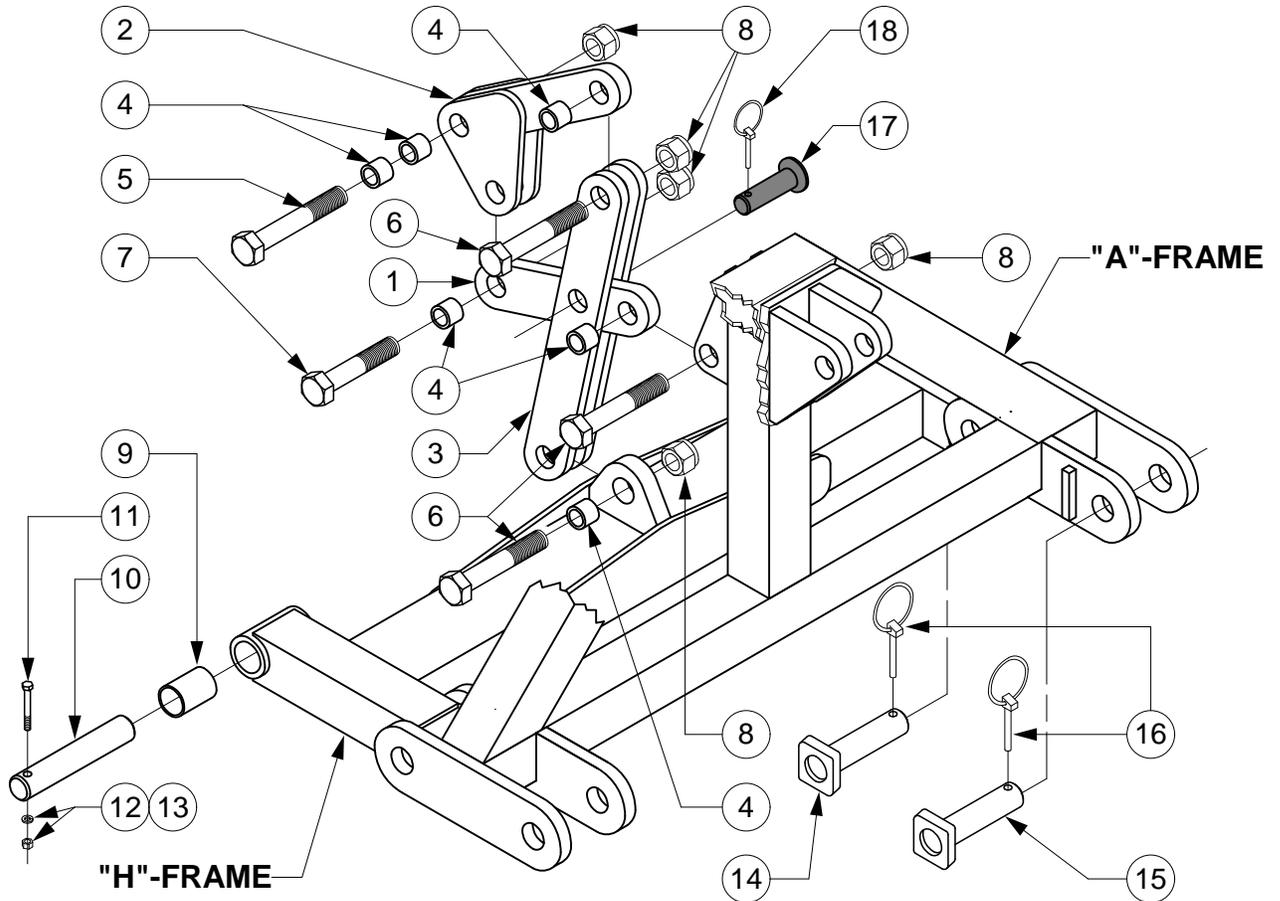
H.P. requirements for crawlers rated at 65% of above.

H.P. requirements for 4-wheel drive tractors rated at 85% of above.

