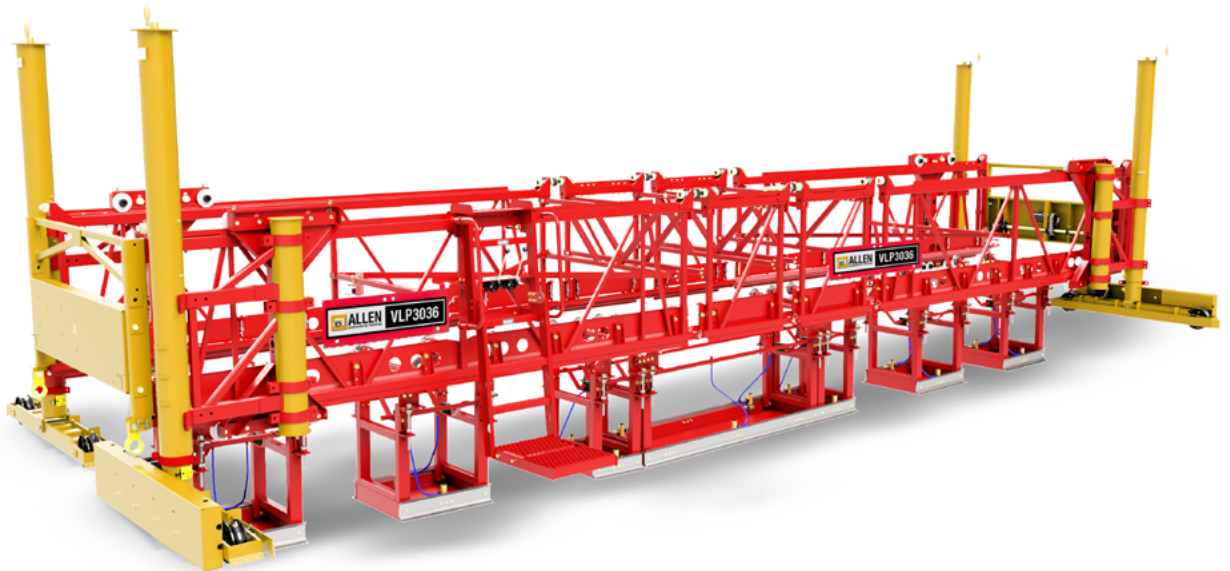


VERSATILE LIGHT PAVERS

VLP3036



SAFETY, OPERATIONS & PARTS MANUAL

Manual Part #: 073423 | Revision: B
Language: English | Original Instructions



ALLEN
CONCRETE PAVERS

VERSATILE LIGHT PAVER

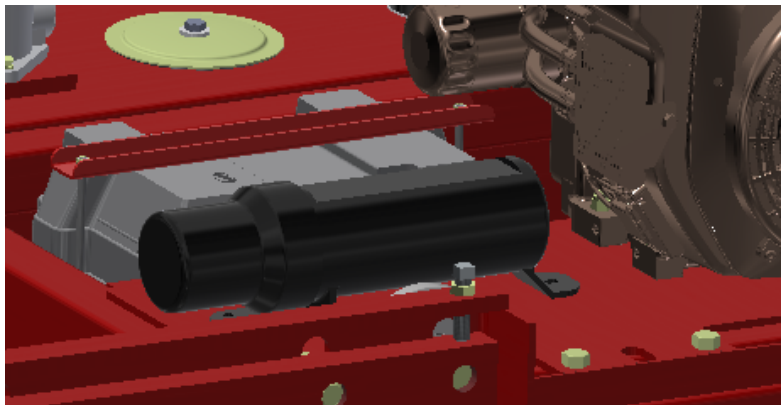
SAFETY, OPERATIONS & PARTS MANUAL

This manual covers the products listed below:

<u>Part No.</u>	<u>Description</u>
074800	Versatile Light Paver, 30ft Machine Length x 36in Frame Depth

NOTICE

This manual, or a copy of it, must be kept with the machine at all times.
There is a manual storage container located on the machine for your convenience.



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Allen Products are covered under one or more of the following patent numbers:

- **(Patents Pending for Machine)**

With other Patents Pending.

Printed in U.S.A.

Limited Warranty

GENERAL INFORMATION

Allen Engineering Corporation ("Allen") warrants its products to be free of defects in material or workmanship for:

TWO YEARS FROM END USER'S DATE OF PURCHASE

Warranty period begins on the date of purchase by the End User of the product. All warranty is based on the following limited warranty terms and conditions, including the disclaimer of implied warranties and consequential damages.



1. Allen's obligation and liability under this warranty is limited to repairing or replacing parts if, after Allen's inspection, there is determined to be a defect in material or workmanship. Allen reserves the choice to repair or replace.
2. If Allen chooses to replace the part, it will be at no cost to the customer and will be made available to the Allen Distributor, Dealer, or Rental Center from whom the End User purchased the product.
3. Replacement or repair parts, installed in the product, are warranted only for the remainder of warranty period of the product as though they were the original parts.
4. Allen does not warranty engines or batteries. Engine warranty claims should be made directly to an authorized factory service center for the particular engine manufacturer. Batteries are not warranted due to unknown treatment during transport, etc, and any battery claims should be directed to the battery manufacturer.
5. Allen's warranty does not cover the normal maintenance of products or its components (such as engine tuneups and oil & filter changes). The warranty also does not cover normal wear and tear items (such as belts and consumables).
6. Allen's warranty will be void if it is determined that the defect resulted from operator abuse, failure to perform normal maintenance on the product, modification to product, alterations or repairs made to the product without the written approval of Allen. Allen specifically excludes from warranty any damage to any trowels resulting from an impact to the rotors.
7. Impact damage to gear boxes is not covered under the Allen warranty and is deemed customer abuse.
8. Allen will pay shop labor on warranty items at the Allen Shop Labor Rate in existence on the date of the warranty claim. An Allen labor chart will determine the time allowed to complete a repair and will govern the shop labor hours that will be allowed.
9. Allen will pay freight on warranty replacement parts at worldwide standard ground rates. No warranty replacement parts will be shipped air freight at the expense of Allen. Allen only pays outbound freight charges when sending warranty replacement parts to the customer via ground service. Allen does not pay any inbound freight. However, if Allen determines this to be a warranted item, only then will Allen reimburse the customer for inbound freight at standard ground rates.
10. ALLEN ENGINEERING CORPORATION'S WARRANTY POLICY WILL NOT COVER THE FOLLOWING: TAXES; SHOP SUPPLIES; ENVIRONMENTAL SURCHARGES; AIR FREIGHT; TRAVEL TIME; LOSS OF TIME; INCONVENIENCE; LOSS OF RENTAL REVENUE; RENTAL COSTS OF EQUIPMENT USED TO REPLACE THE PRODUCT BEING REPAIRED; LOSS OF USE OF THE PRODUCT; COMMERCIAL LOSS; OR ANY OTHER CHARGES WHATSOEVER OR ANY LIABILITIES FOR DIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGE OR DELAY.
11. ALLEN ENGINEERING CORPORATION MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED. THIS LIMITED WARRANTY IS IN LIEU OF THE WARRANTY OF MERCHANTABILITY AND FITNESS. THERE ARE NO OTHER WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THIS DOCUMENT.
12. No Allen employee or representative is authorized to change this warranty in any way or grant any other warranty unless such change is made in writing and signed by an officer of Allen Engineering Corporation.

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This manual provides information and procedures to safely operate and maintain the Allen Machine.

For your own safety and protection from personal injury, carefully read, understand, and observe the safety instructions described in this manual. Keep this manual or a copy of it with the machine at all times.

Always operate this machine in accordance with the instructions described in this manual. A well maintained piece of equipment will provide many years of trouble free operation.

This manual is divided into the following sections:

**SECTION 1
SAFETY**

**SECTION 2
OPERATIONS**

**SECTION 3
SERVICE**

**SECTION 4
PARTS**

Complete any warranty requirements as specified by the engine manufacturer in their instructions found inside the manual tube.

Your engine and clutch is not manufactured by Allen Engineering Corporation, Inc, and therefore is not covered under Allen Engineering Corporation, Inc warranty.

Your engine manufacturer should be contacted if you wish to purchase a parts manual or a repair manual for your engine.

Refer to enclosed owners engine manual for complete O&M instructions. See your battery manufacturer for battery warranty.

Section 4 - Parts, contain illustrated parts lists for help in ordering replacement parts for your machine. Follow the instructions below when ordering parts to ensure prompt and accurate delivery:

1. All orders for service parts - include the serial number for the machine. Shipment will be delayed if this information is not available.
2. Include correct description and part number from Section 4 - Parts.
3. Specify exact shipping instructions, including the preferred routing and complete destination address.
4. **DO NOT** return parts to AEC without receiving written authorization from AEC. All authorized returns must be shipped pre-paid.
5. When placing an order, please contact the AEC Customer Service Team.



ALL INFORMATION, SPECIFICATIONS, AND ILLUSTRATIONS IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE AND ARE BASED ON THE LATEST INFORMATION AT THE TIME OF PUBLICATION.

GENERAL INFORMATION

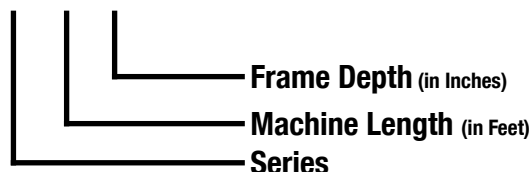
Model Number / Serial Number Unit Identification

Manufacturer's Codes:

When ordering parts or requesting service information, you will always be asked to specify the model and serial numbers of the machine. The legends below specifically defines each significant character or group of characters of the Model Number and Serial Number codes.

Model Number

VLP 30 36

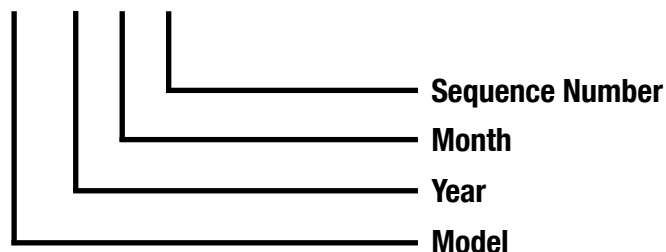


Serial Number

The serial number found on the identification plate is a ten digit format. The model number identifies your machine and will ensure that you receive the correct replacement parts.

Serial Number Example

3036 21 03 01



Unit Identification Plate Location:

An identification plate listing the model number and the serial number is attached to each unit and is located near the directional controls on the mainframe. Refer below for serial number and model number location. This plate should not be removed at any time.

Please record the information found on this plate below so it will be available should the identification plate become lost or damaged. When ordering parts or requesting service information, you will always be asked to specify the model and serial numbers of the machine.

FILL IN FOR FUTURE REFERENCE

Model Number: _____

Serial Number: _____

Date Purchased: _____

Purchased From: _____

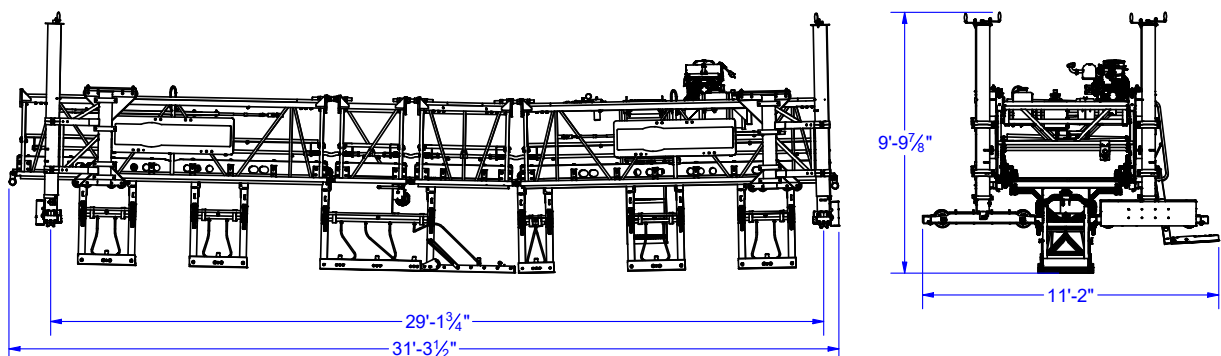
MODEL	 allen ENGINEERING CORPORATION P.O. BOX 619 PARAGOULD, AR. 72450, USA 800.643.0095 (USA ONLY) 870.236.7751 800.643.0097 (USA ONLY) 870.236.3934 WWW.ALLENENG.COM
PART NUMBER	
POWER	
WEIGHT	
SERIAL NO.	
PRODUCTION DATE (MM.DD.YYYY)	

Piston Vibrators

- Vibration Proof welds with exclusive vibration-Dampening System.
- Bolt-on blades with quick connecting splice plates front and back at each profile using 1/2"-13 nuts and bolts throughout.
- Top pipe coupling system provides for crowned or invert slab section without loosening bottom splice blade bolts. Special crowns or inverts are obtainable with ball joint top pipe coupler or crown inverts bracket. Crowns greater than 1/8" per foot are considered special.
- **Vibrators:**
 - Naval Bronze Piston Pneumatic Vibrator
 - Rebuildable
 - Rust-Resistant
 - One Moving Part
 - Fatigue Proof Air Fitting
 - Weight: 2.42 pounds
 - Piston: 1" Diameter with unbalanced travel
 - Air Consumption: 4.0CFM @ 60 PSI
 - Vibrations per minute: 9500 @ 60 PSI
- Exclusive 3-Bolt attaching bracket using high strength fine thread double nut vibrator bolt with 2 each 1/12" Bracket Bolts
- Vibratory Supply Air Supply - 200 PSI with Push lock fittings.
- Full flow 1" air flow system, Includes:
 - Air Connecting Hose to Screed
 - Off/On Valve Also Used as Volume Flow Valve
 - Air Gauge
 - In-Line 1" Mist Lubricator Provides Adjustable Lubrication
 - Top Dome Sight Drip Glass
 - Fill Cap
 - 1 Quart Capacity Steel Body with Sight Glass for Lubrication Oil.
- Lubrication Mist Lube, NR88, or Allen Air Lube; aft Dextron II is allowable for intermittent use.

Overall Machine Dimensions

(This is an example of a machine configurations. Configurations may vary)



**GENERAL
INFORMATION**

Engine Specifications

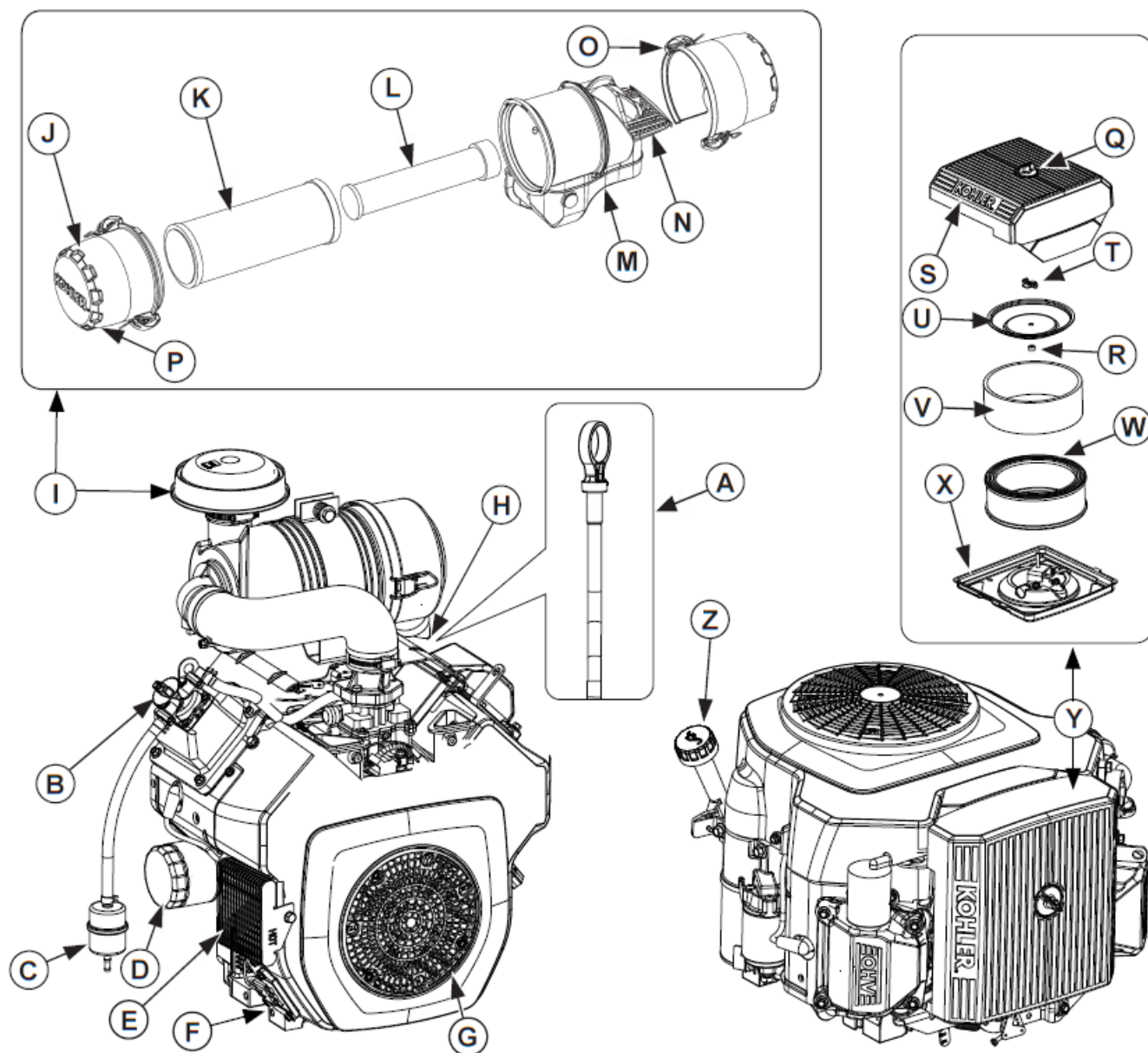
Kohler Engine Information

Model:	CH730
Fuel Type:	Gasoline
Horsepower [KW]:	23.5 [17.5]
Number of Cylinders:	2
RPM:	3600
Bore x Stroke, in. [mm]:	3.3 x 2.6 [83 x 67]
Displacement, in ³ [cc]:	44.0 [725]
Compression Ratio:	9.0:1
Engine Oil Capacity in quarts:	2 (1.9)
Dry Weight, lbs:	94
Dimensions:	
• Length, in.:	14.0
• Width, in.:	17.7
• Height, in.:	19.0



Engine Parts

GENERAL INFORMATION



REF.	PART NAME
A	Dipstick
B	Oil Fill
C	Fuel Filter
D	Oil Filter
E	Oil Cooler
F	Oil Drain Plug
G	Debris Screen
H	Dust Ejection Valve
I	Heavy-Duty Air Cleaner

REF.	PART NAME
J	End Cap
K	Element
L	Inner Element
M	Air Cleaner Housing
N	Inlet Screen
O	Retaining Clip
P	Ejector Area
Q	Air Cleaner Knob
R	Rubber Seal

REF.	PART NAME
S	Air Cleaner Cover
T	Wing Nut
U	Element Cover
V	Precleaner
W	Paper Element
X	Air Cleaner Base
Y	Low-Profile Air Cleaner
Z	Oil Fill / Dipstick

SECTION 1

SAFETY

SECTION 1 SAFETY

Federal / State Warning Regulations

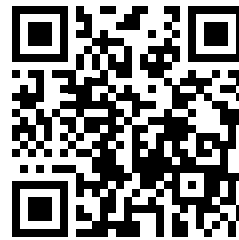


RESPIRATORY HAZARDS

Grinding/cutting/drilling of masonry, concrete, metal and other materials can generate dust, mists and fumes containing chemicals known to cause serious or fatal injury or illness, such as respiratory disease, cancer, birth defects or other reproductive harm.

SILICOSIS WARNING

Grinding/cutting/drilling of masonry, concrete, metal and other materials with silica in their composition may give off dust or mists containing crystalline silica.



For more information
regarding Prop 65,
please scan QR code.

CALIFORNIA PROPOSITION 65 WARNING

Gasoline engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

Safety-Alert Signs

This manual contains Safety-Alert Signs, as defined below, which must be followed to reduce the possibility of improper service damage to the equipment or personal injury. Read and follow all Safety-Alert Signs included in this manual.



NOTE defines an operating procedure, condition, etc. which is essential to highlight that contains useful or important information.



EMERGENCY is used for the identification of safety equipment, first aid, or emergency egress locations.



NOTICE used to convey safety information on labels and signs.



CAUTION is indicative of a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.



WARNING Indicative of a potentially hazardous situations that could result in death or serious injury




DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury

SECTION 1 SAFETY

Spark Arrestor Notice







⚠ WARNING ⚠ ADVERTENCIA



Operation of this equipment may create sparks that can start fires around dry vegetation. A spark arrestor may be required. The operator should contact local fire agencies for laws or regulations relating to fire prevention requirements.

El funcionamiento de este equipo puede producir chispas que pueden iniciar incendios en vegetación seca. Un supresor de chispas puede ser necesario. El operador debe comunicarse con las agencias locales de bomberos para las leyes o reglamentos relativos a los requisitos de prevención de incendios.

Some states require that in certain locations arrestors be used on internal combustion engines. A spark arrestor is a device designed to prevent the discharge of spark or flames from the engine exhaust. It is often required when operating equipment on forested land to prevent the risk of fires. Consult the engine distributor or local authorities and make sure that you comply with regulations regarding spark arrestors.

Symbol	Safety Hazard
	Lethal exhaust gas hazards
	Explosive fuel hazards
	Burn hazards
	Rotating parts/crush hazards
	Pressurized fluid hazards
	Hydraulic fluid hazards

Potential hazards associated with the operation of this equipment will be referenced with hazard symbols which may appear throughout this manual in conjunction with safety notes.



Familiarity and proper training are required for the safe operation of this equipment! Equipment operated improperly or by untrained personnel can be dangerous! Read the operating instructions contained in both this manual and the engine manual and familiarize yourself with the location and proper use of all controls.

- **NEVER** operate this machine in applications for which it is not intended.
- **NEVER** operate this machine while under the influence of drugs or alcohol.
- **NEVER** allow anyone to operate this equipment without proper training. People operating this equipment must be familiar with the risks and hazards associated with it.
- **NEVER** touch the engine or muffler while the engine is on or immediately after it has been turned off. These areas get hot and may cause burns.
- **NEVER** use accessories or attachments that are not recommended by AEC. Damage to equipment and injury to the user may result.
- **NEVER** operate the machine with guards missing. Exposed drive belt and pulleys create potentially dangerous hazards that can cause serious injuries.
- **NEVER** leave machine running unattended.
- **DO NOT** run the machine indoors or in an enclosed area such as a deep trench unless adequate ventilation, through such items as exhaust fans or hoses, is provided. Exhaust gas from the engine contains poisonous carbon monoxide gas; exposure to carbon monoxide can cause loss of consciousness and may lead to death.
- **ALWAYS** remain aware of moving parts and keep hands, feet, and loose clothing away from the moving parts of the equipment.
- **ALWAYS** keep hands, feet, and loose clothing away from moving parts of the machine.
- **ALWAYS** read, understand, and follow procedures in the Operator's Manual before attempting to operate the equipment.
- **ALWAYS** be sure operator is familiar with proper safety precautions and operation techniques before using machine.
- **ALWAYS** close fuel valve on engines equipped with one when machine is not being operated.
- **ALWAYS** store the equipment properly when it is not being used. Equipment should be stored in a clean, dry location out of the reach of children.
- **ALWAYS** operate the machine with all safety devices and guards in place and in working order.

