



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

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Division of Metalcraft of Mayville, Inc.

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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 mower.
- DO NOT operate on steep slopes. To check a slope, attempt to back up it (with the cutter deck down). If the machine can back up the slope without the wheels slipping, reduce speed and use extreme caution.
- Under no circumstances should the machine be operated on slopes greater than 15 degrees. ALWAYS FOLLOW OSHA APPROVED OPERATION.
- DO NOT mow on wet grass. Wet grass reduces traction and steering control.
- Keep all shields in place, especially the grass discharge chute.
- Before performing any maintenance or service, stop the machine and remove the spark plug wire and ignition key.
- If a mechanism becomes clogged, stop the engine before cleaning.
- Keep hands, feet and clothing away from power-driven parts.
- Keep others off the mower (only one person at a time)

### REMEMBER - YOUR MOWER 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:						
STCII-48V-22FX	with a serial number of	M6200001 to M6299999				
STCII-48V-23CV	with a serial number of	L8900001 to L8999999				
STCII-52V-22FX	with a serial number of	L9000001 to L9099999				
STCII-52V-25CV-EFI	with a serial number of	L9100001 to L9199999				
STCII-61V-23FX	with a serial number of	L9200001 to L9299999				
STCII-61V-29CV-EFI	with a serial number of	M5000001 to M5099999				

Always use the entire serial number listed on the serial number tag when referring to this product.



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### **GENERAL INFORMATION**

### 1.1 INTRODUCTION

Your mower was built to the highest standards in the industry. However, the prolonged life and maximum efficiency of your mower 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 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 service parts.

THE REPLACEMENT OF ANY PART ONTHIS PRODUCT BY OTHERTHANTHE MANUFACTURER'S AUTHORIZED REPLACEMENT PART MAY ADVERSELY AFFECT THE PERFORMANCE, DURABILITY OR SAFETY OF THIS PRODUCT.

## USE OF OTHERTHAN ORIGINAL SCAG REPLACEMENT PARTS WILL VOID THE WARRANTY.

When ordering parts, always give the model and serial number of your mower. The serial number plate is located where shown in Figure 1-1.

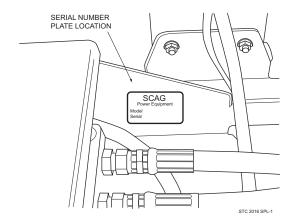


Figure 1-1. Mower Serial Number Plate Location

### USE ONLY SCAG 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 8, Paragraph 8-1.



For pictorial clarity, some illustrations and figures in this manual may show shields, guards or plates open or removed. Under no circumstances should your mower 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 seated in the normal operating position and facing the forward travel direction.

## 1.3 SERVICING THE ENGINE AND DRIVE TRAIN COMPONENTS

The details of servicing and repair of the engine, hydraulic pumps and gearboxes 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 dealer or find a local authorized servicing agent of the component manufacturer. Any unauthorized work done on these components during the warranty period may void your warranty.



### 1.4 SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	Choke	0	Transmission
(P)	Parking Brake	480718	Spinning Blade
	On/Start	T <sub>6</sub>	Spring Tension on Idler
0	Off/Stop	$\Diamond$	Oil
	Falling Hazard	<b>%</b>	Thrown Object Hazard
*	Fast		Slow
	Continuously Variable - Linear		Cutting Element - Basic Symbol
	Pinch Point		Cutting Element - Engage
	Hour meter/Elapsed Operating Hours		Cutting Element - Disengage
<b>■→</b> 中	Keep Bystanders Away		Read Operator's Manual



### SAFETY INFORMATION

### 2.1 INTRODUCTION

Your mower 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 mower. The owner/user can prevent and is responsible for accidents or injuries occurring to themselves, other people or property.

# READ THIS OPERATOR'S MANUAL AND WATCH THE TIPS FOR SAFE OPERATION OF YOUR SCAG ZEROTURN MOWER VIDEO BEFORE ATTEMPTING TO START YOUR MOWER.

A replacement manual is available from your authorized Scag Service 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 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.

## **A 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

## **A WARNING**

Check all hydraulic connections for tightness. Inspect all hydraulic hoses and / or lines to insure they are in good condition before operating.

- NEVER allow children to operate this riding mower.
  Do not allow adults to operate this machine without
  proper instructions.
- Do not mow when children and/or others are present. Keep children out of the mowing 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.
- DO NOT allow children to ride or play on the machine, it is not a toy.



- 4. Clear the area to be mowed of objects that could be picked up and thrown by the cutter blades.
- 5. DO NOT carry passengers.
- 6. DO NOT operate the machine under the influence of alcohol or drugs.
- 7. If the operator(s) or mechanic(s) cannot read English, it is the owner's responsibility to explain this material to them. A Spanish decal kit is available for this model. See your local Scag Dealer.
- 8. 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.

## **A 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**

This machine is equipped with an interlock system intended to protect the operator and others from injury. This is accomplished by preventing the engine from starting unless the deck drive is disengaged, the parking brake is on, the steering control levers are in the neutral position and the operator is in the seat. The system shuts off the engine if the operator leaves the seat with the deck drive engaged and/or the steering control levers are not in the neutral position and the parking brake is not engaged. Never operate equipment with the interlock system disconnected or malfunctioning.

Be sure the interlock switches are functioning correctly.

- 11. Fuel is flammable; handle it with care. Fill the fuel tank outdoors. Never fill it indoors. Use a funnel or spout to prevent spillage. Clean up any spillage before starting the engine.
- 12. DO NOT add fuel to a running or hot engine. Allow the engine to cool for several minutes before adding fuel. Never fuel indoors or inside enclosed trailers.
- 13. Keep flammable objects (cigarettes, matches, etc.), open flames and sparks away from the fuel tank and fuel container. Use only approved containers.
- 14. See Section 7.5 ENGINE FUEL SYSTEM for fueling procedure.
- Equipment must comply with the latest requirements per SAE J137 and/or ANSI/ASAE S279 when driven on public roads.

#### - NOTE -

If the mower is driven on public roads, it must comply with state and local ordinances as well as SAE J137 and/or ANSI/ASAE S279 requirements. Contact your local authorities for regulations and equipment requirements.

- 16. Do not operate without the side discharge chute installed and in the down position or with an optional grass catcher or mulch plate completely installed.
- 17. Check the blade mounting bolts at frequent intervals for proper tightness.
- 18. Make sure all hydraulic fluid connections are tight and all hydraulic hoses and lines are in good condition before starting the machine.

### 2.4 OPERATION CONSIDERATIONS

1. Know the function of all controls and how to stop quickly.

## **WARNING**

DO NOT operate on steep slopes. To check a slope, attempt to back up it (with the cutter deck down). If the machine can back up the slope without the wheels slipping, reduce speed and use extreme caution. Under no circumstances should the machine be operated on slopes greater than 15 degrees. See Figure 2-4, Page 7 to determine approximate slope of area to be mowed. ALWAYS FOLLOW OSHA APPROVED OPERATION.



- Reduce speed and exercise extreme caution on slopes and in sharp turns to prevent tipping or loss of control. Be especially cautious when changing directions on slopes.
- 3. Stay two cut widths away from slopes, drop offs, ditches and retaining walls.
- 4. To prevent tipping or loss of control, start and stop smoothly, avoid unnecessary turns and travel at reduced speed.
- 5. Immediately apply the parking brake if you lose steering control while operating. Inspect the machine and correct the problem before continuing to operate.
- 6. When using any attachment, never direct the discharge of material toward bystanders or allow anyone near the machine while in operation.
- 7. Before attempting to start the engine, with the operator in the seat, disengage power to the cutter deck, place the steering control levers in the neutral position and engage the parking brake.
- 8. If the mower discharge ever plugs, shut off the engine, remove the ignition key, and wait for all movement to stop before removing the obstruction.

## **WARNING**

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

- Be alert for holes, rocks, roots and other hidden hazards in the terrain. Keep away from any dropoffs. Beware of overhead obstructions (low limbs, etc.), underground obstacles (sprinklers, pipes, tree roots, etc.). Cautiously enter a new area. Be alert for hidden hazards.
- 10. Disengage power to cutter deck before backing up. Do not mow in reverse unless absolutely necessary and then only after observation of the entire area behind the mower. If you must mow in reverse, maintain a constant lookout to the rear of the machine and mow slowly.
- 11. DO NOT turn sharply. Use care when backing up.
- 12. Disengage power to cutter deck before crossing roads, walks or gravel drives.
- 13. Mow only in daylight or good artificial light.

- 14. NEVER raise the deck with the blades engaged.
- 15. Take all possible precautions when leaving the machine unattended, such as disengaging the mower, lowering the attachments, setting the parking brake, stopping the engine, and removing the key.
- 16. Disengage power to the attachments when transporting or when not in use.
- 17. 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.

## **A** CAUTION

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.

## 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.

- 18. Keep hands and feet away from cutter blades and moving parts. Contact can injure.
- 19. Transport the mower using a heavy duty trailer or truck. Insure the trailer or truck has all of the necessary lighting and markings as required by laws, codes, and ordinances. Secure a trailer with a safety chain.
- 20. Be cautious when loading and unloading onto trailers or trucks. Use only a full width ramp. Ramp angle should be no more than 15 degrees. See Figure 2-4, Page 7 to determine approximate slope of the ramp. Back up the ramp and drive down forward.
- 21. When transporting the mower, make sure the park brake is engaged, the steering control levers are in the neutral position, the engine is off with the key removed, and the wheels have been blocked.
- 22. Tie the mower down securely using straps, chains, cable, or ropes. Both front and rear straps must be directed down and outward from machine.



- 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 ROLL-OVER PROTECTION SYSTEM

## **WARNING**

Keep the roll bar in the raised and locked position and the seat belt securely fastened during operation. Failure to do so could cause serious injury or loss of life.

This mower has been designed for good traction and stability under normal mowing conditions. However, caution must be used when traveling on slopes, especially when the grass is wet. Do not mow on wet grass. Wet grass reduces traction and steering control.

Any or all parts of the Roll-Over Protection System MUST NOT be removed. Failure to adhere to this guideline could result in injury or death.

## **WARNING**

There is no roll-over protection when the roll bar is in the down position.

Lower the roll bar only when absolutely necessary.

Raise the roll bar as soon as clearance permits.

DO NOT wear the seat belt when the roll bar is in the down position.

ALWAYS wear seat belt when roll bar is in the up position.

Operate the machine smoothly, no sudden turns, starts or stops.

Check the area carefully before mowing for proper overhead clearance (i.e. branches, doorways, etc.).

DO NOT contact any overhead object with the roll bar.

Lower the roll bar only when absolutely necessary.

- 1. To lower the roll bar, remove the hairpin cotter pins and remove the two (2) lock pins. See Figure 2-2.
- 2. Lower the roll bar to the down position.
- 3. To raise the roll bar, lift the bar to the upright position.
- 4. Install the two (2) lock pins through the hole, secure with the two (2) hairpin cotter pins. See Figure 2-2.

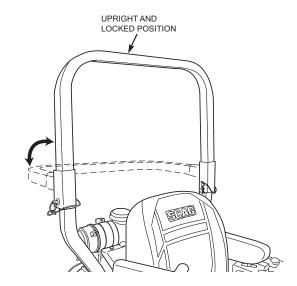


Figure 2-1. Foldable Roll-Over Protection System

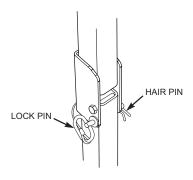


Figure 2-2. ROPS Hinge

The potential exposure of the seat belt to severe environmental conditions make it crucial to inspect the seat belt system regularly.

It is recommended that the seat belt be inspected on a daily basis for signs of damage. Any seat belt system that shows cuts, fraying, extreme or unusual wear, significant discoloration due to UV exposure, dirt or stiffness, abrasion to the seat belt webbing, or damage to the buckle, latch plate, hardware or any other obvious problem should be replaced immediately.



## **WARNING**

Failure to properly inspect and maintain the seat belt can cause serious injury or loss of life.

- 1. Check the full length of the seat belt webbing for cuts, wear, fraying, dirt and stiffness. See Figure 2-3.
- Check the seat belt webbing in areas exposed to ultra violet rays from the sun or extreme dust or dirt. If the original color of the webbing in these areas is extremely faded and/or is packed with dirt, the physical strength of this webbing may have deteriorated. If this condition exists, replace the seat belt system.
- 3. Check the buckle and latch for proper operation and determine if the latch plate is excessively worn, deformed, or if the buckle is damaged or cracked. See Figure 2-3.

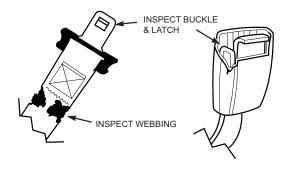


Figure 2-3. Seat Belt Inspection

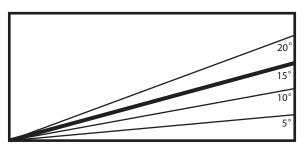


Figure 2-4. Slope Angle Graph

## **WARNING**

Reduce speed when turning, operating on slopes, slick or wet surfaces. Allow extra distance to stop.

Stay off of slopes too steep for safe operation. To check a slope, attempt to back up it (with the cutter deck down). If the machine can not back up the slope without the wheels slipping, do not operate the machine on this slope. Under no circumstances should the machine be operated on slopes greater than 15 degrees. See Figure 2-4 to determine approximate slope.

DO NOT mow near drop-offs, ditches or embankments. The machine could suddenly roll over if a wheel goes over the edge or if the edge caves in.

Operate the machine smoothly, no sudden turns, starts or stops on a slope.

NEVER tow on slopes. The weight of the towed equipment may cause loss of traction and loss of control.

DO NOT permit untrained personnel to operate the machine.

Be cautious when loading and unloading onto trailers or trucks.

Use only a full width ramp.

Ramp angle should be no more than 15 Degrees. See Figure 2-4 to help determine approximate slope.

Back up the ramp and drive down forward.



## 2.6 MAINTENANCE CONSIDERATIONS & STORAGE

- 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.
- Disengage drives, lower implement, set parking brake, stop engine and remove key or disconnect spark plug wire to prevent accidental starting of the engine when servicing or adjusting the machine. Wait for all movement to stop before adjusting, cleaning or repairing.
- Disconnect battery or remove spark plug wire before making any repairs. Disconnect the negative terminal first and the positive last. Reconnect the positive first and the negative last.
- Keep all nuts, bolts and screws tight, to ensure the machine is in safe working condition. Check blade mounting bolts frequently to be sure they are tight.
- Do not change the engine governor settings or overspeed the engine. See the engine operator's manual for information on engine settings.
- To reduce fire hazard, keep the cutting units, drives, muffler and engine free of grass, leaves, excessive grease, oil and dirt.
- 7. Park the machine on level ground and engage the parking brake.
- 8. NEVER allow untrained personnel to service the machine.
- Use care when checking blades. Use a Blade Buddy, wrap the blade(s) or wear gloves and USE CAUTION when servicing blades. Only replace blades. NEVER straighten or weld blades.
- 10. Keep all parts in good working condition. Replace all worn or damaged decals.
- 11. Use jack stands to support components when required.
- 12. Carefully release pressure from components with stored energy.

## **A WARNING**

Hydraulic fluid is under high pressure and can penetrate skin causing injury. If hydraulic fluid is injected into the skin, it must be surgically removed within a few hours by a doctor or gangrene may result.

Keep body and hands away from pinholes or nozzles that eject hydraulic fluid under high pressure. Use paper or cardboard and not hands to search for leaks.

Safely relieve all pressure from the hydraulic system by placing the control levers in the neutral lock position and shutting off the engine before performing any work on the hydraulic system.

If you need service on your hydraulic system, please see your authorized Scag dealer.

- 13. Let the engine cool before storing.
- 14. DO NOT store the machine near an open flame.
- 15. Shut off fuel while storing or transporting.
- 16. DO NOT store fuel near flames or drain indoors.
- 17. Charge batteries in an open, well ventilated area, away from spark and flames. Unplug charger before connecting or disconnecting from battery. Wear protective clothing and use insulated tools.

### 2.7 USING A SPARK ARRESTOR

The engine in this machine is not 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.

### 2.8 SPARK IGNITION SYSTEM

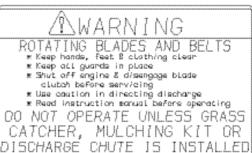
This spark ignition system complies with Canadian ICES-002.



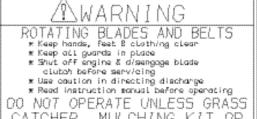
### 2.9 SAFETY AND INSTRUCTIONAL DECALS



483407



483406







Shut off engine before removing fuel tank cap.

483397



483402



### **AWARNING**

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

483900

(supplied with California models only)



Replace seat only with Song approved sect with sest exenting provisions and Scag approved seat betts. Poliume to follow these directions could result in lajory or death in the exect of a rollower.