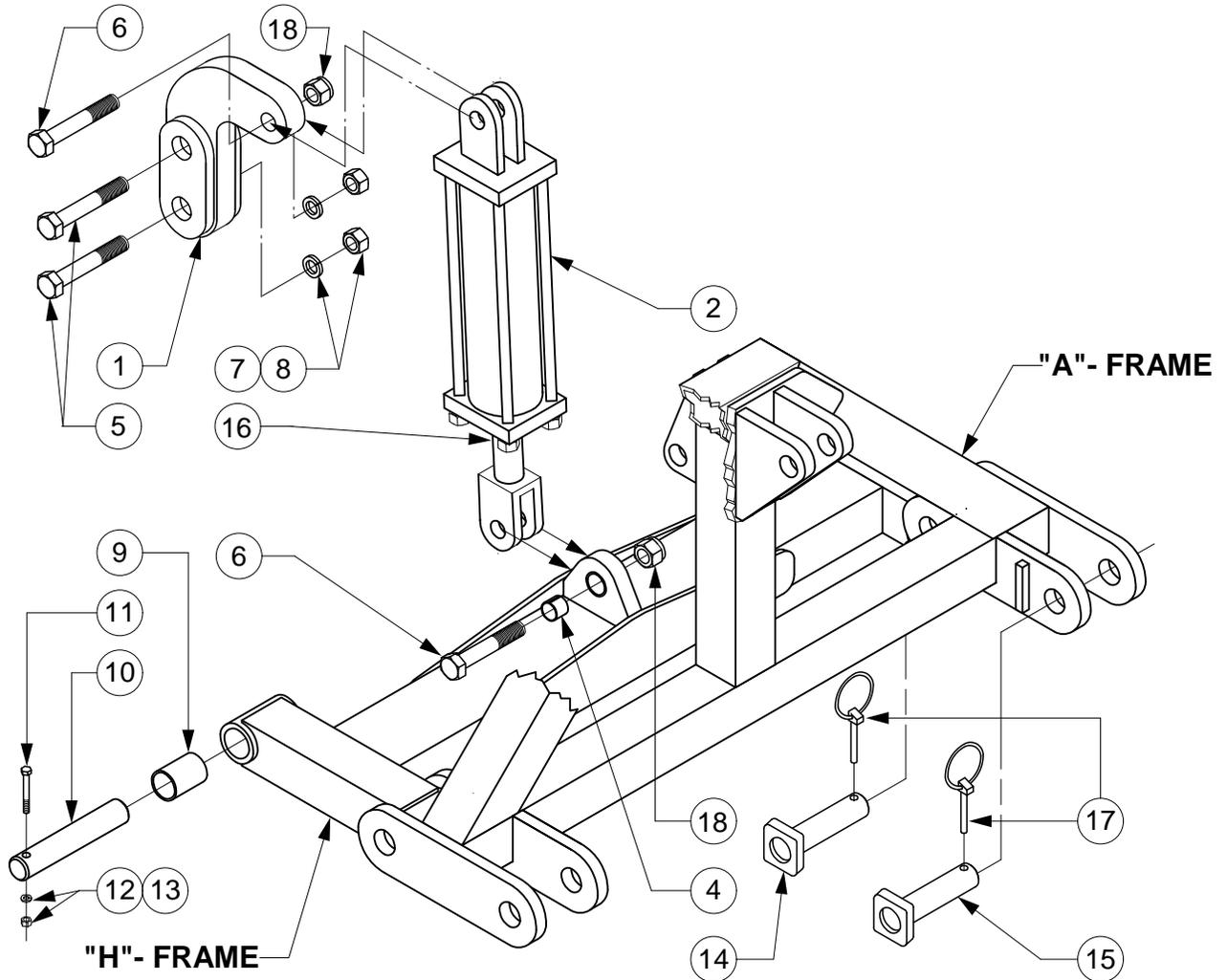




<u>Ref No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Qty.</u>
1.	SVT-00A100	Varitrak Front A-Frame Weldment	1
2.	SVT-00A500	Varitrak H-Frame	1
3.	SVT-(00)B100	Varitrak Main Frame Weldment (specify width)	1
4.	SLP-00L200L(R)	Bucket Side Weldment Left and Right	2
5.	SVT-(00)B205R	Varitrak Wing Blade RH Side (specify width)	1
6.	SVT-(00)B105	Varitrak Main Frame Blade (specify width)	1
7.	SVT-(00)B205L	Varitrak Wing Blade LH Side (specify width)	1
8.	SVT-(00)D100	Varitrak Wing Weldment Pair (specify width)	1
9.	SVT-00D200	Varitrak Wing Lockout Weldment	2
10.	SVT-00G000	Varitrak Wheel Frame Weldment	2
11.	SVT-00C100	Varitrak Rear Main Brace Weldment	2
12.	SVT-00C200	Varitrak Rear Secondary Brace Weldment	2
13.	SVT-00K000	Varitrak Turnbuckle Assembly	2
14.	SVT-00B400	Varitrak Laser Mount Weldment	1
15.	SVT-00F000	Varitrak Wing Linkage Weldment	2
16.	SVT-00E100	Varitrak Top Sliding Plate Weldment	1
	SVT-00E200	Varitrak Bottom Sliding Plate Weldment	1
17.	SVT-00B122	Varitrak Hydraulic Hose Cover	1
18.	GWT-111408	11L X 14 Tire with Wheel Assembly (Std.)	2
	SLP-00D000	30" Steel Wheel Weldment (Optional)	2
19.	SLP-00L204	Bucket Side Adjustment Blade	2



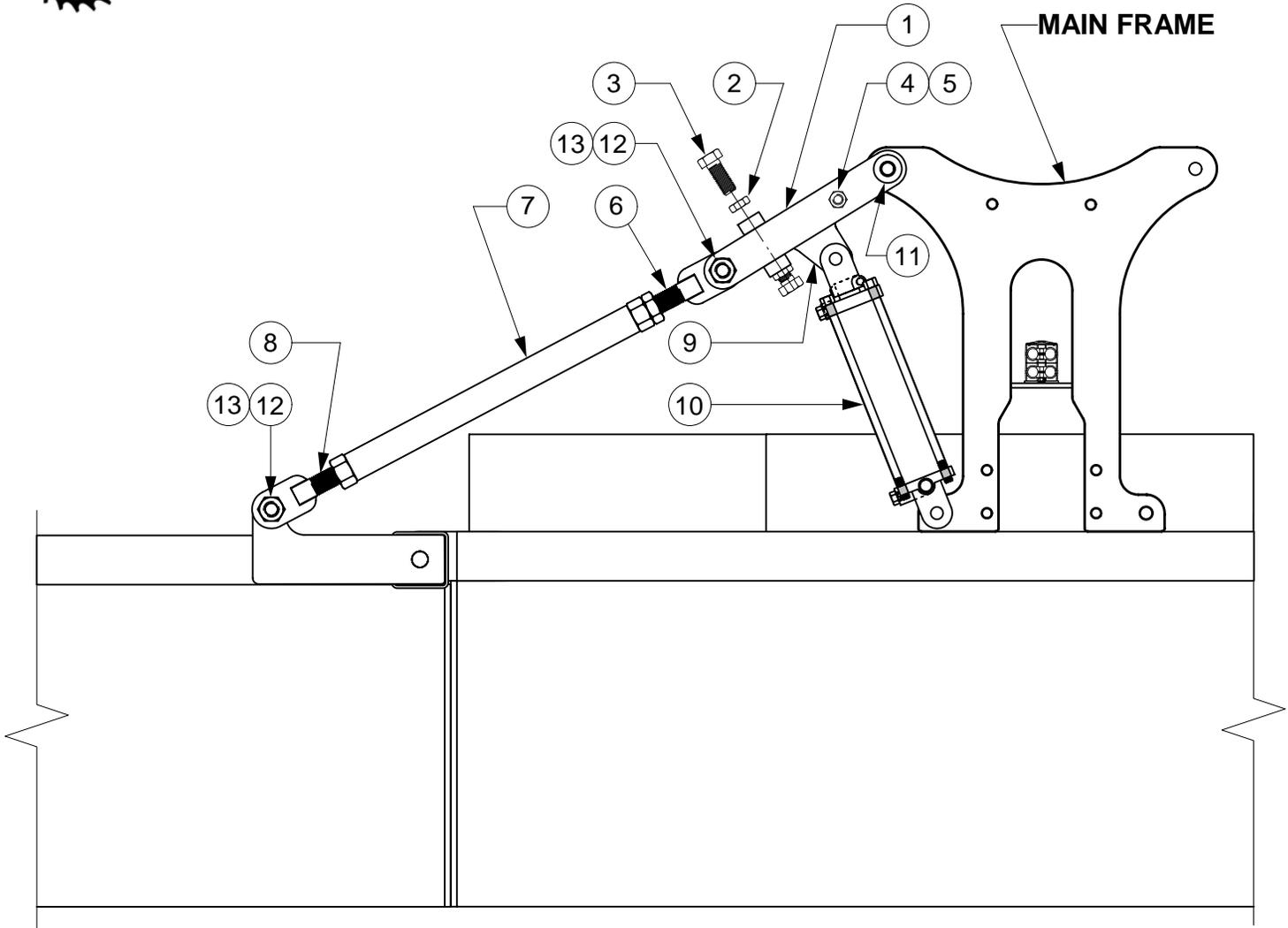
<u>Ref No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Qty.</u>
1.	SVT-00A200	3-Pt. Hitch Short Link	1
2.	SVT-00A400	3-Pt. Hitch Top Link Weldment	1
3.	SVT-00A300	3-Pt. Hitch Long Link	2
4.	GBR-2024G16	1-1/4" X 1-1/2" X 1" Self-Lubricating Bushings	6
5.	SVT-00A302	1-1/4" x 5-1/2" Long Shoulder Bolt	1
6.	SVT-00A303	1-1/4" x 4-1/2" Long Shoulder Bolt	3
7.	SVT-00A304	1-1/4" x 3-3/4" Long Shoulder Bolt	1
8.	NYNUT-20NC	1-1/4" Nylon Lock Hex Nut NC	5
9.	GBR-2428G60	1-3/4" X 1-1/2" X 3-3/4" Self-Lubricating Bushings	4
10.	SVT-00A600	Varitrak Main Frame Pin	2
11.	CSNC506048	3/8" X 3" Gr. 5 Cap Screw	2
12.	HXNUT-06NC	3/8" NC Hex Nut	2
13.	LWASHER-06	3/8" Lock Washer	2
14.	SVT-00A700	Varitrak "A"-Frame to "H"-Frame Pin Weldment	2
15.	SVT-00A900	Varitrak "A"-Frame Front Pin Weldment	2
16.	GPN-070LYN	7/16" Lynch Pin	4
17.	GPN-16X048	1" X 3" Red Lock Pin	1
18.	GPN-040LYN	1/4" Lynch Pin	1