SECTION 1 SAFETY

Engine Safety



Internal combustion engines present special hazards during operation and fueling. Read and follow the warning instructions in the engine owner's manual and the safety guidelines below. Failure to follow the warnings and safety guidelines could result in severe injury or death.

- **DO NOT** run the machine indoors or in an enclosed area such as a deep trench unless adequate ventilation, through such items as exhaust fans or hoses, is provided. Exhaust gas from the engine contains poisonous carbon monoxide gas; exposure to carbon monoxide can cause loss of consciousness and may lead to death.
- **DO NOT** smoke while operating the machine.
- **DO NOT** smoke when refueling the engine.
- **DO NOT** refuel a hot or running engine.
- **DO NOT** refuel the engine near an open flame.
- **DO NOT** spill fuel when refueling the engine.
- **DO NOT** run the engine near open flames.
- **ALWAYS** refill the fuel tank in a well-ventilated area.
- **ALWAYS** replace the fuel tank cap after refueling.
- **ALWAYS** keep the area around the muffler free of debris such as leaves, paper, cartons, etc. A hot muffler could ignite the debris and start a fire.



Poorly maintained equipment can become a safety hazard! In order for the equipment to operate safely and properly over a long period of time, periodic maintenance and occasional repairs are necessary.

- **ALWAYS** disconnect the battery before servicing the equipment.
- **DO NOT** attempt to clean or service the machine while it is running. Rotating parts can cause severe injury.
- **DO NOT** crank a flooded engine with the spark plug removed on gasoline-powered engines. Fuel trapped in the cylinder will squirt out the spark plug opening.
- **DO NOT** test for spark on gasoline-powered engines if the engine is flooded or the smell of gasoline is present. A stray spark could ignite the fumes.
- **DO NOT** use gasoline or other types of fuels or flammable solvents to clean parts, especially in enclosed areas. Fumes from fuels and solvents can become explosive.
- **ALWAYS** turn engine off and remove key from machine before performing maintenance or making repairs.
- **ALWAYS** handle blades carefully. The blades can develop sharp edges which can cause serious cuts.
- **ALWAYS** keep the area around the muffler free of debris such as leaves, paper, cartons, etc. A hot muffler could ignite the debris and start a fire.
- **ALWAYS** replace worn or damaged components with spare parts designed and recommended by AEC Corporation.
- **ALWAYS** disconnect the spark plug on machines equipped with gasoline engines, before servicing, to avoid accidental start-up.
- **ALWAYS** switch off the power supply at the battery disconnect before adjusting or maintaining the electrical equipment.
- **ALWAYS** keep the machine clean and labels legible. Replace all missing and hard-to read labels. Labels provide important operating instructions and warn of dangers and hazards.

SECTION 1 SAFETY

Lifting Safety

**ALWAYS DO A THOROUGH INSPECTION OF THE SLINGS, CHAINS, AND HOOKS
BEFORE ATTEMPTING TO LIFT THE MACHINE!**

OSHA has set forth guidelines which detail the use of Rigging Equipment for Material handling. This guideline is found under

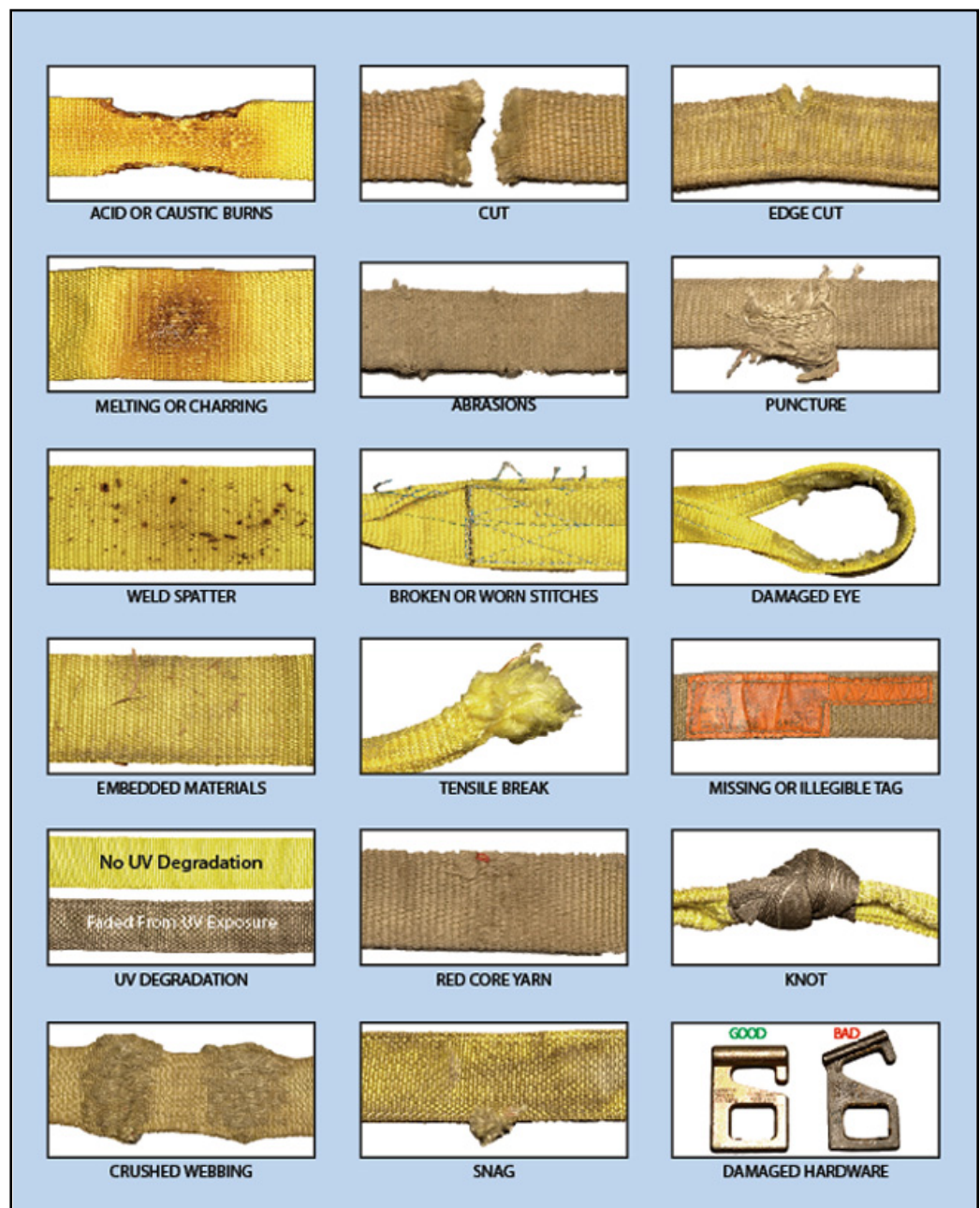
OSHA Standard Number: 1926.251

Please read and follow all guidelines found in this standard.

Removal from service.

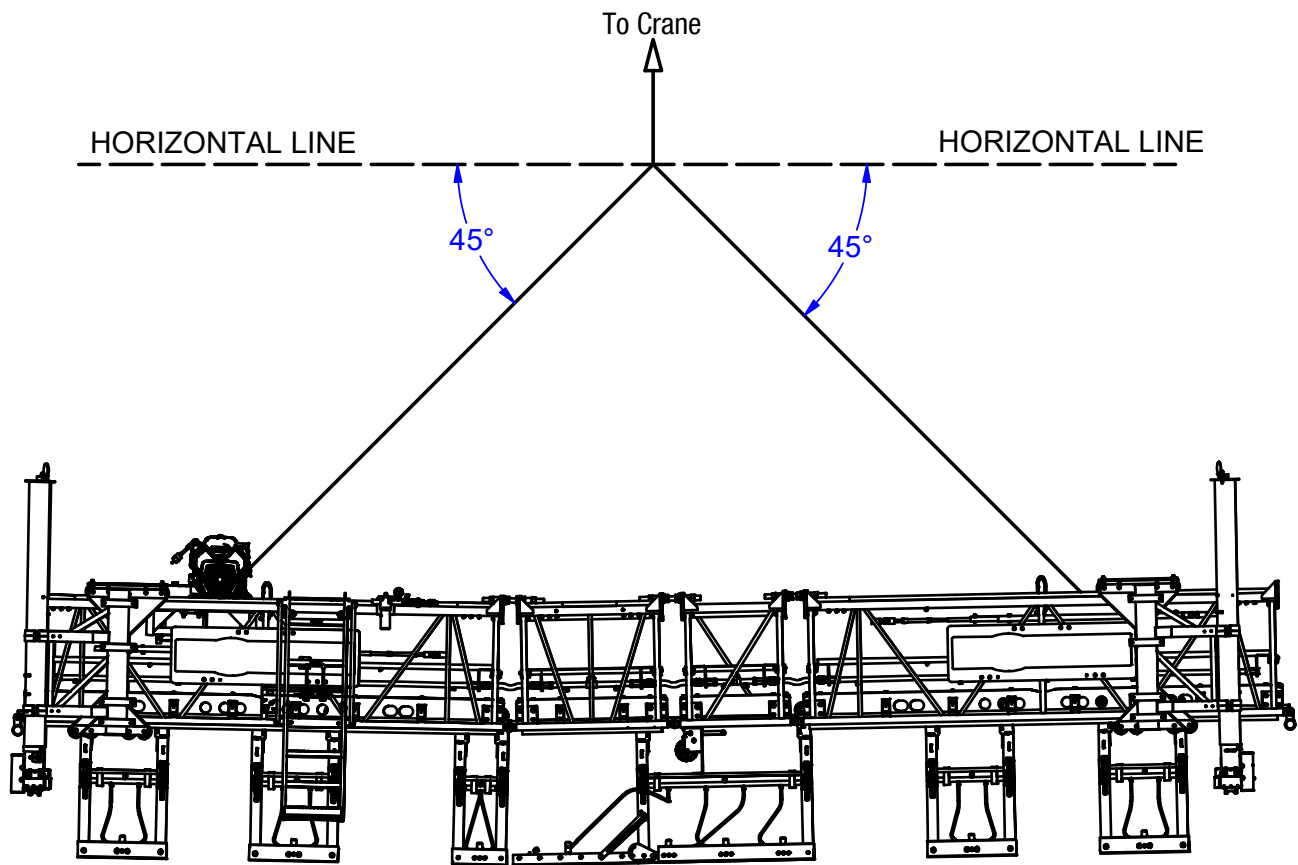
Synthetic web slings shall be immediately removed from service if any of the following conditions are present:

OSHA 1926.251(e)(8)



PLEASE CONSULT ON-SITE SAFETY COORDINATOR BEFORE ATTEMPTING TO LIFT MACHINE.
IMPROPER RIGGING AND LIFTING CAN RESULT IN **INJURY OR DEATH**.

BELOW IS AN EXAMPLE OF STRAP PLACEMENT AND LIFTING PRECEDURES, BUT THIS **SHOULD NOT** BE USED AS A GUIDE FOR LIFTING THE MACHINE!
(ON LONGER VLP, A SPREADER BEAM MAY BE REQUIRED.)



- Use extreme caution when lifting the VLP. Make sure the crane or lifting equipment has enough capacity to lift the weight of the machine. **Make sure all lifting apparatus, straps & cables are free from structural damage and are rated for the proper lifting capacity. SEE PREVIOUS PAGE FOR STRAP SAFETY.**
- Make sure ground personnel are clear of danger while machine is lifted.
- Lock all (4) legs prior to lifting machine. If loose, **they could roll and cause an unbalanced load or injury.**
- Do not allow the weight of the machine to rest on the paving profiles as damage may occur.
- **ALWAYS** attach **LONG** safety ropes or tag lines to the machine prior to lifting!
- **Position the straps or lifting cables so that the machine is balanced when lifted. The operator end with the platform & engine will always be the heavier end & the straps will need to be positioned to allow for the extra weight on one side.**
- Lifting straps are provided. Please be aware of the lifting capacity.
- Lifting angles should not be less than 45° from horizontal (See picture)
- If using a center cable, **CAUTION** should be taken when adjusting the length.

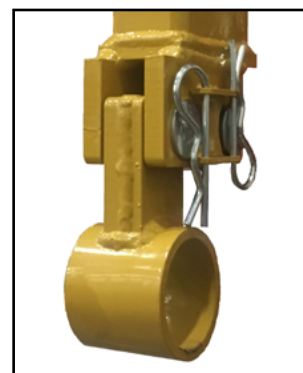
SECTION 1 SAFETY

Loading and Transportation Safety

- CHECK all height restrictions prior to loading the machine as all **Drop-Deck trailers and flat-bed trailers** have different dimensions. Paving profiles may need to be removed for legal transport. Tighten the leg clamps on the four legs (SEE PICTURE 1).
- **DO NOT secure the VLP to the trailer over the truss frame in the center of the machine.** Use the tie-down loops on the end frames (SEE PICTURE 2) of the machine using chains.
- Tighten the chains by pulling towards the center of the machine.
- When loading **with** Bogie Wheel Frames attached to the legs – **IT IS IMPORTANT** to keep the frame & bogies elevated above the trailer bed. Multiple 2 x 4's or a 4 x 4 block needs to be place in between the bogie wheels and under the bogie frame (SEE PICTURE 3). Screw or nail the wood to secure it to the truck bed.
- When loading **without** Bogie Wheel Frames - Place multiple 2 x 4's or a 4 x 4 the width of the trailer under the leg yokes on both ends of the machine (SEE PICTURE 4). Secure the wood by screwing or nailing it to the truck bed.



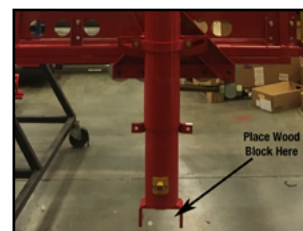
Picture 1



Picture 2



Picture 3



Picture 4

SECTION 2 OPERATION

SECTION 2 OPERATIONS

Introduction

This manual has been compiled to assist the owner/operator with the correct setup, operation and routine maintenance needed for the safe and efficient use of the Versatile Light Paver. In order to maximize the performance and efficiency of the Paver, it is VERY IMPORTANT that the owner/operator and maintenance personnel read this manual thoroughly before operating or servicing the machine. You should have a basic knowledge about the handling of concrete products and should be trained before operating this equipment. Always keep this manual in a convenient place for instant reference and never attempt to make repairs or adjustments that you do not fully understand. If you require any additional information or service do not hesitate to call the Allen Paver Service Department. (Tel: 800-643-0095 - Fax: 800-643-0097)

OPERATOR QUALIFICATION

Operation shall be limited to personnel with the following minimum qualifications:

1. Designated persons.
2. Trainees under the direct supervision of a designated person.
3. Maintenance and test personnel (when it is necessary in the performance of their duties).

Operators shall be required by the employer to pass a practical operating examination. Qualifications shall be limited to the specific type of equipment for which examined. Operators and operator trainees shall meet the following physical qualifications:

1. Vision of at least 20/30 Snellen in one eye and 20/50 in the other, with or without corrective lenses.
2. Ability to distinguish colors, regardless of position, if color differentiation is required for operation.
3. Adequate hearing, with or without hearing aid, for the specific operation.

Evidence of physical defects or emotional instability which could render a hazard to the operator or others, or which in the opinion of the examiner could interfere with the operator's performance, may be sufficient cause for disqualification. In such cases, specialized clinical or medical judgements and tests may be required.

Evidence that an operator is subject to seizures or loss of physical control shall be sufficient reason for disqualification. Specialized medical tests may be required to determine these conditions. Operators and operator trainees should have normal depth perception, field of vision, reaction time, manual dexterity, coordination and no tendencies to dizziness or similar characteristics.

In addition to the above listed requirements, the operator shall:

1. Demonstrate the ability to comprehend and interpret all labels, operator manuals, safety codes and other information pertinent to the operation of the paver.
2. Possess knowledge of emergency procedures and implementation of same.
3. Demonstrate to the employer the ability to operate the specific equipment.
4. Be familiar with applicable safety regulations.
5. Understand responsibility for maintenance requirements.
6. Understand the operating procedures as outlined by the manufacturer.

OPERATOR CONDUCT

1. The operator shall not engage in any practice which will divert his/her attention while actually engaged in operating the machine.
2. Each operator shall be responsible for those operations under the operator's direct control. Whenever there is any doubt as to safety, the operator shall consult with the supervisor.
3. If there is a warning sign on a switch, engine control or paver component, the operator shall not close the switch,

start the engine or use the component until the warning sign has been removed or acknowledged by the appointed person.

4. Before operating the paver, the operator shall see that all controls are in the “off” or neutral position and that all personnel are in the clear.
5. In accordance with OSHA regulations 1928.51 and 1928.52, operating instructions must be provided initially to operators/employees before allowing them to operate the paver and should be reviewed annually thereafter.

The most **IMPORTANT** safety device on this equipment is a well trained and safe operator. It is his/her responsibility to read and understand all safety and operating instructions in this manual. A person who has not read and understood all operating and safety instructions is not qualified to operate the paver. An untrained operator exposes himself/herself and bystanders to possible injury or death. All accidents can be avoided!!! **DO NOT** modify the paver in any way without consulting the factory. Unauthorized modification may impair function and/or safety and affect the working life of the equipment.

ALLEN ENGINEERING CORPORATION assumes NO LIABILITY for accidents or injury incurred through the improper use of this equipment.



The Safety Alert Symbol identifies important safety messages written on the paver decals, as well as, in this manual. When you see this symbol, be alert to possible danger that could result in serious injury or death.

Note the use of key signal words in association with the Safety Alert Symbol:

- **DANGER** - An immediate and specific hazard which will result in severe personal injury or death if the proper precautions are not taken.
- **WARNING** - A specific hazard or unsafe practice which could result in severe personal injury or death if proper precautions are not taken.
- **CAUTION** - Unsafe practices which could result in personal injury if proper precautions are not taken and as a reminder of good safety practices.

YOU are responsible for the safe operation and maintenance of your Allen Paver. You must ensure that you and anyone else who is going to operate, maintain or work around the machine be familiar with the operating and maintenance procedures and all related safety information contained in this manual.



GENERAL SAFETY PRECAUTIONS

1. Always read and fully understand the Operator's Manual and the Safety Decals on the machine before trying to operate or service this equipment.
2. It is wise to have a first aid kit available and to be familiar with its contents.

SECTION 2 OPERATIONS

Introduction

3. It is the customers responsibility to keep a “charged” fire extinguisher within reach whenever you work in an area where fire may occur. Also, be sure you have the correct type of extinguisher for your situation:
Type A: Wood, paper, textile and rubbish.
Type B: Flammable liquids.
Type C: Electrical equipment.
4. Be sure to wear safe work clothing. It should be well fitted and in good repair. Do not wear rings, wrist watches or loose fitting clothing when working on machinery, they could catch on moving parts causing serious injury. Wear sturdy, rough soled work shoes, safety glasses and any other protective gear that is warranted by the work environment.
5. Keep work area organized and clean. Wipe up oil spills of any kind. Keep tools and parts off floor. Eliminate the possibility of a fall which could result in serious injury.
6. Be sure to reinstall safety devices, guards or shields after adjusting and/or servicing the machine.
7. After servicing, be sure that all tools, parts or servicing equipment are removed from the vehicle or engine.
8. **Do not get into a rush!** Use recommended hand holds and steps with at least three points of support when getting on and off the paver. Keep steps, floors, hand holds and controls clean and free of grease. Face the machine when climbing up and down and never jump off the paver or dismount while it is in motion.
9. Keep all personnel clear of augers, rollers and carriage frame when operating the paver.
10. Do not permit riders on the paver.



HYDRAULIC SYSTEMS PRECAUTIONS

1. Make sure that all components are in good working condition. Replace any worn, cut, abraded, flattened or crimped hoses and metal lines.
2. Do not attempt makeshift repairs using tape, clamps or cements. The hydraulic system operates under extremely high pressure and such repairs could cause serious injury.
3. Wear proper hand and eye protection when searching for a high pressure leak. Use a piece of wood or cardboard as a back stop instead of hands to isolate and identify leaks.
4. If injured by concentrated high pressure steam or hydraulic fluid, seek medical attention immediately. Serious infections or toxic reaction can develop from hydraulic fluid penetrating the skin.



REFUELING PRECAUTIONS

1. When refueling, keep the hose nozzle or the funnel and container in contact with the metal of the fuel tank to avoid the possibility of an electrical spark igniting the fuel.
2. Do not overfill the fuel tank - overflow creates a fire hazard.
3. DO NOT SMOKE when refueling and never refuel when engine is running.
4. Prevent fires by keeping the machine clean of debris, grease and spilled fuel.



BATTERY PRECAUTIONS

1. Keep all sparks and flames away from battery, as gas given off by electrolyte is explosive.
2. If you come in contact with battery electrolyte solution wash off immediately.
3. Always disconnect the battery ground cable before working on the electrical system.
4. Do not tip battery more than 45 degrees to avoid electrolyte loss.



TRANSPORT PRECAUTIONS

1. Use extreme caution when lifting the machine. Make sure that the lifting device has enough capacity to lift the weight of the machine. Check all lifting cables, chains, clevises, cable clamps and spreader beams for any damage. Use ropes tied to the ends of the machine to prevent the machine from spinning. Keep all personnel away from the machine while it is being lifted.
2. Always comply with local regulations regarding moving equipment on public roads and highways.
3. Make sure that all lights and reflectors comply with state and local regulations. Make sure that they are clean, in good working order and can be seen clearly by all overtaking and on-coming traffic.



STORAGE PRECAUTIONS

1. Store paver in an area away from human activity.
2. Do not permit children to play on or around the stored paver.
3. Make sure the unit is stored in an area that is firm, level and free of debris.
4. Store the paver inside a building or cover securely with a weatherproof tarpaulin.



SAFETY DECALS

1. Keep Safety Decals and signs clean and legible at all times.
2. Replace decals and signs that are missing or become impossible to read.
3. When replacing parts that previously displayed a safety decal, be sure to replace the decal as well.
4. Obtain Safety Decals or signs from the Allen Parts and Service Department.
5. Become familiar with the content and the position of each Safety Decal. Important information is written on the decals.

BEFORE STARTING

- Make sure that bolts are secure and will not vibrate loose.
- Check jam nuts on top pipe to ensure that they are tight against the top pipe coupler.
- Check the hydraulic level in the tank for the hydraulic winches (if applicable)
- Check winch cables to make sure that they will not loosen during the screed run
- Look over the forms to check for unevenness so that the screed will not hang up

Ask yourselves these questions when preparing your VLP for a job

- What is the 'exact' pour width?
- What is the slump?
- Is the slab flat, crowned or inverted?
- What is the required surface tolerance?
- Are any accessories required?