483633



Molded in Fuel Tank



483425



483300



### **SPECIFICATIONS**

### 3.1 ENGINE

	Heavy Duty Industrial/Commercial Gasoline
	Kohler, Kawasaki
Engine Model:	Kawasaki FX691V
	Kawasaki FX691V
	Kohler CV730
	Kohler ECV730 Kohler ECV740
	Koniei ECV740 Kawasaki FX730V
•	Kohler ECV860
Displacement:	Notice Lovood
	725cc
,	747cc
	824cc
	4 Cycle Gasoline, Twin Cylinder, Vertical Shaft
	Mechanical Type with Variable Speed Control Set At 3600 RPM
Idle Speed:	
·	1900 RPM
	Integral Fuel Pump with In-Line Fuel Filter
Starter:	
	Electric Starting with Solenoid Shift Starter
	Electric Starting with Solenoid Shift Starter
	Kevlar cord. Self-adjusting, Self-tightening
	, 0, 0
3.2 ELECTRICAL	
Battery	
Charging System	Alternator
Charging Output:	
Kohler	12 Volt, 15 Amp
Kawasaki	12 Volt, 13 Amp
System Polarity	Negative Ground
Starter	12 Volt Electric Ring Gear Type, Key and Solenoid Operated
Interlock Switches	Seat, Neutral Control, Mower Engagement (BBC), Parking Brake
Instrument Panel	Tiger Eye Advanced Monitoring System, Key Switch, Throttle Lever,
Manual (	Choke (Non-EFI), PTO Switch, Fuses and Check Engine Indicator (EFI)
Fuses	Two (2) 20 Amp
3.3 MOWER	
O.O IVIOWEIT	
Drive System Hydraulic Drive with Tw	o Variable Displacement Pumps and Two Cast-iron High-Torque Motors
Hydrostatic Pumps Two Hydrostatic Pumps	dro-Gear™ 12 cc/rev. Pumps with Fans and Dump Valves for movement
	without running the engine
Drive Wheel Motors	Two Parker Cast-Iron High-Torque Motors
	Twin Lever Fingertip Steering Control
	with Individual Control to Each Wheel with Gas Spring Dampers
D 1: D 1	
Parking Brake	Foot Pedal Actuated Linkage to Brakes on Both Drive Wheel Axles

### **Section 3**



Wheels:			
(2) Front Caster (48"-52" Deck)	13 X 5-6	6 Four-Ply w/Tapered Roller I	Bearing Pivots
(2) Front Caster Wheel (61" Deck)			
(2) Drive - (48"-52" Deck)			
(2) Drive - (61" Deck)	24 x 12 x 12 F	Four-Ply Pneumatic Tubeless	, Radius Edge
Tire Pressure:			
Front Caster			
Drive			
Fuel Tanks Dual (5.3 Gal. RH, 5.7 Gal. LH) Sean			
Seat	Padde	d, Thick Cushion with Extra S	Spring Support
Travel Speed:		_	
Forward			
Reverse			
-NOTE- The machine will travel up to 12 mph for tran		best cutting performance the	e iorward
travel speed should be adjusted depending upon the	cutting conditions.		
3.4 CUTTER DECK			
Type Floating, Adjustable, Anti-Scalping	, Hybrid Design Cor	mbines Out-Front and Belly-N	Mount Designs
Construction			
Top of deck consists of three ste	el plates totaling nea	arly 1/2" of steel,7-gauge (3/1	16") deck skirt.
True Cutting Width:			40" (400 0 )
48V			,
52V			, ,
61V			
Cutting Height AdjustmentFoot-Operated Lever Ad Cutter Blades			
Blade Engagement			
Diade Engagement		onnected to the Cutter Deck t	
Discharge Opening Extra Wide Discharge O			
Discharge Chute			
SpindlesHeavy-Duty 1-1/8" Top			
		se Fitting and Grease Overfill	
Spindle Pulleys			
Cutter Deck BeltsB-section and	Cogged Type with I	Kevlar Cord. Self-Adjusting, S	Self-Tightening
Electric Clutch Type		Ogura Heavy Duty PTC	Clutch Brake
3.5 HYDRAULIC SYSTEM			
Hydraulic Oil Filter			
Hydraulic Reservoir		Nylon; 4 C	Quart Capacity
3.6 WEIGHTS AND DIMENSIONS	48V	52V	61V
Length	81"	81 5"	85.5"
Tracking Width			
Overall Width w/chute down			
Overall Width w/chute up			
Overall Height w/ROPS (up on Folding Models)			
Overall Height w/ROPS down (Folding Models)	46.75"	46.75"	46.75"
Operating Weight w/ROPS	1175#	1180#	1278#
3.7 PRODUCTIVITY	48V	52V	61V
Cutting Width	48"	52"	61"
Acres Per Day			
The preceding chart will aid you in determining how ma			



### **OPERATING INSTRUCTIONS**

## **A** CAUTION

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

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

This machine is equipped with the Tiger Eye Advanced Monitoring System. With the key in the on position, before starting the engine, the lights for the Seat Indicator, PTO Indicator, Neutral Indicator and Park Brake Indicator should be illuminated. This indicates there is an operator in the seat, the PTO is off, steering levers are in neutral, and the parking brake is applied. When all the lights are illuminated, the key can be turned to the start position and the mower can be started. See Section 4.3 Safety Interlock System. If any of these indicator lights are not illuminated, the engine will be prevented from starting. If additional information or service is needed, contact your Scag Power Equipment Dealer.

## 4.1 TIGER EYE INSTRUMENT IDENTIFICATION

- Service Air Filter Indicator (Figure 4-1). Optional Accessory. Indicates the condition of the engine air filter. Icon will display when it is time to change the air filter.
- Glow Plug Indicator (Figure 4-1). <u>Used on Diesel</u>
   <u>Powered Units Only.</u> Indicator turns on when the key switch is turned to the PREHEAT position. Glow plugs must be preheated for 5 to 10 seconds before starting the engine.
- 3. Oil Pressure Indicator (Figure 4-1). <u>Used on Diesel Powered Units Only.</u> Indicates engine oil pressure. Reference the engine operator's manual for further information.
- 4. Service Engine Indicator (Figure 4-1). Indicates the maintenance reminder for the engine oil change. Has preset maintenance reminder and will start flashing scheduled maintenance 2 hours before preset time and continue flashing until 2 hours after. Automatically resets.

- 5. Voltmeter Indicator (Figure 4-1). Indicates the condition of the charging system. When the engine is running, in normal operating conditions, the bar graph should be in the 12 to 14 volt range.
- 6. Seat Indicator (Figure 4-1). Light will illuminate when the operator is in the seat engaging the seat switch.
- PTO Indicator (Figure 4-1). Light will illuminate when the PTO (mower deck) switch is in the OFF position.
- 8. Hourmeter Indicator (Figure 4-1). Indicates the number of hours the engine has been operated. It only operates when the engine is running. Will start flashing with the Service Engine Indicator at scheduled maintenance 2 hours before preset time and continue flashing until 2 hours after. Automatically resets.
- Neutral Indicator (Figure 4-1). Light will illuminate when the steering control levers are in the <u>neutral</u> <u>lock position</u>.
- Park Brake Indicator (Figure 4-1). Light will illuminate when the park brake is in the engaged (ON) position.
- 11. Water Temperature Indicator (Figure 4-1). <u>Used</u>
  on <u>Liquid Cooled Models Only.</u> Indicates the
  operating temperature of the engine. If the engine
  temperature exceeds the maximum preset value, the
  indicator will flash and the Park Brake, PTO, Seat
  and Neutral indicator lights will flash in an alternating
  pattern.
- Fuse Holders (Figure 4-2). Two 20-amp fuses protect the mower's electrical system. To replace fuses, pull fuse out of the socket and install a new fuse.



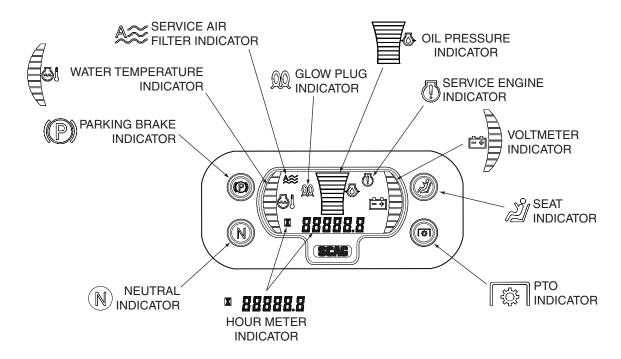


Figure 4-1. Tiger Eye Advanced Monitoring System

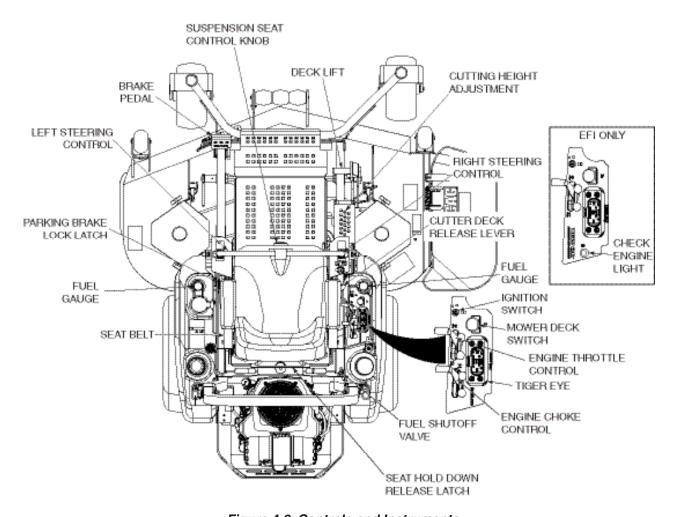


Figure 4-2. Controls and Instruments



#### 4.2 CONTROLS IDENTIFICATION

- Ignition Switch (Figure 4-2). The ignition switch is used to start the engine and has three positions; OFF, ON, and START.
- 2. Mower Deck Switch (Figure 4-2). Used to engage and disengage the mower drive system. Pulling up on the switch will engage the deck drive. Pushing down on the switch will disengage the deck drive.
- Engine Choke Control (Figure 4-2). Used to start a cold engine.
- 4. Engine Throttle Control (Figure 4-2). Used to control the engine speed. Pushing the lever forward increases engine speed. Pulling the lever back decreases engine speed. Full back position is the IDLE position. Full forward is the cutting position.
- Left Steering Control (Figure 4-2). Used to control the mower's left wheel when traveling forward or reverse.
- Right Steering Control (Figure 4-2). Used to control the mower's right wheel when traveling forward or reverse.
- **7. Brake Pedal (Figure 4-1).** Depressing the brake pedal applies the brake.
- 8. Parking Brake Lock Latch (Figure 4-2). Used to lock the parking brake in the engaged position. Fully depress the brake pedal and pull the parking brake lock latch back to lock the parking brake in the engaged position. See Figure 4-3. Fully depress the brake pedal forward to disengage the parking brake lock latch, then release the brake pedal to disengage the brake. See Figure 4-4.

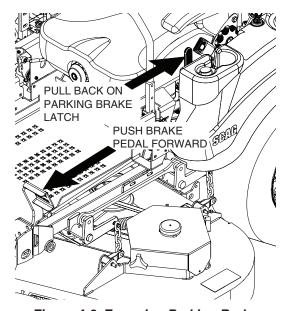


Figure 4-3. Engaging Parking Brake

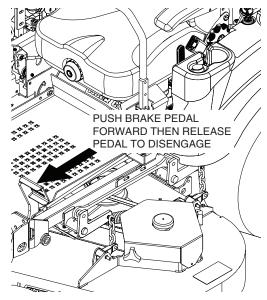


Figure 4-4. Releasing the Parking Brake

- 9. Fuel Tank Gauge (Figure 4-2). Indicates the amount of fuel in the fuel tank.
- 10. Dump Valve Control Levers (Figure 4-5). Located on the hydraulic pumps, used to "free-wheel" the mower. Rotating clockwise until they stop allows the unit to move under hydraulic power. The levers must be in this position and torqued to 10 lb-ft during operation of the mower. Rotating counter-clockwise allows the mower to be moved by hand (free-wheeling). See Figure 4-5.

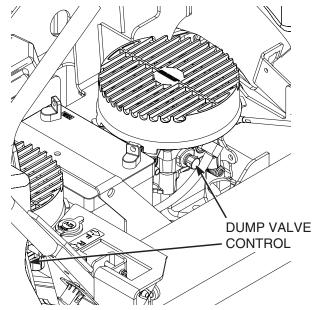


Figure 4-5. Dump Valve Control

**11. Deck Lift Foot Lever (Figure 4-2).** Used to raise and lower the cutter deck. Push full forward to lock in the transport position.



- **12. Cutting Height Adjustment (Figure 4-2).** Used to set the cutter deck at the desired cutting height.
- 13. Deck Release Lever (Figure 4-2). Used to lock the cutter deck in the transport position. Push the foot pedal forward and pull back on the release lever to release the cutter deck for normal mowing.
- 14. Seat Suspension Control Knob (Figure 4-2). Used to select the optimum suspension rate based on the operator.
- **15. Seat Belt (Figure 4-2)**. Used to secure the operator. Seat belt must be worn at all times when the ROPS is in the upright and locked position.
- **16.** Seat Hold Down Release Latch (Figure 4-2). Located behind the seat. Used to secure the seat in the operator's position. Release the latch to gain access under the seat.
- 17. Fuel Switching Valve (Figure 4-2). Located on the right side of the machine. Used to shut off fuel supply to the engine and change fuel supply between the fuel tanks. Rotate the valve counter clockwise to supply fuel from the tank on the left side only. Rotate the valve clockwise to supply fuel from the tank on the right side only.

### 4.3 SAFETY INTERLOCK SYSTEM

The mower is equipped with a safety interlock system that prevents the engine from starting unless the deck drive is disengaged, the parking brake is engaged, the steering control levers are in the neutral position and the operator is in the seat. The interlock system shuts off the engine if the operator leaves the seat with the steering control levers not in the neutral position and/or the cutter blades engaged and the parking brake not engaged.

## **WARNING**

Never operate the mower with the interlock system disconnected or malfunctioning. Do not disengage or bypass any switch; injury to yourself and others or property damage could result.

### 4.4 INITIAL RUN-IN PROCEDURES

### FIRST DAY OF USE OR APPROXIMATELY 20 HOURS

1. Check all belts for proper alignment and wear at 2, 4 and 8 hours.

- 2. Change the engine oil and oil filter after the first 20 hours of operation. (See Section 7.4.)
- 3. Check hydraulic oil level in reservoir. (See Section 7.3.)
- 4. Check for loose hardware. Tighten as needed.
- Check interlock system for proper operation. (See Section 4.2.)
- 6. Check tire pressure. Adjust pressure if necessary. (See Section 7.10.)

### 4.5 STARTING THE ENGINE

## **A** CAUTION

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.

- Be sure the fuel shutoff valve, located behind the operator's seat, is completely open. (See Section 7.5.)
- 2. Secure the ROPS in the upright and locked position.
- 3. Sit in the operator's seat, fasten seat belt and place the steering control levers in the neutral position.
- 4. Engage the parking brake.
- 5. Place the PTO switch in the disengaged position.
- 6. If the engine is cold, choke the engine as needed.
- 7. Move the engine throttle control to about half engine speed.
- 8. 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.
- 9. Allow engine to warm before operating the mower.



### 4.6 GROUND TRAVEL AND STEERING

### - IMPORTANT -

If you are not familiar with the operation of a machine with lever steering and/or hydrostatic transmissions, the steering and ground speed operations should be learned and practiced in an open area, away from buildings, fences, or obstructions.

Learn the operation on flat ground before operating on slopes.

Start practicing with a slow engine speed and slow forward travel.

Learn to feather the steering controls to obtain a smooth operating action.

Practice operating the mower until you are comfortable with the controls before proceeding to mow.

### **FORWARD TRAVEL**

To travel forward with the mower, disengage the parking brake, pull levers inward out of the neutral lock position and slowly push the steering control levers forward an equal distance. The further the steering control levers are pushed forward the greater the forward speed will be. To increase the speed, push the steering control levers further forward and to decrease the speed, pull the steering control levers back.

To stop the forward travel, pull the steering control levers back to the neutral position.

To steer the mower left while traveling forward, pull the left steering lever back. The further the lever is pulled back, the quicker the mower will turn left.

To steer the mower right while traveling forward, pull the right steering control lever back. The further the lever is pulled back, the quicker the mower will turn right.

### - NOTE -

Smooth operation of the steering levers will produce smooth mower operation. While learning the operation of the steering controls, keep the travel speed low.

#### - IMPORTANT -

Do not travel forward over a curb. The mower will hang up on the curb. Raise the deck and travel backwards over the curb at a 45 degree angle. (See Figure 4-1 items 12-14 for cutter deck raising description.)

#### **REVERSE TRAVEL**



Disengage power to the mower before backing up. Do not mow in reverse unless absolutely necessary and then only after observation of the entire area behind the mower.



Before backing up, observe the rear for persons and obstructions. Clear the area before backing up. Possible injury or property damage could occur.

To travel in reverse, pull levers inward out of the neutral lock position and pull both handles back. Keep the travel speed low while traveling in reverse.

### - NOTE -

The mower may not travel straight in reverse. Slight adjustments may need to be made using the steering controls.

To steer left while traveling in reverse, allow the left steering control lever to move forward. The further the control is allowed to move forward, the quicker the mower will turn left.

To steer right while traveling in reverse, allow the right steering control lever to move forward. The further the control is allowed to move forward, the quicker the mower will turn right.

To stop the reverse travel, allow the steering control levers to return to the neutral position. If the mower is to be parked, place the handles in the neutral lock position and engage the parking brake.



## 4.7 ENGAGING THE DECK DRIVE (CUTTER BLADES)

- 1. Set the throttle at about 3/4 speed. Do not attempt to engage the deck drive at high speed as this shortens the electric clutch life use only moderate engine speed when engaging the deck drive.
- 2. Engage the deck drive by pulling out on the yellow switch, located on the instrument panel, to the engage position. See Figure 4-3.

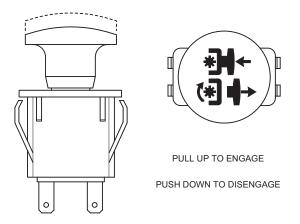


Figure 4-6. Cutter Engage Switch

### - NOTE -

A squealing noise may be heard when engaging or disengaging the deck drive. It is caused by the electric clutch plates meshing as the mower comes up to speed. This is normal.

- 3. To disengage the deck drive, push the switch in to the disengage position.
- Always operate the engine at full throttle to properly maintain cutting speed. If the engine starts to lug down, reduce the forward speed and allow the engine to operate at maximum RPM.

### 4.8 HILLSIDE OPERATION



DO NOT operate on steep slopes. To check a slope, attempt to back up it (with the cutter deck down). If the machine can back up the slope without the wheels slipping, reduce speed and use extreme caution. Under no circumstances should the machine be operated on slopes greater than 15 degrees. See Figure 2-4, Page 7 to help determine approximate slope of area to be mowed. ALWAYS FOLLOW OSHA APPROVED OPERATION.

- This mower has been designed for good traction and stability under normal mowing conditions. However, caution must be used when traveling on slopes, especially when the grass is wet. Wet grass reduces traction and steering control. The Roll-Over Protection System is standard equipment for this machine. See Section 2.5, page 6 of this manual for further details.
- To prevent tipping or loss of control, do not start or stop suddenly, avoid unnecessary turns and travel at reduced speed. If tires loose traction, disengage blades and proceed slowly off the slope.
- 3. Avoid sudden starts when mowing uphill. Sudden starts may cause the machine to tip backwards.
- Loss of traction may occur when traveling down hill.
   Weight transfers to the front of the machine and may cause the drive wheels to slip causing loss of braking or steering.
- 5. Keep tires properly inflated.

### 4.9 PARKING THE MOWER

- 1. Park the machine on a flat, level surface only. Do not park the machine on an incline.
- 2. Place the steering control levers in the neutral position.
- 3. Disengage the cutter blades.
- 4. Slow the engine to idle speed.
- 5. Engage the parking brake.
- 6. Turn the ignition key to the OFF position and remove the key.



### 4.10 AFTER OPERATION

 Wash the entire mower 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.

