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**ALL TERRAIN PALLET TRUCKS
MODELS: ALL-T-1-GPT-ST-L & ALL-T-35-GPT-ST-L**



Receiving Instructions

After delivery, remove the packaging from the product. Inspect the product closely to determine whether it sustained damage during transport. If damage is discovered, record a complete description of it on the bill of lading. If the product is undamaged, discard the packaging.

NOTE: The end-user is solely responsible for confirming that product design, use, and maintenance comply with laws, regulations, codes, and mandatory standards applied where the product is used.

Technical Service & Replacement Parts

For answers to questions not addressed in these instructions and to order replacement parts, labels, and accessories, call our Technical Service and Parts Department at (260) 665-7586. The department can also be contacted online at <https://www.vestil.com/page-parts-request.php>.

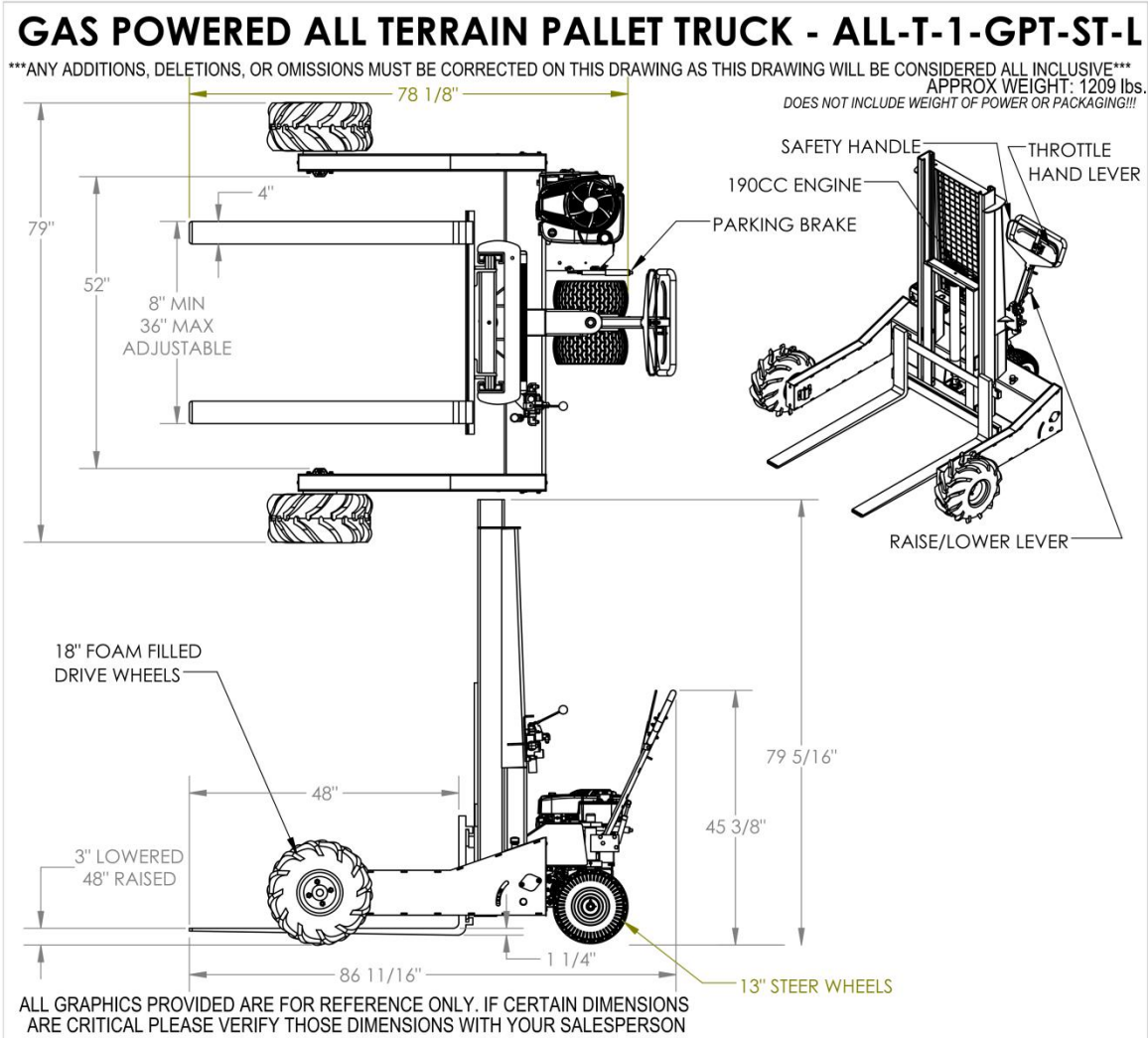
Electronic copies of Instruction Manuals

This instruction manual may be downloaded from <https://www.vestil.com/page-manuals.php>

Table of Contents		Page
Specifications		2
National Standards		3
Signal Words		3
Safety Instructions		3
Operating the Truck		4
Fork Carriage Controls		4 - 5
Lifting and Transporting Loads		5
Parking Brake		6
Disengaging the Transmission (Neutral Mode)		6
Record of Satisfactory Condition		6
Inspections and Maintenance		6 - 7
Exploded View and Bill of Materials		8 - 9
Rear Wheel Axle Assembly Exploded Views and Bills of Materials		10
Steering Handle Subassembly Exploded View and Bill of Materials		11
Power Unit Subassembly Exploded View and Bill of Materials		12
Sprocket Drive Subassembly, Right Side, Exploded View and Bill of Materials		13
Sprocket Drive, Subassembly, Left Side, Exploded View and Bill of Materials		13
Labeling Diagram		14
Limited Warranty		15

SPECIFICATIONS

Documents that provide specifications for All-T-##-GPT-ST-L series rough terrain high lift trucks are available online to anyone who visits Vestil's website. Specifications include dimensions, net weight, and capacity information. To access the appropriate specifications document, navigate to the webpage at <https://www.vestil.com/product.php?FID=336>. Scroll the page to the entry for the model you purchased. Click the button in the "PDF" column that looks like a pencil inside a blue box. A PDF file will open. This file is the specifications document. Print a copy of the document and keep it with your copy of this manual. The following is an exemplar specifications document for mode ALL-T-1-GPT-ST-L. It is included in this manual to provide an example of the specifications document you will find on the product webpage. It might not be the most current version of the document. Always refer to the data provided on your specifications document printed from the product webpage.



ALL GRAPHICS PROVIDED ARE FOR REFERENCE ONLY. IF CERTAIN DIMENSIONS ARE CRITICAL PLEASE VERIFY THOSE DIMENSIONS WITH YOUR SALESPERSON
DIMENSION TOLERANCE ± 1"

STANDARD FEATURES

- MODEL NUMBER IS ALL-T-1-GPT-ST-L
- CAPACITY IS 1,000 LBS
- OVERALL WIDTH IS 79"
- STRADDLE WIDTH IS 52"
- SERVICE HEIGHT IS 3" TO 48"
- FORKS ARE ADJUSTABLE FROM 8" TO 36"
- FORKS ARE 1 1/4" THICK X 4" WIDE X 48" LONG
- OVERALL LENGTH IS 86 11/16"
- OVERALL HEIGHT IS 79 5/16"
- 18" FOAM FILLED FRONT WHEELS
- SAFETY HANDLE WITH FORWARD/NEUTRAL/REVERSE
- 190CC BRIGGS AND STRATTON ENGINE
- HAND LEVER TO CONTROL LIFT/LOWER
- DURABLE LIQUID PAINT BLUE FINISH

SPECIAL FEATURES

NONE

A P P R O V A L	I, THE UNDERSIGNED, AGREE THAT THE PRODUCT AS REPRESENTED SATISFIES DESIGN AND DIMENSION REQUIREMENTS. I ALSO ACKNOWLEDGE MY DUTY TO CONFIRM PRODUCT AND INSTALLATION COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND STANDARDS.		
	UNITS REQUIRING APPROVAL DRAWINGS OR MODIFIED ARE NON-RETURNABLE		
	[] As drawn [] As marked		
	Signed: _____		Date: _____
Printed Name: _____			
LEAD TIME WILL START UPON RECEIPT OF SIGNED APPROVAL DRAWING			
DISTRIBUTOR'S NAME: VESTIL MANUFACTURING		P.O.# X	
DRAWN BY: KGH		DATE: 3/8/2018	
REFERENCE: X	SCALE: 1:24	SALES: X	
QUOTED LEAD TIME: X	QUOTE # X	FILE NAME: 50-007-030	

NATIONAL STANDARDS

This product is a rough terrain lift truck. The Industrial Truck Standards Development Foundation (ITSDF) publishes national standard ANSI/ITSDF B56.6 (the "Standard") on its website (www.itsdf.org). The standard is freely downloadable at <http://www.itsdf.org/cue/b56-standards.html>. Before putting your truck into service, acquire a copy of the Standard and apply all recommendations in Part II: For the User. If instructions provided in this manual conflict with instructions in the Standard, then you should apply the instructions in the Standard.