SECTION 2 OPERATIONS

Controls

PAVER CONTROLS



Before starting engines read the engine starting instructions and all warning decals located on the operators console and at other key points on the machine.



Operator Platform

Platform can be located on any area of the machine. The hydraulic control levers maintain the speed & direction of travel

Machine travel is controlled from the operator's control platform. Optional accessories are also controlled from the operator's platform.

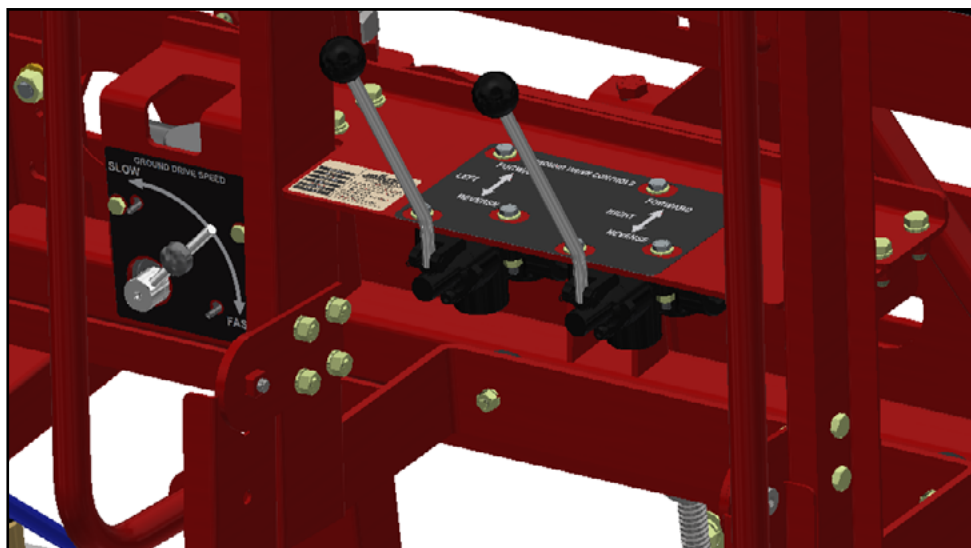


Powerful Engine

23.5HP Kohler Gas Engine provides power to move the machine. Diesel options are available

A. Machine Travel Direction Control - The two Machine Travel Direction Valves control the forward or reverse travel of the machine, one lever is for the drive bogie on the operator side of the machine and one lever is for the drive bogie on the idler end of the machine. With separate controls for each end, the machine is capable of steering around a radius.

B. Ground Drive Speed - The flow control valve can be adjusted to the desired speed of the machine to match the concrete delivery & placement and the desired finish of the concrete



The screed pipe rail provides the longitudinal profile of the paving surface and the proper set-up is as equally important as the machine operation.

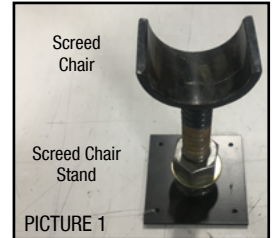
- The set-up is what determines the longitudinal profile of your roadway paving or bridge deck surface.
- There are two screed rail setups for bridges. The engineering specifications will determine if the VLP will ride on the pipe located on the edge forms or on the pipe located on the bridge girders.

FIRST TYPE OF BRIDGE DECK SET-UP:

- Look at the type and spacing of the overhang brackets if the machine is riding on forms and refer to the manufacturer's specifications for size of overhang brackets and spacing.
- The Rail position must be accurate and conform to the grade required. Allen Engineering recommends 2-inch schedule 80 pipe with a sleeve at one end to connect two sections of pipe together.
- 24 inches on center is the recommended spacing for the screed chairs. (Special situations may have a maximum 30 inches).
- The rails and chairs should be double checked after placing the machine on the deck.
- After the VLP has been set on the deck, it will need to run up and down to take out any timber crunch or settling of the form work.
- Double check the form-work again.

SECOND TYPE OF BRIDGE DECK SET-UP:

- When the machine is riding on bridge girders you will need to fabricate a screed chair stand that will be epoxied or welded to the beam or a girder plate (SEE PICTURE 1)
- We recommend you tie the vertical tube to the rebar mats for stability.
- The top of the vertical tube will be below the finished surface grade.
- The screed rail needs to be adjusted to conform to the longitudinal profile which can be accomplished in various ways.
- A folding ruler or tape measure with the use of a level can be used to determine the quarter points on the deck to the top of the screed rail.
- Pulling a string-line between the 2 points or measuring from the grade-line on the form to the top of the screed pipe to set the grade of the pipe.
- Remember this is just an initial setup at this time and the rails and chairs should be double checked after placing the machine on the deck.
- Double check the form-work again.



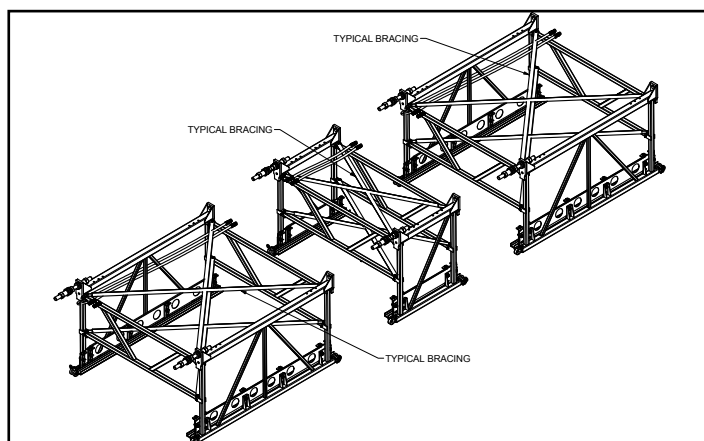
SECTION 2 OPERATIONS

VLP Assembly & Set-Up

Your VLP assembly process can be performed by a 2-3 person crew with the help of an Allen Field Technician. Typically: one operator and two ground people. A crane or capable lifting device will be required, along with an impact tool, crescent wrenches, socket set and various hand tools for the nuts & bolts assembly. Depending on the complexity of the project, this can/may take 1-3 days.

INSERT ASSEMBLY

- A level working area is required and necessary for the proper assembly of your VLP in a safe working environment.
 - Know where your invert (or crown) is located and what insert sizes will be needed for the proper assembly.
 - It may be required to assemble additional inserts separately.
 - To reduce machine frame stress, avoid extending to lengths greater than 80 feet. Extending past this point will put too much stress on the two end sections of the machine.
 - Roll up the hydraulic hoses that stretch across the top of the machine for the travel bogies & power legs (if equipped) on the idler end of the machine and place near the power unit end
 - Additional frame inserts are added to the machine after splitting the machine at the hinge point of the power unit section.
 - The power unit end needs to be supported at the hinge point with a structure made from scaffolding, barrel, I-Beams, 4x4's, etc.
- **PLEASE MAKE SURE the power unit end is secure and stable and the support is strong enough!**
 - Attached lifting straps to the idler end of the machine and remove the crown bolts at the top of the truss frame and the hinge pins on the bottom of the truss frame and can be placed out of the way for additional assembly.
 - Add the required insert sections for proper length & deck layout on the power unit insert and connect the idler end section of the machine.
 - Lubricate the crown bolt when attaching the inserts together.
 - The machine frame for the operator end needs to be secured under the frame and the weight **cannot be placed upon the paving profiles** otherwise **severe damage will occur.**



IF BOGIES WERE REMOVED FOR TRANSPORT:

- Raise the machine high enough to install the bogie frames onto the yokes at the base of the machine legs.
- Install the drive bogies on the rear side and the idler bogies on the front side of the machine
- The power bogie drive chain protection shield should be on the outside, but can be placed on the inside, depending on clearance.
- **PLEASE MAKE SURE all hoses are connected so that the direction of machine travel is as indicated on the control console.**
- It may be necessary to reverse the hose connections to correct the direction of travel.



Vertical Adjustment Cranks

Manual Leg adjustment ensures correct machine frame height & paving profiles are at proper elevation

MACHINE LEG ADJUSTMENT

- Adjust the machine leg distance to match the center to center distance between the pipe rails.
- Check and adjust the height of the legs so that the paving profiles will clear the deck rebar when the machine is placed on the rails.
- Check and adjust the height of the legs so that the VLP frame will clear the barrier rebar when the machine is placed on the rails.
- Position the bogie wheels for clearance of any reinforcing steel.

SQUARING TRUSS

- After the machine has been placed on the pipe rails, check to make sure all four legs must be set to the same height to assure the truss does not have a twist in the frame
- Measure the distance between the bottom or top of the carriage rail and the top of the screed rail or paving form.
- Adjust the height using the machine leg cranks until all four corners are equal. (SEE PICTURE)

SECTION 2 OPERATIONS

VLP Assembly & Set-Up

STRAIGHTENING THE MACHINE

- Maximize machine weight by filling the gas and hydraulic tanks.
- Adjust the gap in between the frame sections by raising or lowering the machine truss by adjusting the crown bolts so that the distance matches top and bottom, also use line of sight or a string-line to make sure frame is straight. (SEE PICTURE)
- With the manual crown adjuster, both sides of the truss can be adjusted on either side by turning the nut (SEE PICTURE).



(Can also be configured as an invert)

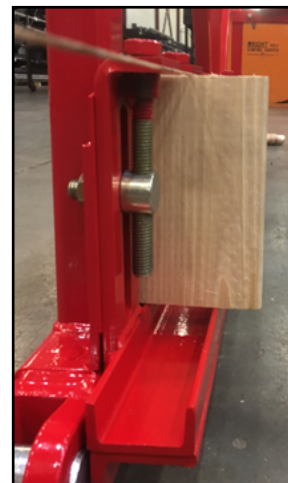
STRAIGHTENING CARRIAGE RAIL

- For string-lining the carriage rail, use nylon masonry line.

DANGER: USE ONLY STRING-LINE PROVIDED WITH VLP

- Attach the string-line. DO this step for both sides of the frame.
- Attach the string-line from eye bolt to eye bolt on each end of the VLP. These are located at the base of each end panel. DO this step for both sides of the frame.
- Tighten the string-line by pulling it taut with no sag. It may be necessary turn the eye-bolts to gain additional tension on the string (NO SAG)
- The carriage rail adjuster lock nuts need to be loosened to allow movement of the carriage rail. CAREFUL not to make them too loose.

- You will need (4) - 2" x 6" wood blocks, use the factory edge for the string-line to rest on & the other factory edge resting on the profile rail (SEE PICTURE).



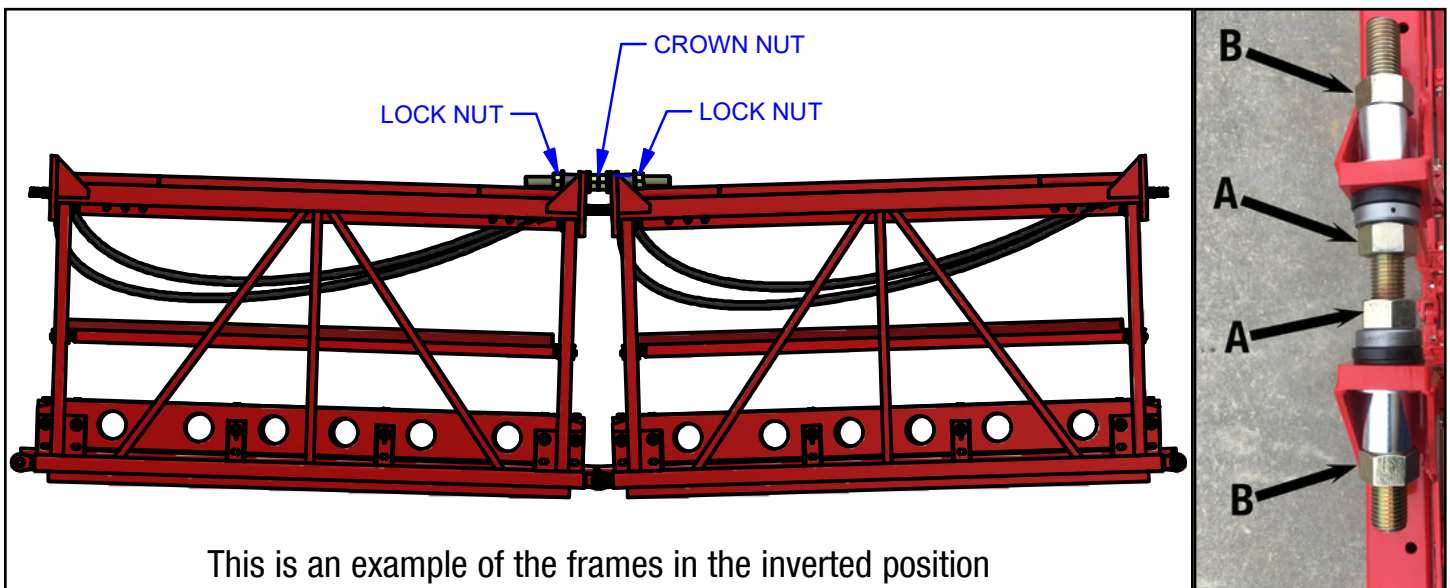
- Any number of items can be used to check the carriage rail height to the string-line – Wood block, chamfer strip, grade stake.
- Adjust the carriage rail holder bolt up or down so that the carriage rail matches the same height across the frame.
- When the carriage rail adjustment has been completed and looks straight, tighten all of the carriage rail locknuts. SAME ON BOTH SIDES.
- Measure the distance from the top of the carriage rail to the bottom of the paving profile which is top of concrete grade and make sure this is the same on all 4 corners.

MANUAL / POWER / CROWN BOLT ADJUSTMENT

- The insert frame section hinge point or truss connection should be positioned on the machine to coincide directly above the crown or invert center.
- Note the measurement from a grade point on the deck to the top of the carriage rail on both sides of the machine.
- The manual/power/crown bolts can be adjusted for the machine frame slope to the specified deck crown or center grade slope (1.5%, 2%, 2.5%...).
- For the crown bolts, adjust them $\frac{1}{2}$ " at a time and alternate sides (SEE PICTURE) which allows a slight shift with the angle change.
- Loosening lock nuts "B" on both sides, allows you to adjust the crown nuts "A" and vice versa.
- The frame adjustment is one of three adjustments, the carriage rail is another form of adjusting the elevation & the "fine tuning" is performed by turning the hand cranks on each paving profile for the final grade of the concrete surface.

SETTING THE MACHINE GRADE

- Position the machine so the paving profiles are over the top of an armor joint, bulkhead, expansion joint or end dam for the reference point to set the machine to grade.
- By adjusting the machine legs, raise/lower the machine so that the profiles are just touching or slightly above the reference points.
- If the grade of the profiles is correct, measure each of the (4) legs from the top of screed pipe to the carriage rail, these should be the same, but adjust the legs to correct any differences use the leg cranks or power up/down to correct any discrepancies.



SECTION 2 OPERATIONS

VLP Assembly & Set-Up

PERFORMING THE DRY RUN

- The operator can become familiar with the controls and the operation of the machine while performing the “Dry-Run”.
- The machine can travel up and down the deck to check armor joints, bulkheads, end dams, expansion joints. Depth checks and clearance over rebar by the inspecting personnel.
- Adjustments can be made, and typically it is in the screed pipe.

MACHINE PRE-POUR PROCEDURES

- Inspect, lubricate and grease all grease fittings and moving parts before placing any concrete.
- Coat the legs, paving profiles and frame with a protective coating on any part that will come in contact with wet concrete (**DO NOT USE FORM OIL OR DIESEL**)
- Use clean designated containers to add hydraulic fluid to the hydraulic tanks and keep any dirt or contaminants from getting into the hydraulic system, also, take care and clean all hydraulic fittings, quick dis-connects & components before any work performed.
- Follow MFG guidelines for engine services or maintenance.

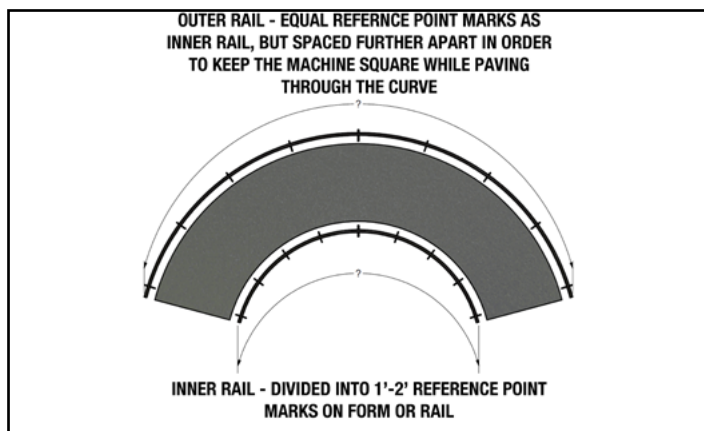
PAVING UP & DOWN GRADES

- The rear of the VLP may need to be raised higher (approximately 1/8” to 1/4”) when paving up a grade or slope.
- Check grade on the leading edge if the rear of the machine is raised.

PAVING CURVES

- Mark an equal number of spaces on the inner curve (1 to 2 feet spacing), know the length or distance of the inside.
- Count the number of spaces on the inner curve and mark the same number of spaces on the outer curve. The length of these spaces will vary with the length of the outer curve section (SEE PICTURE).

- To keep the machine square throughout the pour, the operator will at times place the machine direction control lever in the neutral position allowing a longer amount of travel for the outer curve end of the machine
- The front edge of the machine wheels of both the inner and outer ends needs to stay aligned with the marks

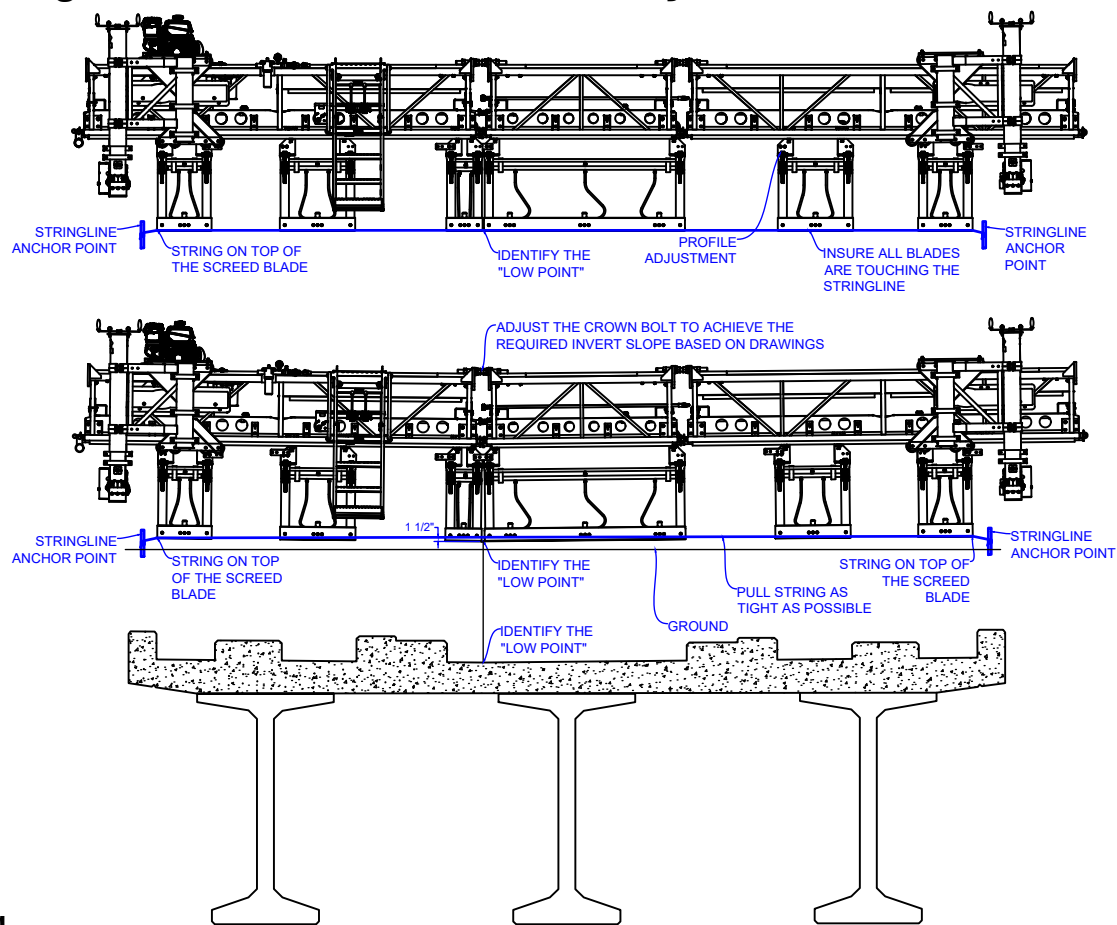


spaced on the inner & outer rail.

MACHINE ADVANCEMENT

- The operator will pace the machine travel advancement to coincide with the placement of the concrete,
- Place concrete no more than 5 to 8 feet in front of the machine.
- Always keep the deck wet.

NOTE: Images shown are for reference only.



String Lining

To string line your VLP, there are a few important steps that need to be followed.

1. With the machine on a level surface set leg height the same on all four legs for starting point to make sure there is no twist in the frame work.
2. Attach a string line to each end of machine at uppermost point of framework where adjustment bolts install and pull tight. With a tape measure or other measuring device make sure the distance between frame and string is the same for the entire length of the machine. If adjustments need to be made they will be made with the crown adjuster bolts that connect frame together.
3. Attach a string line to a connecting point at end of carriage rail on both ends of the machine and pull tight. With a tape measure or other measuring device check to ensure that you have the same distance between your string and your carriage rail down the entire length of machine. Adjustments are made at the rail adjustment bolts along frame once locking nuts are loosened on the outside of framework.
4. Set all profile adjusters to the same point (center works best to allow plenty of adjustment in either direction)
5. Attach string line to edge of profile pans on either end of machine and pull tight. Verify that the profiles match the string line. If any minor adjustments need to be made at this point make them in the profile adjusters.
6. Lower machine to grade point
7. If there is an invert, break the machine with the frame adjuster bolts to the desired percentage at drain line

NOTE: Always string-line your VLP prior to each pour to ensure proper profile elevation.

SECTION 2 OPERATIONS

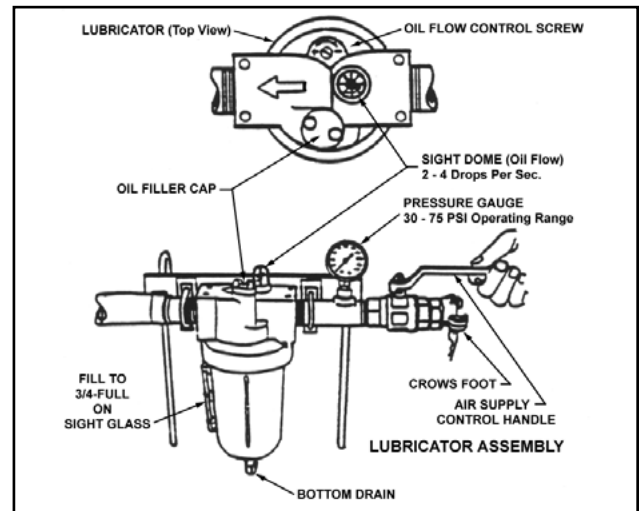
Lubricator Operation

The following illustrations explain the location and operation of the air lubrication system on your VLP. Follow instructions carefully to prevent mistakes that could cause problems in the air flow which could then destroy the vibrators.

