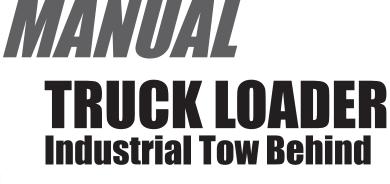
# **SCAC** POWER EQUIPMENT



**OPERATOR'S** 

Model: TLB25-49KBD

\*Actual product may differ from photo

CAR GIANT-VA

Congratulations on owning a Scag Power Equipment truck loader! This manual contains the operating instructions and safety information for your Scag Power Equipment truck loader. Reading this manual can provide you with assistance in maintenance and adjustment procedures to keep your truck loader performing to maximum efficiency. The specific models that this book covers are listed on the inside cover. Before operating your truck loader, please read all the information enclosed.

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### FAILURE TO FOLLOW SAFE OPERATING PRACTICES MAY RESULT IN SERIOUS INJURY OR DEATH.

- Read this manual completely as well as other manuals that came with your truck loader.
- ALWAYS FOLLOW OSHA APPROVED OPERATION.
- Become familiar with the safe operation of the equipment, operator controls and safety signs.
- Check operation of brake, tail, marker and license plate lights frequently. Replace as required.
- Make sure the operator of the tow vehicle has the operator of the truck loader in full view at all times. Also, when operating the unit, instruct the operator to stay to the side of the machine, never in front or behind.
- Keep all shields and guards securely in place.
- Be sure all safety features are attached, adjusted and functioning properly.
- Before performing any maintenance or service, stop the machine and remove the spark plug wire.
- If a mechanism becomes clogged, stop the engine and wait for all moving parts to stop before cleaning.
- Keep hands, feet and clothing away from power-driven parts.

### **REMEMBER - YOUR TRUCK LOADER IS ONLY AS SAFE AS THE OPERATOR!**

#### HAZARD CONTROL AND ACCIDENT PREVENTION ARE DEPENDENT UPON THE AWARENESS, CONCERN, PRUDENCE, AND PROPER TRAINING OF THE PERSONNEL INVOLVED IN THE OPERATION, TRANSPORT, MAINTENANCE, AND STORAGE OF THE EQUIPMENT.

This manual covers the operating instructions and illustrated parts list for:				
TLB25-49KBD with a serial number of T2400001 to T249999				
Always use the entire serial number listed on the serial number tag when referring to this product.				

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### Section 1

### **GENERAL INFORMATION**

#### **1.1 INTRODUCTION**

Your Scag Power Equipment product was built to the highest standards in the industry. However, the prolonged life and maximum efficiency of your truck loader depends on you following the operating, maintenance and adjustment instructions in this manual.

If additional information or service is needed, contact your Scag Power Equipment Dealer.

We encourage you to contact your dealer for repairs. All Scag Power Equipment dealers are informed of the latest methods to service this equipment and provide prompt and efficient service in the field or at their service shop. They carry a full line of Scag Power Equipment service parts.

#### - IMPORTANT -

The replacement of any part on this product by other than the manufacturer's authorized replacement part may adversely affect the performance, durability or safety of this product.

Use of other than original Scag Power Equipment replacement parts will void the warranty.

When ordering parts, always give the model and serial number of your product. The serial number plate is located on the frame next to the engine.

### USE ONLY SCAG POWER EQUIPMENT APPROVED ATTACHMENTS AND ACCESSORIES.

Attachments and accessories manufactured by companies other than Scag Power Equipment are not approved for use on this machine. See Section 6-1.

### WARNING

For pictorial clarity, some illustrations and figures in this manual may show shields, guards or plates open or removed. Under no circumstances should this product be operated without these devices in place.

All information is based upon product information available at the time of approval for printing. Scag Power Equipment reserves the right to make changes at any time without notice and without incurring any obligation.

#### **1.2 DIRECTION REFERENCE**

The "Right" and "Left", "Front" and "Rear" of the machine are referenced from the operator's right and left when in the normal operating position and facing the forward travel direction.

#### 1.3 SERVICING THE ENGINE AND DRIVE TRAIN COMPONENTS

Details regarding the service and repair of the engine are not covered in this manual; only routine maintenance and general service instructions are provided. For service of these components during the limited warranty period, it is important to contact your Scag Power Equipment dealer or find a local authorized servicing agent of the component manufacturer. <u>Any unauthorized work done on</u> <u>these components during the warranty period may void</u> <u>your warranty</u>.



### **1.4 SYMBOLS**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	Choke	Q	Transmission
	On/Start		Spring Tension on Idler
0	Off/Stop	$\Diamond$	Oil
SF.	Spinning Fan Blades	次	Thrown Object Hazard
<b>\$</b>	Fast		Slow
	Continuously Variable - Linear		Pinch Point
<b>∎</b> ⊷¶*	Keep Bystanders Away		Read Operator's Manual

### SAFETY INFORMATION

#### 2.1 INTRODUCTION

Your truck loader is only as safe as the operator. Carelessness or operator error may result in serious bodily injury or death. Hazard control and accident prevention are dependent upon the awareness, concern, prudence, and proper training of the personnel involved in the operation, transport, maintenance and storage of the equipment. Make sure every operator is properly trained and thoroughly familiar with all of the controls before operating. The owner/user can prevent and is responsible for accidents or injuries occurring to themselves, other people or property.

#### READ THIS OPERATOR'S MANUAL BEFORE ATTEMPTING TO START YOUR TRUCK LOADER.

A replacement manual is available from your authorized Scag Power Equipment Dealer or by contacting Scag Power Equipment Service Department at P.O. Box 152, Mayville, WI 53050 or contact us via the Internet at www.scag.com. The manual for this machine can be downloaded by using the model and serial number or use the contact form to make your request. Please indicate the complete model and serial number of your Scag Power Equipment product when requesting replacement manuals.

#### **2.2 SIGNAL WORDS**



This symbol means "Attention! Become Alert! Your Safety is Involved!" The symbol is used with the following signal words to attract your attention to safety messages found on the decals on the machine and throughout this manual. The message that follows the symbol contains important information about safety. To avoid injury and possible death, carefully read the message! Be sure to fully understand the causes of possible injury or death.

#### SIGNAL WORD:

It is a distinctive word found on the safety decals on the machine and throughout this manual that alerts the viewer to the existence and relative degree of the hazard.

### **DANGER**

The signal word "DANGER" denotes that an extremely hazardous situation exists on or near the machine that could result in high probability of death or irreparable injury if proper precautions are not taken.

### 

The signal word "WARNING" denotes that a hazard exists on or near the machine that can result in injury or death if proper precautions are not taken.

### 

The signal word "CAUTION" is a reminder of safety practices on or near the machine that could result in personal injury if proper precautions are not taken.

Your safety and the safety of others depends significantly upon your knowledge and understanding of all correct operating practices and procedures of this machine.

## 2.3 BEFORE OPERATION CONSIDERATIONS

- 1. Check the engine oil level and add oil as needed to bring the level up to the FULL mark. See engine owner's manual for oil specifications.
- NEVER allow children to operate this machine. Do not allow adults to operate this machine without proper instructions.
- 3. Keep bystanders, children and pets away from the machine.
- 4. Do not operate when children and/or others are present. Keep children out of the work area and in the watchful care of a responsible adult other than the operator. Be alert and turn machine off if a child enters the area.
- 5. DO NOT allow children to ride or play on the machine, it is not a toy.

# SCAG

- 6. DO NOT operate the machine under the influence of alcohol or drugs.
- 7. Before and during reverse operation, look behind and down for small children and/or pets.
- If the operator(s) or mechanic(s) cannot read English, it is the owner's responsibility to explain this material to them.
- 9. DO NOT wear loose fitting clothing. Loose clothing, jewelry or long hair could get tangled in moving parts. Do not operate the machine wearing shorts; always wear adequate protective clothing including long pants. Wearing safety glasses, safety shoes and a helmet is advisable and is required by some local ordinances and insurance regulations.

# WARNING

Always wear hearing protection. Operating this machine over prolonged periods of time can cause loss of hearing.

 Keep the machine and attachments in good operating condition. Keep all shields and safety devices in place. If a shield, safety device or decal is defective or damaged, repair or replace it before operating the machine.