SIGNAL WORDS

SIGNAL WORDS in this manual draw the reader's attention to important safety-related messages.

DANGER

Identifies a hazardous situation which, if not avoided, **WILL** result in DEATH or SERIOUS INJURY. Use of this signal word is limited to the most extreme situations.

WARNING

Identifies a hazardous situation which, if not avoided, **COULD** result in DEATH or SERIOUS INJURY.

CAUTION

Indicates a hazardous situation which, if not avoided, **COULD** result in MINOR or MODERATE injury.

NOTICE

Identifies practices likely to result in product/property damage, such as operation that might damage the product.

SAFETY INSTRUCTIONS

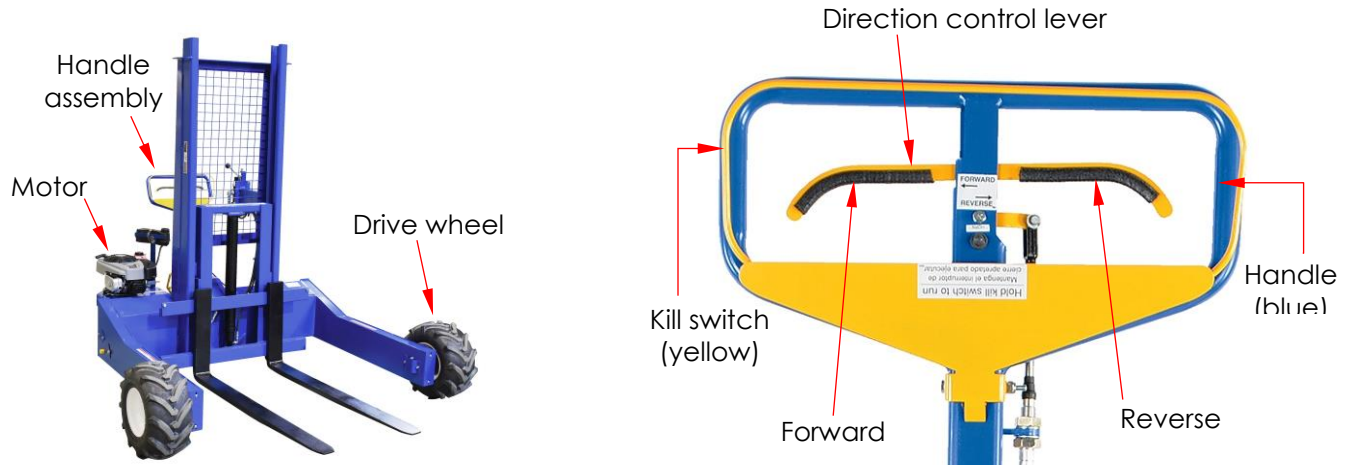
Vestil strives to identify all foreseeable hazards associated with the use of its products. However, material handling is dangerous and no manual can address every conceivable risk. The most effective means for preventing injury is the application of good judgment and common sense by the end-user.

WARNING

Serious personal injuries might result from improper or careless use of this product.

- Failure to read & understand the entire manual before using or servicing the product *is a misuse* of the product. Read the manual to refresh your understanding of proper use and maintenance procedures.
- An instruction manual for the gasoline motor is provided with this unit. Read the entire manual before operating the truck for the first time.
- DO NOT exceed the capacity of your unit. Capacity information is provided in the [Specifications](#) document page 2. The truck is also labeled with its capacity. See label 1110, [Labeling Diagram](#), p. 14.
- Inspect the truck as directed in [Inspections and Maintenance](#) on pages 5-6. DO NOT use the device unless it is in *satisfactory condition*. See [RECORD OF SATISFACTORY CONDITION](#) on p. 6.
- NEVER park the truck on sloped terrain. Only park on level ground. Always apply the parking brake whenever the truck is stopped.
- Only use this product to lift and move palletized loads.
- Completely engage loads with forks. Fork length should be *at least* two-thirds of length of the parallel dimension of the pallet.
- DO NOT allow people to ride on the truck or the load.
- Ascend and descend grades *slowly*. Do not traverse grades of more than 7%. The forks should only be raised as far as necessary to clear the road surface. Travel straight up and down the grade, i.e. avoid turning on grades. If your pallet truck is equipped with the powered tilt feature (-PT in model name), make sure that the carriage is *not* tilted forward whenever crossing grades. Traverse grades with the forks downgrade from you.
- If the load obstructs forward view, travel with the load trailing.
- Any load applied to the forks must be centered and evenly distributed on a pallet.
- Only use the truck if you are familiar with the controls. Start, stop, turn, and reverse directions smoothly to shifting the load. Sudden shifting could cause the load and truck to overturn.
- Reduce speed during turns. Turn slowly and carefully.
- Avoid running over loose objects on the roadway surface.
- DO NOT modify the truck in any way without express, written approval from Vestil. Unapproved modifications automatically void the [Limited Warranty](#) on p. 15 and might make the product unsafe to use.
- DO NOT use this product UNLESS every label shown in the [Labeling diagram](#) on p. 14 is in place, undamaged, and easily readable.

OPERATING THE TRUCK



Startup procedure

1. Find the choke and throttle controls for the motor. Apply the engine startup procedure in the motor manufacturer's instruction manual.
2. Squeeze the kill switch against the handle with one hand. Pull the motor starter cord with the other hand.
3. After the engine starts, set the choke switch to the open position and allow the engine to warm up for a few minutes.
4. Set the engine throttle to the desired speed. Increasing throttle increases speed and vice versa.

Propulsion (Driving the Truck)

- a. To move forward, squeeze the right side of the direction control lever towards the top of the handle. The further the lever is moved the faster the unit moves. Release the lever to stop.
- b. To move in reverse, squeeze the left side of the lever towards the top of the handle.
- c. Practice shifting between forward and reverse.