- 2. Keep the entire mower clean to inhibit serious heat damage to the engine or hydraulic oil circuit.
- 3. Check the drive belts for proper alignment and any signs of wear. Correct and adjust if necessary.

## **A DANGER**

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

- After the mower has cooled down, fill the fuel tank with fresh, clean fuel at the end of every day of operation. See Engine Owner's Manual for proper octane requirements.
- Check the tire pressure. Adjust pressure if necessary.

### 4.11 REMOVING CLOGGED MATERIAL

## **A DANGER**

### **ROTATING BLADES**

NEVER PUTYOUR HANDS INTO THE DISCHARGE CHUTE FOR ANY REASON!

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

 If the discharge chute becomes clogged, shut off the engine and remove the ignition key. Using a stick or similar item, dislodge the clogged material. Then resume normal mowing.

## 4.12 MOVING MOWER WITH ENGINE STOPPED

To "free-wheel" or move the mower around without the engine running, rotate the dump valve counter-clockwise. See Figure 4-7. Disengage the parking brake and move the mower by hand. When the machine is in the desired position, engage the parking brake and rotate clockwise until they stop. The dump valves must be returned to the DRIVE position and torqued to 10ft/lbs to drive the mower.

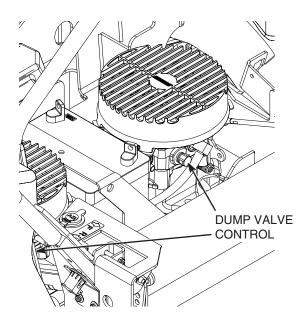


Figure 4-7. Dump Valve Control

### 4.13 RECOMMENDATIONS FOR MOWING

 Do not mow with dull blades. A dull blade will tear grass, resulting in poor lawn appearance and reduced mowing power.

## **WARNING**

DO NOT operate without Discharge Chute, Mulching Kit, or entire Grass Catcher properly installed.

2. The discharge chute must not be removed and must be kept in the lowest position to deflect grass clippings and thrown objects downward. Direct the side discharge away from sidewalks or streets to minimize cleanup of clippings. When mowing close to obstacles, direct the discharge away from the obstacles to reduce the chance of property damage by thrown objects.



- 3. Cut grass when it is dry and not too tall. Do not cut grass too short (cut off 1/3 or less of existing grass for best appearance). Mow frequently.
- 4. Keep mower and discharge chute clean.
- When mowing wet or tall grass, mow the grass twice.
   Raise the mower to the highest setting for the first pass and then make a second pass to the desired height.
- 6. Use a slow travel speed for trimming purposes.
- Operate the engine at full throttle for best cutting.
   Mowing with a lower RPM causes the mower to tear the grass. The engine is designed to be operated at full speed.
- 8. Use the alternate stripe pattern for best lawn appearance. Vary the direction of the stripe each time the grass is mowed to avoid wear patterns in the grass.

### 4.14 ADJUSTING CUTTING HEIGHT

The mower deck can be adjusted from a height of 1 inch to 5 inches at 1/4-inch intervals. To adjust the cutting height:

## **WARNING**

DO NOT adjust the cutting height with the mower blades rotating. Disengage the power to the cutter blades and then adjust cutting height.

- 1. Disengage the power to the cutter blades.
- 2. Push the cutting height adjustment foot pedal all the way forward using your right foot until it locks in place. See Figure 4-8.

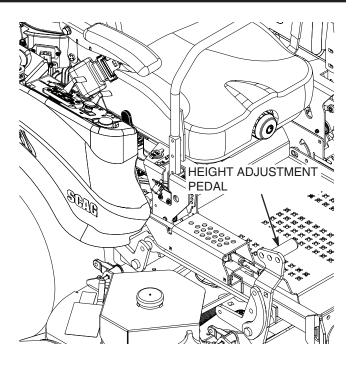


Figure 4-8. Adjusting Cutting Height

3. Insert the lanyard pin into the cutting height index at the desired cutting height. Push forward on the deck lift foot lever, hold in place and pull back on the deck release lever. See Figure 4-9. Slowly release the foot pedal. A deck height decal is located on the cutting height index as an aid in adjusting the deck to the desired height. See Figure 4-8.

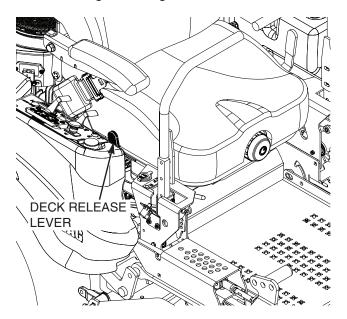


Figure 4-9. Deck Release Lever



## 4.15 TOWING (OPTIONAL HITCH ACCESSORY)

- 1. NEVER allow children or others in or on towed equipment.
- 2. Tow only with a machine that has a hitch designed for towing. Do not attach towed equipment except at the hitch point.
- 3. Follow manufacturer's recommendations for weight limit for towed equipment; 250/lbs. maximum towing weight.
- 4. NEVER tow on slopes. The weight of the towed equipment may cause loss of traction and loss of control.
- 5. Travel slowly and allow extra distance to stop.
- 6. Zero-turning with a trailer attached could cause damage to the trailer or mower.



### TROUBLESHOOTING CUTTING CONDITIONS

CONDITION	CAUSE	CURE
STRINGERS - OCCASIONAL BLADES OF UNCUT GRASS	Low engine RPM	Run engine at full RPM
Mandandandandandanda	Ground speed too fast	Slow speed to adjust for conditions
	Wet grass	Cut grass after it has dried out
(	Dull blades, incorrect sharpening	Sharpen blades
	Deck plugged, grass accumulation	Clean underside of deck
Width of Deck SGB020	Belts slipping	Adjust belt tension
STREAKING - STRIPS OF UNCUT GRASS IN CUTTING	Dull, worn blades	Sharpen blades
PATH	Incorrect blade sharpening	Sharpen blades
nomone yournand dammin	Low engine RPM	Run engine at full RPM
	Belt slipping	Adjust belt tension
	Deck plugged, grass accumulation	Clean underside of deck
	Ground speed too fast	Slow speed to adjust for conditions
Width of Deck	Wet grass	Cut grass after it has dried out
	Bent blades	Replace blades
STREAKING - STRIPS OF UNCUT GRASS BETWEEN CUTTING PATHS  Width Width of of Opeck Ope	Not enough overlapping between rows	Increase the overlap of each pass



### TROUBLESHOOTING CUTTING CONDITIONS (CONT'D)

CONDITION	CAUSE	CURE
UNEVEN CUT ON FLAT GROUND - WAVY HIGH-LOW	Lift worn from blade	Replace blade
APPEARANCE, SCALLOPED CUT, OR ROUGH CONTOUR	Blade upside down	Mount with cutting edge toward ground
Many	Deck plugged, grass accumulation	Clean underside of deck
	Too much blade angle (deck pitch)	Adjust pitch and level
	Deck mounted improperly	See your authorized SCAG dealer
Width of Deck	Bent spindle area	See your authorized SCAG dealer
vidin of Deck	Dull blade	Sharpen blade
UNEVEN CUT ON UNEVEN GROUND-WAVY APPEARANCE, HIGH-LOW SCALLOPED CUT, OR ROUGH CONTOUR  Width of Deck	Uneven ground	May need to reduce ground speed, raise cutting height, and/or change direction of cut
SLOPING RIDGE ACROSS WIDTH OF CUTTING PATH	Tire pressures not equal	Check and adjust tire pressure
Manusan and a second a second and a second a	Wheels uneven	Check and adjust tire pressure
Width of Deck	Deck mounted incorrectly	See your authorized SCAG dealer
	Deck not level side-to side	Check for level and correct



### TROUBLESHOOTING CUTTING CONDITIONS (CONT'D)

CONDITION	CAUSE	CURE
SCALPING - BLADES HITTING DIRT OR CUTTING VERY CLOSE	Low tire pressures	Check and adjust pressures
TO THE GROUND	Ground speed too fast	Slow speed to adjust for conditions
	Cutting too low	May need to reduce ground speed, raise cutting height, change direction of cut, and/or change pitch and level
	Rough terrain	May need to reduce ground speed, raise cutting height, and/or change direction of cut
Width of Deck	Ground speed too fast	Slow speed to adjust for conditions
CONTRACTOR	Wet grass	Cut grass after it has dried out
STEP CUT - RIDGE IN CENTER OF CUTTING PATH	Blades not mounted evenly	Adjust pitch and level
Walley Common Co	Bent blade	Replace blade
	Internal spindle failure	See your authorized SCAG dealer
Width of Deck SGB024	Mounting of spindle incorrect	See your authorized SCAG dealer
SLOPE CUT - SLOPING RIDGES ACROSS WIDTH OF CUTTING	Bent spindle mounting area	See your authorized SCAG dealer
PATH	Internal spindle failure	See your authorized SCAG dealer
Width of Deck	Bent deck housing	See your authorized SCAG dealer



### **ADJUSTMENTS**

### 6.1 PARKING BRAKE ADJUSTMENT

## **A WARNING**

Do not operate the mower if the parking brake is not operable. Possible severe injury could result.

The parking brake linkage should be adjusted whenever the parking brake lock latch is placed in the "ENGAGE" position and the parking brake will not prevent the mower from moving. If the following procedures do not allow you to engage the parking brake properly, contact your Scag dealer for further brake adjustments.

- 1. Park the machine on a flat surface and block the caster wheels to prevent the machine from moving. Remove the ignition key.
- 2. Engage the parking brake. Fully depress the brake pedal and pull the parking brake lock latch back to lock the parking brake. See Figure 6-1.
- 3. Loosen the jam nut at the front of the brake linkage. See Figure 6-2.
- 4. With the parking brake in the locked position, turn the adjustment nut until the brake spring has an overall length of 2". See Figure 6-2.
- 5. Repeat steps 3 and 4 on the other side of the machine.
- 6. Test the parking brake.

### - NOTE -

If this procedure does not achieve proper brake adjustment, please contact your authorized Scag dealer.

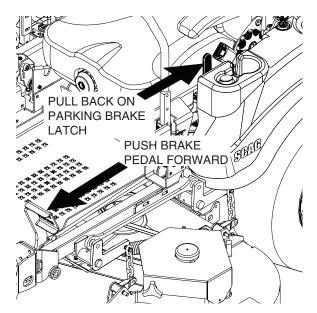


Figure 6-1. Brake Adjustment

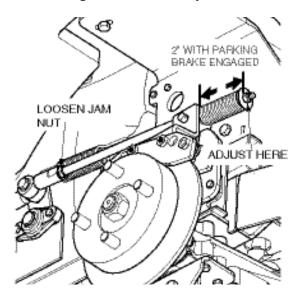


Figure 6-2. Brake Rod Adjustment

### **6.2 TRAVEL ADJUSTMENTS**

Neutral or tracking adjustments will need to be made if:

- A. The steering control levers are in the neutral position and the machine creeps forward or backward. (Neutral Adjustment, See Page 25).
- B. The steering control levers are in the full forward position and the mower pulls to one side or the other when traveling in a forward direction. (Tracking Adjustment, See Page 25).



### **NEUTRAL ADJUSTMENT**

- Be sure the dump valve levers are in the run position and the steering control levers are in the neutral lock position.
- 2. With an operator in the seat, start the engine and disengage the parking brake.
- 3. Run the engine at full operating speed and check if the machine creeps forward or backwards.
- 4. Adjust the RH wheel by loosening the jam nuts on the steering control rod and turning the rod until the drive wheel turns in the forward direction. Turn the rod back until the drive wheel stops moving. Turn the rod an additional 1/2 turn. See Figure 6-3.

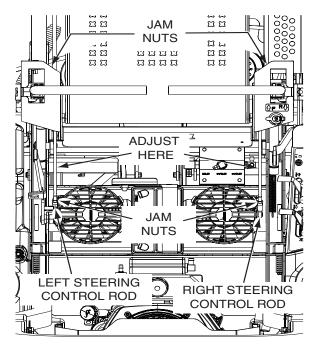


Figure 6-3. Steering Control Rod Adjustment

- 5. Tighten the jam nuts and repeat for the LH wheel. See Figure 6-3.
- 6. Actuate the steering control levers forward and reverse several times and return them to the neutral position.
- Check that the drive wheels remained in neutral and readjust if necessary.
- 8. Check that the steering control levers hit the stop before the pumps reach full stroke. Adjust as needed.

### TRACKING ADJUSTMENT



Stop the engine and remove the key from the ignition before making any adjustments. Wait for all moving parts to come to a complete stop before beginning work.



The engine and drive unit can get hot during operation causing burn injuries. Allow engine and drive components to cool before making any adjustments.

#### - NOTE -

Before proceeding with this adjustment, be sure that the caster wheels turn plus pivot freely and that the tire pressure in the drive wheels is correct. If the tire pressure is not correct, the machine will pull to the side with the lower pressure.

- If at full speed the mower pulls right, it is an indication that the left wheel is turning faster than the right wheel. To adjust this condition, proceed as follows:
  - A. Stop the machine and place the steering control levers in the neutral position. Turn the tracking adjustment bolt for the LH pump inward (clockwise). This will cause the control rod to stroke the LH pump less, slowing down the LH wheel. See Figure 6-4.
- 2. If at full speed the mower pulls left, it is an indication that the right wheel is turning faster than the left wheel. To adjust this condition, proceed as follows:
  - A. Stop the machine and place the steering control levers in the neutral position. Turn the tracking adjustment bolt for the RH pump inward (clockwise). This will cause the control rod to stroke the RH pump less, slowing down the RH wheel. See Figure 6-4.



#### - NOTE -

If after making the adjustment as outlined in step 2A, the machine creeps forward or backward, perform the neutral adjustment. See Neutral Adjustment on page 25.

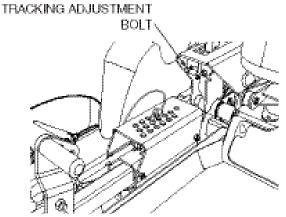


Figure 6-4. Tracking Adjustment

## 6.3 THROTTLE CONTROL AND CHOKE ADJUSTMENTS

These adjustments must be performed by your Scag dealer to ensure proper and efficient running of the engine. Should either need adjustment, contact your authorized Scag service center.

### **6.4 BELT ADJUSTMENT**

## **WARNING**

Before removing any guards, shut the engine off and remove the ignition key.

All drive belts are spring loaded and self-tensioning, however after the first 2, 4, 8 and 10 hours of operation, the belts should be checked for proper alignment and wear. Thereafter, check the belts after every 40 hours of operation or weekly, whichever occurs first.

## **WARNING**

If the pump drive belt fails, steering control will be lost which could result in serious injury or death. Replace the pump drive belt as needed or every 400 hours / 2 years, whichever occurs first.

### **6.5 BELT ALIGNMENT**

Belt alignment is important for proper performance of your Scag mower. If you experience frequent belt wear or breakage, see your authorized Scag service center for belt adjustment.

### **6.6 CUTTER DECK ADJUSTMENTS**

Cutter deck level, pitch and height are set at the factory. However, if these adjustments should ever need to be made, the following procedures will aid in obtaining the proper cutter deck adjustment.

#### - NOTE -

Before proceeding with the cutter deck adjustments, be sure that all tires are properly inflated.

#### **CUTTER DECK LEVEL**

The cutter deck should be level from side-to-side for proper cutting performance. To check for level, be sure that the mower is on a flat, level surface, the tires are properly inflated and the cutter deck is set at the most common cutting height that you will use. On the RH side of the machine, check the distance from the top of the cutter deck to the floor. Next check the distance from the top of the cutter deck to the floor on the LH side of the machine. Both measurements should be the same. If the two measurements are different, the cutter deck level must be adjusted as follows:

1. If the cutter deck is lower on one side, loosen the elastic stop nuts securing the deck level links on the front and rear of the lower side. See Figure 6-5.

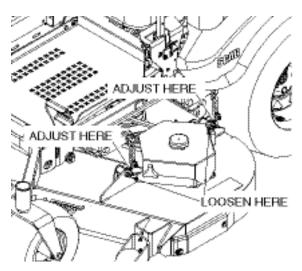


Figure 6-5. Cutter Deck Level Adjustment



- Turn the adjustment bolts on the front and rear deck level links clockwise until the cutter deck is level between both sides. See Figure 6-5.
- 3. Tighten the two (2) elastic stop nuts to secure the cutter deck in the proper position.

### **CUTTER DECK PITCH**

The pitch of the cutter deck should be equal between the front and rear of the cutter deck for proper cutting performance. To check for proper deck pitch, be sure that the mower is on a flat, level surface and the tires are properly inflated.

Check the distance from the top of the cutter deck to the floor at the rear RH side of the cutter deck directly behind the cutter deck hanging chains. Next check the distance from the top of the cutter deck to the floor at the front RH side of the cutter deck directly in front of the cutter deck hanging chains. The measurement at the front of the cutter deck should be the same as the rear of the deck. Make these measurements at the LH side of the cutter deck also. If the measurement at the front of the deck is not the same, the cutter deck pitch must be adjusted as follows:

 Loosen the elastic stop nuts securing the deck level links on the front of the cutter deck on both sides. See Figure 6-6 and 6-7.

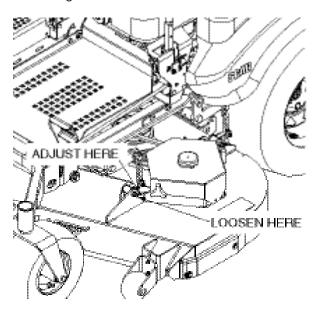


Figure 6-6. Cutter Deck Pitch Adjustment

Turn the adjustment bolts on both sides either clockwise to raise or counter-clockwise to lower the front of the cutter deck until the measurements are equal. Tighten the elastic stop nuts.

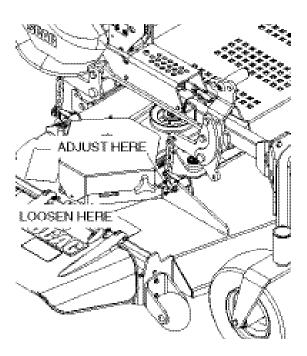


Figure 6-7. Cutter Deck Pitch Adjustment

### - NOTE -

To prevent the cutter deck from teetering, all four (4) cutter deck hanging chains must have tension on them. If all four chains do not have tension on them and the deck teeters, you must readjust the cutter deck as outlined in the procedures above. All measurements should be taken from the top edge of the deck as the deck has an uneven bottom edge.