Oil must be added to the lubricator prior to operation. Remove the oil filler cap, fill the lubricator 3/4 full with:

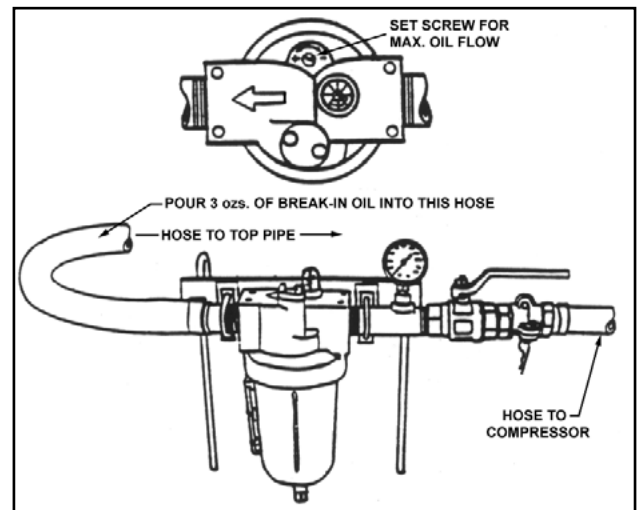
- ISO 22
- Air Tool Oil

Replace filler cap and tighten securely. Connect air supply hose from compressor to crows foot, attached to lubricator. For safety, always install hair pins when completing crows foot connections. Turn air supply control handle to "OPEN" position. Start compressor. After the machine vibrators are running, turn the air supply down slowly to operating pressure (30 - 75 PSI), check sight dome for proper oil flow (2 - 4 drops per second), turn screw counter-clockwise (+) for more oil, clockwise (-) for less oil. Do not turn screw too far in or out, this will shut off the oil completely. When oil flow is properly set, you are ready for the pour.



To Start Up New Machine:

- Make sure tape on all vibrators exhaust ports is removed
- Use special A88/NR Break-in Oil
- Pour about 3 ounces of break-in oil into hose from lubriator to top pipe crows foot connection
- Run screed with bursts of air, at intervals, until all vibrators are lubricating. You will see an air oil mist coming from the vibrators. Hold your hand at the exhaust ports. This mist should feel oily.
- Run vibrators 2 - 3 minutes at a time, up and down in pressure, for a total of 15 munites. This will seat the piston to the barrel inside the vibrator.



SECTION 3 SERVICE

Please contact AEC Product Support department if you have any questions regarding any service or maintenance of your VLP.

The following information contains the maintenance and operations procedure that must be adhered to improve the life of your machine. A well maintained piece of machinery will provide you years of satisfaction.

Daily Service:

- AFTER EACH POUR, clean the machine as soon as possible. (See Cleaning Procedure)
- Inspect engine hydraulic pump drive coupling for alignment and water.
- Check the engine oil level on the power unit.
- Inspect all hydraulic hoses for damage or leaks
- Check the battery water level on the power unit.

Engine Service:

Consult your Owner's Manual for recommended service procedures.

To insure the best engine performance and life, a strict schedule of routine service and maintenance is recommend- ed. **CHANGE THE ENGINE OIL AFTER THE FIRST 50 HOURS OF OPERATION AND EVERY 250 HOURS THEREAFTER.**

Check the level of hydraulic oil in the oil reservoir on a daily basis. Check the oil before starting the engine. Run the engine for a few minutes to purge any air from the

lines and then check the oil again. Maintain the oil level within 2 inches of full but leave at least 1 inch of air space for expansion. The reservoir level should be checked after hose length has been added and after the machine is lengthened. Approximately one gallon of hydraulic oil is required to fill 100 feet of 1/2" hose. Use AW-68 hydraulic fluid or Hydraulic Transmission Fluid Type C-2. Do not use engine oil. Use clean containers when adding hydraulic oil to the reservoir. Take every precaution, to avoid contaminating the oil in the system. Thoroughly clean all hydraulic components before loosening or removing for repairs.

THE HYDRAULIC OIL FILTER ELEMENT(S) SHOULD BE REPLACED WITH A 10 MICRON FILTER ELEMENT AFTER THE FIRST 50 HOURS OF OPERATION AND EVERY 250 HOURS THEREAFTER. REPLACE HYDRAULIC FILTERS EACH TIME THE HYDRAULIC OIL IS REPLACED.

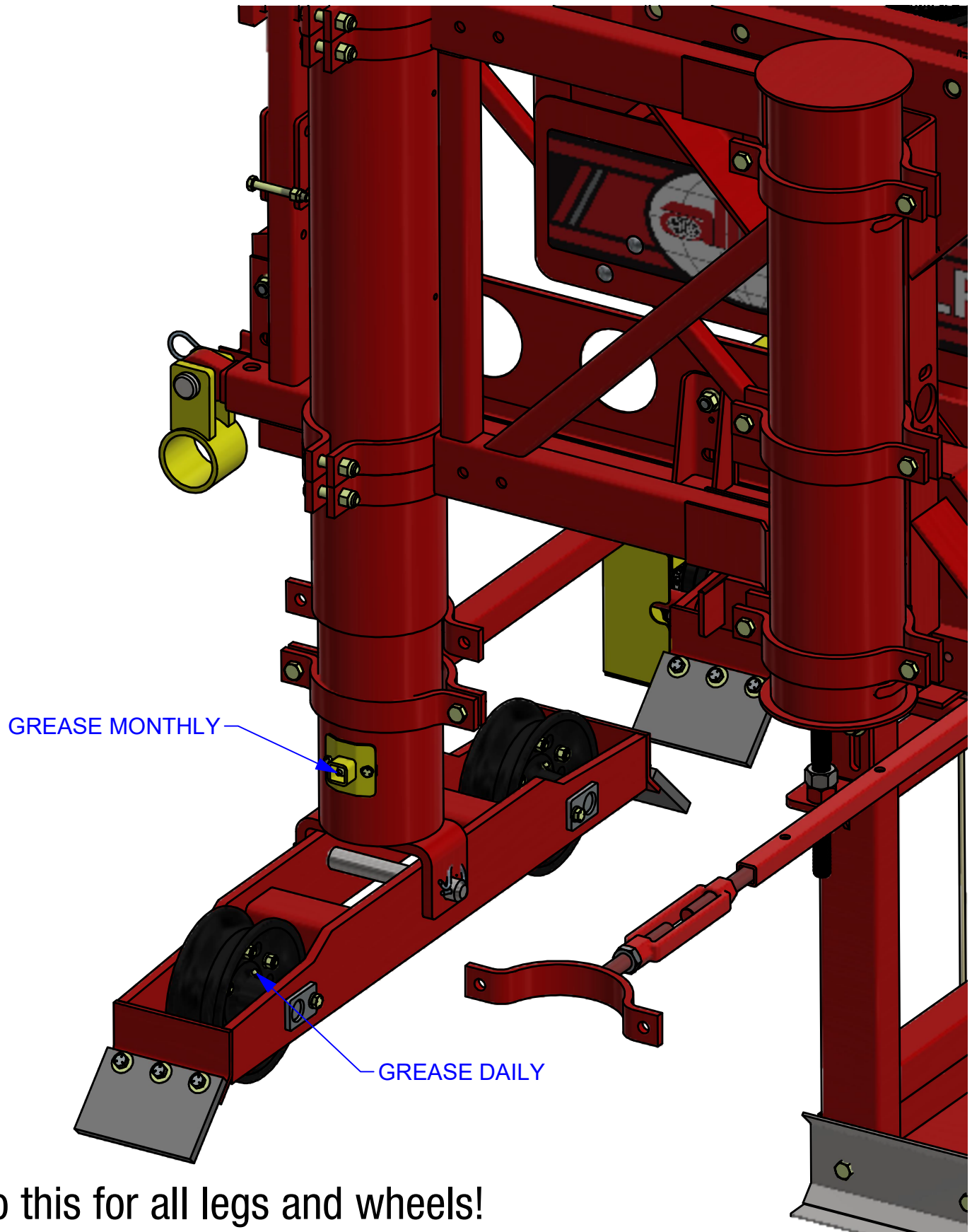
Before paving or transporting the machine, secure all hoses to keep them away from sharp edges and moving parts. Before connecting hoses clean the quick disconnects and fittings.

Lubrication Schedule

SECTION 3 SERVICE

LUBRICATION SCHEDULE		
DAILY		
POWER UNIT		
Hydraulic Oil Reservoir	Inspect	Engine Oil SAE 30, MS SD or SE - Add oil if necessary.
Engine Crankcase	Inspect	See engine manufacture recommendation - Add hydraulic oil if necessary.
Hydraulic Oil Reservoir	Inspect	68 Hydraulic Oil - Add hydraulic oil if necessary. Replace oil filter with a 10µm filter element after the first 50 hours and every 250 hours thereafter.
Engine Crankcase	Inspect	Replace oil filter with a 10 micron filter element after the first 50 hours and every 250 hours thereafter.
LEGS & TRAVEL BOGIES		
Power Leg Screws	Lubricate	NLGI-2 Lithium Base Grease - Lubricate slowly until excess lubricant is observed, approximately 5-6 pumps.
Bogie Wheels	Lubricate	NLGI-2 Lithium Base Grease - Extend Inner Leg 5 Inches. Apply 5 to 10 pumps of grease. Retract leg to its original position.
VIBRATION SYSTEM		
Vibrators	Lubricate	Check vibrator lubrication oil
Every 25 Hours		
POWER UNIT		
Engine Crankcase	Replace	Engine Oil SAE
LEGS & TRAVEL BOGIES		
Drive Bogie Axle Bearings	Lubricate	NLGI-2 Lithium Base Grease - Lubricate slowly until excess lubricant is observed.
Bogie Drive Chains	Lubricate	Chain Lube
AS REQUIRED (AT LEAST ONCE A YEAR)		
POWER UNIT		
Hydraulic Oil Reservoir	Replace	68 Hydraulic Oil - Remove and clean suction screen. Replace oil filter element with a 10 micron element every 300 hours.
LEGS & TRAVEL BOGIES		
Manual Leg Screws	Lubricate	NLGI-2 Lithium Base Grease - Disassemble leg and brush grease onto leg screw and fill leg thrust bearing with grease.
Leg Rollers	Lubricate	NLGI-2 Lithium Base Grease - Remove leg rollers and work grease into bearings.

Grease Points



Do this for all legs and wheels!

Machine Cleaning Procedure

When cleaning the machine, please adhere to the following information to ensure proper cleaning and to keep the machine in the best condition possible.

Power Washing Procedure:

NOTICE

- Ensure that the water pressure is below 2000 PSI (14 MPa)
- Always keep the water temperature below 180°F (80°C)
- Use a spray nozzle with at minimum 40° wide spray angle
- Keep the nozzle at least 1 foot (300mm) away from the machine
- Keep a perpendicular angle (90°) when cleaning over a decal.
 - Holding nozzle of a pressure washer at an angle different from 90° may lift the decal from the machine.
- Recommended using a safe cement dissolver, **BACK-SET** or similar, to remove hardened concrete.
- It is **NOT** recommended to use chemicals such as:
 - Muriatic Acid
 - Hydrochloric Acid
 - Hydrofluoric Acid
 - Sulfuric Acid
 - Phosphoric Acid
- To prevent build-up of concrete on the machine, use **BODY GUARD** or similar protection wax.

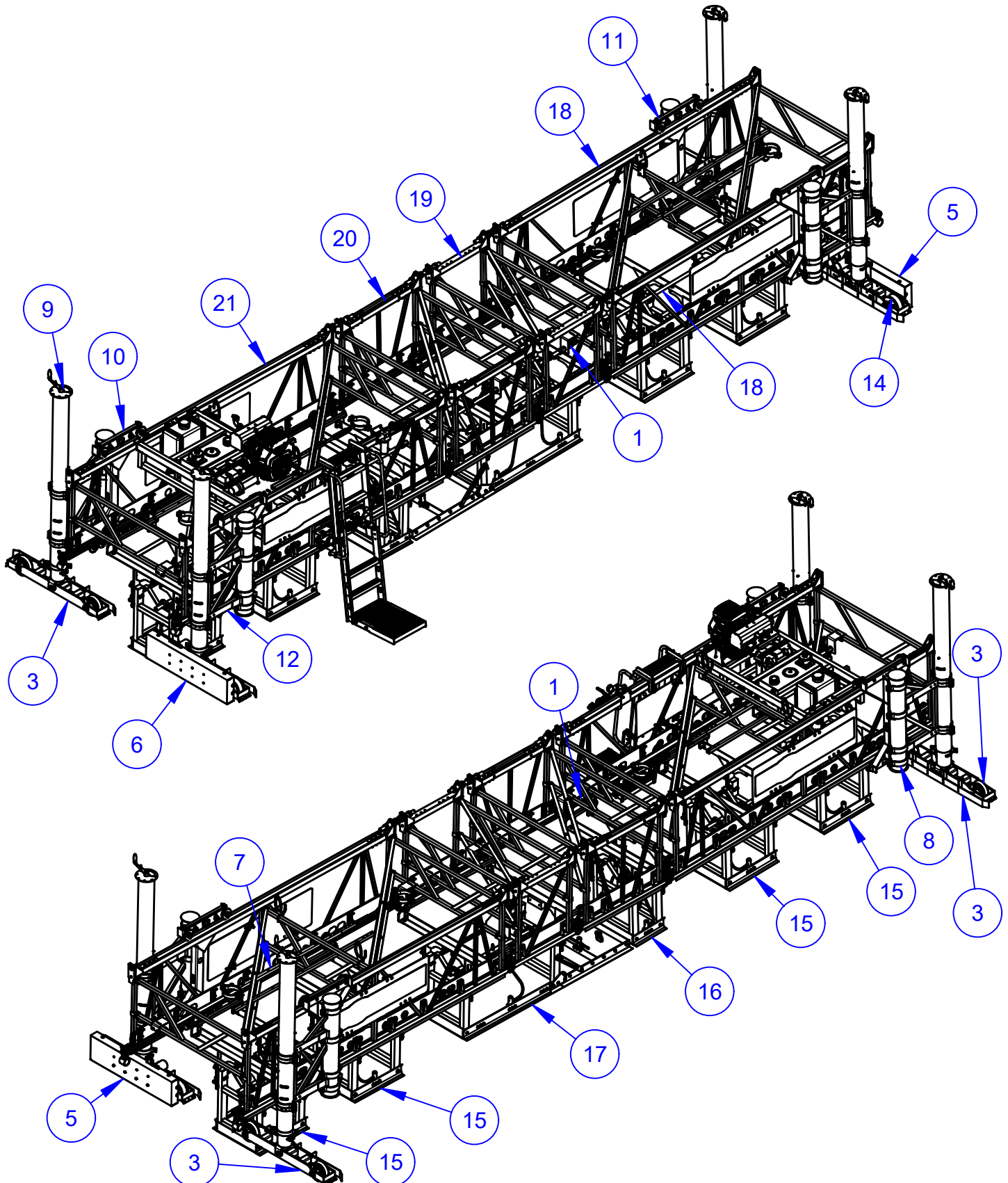
Filter Cleaning Procedure:

- Remove air filters and blow out with compressed air, **NOT** to exceed 80 PSI.

SECTION 4 PARTS

SECTION 4 PARTS

Machine Assembly



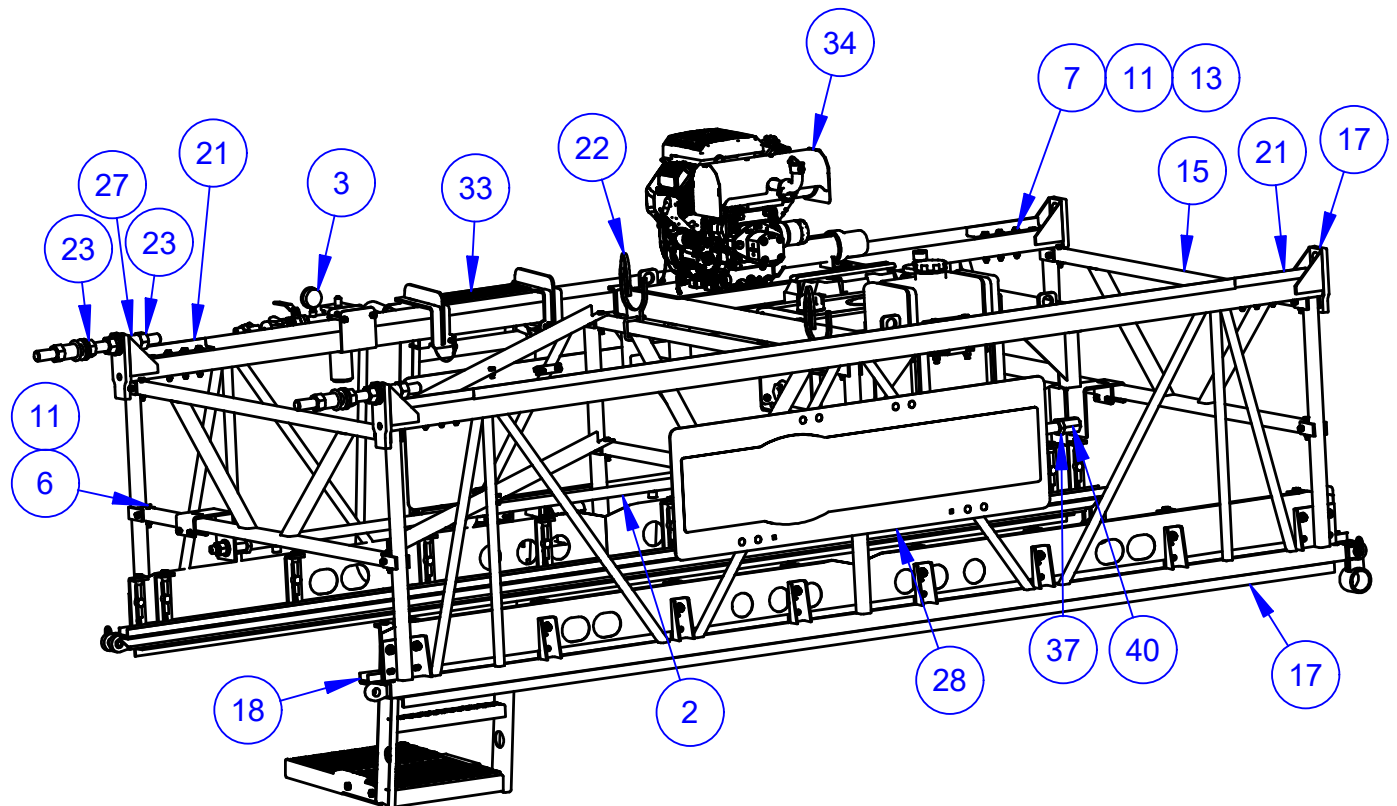
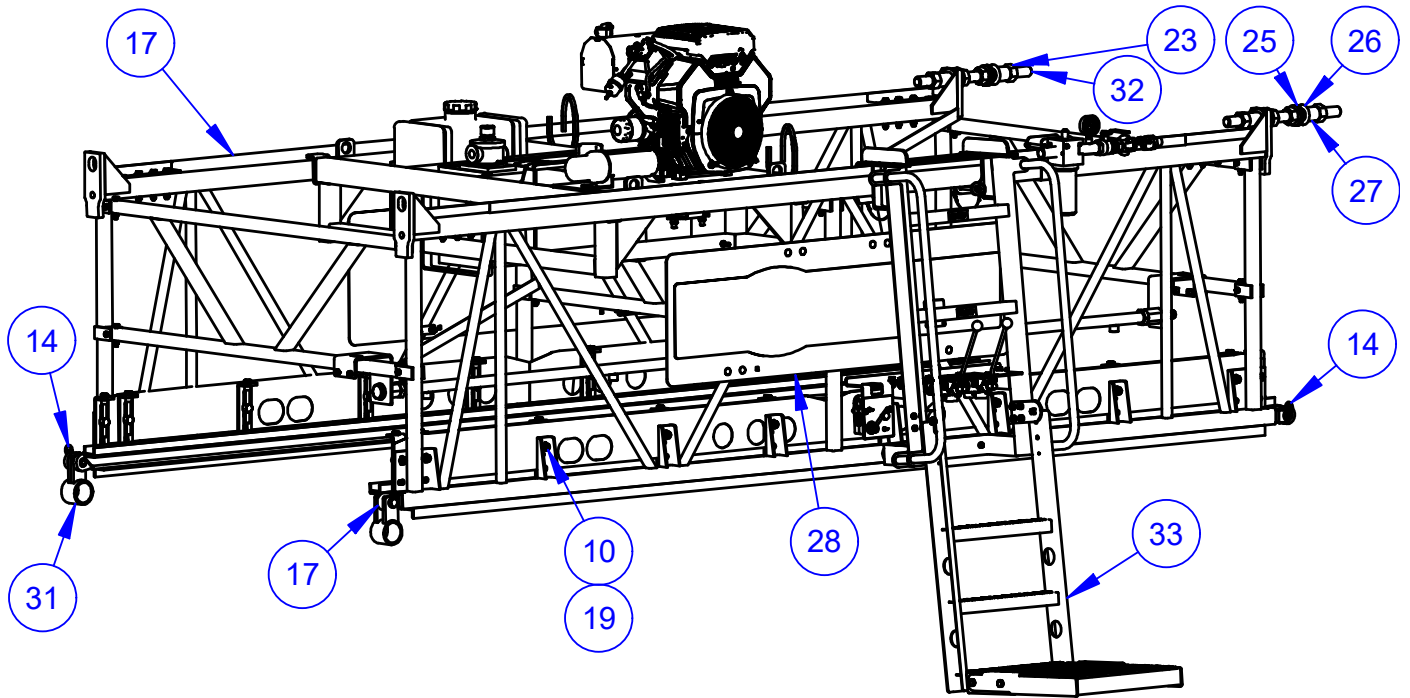
Machine Assembly

SECTION 4 PARTS

ITEM	PART #	DESCRIPTION	QTY
-	074800	Assembly, Machine, SWK	-
1	2883-Hose03	-	3
2	2965-100	Assembly, Paving Profile, 27"	1
3	052018	Assembly, Idler BOgie Wheel	2
4	052043	Clamp, for 6" Jack	16
5	052051	Assembly, Bogie, Driver, Left Hand, 36"	1
6	052053	Assembly, Bogie, Driver, Right Hand, 36"	1
7	052538	Assembly, Leg Brace, 6"	2
8	052725	Clamp	16
9	052761	Assembly, Manual Leg, 6"	4
10	065036	Assembly, Rigid Leg Plate, Right Hand, 36" with 6" Jack	2
11	065037	Assembly, Rigid Leg Plate, Left Hand, 36", with 6" Jack	2
12	065145	Assembly, Swing Leg, 6"	4
13	073292	Wheel, Poly, Cup, 6", for use on 2" Pipe Rail	4
14	074817	Assembly, Paving Profile, 26"	1
15	074828	Assembly, Paving Profile, 16"	1
16	074835	Assembly, Paving Profile, 88"	1
17	074852	Assembly, Idle Section 12ft	1
18	074853	Assembly, Section, 3ft, without Rail	1
19	074857	Assembly, Section, 4ft, with Rail	1
20	074861	Assembly, Power Unit Section, 12ft	1