# WARNING

Belts, belt guards, hoses, intake nozzles and discharge tubes are subject to wear, damage and/ or deterioration, which could expose moving parts or allow objects to be thrown. Frequently check components and replace with manufacturer's recommended parts when necessary.

- 11. Thoroughly inspect the area where the equipment is to be used and remove all foreign objects.
- 12. Evaluate the terrain to determine what accessories and attachments are needed to properly and safely perform the job. Use only approved attachments and accessories.
- 13. See Section 5.3 ENGINE FUEL SYSTEM for fueling procedure.
- 14. Use a funnel or spout to prevent spillage.
- 15. Never refuel indoors.

 Keep flammable objects (cigarettes, matches, etc.), open flames and sparks away from the fuel tank and fuel container. Use only approved containers.



Fuel is highly flammable. Take the following precautions:

Store fuel in containers specifically designed for this purpose.

Refuel outdoors only and do not smoke while refueling.

Add fuel before starting the engine. Never remove the cap on the fuel tank or add fuel while the engine is running or when the engine is hot.

If fuel is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until fuel vapors have disappeared.

Replace all fuel tank and container caps securely.

- 17. Check the inlet hose, discharge tube, wear liners, impellers, debris receiver box and components frequently for signs of wear or deterioration and replace as needed to prevent injury from thrown objects going through weak or torn spots.
- 18. Never attempt to make any adjustments while the engine is running unless specifically recommended by the manufacturer.
- 19. Check the engine mounting bolts at frequent intervals for proper tightness.
- 20. Use care when hooking or unhooking the machine to a tow vehicle.
- 21. Check operation of brake, tail, side marker and license plate lights frequently. Replace failed or damaged parts as needed.



#### 2.4 OPERATION CONSIDERATIONS

This truck loader is designed for use at highway speeds in normal conditions.

# 

Tow at speeds appropriate for conditions. Reduce speeds for:

- Rough Roads
- Winding Roads
- Cornering

• Adverse weather including rain, snow, ice and high winds

- 1. Know the function of all controls and how to stop quickly in case of an emergency.
- 2. Do not carry passengers. Keep bystanders, children and pets away from the machine.
- 3. Make sure the hose and boom are secured before transporting your Truck Loader.
- 4. Do not operate without the discharge connected to a debris receiver box.
- 5. Do not overload the machine by attempting to chip or shred any material beyond the manufacturer's recommendation.
- 6. Do not operate on slopes if you are uneasy or uncertain. Ultimate responsibility for safe operation on slopes rests with the operator.
- 7. Exercise extreme caution when making turns or changing direction on slopes. Keep all movements slow and gradual.
- 8. Slow down and use caution when making turns and crossing roads and side walks.
- 9. Be sure of your footing. Poor footing could cause a slip and fall accident.
- 10. When using this machine, never direct the material being collected toward bystanders or allow anyone near the machine while in operation.
- 11. Do not operate around cars, windows, or other items which could be damaged by blown debris.

- 12. Before attempting to start the engine, inspect the machine, inlet hose, discharge, debris receiver box, shields and safety devices for any damage. Correct any problems before operating.
- Stop on level ground and shut off the engine before leaving the operator's position for any reason including emptying the debris box or clearing an obstruction in the intake or discharge.
- 14. If the truck loader ever plugs, shut off the engine, and wait for all movement to stop before removing the obstruction.

## **WARNING**

DO NOT use your hand to dislodge the clogged material. Use a stick or other device to remove clogged material after the engine has stopped running and the blower fan has stopped turning.

- 15. If the machine begins to vibrate abnormally, shut the machine off immediately. Inspect the machine and have repairs made before restarting.
- Be alert for holes, rocks, roots and other hidden hazards in the terrain. Cautiously enter a new area. Be alert for hidden hazards.
- 17. Do not operate near drop-offs, ditches or embankments. You could lose your footing, balance or drive the machine off the edge.
- 18. Use only in daylight or good artificial light.
- 19. Do not leave the machine unattended.
- 20. The machine and attachments should be stopped and inspected for damage after striking a foreign object, and damage should be repaired before restarting and operating the machine.
- 21. Keep hands and feet away from blower intake and discharge. Contact can injure.

## 

Do not touch the engine or the muffler while the engine is running or immediately after stopping. These areas may be hot enough to cause a burn.

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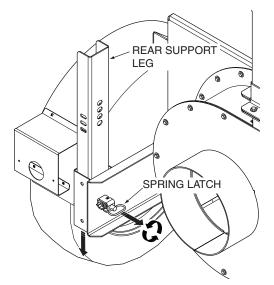
# **A** DANGER

DO NOT run the engine inside a building or a confined area without proper ventilation. Exhaust fumes are hazardous and contain carbon monoxide which can cause brain injury and death.

- 22. Keep hands and feet away from all other moving parts. Contact can injure.
- 23. Use care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.
- 24. NEVER leave the machine running unattended.

# 2.5 MAINTENANCE CONSIDERATIONS & STORAGE

- 1. Check wear liners and impeller on a regular basis for bent, worn or cracked blades. Only replace impellers. Do not straighten or weld the impeller fan.
- 2. Never make adjustments to the machine with the engine running unless specifically instructed to do so. If the engine is running, keep hands, feet, and clothing away from moving parts.
- 3. Never operate the machine when uncoupled from the tow vehicle.
- 4. Remove the ignition key to prevent accidental starting of the engine when servicing or adjusting the machine. Wait for all movement to stop before adjusting, cleaning or repairing.
- 5. Keep all nuts, bolts and screws tight, especially the impeller bolt, to ensure the machine is in safe working condition.
- 6. Do not change the engine governor settings or overspeed the engine. See the engine operator's manual for information on engine settings.
- 7. To reduce fire hazard, keep the muffler and engine free of grass, leaves, excessive grease, oil and dirt.
- 8. Park the machine on level ground.
- 9. Block the wheels to prevent the machine from moving.
- 10. Lower the Support Leg to the ground and secure with the spring latch when the machine is not attached to a tow vehicle. See Figure 2-1.



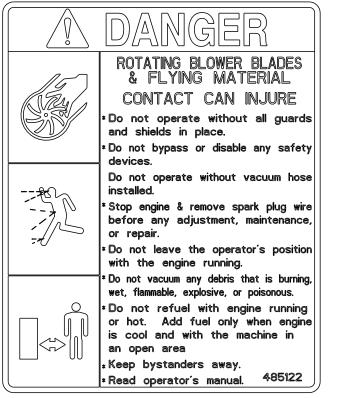
#### Figure 2-1. Lowering the Rear Support Leg

- 11. NEVER allow untrained personnel to service the machine.
- 12. Keep all parts in good working condition. Replace all worn or damaged decals.
- 13. Use jack stands to support components when required.
- 14. Let the engine cool before storing.
- 15. Keep the unit locked in a secure location and disconnect the battery to prevent unauthorized personnel, especially children, from playing and/or tampering with the unit.
- 16. DO NOT store the machine near an open flame.
- 17. Always follow the engine manufacturer's recommendation for storing and returning to service.
- 18. Shut off fuel while storing or transporting.

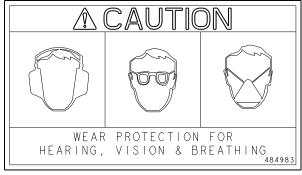
### 2.6 USING A SPARK ARRESTOR

The engine on this machine may not be equipped with a spark arrestor muffler. It is in violation of California Public Resource Code Section 4442 to use or operate this engine on or near any forest covered, brush covered or grass covered land unless the exhaust system is equipped with a spark arrestor meeting any applicable local or state laws. Other states or federal areas may have similar laws. Check with your state or local authorities for regulations pertaining to these requirements.