### **CUTTER DECK HEIGHT**

The cutter deck height adjustment is made to ensure that the cutter deck is cutting at the height indicated on the cutting height index gauge. To check for proper deck height, be sure that the mower is on a flat, level surface and the tires are properly inflated.

- Check the cutter deck cutting height by placing the lanyard pin in the 4-1/2" position on the cutting height index. Release the deck from the transport position and allow the deck to move to the 4-1/2" cutting height position.
- Check the measurement from the floor to the cutter blade tip. If the measurement is not at 4-1/2", an adjustment can be made using the deck height control rod.
- 3. Loosen the jam nuts on both ends of the deck height control rod. See Figure 6-8.



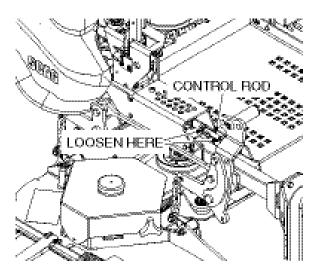


Figure 6-8. Cutter Deck Height Adjustment

4. Turn the control rod (See Figure 6-8) until the measurement from the floor to the cutter blade tip is at 4-1/2". Tighten the jam nuts on the control rod.

### - NOTE -

If an adjustment had to be made, be sure that the cutter deck can easily be locked into the transport position.

### 6.7 CUSTOM-CUT BAFFLE ADJUSTMENT

The Custom-Cut Baffle is designed to deliver optimum airflow and superior cutting performance in any type of grass. The Custom-Cut Baffle can be raised or lowered to precisely tailor the deck's performance for the type of grass being cut. The baffle can be set in seven (7) different positions for optimum performance.

- A. 3-1/2" or 3-3/4" Position (See Figure 6-9). For very tall, wiry or tough-to-cut grass.
- B. 4" (factory setting), 4-1/4" or 4-1/2" Position (See Figure 6-9). For general purpose cutting. This gives the best mix of cutting performance in all types of grass.
- C. 4-3/4" or 5-1/4" Position (See Figure 6-9). Placing the baffle in either the 4-3/4" or 5-1/4" setting will enhance fall cutting (leaf pickup) and reduce cutter deck "blowout".

To adjust the Custom-Cut Baffle height:

- 1. Place the cutter deck in the transport position.
- 2. Remove the hardware securing the Custom-Cut Baffle to the cutter deck.

### - NOTE -

Hardware location used in the illustrations are for reference only. Location of hardware may vary depending on cutter deck size.

- 3. Move the Custom-Cut Baffle to desired position. See Figure 6-9.
- 4. Reinstall the mounting hardware. Torque hardware to 39 ft-lbs.



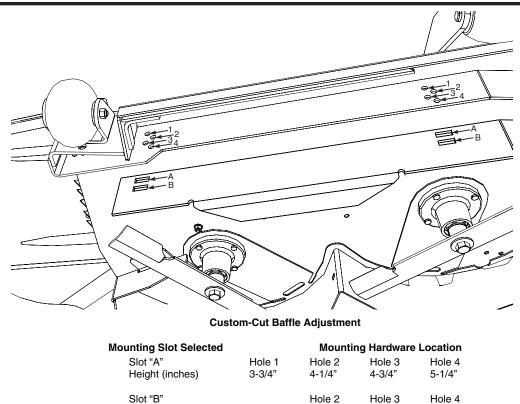


Figure 6-9. 7-Position Custom-Cut Baffle Adjustment

3-1/2"

### **6.8 ELECTRIC CLUTCH ADJUSTMENT**

The electric clutch serves two functions in the operation of the mower. In addition to starting and stopping the power flow to the cutter blades, the clutch also acts as a brake to assist in stopping blade rotation when the PTO is switched off or the operator presence circuit is interrupted.

Height (inches)

When the clutch is disengaged, the air gap between the armature and rotor must be adjusted to fifteen thousandths of an inch, 0.015, for proper operation. The airgap adjustment is made at three bolts on the clutch. There are three inspection windows, one next to each adjusting bolt. See Figure 6-10.

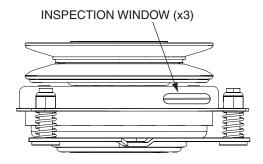


Figure 6-10. Clutch Air Gap Adjustment

- 1. Locate the inspection windows on the clutch.
- 2. Place a 0.015 feeler gauge in the slot between the rotor and the armature. See Figure 6-11.

4-1/2"

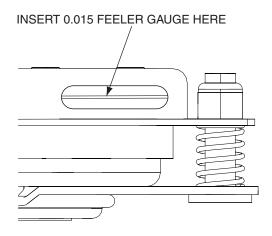


Figure 6-11. Clutch Air Gap Adjustment

 Tighten or loosen the adjusting bolt as needed to achieve the 0.015 inch airgap. See Figure 6-12. Perform this operation at all three inspection windows.



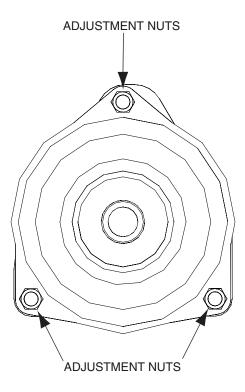


Figure 6-12. Clutch Air Gap Adjustment

This adjustment should be done every 500 hours of operation or annually, whichever comes first. In cases where the machine is heavily used, airgap settings should be checked more often.

If the air gap is too narrow, the clutch armature may drag when disengaged, resulting in premature failure.

If the air gap is too wide, the clutch may be slow to engage as the magnet must pull the armature in from a greater distance.



### **MAINTENANCE**

### 7.1 MAINTENANCE CHART - RECOMMENDED SERVICE INTERVALS

	HOURS							
BREAK-IN (FIRST 10)	8	20	40	100	200	500	PROCEDURE	COMMENTS
Х							Check all hardware for tightness	
Х							Check hydraulic oil level	See paragraph 7.3
Х							Check all belts for proper alignment	See paragraph 7.8
	Х						Check hydraulic fittings and hoses for leaks	Use extreme caution when checking the hydraulic hoses. See paragraph 2.6
	Х						Check engine oil level	See paragraph 7.4
	Х						*Clean mower	See paragraph 7.13
	Х						Check condition of blades	See paragraph 7.9
	Х						Apply grease to fittings	See paragraph 7.2
	Х						Check tire pressure	See paragraph 7.10
	Х						Inspect seat belt for wear or damage	See paragraph 2.5
	Х						Check the operator interlock system	See paragraph 4.2
		Х					Change engine oil and filter	See paragraph 7.4
			Х				Check battery electrolyte level clean battery posts and cables	See paragraph 7.7
			Х				Check belts for proper alignment	See paragraph 7.8
			Х				Inspect pump drive belt. Replace every 400 hours or 2 years, whichever comes first	See paragraph 6.4 & 7.8
			Х				Check condition of fuel lines	
				Х			Apply grease to fittings	See paragraph 7.2
				Х			Change engine oil	See paragraph 7.4
				Х			*Clean air cleaner element	See paragraph 7.6

<sup>\*</sup> Perform these maintenance procedures more frequently under extreme dusty or dirty conditions



### MAINTENANCE CHART - RECOMMENDED SERVICE INTERVALS (CONT'D)

		HOUR	S					
BREAK-IN (FIRST 10)	8	40	100	200	500	PROCEDURE	COMMENTS	
				Х		Apply grease to fittings	See paragraph 7.2	
				Х		Check hardware for tightness		
				Х		Change engine oil filter	See paragraph 7.4	
				Х		Check hydraulic oil level	See paragraph 7.3	
					Х	Replace engine fuel filter	See paragraph 7.5	
					Х	Drain hydraulic system and replace hydraulic oil	Use SAE 20W50 Motor Oil. See paragraph 7.3	
					Х	Replace hydraulic oil filter	See paragraph 7.3	
					Х	Adjust electric PTO clutch	See paragraph 6.8	

### 7.2 LUBRICATION

### **GREASE FITTING LUBRICATION CHART (SEE FIGURE 7-1)**

LOCATION	LUBRICATION INTERVAL	LUBRICANT	NO. OF PLACES
1 Caster Wheel Pivot *	500 Hours/Yearly	Chassis Grease	2
2 Caster Wheel Bearings	100 Hours/Monthly	Chassis Grease	2
3 Cutter Deck Bellcranks	100 Hours/Bi-Weekly	Chassis Grease	4
4 Cutter Deck Pusharms	100 Hours/Bi-Weekly	Chassis Grease	2
5 Cutter Deck Spindle	40 Hours/Weekly	+Lithium MP White Grease 2125	3

+ Compatible Greases: Mobilgrease XHP 222 Exxon Mobil Ronex MP

Exxon Mobil Unirex EP2

\* **PROCEDURE:** Remove grease cap, part number 484195. Remove plug, part number 482028-01, and install grease zerk. Apply grease to the fitting until new grease appears at the top of the caster extension. Remove the grease zerk and reinstall the plug. Reinstall the grease cap. Special tool, part number 47007, is recommended for use in the installation of the grease cap.



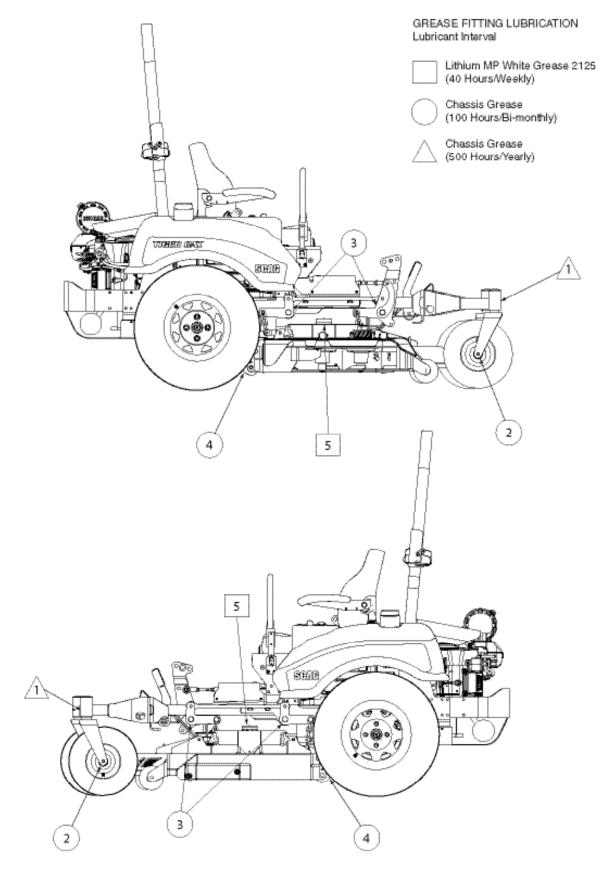


Figure 7-1. Lubrication Fitting Points



#### 7.3 HYDRAULIC SYSTEM

### A. CHECKING HYDRAULIC OIL LEVEL

The hydraulic oil level should be checked after the first 10 hours of operation. Thereafter, check the oil after every 200 hours of machine operation or monthly, whichever occurs first.

#### - IMPORTANT -

If the oil level is consistently low, check for leaks and correct immediately.

- Tilt the seat forward to access the hydraulic oil reservoir. Wipe dirt and contaminants from around the reservoir cap. Remove the cap from the hydraulic oil reservoir.
- Visually check the level of hydraulic oil. Hydraulic oil must be at least 2" inches from top of the filler neck. If the level cannot be determined visually, use a clean tape measure to check the level. If the fluid is low, add 20W50 motor oil. DO NOT overfill; (overfilling the oil reservoir may cause oil seepage around the cap area).
- 3. Clean the fill cap and install it onto the reservoir.

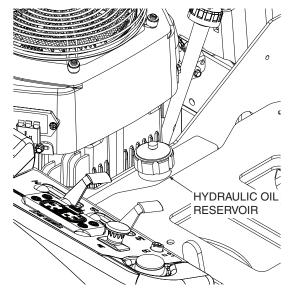


Figure 7-2. Hydraulic Oil Reservoir

### **B. CHANGING HYDRAULIC OIL**

The hydraulic oil should be changed after every 500 hours or annually, whichever occurs first. The oil should also be changed if the color of the fluid has become black or milky. A black color and/or a rancid odor usually indicates possible overheating of the oil, and a milky color usually indicates water in the hydraulic oil.

#### - IMPORTANT -

The hydraulic oil should be changed if you notice the presence of water or a rancid odor to the hydraulic oil.

- 1. Park the mower on a level surface and stop the engine.
- Place a suitable container under the hydraulic oil filter. Tilt the seat forward. Remove the fill cap from the reservoir and the drain plug from the bottom of the drain tee fitting on the front side of the filter base. See Figure 7-3. Allow the fluid to drain into the container and properly discard it.

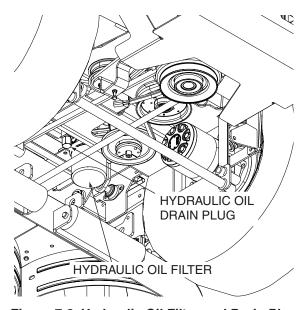


Figure 7-3. Hydraulic Oil Filter and Drain Plug

3. Re-install the drain plug into the tee fitting and be sure it is tight.

#### - NOTE -

Before refilling the hydraulic oil reservoir the hydraulic oil filter should be changed as outlined in Procedure C "Changing Hydraulic Oil Filter Element" on page 35.

- 4. Fill the reservoir to 2" inches from the top of the filler neck with 20W50 motor oil.
- Replace the reservoir fill cap. Start the engine and drive forward and backward for two minutes. Check the oil level in the reservoir. If necessary, add oil to the reservoir.



# C. CHANGING HYDRAULIC OIL FILTER ELEMENT

The hydraulic oil filter should be changed after every 500 hours of operation or annually, whichever occurs first.

- 1. Remove the oil filter element and properly discard it. See Figure 7-3. Fill the new filter with clean oil and install the filter. Hand tighten only.
- Run the engine at idle speed with the speed control lever in neutral for five minutes.
- 3. Check the oil level in the hydraulic tank. It must be 2" inches from the top of the filler neck. If necessary, add SAE 20W50 motor oil.

### 7.4 ENGINE OIL

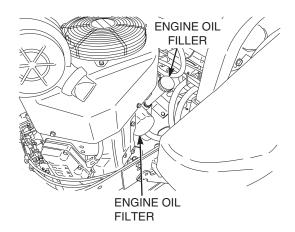


Figure 7-4. Kohler / Kawasaki Engine Oil Fill/Dipstick, and Filter Locations

### 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 mower.

#### **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 mower for instructions.

#### C. CHANGING ENGINE OIL FILTER

After the first 20 hours of operation, replace the engine oil filter. Thereafter, replace the oil filter after every 200 hours of operation or every month, whichever occurs first. Refer to Engine Operator's Manual for instructions. See Figure 7-4

#### 7.5 ENGINE FUEL SYSTEM



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

#### A. FILLING THE FUEL TANK

Fill to the bottom of the filler neck insert (approximately 5.3 gallons RH Fuel Tank and 5.7 Gallons LH Fuel Tank) at the beginning of each operating day. See Figure 7-5. Do not overfill. Use clean, fresh unleaded gasoline with a minimum octane rating of 87 and a maximum of 10% Ethanol.

DO NOT use E85 Fuel. Using E85 Fuel will cause severe damage to the engine.

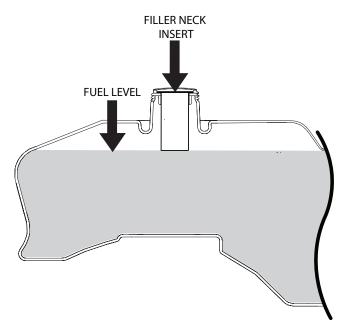


Figure 7-5. C.A.R.B. / EPA Phase 3 Fuel Level



To avoid personal injury or property damage, use extreme care in handling gasoline. Gasoline is extremely flammable and the vapors are explosive.

- 1. Extinguish all cigarettes, cigars, pipes and other sources of ignition.
- 2. Use only an approved gasoline container.
- 3. Never remove the gas cap or add fuel with the engine running. Allow the engine to completely cool before fueling.
- 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.
- 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. Remove the machine from the truck or trailer and fuel on the ground. If this is not possible, then refuel the machine with a portable container, rather than from a gasoline dispenser nozzle.
- 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.
- 9. If fuel is spilled on clothing, change clothing immediately and wash affected skin.
- 10. Replace gas cap and tighten until it ratchets.

# B. REPLACING IN-LINE FUEL FILTER ELEMENTS

The engine fuel filter should be replaced after every 500 hours of operation or annually, whichever occurs first.

- 1. Close the shut-off valve.
- 2. Remove and replace the engine fuel filter. Open the fuel shut-off valve.

### 7.6 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 100 hours of operation or biweekly, whichever occurs first and replace the element if required.

#### - NOTE -

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

- Release the two latches securing the air cleaner cover to the air cleaner assembly and remove the cover. Set aside.
- 2. Remove the air cleaner and inspect.
- Clean or replace the air cleaner and foam pre-cleaner as recommended by the engine manufacturer.
- 4. Replace the air cleaner cover and be sure to snap the two latches closed.

### 7.7 BATTERY

# **WARNING**

Lead-acid batteries produce flammable and explosive gases. To avoid personal injury when checking, testing or charging batteries, DO NOT use smoking materials near batteries. Keep arcs, sparks and flames away from batteries. Provide proper ventilation and wear safety glasses.



# **WARNING**

Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to cause cancer and reproductive harm. Wash hands after handling.

# **WARNING**

Electric storage battery fluid contains sulfuric acid which is POISON and can cause SEVERE CHEMICAL BURNS. Avoid contact of fluid with eyes, skin, or clothing. Use proper protective gear when handling batteries. DO NOT tip any battery beyond 45° angle in any direction. If fluid contact does occur, follow first aid suggestions below.

#### **BATTERY ELECTROLYTE FIRST AID**

External Contact — Flush with water.

Eyes — Flush with water for at least 15 minutes and get medical attention immediately.

Internal — Drink large quantities of water. Follow with Milk Of Magnesia, beaten egg, or vegetable oil. Get medical attention immediately. In case of internal contact, DO NOT give fluids that would induce vomiting.

### A. CHARGING THE BATTERY

Refer to the battery charger's manual for specific instructions.

Under normal conditions the engine's alternator will have no problem keeping a charge on the battery. If the battery has been completely discharged for a long period of time, the alternator may not be able to recharge the battery, and a battery charger will be required.

DO NOT charge a frozen battery. It may explode and cause injury. Let the battery warm before attaching a charger.

Whenever possible, remove the battery from the mower before charging and make sure the electrolyte covers the plates in all cells.