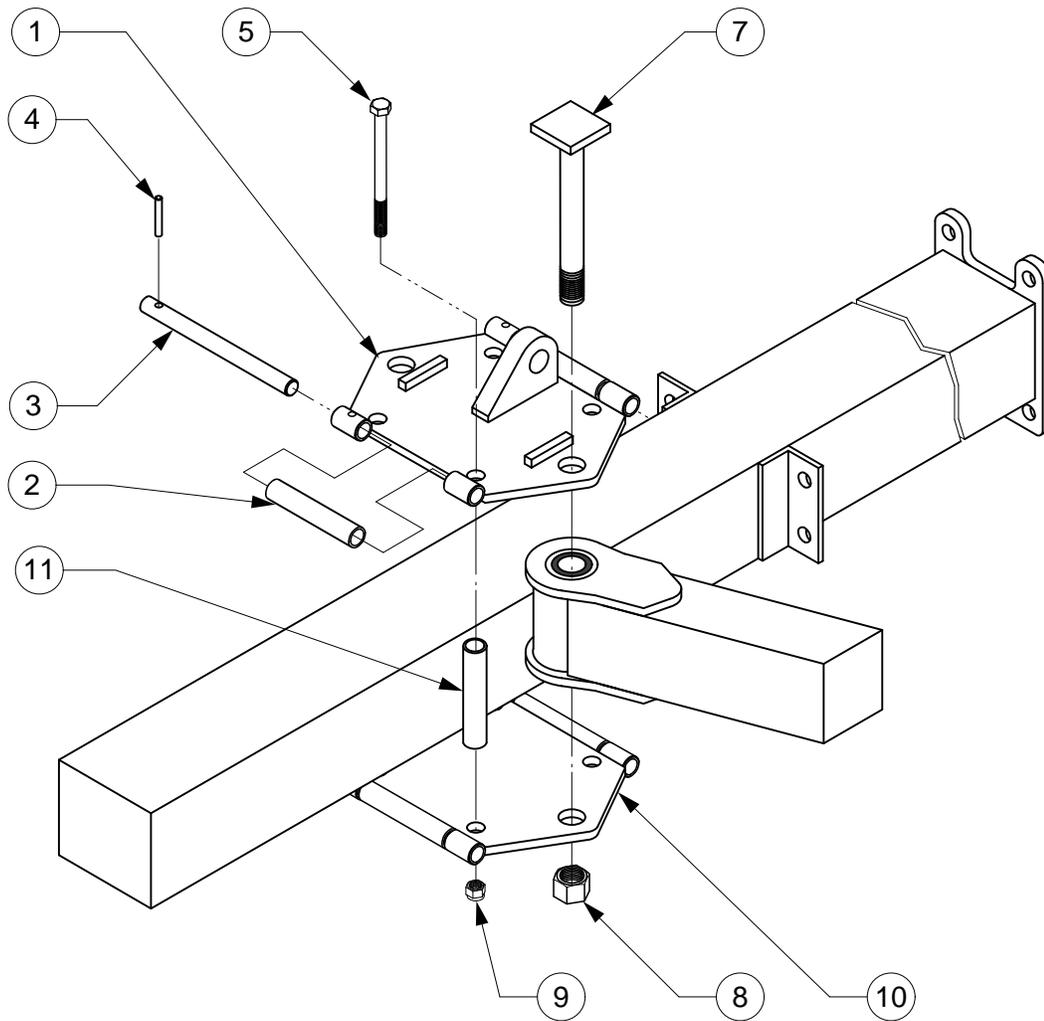
<u>Ref No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Qty.</u>
1.	SVT-00A800	Laser Option Cylinder Anchor Weldment	1
2.	GHC-30080T	3" X 8" Tie Rod Hydraulic Cylinder	1
3.	NYNUT-20NC	1-1/4" Nylon Lock Hex Nut NC	2
4.	GBR-20X16T	1-1/4" X 1" X 1" Tension Bushing	1
5.	CSNC520088	1-1/4" x 5-1/2" Gr.5 NC Cap Screw	2
6.	CSNC516072	1" x 4-1/2" Long Shoulder Bolt	2
7.	LWASHER-20	1-1/4" Lock Washer	2
8.	HXNUT-20NC	1-1/4" Hex Nut NC	2
9.	GBR-2428G60	1-3/4" X 1-1/2" X 3-3/4" Self-Lubricating Bushings	4
10.	SVT-00A600	Varitrak Main Frame Pin	2
11.	CSNC506048	3/8" X 3" Gr. 5 Cap Screw	2
12.	HXNUT-06NC	3/8" NC Hex Nut	2
13.	LWASHER-06	3/8" Lock Waser	2
14.	SVT-00A700	Varitrak "A"-Frame to "H"-Frame Pin Weldment	2
15.	SVT-00A900	Varitrak "A"-Frame Front Pin Weldment	2
16.	PMCK33000	Seal Kit for 3" X 8" Hydraulic Cylinder	1
17.	GPN-070LYN	7/16" Lynch Pin	4
18.	NYNUT-16NC	1" Nylon Lock Hex Nut	2
	SVT-LHU	Laser Hitch Upgrade - includes items 1, 2, 4-8, 18, and SVT-00B400 - Laser Mount Weldment (not shown)	