SECTION 4 PARTS

Mainframe - Power End



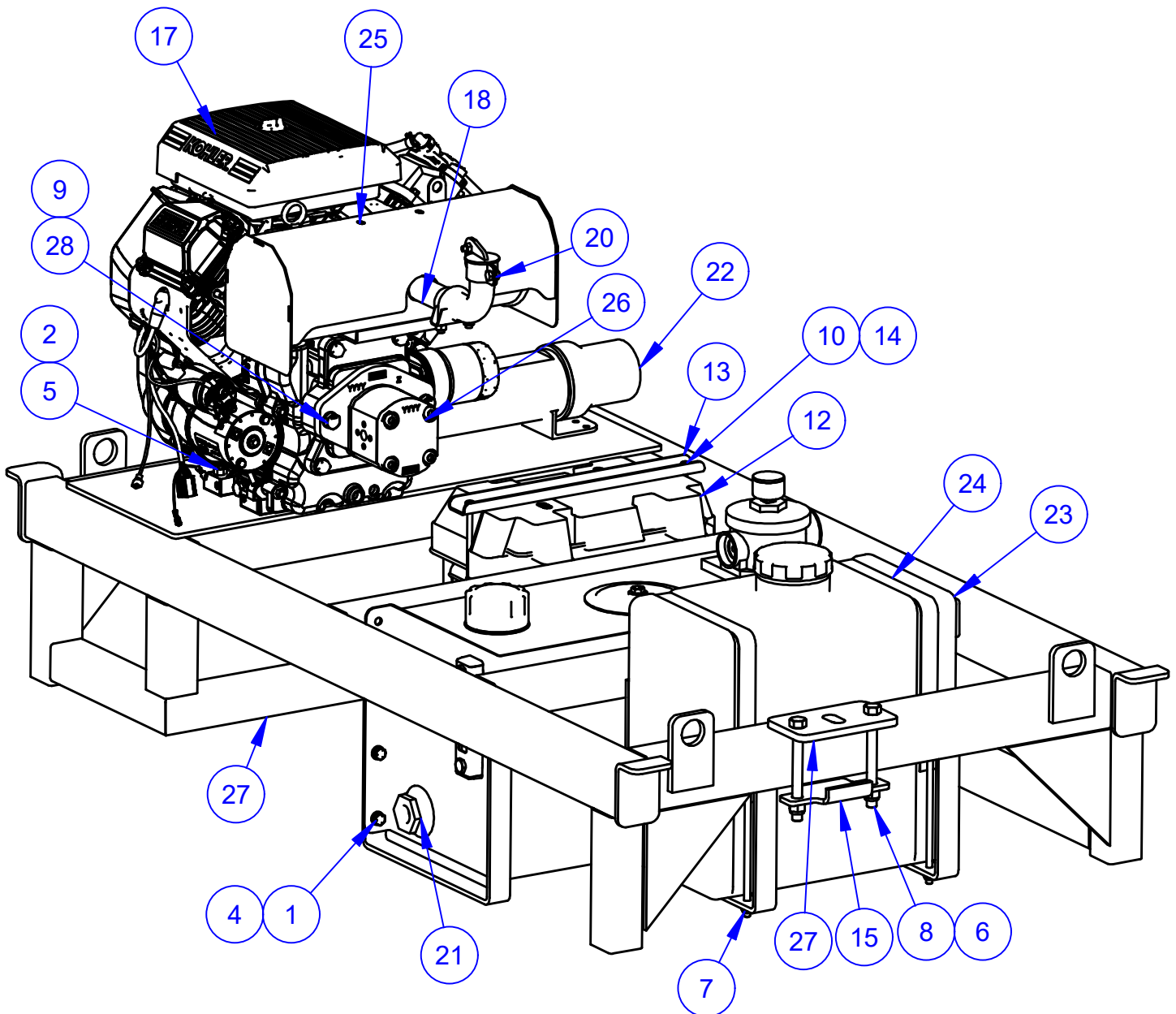
Mainframe - Power End

SECTION 4 PARTS

ITEM	PART #	DESCRIPTION	QTY
-	074861	Assembly, Mainframe, Power End	-
1	2883-088	Weldment, Air Bulkhead Mount	2
2	2883-090	Weldment, Pipe, Air, 12ft	1
3	2907-LUBE	Lubricator Kit	1
4	5315K510		1
5	010036	Fastener, Bolt, HHCS, 3/8"-16 x 1", Grade 8	4
6	010042	Fastener, Bolt, HHCS, 3/8"-16 x 2-1/2", Grade 8	30
7	010046	Fastener, Bolt, HHCS, 3/8"-16 x 3-1/2", Grade 8	12
8	010088	Fastener, Washer, Flat, 1", Grade 8	2
9	010091	Fastener, Washer, Lock, 3/8", Grade 8	4
10	010106	Fastener, Nut, Hex, 1/2"-13, Grade 8	20
11	010464	Fastener, Nut, Hex, Nylok, 3/8"-16, Grade 8	45
12	011490	Fastener, Washer, Flat, 1/2", Grade 8	20
13	017751	Fastener, Washer, Flat, 3/8", Grade 8	12
14	022110	Cotters, Hairpin	2
15	052085	Weldment, Cross Frame	3
16	052088	Ring, Lifting	1
17	052095	Weldment, Frame Side, 12ft	2
18	052107	Assembly, Rail	2
19	052108	Fastener, Bolt, Adjusting	20
20	05213	Brace, Angle, 89"	3
21	052114	Angle Filler	4
22	052137	Hanger, Hose	2
23	052156	Fastener, Nut, Hex, 1-1/4"-7, Grade 8	8
24	052162	U-Bolt	2
25	052168	Set, Fastener, Washer, 1-1/4"	4
26	052169	Fastener, Washer, Flat, 1-1/4", Grade 8	8
27	052171	Spacer, 1-1/2" x 3/16" x 2"	4
28	052210	Assembly, Sign, Bridge Deck Paver	2
29	052233	Pin, 1"	2
30	052275	Pin, Clevis, 1"	1
31	052302	Ring, Lifting	1
32	052472	All-Thread, 1-1/4"-7 x 18"	2
33	074805	Assembly, Operator Platform	1
34	074865	Assembly, Power Unit	1
35	074912	Decal, Side Panel	2
36	108000	Fastener, Nut, Hex, Right Hand Threads	1
37	108001	Fastener, Nut, Hex, Left Hand Threads	1
38	113000	End Handle	1
39	114000	Adapter, Right Hand, Air End	1
40	115000	Adapter, Left Hand, Air End	1

SECTION 4 PARTS

Power Unit Assembly



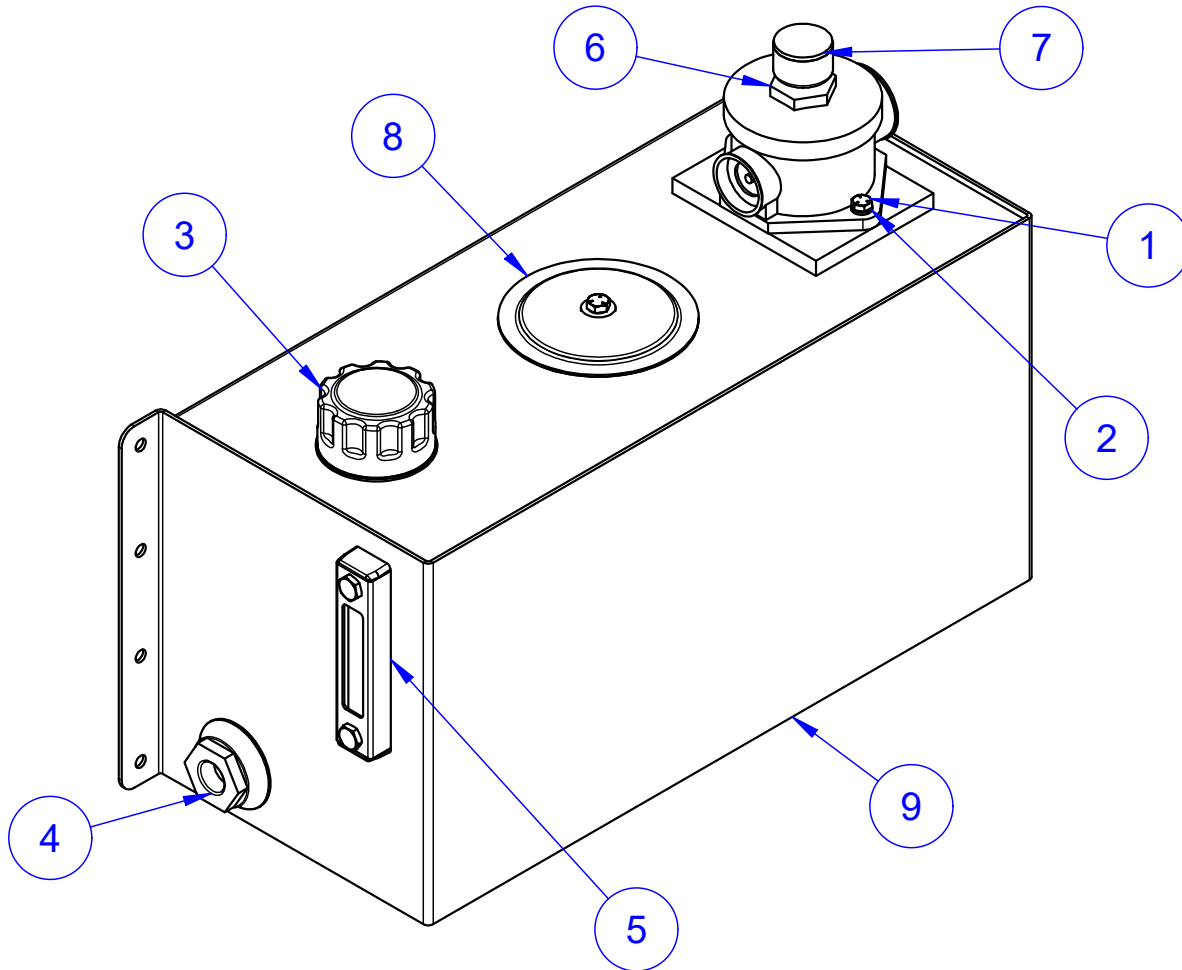
Power Unit Assembly

SECTION 4 PARTS

ITEM	PART #	DESCRIPTION	QTY
-	074865	Assembly, Power Unit	-
1	010036	Fastener, Bolt, HHCS, 3/8"-16 x 1", Grade 8	6
2	010039	Fastener, Bolt, HHCS, 3/8"-16 x 1-3/4", Grade 8	4
3	010081	Fastener, Washer, Flat, 1/4", Grade 8	4
4	010091	Fastener, Washer, Lock, 3/8", Grade 8	6
5	010464	Fastener, Nut, Hex, Nylock, 3/8"-16, Grade 8	4
6	011238	Fastener, Nut, Hex, Nylok, 1/2"-13, Grade 8	4
7	012612	Fastener, Nut, Hex, Nylock, 5/16-18, Grade 8	4
8	019541	Fastener, Bolt, HHCS< 1/2"-13 x 5", Grade 8	4
9	029028	BIN 127-M12	2
10	029671	Fastener, Nut, Hex, Nylok, 1/4"-20, Grade 8	4
11	037771	Battery, 12v, 655CA	1
12	046696	Box, Standard Battery	1
13	048563	Channel, Battery Hold-Down	1
14	048589	All-Thread, 1/4"-20, for Battery Hold Down	2
15	050555	Clamp, PU Plate	2
16	050667	Clamp, 1-1/4" for Muffler	1
17	050850	Engine, Kohler, 23.5HP, with Spline	1
18	050856	Muffler, Kohler	1
19	050857	Elbow, for Center Outfit Kohler	1
20	050868	Cap, Rain, for Muffler1-7/16"	2
21	052638	Assembly, Hydraulic Tank	1
22	066255	Manual Tube	1
23	071536	Tank, 7 Gal, Retardent Tank	1
24	071568	Strap, Hold Down, for 7 Gal tank	2
25	071585	Heat Shield for Muffler, Kohler	1
26	071589	Pump, Hydraulic, for Power Unit	1
27	074863	Weldment, Power Unit Frame	1
28	91310A142		2

SECTION 4 PARTS

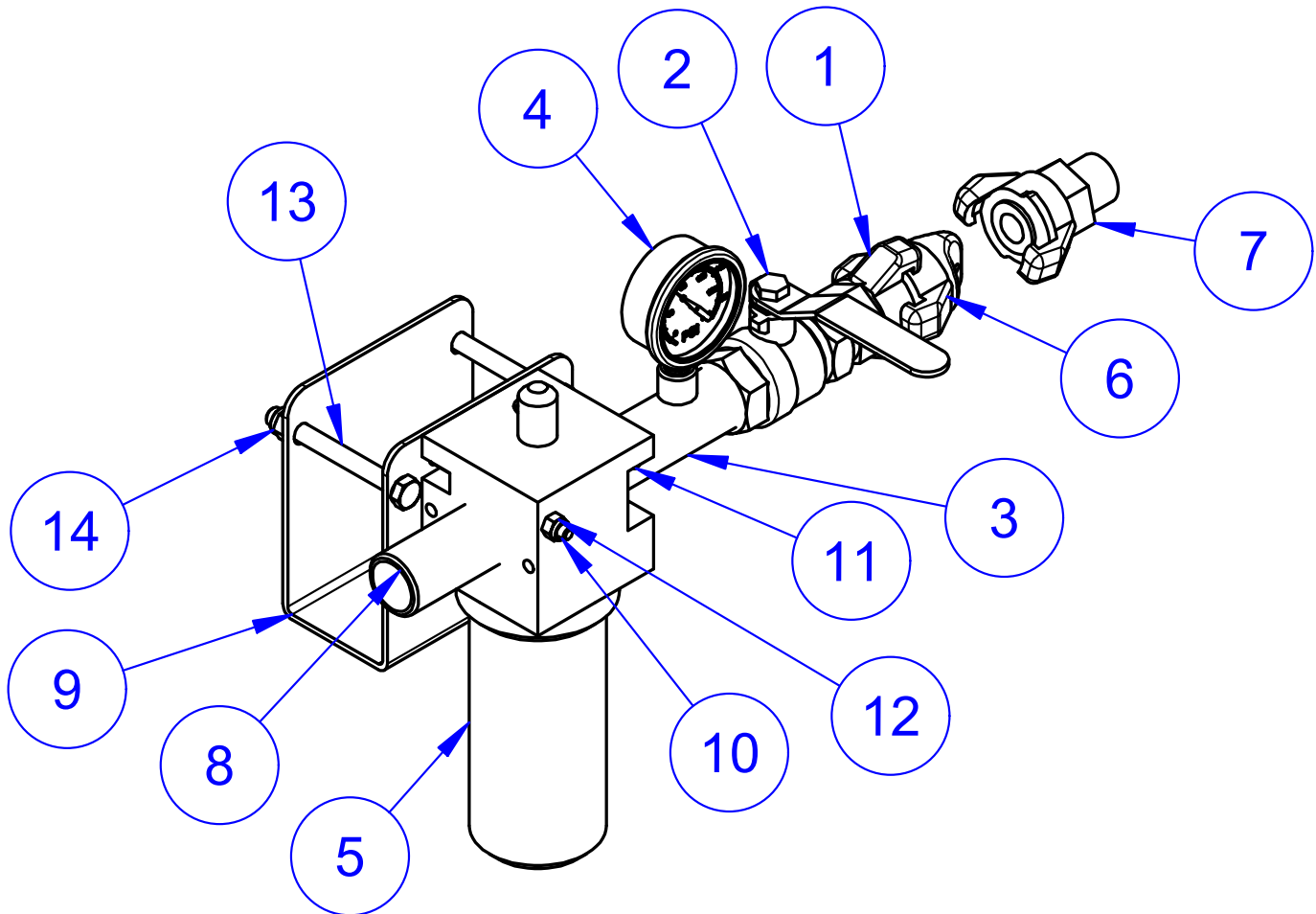
Hydraulic Tank Assembly



ITEM	PART #	DESCRIPTION	QTY
-	052638	Assembly, Hydraulic Tank	-
1	010019	Fastener, Bolt, HHCS, 5/16"-18 x 3/4", Grade 8	2
2	010090	Fastener, Washer, Lock, 5/16", Grade 8	2
3	032268	Unit, Chrome Lockable, Gas-Hydra Tank Cap	1
4	040073	Strainer, Large, for Hydraulic Tank	1
5	042844	Gauge, SNA Hydraulic Level	1
6	045134	Filter, Return Line	1
7	046241	Gauge, Filter	1
8	050479	Door, Clean-Out, 6"	1
9	052634	Tank, Hydraulic, for Power Cup Wheel Power	1

Lubricator Kit

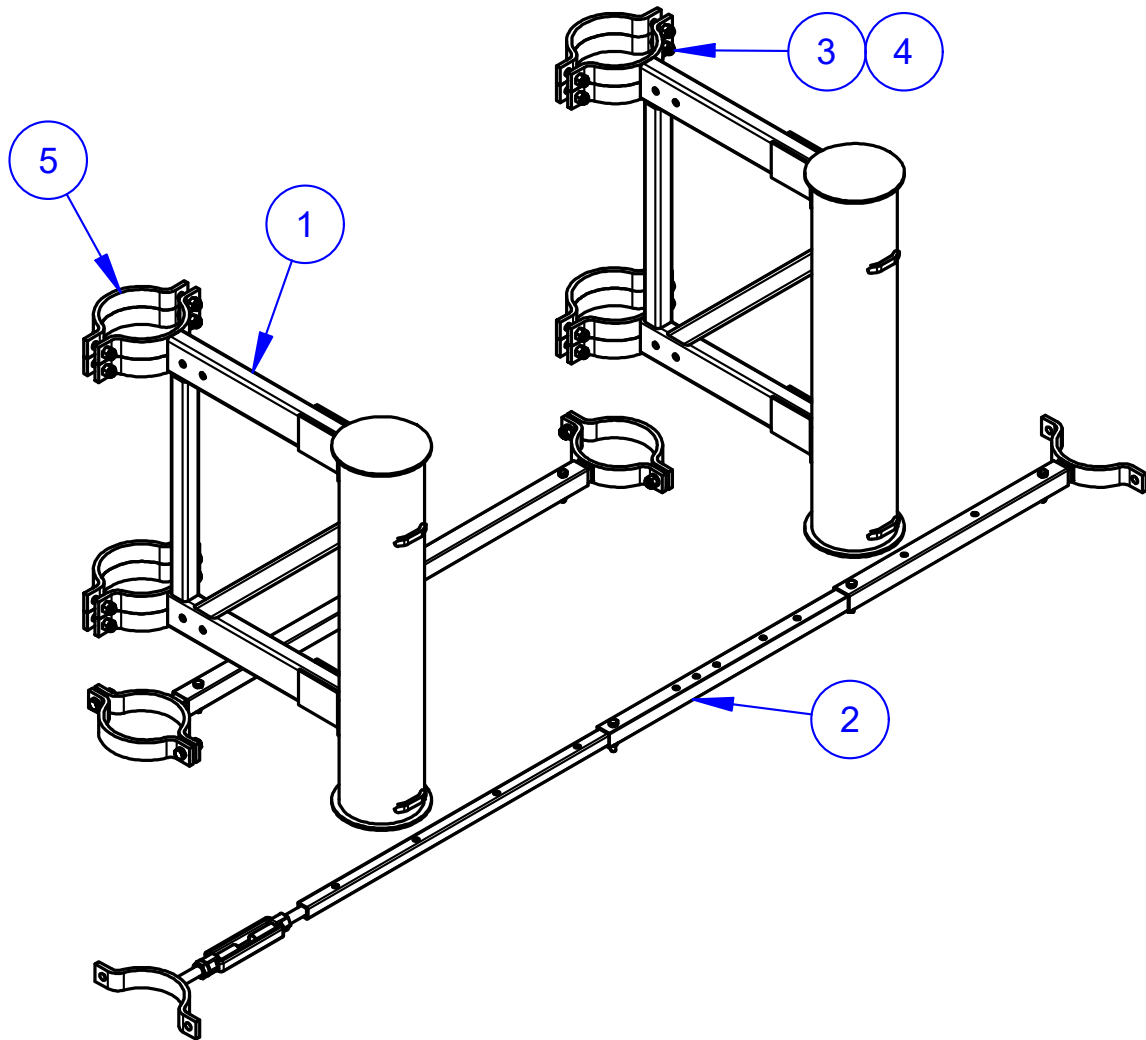
SECTION 4 PARTS



ITEM	PART #	DESCRIPTION	QTY
-	2907-LUBE	Assembly, Kit, Lubrication	-
1	116001	Coupling, 1", Crows Foot	1
2	116002	Valve, Ball, 1" NPT	1
3	116003	Tee, Special, for Lubricator Gauge	1
4	116004	Gauge, 1/4" Bottom Mount, 0-200 PSI	1
5	116005	Lubricator, 1"	1
6	117000	Coupling, 1", Crows Foot	1
7	118000	Crows Foot, 3/4", Male	1
8	100193	Tube	1
9	2907-140	Clamp, Lubricator Mount	1
10	010014	Fastener, Bolt, HHCS, 1/4"-20 x 3", Grade 8	1
11	010011	Fastener, Bolt, HHCS, 1/4"-20 x 3", Grade 8	1
12	029671	Fastener, Nut, Hex, Nylock, 1/4"-20, Grade 8	2
13	010046	Fastener, Bolt, HHCS, 3/8"-16 x 3-1/2", Grade 8	2
14	010464	Fastener, Nut, Hex, Nylock, 3/8"-16, Grade 8	2

SECTION 4 PARTS

Kit, Swing-Out Assembly (One Side)