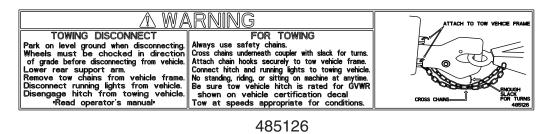
### 2.7 SAFETY AND INSTRUCTIONAL DECALS















### **SPECIFICATIONS**

### **3.1 ENGINE**

General Type Model:	Heavy Duty Industrial/Commercial Diesel
Scag Model TLB25-49KBD	Kubota V1803
Displacement:	
Kubota V1803	1.826 L (111.4 cu. in.)
Туре:	
Kubota V1803	4-Cycle, Liquid Cooled Diesel
Cylinders	
Governor	Isochronous Type with Variable Speed Control Set At 2700 RPM
Idle Speed:	
Kubota	
Fuel Pump:	
Kubota	Mechanical with In-Line Fuel Filter
Fuel	Ultra Low Sulfur Diesel Fuel with a minimum cetane rating of 40
Oil Pump	Full Pressure w/Full-Flow Filter
Starter.	Electric Starting with Solenoid Shift
	5

### **3.2 IMPELLER**

Impeller Diameter	Balanced 25" Steel
Number of Blades	
CFM (cubic feet / min.) - TLB25-49KBD	
Wear Liner	
Intake Hose	
Discharge	
5	

### **3.3 WEIGHTS AND DIMENSIONS**

Hitch Height	Adjustable
Optional Hitch Ball Diameter	
Hitch Class Required	Class III or Larger
Discharge Height	
Weight	
Tire Size:	
(2) Rear	ST205/17 D15
Tire Pressure:	
(2) Rear	



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### **OPERATING INSTRUCTIONS**

### 

Do not attempt to operate this machine unless you have read this manual. Learn the location and purpose of all controls and instruments before you operate.

# 4.1 CONTROLS AND INSTRUMENT IDENTIFICATION

Before operating the truck loader, familiarize yourself with all truck loader and engine controls. Knowing the location, function and operation of these controls is important for safe and efficient operation.

- 1. Ignition Switch (Figure 4-1). The ignition switch is used to start the engine and has three positions; OFF, ON, and START.
- 2. Engine Throttle Control (Figure 4-1). Used to control the engine speed. Push the throttle control button up (rabbit) to increase engine speed and push the throttle control button down (turtle) to decrease engine speed.
- **3.** Hourmeter (Figure 4-1). Indicates the number of hours the engine has been operated.
- 4. Tongue Jack (Figure 4-1). Used to raise and lower the ball hitch receiver or optional pintle hitch onto or off of the tow vehicle.

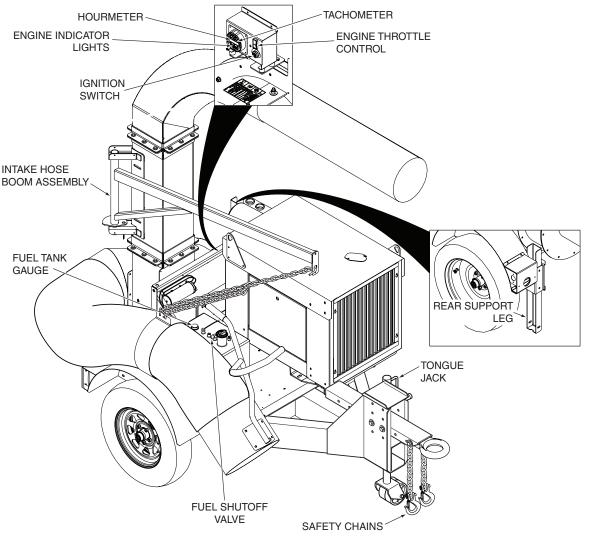


Figure 4-1. Controls and Instruments

- 5. Safety Chains (Figure 4-1). Used to connect to the tow vehicles cradle draw bar in criss-cross fashion in case of an accidental disconnect.
- 6. Rear Support Leg (Figure 4-1). Used to support the truck loader when disconnected from the tow vehicle.

# A WARNING

Failure to lower the Rear Support Leg when the Truck Loader is not connected to a tow vehicle can result in unit rollover, unit damage and personal injury.

- 7. Fuel Tank Gauge (Figure 4-1). Indicates the amount of fuel in the fuel tank.
- 8. Fuel Shutoff Valve (Figure 4-1). Located on the fuel tank. Used to shut off fuel supply to the engine. Rotate the valve counter clockwise to supply fuel. Rotate the valve clockwise to shut off fuel supply.
- 9. Intake Hose Boom Assembly (Figure 4-1). Used to support the intake hose. The support chain can be raised or lowered until the intake nozzle floats 2-3 inches from the ground to help make operation easy and comfortable.
- **10. Hourmeter (Figure 4-1).** Indicates the number of RPM's the engine has being operated at.
- **11. Engine Indicator Lights (Figure 4-1).** Indicates the operation of the engine sensors for battery voltage, oil pressure, water temperature and glow plug pre-heat. If a problem occurs with a sensor on the engine, the light will iluminate (excluding the glow plug pre-heat). See your authorized Scag Power Equipment Dealer for diagnosis and repair.

### **4.2 INITIAL RUN-IN PROCEDURES**

#### FIRST DAY OF USE OR APPROXIMATELY 20 HOURS

- 1. Change the engine oil and oil filter after the first 20 hours of operation. (See Section 5.2).
- 2. Check for loose hardware. Tighten as needed.
- 3. Check tire pressure. Adjust pressure if necessary. (See Section 5.5).

#### **4.3 CONNECTING TO TOW VEHICLE**

- 1. Back the tow vehicle up to the truck loader.
- 2. Raise or lower the tongue jack until the pintle ring on the truck loader is higher than the horn of the pintle hook on the tow vehicle.
- 3. With assistance behind, back up slowly, align the pintle ring and pintle hook.
- 4. Lower the front of the truck loader using the wheel jack until the pintle ring drops completely onto the pintle hook and securely lock.
- 5. Connect the safety chains to the tow vehicle in criss-cross fashion to the cradle draw bar in case of accidental disconnect. See Figure 4-2.

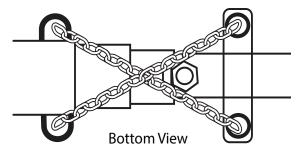


Figure 4-2. Safety Chains

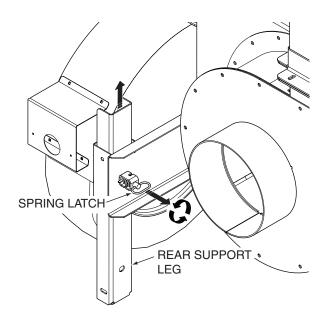
6. Connect the trailer wiring plug to the trailer socket on the tow vehicle and check for proper operation of all lights and signal indicators.

#### -NOTE-

The Truck Loader is equipped with a 7-Way flat spade connector. If the tow vehicle is equipped with anything other than a 7-Way flat spade connector, an adapter will be required.

 Pull and turn the spring latch to unlock the pin securing the rear support leg in the lowered position. See Figure 4-3.





#### Figure 4-3. Raising the Rear Support Leg

8. Raise the rear support leg and secure in the transport position using the spring latch.

### 4.4 STARTING THE ENGINE

### 

DO NOT USE STARTING FLUIDS. Use of starting fluids in the air intake system may be potentially explosive or cause a "runaway" engine condition that could result in engine damage and/or personal injury.

- 1. Move the machine to a flat open area.
- 2. Be sure the fuel shutoff valve, located on the fuel tank, is completely open. See Figure 4-1.
- 3. Move the engine throttle control to approximetly onefourth engine speed.
- 4. Turn the ignition key to the on position until the indicator for the glow plugs goes out. Then turn the ignition key to the START position and release the key as soon as the engine starts. Do not hold the key in the START position for more than 15 seconds at a time. Allow at least 60 seconds between each cranking attempt to prevent overheating of the starter motor. Prolonged cranking can damage the starter motor and shorten battery life.
- 5. Allow engine to warm before operating the truck loader.

#### 4.5 OPERATION

This truck loader has been designed to pick up dry organic debris such as leaves, grass clippings, shavings and small amounts of sand. Vacuuming hard non-organic material will affect the life of your machine. Sand is abrasive and will produce wear of items including the blower housing, wear liners, impeller and nose cone.

# WARNING

DO NOT operate the machine without being attached to a tow vehicle and debris box. Always wear eye, ear and breathing protection when operating machine.