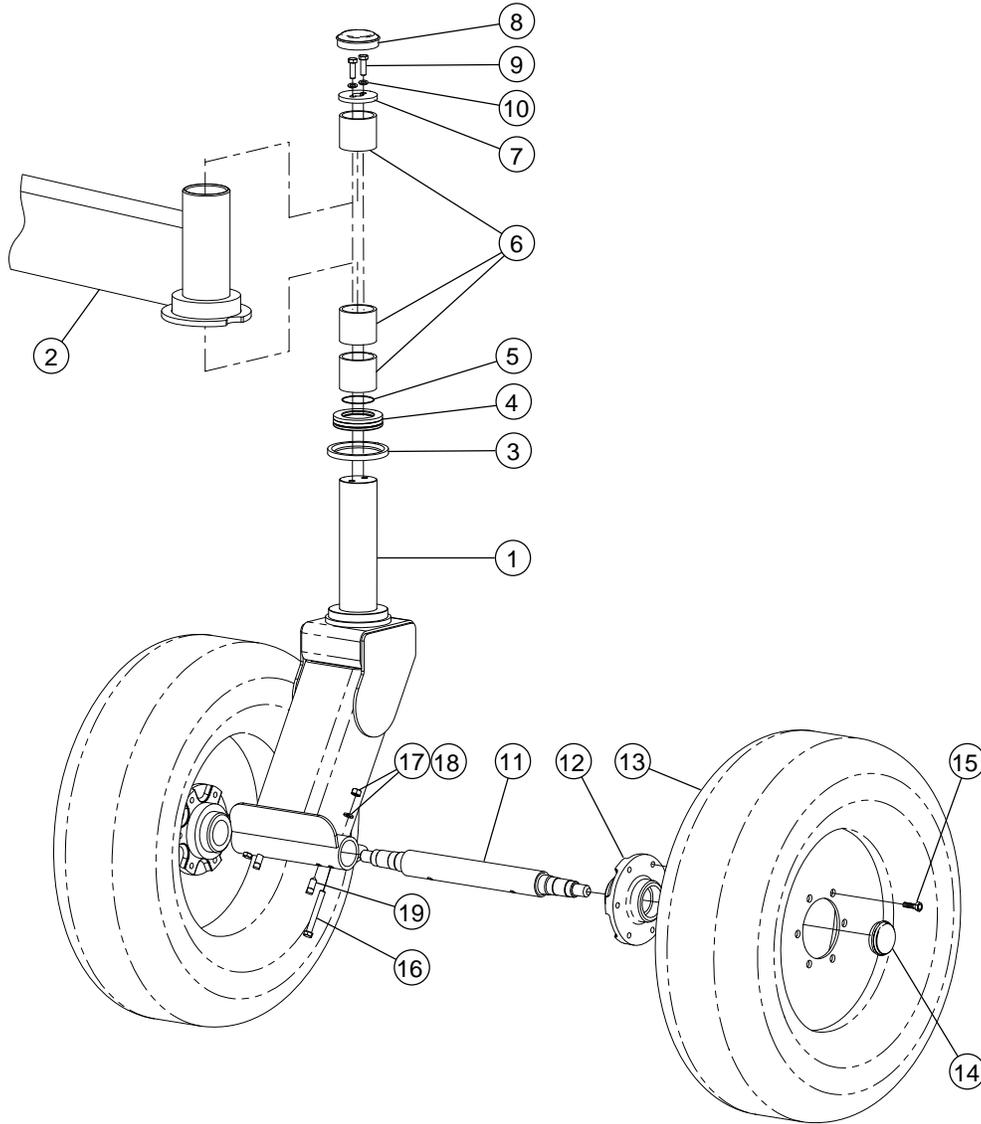
T. G. SCHMEISER CO., INC. **WING LINKAGE AND TURNBUCKLE ASSEMBLY**



<u>Ref No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Qty.</u>
1.	SVT-00F000	Wing Linkage Weldment	2
2.	HXNUTJ16NC	1" NC Hex Jam Nut	4
3.	CSNC816040	1" x 2-1/2" Gr. 8 Cap Screw	4
4.	CSNC508048	1/2" X 3" Gr. 5 Cap Screw	2
5.	NYNUT-08NC	1/2" NC Nylon Lock Hex Nut	2
6.	SVT-00K200	Turnbuckle Top RH Thread Rod Weldment	2
7.	SVT-00K100	Turnbuckle Body Weldment	2
8.	SVT-00K300	Turnbuckle Bottom LH Thread Rod Weldment	2
9.	SVT-00F001	Wing Linkage Center Plate	2
10.	GHC-40120T	4" X 12" Tie Rod Hydraulic Cylinder	2
11.	SVT-00F003	Varitrak Wing Linkage Pin Weldment	2
12.	CSNC516056	1" X 3-1/2" NC Cap Screw	4
13.	NYNUT-16NC	1" NC Nylon Lock Hex Nut	4
	SVT-F	Wing Linkage Assembly (includes items 1, 2, 3, 4, 5, 9)	
	SVT-K	Turnbuckle Assembly (includes items 6, 7, 8)	



<u>Ref No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Qty.</u>
1.	SVT-00E100	Top Sliding Plate Weldment	1
2.	SVT-00E300	Sliding Plate Roller	4
3.	SVT-00E400	Sliding Plate Roller Pin	4
4.	GPN-05X40R	5/16" X 2-1/2" Roll Pin	4
5.	CSNC510144	5/8" X 9" NC Cap Screw	4
7.	SVT-00J300	1-1/4" X 8-3/4" Brace to Sliding Plate Pin Weldment	2
8.	NYNUT-20NC	1-1/4" NC Nylon Lock Hex Nut	2
9.	NYNUT-10NC	5/8" NC Nylon Lock Hex Nut	4
10.	SVT-00E200	Bottom Sliding Plate Weldment	1
11.	SVT-00E500	Sliding Plate Spacer	4
	SVT-E	Sliding Plate Assembly (includes items 1, 2, 3, 4, 5, 9, 10, 11)	