# **A WARNING**

BATTERIES PRODUCE EXPLOSIVE GASES. Charge the battery in a well ventilated space so gases produced while charging can dissipate.

Charging rates between 3 and 50 amperes are satisfactory if excessive gassing or spewing of electrolyte does not occur or the battery does not feel excessively hot (over 125°F). If spewing or gassing occurs or the temperature exceeds 125°F, the charging rate must be reduced or temporarily stopped to permit cooling.

### **B. JUMP STARTING**

- The booster battery must be a 12 volt type. If a vehicle is used for jump starting, it must have a negative ground system.
- When connecting the jumper cables, connect the positive cable to the positive battery post, then connect the negative cable to the negative battery post.

#### 7.8 DRIVE BELTS

All drive belts are spring-loaded and self-tensioning, however after the first 2, 4, 8 and 10 hours of operation, the belts should be checked for proper alignment and wear. Thereafter, check the belts after every 40 hours of operation or weekly, whichever occurs first.

### - NOTE -

If you experience frequent belt wear or breakage, see your authorized Scag service center for belt adjustment.

# **A WARNING**

If the pump drive belt fails, steering control will be lost which could result in serious injury or death. Replace the pump drive belt as needed or every 400 hours / 2 years, whichever occurs first.



#### 7.9 CUTTER BLADES

#### A. BLADE INSPECTION

- 1. Remove the ignition key before servicing the blades.
- 2. Raise the mower deck to the highest position. Place the lanyard pin in the highest cutting height position to prevent the cutter deck from falling.



Always wear proper hand and eye protection when working with cutter blades.

3. Check the cutter blades for wear. If any part of the cutter blade is worn to 1/2 its original thickness, replace the cutter blade.

# **WARNING**

Do not attempt to straighten a bent blade, and never weld a broken or cracked blade. Always replace it with a new blade to assure safety.

- 4. Check the cutter blades for gouges. If there are gouges on the top or bottom surfaces of the cutter blade, replace the cutter blade.
- If a blade cutting edge is dull or nicked, it should be sharpened. Remove the blades for sharpening. See "Blade Replacement."

#### - NOTE -

Keep the blades sharp. Cutting with dull blades not only yields a poor mowing job, but slows the cutting speed of the mower and causes extra wear on the engine and the blade drive by pulling hard.

### **B. BLADE SHARPENING**

#### - NOTE -

If possible, use a file to sharpen the blade. Using a wheel grinder may burn the blade.

#### - NOTE -

DO NOT sharpen the blades beyond 1/3 of the width of the blade. See Figure 7-6.

1. Sharpen the cutting edge at the same bevel as the original. See Figure 7-6. Sharpen only the top of the cutting edge to maintain sharpness.

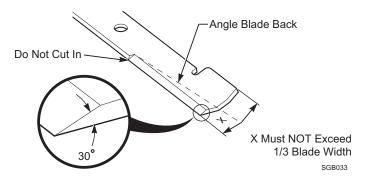


Figure 7-6. Blade Sharpening

 Check the balance of the blade. If the blades are out of balance, vibration and premature wear can occur. The cutter blades should be balanced to 1-1/2 oz-in. See your authorized Scag dealer for blade balancing or special tools, if you choose to balance your own blades.

#### C. BLADE REPLACEMENT

# **WARNING**

Always wear proper hand and eye protection when working with cutter blades.

- 1. Remove the ignition key before replacing the blades.
- 2. Raise the mower deck to the highest position. Place the lanyard pin in the highest cutting height position to prevent the cutter deck from falling.
- Secure the cutter blades to prevent them from rotating, (use the optional Blade Buddy tool P/N 9212, to assist in securing the cutter blades), remove the nut from the blade attaching bolt. Remove the cutter blade, bolt and spacer from the spindle shaft. See Figure 7-7.

### - NOTE -

The front of the machine will have to be raised slightly to remove the blade bolt from the cutter spindle.



# **A** CAUTION

Inspect the cutter blade spacer(s) and washer for wear and/or cupping. Replace the worn parts. Worn spacer(s) and/or washer will not allow proper tightening of the cutter blade and can lead to cutter blade failure, personal injury or property damage.

4. To install the new cutter blade, put the flat washer onto the blade bolt and slide the bolt into the hole in the cutter blade.

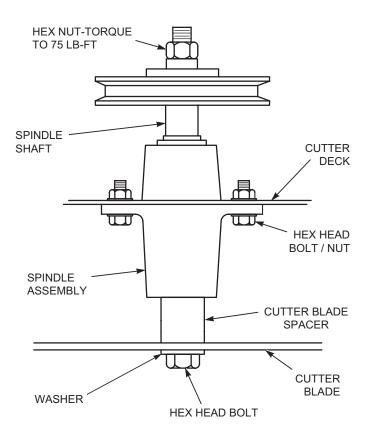


Figure 7-7. Blade Replacement

### - NOTE -

Be sure that the blade is installed with the lift wing toward the top.

- 5. Install the spacer onto the blade bolt and insert the bolt into the cutter spindle shaft.
- 6. Install the hex nut to the blade bolt at the top of the cutter spindle. Secure the blades from rotating and torque to 75 ft/lbs. See Figure 7-7.

#### **7.10 TIRES**

Check the tire pressures after every 8 hours of operation or daily.

Caster Wheels 25 PSI Drive Wheels 12 PSI

### 7.11 BODY, DECK, AND UPHOLSTERY

# **A** CAUTION

Do not wash any portion of the equipment while it is hot. Do not wash the engine; use compressed air.

- After each use, wash the mower and cutter deck.
  Use cold water and automotive cleaners. Do not use
  pressure cleaners.
- 2. Do not spray electrical components.
- 3. Use a mild soap solution or a vinyl/rubber cleaner to clean the seat.
- 4. Repair damaged metal surfaces using Scag touchup paint available from your authorized Scag dealer. Wax the mower for maximum paint protection.



## **ILLUSTRATED PARTS LIST**

### 8.1 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 approved attachments and accessories:

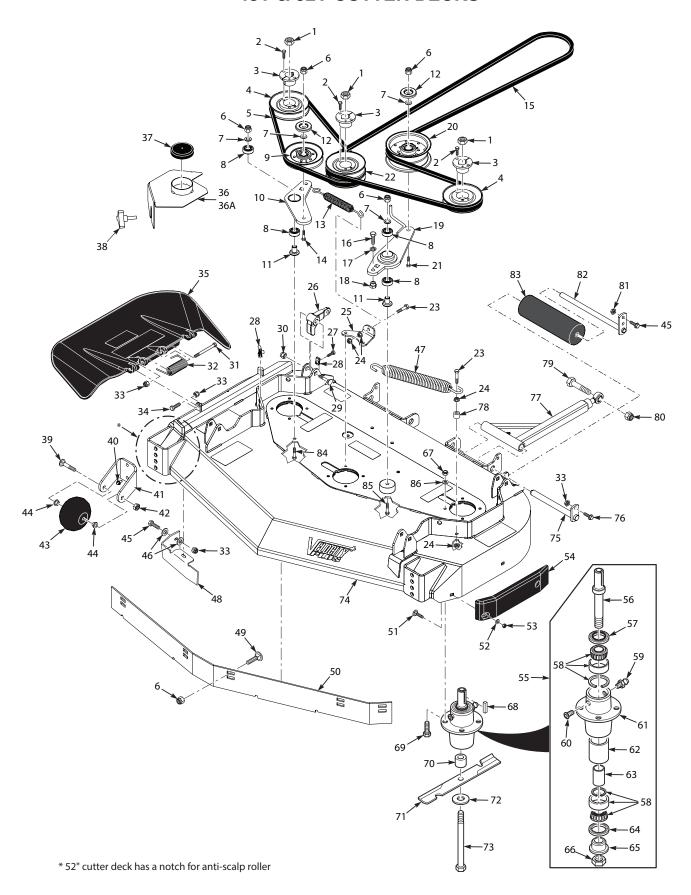
- GC-3B 900S (Requires a 901E, 48V/52V Install Kit) or (901F, 61V STCII Install Kit)
- GC-CS 900T (Requires a 901E, 48V/52V Install Kit) or (901F, 61V STCII Install Kit)
- Mulch Plate 9286 (48V), 9287 (52V), 9288 (61V)
- Hurricane Mulch 9283 (48V), 9284 (52V), 9285) (61V)
- STCII Hitch 922C
- STCII Lights 922Y
- OCDC 922Z (48V), 923A (52V), 923B (61V)
- Tiger Striper 923G (Requires a 923H Install Kit)
- GC-F4 9075
- Blade Buddy 9212
- Quick-Fit Controls 9289
- Flat Free Tire 9277 (13 x 5.0), 9278 (13 x 6.5)
- 12" Chrome Wheel Covers 920J (set of 2)