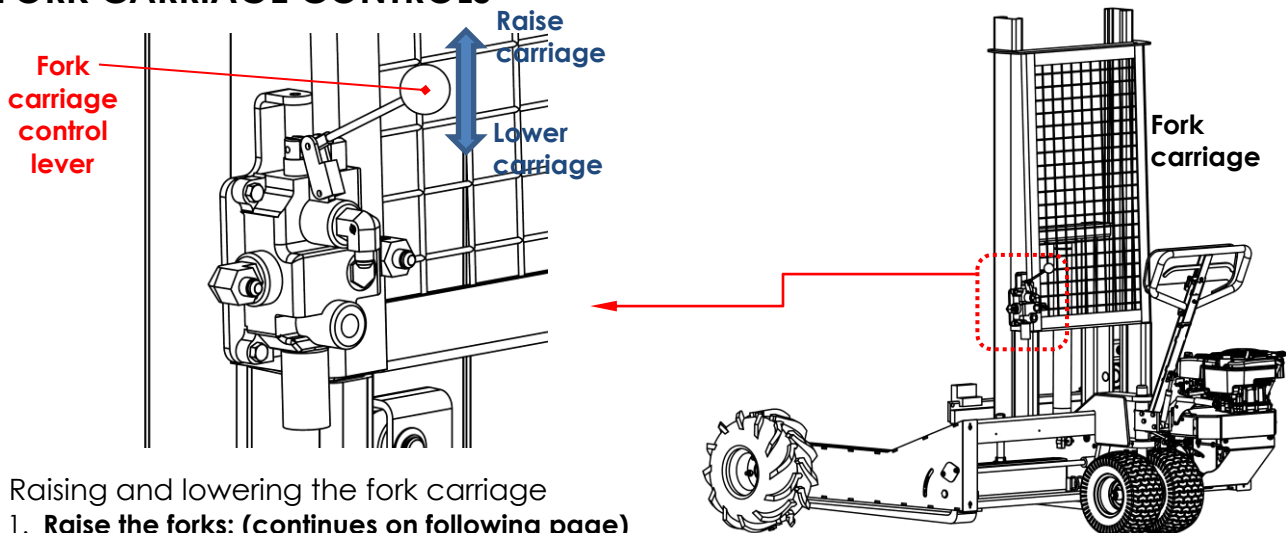
NOTE: Do not quickly shift from forward to reverse or vice versa. Sudden shifts damage the transaxle.

- d. When moving heavy loads, i.e. loads close to the unit's capacity, drive slowly. Driving slowly decreases the load on the engine.

Steering

Steer the unit by swinging the handle to one side or the other. While turning, the rpm's of the outer drive wheel increase and the rpm's of the inner drive wheel decrease. When turning sharply in one direction or the other, the difference between rpm's of the wheels is greater (i.e. the outer wheel turns much faster than the inner wheel).

FORK CARRIAGE CONTROLS



A. Raising and lowering the fork carriage

1. **Raise the forks: (continues on following page)**

- a. Grasp the knob of the fork carriage control lever and push it UP/towards the truck. The hydraulic cylinder extends and causes the carriage to rise.
- b. Releasing the lever causes the cylinder to stop extending. The cylinder maintains position wherever it stops. Release the control lever as soon as the desired load elevation is achieved.

NOTE: Do not continue to hold the control lever when the cylinder is completely extended. The hydraulic fluid could overheat and cause permanent damage to the hydraulic system.

2. **Lower the fork carriage:** The engine does not have to be running to lower the carriage.

- a. Pull the control lever DOWN.
- b. The carriage descends at a controlled speed. Releasing the lever causes the carriage to stop. It maintains position wherever it stops. Lowering speed is adjustable. However, the lowering speed is optimized at the factory. Do not change the lowering speed without approval from, and guidance by, [Technical Service](#). Technical Service contact information is provided on the cover page of this manual.

If the carriage lowers too quickly, a safety device in the cylinder, called a velocity fuse, closes. When the fuse is closed, hydraulic fluid cannot flow from the cylinder to the reservoir. The cylinder cannot retract and the carriage does not lower. If this happens, you must reset the velocity fuse by raising the hitch.

LIFTING AND TRANSPORTING LOADS

Before engaging the load:

1. Release the direction control lever.
2. Adjust the engine throttle to mid-speed.
3. Align the forks (on the carriage) with the fork channels in the pallet. The forks must be centered on the carriage.
4. Adjust the elevation of the forks with the Raise/Lower lever.

Mount the pallet on the forks:

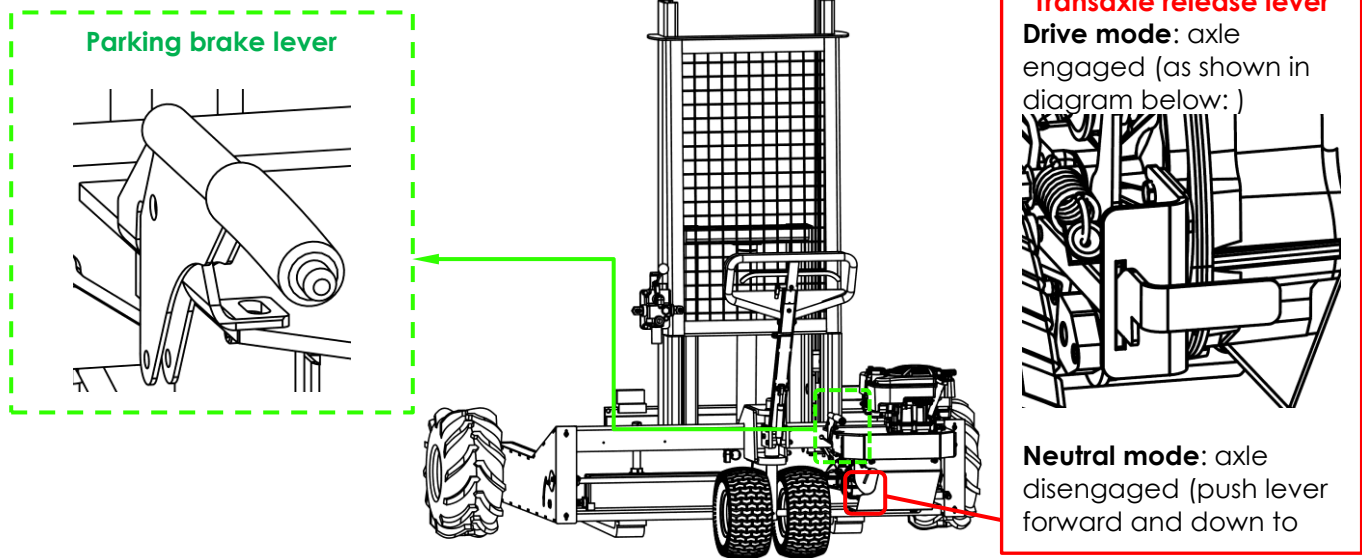
1. Drive forward and insert the forks through the pallet. Insert the forks all-the-way. Fork length should be *at least* $\frac{2}{3}$'s of the parallel dimension of the pallet.
2. Raise the forks to elevate the pallet a few inches above the ground. Do not raise the forks any higher than necessary.
3. Drive the load to the desired location. Instructions for driving and steering the truck are provided in [Operating the Truck](#) on p. 4.
4. Set the pallet on the ground by lowering the forks. When the pallet rests on the ground, extract the forks from the pallet by driving the truck in reverse.

PARKING BRAKE

This product is equipped with a parking brake. This brake should only be applied when the unit is stopped. Do not use the parking brake to slow the unit.

1. To apply the brake, pull the brake lever up.
2. Push the brake release button to disengage the brake.

NOTE: ONLY park the mover on level ground.



Unload the hydraulic system when you are finished using the truck by lowering the carriage all the way.

DISENGAGING THE TRANSMISSION (NEUTRAL MODE)

The unit can be moved manually by putting the transmission into neutral. This decouples the drive wheels from the transaxle. To put the transmission into neutral:

1. Locate the transaxle release lever.
2. Push the lever in and down until it seats inside the release bracket.

To put the transmission back into drive mode, lift the lever and pull it towards you.

RECORD OF SATISFACTORY CONDITION

Before using the product for the first time, make a record of its appearance and functions. Cycle the carriage/forks up and down. Describe the motion (e.g. smooth and at a uniform rate). Drive the unit in forward and in reverse. Describe the motion. Thoroughly photograph the unit from multiple angles including all labeling applied to it. Each feature listed in the *INSPECTIONS AND MAINTENANCE* section *Inspect the following* components should be photographed in detail. Describe where each label is located. Collate all photographs and writings into a file. Mark the file appropriately to identify it. **This files is a record of the truck in satisfactory condition.** Compare the results of all inspections to this record to determine if the unit is still in satisfactory condition. Do not use it unless it is in satisfactory condition. Purely cosmetic changes, like damaged paint/powder coat do not constitute changes from normal condition. However, touchup paint should be applied to all affected areas as soon as damage occurs. Contact **Technical Service** (contact information appears on the cover page) if you have questions that are not addressed in these instructions.