1. Read Section 2.3 BEFORE OPERATION CONSIDERATIONS and Section 2.4 OPERATION CONSIDERATIONS before operating.

# 

Tow at speeds appropriate for conditions. Reduce speeds for:

- Rough Roads
- Winding Roads
- Cornering
- Adverse weather including rain, snow, ice and high winds
- 2. Adjust the height of the intake nozzle. For maximum debris pickup, the intake nozzle should be as close to the debris as possible without blocking airflow and the engine speed should be set at full throttle.
- 3. Not all debris pick up will require that the engine speed be set to "Fast". You can experiment with the intake nozzle height and engine speed to best suit your conditions.
- 4. Operating in dry dusty conditions may require that the engine speed be set to a slower position to reduce the amount of small particles of debris escaping.
- 5. For peak performance, keep the debris box clean and do not overfill.
- 6. Make sure the driver of the tow vehicle has the operator in full view at all times.



7. When operating, instruct the operator to stay to the side of the machine, never in front or behind.

# **WARNING**

DO NOT remove the Truck Loader from the tow vehicle or debris box with the engine running. STOP the engine and allow all rotation to stop.

- 8. If the intake nozzle or discharge becomes plugged, shut off the engine and remove the ignition key. The engine must come to a complete stop before attempting to remove obstruction from inlet nozzle or discharge area. Using a stick or similar item, dislodge the clogged material. Then resume normal operation.
- 9. Plan how to clear the area to reduce clearing time.
- 10. Collecting debris into piles for the machine to intercept prior to start up will save time and fuel as well as wear and tear on the unit.
- 11. Keep the truck loader's intake nozzle and discharge clean.
- 12. Use a slow travel speed when clearing heavy or large amounts of material.

#### **4.6 HILLSIDE OPERATION**

Slopes are a major factor related to loss-of-control and tip over accidents which can result in severe injury or death. All slopes require extra caution.

# 

DO NOT operate on steep slopes. Poor footing could cause a slip and fall accident. ALWAYS FOLLOW OSHA APPROVED OPERATION.

- 1. Do not operate on slopes if you are uneasy or uncertain. Ultimate responsibility for safe operation on slopes rests with the operator.
- 2. Be sure of footing on slopes.
- 3. Caution must be used when operating on slopes, especially when the grass is wet. Wet grass reduces traction and control.

- 4. To prevent tipping or loss of control, keep all movements on slopes slow and gradual.
- 5. Do not turn on slopes unless necessary, and then turn slowly and down hill when possible.
- 6. Do not start or stop on slopes. If tires lose traction, stop the unit and proceed slowly straight down the slope.
- 7. Be alert for holes, rocks, roots, ruts and other hidden hazards in the terrain. Uneven terrain could cause a slip and fall accident.
- Do not operate near drop-offs, ditches, or embankments. The operator could lose footing or balance or unit could suddenly turn over if a wheel is over the edge of a cliff or ditch, or if the edge caves in.

### 4.7 UNCOUPLING THE UNIT FROM THE TOW VEHICLE

- 1. Park the machine on a flat, level surface only. Do not park the machine on an incline.
- 2. Block the wheels to prevent the machine from moving. See Figure 4-4.

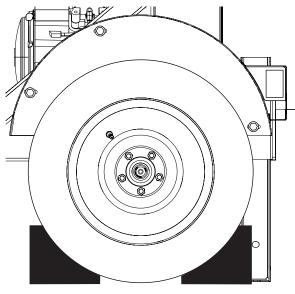


Figure 4-4. Wheel Chocks

- 3. Disconnect the trailer wiring plug from the tow vehicle.
- 4. Unhook the safety chains from the rear of the tow vehicle.
- 5. Unlock the pintle hitch.

# SCAC

- 6. Crank down the tongue jack until the pintle ring on the unit clears the pintle hook on the tow vehicle.
- 7. Pull and turn the spring latch to unlock the pin securing the rear support leg in the transport position. See Figure 4-5.

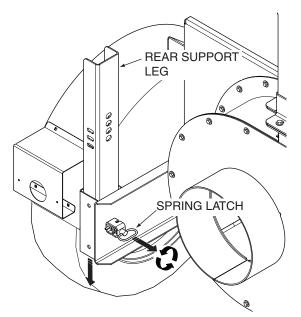


Figure 4-5. Lowering the Rear Support Leg

8. Lower the rear support leg to the lowermost position and secure with the spring latch.

### WARNING

Faiure to lower the Rear Support Leg when the Truck Loader is not connected to a tow vehicle can result in unit rollover, unit damage and personal injury.

9. Pull the tow vehicle away.

### **4.8 AFTER OPERATION**

 When machine is not in operation, in storage or transporting, lock the hose support boom and secure hose on the storage pin. Pull and turn the spring latch to lock the pin securing the hose support boom in the transport position. See Figure 4-6 & Figure 4-7.

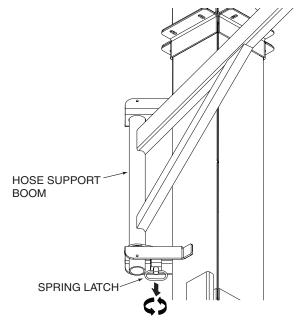


Figure 4-6. Locking the Hose Support Boom

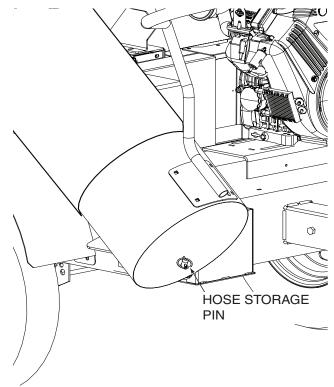


Figure 4-7. Hose Storage Pin

 After the engine has cooled down, wash the entire machine after each use. Do not use high pressure spray or direct the spray onto electrical components.

#### - IMPORTANT -

Do not wash a hot or running engine. Cold water will damage the engine. Use compressed air to clean the engine if it is hot.



3. Keep the entire machine clean to inhibit serious heat damage to the engine.

# **DANGER**

To avoid injury from burns, allow the engine to cool before removing the fuel tank cap and refueling.

4. Check the tire pressure. Adjust pressure if necessary.

### 4.9 REMOVING CLOGGED MATERIAL

# A DANGER

### **ROTATING FAN BLADES**

NEVER PUT YOUR HANDS INTO THE VACUUM INTAKE OR DISCHARGE FOR ANY REASON!

Shut off the engine, remove the ignition key and only then use a stick or similar object to remove material if plugging has occurred.

1. If the intake nozzle or discharge becomes plugged, shut off the engine and remove the spark plug wire. The engine must come to a complete stop before attempting to remove obstruction from intake nozzle or discharge area. Using a stick or similar item, dislodge the clogged material. Then resume normal operation.

### MAINTENANCE

### **5.1 MAINTENANCE CHART - RECOMMENDED SERVICE INTERVALS**

HOURS								
BREAK-IN (FIRST 10)	8	20	50	100	200	500	PROCEDURE	COMMENTS
Х							Check all hardware for tightness	
Х							Check impeller drive belt tension	See Section 5.5
	х						Check engine oil level	See engine operator's manual
	Х						*Clean truck loader	
	х						Check trailer lights for proper operation	Check Daily before operating
	Х						Check condition of impeller blades and impeller housing	
	Х						Check impeller drive belt tension	See Section 5.5
		Х					Change engine oil and filter	See engine operator's manual
			Х				*Clean air filter element	See engine operator's manual
			Х				**Grease Impeller Shaft Bearings	See below for grease type
			Х				**Grease Engine Output Shaft Spline and Bearing	See below for grease type
				Х			Check condition of fuel lines	
				Х			Check all hardware for tightness	
				Х			Change engine oil	See engine operator's manual
				Х			*Clean air cleaner element	See engine operator's manual
					Х		*Clean Fuel Cup	
					х		*Replace engine air filter	See engine operator's manual
						х	Replace Spark Plug	See engine operator's manual

\* Perform these maintenance procedures more frequently under extreme dusty or dirty conditions.

\*\* Use Scag Premium Spindle Grease NLGI #2 Grade (P/n 486258).



### **5.2 ENGINE OIL**

#### A. CHECKING ENGINE CRANKCASE OIL LEVEL

The engine oil level should be checked after every 8 hours of operation or daily as instructed in the Engine Operator's Manual furnished with this truck loader.

#### **B. CHANGING ENGINE CRANKCASE OIL**

After the first 20 hours of operation, change the engine crankcase oil and replace the oil filter. Thereafter, change the engine crankcase oil after every 100 hours of operation or bi-weekly, whichever occurs first. Refer to the Engine Operator's Manual furnished with this truck loader for instructions.