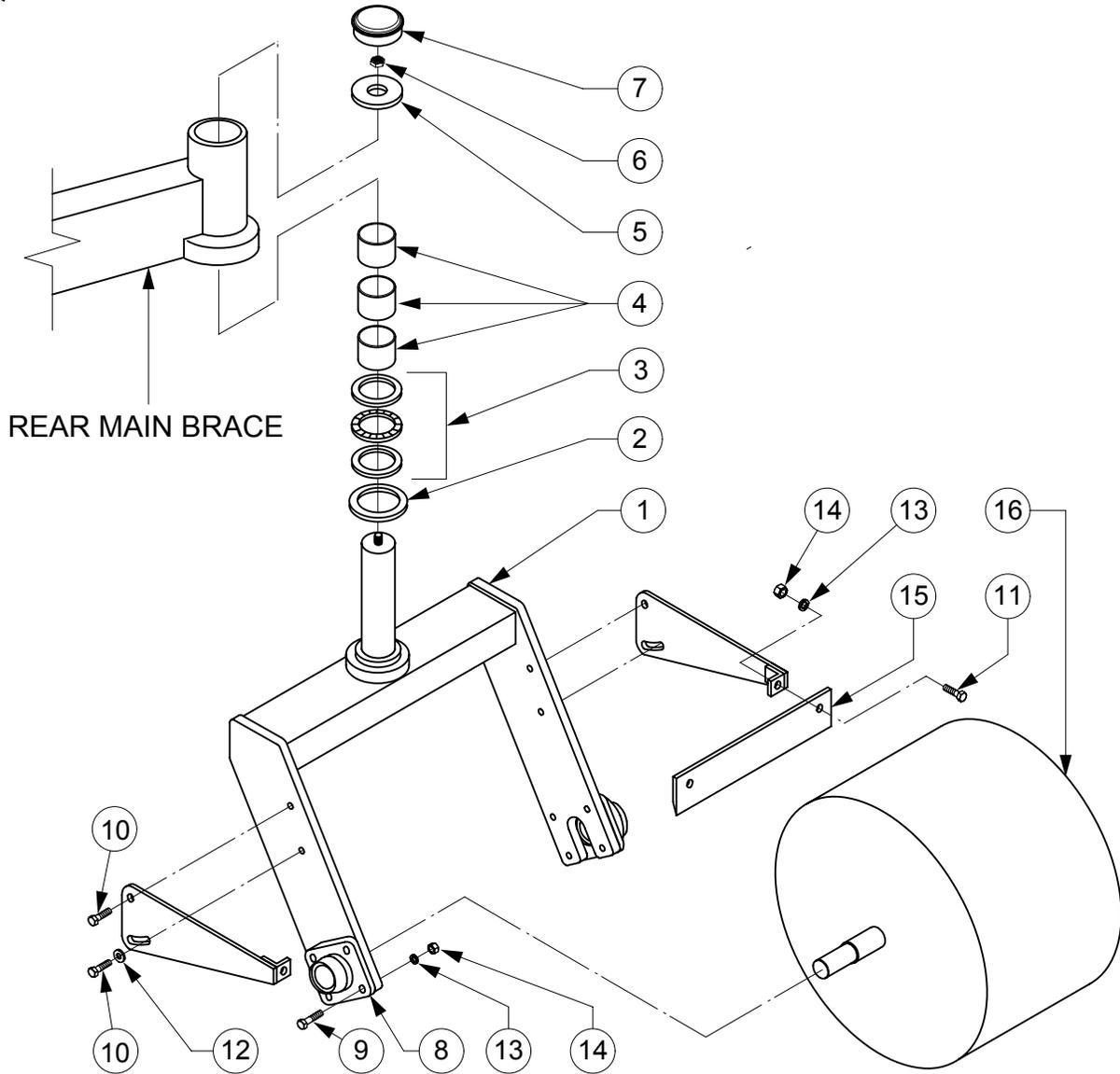


##	Part Number	Description	Q'ty
1	SVT-00G100	Dual Wheel Frame Wldm.	2
	SLP-00N201	Pivot Shaft only	2
2	SVT-00C100	Main Brace	2
3	GBR-47394S	Oil Seal	2
4	GBR-48TB01	Thrust Bearing	2
5	GMB-ORING46	O-Ring	2
6	GBR-4856GB	Housing Bushing	6
7	SLP-00A603	Shaft Cap	2
8	GBR-00GC01	Housing Dust (Grease)Cap	2
9	CSNC808024	1/2" X 1-1/2" Gr.8 Bolts	4

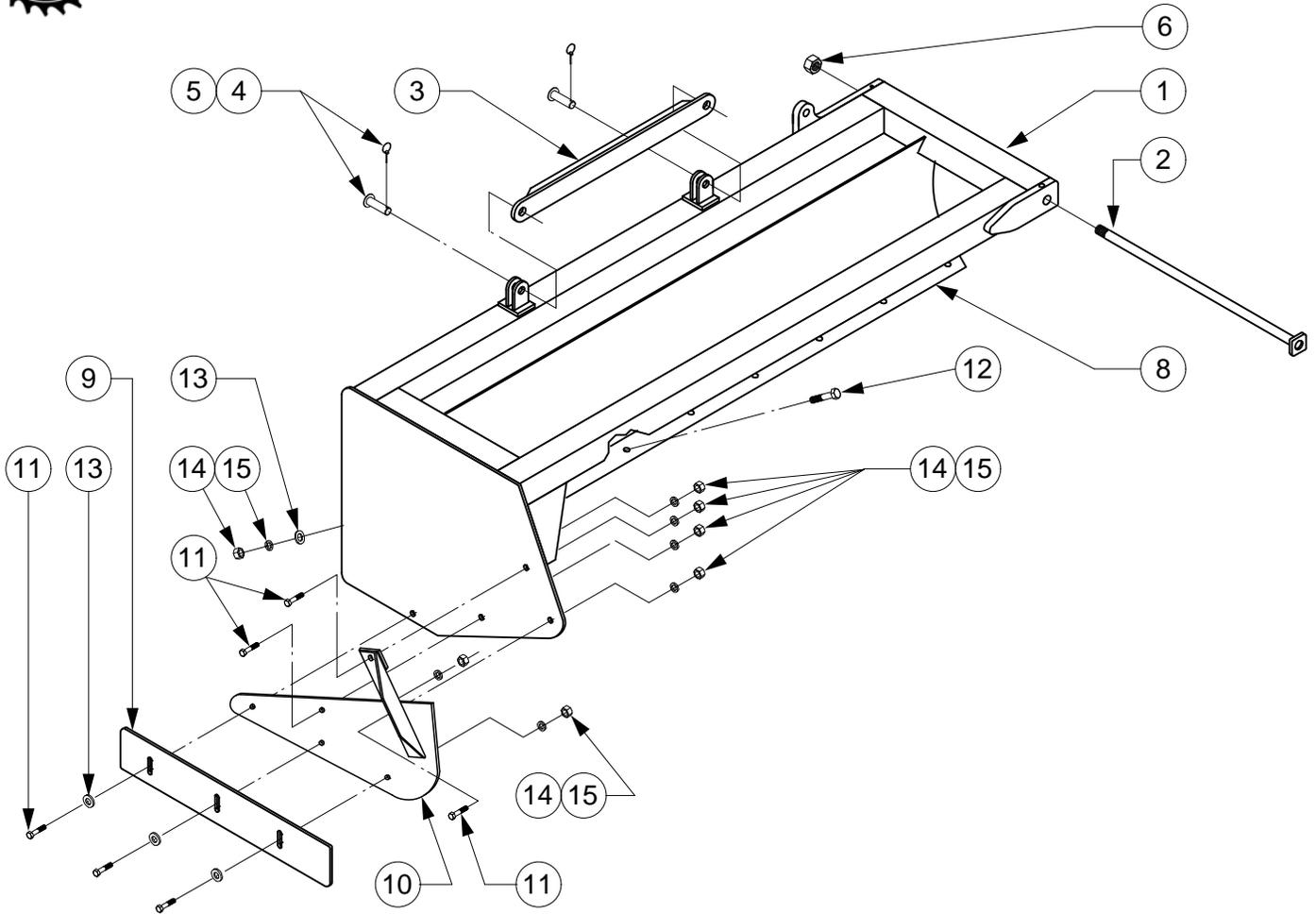
##	Part Number	Description	Q'ty
10	LWASHER-08	1/2" Lock Washer	4
11	TBU-01G016	2" X 20-1/4" Removable Spindle	2
12	GHB-6X6STD	Hub, 6 on 6 Std. Complete	4
13	GWT-951508	9.5 X 15 8 Ply Tire with Wheel	4
14	GHB-6X6CAP	Dust Cap for 6 on 6 Std. Hub	4
15	WHB-08X016	1/2" Wheel Bolt for 6 on 6 Std. Hub	24
16	CSNC507056	7/16" X 3-1/2" NC Cap Screw	4
17	LWASHER-07	7/16" Lock Washer	4
18	HXNUT-07NC	7/16" Hex Nut	4
19	SSNCS08X16	1/2" X 1" NC Set Screw	4