# **NOTES**



## **48V & 52V CUTTER DECKS**





## **48V & 52V CUTTER DECKS**

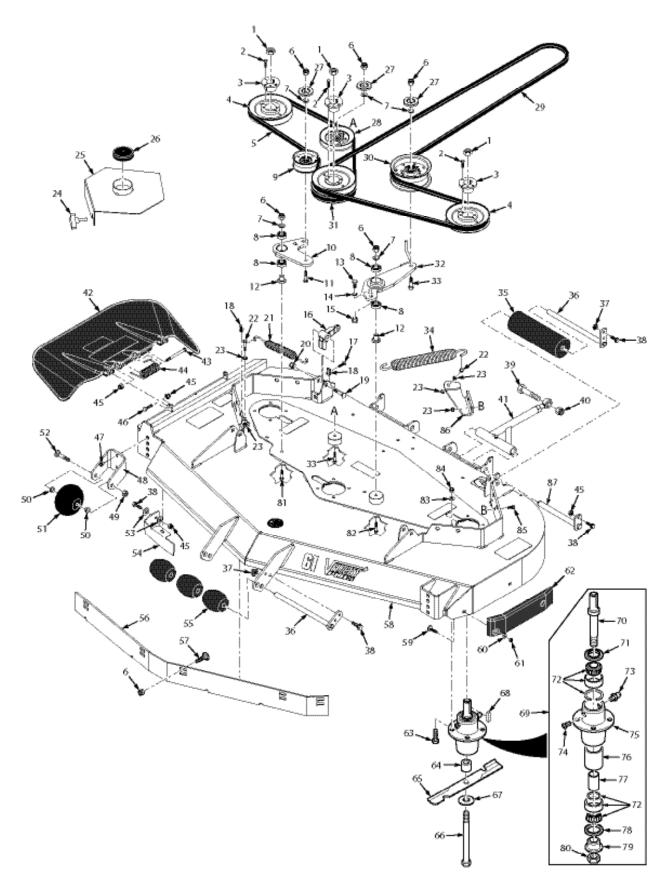
1         04020-09         Nut, 5/8-11 UNC         X         X           2         04001-172         Bolt, Hex Head 1/4-20 x 1" Grade 8         X         X           3         48926         Hub, Tapered 1-1/8" Bore         X         X           4         483282         Pulley 4.75"         X           483239         Belt, RH Cutter Deck         X         X           6         04021-09         Nut, Elastic Stop 3/8-16         X         X           7         04043-04         Flatwasher, 3/8"         X         X           8         48224         Bearing         X         X           9         48181         Pulley, Idler 5" Dia.         X         X           10         461946         Idler Arm (Incl. #8)         X         X           11         43689         Idler Pivot         X         X           12         424367         Dust Shield         X         X           13         483247         Spring, Idler RH         X         X           14         04001-45         Bolt, Hex Head 3/8-16 x 2"         X           15         485635         Belt, Cutter Deck Drive (52V)         X           16         04001-27 </th <th>Ref. No.</th> <th>Part No.</th> <th>Description</th> <th>48</th> <th>52</th>	Ref. No.	Part No.	Description	48	52
3         48926         Hub, Tapered 1-1/8" Bore         X         X           4         483282         Pulley 4.75"         X           5         483284         Pulley 5.35"         X           6         04021-09         Nut, Elastic Stop 3/8-16         X         X           7         04043-04         Flatwasher, 3/8"         X         X           8         48224         Bearing         X         X           9         48181         Pulley, Idler 5" Dia.         X         X           10         461946         Idler Arm (Incl. #8)         X         X           11         43689         Idler Pivot         X         X           12         424367         Dust Shield         X         X           13         483247         Spring, Idler RH         X         X           14         04001-45         Bolt, Hex Head 3/8-16 x 2"         X         X           15         485634         Belt, Cutter Deck Drive (48V)         X         X           16         04001-27         Bolt, Hex Head 7/16-14 x 1"         X         X           17         04030-05         Lockwasher 7/16"         X         X         X <tr< td=""><td></td><td>04020-09</td><td>l</td><td></td><td></td></tr<>		04020-09	l		
4         483282         Pulley 3.75"         X           483284         Pulley 5.35"         X           5         483239         Belt, RH Cutter Deck         X           6         04021-09         Nut, Elastic Stop 3/8-16         X         X           7         04043-04         Flatwasher, 3/8"         X         X           8         48224         Bearing         X         X           9         48181         Pulley, Idler 5" Dia.         X         X           10         461946         Idler Arm (Incl. #8)         X         X           11         43689         Idler Pivot         X         X           12         424367         Dust Shield         X         X           13         483247         Spring, Idler RH         X         X           14         04001-45         Bolt, Hex Head 3/8-16 x 2"         X         X           15         485634         Belt, Cutter Deck Drive (48V)         X         X           485635         Belt, Cutter Deck Drive (52V)         X         X           16         04001-27         Bolt, Hex Head 7/16-14 x 1"         X         X           17         04030-05         Lockwashe					
483284         Pulley 5.35"         X           483239         Belt, RH Cutter Deck         X           483240         Belt, RH Cutter Deck         X           6         04021-09         Nut, Elastic Stop 3/8-16         X         X           7         04043-04         Flatwasher, 3/8"         X         X           8         48224         Bearing         X         X           9         48181         Pulley, Idler 5" Dia.         X         X           10         461946         Idler Arm (Incl. #8)         X         X           11         43689         Idler Pivot         X         X           12         424367         Dust Shield         X         X           13         483247         Spring, Idler RH         X         X           14         04001-45         Bolt, Hex Head 3/8-16 x 2"         X         X           15         485634         Belt, Cutter Deck Drive (48V)         X         X           485635         Belt, Cutter Deck Drive (48V)         X         X           16         0401-27         Bolt, Hex Head 7/16-14 x 1"         X         X           17         0403-05         Lockwasher 7/16"         X			, · ·		Х
5         483239         Belt, RH Cutter Deck         X           6         04021-09         Nut, Elastic Stop 3/8-16         X         X           7         04043-04         Flatwasher, 3/8"         X         X           8         48224         Bearing         X         X           9         48181         Pulley, Idler 5" Dia.         X         X           10         461946         Idler Arm (Incl. #8)         X         X           11         43689         Idler Pivot         X         X           12         424367         Dust Shield         X         X           13         483247         Spring, Idler RH         X         X           14         40401-45         Bolt, Hex Head 3/8-16 x 2"         X         X           15         485634         Belt, Cutter Deck Drive (48V)         X         X           16         04001-27         Bolt, Hex Head 7/16-14 x 1"         X         X           17         04030-05         Lockwasher 7/16"         X         X           18         43686         Boss, Spring Anchor         X         X         X           19         462503         Idler Arm (Includes 8)         X	4			X	
483240         Belt, RH Cutter Deck         X           7         04043-04         Riatwasher, 3/8"         X           8         48224         Bearing         X         X           9         48181         Pulley, Idler 5" Dia.         X         X           10         461946         Idler Pivot         X         X           11         43689         Idler Pivot         X         X           12         424367         Dust Shield         X         X           13         483247         Spring, Idler RH         X         X           14         04001-45         Bolt, Hex Head 3/8-16 x 2"         X         X           15         485634         Belt, Cutter Deck Drive (48V)         X         X           485635         Belt, Cutter Deck Drive (52V)         X         X           16         04001-27         Bolt, Hex Head 7/16-14 x 1"         X         X           17         04030-05         Lockwasher 7/16"         X         X           18         43686         Boss, Spring Anchor         X         X           19         462503         Idler Arm (Includes 8)         X         X           20         483210	_				X
6         04021-09         Nut, Elastic Stop 3/8-16         X         X           7         04043-04         Flatwasher, 3/8"         X         X           8         48224         Bearing         X         X           9         48181         Pulley, Idler 5" Dia.         X         X           10         461946         Idler Arm (Incl. #8)         X         X           11         43689         Idler Arm (Incl. #8)         X         X           12         424367         Dust Shield         X         X           13         483247         Spring, Idler RH         X         X           14         04001-45         Bolt, Hex Head 3/8-16 x 2"         X         X           15         485634         Belt, Cutter Deck Drive (62V)         X         X           16         04001-25         Bolt, Hex Head 3/8-16 x 2"         X         X           17         04030-05         Lockwasher 7/16"         X         X         X           18         43686         Boss, Spring Anchor         X         X         X         X           19         462503         Idler Arm (Includes 8)         X         X         X         X	5			X	V
7         04043-04         Flatwasher, 3/8"         X         X           8         48224         Bearing         X         X           9         48181         Pulley, Idler 5" Dia.         X         X           10         461946         Idler Arm (Incl. #8)         X         X           11         43689         Idler Pivot         X         X           12         424367         Dust Shield         X         X           13         483247         Spring, Idler RH         X         X           14         04001-45         Bolt, Hex Head 3/8-16 x 2"         X         X           15         485634         Belt, Cutter Deck Drive (48V)         X         X           485635         Belt, Cutter Deck Drive (52V)         X         X           16         04001-27         Bolt, Hex Head 7/16-14 x 1"         X         X           17         04030-05         Lockwasher 7/16"         X         X         X           18         43686         Boss, Spring Anchor         X         X         X         X           19         462503         Idler Arm (Includes 8)         X         X         X         X           20	_			\ \	
8         48224         Bearing         X         X           9         48181         Pulley, Idler 5" Dia.         X         X           10         461946         Idler Arm (Incl. #8)         X         X           11         43689         Idler Pivot         X         X           12         424367         Dust Shield         X         X           13         483247         Spring, Idler RH         X         X           14         04001-45         Bolt, Hex Head 3/8-16 x 2"         X         X           15         485634         Belt, Cutter Deck Drive (62V)         X         X           16         04001-27         Bolt, Hex Head 7/16-14 x 1"         X         X           17         04030-05         Lockwasher 7/16"         X         X           18         43686         Boss, Spring Anchor         X         X           19         462503         Idler Arm (Includes 8)         X         X           20         483210         Pulley, Double Groove         X         X           21         04001-54         Bolt, Hex Head 3/8-16 x 1-1/2" Gr. 8         X         X           22         483283         Pulley, Double Groove			· ·		
9					
10         461946         Idler Arm (Incl. #8)         X         X           11         43689         Idler Pivot         X         X           12         424367         Dust Shield         X         X           13         483247         Spring, Idler RH         X         X           14         04001-45         Bolt, Hex Head 3/8-16 x 2"         X         X           15         485634         Belt, Cutter Deck Drive (48V)         X         X           16         04001-27         Bolt, Hex Head 7/16-14 x 1"         X         X           17         04030-05         Lockwasher 7/16"         X         X           18         43686         Boss, Spring Anchor         X         X           19         462503         Idler Arm (Includes 8)         X         X           20         483210         Pulley, Idler 5" Dia.         X         X           21         04001-54         Bolt, Hex Head 3/8-16 x 3"         X         X           22         483283         Pulley, Double Groove         X         X           23         04001-136         Bolt, Hex Head 3/8-16 x 1-1/2" Gr. 8         X         X           24         0410-04         Nu		-			
11         43689         Idler Pivot         X         X           12         424367         Dust Shield         X         X           13         483247         Spring, Idler RH         X         X           14         04001-45         Bolt, Hex Head 3/8-16 x 2"         X         X           15         485634         Belt, Cutter Deck Drive (48V)         X           16         04001-27         Bolt, Hex Head 7/16-14 x 1"         X         X           17         04030-05         Lockwasher 7/16"         X         X           18         43686         Boss, Spring Anchor         X         X           19         462503         Idler Arm (Includes 8)         X         X           20         483210         Pulley, Idler 5" Dia.         X         X           21         04001-54         Bolt, Hex Head 3/8-16 x 3"         X         X           22         483283         Pulley, Double Groove         X         X           23         04001-136         Bolt, Hex Head 3/8-16 x 1-1/2" Gr. 8         X         X           24         40419-04         Nut, 3/8-16 Serrated Flange         X         X           25         424376         Bracket, Spri					
12         424367         Dust Shield         X         X           13         483247         Spring, Idler RH         X         X           14         04001-45         Bolt, Hex Head 3/8-16 x 2"         X         X           15         485634         Belt, Cutter Deck Drive (48V)         X         X           485635         Belt, Cutter Deck Drive (52V)         X         X           16         04001-27         Bolt, Hex Head 7/16-14 x 1"         X         X           17         04030-05         Lockwasher 7/16"         X         X           18         43686         Boss, Spring Anchor         X         X           19         462503         Idler Arm (Includes 8)         X         X           20         483210         Pulley, Idler 5" Dia.         X         X           21         04001-54         Bolt, Hex Head 3/8-16 x 3"         X         X           22         483283         Pulley, Double Groove         X         X           23         04001-136         Bolt, Hex Head 3/8-16 x 1-1/2" Gr. 8         X         X           24         04019-04         Nut, 3/8-16 Serrated Flange         X         X           25         424376					
13         483247         Spring, Idler RH         X         X           14         04001-45         Bolt, Hex Head 3/8-16 x 2"         X         X           15         485634         Belt, Cutter Deck Drive (48V)         X           485635         Belt, Cutter Deck Drive (52V)         X           16         04001-27         Bolt, Hex Head 7/16-14 x 1"         X           17         04030-05         Lockwasher 7/16"         X           18         43686         Boss, Spring Anchor         X           19         462503         Idler Arm (Includes 8)         X           20         483210         Pulley, Idler 5" Dia.         X           21         04001-54         Bolt, Hex Head 3/8-16 x 3"         X           22         483283         Pulley, Double Groove         X           23         04001-136         Bolt, Hex Head 3/8-16 x 1-1/2" Gr. 8         X         X           24         04019-04         Nut, 3/8-16 Serrated Flange         X         X           25         424376         Bracket, Spring Anchor RH (48V)         X         X           26         485528         Lever, Deck Level         X         X           27         04107-04         Bolt, Ca					
14         04001-45         Bolt, Hex Head 3/8-16 x 2"         X         X           15         485634         Belt, Cutter Deck Drive (48V)         X           485635         Belt, Cutter Deck Drive (52V)         X           16         04001-27         Bolt, Hex Head 7/16-14 x 1"         X         X           17         04030-05         Lockwasher 7/16"         X         X           18         43686         Boss, Spring Anchor         X         X           19         462503         Idler Arm (Includes 8)         X         X           20         483210         Pulley, Idler 5" Dia.         X         X           21         04001-54         Bolt, Hex Head 3/8-16 x 3"         X         X           22         483283         Pulley, Double Groove         X         X           23         04001-136         Bolt, Hex Head 3/8-16 x 1-1/2" Gr. 8         X         X           24         04019-04         Nut, 3/8-16 Serrated Flange         X         X           25         424376         Bracket, Spring Anchor RH (48V)         X         X           26         485528         Lever, Deck Level         X         X           27         04107-04         Bolt, Hex					
15         485634         Belt, Cutter Deck Drive (48V)         X           16         04001-27         Bolt, Hex Head 7/16-14 x 1"         X           17         04030-05         Lockwasher 7/16"         X         X           18         43686         Boss, Spring Anchor         X         X           19         462503         Idler Arm (Includes 8)         X         X           20         483210         Pulley, Idler 5" Dia.         X         X           21         04001-54         Bolt, Hex Head 3/8-16 x 3"         X         X           22         483283         Pulley, Double Groove         X         X           23         04001-136         Bolt, Hex Head 3/8-16 x 1-1/2" Gr. 8         X         X           24         04019-04         Nut, 3/8-16 Serrated Flange         X         X           25         424376         Bracket, Spring Anchor RH (48V)         X         X           26         485528         Lever, Deck Level         X         X           27         04107-04         Bolt, Hex Head 3/8-16 x 2" Spec         X         X           28         04110-03         U-Nut, 3/8-16         X         X           29         04003-42 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
A85635   Belt, Cutter Deck Drive (52V)   X			I		
16         04001-27         Bolt, Hex Head 7/16-14 x 1"         X         X           17         04030-05         Lockwasher 7/16"         X         X           18         43686         Boss, Spring Anchor         X         X           19         462503         Idler Arm (Includes 8)         X         X           20         483210         Pulley, Idler 5" Dia.         X         X           21         04001-54         Bolt, Hex Head 3/8-16 x 3"         X         X           22         483283         Pulley, Double Groove         X           23         04001-136         Bolt, Hex Head 3/8-16 x 1-1/2" Gr. 8         X         X           24         04019-04         Nut, 3/8-16 Serrated Flange         X         X           25         424376         Bracket, Spring Anchor RH (48V)         X         X           424377         Bracket, Spring Anchor RH (52V)         X         X           26         485528         Lever, Deck Level         X         X           27         04107-04         Bolt, Hex Head 3/8-16 x 2" Spec         X         X           28         04110-03         U-Nut, 3/8-16         X         X         X           29         04003					Х
17         04030-05         Lockwasher 7/16"         X         X           18         43686         Boss, Spring Anchor         X         X           19         462503         Idler Arm (Includes 8)         X         X           20         483210         Pulley, Idler 5" Dia.         X         X           21         04001-54         Bolt, Hex Head 3/8-16 x 3"         X         X           22         483285         Pulley, Double Groove         X         X           23         04001-136         Bolt, Hex Head 3/8-16 x 1-1/2" Gr. 8         X         X           24         04019-04         Nut, 3/8-16 Serrated Flange         X         X           25         424376         Bracket, Spring Anchor RH (48V)         X         X           26         485528         Lever, Deck Level         X         X           27         04107-04         Bolt, Hex Head 3/8-16 x 2" Spec         X         X           28         04110-03         U-Nut, 3/8-16         X         X           29         04003-42         Bolt, Carriage 7/16-14 x 2-1/4"         X         X           30         04021-11         Nut, Elastic Stop 7/16-18         X         X           31 <td>16</td> <td></td> <td></td> <td>Х</td> <td></td>	16			Х	
19       462503       Idler Arm (Includes 8)       X       X         20       483210       Pulley, Idler 5" Dia.       X       X         21       04001-54       Bolt, Hex Head 3/8-16 x 3"       X       X         22       483283       Pulley, Double Groove       X         23       04001-136       Bolt, Hex Head 3/8-16 x 1-1/2" Gr. 8       X       X         24       04019-04       Nut, 3/8-16 Serrated Flange       X       X         25       424376       Bracket, Spring Anchor RH (48V)       X       X         26       485528       Lever, Deck Level       X       X         27       04107-04       Bolt, Hex Head 3/8-16 x 2" Spec       X       X         28       04110-03       U-Nut, 3/8-16       X       X         29       04003-42       Bolt, Carriage 7/16-14 x 2-1/4"       X       X         30       04021-11       Nut, Elastic Stop 7/16-14       X       X         31       04001-154       Bolt, Hex Head 5/16-18 x 4-3/4"       X       X         32       483378       Spring, Discharge Chute       X       X         33       04021-10       Nut, Elastic Stop 5/16-18       X       X         <	17	04030-05	Lockwasher 7/16"	Х	
20         483210         Pulley, Idler 5" Dia.         X         X           21         04001-54         Bolt, Hex Head 3/8-16 x 3"         X         X           22         483283         Pulley, Double Groove         X           23         04001-136         Bolt, Hex Head 3/8-16 x 1-1/2" Gr. 8         X         X           24         04019-04         Nut, 3/8-16 Serrated Flange         X         X           25         424376         Bracket, Spring Anchor RH (48V)         X           26         485528         Lever, Deck Level         X         X           27         04107-04         Bolt, Hex Head 3/8-16 x 2" Spec         X         X           28         04110-03         U-Nut, 3/8-16         X         X           29         04003-42         Bolt, Carriage 7/16-14 x 2-1/4"         X         X           30         04021-11         Nut, Elastic Stop 7/16-14         X         X           31         04001-154         Bolt, Hex Head 5/16-18 x 4-3/4"         X         X           32         483378         Spring, Discharge Chute         X         X           33         04021-10         Nut, Elastic Stop 5/16-18         X         X           34         <	18	43686	Boss, Spring Anchor	Х	Χ
21         04001-54         Bolt, Hex Head 3/8-16 x 3"         X         X           22         483283         Pulley, Double Groove         X           23         04001-136         Bolt, Hex Head 3/8-16 x 1-1/2" Gr. 8         X         X           24         04019-04         Nut, 3/8-16 Serrated Flange         X         X           25         424376         Bracket, Spring Anchor RH (48V)         X         X           26         485528         Lever, Deck Level         X         X           27         04107-04         Bolt, Hex Head 3/8-16 x 2" Spec         X         X           28         04110-03         U-Nut, 3/8-16         X         X           29         04003-42         Bolt, Carriage 7/16-14 x 2-1/4"         X         X           30         04021-11         Nut, Elastic Stop 7/16-14         X         X           31         04001-154         Bolt, Hex Head 5/16-18 x 4-3/4"         X         X           32         483378         Spring, Discharge Chute         X         X           33         04021-10         Nut, Elastic Stop 5/16-18         X         X           34         04001-12         Bolt, Hex Head 5/16-18 x 1-3/4"         X         X <tr< td=""><td>19</td><td>462503</td><td>Idler Arm (Includes 8)</td><td>Х</td><td>Х</td></tr<>	19	462503	Idler Arm (Includes 8)	Х	Х
22       483283       Pulley, Double Groove       X         483285       Pulley, Double Groove       X         23       04001-136       Bolt, Hex Head 3/8-16 x 1-1/2" Gr. 8       X         24       04019-04       Nut, 3/8-16 Serrated Flange       X         25       424376       Bracket, Spring Anchor RH (48V)       X         424377       Bracket, Spring Anchor RH (52V)       X         26       485528       Lever, Deck Level       X         27       04107-04       Bolt, Hex Head 3/8-16 x 2" Spec       X         28       04110-03       U-Nut, 3/8-16       X         29       04003-42       Bolt, Carriage 7/16-14 x 2-1/4"       X         30       04021-11       Nut, Elastic Stop 7/16-14       X       X         31       04001-154       Bolt, Hex Head 5/16-18 x 4-3/4"       X       X         32       483378       Spring, Discharge Chute       X       X         33       04021-10       Nut, Elastic Stop 5/16-18       X       X         34       04001-12       Bolt, Hex Head 5/16-18 x 1-3/4"       X       X         35       461844       Discharge Chute, 48V       X         462473       CA Discharge Chute, 52V <td< td=""><td>20</td><td>483210</td><td>Pulley, Idler 5" Dia.</td><td>Х</td><td></td></td<>	20	483210	Pulley, Idler 5" Dia.	Х	
483285       Pulley, Double Groove       X         23       04001-136       Bolt, Hex Head 3/8-16 x 1-1/2" Gr. 8       X       X         24       04019-04       Nut, 3/8-16 Serrated Flange       X       X         25       424376       Bracket, Spring Anchor RH (48V)       X         424377       Bracket, Spring Anchor RH (52V)       X         26       485528       Lever, Deck Level       X         27       04107-04       Bolt, Hex Head 3/8-16 x 2" Spec       X         28       04110-03       U-Nut, 3/8-16       X         29       04003-42       Bolt, Carriage 7/16-14 x 2-1/4"       X         30       04021-11       Nut, Elastic Stop 7/16-14       X       X         31       04001-154       Bolt, Hex Head 5/16-18 x 4-3/4"       X       X         32       483378       Spring, Discharge Chute       X       X         33       04021-10       Nut, Elastic Stop 5/16-18       X       X         34       04001-12       Bolt, Hex Head 5/16-18 x 1-3/4"       X       X         35       461844       Discharge Chute Assy.       X       X         462473       CA Discharge Chute, 52V       X         36       462480	21	04001-54	Bolt, Hex Head 3/8-16 x 3"	Х	Х
23         04001-136         Bolt, Hex Head 3/8-16 x 1-1/2" Gr. 8         X         X           24         04019-04         Nut, 3/8-16 Serrated Flange         X         X           25         424376         Bracket, Spring Anchor RH (48V)         X           424377         Bracket, Spring Anchor RH (52V)         X           26         485528         Lever, Deck Level         X           27         04107-04         Bolt, Hex Head 3/8-16 x 2" Spec         X           28         04110-03         U-Nut, 3/8-16         X           29         04003-42         Bolt, Carriage 7/16-14 x 2-1/4"         X           30         04021-11         Nut, Elastic Stop 7/16-14         X         X           31         04001-154         Bolt, Hex Head 5/16-18 x 4-3/4"         X         X           32         483378         Spring, Discharge Chute         X         X           33         04021-10         Nut, Elastic Stop 5/16-18         X         X           34         04001-12         Bolt, Hex Head 5/16-18 x 1-3/4"         X         X           35         461844         Discharge Chute Assy.         X         X           462473         CA Discharge Chute, 52V         X	22	483283		Х	
24         04019-04         Nut, 3/8-16 Serrated Flange         X         X           25         424376         Bracket, Spring Anchor RH (48V)         X           424377         Bracket, Spring Anchor RH (52V)         X           26         485528         Lever, Deck Level         X         X           27         04107-04         Bolt, Hex Head 3/8-16 x 2" Spec         X         X           28         04110-03         U-Nut, 3/8-16         X         X           29         04003-42         Bolt, Carriage 7/16-14 x 2-1/4"         X         X           30         04021-11         Nut, Elastic Stop 7/16-14         X         X           31         04001-154         Bolt, Hex Head 5/16-18 x 4-3/4"         X         X           32         483378         Spring, Discharge Chute         X         X           33         04021-10         Nut, Elastic Stop 5/16-18         X         X           34         04001-12         Bolt, Hex Head 5/16-18 x 1-3/4"         X         X           35         461844         Discharge Chute Assy.         X         X           462473         CA Discharge Chute, 52V         X           36         462480         Belt Cover Weldment RH (incl. #37					
25       424376       Bracket, Spring Anchor RH (48V)       X         424377       Bracket, Spring Anchor RH (52V)       X         26       485528       Lever, Deck Level       X         27       04107-04       Bolt, Hex Head 3/8-16 x 2" Spec       X         28       04110-03       U-Nut, 3/8-16       X         29       04003-42       Bolt, Carriage 7/16-14 x 2-1/4"       X         30       04021-11       Nut, Elastic Stop 7/16-14       X         31       04001-154       Bolt, Hex Head 5/16-18 x 4-3/4"       X         32       483378       Spring, Discharge Chute       X         33       04021-10       Nut, Elastic Stop 5/16-18       X         34       04001-12       Bolt, Hex Head 5/16-18 x 1-3/4"       X         35       461844       Discharge Chute Assy.       X         462473       CA Discharge Chute, 48V       X         461845       Discharge Chute, 52V       X         36       462480       Belt Cover Weldment RH (incl. #37)       X         462822       Belt Cover Weldment RH (incl. #37)       X         462824       Belt Cover Weldment RH (incl. #37)       X         462824       Belt Cover Weldment RH (incl. #37) <td< td=""><td></td><td></td><td>l *</td><td></td><td></td></td<>			l *		
424377 Bracket, Spring Anchor RH (52V) 26 485528 Lever, Deck Level X X 27 04107-04 Bolt, Hex Head 3/8-16 x 2" Spec X X 28 04110-03 U-Nut, 3/8-16 X X 29 04003-42 Bolt, Carriage 7/16-14 x 2-1/4" X X 30 04021-11 Nut, Elastic Stop 7/16-14 X X 31 04001-154 Bolt, Hex Head 5/16-18 x 4-3/4" X X 32 483378 Spring, Discharge Chute X X 33 04021-10 Nut, Elastic Stop 5/16-18 X X 34 04001-12 Bolt, Hex Head 5/16-18 x 1-3/4" X X 35 461844 Discharge Chute Assy. 462473 CA Discharge Chute, 52V X 461845 Discharge Chute, 52V X 462480 Belt Cover Weldment RH (incl. #37) X 462822 Belt Cover Weldment RH (incl. #37) X 462824 Belt Cover Weldment RH (incl. #37) X 462824 Belt Cover Weldment RH (incl. #37) X 37 484368 Cap, Spindle X X 38 481625-01 Wing Nut, 3/8-16 X X 39 04003-26 Bolt, Carriage 3/8-16 x 4" X X 40 04017-27 Bolt, Serrated Flange 3/8-16 x 1" X X					Х
26         485528         Lever, Deck Level         X         X           27         04107-04         Bolt, Hex Head 3/8-16 x 2" Spec         X         X           28         04110-03         U-Nut, 3/8-16         X         X           29         04003-42         Bolt, Carriage 7/16-14 x 2-1/4"         X         X           30         04021-11         Nut, Elastic Stop 7/16-14         X         X           31         04001-154         Bolt, Hex Head 5/16-18 x 4-3/4"         X         X           32         483378         Spring, Discharge Chute         X         X           33         04021-10         Nut, Elastic Stop 5/16-18         X         X           34         04001-12         Bolt, Hex Head 5/16-18 x 1-3/4"         X         X           35         461844         Discharge Chute Assy.         X         X           461845         Discharge Chute Assy.         X         X           462475         CA Discharge Chute, 52V         X           36         462480         Belt Cover Weldment RH (incl. #37)         X           462822         Belt Cover Weldment RH (incl. #37)         X           462824         Belt Cover Weldment RH (incl. #37)         X <t< td=""><td>25</td><td></td><td></td><td>X</td><td></td></t<>	25			X	
27         04107-04         Bolt, Hex Head 3/8-16 x 2" Spec         X         X           28         04110-03         U-Nut, 3/8-16         X         X           29         04003-42         Bolt, Carriage 7/16-14 x 2-1/4"         X         X           30         04021-11         Nut, Elastic Stop 7/16-14         X         X           31         04001-154         Bolt, Hex Head 5/16-18 x 4-3/4"         X         X           32         483378         Spring, Discharge Chute         X         X           33         04021-10         Nut, Elastic Stop 5/16-18         X         X           34         04001-12         Bolt, Hex Head 5/16-18 x 1-3/4"         X         X           35         461844         Discharge Chute Assy.         X         X           462473         CA Discharge Chute, 48V         X         X           462475         CA Discharge Chute, 52V         X           36         462480         Belt Cover Weldment RH (incl. #37)         X           462822         Belt Cover Weldment RH (incl. #37)         X           462824         Belt Cover Weldment LH (incl. #37)         X           36         481625-01         Wing Nut, 3/8-16         X         X	00			\ \	
28         04110-03         U-Nut, 3/8-16         X         X           29         04003-42         Bolt, Carriage 7/16-14 x 2-1/4"         X         X           30         04021-11         Nut, Elastic Stop 7/16-14         X         X           31         04001-154         Bolt, Hex Head 5/16-18 x 4-3/4"         X         X           32         483378         Spring, Discharge Chute         X         X           33         04021-10         Nut, Elastic Stop 5/16-18         X         X           34         04001-12         Bolt, Hex Head 5/16-18 x 1-3/4"         X         X           35         461844         Discharge Chute Assy.         X         X           461845         Discharge Chute, 48V         X         X           462473         CA Discharge Chute, 52V         X         X           36         462480         Belt Cover Weldment RH (incl. #37)         X           462822         Belt Cover Weldment RH (incl. #37)         X           462824         Belt Cover Weldment RH (incl. #37)         X           462824         Belt Cover Weldment LH (incl. #37)         X           37         484368         Cap, Spindle         X         X           38					
29         04003-42         Bolt, Carriage 7/16-14 x 2-1/4"         X         X           30         04021-11         Nut, Elastic Stop 7/16-14         X         X           31         04001-154         Bolt, Hex Head 5/16-18 x 4-3/4"         X         X           32         483378         Spring, Discharge Chute         X         X           33         04021-10         Nut, Elastic Stop 5/16-18         X         X           34         04001-12         Bolt, Hex Head 5/16-18 x 1-3/4"         X         X           35         461844         Discharge Chute Assy.         X         X           462473         CA Discharge Chute, 48V         X         X           462475         CA Discharge Chute, 52V         X           36         462480         Belt Cover Weldment RH (incl. #37)         X           462822         Belt Cover Weldment LH (incl. #37)         X           462825         Belt Cover Weldment RH (incl. #37)         X           462824         Belt Cover Weldment LH (incl. #37)         X           37         484368         Cap, Spindle         X         X           38         481625-01         Wing Nut, 3/8-16         X         X           39         04					
30         04021-11         Nut, Elastic Stop 7/16-14         X         X           31         04001-154         Bolt, Hex Head 5/16-18 x 4-3/4"         X         X           32         483378         Spring, Discharge Chute         X         X           33         04021-10         Nut, Elastic Stop 5/16-18         X         X           34         04001-12         Bolt, Hex Head 5/16-18 x 1-3/4"         X         X           35         461844         Discharge Chute Assy.         X         X           461845         CA Discharge Chute, 48V         X         X           462475         CA Discharge Chute, 52V         X           36         462480         Belt Cover Weldment RH (incl. #37)         X           462822         Belt Cover Weldment LH (incl. #37)         X           462825         Belt Cover Weldment RH (incl. #37)         X           462824         Belt Cover Weldment LH (incl. #37)         X           462824         Belt Cover Weldment LH (incl. #37)         X           37         484368         Cap, Spindle         X         X           38         481625-01         Wing Nut, 3/8-16         X         X           39         04003-26         Bolt, Carriage			I		
31         04001-154         Bolt, Hex Head 5/16-18 x 4-3/4"         X         X           32         483378         Spring, Discharge Chute         X         X           33         04021-10         Nut, Elastic Stop 5/16-18         X         X           34         04001-12         Bolt, Hex Head 5/16-18 x 1-3/4"         X         X           35         461844         Discharge Chute Assy.         X         X           461845         Discharge Chute, 48V         X         X           462475         CA Discharge Chute, 52V         X           36         462480         Belt Cover Weldment RH (incl. #37)         X           462822         Belt Cover Weldment LH (incl. #37)         X           462825         Belt Cover Weldment RH (incl. #37)         X           462824         Belt Cover Weldment LH (incl. #37)         X           484368         Cap, Spindle         X         X           38         481625-01         Wing Nut, 3/8-16         X         X           39         04003-26         Bolt, Carriage 3/8-16 x 4"         X         X           40         04017-27         Bolt, Serrated Flange 3/8-16 x 1"         X         X					
32       483378       Spring, Discharge Chute       X       X         33       04021-10       Nut, Elastic Stop 5/16-18       X       X         34       04001-12       Bolt, Hex Head 5/16-18 x 1-3/4"       X       X         35       461844       Discharge Chute Assy.       X         461845       Discharge Chute, 48V       X         462475       CA Discharge Chute, 52V       X         36       462480       Belt Cover Weldment RH (incl. #37)       X         462822       Belt Cover Weldment LH (incl. #37)       X         36A       462825       Belt Cover Weldment RH (incl. #37)       X         462824       Belt Cover Weldment LH (incl. #37)       X         37       484368       Cap, Spindle       X       X         38       481625-01       Wing Nut, 3/8-16       X       X         39       04003-26       Bolt, Carriage 3/8-16 x 4"       X       X         40       04017-27       Bolt, Serrated Flange 3/8-16 x 1"       X       X					
33         04021-10         Nut, Elastic Stop 5/16-18         X         X           34         04001-12         Bolt, Hex Head 5/16-18 x 1-3/4"         X         X           35         461844         Discharge Chute Assy.         X           462473         CA Discharge Chute, 48V         X           461845         Discharge Chute Assy.         X           462475         CA Discharge Chute, 52V         X           36         462480         Belt Cover Weldment RH (incl. #37)         X           462822         Belt Cover Weldment LH (incl. #37)         X           36A         462825         Belt Cover Weldment RH (incl. #37)         X           37         484368         Cap, Spindle         X         X           38         481625-01         Wing Nut, 3/8-16         X         X           39         04003-26         Bolt, Carriage 3/8-16 x 4"         X         X           40         04017-27         Bolt, Serrated Flange 3/8-16 x 1"         X         X					
34       04001-12       Bolt, Hex Head 5/16-18 x 1-3/4"       X       X         35       461844       Discharge Chute Assy.       X         *462473       CA Discharge Chute, 48V       X         461845       Discharge Chute Assy.       X         462475       CA Discharge Chute, 52V       X         36       462480       Belt Cover Weldment RH (incl. #37)       X         462822       Belt Cover Weldment LH (incl. #37)       X         36A       462825       Belt Cover Weldment RH (incl. #37)       X         462824       Belt Cover Weldment LH (incl. #37)       X         37       484368       Cap, Spindle       X       X         38       481625-01       Wing Nut, 3/8-16       X       X         39       04003-26       Bolt, Carriage 3/8-16 x 4"       X       X         40       04017-27       Bolt, Serrated Flange 3/8-16 x 1"       X       X					
35       461844       Discharge Chute Assy.       X         *462473       CA Discharge Chute, 48V       X         461845       Discharge Chute Assy.       X         462475       CA Discharge Chute, 52V       X         36       462480       Belt Cover Weldment RH (incl. #37)       X         462822       Belt Cover Weldment LH (incl. #37)       X         36A       462825       Belt Cover Weldment RH (incl. #37)       X         462824       Belt Cover Weldment LH (incl. #37)       X         37       484368       Cap, Spindle       X       X         38       481625-01       Wing Nut, 3/8-16       X       X         39       04003-26       Bolt, Carriage 3/8-16 x 4"       X       X         40       04017-27       Bolt, Serrated Flange 3/8-16 x 1"       X       X					
*462473       CA Discharge Chute, 48V       X         461845       Discharge Chute Assy.       X         462475       CA Discharge Chute, 52V       X         36       462480       Belt Cover Weldment RH (incl. #37)       X         462822       Belt Cover Weldment LH (incl. #37)       X         36A       462825       Belt Cover Weldment RH (incl. #37)       X         462824       Belt Cover Weldment LH (incl. #37)       X         37       484368       Cap, Spindle       X       X         38       481625-01       Wing Nut, 3/8-16       X       X         39       04003-26       Bolt, Carriage 3/8-16 x 4"       X       X         40       04017-27       Bolt, Serrated Flange 3/8-16 x 1"       X       X					
461845       Discharge Chute Assy.       X         462475       CA Discharge Chute, 52V       X         36       462480       Belt Cover Weldment RH (incl. #37)       X         462822       Belt Cover Weldment LH (incl. #37)       X         36A       462825       Belt Cover Weldment RH (incl. #37)       X         462824       Belt Cover Weldment LH (incl. #37)       X         37       484368       Cap, Spindle       X       X         38       481625-01       Wing Nut, 3/8-16       X       X         39       04003-26       Bolt, Carriage 3/8-16 x 4"       X       X         40       04017-27       Bolt, Serrated Flange 3/8-16 x 1"       X       X					
462475       CA Discharge Chute, 52V       X         36       462480       Belt Cover Weldment RH (incl. #37)       X         462822       Belt Cover Weldment LH (incl. #37)       X         36A       462825       Belt Cover Weldment RH (incl. #37)       X         462824       Belt Cover Weldment LH (incl. #37)       X         37       484368       Cap, Spindle       X       X         38       481625-01       Wing Nut, 3/8-16       X       X         39       04003-26       Bolt, Carriage 3/8-16 x 4"       X       X         40       04017-27       Bolt, Serrated Flange 3/8-16 x 1"       X       X		461845			Х
36       462480       Belt Cover Weldment RH (incl. #37)       X         462822       Belt Cover Weldment LH (incl. #37)       X         36A       462825       Belt Cover Weldment RH (incl. #37)       X         462824       Belt Cover Weldment LH (incl. #37)       X         37       484368       Cap, Spindle       X       X         38       481625-01       Wing Nut, 3/8-16       X       X         39       04003-26       Bolt, Carriage 3/8-16 x 4"       X       X         40       04017-27       Bolt, Serrated Flange 3/8-16 x 1"       X       X		462475			
36A       462825       Belt Cover Weldment RH (incl. #37)       X         462824       Belt Cover Weldment LH (incl. #37)       X         37       484368       Cap, Spindle       X         38       481625-01       Wing Nut, 3/8-16       X       X         39       04003-26       Bolt, Carriage 3/8-16 x 4"       X       X         40       04017-27       Bolt, Serrated Flange 3/8-16 x 1"       X       X	36	462480	Belt Cover Weldment RH (incl. #37)		
462824       Belt Cover Weldment LH (incl. #37)       X         37       484368       Cap, Spindle       X         38       481625-01       Wing Nut, 3/8-16       X       X         39       04003-26       Bolt, Carriage 3/8-16 x 4"       X       X         40       04017-27       Bolt, Serrated Flange 3/8-16 x 1"       X       X		462822	` '	Х	
37       484368       Cap, Spindle       X       X         38       481625-01       Wing Nut, 3/8-16       X       X         39       04003-26       Bolt, Carriage 3/8-16 x 4"       X       X         40       04017-27       Bolt, Serrated Flange 3/8-16 x 1"       X       X	36A				
38       481625-01       Wing Nut, 3/8-16       X       X         39       04003-26       Bolt, Carriage 3/8-16 x 4"       X       X         40       04017-27       Bolt, Serrated Flange 3/8-16 x 1"       X       X					
39 04003-26 Bolt, Carriage 3/8-16 x 4" X X A					
40 04017-27 Bolt, Serrated Flange 3/8-16 x 1" X X					
, ,					
41 422478 Bracket, Anti-Scalp Wheel X X X		,			
	41	422478	Bracket, Anti-Scaip Wheel	X	Х