INSPECTIONS AND MAINTENANCE

NOTICE

Proper maintenance is essential to keep this product in satisfactory condition and to maximize the service life of the unit.

- o DO NOT fill the hydraulic system with brake fluid or jack oils. Only use anti-wear hydraulic oil, viscosity grade 150 SUS at 100°F (ISO 32cSt at 40°C) or Dexron transmission fluid.
- o Fill the engine with oil and gasoline as instructed in the manufacturer's manual. Perform maintenance on the engine as directed in that manual.

Inspect the following components:

1. Motor: Maintain the motor as instructed in the motor manufacturer's manual provided with the unit.

2. Drive chain (one for each drive wheel): every other oil change, inspect the chains. To access the chains, remove the cover plates fastened to both ends of the drive housing. Refer to the appropriate [Sprocket Drive Subassembly](#) on page 13.

- A. Check the tension of both chains. They should not be taut but also should not be so loose that they slap against the housing or jump on the sprockets. Adjust the chains by applying pressure to the hex head with a wrench while loosening the lock nut.
- B. Check set screws on the front and rear sprockets, drive shaft coupling, motor pulley, and pump pulley. Confirm that the set screws are tight. Tighten all loose screws. Apply thread locker to keep connections tight.
- C. The front wheel sprocket should line up with the axle sprocket
- D. Lubricate the drive chains with spray grease as needed, e.g. if the drive train becomes noisy.

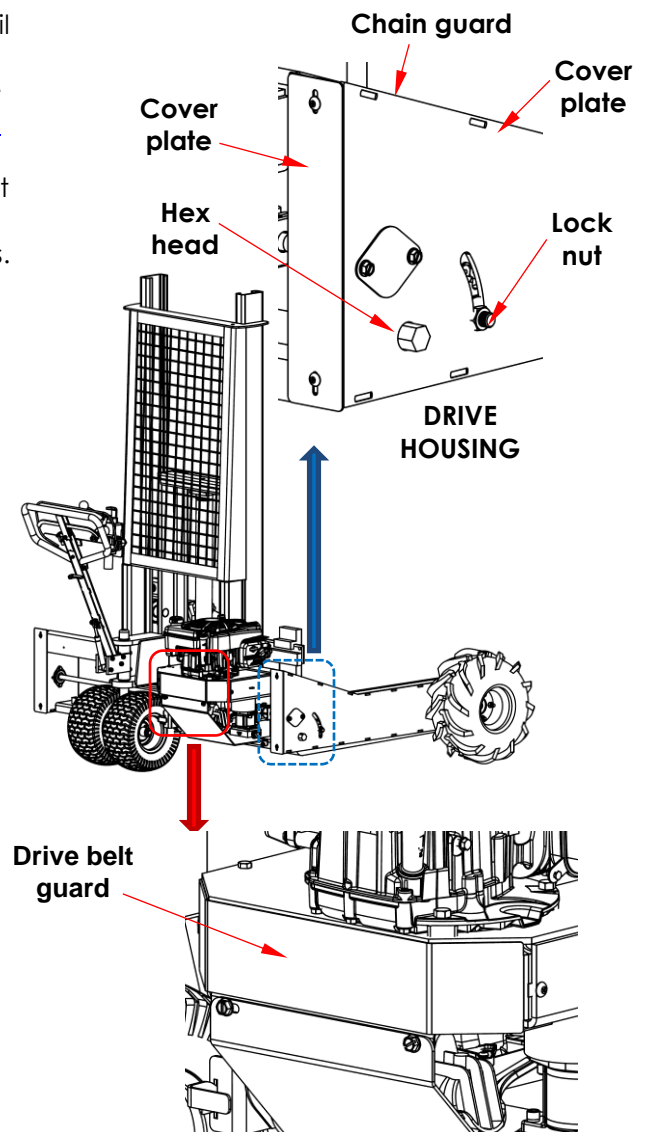
3. At least once per month, remove the drive belt guard. Determine the condition of the drive belt (*Exploded View and Bill of Materials* on pages 8- 9; part number 50-042-008) and drive pulley (part number 50-027-003). Unseat the belt from the drive pulley to relieve belt tension. Then, examine the pump assembly (part number 50-643-001) idler pulley on top of the pump as well as the pump bearings and shaft. Look for damage and significant wear. Replace any component, particularly the belt, which is significantly worn.

4. Check the hydraulic system.

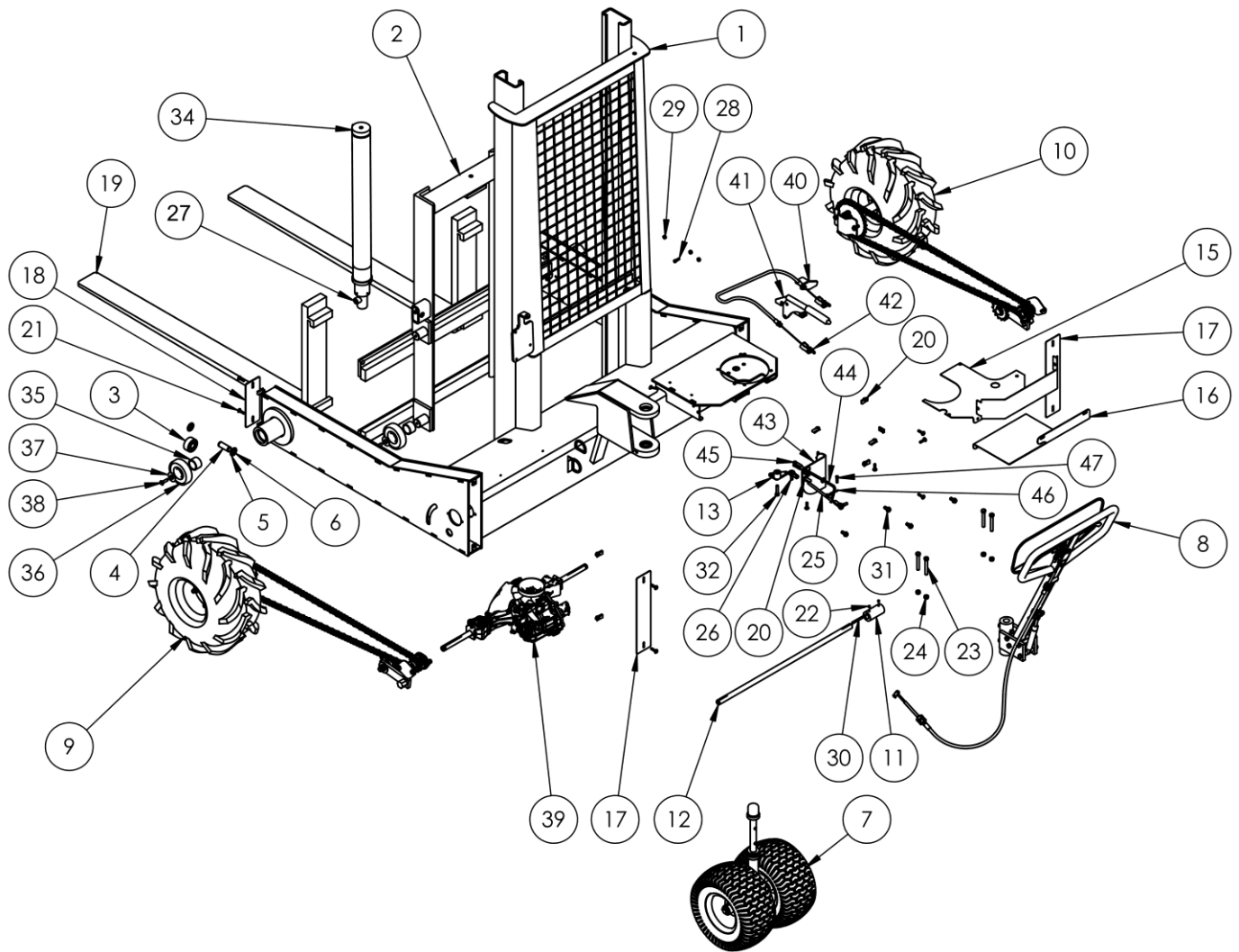
- a. Before each use:
 - i. Cycle the carriage all the way up and then all the way down. Movement should be smooth in both directions, i.e. no binding, jumps, skips.
 - ii. Check the hydraulic hoses for signs of wear, kinks, cuts, etc. Replace damaged hoses.
- b. At least once per month, examine the hydraulic oil. The oil reservoir is located next to the hydraulic pump. First, fully lower the carriage. Remove the brass fill plug from the top of the reservoir and examine the oil. Change the oil if it darkens, becomes gritty, or has a milky appearance (indicating that water is present). Replace the oil with AW-32 hydraulic fluid or its equivalent.
- c. Before each use,