#### **5.3 ENGINE FUEL SYSTEM**

# 

To avoid injury from burns, allow the engine to cool before removing the fuel tank cap and refueling.

#### A. FILLING THE FUEL TANK

Fill the fuel tank at the beginning of each operating day. Fill to aprroximately 1" below the top of the fuel tank (approximately 8-1/2 gallons indicating Full (F) on the fuel gauge) at the beginning of each operating day. Do not overfill. Use clean, fresh ultra low sulfur diesel fuel with a minimum cetane rating of 40.

To avoid personal injury or property damage, use extreme care in handling diesel fuel.

- 1. Extinguish all cigarettes, cigars, pipes and other sources of ignition.
- 2. Use only an approved fuel container.
- 3. Never remove the fuel cap or add fuel with the engine running. Allow the engine to completely cool before fueling.
- 4. Never fuel the machine indoors or in an enclosed trailer.

- 5. Never store the machine or fuel container where there is an open flame, spark or pilot light such as on a water heater or other appliances.
- 6. Never fill containers inside a vehicle or on a truck or trailer bed with a plastic liner. Always place containers on the ground away from your vehicle before filling.
- 7. Keep the nozzle in contact with the rim of fuel tank or container opening at all times until fueling is complete. Do not use a nozzle lock-open device.
- 8. If fuel is spilled on clothing, change clothing immediately and wash affected skin.
- 9. Replace gas cap and tighten securely.

#### 5.4 ENGINE AIR CLEANER

### A. CLEANING AND/OR REPLACING AIR CLEANER ELEMENT

For any air cleaner, the operating environment dictates the air cleaner service periods. Inspect and clean the air cleaner element after every 50 hours of operation or monthly, whichever occurs first and replace the element if required or every 200 hours. Refer to the Engine Operator's Manual furnished with this truck loader for instructions.

#### - NOTE -

In extremely dusty conditions it may be necessary to check the element once or twice daily to prevent engine damage.

#### 5.5 IMPELLER DRIVE BELT ADJUSTMENT

### A WARNING

Before removing any guards, shut the engine off and remove the ignition key. Wait for all moving parts to come to a complete stop before beginning work.

- 1. Remove the belt cover.
- Check the belt tension by using a belt tension gauge. The belt should move 1/2" with 14 pounds of pressure applied. See Figure 5-1.



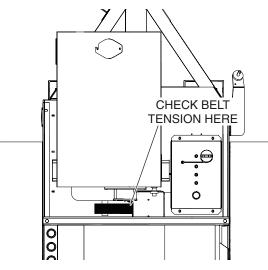
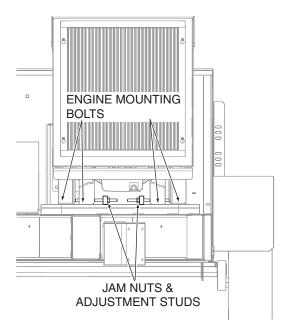


Figure 5-1. Impeller Drive Belt Tension

- 3. To adjust the impeller drive belt tension, loosen the four engine mounting bolts. See Figure 5-2.
- 4. Loosen the jam nuts on all four adjustment studs. See Figure 5-2.
- 5. Back the two adjustment studs on the right side of the engine (closest to the fuel tank) off of the engine mount enough to allow the engine to move.
- Using a belt tension gauge, adjust the impeller drive belt tension by turning the adjustment studs on the left side of the engine an equal amount of turns. Use a straight edge across the pulleys to insure the pulleys are straight and aligned together.
- 7. Adjust to acheive 1/2" with 14 pounds of pressure.
- 8. Turn the two right side adjustment studs in until they contact the side of the engine mount. Tighten all four jam nuts on the adjustment studs.
- 9. Tighten the four engine mounting bolts and reinstall the belt covers.



#### Figure 5-2. Impeller Drive Belt Tension

#### -NOTE-

Due to initial belt stretch and to prevent the belt from slipping, check this adjustment after the first 2 hours, 4 hours and 8 hours of operation.

Belt alignment and tension are important for proper performance of your Scag Power Equipment Truck Loader. If you experience frequent belt wear or breakage, see your authorized Scag Power Equipment service center for belt adjustment.

#### 5.6 IMPELLER SHAFT BEARINGS AND ENGINE STUB SHAFT

# WARNING

Before applying grease to the bearings, shut the engine off, remove the ignition key and allow the engine and exhaust to cool.

1. Apply grease to the two impeller bearing carrier grease fittings located on the rightside of the machine every 50 hours or weekly, whichever comes first, of operation. See Figure 5-3.



2. Apply grease to the two engine stub shaft grease fittings located on the back of the engine every 50 hours or weekly, whichever comes first, of operation. See Figure 5-3.

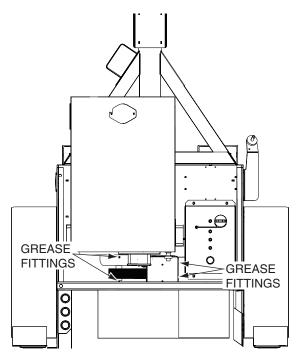


Figure 5-3. Impeller Shaft Grease Fittings

### 5.7 WHEELS & TIRES

Check the condition of wheel assemblies after 8 hours of operation or daily.

#### **5.8 TRAILER LIGHTS**

Check the trailer lights for proper operation every day before operation. Replace any defective component before operating.

### **ILLUSTRATED PARTS LIST**

### 6.1 SCAG APPROVED ATTACHMENTS AND ACCESSORIES.

Attachments and accessories manufactured by companies other than Scag Power Equipment are not approved for use on this machine.

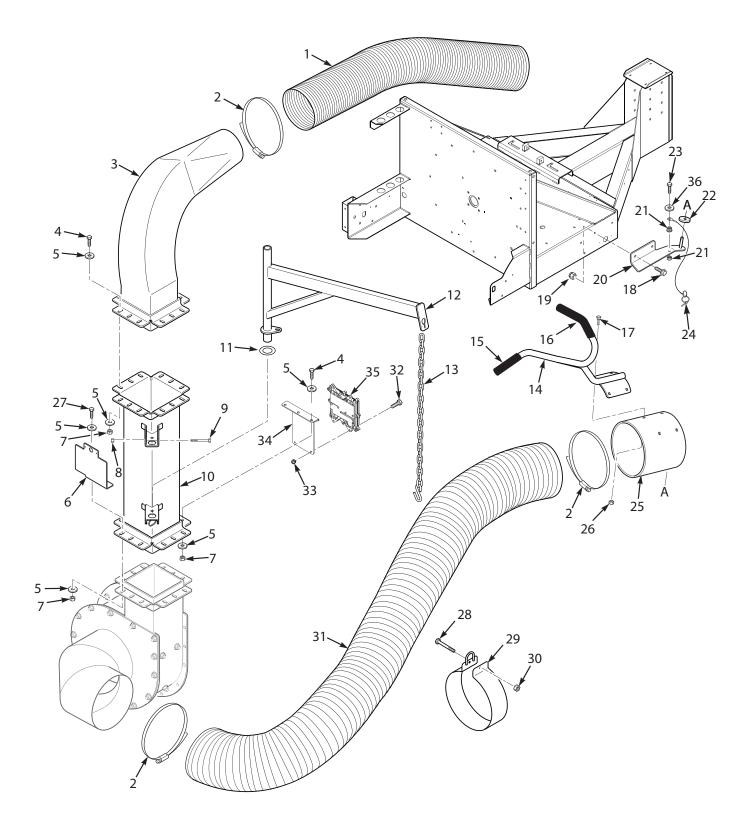
Scag Power Equipment approved attachments and accessories:

- Truck Loader Light Kit (p/n 9602)
- Truck Loader Brake Kit (p/n 9606)