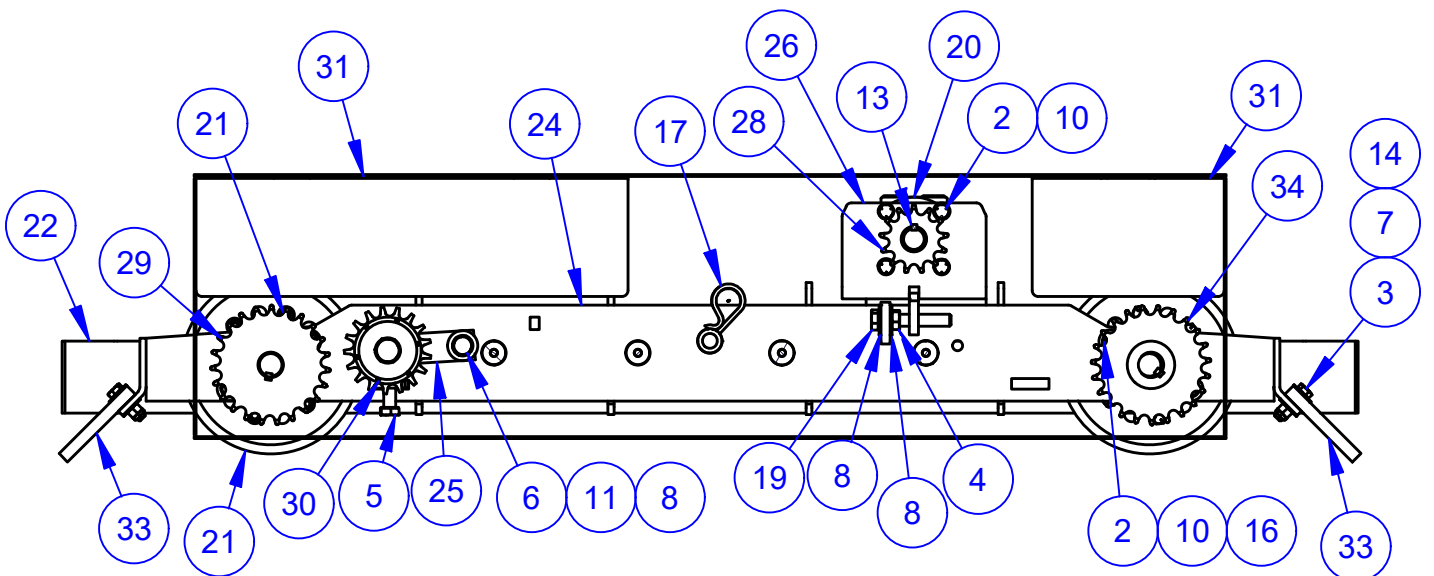
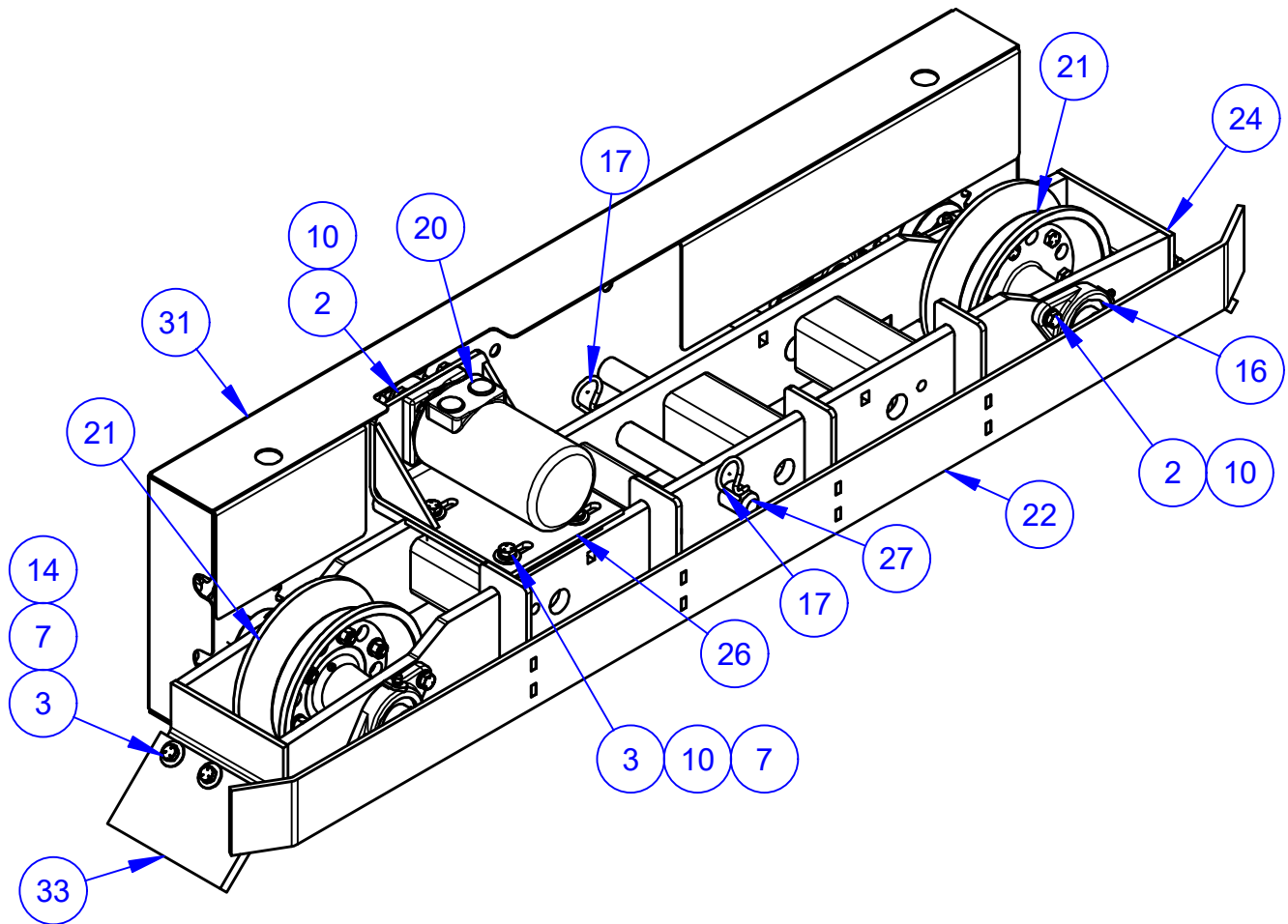


ITEM	PART #	DESCRIPTION	QTY
-	2907-150	Kit, Swing-Out Assembly (One Side)	-
1	2883-014	Assembly, Leg, Swing, 6"	2
2	2883-184	Assembly, Leg-Brace	1
3	010072	Fastener, Bolt, HHCS, 1/2" - 13 x 2-1/4", Grade 8	16
4	011238	Fastener, Nut, Hex, Nylock, 1/2"-13, Grade 8	16
5	052043	Clamp, for 6" Jack	8

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SECTION 4 PARTS

Bogie Assembly, 24" Driver, LH (Flange)



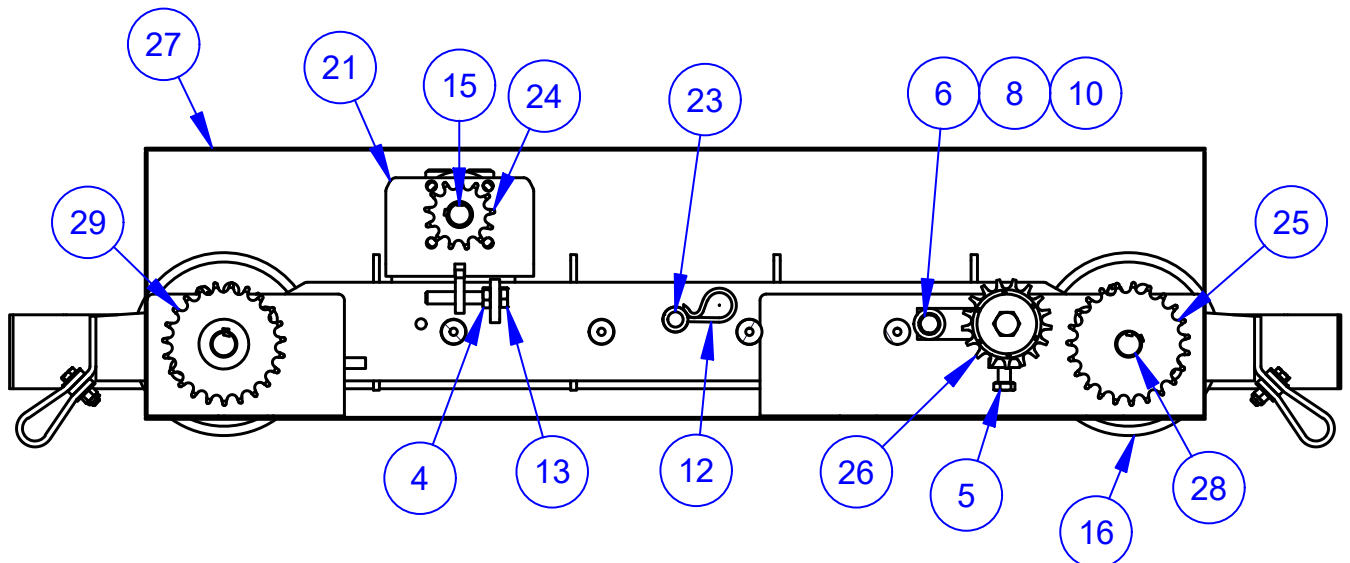
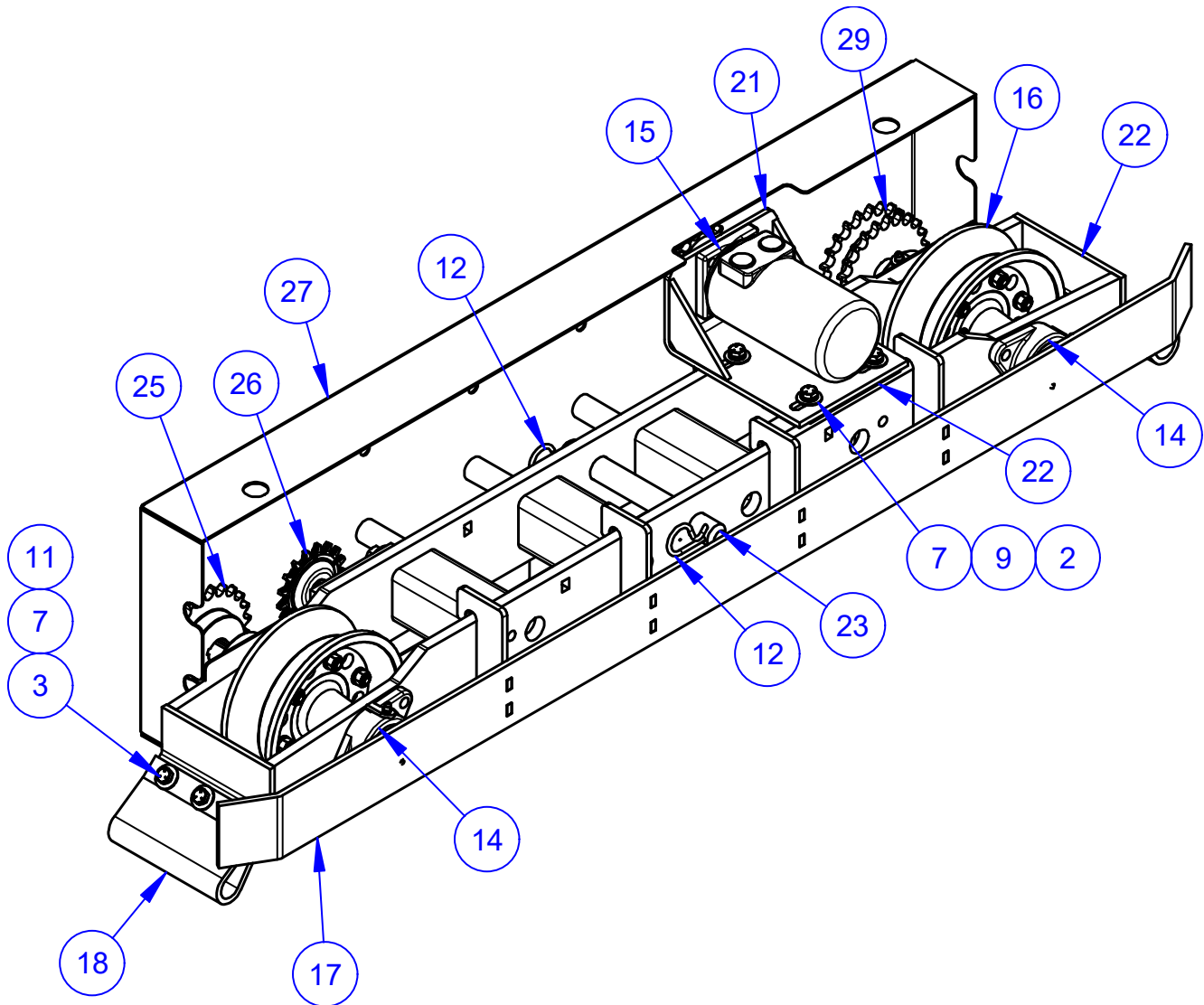
Bogie Assembly, 24" Driver, LH (Flange)

SECTION 4 PARTS

ITEM	PART #	DESCRIPTION	QTY
-	052051	Assembly, Bogie, Drive, 36", Left Hand	-
1	010022	Fastener, Bolt, HHCS, 5/16-18 x 1-1/2", Grade 8	4
2	010036	Fastener, Bolt, HHCS, 3/8"-16 x 1", Grade 8	12
3	010038	Fastener, Bolt, HHCS, 3/8"-16 x 1", Grade 8	10
4	010050	Fastener, Nut, Hex, 1/2"-13, Grade 8	2
5	010070	Fastener, Bolt, HHCS, 1/2"-13 x 1-3/4", Grade 8	1
6	010072	Fastener, Bolt, HHCS, 1/2"-13 x 2-1/4", Grade 8	1
7	010083	Fastener, Washer, Flat, 3/8", Grade 8	16
8	010085	Fastener, Washer, Flat, 1/2", Grade 8	3
9	010090	Fastener, Washer, Lock, 5/16", Grade 8	4
10	010091	Fastener, Washer, Lock, 3/8", Grade 8	16
11	010093	Fastener, Washer, Lock, 1/2", Grade 8	1
12	010095	Fastener, Washer, Lock, 5/8", Grade 8	1
13	010307	Key, 1/4" Square x 2" Long	1
14	010464	Fastener, Nut, Nylok, 3/8"-16, Grade 8	6
15	010632	Fastener, Bolt, HHCS, 5/8"-11 x 2", Grade 8	1
16	019344	Bearing, Flange, Ø1"	4
17	022110	Cotters, Hairpin	2
18	024820	Key, 1/4" Square x 4" Long	2
19	038388	Fastener, Bolt, HHCS, 1/2"-13 x 3", Grade 8	1
20	050468	Motor, Hydraulic	1
21	052004	Wheel, Cup, Ø6", for 2" Forms	2
22	052017	Guard, Pusher, for Rebar	1
23	052032	Axle, Drive for Bogie	1
24	052033	Weldment, Bogie, 36" Driver, Left Hand	1
25	052034	Block, Chain Tensioning	1
26	052037	Bracket, Motor Mount	1
27	052136	Pin, 1" x 8-1/2"	1
28	052195	Sprocket, 50BS13HT	1
29	052169	Sprocket, 20BS23HT	1
30	052197	Pulley, Idler	1
31	052465	Cover, for Left Hand Bogie Drive	1
32	052503	Axle, Drive for Bogie	1
33	052589	Scraper	2
34	052728	Weldment, Sprocket	1
35	052951	Tube, for Idler Sprocket Spacer	1
36	065397	Spacer, for Dual Drive Socket	1
37	069032	Washer, Bogey Shoulder	4
38	052273	Chain, AQUA	10'
39	052274	Link, Connector, Chain	1
40	052461	Link Offset	1

SECTION 4 PARTS

Bogie Assembly, 24" Driver, RH (Flange)



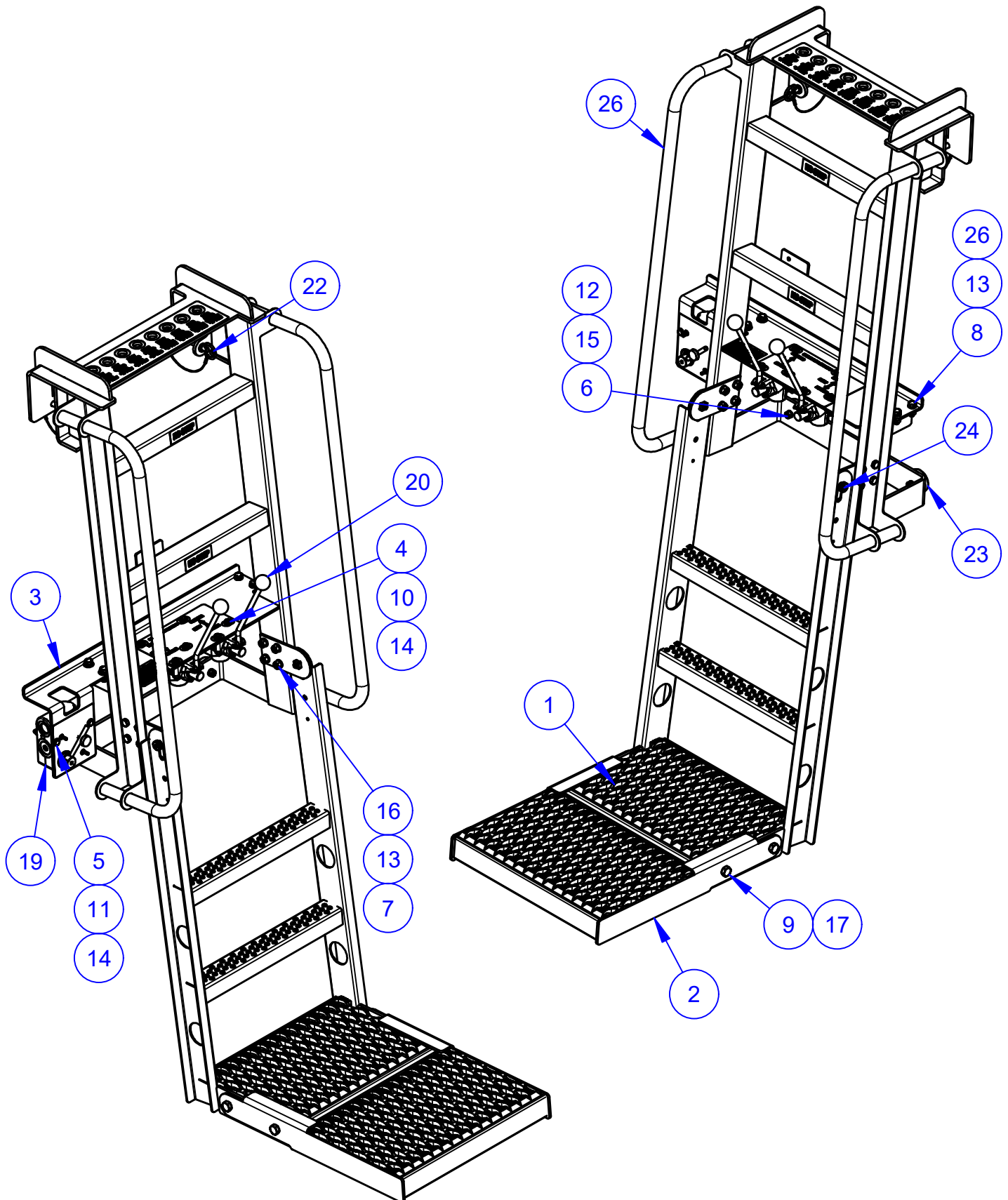
Bogie Assembly, 24" Driver, RH (Flange)

SECTION 4 PARTS

ITEM	PART #	DESCRIPTION	QTY
-	052053	Assembly, Bogie, Driver, Right Hand, 36 Inch	-
1	010002	Fastener, Bolt, HHCS, 1/4"-20 x 3/4", Grade 8	1
2	010037	Fastener, Bolt, HHCS, 3/8"-16 x 1-1/4", Grade 8	4
3	010038	Fastener, Bolt, HHCS, 3/8"-16 x 1-1/2", Grade 8	6
4	010050	Fastener, Nut, Hex, 1/2"-13, Grade 8	2
5	010070	Fastener, Bolt, HHCS, 1/2"-13 x 1-3/4", Grade 8	1
6	010072	Fastener, Bolt, HHCS, 1/2"-13 x 2-1/4", Grade 8	1
7	010083	Fastener, Washer, Flat, 3/8", Grade 8	13
8	010085	Fastener, Washer, Flat, 1/2", Grade 8	1
9	010091	Fastener, Washer, Lock, 3/8", Grade 8	4
10	010093	Fastener, Washer, Lock, 1/2", Grade 8	1
11	010464	Fastener, Nut, Nylok, 3/8"-16, Grade 8	6
12	022110	Cotters, Hairpin	2
13	038388	Fastener, Bolt, HHCS, 1/2"-13 x 3", Grade 8	1
14	046904	Bearing, Flange, Ø1"	4
15	050468	Motor, Hydraulic	1
16	052004	Wheel, Cup, 6", for 2" Pipe	2
17	052017	Weldment, Rebar Pusher	1
18	052019	Rubber Scraper	2
19	052032	Axle, Drive	1
20	052034	Block, Chain Tensioning	1
21	052037	Bracket, Motor Mount	1
22	052052	Weldment, Bogie, Driver, Right Hand	1
23	052136	Pin, 1" x 8-1/2"	1
24	052195	Sprocket, 1", 50BS13HT	1
25	052196	Sprocket, 1", 2SS, 50BS13HT	1
26	052197	Pulley, Idler	1
27	052465	Cover, for Left Hand Bogie Drive	1
28	052503	Axle, Drive	1
29	052728	Weldment, Sprocket	1
30	065379	Spacer, for Dual Sprocket Assembly	1
31	052273	Chain, AQUA	10'
32	052274	Link, Connector, Chain	1
33	052461	Link Offset	1