5. Before each use make sure all labels are in place & in readable condition. See [Labeling diagram](#), p. 14.

6. Periodically clean dirt and debris from all surfaces to keep the finish in good condition. Store the unit indoors.



Exploded View and Bill of Materials 50-006-030-MANUAL



Bill of Materials on page 10

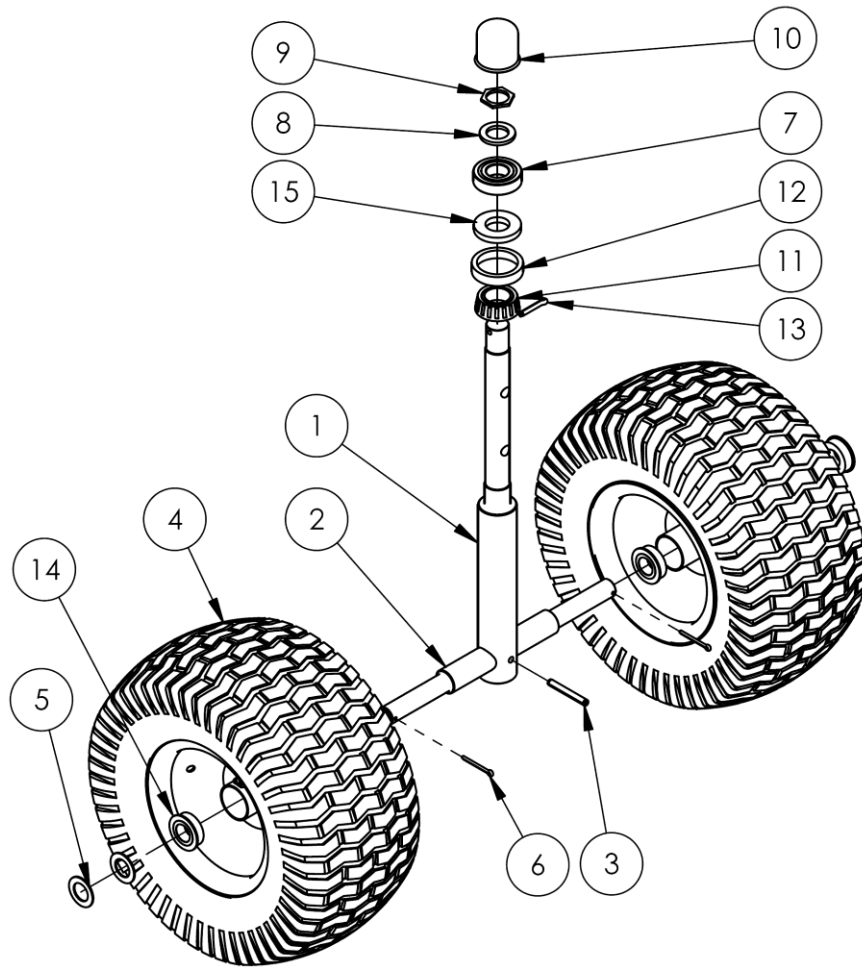
BILL OF MATERIALS (50-006-030-MANUAL)			
Item	Part no.	Description	Qty.
1	50-514-041	WELDMENT, FRAME	1
2	50-538-003	WELDMENT, CARRIAGE	1
3	20-110-009	BEARING, BALL	2
4	38-112-019	PIN, HINGE PIVOT	2
5	33424	MACHINE BUSHING, LOW CARBON, PLAIN FINISH, Ø3/4" X 18 GA	4
6	68015	EXTERNAL RETAINING RING,PHOSPHATE, 3/4"	4
•7	50-612-008	ASSEMBLY, AXLE, REAR WHEEL	1
••8	50-525-002	WELDMENT, STEER HANDLE	1
•••9	50-542-005	SUB-ASSEMBLY, SPROCKET, DRIVE, LEFT	1
••••10	50-542-006	SUB-ASSEMBLY, SPROCKET, DRIVE, RIGHT	1
11	50-145-002	COUPLER,DRIVE SHAFT COUPLING	1
12	50-026-002	SHAFT, DRIVE SHAFT	1
13	50-540-006	WELDMENT, SHIFTER PLATE	1
14	50-024-011	COVER, REAR BELT COVER	1
15	50-024-012	COVER, LOWER BELT COVER, FORMED	1
16	50-024-014	COVER, SKID PLATE	1
17	50-024-006	COVER, REAR LEG	2
18	50-024-016	COVER, LEG, FRONT	2
19	50-028-001	FORK	2
20	99-145-105	SPECIALTY HARDWARE, U-NUT, 1/4"-20	11
21	29185	SCREW, MACHINE, TRUSS HEAD	13
22	25326	SOCKET SET SCREW, BLACK OXIDE, 1/4-20 X 1/4"	2
23	11114	HHCS #2 Z PLATED, GRADE A, Ø3/8 - 16 x 2 3/4 LG	4
24	36106	HEX NUT, GRADE A, ZINC PLATED, 3/8-16	4
25	50-145-009	SPEC. HARDWARE, TRANSAXLE LINK, THREADED ROD	1
26	50-145-011	HARDWARE, INTERNALLY THREADED BALL JOINT LINKAGE	2
27	01-118-001	BOLT, CYLINDER RETAINING	1
28	23203	SHCS, UTILITY GRADE, 1/4 - 20 x 3/4 LG.	1
29	36102	HEX NUT, GRADE A, ZINC PLATED, 1/4-20	3
30	50-130-006	PIN, KEY, AXLE EXTENSION	1
31	32416	THREAD CUTTING SCREW, SLOTTED, TYPE F, ZINC PLATED, 5/16-18 X 3/4	4
32	11059	Ø5/16-18 UNC x 1-1/2 LG, Z-PLATED, #2, GRADE A	1
33	99-145-104	SPECIALTY HARDWARE, U-NUT	2
34	99-021-912-001	CYLINDER, HYDRAULIC, Ø1 1/2" x 48", TELESCOPIC STYLE	1
35	38-113-005	SPACER	4
36	38-027-001	CARRIAGE, BEARING, ROLLER	4
37	38-024-015	ROLLER, END CAP	4
38	94257	FHSCS 5/16-18 x 1 1/4	4
39	50-112-022	TRANSAXLE, 3/4" SHAFT	1
40	50-016-071	BRACKET, BRAKE CABLE, FORMED	1
41	50-040-013	LEVER, BRAKE	1
42	50-145-013	HARDWARE, BRAKE CABLE	1
43	50-016-072	BRACKET, NEUTRAL, BRACKET FORMED	1
44	50-525-010	WELDMENT, HANDLE, DRIVE TO NEUTRAL	1
45	43520	ADJUSTABLE YOKE END, 2" X 7/16" X 5/8" X 1/4"-28	1
46	65012	COTTER PIN Z PLATED, Ø1/16 x 1/2 LG	1
47	66026	PIN, CLEVIS Ø1/4" x 1" LG.	1

- Item 4 shown in [Rear Wheel Axle Assembly Exploded View](#) on p. 10.
 - Item 6 shown in [Steering Handle Subassembly Exploded View](#) on p. 11.
 - Item 7 shown in [Sprocket Drive Subassembly, Left Side, Exploded Views](#) on p. 13.
 - Item 8 shown in [Sprocket Drive Subassembly, Right Side, Exploded Views](#) on p. 13.
- * Components of [Power Unit Subassembly 50-160-002](#) on p. 12.