NOTES

### INTAKE AND DISCHARGE ASSEMBLY



### Section 6

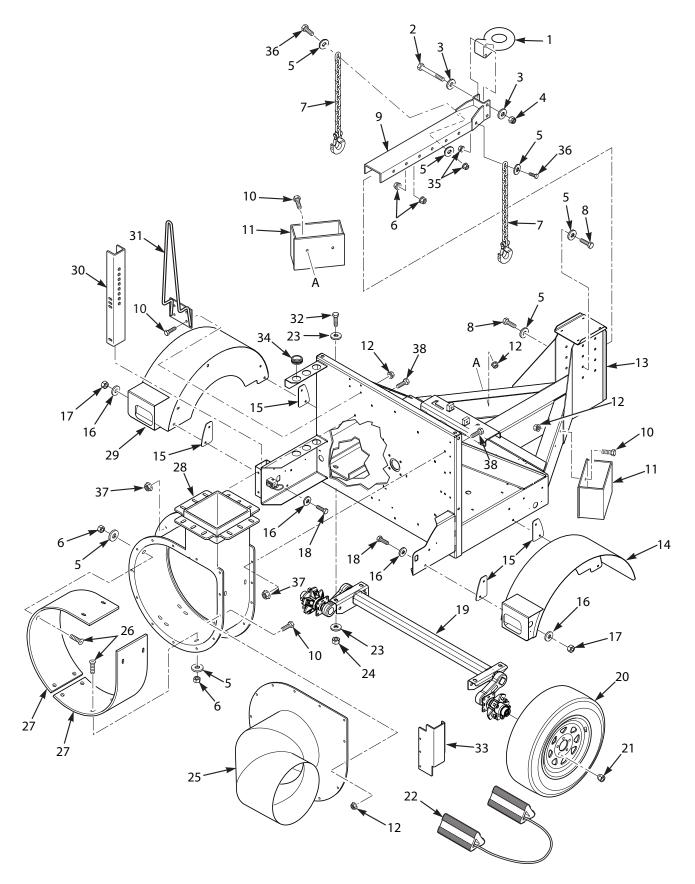


### INTAKE AND DISCHARGE ASSEMBLY

Ref. No.	Part No.	Description
1	48135-58	Hose, Clear Poly 12" X 84"
2	486044-01	Strap, Ratchet - 66 x 1
3	452529	Elbow, Exhaust - TLB25
4	04001-71	Bolt, Hex Head 1/2-13 x 1-1/2"
5	04040-13	Flatwasher, 1/2562 x 1.375 x .109
6	462620	License Plate Holder Assembly (INCL Bracket and Light Assembly)
	426327	Bracket, License Plate
7	04021-07	Nut, Elastic Stop 1/2-13
8	04021-08	Nut, Elastic Stop 1/4-20
9	04001-203	Bolt, Hex Head 1/4-20 x 4"
10	463107	Stack Assembly, w/Decals (INCL. 8,9,11,12)
11	484947	Disk, Anti-Friction
12	452517	Boom Weldment
13	484894	Chain w/ 2-Hooks
14	462612	Handle w/Grips (incl. #15, 16)
15	485075	Grip, Handle 1-1/4 x 6"
16	485076	Grip, Handle 1-1/4 x 20"
17	04003-23	Bolt, Carriage 3/8-16 x 1"
18	04017-26	Bolt, Hex Head Serrated Flange 3/8-16 x 3/4"
19	04019-04	Nut, Serrated Flange 3/8-16
20	452536	Hose Holder Weldment
21	04019-03	Nut, Serrated Flange 5/16-18
22	485050	Washer, Rubber
23	04001-11	Bolt, Hex Head 5/16-18 x 1-1/2"
24	485062	Quick Pin Assembly w/Lanyard
25	462641	Nozzle w/Decal
26	04021-09	Nut, Elastic Stop 3/8-16
27	04001-183	Bolt, Hex Head 1/2-13 x 1-3/4" (plate mounting)
	04001-71	Bolt, Hex Head 1/2-13 x 1-1/2" (non plate mounting)
28	04001-49	Bolt, Hex Head 5/16-18 x 3"
29	452540	Band, Hose Support 16"
30	04021-10	Nut, Elastic Stop 5/16-18
31	48135-29	Hose, 16" x 84"045 P.U. w/Wire
32	04001-09	Bolt, 5/16-18 x 1"
33	04117-01	Nut, Flanged Elastic Stop, 5/16-18
34	428000	Mounting Bracket, ECU
35	486683	ECU, TLB25-49KBD
36	04040-04	Flatwasher, 5/16344 x .688 x .065



### IMPELLER HOUSING AND TRAILER ASSEMBLY

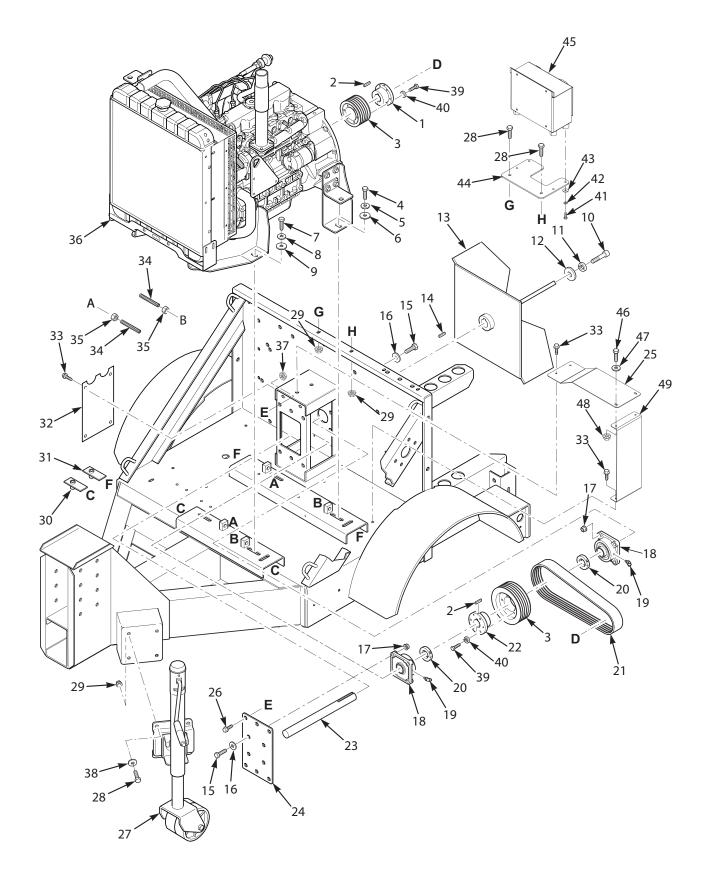




### IMPELLER HOUSING AND TRAILER ASSEMBLY

Ref. No.	Part No.	Description
1	485105	Pintle Ring, 3"
	485104	Ball Coupler, 2-5/16" (optional)
2	04001-204	Bolt, Hex Head 5/8-11 x 4-3/4" Grade 8
3	04043-09	Flatwasher, 5/8656 x 1.312 x 0.95 HD
4	04021-23	Nut, Elastic Stop 1/2-13
5	04040-13	Flatwasher, 1/2562 x 1.375 x .109
6	04021-07	Nut, Elastic Stop 1/2-13
7	485064	Safety Chain, 5/16 x 36"
8	04001-183	Bolt, Hex Head 1/2-13 x 1-3/4"
9	462690	Draw Bar w/Decal
10	04017-26	Bolt, Hex Head Serrated Flange 3/8-16 x 3/4"
11	452519	Chock Box Weldment
12	04019-04	Nut, Serrated Flange 3/8-16
13	463251	Base and Frame w/Decal
14	452545	Fender Weldment, RH
15	426421	Spacer, Fender
16	04040-11	Flatwasher, 7/16500 x 1.250 x .083
17	04021-11	Nut, Elastic Stop 7/16-14
18	04001-28	Bolt, Hex Head 7/16-14 x 1-1/4"
19	485081	Axle, 3,500#
20	484948	Wheel Assembly, 205/75D15 - 6 Ply
	485091	Rim, 15 x 5 - 5 Lug
	485092	Tire, 205/75D15
21	04028-02	Lug Nut
22	485103	Wheel Chocks w/Rope
23	04043-06	Flatwasher, 5/8688 x 1.75 x .134 HD
24	04021-13	Nut, Elastic Stop 5/8-11
25	452492	Intake Elbow, TLB25
26	04014-05	Capscrew, 1/2-13 x 1-1/2" FHHS
27	462579	Wear Liner Kit w/Hardware, TLB25 (incl. #5, 6, 26)
28	462709	Impeller Housing, TLB25
29	452544	Fender Weldment, LH
30	426208	Channel Support
31	485109	Holder, Traffic Cone
	485079	Traffic Cone
32	04001-131	Bolt, Hex Head 5/8-11 x 1-3/4"
33	426209	Bracket, Hose Protector
34	485080	Grommet, Rubber
35	04113-04	Nut, Elastic Stop M12-1.75
36	04002-30	Bolt, M12-1.75 x 40
37	04019-05	Nut, Serrated Flange 7/16-14
38	04017-53	Bolt, Serrated Flange 7/16-14 x 3/4"