Ref. No.	Part No.	Description	48	52
42	04021-05	Locknut, 3/8-16 Center Lock	Х	Х
43	481632	Anti-Scalp Wheel	Х	Χ
44	48100-15	Bushing, .376 ID Oilite	Х	Х
45	04001-09	Bolt, Hex Head 5/16-18 x 1"	Х	Χ
46	04040-15	Flatwasher, 5/16"	Х	Х
47	483246	Spring, Idler LH	X	X
48	424677	Turbo Baffle, Bolt On	X	Х
	*425619	Turbo Baffle, 48V	Х	V
49	*424211 04003-23	Turbo Baffle, 52V Bolt, Carriage 3/8-16 x 1"	х	X
50	424839	Baffle Custom-Cut, 48V (7-Position)	x	^
30	424840	Baffle Custom-Cut, 46V (7-Position)	_ ^	Х
51	04003-12	Bolt, Carriage 5/16-18 x 3/4"	Х	X
52	04040-04	Flatwasher, 5/16"	X	x
53	04021-04	Nut, Center Lock 5/16-18	X	X
54	483176	Wear Pad	Х	Х
55	461663	Spindle Assembly	Х	Χ
56	43589	Shaft, Spindle	Х	Х
57	481024	Seal Upper	Х	Х
58	481022	Bearing Assembly	Х	Χ
59	48114-04	Grease Fitting	Х	Χ
60	48677	Valve, Grease Relief	Х	Х
61	43644	Housing, Spindle	Х	Х
62	43312	Spacer, Outside	X	X
63	43296	Spacer, Inside	X	X
64	481025	Seal, Lower	X	X
65 66	43297	Bushing, Bottom Nut, Special 1-1/16 - 18	X	X
67	481035 04021-22	Nut, Elastic Stop 5/16-18 Grade 8	X	X
68	04021-22	Key, 1/4 x 1/4 x 2"	x	x
69	04001-176	Bolt, Hex Head 5/16-18 x 1-3/4" Gr. 8	x	x
70	43590	Spacer, Spindle	X	X
71	482877	Cutter Blade 16.5"	Х	
	482878	Cutter Blade 18"		Х
72	04043-06	Flatwasher, 5/8" Hardened	Х	Χ
73	04001-41	Bolt, Hex Head 5/8-11 x 9-1/2"	Х	Χ
74	462867	Cutter Deck Velocity Plus	Х	
_	462868	Cutter Deck Velocity Plus		Х
75	451240	Push Arm Shaft	X	X
76 77	04001-09	Bolt, Hex Head 5/16-18 x 1"	X	X
77	461516	Push Arm Assembly LH & RH	X	X
78 79	43063 04001-79	Spacer Bolt, Hex Head 5/8-11 x 4-1/2"	X	X
80	04001-79	Nut, Elastic Stop 5/8-11	X	X
81	04021-13	Locknut, 5/16-18 Flange Hex Head	x	X
82	45944	Shaft, Roller	x	X
83	48038	Roller, Rear	X	X
84	04001-46	Bolt, Hex Head 3/8-16 x 2-1/4"	X	X
85	04001-62	Bolt, Hex Head 3/8-16 x 3-1/4"	Х	Х
86	04030-03	Lockwasher 5/16"	Х	Х

<sup>\* =</sup> California Models Only (not shown)



# **61V CUTTER DECK**





## **61V CUTTER DECK**

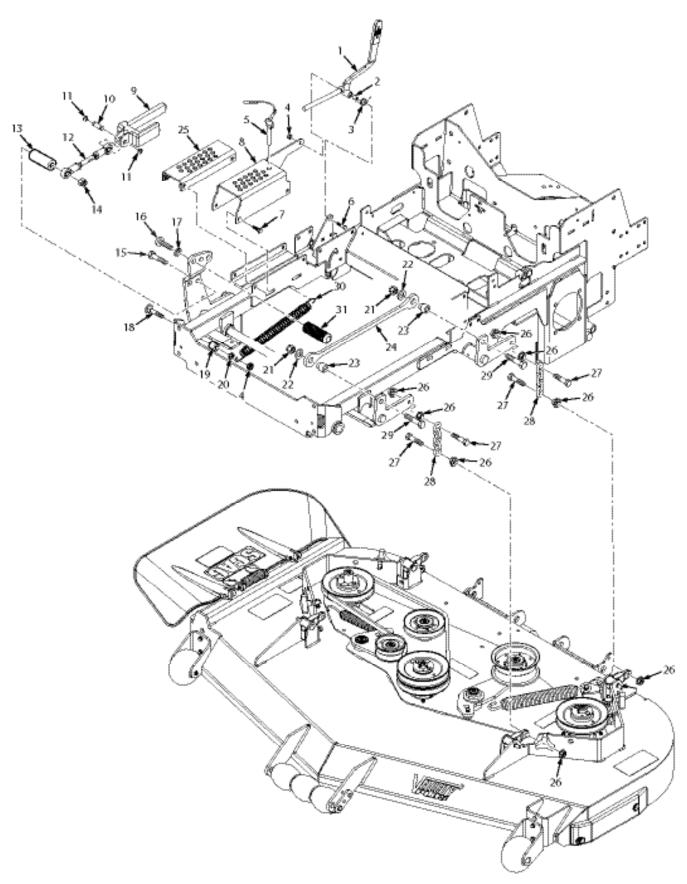
Ref. No.	Part No.	Description
1	04020-09	Nut. 5/8-11 UNC
2	04001-172	Bolt, Hex Head 1/4-20 x 1" Grade 8
3	48926	Hub, Tapered 1-1/8" Bore
4	483286	Pulley, Tapered Bore 6.33" Dia.
5	483157	Belt, Deck Drive RH
6	04021-09	Nut, Elastic Stop 3/8-16
7	04043-04	Flatwasher, 3/8"938 x .391 x .105"
8	48224	Bearing
9	483415	Idler Pulley, 3-1/2" Dia.
10	462888	Idler Arm (Incl. #8)
11	04001-31	Bolt, Hex Head 3/8-16 x 2-1/2"
12	43689	Pivot, Idler Arm
13	04001-27	Bolt, Hex Head 7/16-14 x 1"
14	04030-05	Lockwasher 7/16"
15	43686	Boss, Spring Anchor
16	485528	Lever, Deck Level
17 18	04107-04	Bolt, Hex Head 3/8-16 x 2" Spec
19	04110-03 04003-42	U-Nut, 3/8-16 Bolt, Carriage 7/16-14 x 2-1/4"
20	04003-42	Nut, Elastic Stop 7/16-14
21	483703	Spring, RH Deck Drive
22	04001-136	Bolt, Hex Head 3/8-16 x 1-1/2" Gr.8
23	04019-04	Nut, Serrated Flange 3/8-16
24	481625-01	Wing Nut, 3/8-16
25	462818	Belt Cover Weldment (incl. #26)
26	484368	Cap, Spindle
27	424367	Dust Shield
28	48181	Idler Pulley, 5" Dia.
29	485636	Belt, Deck Drive 61V
30	483210	Idler Pulley, 5" Dia.
31	483287	Pulley, Double Groove 6.33" Dia.
32	462269	Idler Arm (Incl. #8)
33	04001-54	Bolt, Hex Head 3/8-16 x 3"
34	483246	Spring, LH Deck Drive
35	48038	Roller, Rear
36	45944	Shaft, Roller
37	04117-01	Locknut, 5/16-18 Flange Hex Head
38	04001-09	Bolt, Hex Head 5/16-18 x 1"
39	04001-79	Bolt, Hex Head 5/8-11 x 4-1/2"
40 41	04021-13 461516	Nut, Elastic Stop 5/8-11 Push Arm Assembly LH & RH
41	461846	Discharge Chute Assy.
74	*462477	CA Discharge Chute Assy.
43	04001-154	Bolt, Hex Head 5/16-18 x 4-3/4"
44	483378	Spring, Discharge Chute
		-rg, 2.00g0 011010