Rear Wheel Axle Assembly Exploded View and Bill of Materials

50-612-008

Return to [p. 9](#).

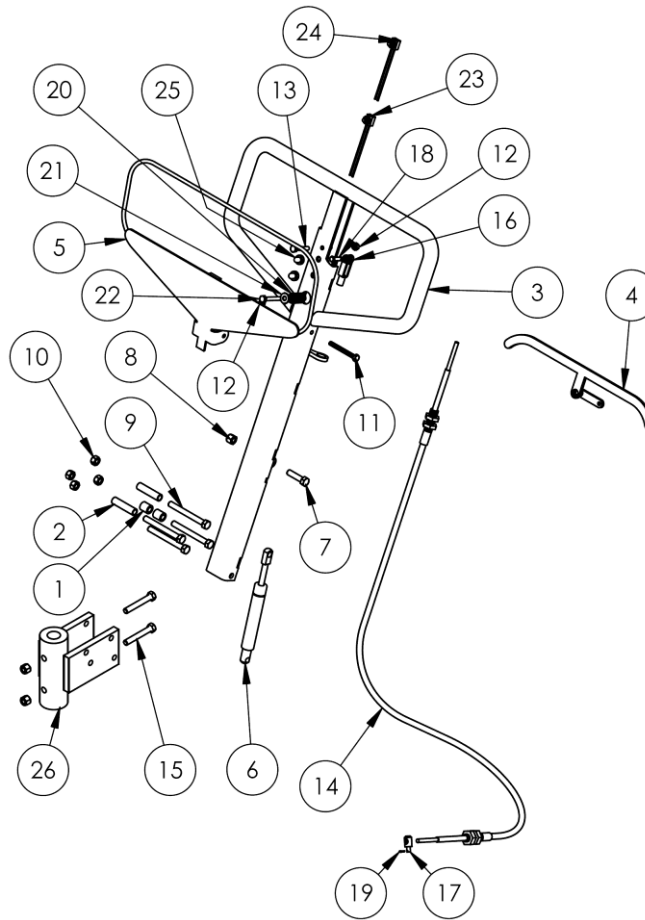


Item	Part no.	Description	Qty.
1	50-112-013	Pin, rear, king pin	1
2	50-112-014	Axle, rear	1
3	64255	1/4"x2" spring pin	1
4	16-132-235	Tire, rear, foam filled	2
5	33424	Machine bushing, low carbon, plain, 3/4"x18ga.	4
6	65078	Extended prong cotter pin, z-finish, 1/8"x1 1/2"	2
7	22-110-001	Bearing, upper steering	1
8	50-113-017	Shim, bearing spacer	1
9	50-113-014	Spacer, rear steering	1
10	50-145-010	Specialty hardware, cap, hex nut	1
11	50-110-002	Bearing, tapered	1
12	50-110-004	Bearing, cup	1
13	65124	Cotter pin, z-plated, 3/16"x1 1/4"	1
14	50-110-003	Bearing, ball, low speed, rear wheel	4
15	50-110-008	Bearing, seal	1

Steering Handle Subassembly Exploded View and Bill of Materials

50-525-002

Return to [p. 9](#)

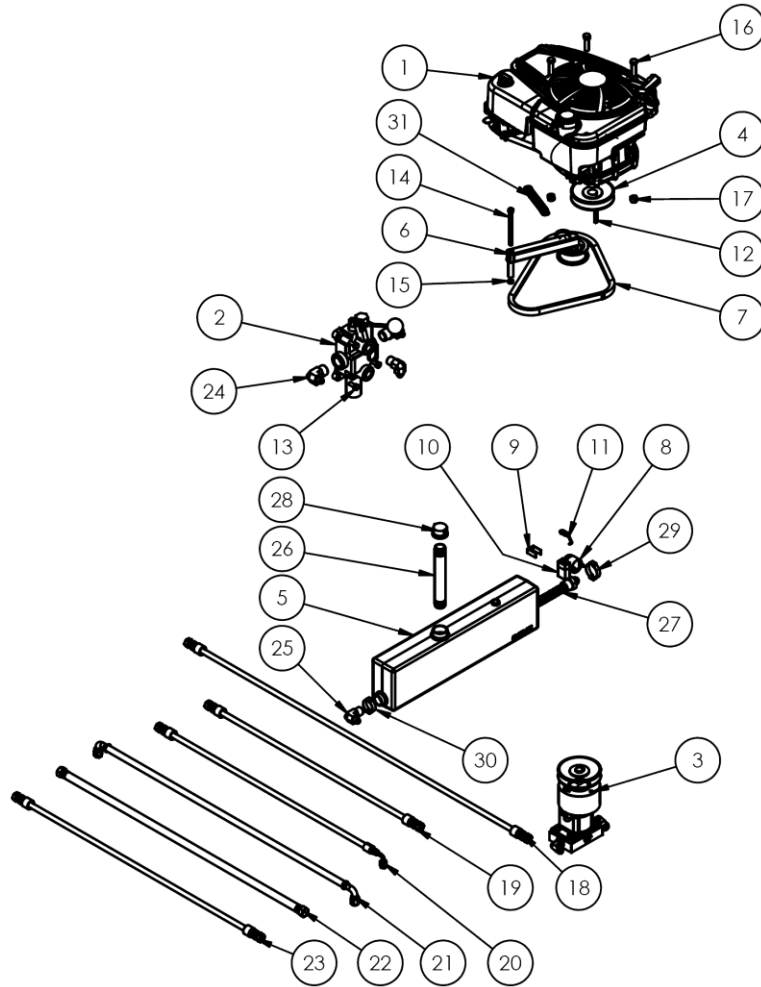


Item	Part no.	Description	Qty.	Item	Part no.	Description	Qty.
1	50-113-002	Spacer, air spring	2	14	50-145-003	Specialty hardware, shifter cable	1
2	50-113-03	Spacer, handle	2	15	11113	Hex bolt, gr. A, plain, 3/8"-16x2 1/2"	2
3	50-525-003	Weldment, steering handle	1	16	43520	Adjustable yoke end, 2"x7/16"x5/8"x1/4"-28	1
4	50-540-004	Weldment, shifter lever	1	17	50-120-001	Nut, brake	1
5	50-525-004	Weldment, safety bale	1	18	66026	Pin, clevis, 1/4"x1"	1
6	99-145-015	Specialty hardware, shock, tension	1	19	65012	Cotter pin, z-plated, 1/16"x1/2"	2
7	11109	Hex bolt, gr. A, zinc finish, 3/8"-16x 1 1/2"	1	20	50-146-002	Spring, kill switch	1
8	37024	Nylon insert lock nut, gr. 2, z-finish, 3/8"-16	3	21	33004	Flat washer, USS, z-plated, 1/4"	1
9	11117	Bolt, HHCS, #2, z-plated, 3/8"-16x3 1/2"	4	22	11010	Hex bolt, gr. A, z-plated, 1/4"-20x1 3/4"	1
10	36106	Hex nut, gr. A, z-plated, 3/8"-16	4	23	50-022-001	Switch, PB SPST, normally closed	1
11	11013	Bolt, HHCS, #2, z-plated, 1/4"-20x2 1/2"	1	24	50-022-002	Switch, PB SPST, normally open	1
12	37018	Nylon lock nut, gr. 2, z-finish, 1/4"-20	3	25	50-034-001	Boot, switch	2
13	11009	Hex bolt, gr. A, z-plated, 1/4"-16x1 1/2"	1	26	50-514-040	Weldment, frame, handle mount	1