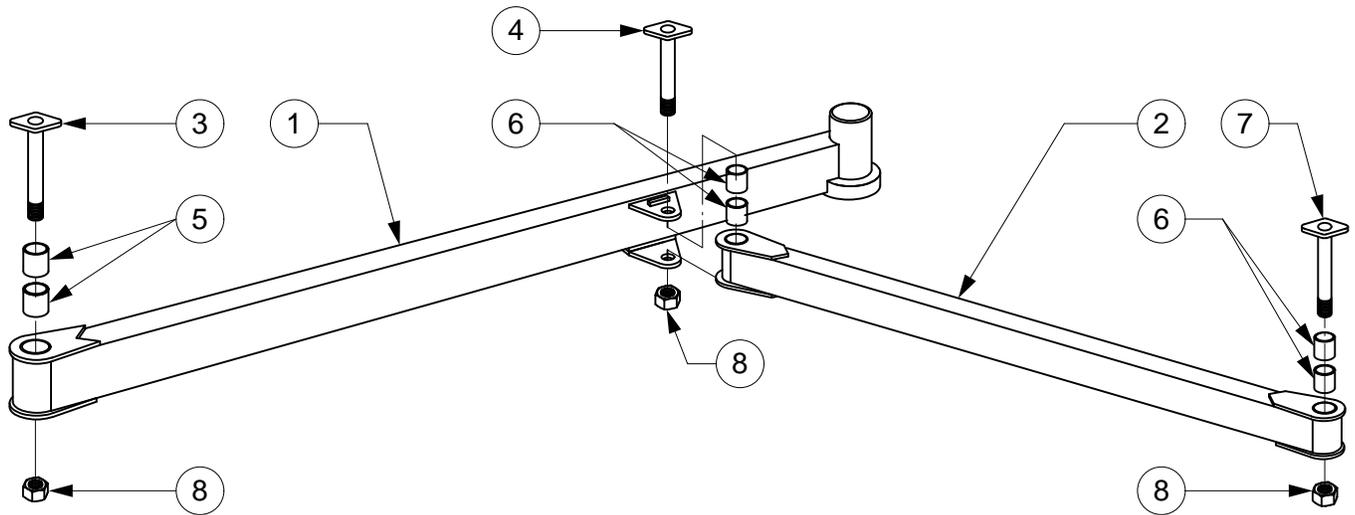
REAR STEEL WHEEL FRAME ASSEMBLY



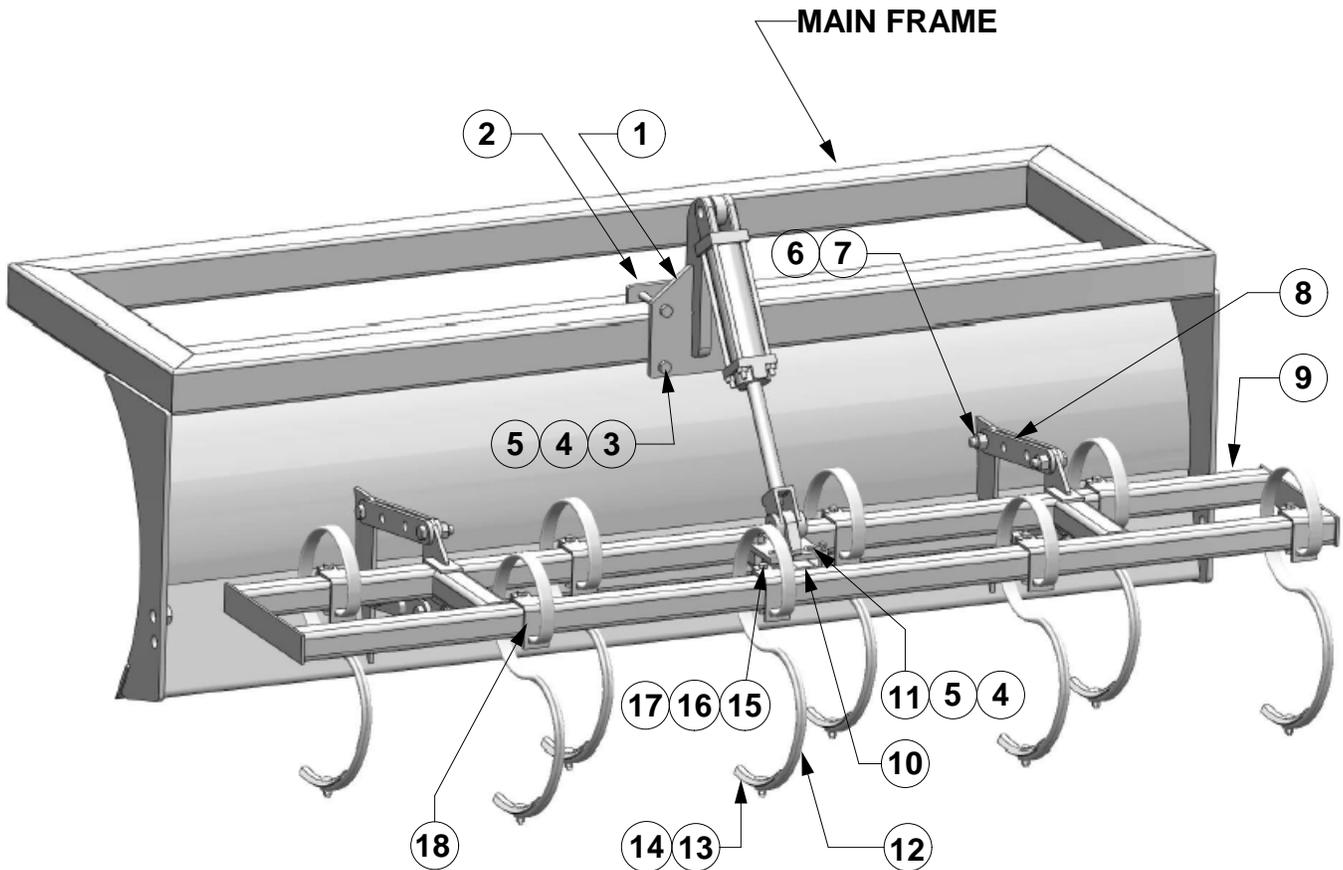
Ref No.	Part No.	Description	Qty.
1.	SVT-00G000	Rear Wheel Frame Weldment	2
2.	GBR-47394S	Grease Seal	2
3.	GBR-48TB01	3" Thrust Bearing Assembly	2
4.	GBR-4856GB	3" X 3-1/2" Self-Lubricating Bushings	6
5.	SLP-00A603	Shaft Cap	2
6.	NYNUT-14NFJ	7/8" NF Nylon Lock Jam Nut	2
7.	GBR-00GC01	Grease Cap	2
8.	TPP3152	1-11/16" Flange Bearing Complete	4
9.	CSNC508036	1/2" X 2-1/4" NC Gr.5 Cap Screw	8
10.	CSNC508032	1/2" X 2" NC Gr.5 Cap Screw	8
11.	CSNC508024	1/2" X 1-1/2" NC Gr.5 Cap Screw	4
12.	FWASHER-08	1/2" Flat Washer	4
13.	LWASHER-08	1/2" Lock Washer	20
14.	HXNUT-08NC	1/2" NC Hex Nut	20
15.	SLP-00B203	Rear Wheel Scraper Blade	2
16.	SLP-00D000	Steel Wheel Weldment	2



<u>Ref No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Qty. per pair</u>
1.	SVT-08D100	Varitrak 8ft. Wings Weldment (pair)	1
2.	SVT-00J100	Varitrak Wing Hinge Pin Weldment	2
3.	SVT-00D200	Varitrak Lockout Weldment	2
4.	GPN-16X040	1" X 2-1/2" General Clevis Pin	4
5.	GPN-040LYN	1/4" Lynch Pin	4
6.	HXNUT-20NC	1-1/4" NC Nylon Lock Hex Nut	8
8.	SVT-08B205L(R)	Varitrak 8ft. Wing Blade LH and RH	2
9.	SLP-00L204	Bucket Side Adjustment Blade	2
10.	SLP-00L200L(R)	Bucket Side Weldment LH and RH	2
11.	CSNC5010032	5/8" x 2" Gr. 5 NC Cap Screw	12
12.	PBNC-10028	5/8" x 1-3/4" NC Plow Bolt	18
13.	FWASHER-10	5/8" Flat Washer	24
14.	HXNUT-10NC	5/8" NC Hex Nut	30
15.	LWASHER-10	5/8" Lock Washer	30