### IMPELLER DRIVE ASSEMBLY



### Section 6

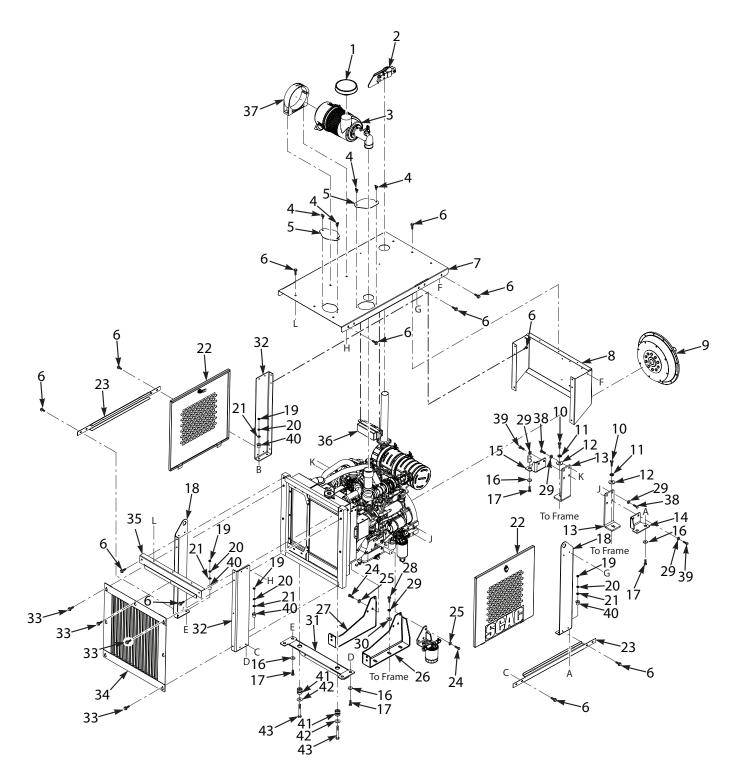


### IMPELLER DRIVE ASSEMBLY

Ref. No.	Part No.	Description
1	484992	Bushing, Tapered Lock SK 1-1/2"
2	04063-34	Key, 3/8 x 3/8 x 2-1/4"
3	484991	Pulley, Sheave 3V6.5 x 5 SK
4	04001-131	Bolt, Hex Head 5/8-11 x 1-3/4"
5	04030-07	Lockwasher, 5/8" Spring
6	04043-06	Flatwasher, 5/8688 x 1.75 x .134 HD
7	04001-183	Bolt, Hex Head 1/2-13 x 1-3/4"
8	04030-06	Lockwasher, 1/2"
9	04043-08	Flatwasher, 1/2562 x 1.375 x .109 HD
10	04015-23	SHCS, 5/8-18 x 2-1/2"
11	04030-07	Lockwasher, 5/8" Spring
12	04043-06	Flatwasher, 5/8688 x 1.75 x .109 HD
13	452445	Impeller, STL 4-Blade 24-3/4" OD
14	04063-33	Key, 3/8 x 3/8 x 4-1/2"
15	04001-183	Bolt, Hex Head 1/2-13 x 1-3/4"
16	04040-13	Flatwasher, 1/2562 x 1.375 x .109
17	04021-07	Nut, Elastic Stop 1/2-13
18	484909	Bearing, Flange Mount
19	48114-07	Grease Fitting, 45 Degree 1/4-28 x .813
20	485096	Collar, 2pc 1-7/16
21	485069	Belt, R3V x 425-5
22	484993	Bushing, Tapered Lock SK 1-7/16
23	43942	Shaft, Impeller
24	426424	Bearing Mount Plate
25	427997	Shield, Top
26	04017-36	Bolt, Hex Head Serrated Flange 1/2-13
27	484848	Jack, Trailer 2-Wheel
28	04001-19	Bolt, Hex Head 3/8-16 x 1"
29	04019-04	Nut, Serrated Flange 3/8-16
30	452533	Nut Plate Weldment, 1/2-13
31	452532	Nut Plate Weldment, 5/8-11
32	426402	Belt Cover, RH Diesel
33	04011-12	Screw, 5/16-18 x 3/4" HWHD Shakeproof
34 35	04012-13	Set Screw, 1/2-13 x 4"
36	04020-07	Nut, 1/2-13 Engine Kubata 40kh Diasal (pat avail thru Saag)
30	486473 04019-06	Engine, Kubota 49hp Diesel (not avail. thru Scag) Nut, Serrated Flange 1/2-13
38	04019-00	Flatwasher, 3/8391 x .938 x .105
39	04001-218	
40	04030-03	Bolt, Hex Head, 5/16-18 x 2" Lockwasher, 5/16 Spring
40	04001-01	Bolt, 1/4-20 x 3/4"
42	04030-02	Lockwasher, 1/4" Spring
43	04040-02	Flatwasher, 1/4312 x .750 x .065
44	427999	Mounting Bracket, Control Box
45	486685	Control Panel
46	04001-09	Bolt, 5/16-18 x 1"
47	04040-15	Flatwasher, 5/16375 x .875 x .083
48	04117-01	Nut, Flanged Elastic Stop, 5/16-18
49	427998	Shield, Side