Power Unit Subassembly Exploded View and Bill of Materials

50-160-002 Rev. B

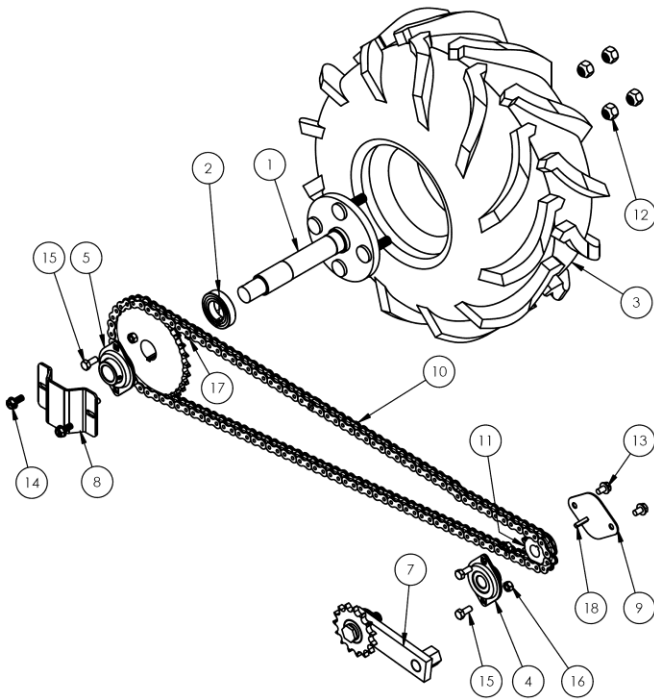
[Return to p. 10](#)



Item	Part no.	Description	Qty.	Item	Part no.	Description	Qty.
1	99-159-007	ENGINE, 190CC	1	17	37024	NYLON INSERT LOCK NUT, GRADE 2, ZINC FINISH, 3/8"-16	3
2	50-638-002	ASSEMBLY, T3 VALVE	1	18	50-623-009	HOSE, SUB-ASSEMBLY, CYLINDER	1
3	50-643-001	SUB-ASSEMBLY, PUMP HYDRAULIC GEAR	1	19	50-623-008	SUB-ASSEMBLY, HOSE, VALVE RETURN	1
4	50-027-003	PULLEY, ENGINE	1	20	50-623-010	SUB-ASSEMBLY, HOSE, PUMP	1
5	50-523-001	SUB-ASSEMBLY, RESERVOIR	1	21	50-623-007	SUB-ASSEMBLY, HOSE, RETURN	1
6	50-540-003	ASSEMBLY, BELT TENSIONER	1	22	50-623-006	SUB-ASSEMBLY, HOSE, SUCTION	1
7	50-042-012	BELT, 1/2" x 36"	1	23	50-623-011	SUB-ASSEMBLY, HOSE, VALVE	1
8	99-034-134	HORN, ALL-T	1	24	99-116-074	FITTING, HYDRAULIC, 06MJ-12MP 90° ELBOW	2
9	50-034-003	ACCESSORIES, ELECTRICAL, 9V BATTERY CLIP	1	25	99-116-073	FITTING, HYDRAULIC, 06MJ-08MP 90° ELBOW	2
10	50-139-001	BATTERY, 9V	1	26	99-031-078	ACCESSORIES, PIPE, 3/4" NPT	1
11	50-034-002	ACCESSORIES, ELECTRICAL, 9V BATTERY SNAP	1	27	01-031-005	FILTER, RESERVOIR HYDRAULIC	1
12	99-130-001	PIN, KEYSTOCK	1	28	99-031-094	ACCESSORIES, CAP, 3/4"	1
13	11053	Ø 5/16 - 18 x 3/4 LG HHCS #2 Z-PLATED, GRADE A	3	29	99-031-095	ACCESSORIES, CLAMP, 2 EAR, Ø1 7/16"	1
14	11019	HEX BOLT, GRADE A, ZINC PLATED, 1/4" - 20 x 4"	1	30	99-031-096	ACCESSORIES, CLAMP, 2 EAR, Ø1 1/8"	1
15	37018	NYLON LOCK NUT, GRADE 2, ZINC FINISH, 1/4"-20	1	31	50-146-001	SPRING, EXTENSION	1
16	11109	HEX BOLT, GRADE A, ZINC FINISH, 3/8 - 16 x 1 1/2	3				

Sprocket Drive Subassembly, Right Side Exploded View and Bill of Materials

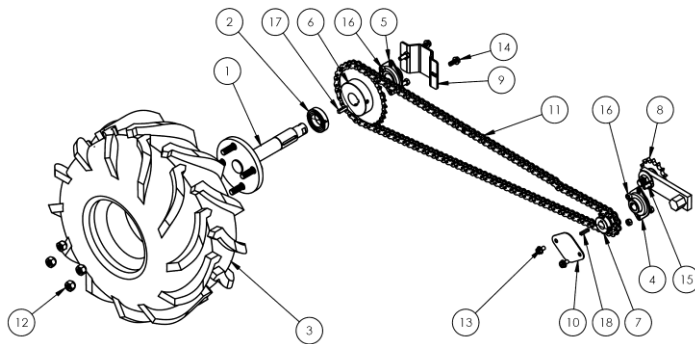
(50-542-006 on p. 9)



Item	Part no.	Description	Qty.
1	50-612-002	Assembly, front axle	1
2	15-110-001	Bearing, ball, front axle	1
3	16-132-229	Tire, front left, foam filled	1
4	50-042-004	Bearing, flanged, transaxle	1
5	50-110-001	Bearing, flange mount	1
6	50-042-005	Sprocket, roller chain, front wheel	1
7	50-540-008	Subassembly, chain tensioner	1
8	50-024-004	Cover, front axle skid plate	1
9	50-024-010	Cover, sprocket	1
10	50-145-006 50-145-007	Chain: ALL-T-2-GPT & ALL-T-4-GPT ALL-T-2-GPT-L & ALL-T-4-GPT-L	1 1
11	20-042-007	Sprocket, driver, #50, 10 tooth	1
12	50-120-005	Nut, front lug	4
13	32415	Thread cutting screw, type F, 5/16"-18 x 1/2"	2
14	32416	Thread cutting screw, slotted, type F, 5/16"-18 x 3/4"	2
15	11053	Bolt, HHCS, z-plated, 5/16"-18 x 3/4"	4
16	36104	Hex nut, gr. A, z-plated, 5/16"-18	4
17	99-130-003	Pin, key stock	1

Sprocket Drive Subassembly, Left Side Exploded View and Bill of Materials

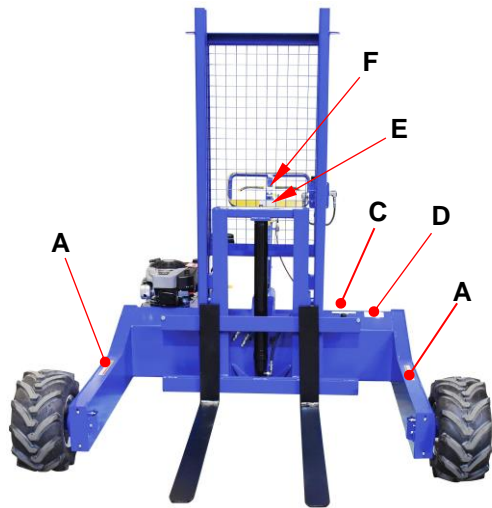
(50-542-005 on p. 9)



Item	Part no.	Description	Qty.
1	50-612-002	Assembly, front axle	1
2	15-110-001	Bearing, ball, front axle	1
3	16-132-231	Tire, front left, foam filled	1
4	50-042-004	Bearing, flanged, transaxle	1
5	50-110-001	Bearing, flange mount	1
6	50-042-005	Sprocket, roller chain, front wheel	1
7	50-024-007	Sprocket, roller chain, axle	1
8	50-540-008	Subassembly, chain tensioner	1
9	50-024-004	Cover, front axle skid plate	1
10	50-024-010	Cover, sprocket	1
11	50-145-006 50-145-007	Chain: ALL-T-2-GPT & ALL-T-4-GPT ALL-T-2-GPT-L & ALL-T-4-GPT-L	1 1
12	50-120-005	Nut, front lug	4
13	32415	Thread cutting screw, type F, 5/16"-18 x 1/2"	2
14	32416	Thread cutting screw, slotted, type F, 5/16"-18 x 3/4"	2
15	11053	Bolt, HHCS, z-plated, 5/16"-18 x 3/4"	4
16	36104	Hex nut, gr. A, z-plated, 5/16"-18	4
17	99-130-003	Pin, key stock	1
18	99-130-002	Pin, key stock	1

LABELING DIAGRAM

The unit should be labeled as shown in the diagrams. However, label content and location are subject to change so your product might not be labeled exactly as shown. Thoroughly photograph the unit when you first receive it as discussed in the *Record of Satisfactory Condition* portion of the *Inspections and Maintenance* section on p. 6-7. Make sure that your Record includes a photograph of each label. Replace all labels that are, or later become, damaged, missing, or not easily readable (e.g. faded). To order replacement labels, contact the technical service and parts department online at <https://www.vestil.com/page-parts-request.php>. Alternatively, you may request replacement parts and/or service by calling (260) 665-7586 and asking the operator to connect you to the *Parts Department*.