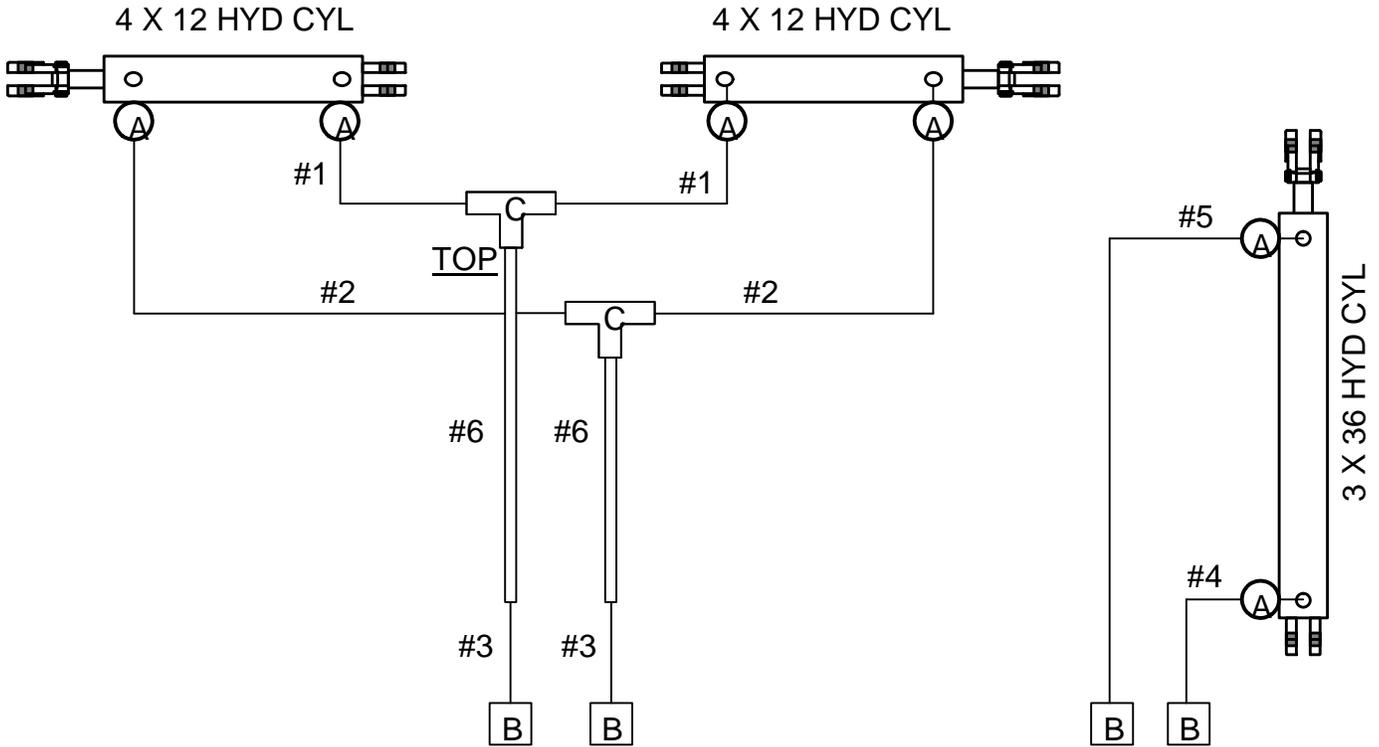
<u>Ref No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Qty.</u>
1.	SVT-00C100	Varitrak Primary Brace Weldment	2
2.	SVT-00C200	Varitrak Secondary Brace Weldment	2
3.	SVT-00J400	1-1/4" x 11" Brace to Main Frame Pin Weldment	2
4.	SVT-00J200	1-1/4" x 8-1/2" Brace to Brace Pin Weldment	2
5.	GBR-2024G64	1-1/4" x 1-1/2" X 4" Self-Lubricating Bushings	4
6.	GBR-2024G48	1-1/4" x 1-1/2" X 3" Self-Lubricating Bushings	8
7.	SVT-00J300	1-1/4" x 8-3/4" Brace to Sliding Plate Pin Weldment	2
8.	NYNUT-20NC	1-1/4" NC Nylon Lock Hex Nut	8



<u>Ref No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Qty./Bucket</u>
1.	SVT-00L500	Cylinder Anchor Large Weldment	1
2.	SVT-00L503	Cylinder Anchor Clamp Plate	1
3.	CSNC510096	5/8" X 6" NC Gr.5 Cap Screw	4
4.	LWASHER-10	5/8" Lock Washer	8
5.	HXNUT-10NC	5/8" NC Hex Nut	8
6.	CSNC512040	3/4" X 2-1/2" NC Gr.5 Cap Screw	8
7.	NYNUT-12NC	3/4" NC Nylon Lock Nut	8
8.	SVT-00L400	S-Tine Attachment Link	8
9.	SVT-(00)L200	S-Tine Attachment Frame (specify size)	1
10.	SVT-00L100	Cylinder Anchor Small Weldment	1
11.	UBNC10X41S	5/8" NC Square U-Bolt	2
12.	GST-50125S	1/2" X 1-1/4" S-Tine Standard	varies
13.	GST-25150P	1/4" S-Tine Point	varies
14.	GST-0624BN	3/8" X 1-1/2" E-Head Bolt with Nut	varies
15.	CBNC508064	1/2" X 4" Round Head Square Neck Bolt	varies
16.	LWASHER-08	1/2" Lock Washer	varies
17.	HXNUT-08NC	1/2" NC Hex Nut	varies
18.	GST-2CL250	2-1/2" S-Tine Bar Clamp	varies



REAR



FRONT

FRONT

<u>Ref No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Qty.</u>
1.	-----	8FJX-8FJX Hydraulic Hose 30" Long	2
2.	-----	8FJX-8FJX Hydraulic Hose 36" Long	2
3.	-----	8MP-8MJ Hydraulic Hose 80" Long	2
4.	-----	8MP-8FJX Hydraulic Hose 104" Long	1
5.	-----	8MP-8FJX Hydraulic Hose 140" Long	1
	HKSVT	Varitrak Hose Kit (includes items 1 through 5)	1
6.	-----	Hydraulic Line 47" Long	2
A	FMBMJ9088	1/2" MB-1/2" MJ 90 Fitting	6
B	FFP08000PT	1/2" FP Pioneer Tip	4
C	FMJT08	1/2" MJ "T" Fitting	2
	GHC-40120T	4" X 12" Tie Rod Hydraulic Cylinder	2
	GHC-30360T	3" X 36" Tie Rod Hydraulic Cylinder	1