SCAG





\*Not Shown Engine Oil Drain - p/n 486686 Coolant Over-Flow Bottle - p/n 486682

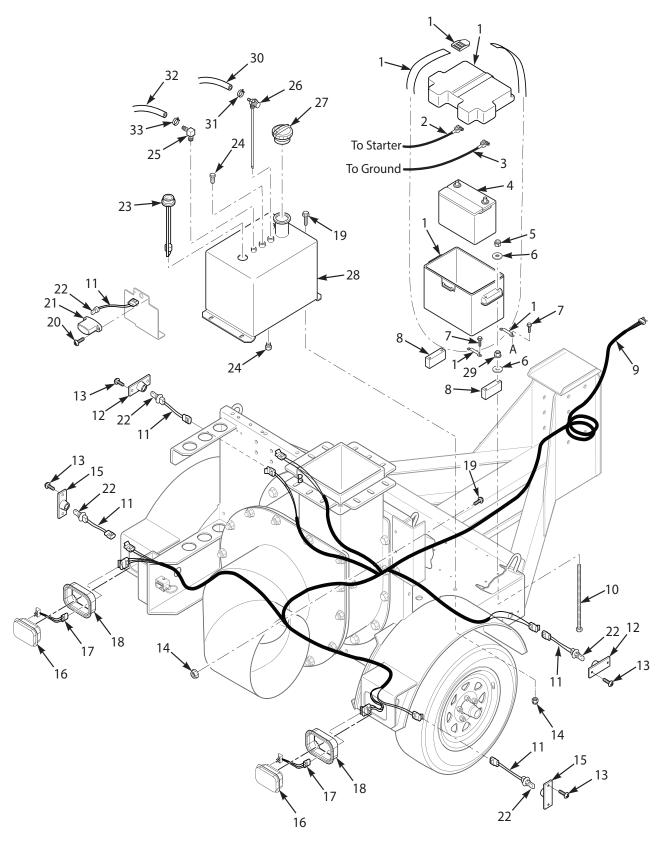


### **KUBOTA ENGINE ASSEMBLY**

Ref. No.	Part No.	Description			
1	486678	Rain Cap, Air Cleaner			
2	486680	Rain Cap Assy, Exhaust			
3	486674	Air Cleaner Assy.			
	486676	Air Filter, Safety			
	486677	Air Filter, Primary			
4	04129-01	Screw, Thumb, 5/16-18 x .625			
5	426691	Enclosure, Cover			
6	04017-16	Screw, Serrated Flange, 5/16-18 x 3/4"			
7	463254	Top, Enclosure			
8	463258	Front, Enclosure			
9	486673	Stub Shaft Assy.			
10	04001-131	Bolt, 5/8-11 x 3/4"			
11	04030-07	Lockwasher, 5/8 Spring			
12	04043-06	Flatwasher, 5/8688 x 1.75 x .134			
13	428337	Engine Mount, Rear			
14 15	428338 428339	Support, Enclosure, LH Rear Support, Enclosure, RH Rear			
16	420339 04041-41	Flatwasher .375406 x 1.25 x .125			
17	04041-41	Bolt, 3/8-16 x 1-3/4"			
18	463255	Lifting Rail, Enclosure			
19	04020-04	Nut, 3/8-16			
20	04030-04	Lockwasher, 3/8 Spring			
21	04040-05	Flatwasher, 3/8406 x .812 x .065			
22	463259	Side Panel, Enclosure			
23	428340	Enclosure, Bottom Rail			
24	04002-31	Bolt, M12 - 1.125 x 30			
25	04033-03	Lockwasher, M12 Spring			
26	453134	Engine Mount, LH Front			
27	453135	Engine Mount, RH Front			
28	04001-183	Bolt, 1/2-13 x 1-3/4"			
29	04030-06	Lockwasher, 1/2 Spring			
30	04043-08	Flatwahser, 1/2562 x 1.375 x .109			
31	453136	Support Weldment, Radiator Lower			
32	463256	Side Rail, Enclosure			
33	04017-15	Screw, Serrated Flange, 5/16-18 x .50			
34	453137	Debris Screen Weldment			
35	463257	Enclosure Support, Rear			
36	486684	Controller			
37	486675	Band, Air Cleaner			
38 39	04001-70 04001-71	Bolt, 1/2-13 x 1-1/4" Bolt, 1/2-13 x 1-1/2"			
39 40	485455	Isolator Mount			
40 41	485455 485454	Isolator Mount Isolator Mount, Sleeved			
41	465454 04041-40	Flatwasher, 1/2531 x 2.00 x .125			
42	04041-40	Bolt, 1/2-13 x 2-3/4"			
*	486679	Tube, Exhaust			
*	486681	Gasket, Exhaust			

\* Item Not Shown

### FUEL AND ELECTRICAL SYSTEM





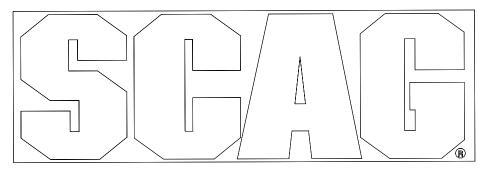
### FUEL AND ELECTRICAL SYSTEM

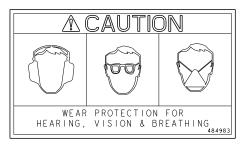
Ref. No.	Part No.	Description
1	484989	Battery Box, GRP24
	485107	Pad, Battery Hold Down
2	481176-06	Battery Cable, Red
3	481176-13	Battery Cable, Black
4	482283	Battery (not available thru Scag)
5	04021-08	Nut, Elastic Stop 1/4-20
6	04040-14	Flatwasher, 1/4312 x .750 x .065
7	04011-11	Screw, #10-32 x .56 HDHW Shakeproof
8	485053	Spacer, Battery Box
9	485043	Wire Harness, TL
10	04003-30	Bolt, Carriage 1/4-20 x 7-1/2"
11	485112	Pigtail, Side Marker Light
12	485041	Side Marker Light (does not incl. #22)
13	04011-23	Screw, #8-18 x 3/4" Self Tap
14	04019-04	Nut, Serrated Flange 3/8-16
15	485040	Side Marker Light (does not inc#22)
16	485039	Stop / Turn / Tail Light
17	485111	Pigtail, Tail Light
18	485072	Grommet, Tail Light
19	04017-26	Bolt, Hex Head 3/8-16 x 3/4"
20	04011-06	Screw, #10-30 x 3/4" Self Tap
21	485077	Light, License Plate (incl. #22)
22	485086	Bulb, 194
23	484323	Fuel Gauge Assembly, 12"
	484242	Seal, Fuel Gauge
24	481652-02	Plug, Pipe 1/4" NPT
25	485102	Fuel Return Line Fitting
26	485101	Fuel Pick Up Tube
27	485084	Fuel Cap, Steel Tank - Diesel
28	492356	Fuel Tank Assembly (incl. #23, 24, 25, 26, 27)
29	04019-02	Nut, Serrated Flange 1/4-20
30	483620	Fuel Hose, 5/16" I.D Order by Inch
31	48059-04	Clamp, Fuel Hose 5/16" I.D.
32	481179	Fuel Return Hose, 3/16" I.D Order by Inch
33 *	48059-03	Clamp, Fuel Hose 3/16" I.D.
Û	485042	Reflector, Red

\* Item Not Shown



### **TLB25 - TRUCK LOADER DECALS**















### LIMITED WARRANTY - TRUCK LOADERS

Any part of the Truck Loader manufactured by Scag Power Equipment and found, in the reasonable judgment of Scag Power Equipment, to be defective in materials or workmanship, will be repaired or replaced by an Authorized Scag Service Dealer without charge for parts and labor during the periods specified below. This warranty is limited to the original purchaser and is <u>not transferable</u>. Proof of purchase will be required by the dealer to substantiate any warranty claims. All warranty work must be performed by an Authorized Scag Power Equipment Service Dealer.

This warranty is limited to the following specified periods from the date of the original retail purchase for defects in materials or workmanship:

- · Wear items including impellers, wear liners, nose cones, hoses, bearings, and tires are not included in this warranty.
- Frame, blower housing, and structural components are warranted for two (2) year (parts and labor) for commercial and non-commercial use.
- Engines and electric starters are covered by the engine manufacturer's warranty period. Therefore, there are no warranties made, expressed or implied, for engines by Scag Power Equipment.
- Batteries are covered for ninety (90) days.
- Any Scag product used for rental purposes is covered by a 90 day warranty.

The Scag Truck Loader, including any defective part must be returned to an Authorized Scag Power Equipment Service Dealer within the warranty period. The expense of delivering the truck loader to the dealer for warranty work and the expense of returning it to the owner after repair will be paid for by the owner. Scag Power Equipment's responsibility is limited to making the required repairs and no claim of breach of warranty shall be cause for cancellation or rescission of the contract of sale of any Scag product. "Non-Commercial" use is defined as a single property owner, where the single property is the residence of the owner of the Scag product. If the truck loader is used on more than the owners single property, it is deemed commercial use and the "non-commercial" warranty does not apply. Scag Power Equipment reserves the right to deny and / or void the non-commercial warranty if it believes it to be in commercial use.

This warranty does not cover any product that has been subject to misuse, neglect, negligence, or accident, or that has been operated in any way contrary to the operating instructions as specified in the Operator's Manual. The warranty does not apply to any damage to any truck loader that is the result of improper maintenance, or to any truck loader or parts that have not been assembled or installed as specified in the Operator's Manual and Assembly Manual. The warranty does not cover any truck loader that has been altered or modified, changing performance or durability. In addition, the warranty does not extend to repairs made necessary by normal wear, to items subject to abrasion wear, or by the use of parts or accessories which, in the reasonable judgment of Scag Power Equipment, are either incompatible with the Scag Truck Loader or adversely affect its operation, performance, or durability.

Scag Power Equipment reserves the right to change or improve the design of any product without assuming any obligation to modify any product previously manufactured. All other implied warranties for this truck loader are limited in duration to the two (2) year warranty for commercial and non-commercial use or ninety (90) days used for rental purpose. Accordingly, any such implied warranties including merchantability, fitness for a particular purpose, or otherwise, are disclaimed in their entirety after the expiration of the appropriate warranty period. Scag's obligation under this warranty is strictly and exclusively limited to the repair or replacement of defective parts and Scag Power Equipment does not assume or authorize anyone to assume for them any other obligation. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Scag Power Equipment assumes no responsibility for incidental, consequential or other damages including, but not limited to, expense for gasoline, expense of delivering the truck loader to an Authorized Scag Power Equipment Service Dealer and expense of returning it to the owner, mechanic's travel time, telephone or telegram charges, rental of a like product during the time warranty repairs are being performed, travel, loss or damage to personal property, loss of revenue, loss of use of the truck loader, loss of time or inconvenience. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.