SECTION 4 PARTS

Operator Platform Assembly



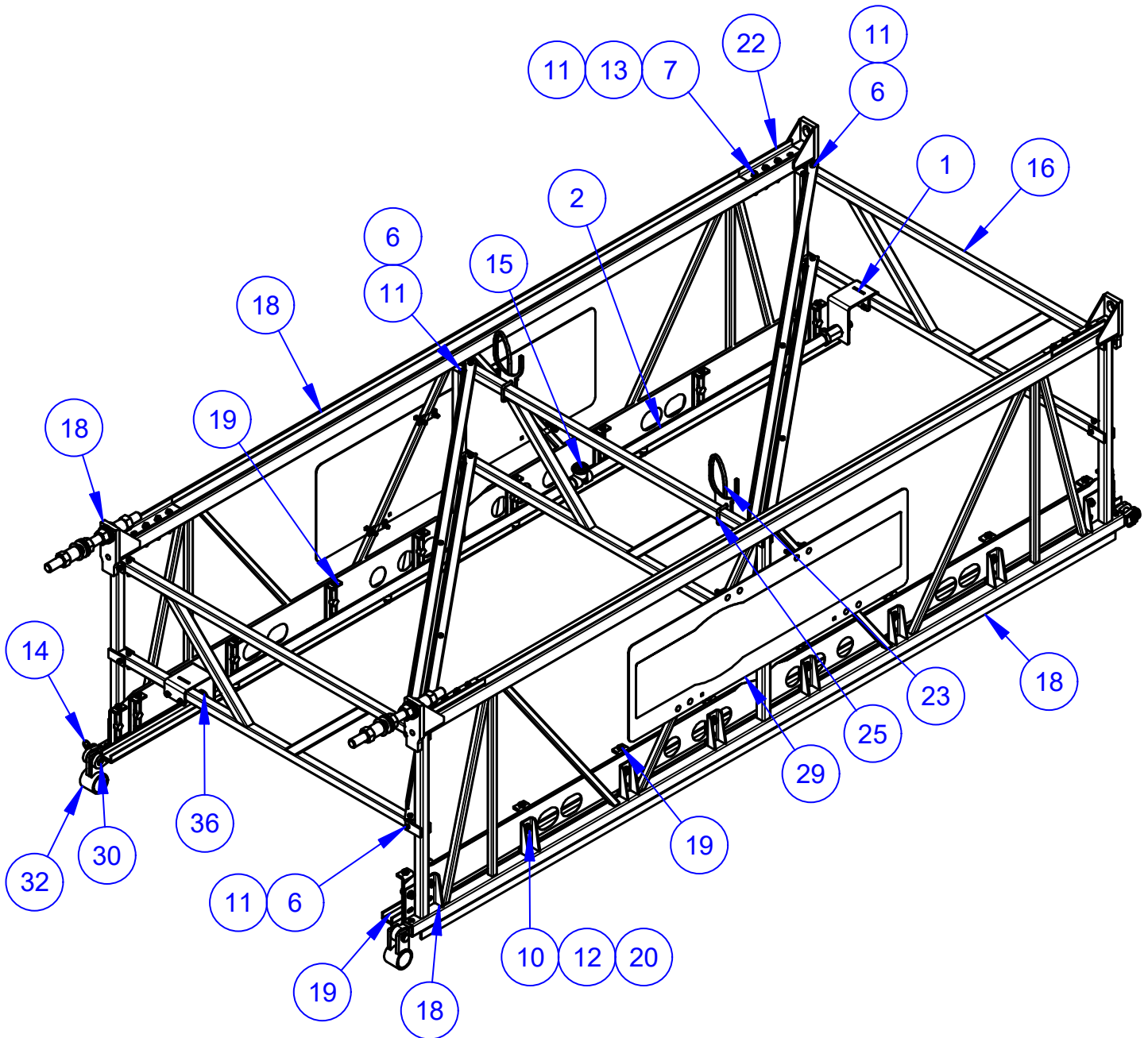
Operator Platform Assembly

SECTION 4 PARTS

ITEM	PART #	DESCRIPTION	QTY
-	074805	Assembly, Operator Platform, VLP3036	-
1	2883-071	Weldment, Operator Platform, Bottom Section	1
2	2883-300	Weldment, Extension, for Platform	1
3	2948-038	Plate, Operator Controls	1
4	010006	Fastener, Bolt, HHCS, 1/4"-20 x 1-3/4", Grade 8	6
5	010009	Fastener, Bolt, HHCS, 1/4"-20 x 2-1/2", Grade 8	2
6	010020	Fastener, Bolt, HHCS, 5/16"-18 x 1", Grade 8	2
7	010035	Fastener, Bolt, HHCS, 3/8"-16 x 3/4", Grade 8	8
8	010036	Fastener, Bolt, HHCS, 3/8"-16 x 3/4", Grade 8	4
9	010068	Fastener, Bolt, HHCS, 1/2"-13 x 1-1/4", Grade 8	4
10	010081	Fastener, Washer, Flat, 1/4", Grade 8	6
11	010089	Fastener, Washer, Lock, 1/4", Grade 8	2
12	010090	Fastener, Washer, Lock, 5/16", Grade 8	2
13	010091	Fastener, Washer, Lock, 3/8", Grade 8	12
14	010098	Fastener, Nut, Hex, 1/4"-20, Grade 8	8
15	010100	Fastener, Nut, Hex, 5/16"-18, Grade 8	2
16	010102	Fastener, Nut, Hex, 3/8"-16, Grade 8	8
17	010106	Fastener, Nut, Hex, 1/2"-13, Grade 8	4
18	017751	Fastener, Washer, Flat, 3/8", Grade 8	2
19	051984	Valve, Flow Control, with Relief	1
20	057836	Valve, Hydraulic	2
21	065965	Serial Tag	1
22	069040	Pin, Hitch, with Tether and Pin	2
23	069041	Bumper, Rubber, 2"	2
24	069042	Fastener, Bolt, Shoulder, 1/2" x 3/8"	2
25	069223	Bracker, Lower Ladder, Left Hand Connector	2
26	074801	Weldment, Upper Platform	1

SECTION 4 PARTS

Mainframe - 12' Idle Frame



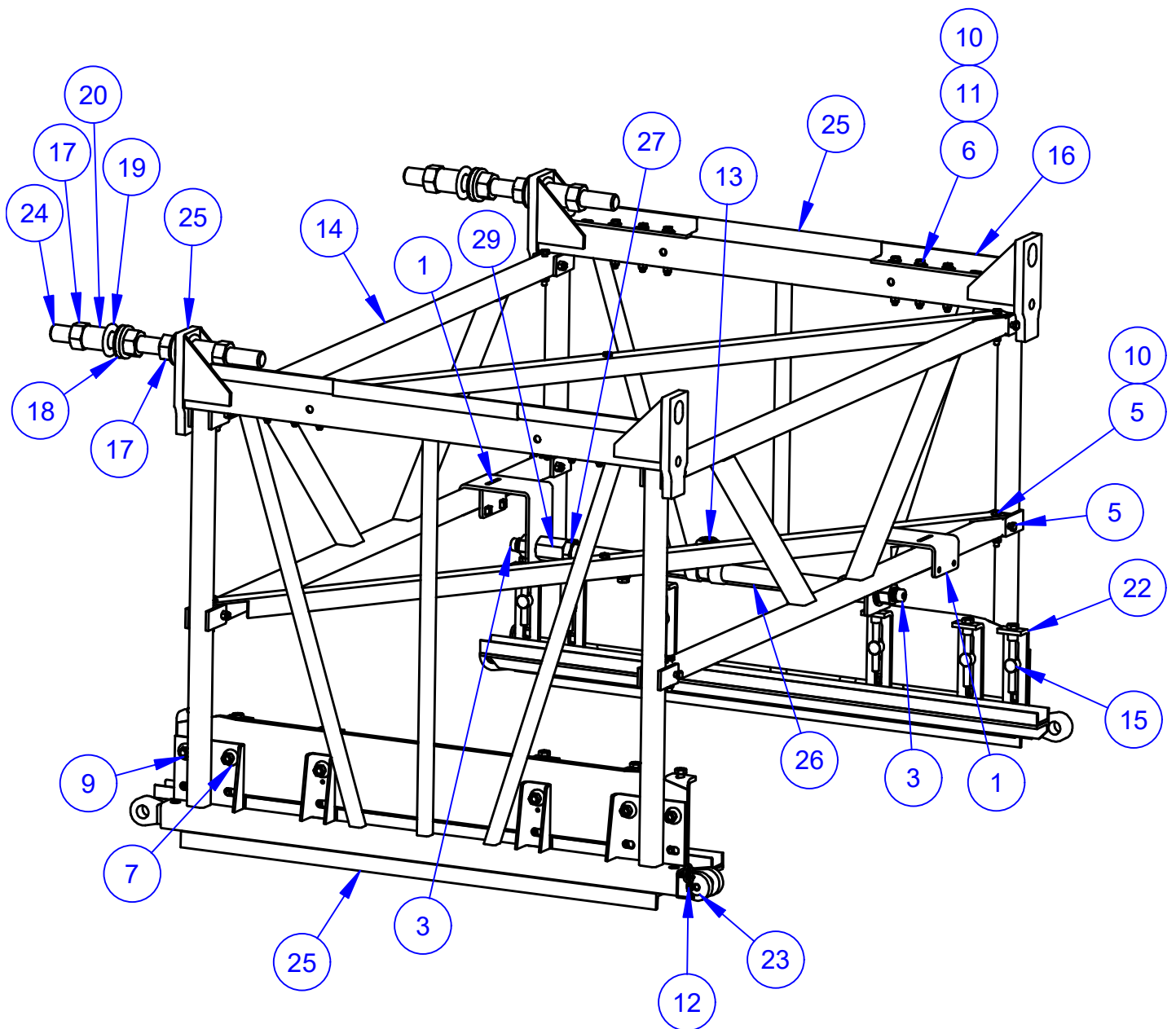
Mainframe - 12' Idle Frame

SECTION 4 PARTS

ITEM	PART #	DESCRIPTION	QTY
-	074852	Assembly, Frame, 12 Foot, Idle End	-
1	2883-088	Weldment, Mount, for Air Bulkhead	2
2	2883-090	Weldment, Pipe, 12' Air Bulkhead	1
3	4464K333		5
4	5315K510		1
5	010036	Fastener, Bolt, HHCS, 3/8"-16 x 1", Grade 8	4
6	010042	Fastener, Bolt, HHCS, 3/8"-16 x 2-1/2", Grade 8	30
7	010046	Fastener, Bolt, HHCS, 3/8"-16 x 3-1/2", Grade 8	12
8	010088	Fastener, Washer, Flat, 1", Grade 8	2
9	010091	Fastener, Washer, Lock, 3/8", Grade 8	4
10	010106	Fastener, Nut, Hex, 1/2"-13, Grade 8	20
11	010464	Fastener, Nut, Nylok, 3/8"-16, Grade 8	46
12	011490	Fastener, Washer, Flat, 1/2", Grade 8	20
13	017751	Fastener, Washer, Flat, 3/8", Grade 8	12
14	022110	Cotters, Hairpin	2
15	050849	Plug, 1" NPT Socket	1
16	052085	Frame, Cross	3
17	052088	Ring, Lifting	1
18	052095	Weldment, Side, Frame, 12ft	2
19	052107	Assembly, Rail	2
20	052108	Bolt, Adjusting	20
21	052113	Brace, Angle, 89"	4
22	052114	Fillter, Angle	4
23	052137	Hanger, for Hose	2
24	052156	Fastener, Nut, Hex, 1-1/4"-7	8
25	052162	U-Bolt	2
26	052168	Set, Washer, Spherical, 1-1/4", Grade 8	4
27	052169	Fastener, Washer, Flat, 1-1/4", Grade 8	8
28	052171	Spacer, 1-1/2" x 3/16" x 2"	4
29	052210	Assembly, Sign	2
30	052233	Pin, 1"	2
31	052275	Pin, Clevis, 1"	1
32	052302	Ring, Lifting	1
33	052472	All-Thread, 1-1/4"-7 x 18"	2
34	108000	Fastener, Nut, Hex, Right Hand Threads	1
35	108001	Fastener, Nut, Hex, Left Hand Threads	1
36	113000	Fastener, Nut, for End Handle	1
37	114000	Adapter, Right Hand, Air End	1
38	115000	Adapter, Left Hand, Air End	1

SECTION 4 PARTS

Mainframe - 4ft Frame



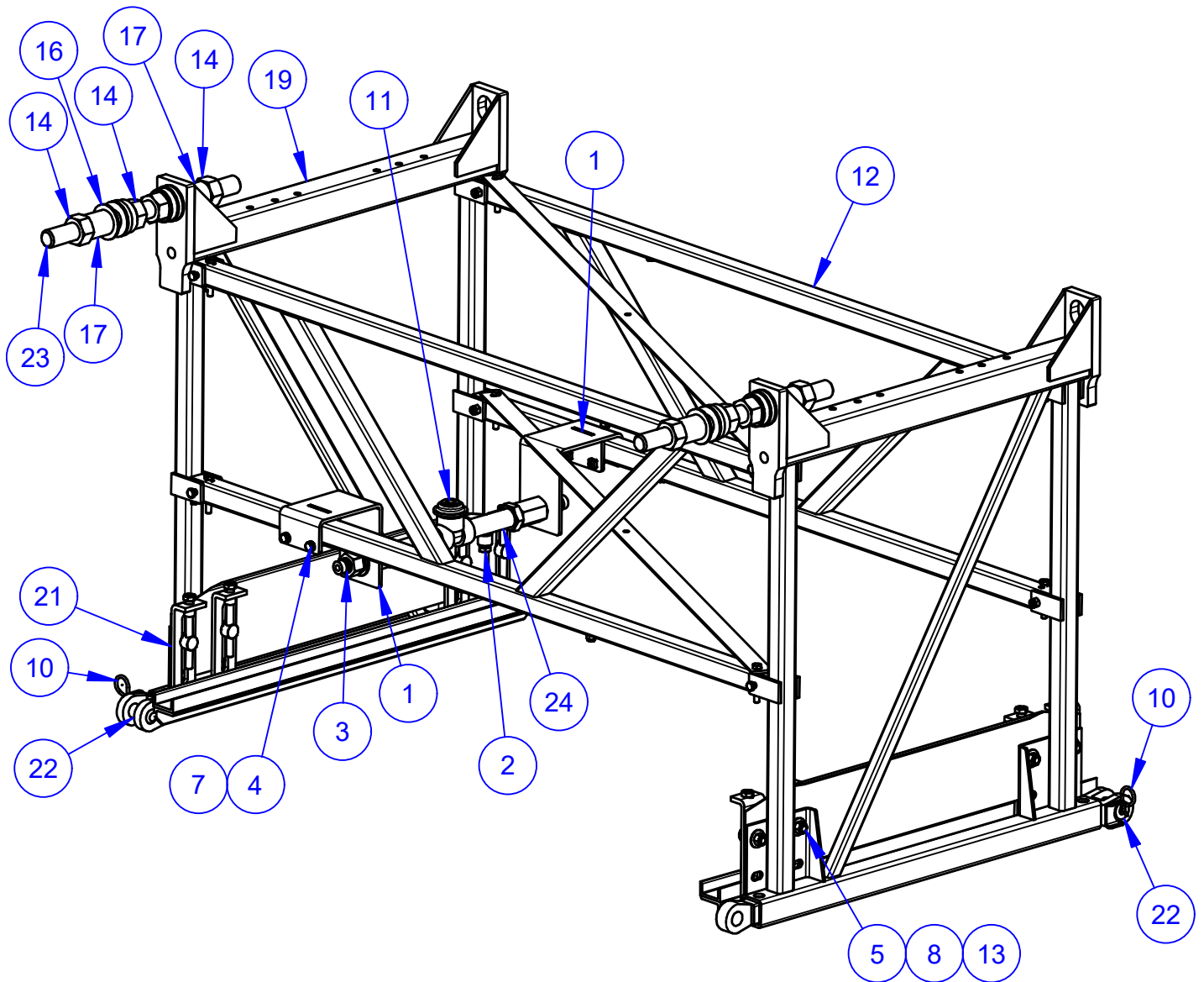
Mainframe - 4ft Frame

SECTION 4 PARTS

ITEM	PART #	DESCRIPTION	QTY
-	074857	Assembly, Frame, 4 Foot, 3036 VLP	-
1	2883-088	Weldment, Mount, for Air Bulkhead	2
2	4664K333		2
3	5315K510		2
4	010036	Fastener, Bolt, HHCS, 3/8"-16 x 1", Grade 8	2
5	010042	Fastener, Bolt, HHCS, 3/8"-16 x 2-1/2", Grade 8	16
6	010046	Fastener, Bolt, HHCS, 3/8"-16 x 3-1/2", Grade 8	12
7	010085	Fastener, Washer, Flat, 1/2", Grade 8	12
8	010088	Fastener, Washer, Flat, 1", Grade 8	2
9	010106	Fastener, Nut, Hex, 1/2"-13, Grade 8	12
10	010464	Fastener, Nut, Nylok, 3/8"-16, Grade 8	30
11	017751	Fastener, Washer, Flat, 3/8", Grade 8	12
12	022110	Cotters, Hairpin	2
13	050849	Plug, Socker, 1" NPT	1
14	052085	Cross Frame	2
15	052108	Bolt, Adjusting	12
16	052114	Filler, Angle	4
17	052156	Fastener, Nut, Hex, 1-1/4"-7	8
18	052168	Set, Washer, Spherical, 1-1/4"	4
19	052169	Fastener, Washer, Flat, 1-1/4", Grade 8	8
20	052171	Spacer, 1-1/2" x 3/16" x 2"	4
21	052187	Brace, Angle, 69-1/2"	2
22	052208	Assembly, Rail, 4"	2
23	052233	Pin, 1"	2
24	052472	All Thread, 1-1/4"-7 x 18"	2
25	066755	Weldment, Frame, without Rail	2
26	074858	Weldment, Pipe, 4ft, Air Bulkhead	1
27	108000	Fastener, Nut, Hex, Right Hand Threads	1
28	108001	Fastener, Nut, Hex, Left Hand Threads	1
29	114000	Adapter, Right Hand, Air End	1
30	115000	Adapter, Right Hand, Air End	1

SECTION 4 PARTS

Mainframe - 3ft Frame



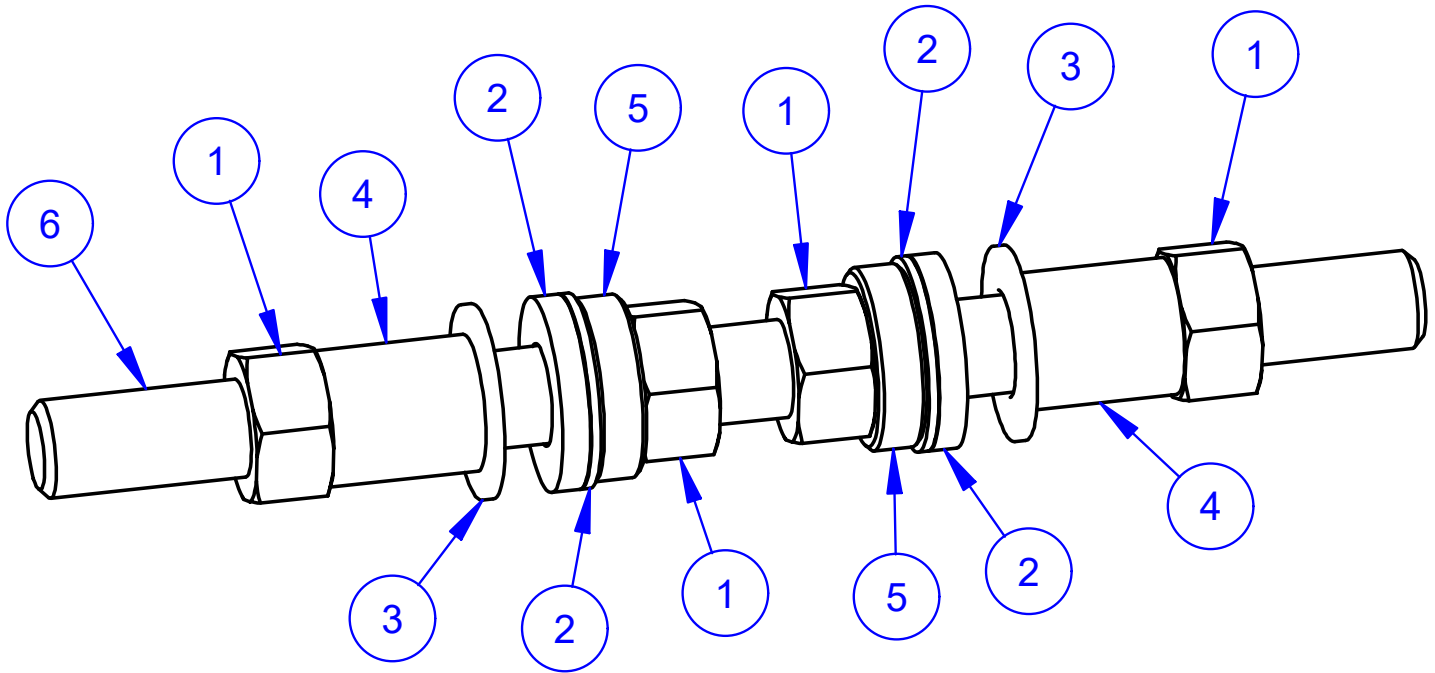
Mainframe - 3ft Frame

SECTION 4 PARTS

ITEM	PART #	DESCRIPTION	QTY
-	074853	Assembly, Frame, 3 Foot, 3036 VLP	-
1	2883-088	Weldment, Mount, for Air Bulkhead	2
2	4464K333		2
3	5315K510		2
4	010042	Fastener, Bolt, HHCS, 3/8"-16 x 2", Grade 8	20
5	010085	Fastener, Washer, Flat, 1/2", Grade 8	11
6	010088	Fastener, Washer, Flat, 1", Grade 8	2
7	010091	Fastener, Washer, Lock, 3/8", Grade 8	4
8	010106	Fastener, Nut, Hex, 1/2"-13, Grade 8	10
9	010464	Fastener, Nut, Hex, Nylok, 3/8"-16, Grade 8	16
10	022110	Cotters, Hairpin	2
11	050849	Plug, Socker, 1"	1
12	052085	Cross Frame	2
13	052108	Bolt, Adjusting	8
14	052156	Fastener, Nut, Hex, 1-1/4" - 7, Grade 8	8
15	052168	Set, Washer, Spherical, 1-1/4"	4
16	052169	Fastener, Washer, Flat, 1-1/4", Grade 8	4
17	052171	Spacer, 1-1/2" x 3/16" x 2"	4
18	052172	Bearing, Thrust, 1-1/4"	4
19	052184	Weldment, Frame, 36" x 36"	2
20	052188	Brace, Angle, 63-7/16"	4
21	052209	Assembly, Rail, 4ft	2
22	052233	Pin, 1"	2
23	052472	All Thread, 1-1/4"-7 x 18"	2
24	074854	Weldment, Pipe, Air Bulkhead, 3ft	1
25	108000	Fastener, Nut, Hex, Right Hand Threads	1
26	108001	Fastener, Nut, Hex, Left Hand Threads	1
27	114000	Adapter, Right Hand, Air End	1
28	115000	Adapter, Left Hand, Air End	1