REAR RH WING

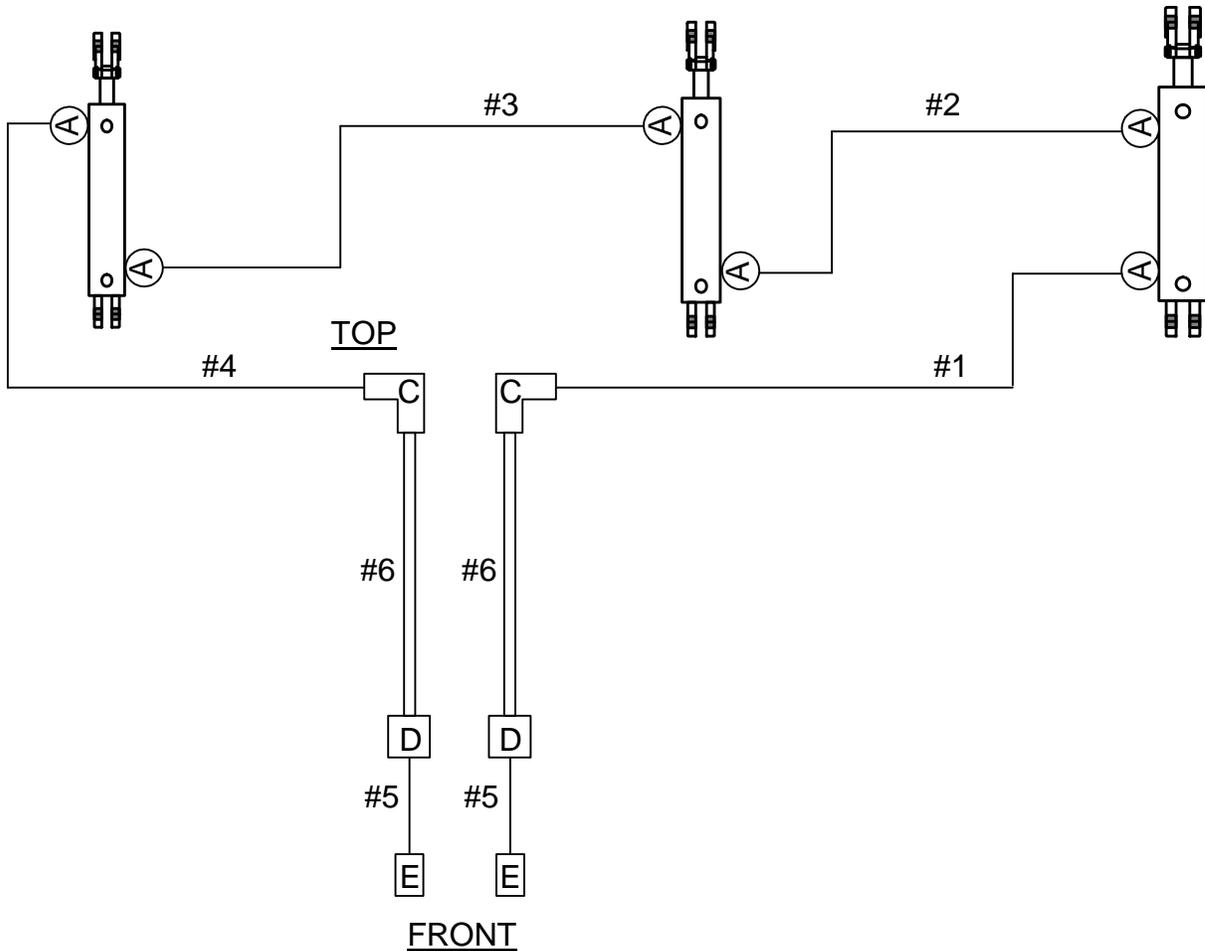
2-1/2" X 8" HYD CYL

REAR MF

2-3/4" X 8" HYD CYL

REAR LH WING

3" X 8" HYD CYL



<u>Ref No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Qty.</u>
1.	-----	8FJX-8FJX 108" long	1
2.	-----	8FJX-8FJX 143" long	1
3.	-----	8FJX-8FJX 84" long	1
4.	-----	8FJX-8FJX 120" long	1
5.	-----	8MP-8MJ 80" long	2
6.	-----	Hydraulic Pipe 47" Long	2
A	FMBMJ9088	1/2" MB-1/2" MJ 90 Elbow Fitting	6
C	FMJMJ9088	1/2" MJ-1/2" MJ 90 Elbow Fitting	2
E	FFP08000PT	1/2" FP Pioneer Tip	2
	GHC-3008MS	3" X 8" Series Tie Rod Hydraulic Cylinder	1
	GHC-2758MS	2-3/4" X 8" Series Tie Rod Hydraulic Cylinder	1
	GHC-2508MS	2-1/2" X 8" Series Tie Rod Hydraulic Cylinder	1

T.G. SCHMEISER CO., INC.®

Limited Warranty Statement

T. G. Schmeiser Co., Inc. warrants each new Schmeiser® product to be free from defects in material and workmanship. This warranty is applicable only for the normal service life expectancy of the product or components, not to exceed twelve (12) consecutive months from the date of delivery of the new Schmeiser product to the original purchaser.

Genuine T. G. Schmeiser Co., Inc. replacement parts and components will be warranted for 90 days from date of purchase, or the remainder of the original equipment warranty period, whichever is longer.

Under no circumstances will it cover any merchandise or components thereof, which, in the opinion of the company, has been subjected to misuse, unauthorized modifications, alteration, an accident or if repairs have been made with parts other than those obtainable through T. G. Schmeiser Co., Inc.

The Company in no way warrants engines, batteries, cylinders, tires or other trade accessories since these items are warranted separately by their respective manufacturer. Expendable components such as points, shanks, blades, rings, bearings, teeth, and the like are excluded from this warranty.

Our obligation under this warranty shall be limited to repairing or replacing, free of charge to the original purchaser, any part that, in our judgment, shall show evidence of such defect, provided further that such part shall be returned within thirty (30) days from date of failure to T. G. Schmeiser Co., Inc., routed through the dealer and distributor from whom the purchase was made, transportation charges prepaid.

This warranty shall not be interpreted to render T. G. Schmeiser Co., Inc. liable for injury or damages of any kind or nature to person or property. This warranty does not extend to the loss of crops, loss because of delay in harvesting, or any expense or loss incurred for labor, substitute machinery, rental or for any other reason.

Except as set forth above, **T. G. Schmeiser Co., Inc. shall have no obligation or liability of any kind on account of any of its equipment and shall not be liable for special or consequential damages. T. G. Schmeiser Co., Inc. makes no other warranty, expressed or implied, and, specifically, T. G. Schmeiser Co., Inc. disclaims any implied warranty or merchantability or fitness for a particular purpose. Some states or provinces do not permit limitations or exclusions of implied warranties or incidental or consequential damages, so the limitations or exclusion in this warranty may not apply.**

This warranty is subject to any existing conditions of supply, which may directly affect our ability to obtain materials or manufacture replacement parts.

T. G. Schmeiser Co., Inc. reserves the right to make improvements in design or changes in specifications at any time, without incurring any obligation to owners of units previously sold.

No one is authorized to alter, modify or enlarge this warranty nor the exclusion, limitations and reservations.

**WARRANTY VOID IF NOT REGISTERED
WITHIN 30 DAYS OF PURCHASE DATE**