A: Label 220 on both legs and on drive belt guard (p. 8)

⚠ WARNING	⚠ ADVERTENCIA	⚠ AVERTISSEMENT
KEEP CLEAR WHEN IN USE	MANTENGASE ALEJADO CUANDO SE ESTA OPERANDO	SE TENIR À DISTANCE LORS DU FONCTIONNEMENT
		220 rev 0111

B: Label 1109 on back of carriage cross bar

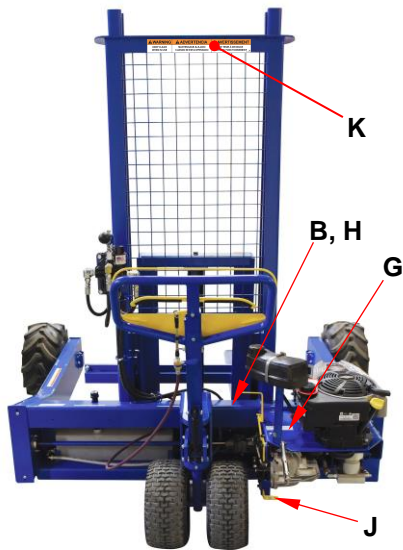
⚠ WARNING
Improper use of this machine might result in death or serious personal injuries.
<ul style="list-style-type: none"> • Read entire user manual before operating this machine • Only move stable, palletized loads. • Loads must be centered and evenly distributed on pallets. • DO NOT ride on machine or load. • DO NOT traverse grades of 7% or less. Ascent and descent grades slowly. DO NOT turn while traversing grades. ONLY traverse grades with forks downgrade from you. • Park this truck on level ground. DO NOT park on slopes. • Start, stop, turn, and change directions slowly and carefully. Reduce speed gradually. • Keep load as low as possible when traveling. • Avoid running over loose objects on roadway surface. • Completely engage load with forks.
1109

C: Label 206 on frame/oil tank close to oil fill cap

ISO 32 / 150 SUS
HYDRAULIC OIL OR NON-SYNTHETIC TRANSMISSION FLUID ACEITE HIDRAULICO O LIQUIDOS DE TRANSMISION NO SINTETICOS HUILE OU LIQUIDE HYDRAULIQUE NON-SYNTHEIQUE
206 rev 1023
VESTIL MANUFACTURING CORPORATION • Phone (260) 665-7586 • www.vestil.com

E: Label 834 on kill switch

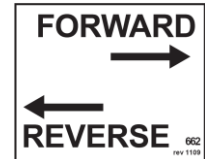
Hold kill switch to run
Mantenga el interruptor de cierre apretado para ejecutar



D: Label 1110 on frame/oil tank

Model.....	_____
Serial number	_____
Year of Manufacture	_____
Weight of machine (w/forks)	_____
Capacity.....	_____ lb. _____ kg
Capacity with forks at max. elevation w/ load laterally centered.....	_____ lb. _____ kg
Vestil Manufacturing Corp. 2999 N. Wayne St., P.O. Box 507, Angola, IN USA 46703	
	1110

F: Label 662 on handle by direction control lever



G: Label 835 on frame by parking brake

PARKING BRAKE
FRENO DE PARKING
835

H: Label 696 on frame by motor

⚠ DANGER
Engine operation produces carbon monoxide. ONLY OPERATE engine in well ventilated areas. TURN OFF engine when not in use.
696 rev 1109

J: Label 661 (not shown in diagrams) on transaxle release lever

PRESS FOR NEUTRAL
661

K: Label 220 on frame by motor

⚠ WARNING	⚠ ADVERTENCIA	⚠ AVERTISSEMENT
KEEP CLEAR WHEN IN USE	MANTENGASE ALEJADO CUANDO SE ESTA OPERANDO	SE TENIR À DISTANCE LORS DU FONCTIONNEMENT
		220 rev 0111

LIMITED WARRANTY

Vestil Manufacturing Co. ("Vestil") warrants this product to be free of defects in material and workmanship during the warranty period. Our warranty obligation is to provide a replacement for a defective, original part covered by the warranty after we receive a proper request from the Warrantee (you) for warranty service.

Who may request service?

Only a warrantee may request service. You are a warrantee if you purchased the product from Vestil or from an authorized distributor AND Vestil has been fully paid.

Definition of "original part"?

An original part is a part used to make the product as shipped to the Warrantee.

What is a "proper request"?

A request for warranty service is proper if Vestil receives: 1) a photocopy of the Customer Invoice that displays the shipping date; AND 2) a written request for warranty service including your name and phone number. Send requests by one of the following methods:

<u>US Mail</u>	<u>Fax</u>	<u>Email</u>
Vestil Manufacturing Company 2999 North Wayne Street, PO Box 507 Angola, IN 46703	(260) 665-1339 <u>Phone</u> (260) 665-7586	info@vestil.com Enter "Warranty service request" in subject field.

In the written request, list the parts believed to be defective and include the address where replacements should be delivered. After Vestil receives your request for warranty service, an authorized representative will contact you to determine whether your claim is covered by the warranty. Before providing warranty service, Vestil will require you to send the entire product, or just the defective part (or parts), to its facility in Angola, IN.

What is covered under the warranty?

The warranty covers defects in the following original, dynamic parts: motors, hydraulic pumps, motor controllers, and cylinders. It also covers defects in original parts that wear under normal usage conditions ("wearing parts"), such as bearings, hoses, wheels, seals, brushes, and batteries.

How long is the warranty period?

The warranty period for original dynamic components is 1 year. For wearing parts, the warranty period is 90 days. Both warranty periods begin on the date Vestil ships the product to the Warrantee. If the product was purchased from an authorized distributor, the periods begin when the distributor ships the product. Vestil may, at its sole discretion, extend a warranty period for products shipped from authorized distributors by up to 30 days to account for shipping time.

If a defective part is covered by the warranty, what will Vestil do to correct the problem?

Vestil will provide an appropriate replacement for any covered part. An authorized representative of Vestil will contact you to discuss your claim.

What is not covered by the warranty?

The Warrantee (you) are responsible for paying labor costs and freight costs to return the product to Vestil for warranty service.

Events that automatically void this Limited Warranty.

- Misuse;
- Negligent assembly, installation, operation or repair;
- Installation/use in corrosive environments;
- Inadequate or improper maintenance;
- Damage sustained during shipping;
- Collisions or other accidents that damage the product;
- Unauthorized modifications: Do not modify the product IN ANY WAY without first receiving written authorization from Vestil.

Do any other warranties apply to the product?

Vestil Manufacturing Co. makes no other express warranties. All implied warranties are disclaimed to the extent allowed by law. Any implied warranty not disclaimed is limited in scope to the terms of this Limited Warranty. Vestil makes no warranty or representation that this product complies with any state or local design, performance, or safety code or standard. Noncompliance with any such code or standard is not a defect in material or workmanship.