SECTION 4 PARTS

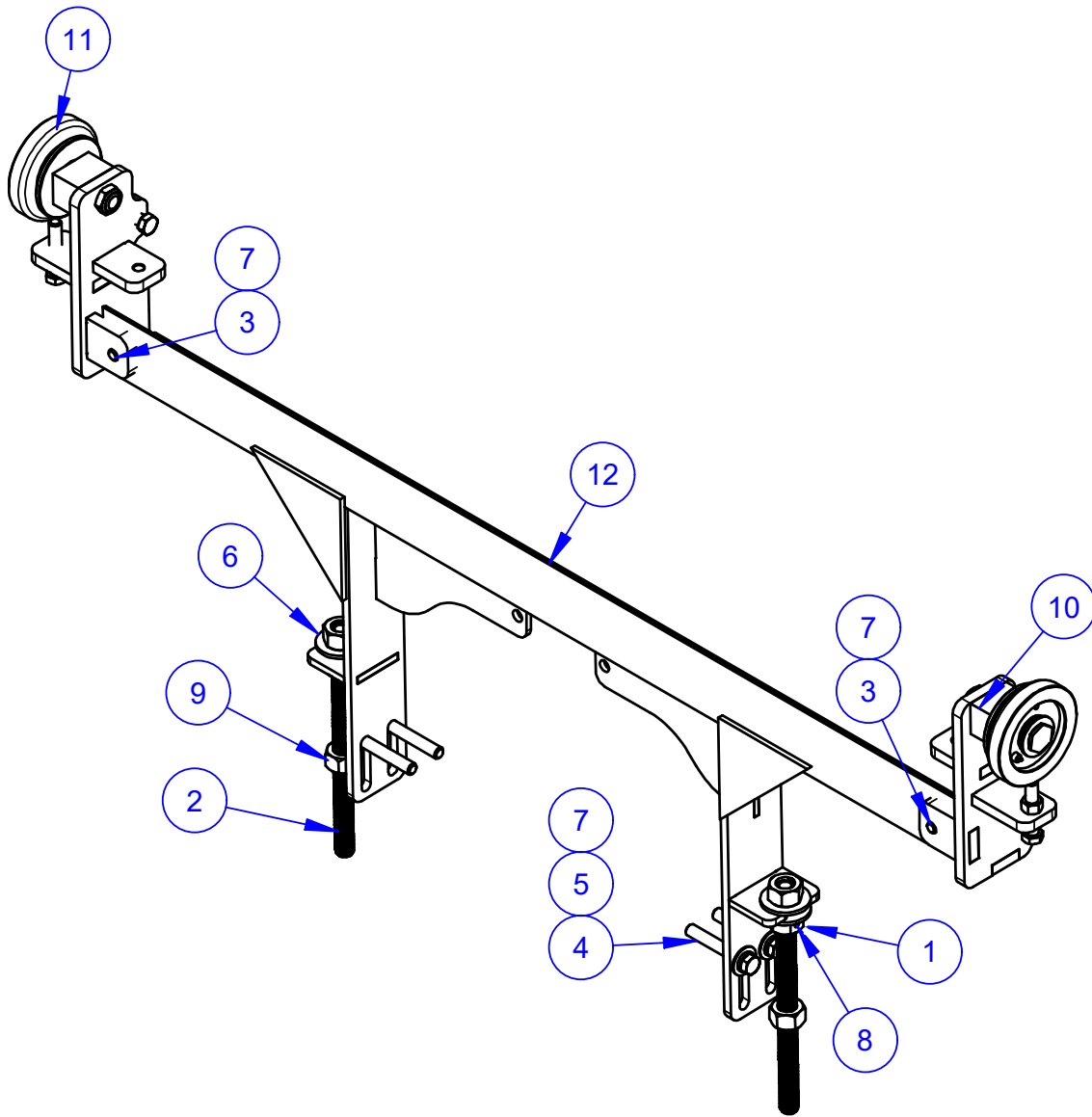
Frame Adjusting Rod Assembly



ITEM	PART #	DESCRIPTION	QTY
-	2883-176	Assembly, Frame Adjusting Rod	-
1	052156	Fastener, Nut, Hex, 1-1/4"-4, Grade 8	4
2	052168	Fastener, Washer, Flat, Set, 1-1/4", Grade 8	2
3	052169	Fastener, Washer, Flat, 1-1/4", Grade 8	2
4	052171	Spacer, 1-1/2" x 3/16" x 2"	2
5	052172	Bearing, Thrust, 1-1/4"	2
6	052472	Rod, All-Thread, 1-1/4"-4 x 18"	1

Hanger Profile Assembly

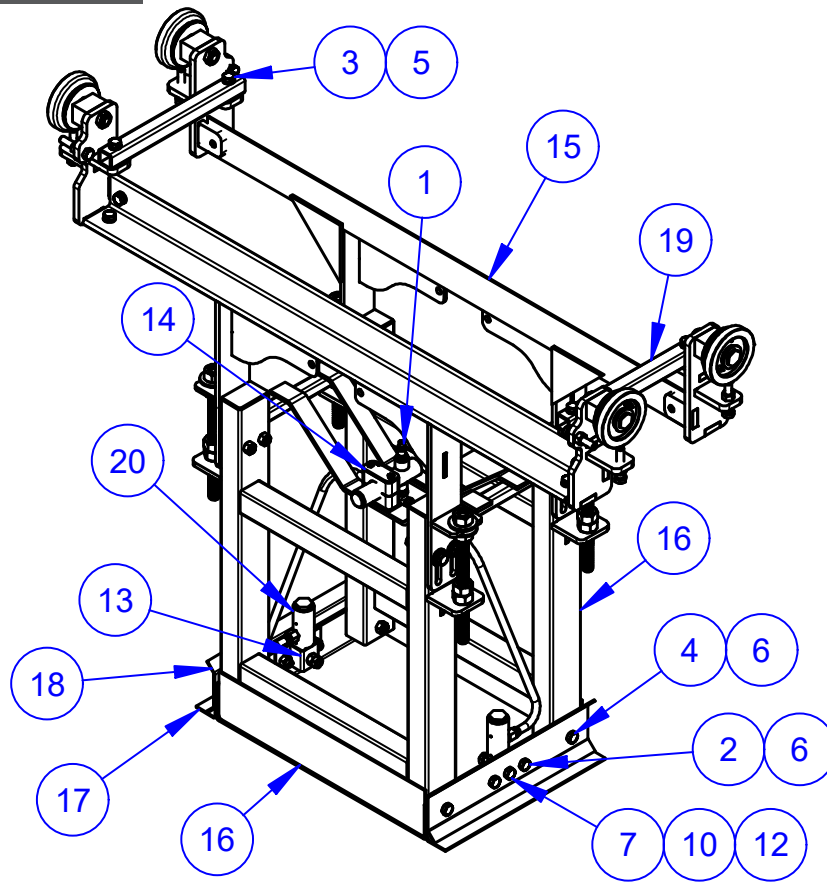
SECTION 4 PARTS



ITEM	PART #	DESCRIPTION	QTY
-	074823	Assembly, Hanger Profile, 3036 VLP	-
1	2907-043	Fastener, Nut, 3/4"-6, with Set Screw	2
2	2907-050	Rod, Profile Adjustment	2
3	010067	Fastener, Bolt, HHCS, 1/2"-13 x 1", Grade 8	4
4	010076	Fastener, Bolt, HHCS, 1/2"-13 x 3-1/4", Grade 8	4
5	010085	Fastener, Washer, Flat, 1/2", Grade 8	4
6	010087	Fastener, Washer, Flat, 3/4", Grade 8	4
7	010093	Fastener, Washer, Lock, 1/2", Grade 8	8
8	010316	Fastener, Screw, 1/4"-20 x 1/4"	2
9	051457	Fastener, Nut, Hex, Zinc	2
10	074808	Assembly, Profile Mount, Right Hand, 3036VLP	1
11	074810	Assembly, Profile Mount, Left Hand, 3036VLP	1
12	074815	Weldment, Bracket, Track Mount	1

SECTION 4 PARTS

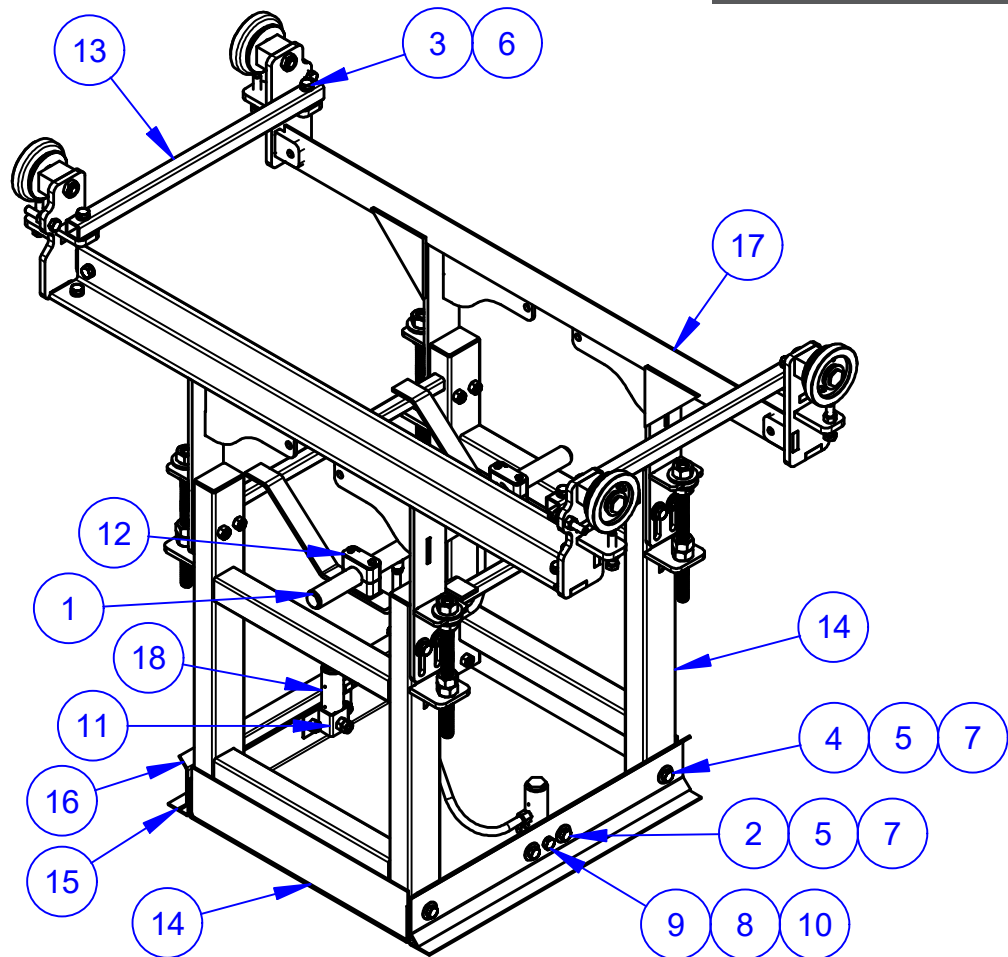
Paving Profile Assembly - 16"



ITEM	PART #	DESCRIPTION	QTY
-	074828	Assembly, Paving Profile, 16", VLP3036	-
1	2948-020	Weldment, Profile Air Supply, 17.25"	1
2	010068	Fastener, Bolt, HHCS, 1/2"-13 x 1-1/4", Grade 8	4
3	010071	Fastener, Bolt, HHCS, 1/2"-13 x 2", Grade 8	4
4	010075	Fastener, Bolt, HHCS, 1/2"-13 x 3", Grade 8	4
5	010093	Fastener, Washer, Lock, 1/2", Grade 8	4
6	010106	Fastener, Nut, Hex, 1/2"-13", Grade 8	8
7	010107	Fastener, Nut, 1/2"-20, Grade 8	2
8	010193	Fitting, Pushlock, Male, 1/4" x 1/4"-18	4
9	010318	Fitting, Galvanized, Tee, 1/4" NPT	1
10	011488	Fastener, Bolt, HHCS, 1/2"-20 x 2-1/2", Grade 8	2
11	012393	Fitting, Nipple, 1/4" NPT x 7/8", Black	1
12	012981	Fastener, Nut, Stover, 1/2"-20, Grade 8	2
13	020053	Bracker, Vibrator Mount	2
14	051299	Clamp, for Cure Spray Bar	2
15	074823	Assembly, Profile Hanger	2
16	074825	Weldment, Paving Profile, 16"	1
17	074829	Blade, Screed, for 16" Profile	2
18	074830	Blade, Shedder, for 16" Profile	2
19	074831	Tube, 16" Track Mount Support	2
20	111000	Vibrator, Brass	2

Paving Profile Assembly - 26"

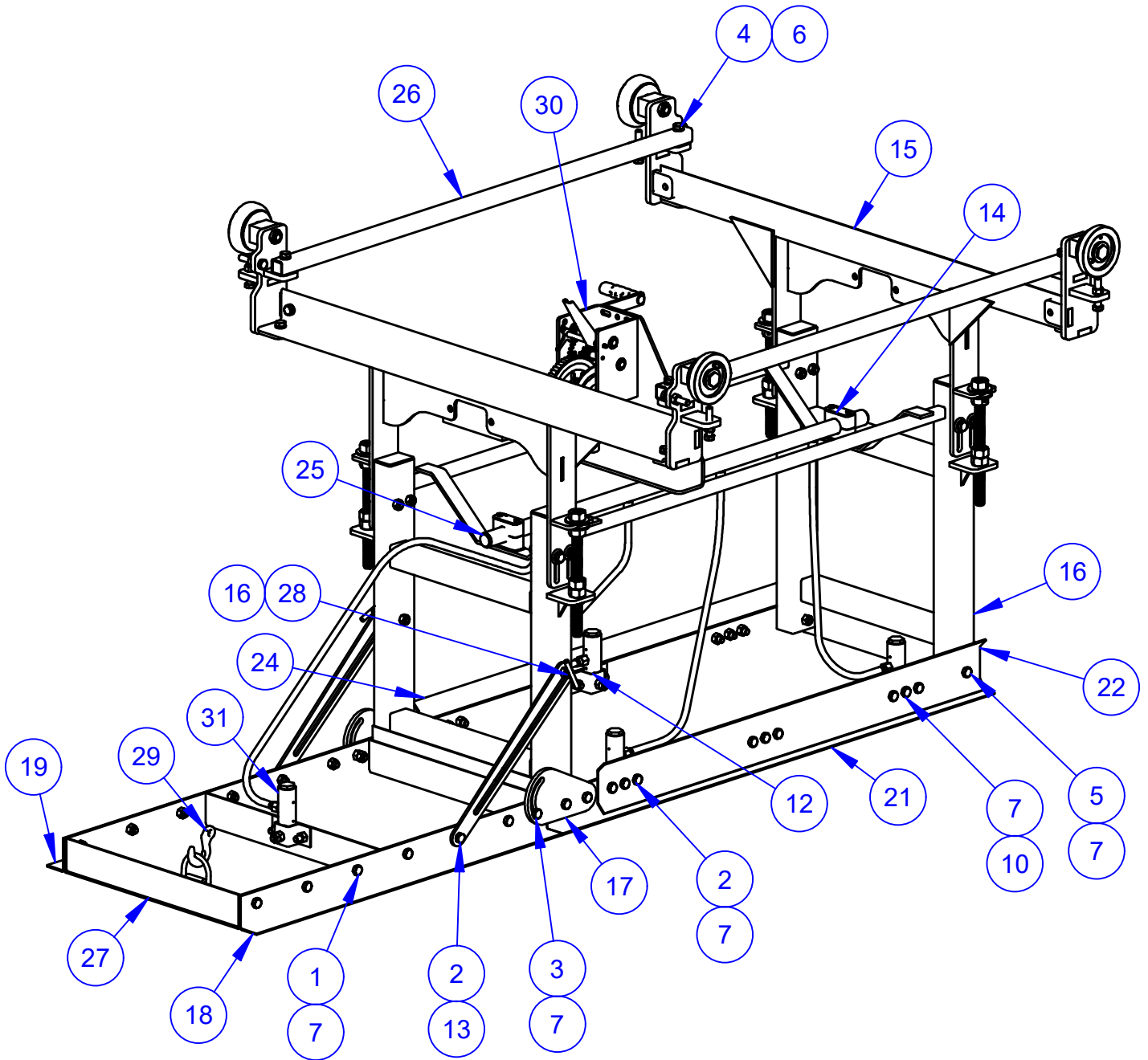
SECTION 4 PARTS



ITEM	PART #	DESCRIPTION	QTY
-	074817	Assembly, Paving Profile, 19.5", VLP0336	-
1	2883-097	Weldment, Profile Air Supply, 32", 34.6"	1
2	010068	Fastener, Bolt, HHCS, 1/2"-13 x 1-1/4", Grade 8	4
3	010071	Fastener, Bolt, HHCS, 1/2"-13 x 2", Grade 8	4
4	010075	Fastener, Bolt, HHCS, 1/2"-13 x 3", Grade 8	4
5	010085	Fastener, Washer, Flat, 1/2", Grade 8	8
6	010093	Fastener, Washer, Lock, 1/2", Grade 8	4
7	010106	Fastener, Nut, Hex, 1/2"-13, Grade 8	8
8	010107	Fastener, Nut, Hex, 1/2"-20, Grade 8	2
9	011488	Fastener, Bolt, HHCS, 1/2"-20 x 2-1/2", Grade 8	2
10	012981	Fastener, Nut, Stover, 1/2"-20, Grade 8	2
11	020053	Bracket, Brass Vibrator Mount	2
12	051299	Clamp, for Cure Sprayer Bar	2
13	074816	Tube, 26" Track Mount Support	2
14	074818	Weldment, 26" Profile	1
15	074821	Blade, Screed, for 26" Profile	2
16	074822	Blade, Shedder, for 26" Profile	2
17	074823	Assembly, Profile Hanger	2
18	111000	Vibrator, Brass	2

SECTION 4 PARTS

Paving Profile Assembly - 88"



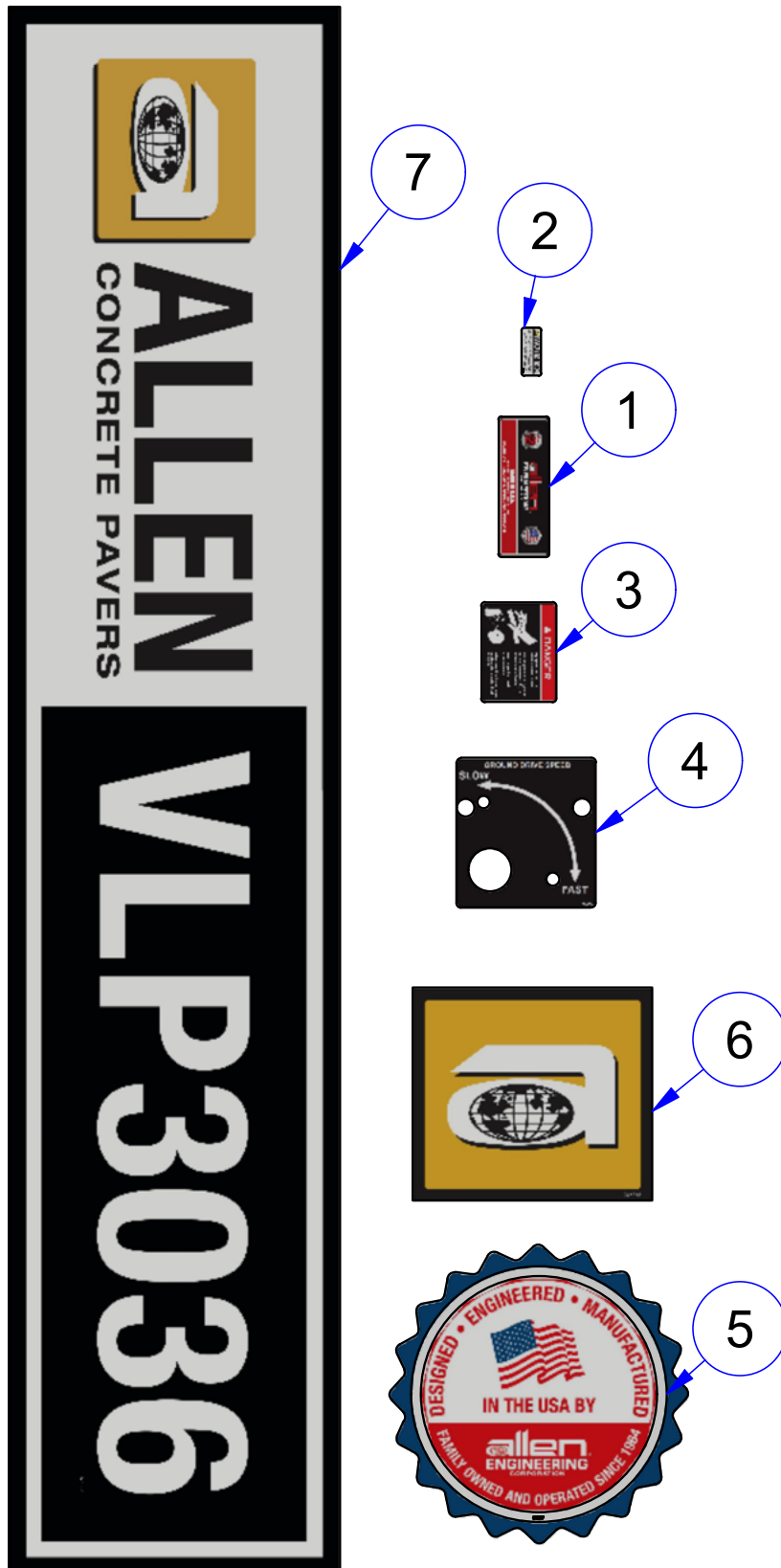
Paving Profile Assembly - 88"

SECTION 4 PARTS

ITEM	PART #	DESCRIPTION	QTY
-	074835	Assembly, Paving Profile, 88", VLP0336	-
1	010067	Fastener, Bolt, HHCS, 1/2"-13 x 1", Grade 8	10
2	010068	Fastener, Bolt, HHCS, 1/2"-13 x 1-1/4", Grade 8	21
3	010070	Fastener, Bolt, HHCS, 1/2"-13 x 1-3/4", Grade 8	2
4	010071	Fastener, Bolt, HHCS, 1/2"-13 x 2", Grade 8	4
5	010075	Fastener, Bolt, HHCS, 1/2"-13 x 3", Grade 8	4
6	010093	Fastener, Washer, Lock, 1/2", Grade 8	4
7	010106	Fastener, Nut, Hex, 1/2"-13, Grade 8	37
8	010107	Fastener, Nut, Hex, 1/2"-20, Grade 8	4
9	010193	Fitting, Pushlok, Male, 1/4" x 1/4"-18	8
10	011488	Fastener, Bolt, HHCS, 1/2"-20 x 2-1/2", Grade 8	4
11	012981	Fastener, Nut, Stover, 1/2"-20, Grade 8	4
12	040208	Mount, Bracket for Brass Vibrator	4
13	040208	Fastener, Nut, Stover, 1/2"-13, Grade 8	2
14	051299	Clamp, for Cure Spray Bar	2
15	074823	Assembly, Profile Hanger	2
16	074832	Weldment, Paving Profile, 51.5"	1
17	074837	Pivot, Swing-up	2
18	074839	Blade, Screed, Right Hand, for 36.5" Profile	1
19	074840	Blade, Creed, Left Hand, for 36.5" Profile	1
20	074842	Slide, for Swing-up	2
21	074845	Blade, Screed, Left Hand, for 51.5" Profile	1
22	074846	Blade, Shedder, Right Hand, for 45.5" Profile	1
23	074847	Blade, Screed, Right Hand, for 51.5" Profile	1
24	074848	Blade, Shedder, Left Hand, for 45.5" Profile	1
25	074850	Weldment, Profile Air Supply, 45.25"	1
26	074851	Tube, Track Mount Support, 48-7/8	2
27	074862	Assembly, Profile, Swing-Up	1
28	074893	T-Handle, for Swing-up	2
29	110008	Hook, Slip, 1/4" Plated Bulk	1
30	110101L	Winch, Left Hand	1
31	111000	Vibrator, Brass	4

SECTION 4
PARTS

Decals, VLP3036



Decals, VLP3036 Parts List

SECTION 4 PARTS

ITEM	PART #	DESCRIPTION	QTY
-	075365	Kit, Decals VLP3036	-
1	069123	AEC Info	1
2	069225	Proposition 65	1
3	070402	Danger, High Pressure Warning	1
4	070654	Ground Drive Speed, Slow/Fast	1
5	075277	Made In America	1
6	075373	AEC Brand Logo Mark 8" x 8"	4
7	075384	Allen Concrete Pavers VLP3036	2
-	070131	Patent Pending (Not Shown)	2
-	070656	No Step (Not Shown)	2
-	075193	QR Code Equipment Info (Not Shown)	2
-	070653	Ground Drive/Power Widening Controls (Not Shown)	1
-	070655	Ground Drive Controls (Not Shown)	1

Revision Detail

MANUAL REVISION DETAIL			
REVISION #	REVISION DATE	REVISION REFERENCE #	REVISION BY
-	03/21	Initial Release	MW
A	01/22	Updated Covers	MK
B	02/22	Updated Decals	MK



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