Ref. No.	Part No.	Description
45	04021-10	Nut, Elastic Stop 5/16-18
46	04001-12	Hex Head 5/16-18 x 1-3/4"
47	04017-27	Bolt, Serrated Flange 3/8-16 x 1"
48	424478	Bracket, Anti-Scalp Wheel
49	04021-05	Locknut, 3/8-16 Center Lock
50	48100-15	Bushing, .376 ID Oilite
51	481632	Anti-Scalp Wheel
52	04003-26	Bolt, Carriage 3/8-16 x 4"
53	04040-15	Flatwasher 5/16"
54	424209	Turbo Baffle, Bolt On
	*425625	Turbo Baffle 61V
55	482295	Wheel, Anti Scalp
56	424841	Baffle Custom-Cut, 61V (7-Position)
57	04003-23	Bolt, Carriage 3/8-16 x 1"
58 59	462869 04003-12	Cutter Deck Velocity Plus Bolt. Carr. 5/16-18 x 3/4"
60	04003-12	Flatwasher, 5/16344 x .688 x .065"
61	04040-04	Nut, Center Lock 5/16"
62	483176	Wear Pad
63	04001-176	Bolt, Hex Head 5/16-18 x 1-3/4" Grade 8
64	43590	Spacer, Spindle
65	482879	Cutter Blade 21"
66	04001-41	Bolt, Hex Head 5/8-11 x 9-1/2"
67	04043-06	Flatwasher, 5/8" Hardened
68	04063-08	Key, 1/4 x 1/4 x 2"
69	461663	Spindle Assembly
70	43589	Shaft, Spindle
71	481024	Seal Upper
72	481022	Bearing Assembly
73	48114-04	Grease Fitting
74	48677	Valve, Grease Relief
75	43644	Housing, Spindle
76 77	43312	Spacer, Outside
77 78	43296	Spacer, Inside Seal, Lower
78 79	481025 43297	Bushing, Bottom
80	481035	Nut, Special 1-1/16 - 18
81	04001-46	Bolt, Hex Head 3/8-16 x 2-1/4"
82	04001-62	Bolt, Hex Head 3/8-16 x 3-1/4"
83	04030-03	Lockwasher 5/16"
84	04021-22	Nut, Elastic Stop 5/16-18 Grade 8
85	04001-19	Bolt, Hex Head 3/8-16 x 1"
86	427023	Bracket, Spring Anchor
87	451240	Push Arm Shaft

<sup>\* =</sup> California Models Only (not shown)



# **CUTTER DECK CONTROLS**



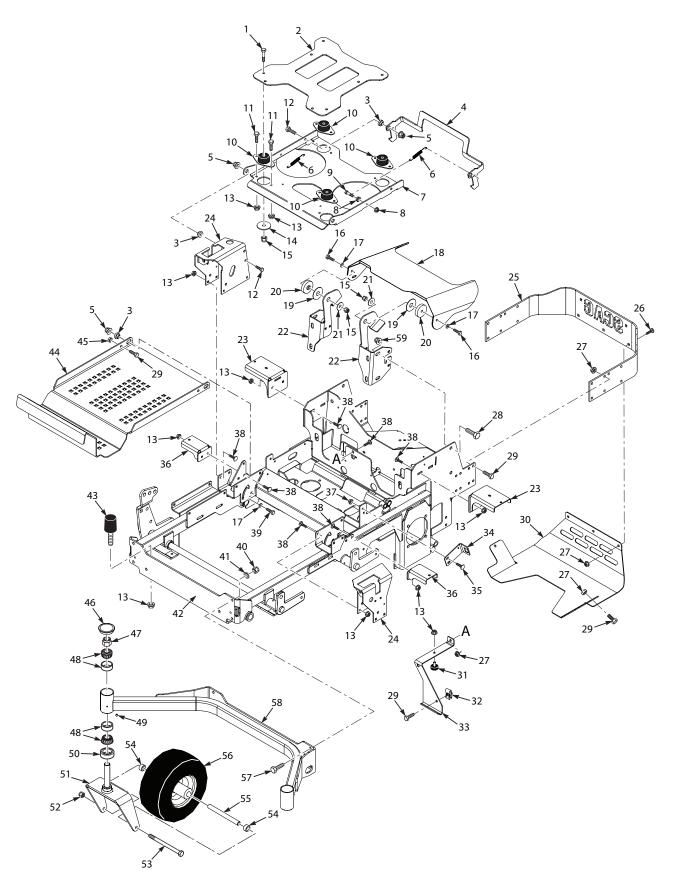


## **CUTTER DECK CONTROLS**

Ref. No.	Part No.	Description
1	462839	Deck Latch Assembly (Includes Grip)
	485592	Grip, Deck Latch
2	43874	Spacer, Deck Latch
3	485704	Spring, Torsion - Lever Return
4	04021-05	Nut, Center Lock 3/8-16
5	483345	Pin Assembly, w/Lanyard
6	04001-31	Bolt, Hex Head 3/8-16 x 2-1/2"
7	04006-02	Bolt, Hex Wshr Head 5/16-18 x 1-1/4"
8	425737	Adjustment Bracket, Cutting Height
9	485570	Slide, Height Adjust
10	43487	Pin, Deck Lift
11	04050-18	Retaining Ring, 1/2" Ext.
12	482534	Linkage Assembly, Deck Lift
13	43873	Spacer, Deck Lift Pedal
14	04021-07	Nut, Elastic Stop 1/2-13
15	04001-87	Bolt, Hex Head 1/2-13 x 4"
16	04108-04	Capscrew, 5/8-11 x 1-1/2"
17	04030-07	Lockwasher, 5/8" Spring
18	04003-21	Bolt, Carriage 3/8-16 x 2-1/2"
19	43572	Spacer
20	040419-04	Nut, Serrated Flange 3/8-16
21	04021-07	Nut, Elastic Stop 1/2-13
22	04040-13	Flatwasher, 1/2562 x 1.375 x .109
23	431018	Pivot, Deck Link
24	427012	Link, Decklift
25	452408	Adjustment Bracket, Lower Cut Height
26	04019-04	Nut, Serrated Flange 3/8-16
27	04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"
28	48540	Chain
29	04001-153	Bolt, Hex Head 1/2-13 x 2-1/4"
30	483177	Spring, Decklift
31	424504	Foot Pedal, Height Adjustment



## **SHEET METAL COMPONENTS**





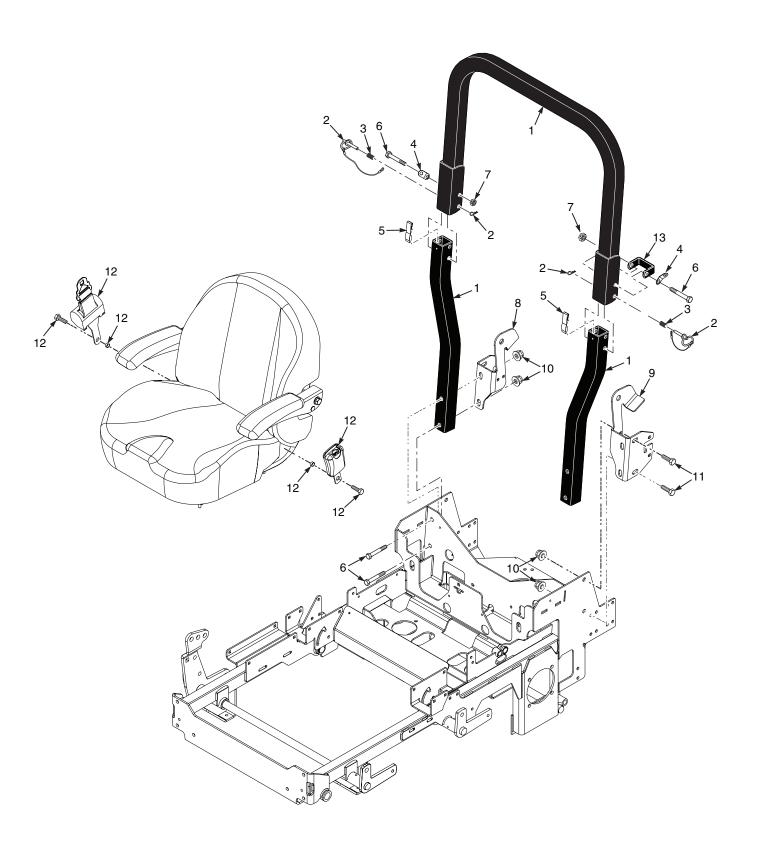
## **SHEET METAL COMPONENTS**

Ref. No.	Part No.	Description
1	04001-46	Bolt, Hex Head 3/8-16 x 2-1/4"
2	462863	Seat Plate w/decal
3	43086	Bushing
4	426949	Seat Latch
5	04117-02	Nut, Elastic Flange 3/8-16
6	484498	Spring, Seat Latch
7	462864	Plate, Seat Mounting w/decals
8	04019-02	Nut, Serrated Flange 1/4-20
9	04001-59	Bolt, Hex Head 1/4-20 x 1-1/4"
10	484148	Isolator, Seat
11	04001-08	Bolt, Hex Head 5/16-18 x 3/4"
12	04001-32	Bolt, Hex Head 3/8-16 x 1-1/4"
13	04019-03	Nut, Hex Serr. Flng 5/16-18
14	04041-38	Flatwasher, 3/8406 x 2.25 x .1875
15	04021-09	Nut, Elastic Stop 3/8-16
16	04001-21	Bolt, Hex Head 3/8-16 x 1-3/4"
17	04041-07	Flatwasher, 3/8391 x .938 x .105
18	462838	Hood Assembly
19	483471	Disk, Anti-Friction
20	43740	Spacer, Hood
21	04041-11	Flatwasher, 3/8406 x 1.50 x 7 Ga.
22	427029	ROPS Mount, RH
	427178	ROPS Mount, RH, 29CV-EFI
	427028	ROPS Mount, LH
	427177	ROPS Mount, LH, 29CV-EFI
23	427063	Mounting Bracket, Fuel Tank Rear
24	462922	Control Plate w/decal, (Includes RH & LH)
25	425725	Bumper, Rear
26	04003-23	Bolt, Carriage 3/8-16 x 1"
27	04019-04	Nut, 3/8-16 Serr. Flange
28	04001-70	Bolt, Hex Head 1/2-13 x 1-1/4"
29	04001-19	Bolt, Hex Head 3/8-16 x 1"
30	427032	Plate, Skid
31	481284	Bumper, Rubber

Ref. No.	Part No.	Description
32	04110-03	U-Nut, 3/8-16
33	426978	Battery Hold Down
34	425905	Mounting Bracket, Neutral Switch
35	04003-02	Bolt, Carriage 1/4-20 x 3/4"
36	425862	Mounting Bracket, Fuel Tank Front
37	04117-03	Nut, Flanged Elastic Stop 1/4-20
38	04003-12	Bolt, Carriage 5/16-18 x 3/4"
39	04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"
40	04021-11	Nut, Elastic Stop 7/16-14
41	04030-05	Lockwasher, 7/16" Spring
42	462920	Main Frame Assembly w/decals (48"/52")
	462921	Main Frame Assembly w/decals (61")
43	485663	Rubber Isolator
44	426931	Footplate
45	04020-12	Nut, Jam 3/8-16
46	484195	Cap, Grease
47	04021-20	Nut, Elastic Stop 1.0"-14
48	481657	Bearing Set
49	482028-01	Plug, 1/4-28
50	481025	Seal, 2.0" OD x 1.625" ID
51	451471	Yoke, Front Caster Wheel (48"/52")
	451658	Yoke, Front Caster Wheel (61")
52	04021-07	Nut, Hex Elastic Stop 1/2-13
53	04001-134	Bolt, Hex Head 1/2-13 x 7-1/2" (48"/52")
l	04001-167	Bolt, Hex Head 1/2-13 x 9-1/2" (61")
54	43584	Spacer, Caster Wheel
55	43581	Sleeve (48"/52")
	43583	Sleeve (61")
56	482503	Caster Wheel Assembly (48"/52")
	482504	Caster Wheel Assembly (61")
57	04001-28	Bolt, Hex Head 7/16-14 x 1-1/4"
58	452284	Caster Support Weldment (48"/52")
	452727	Caster Support Weldment (61")
59	04117-04	Nut, 1/2-13 Flange Elastic Stop



## STCII FOLDABLE ROLL-OVER PROTECTION SYSTEM



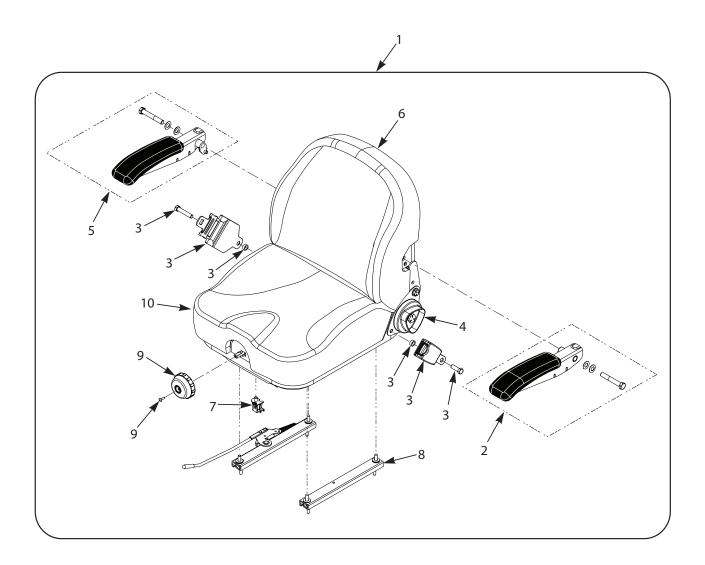


## STCII FOLDABLE ROLL-OVER PROTECTION SYSTEM

Ref. No.	Part No.	Description
1	462414	ROPS Assembly, Foldable
	462935	ROPS, Assembly, Foldable
2	484168	Pin Assembly (incl. #3)
3	484170	Spring, ROPS
4	484169	Clip, ROPS
5	484167	Spring, ROPS Anti-Rattle
6	04001-90	Bolt, Hex Head 1/2-13 x 3-1/4"
7	04021-19	Nut, Center Lock 1/2-13
8	427029	ROPS Mount, RH
	427178	ROPS Mount, RH, 29CV-EFI
9	427028	ROPS Mount, LH
	427177	ROPS Mount, LH, 29CV-EFI
10	04117-04	Nut, 1/2-13 Flange Elastic Stop
11	04001-70	Bolt, Hex Head 1/2-13 x 1-1/4"
12	484717	Seat Belt Kit (Suspension Seat)
	484527	Seat Belt Kit (Soft Ride Seat)
13	427355	Stop, ROPS, 29CV EFI



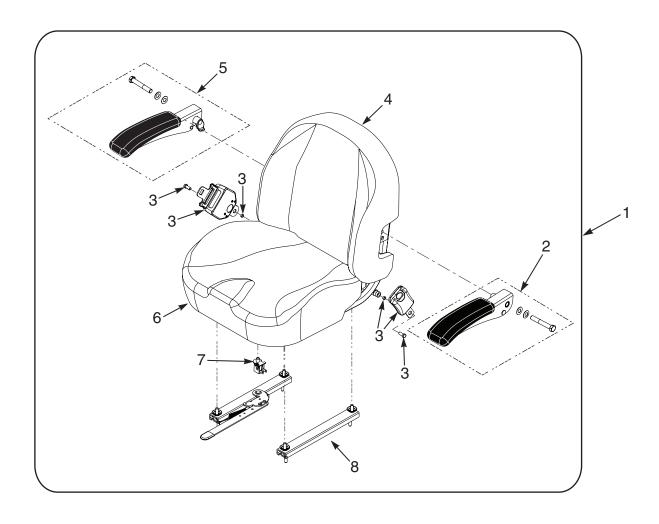
# **STCII SUSPENSION SEAT**



Ref. No.	Part No.	Description
1	485591	Suspension Seat Assembly w/seat belt
2	484709	Armrest Kit, LH
3	484717	Seat Belt Kit
4	485652	Recliner Knob Kit
5	484710	Armrest Kit, RH
6	484712	Back Cover
7	481638	Seat Switch
8	485594	Track Kit
9	484714	Suspension Knob Kit
10	484708	Cover, Seat Cushion



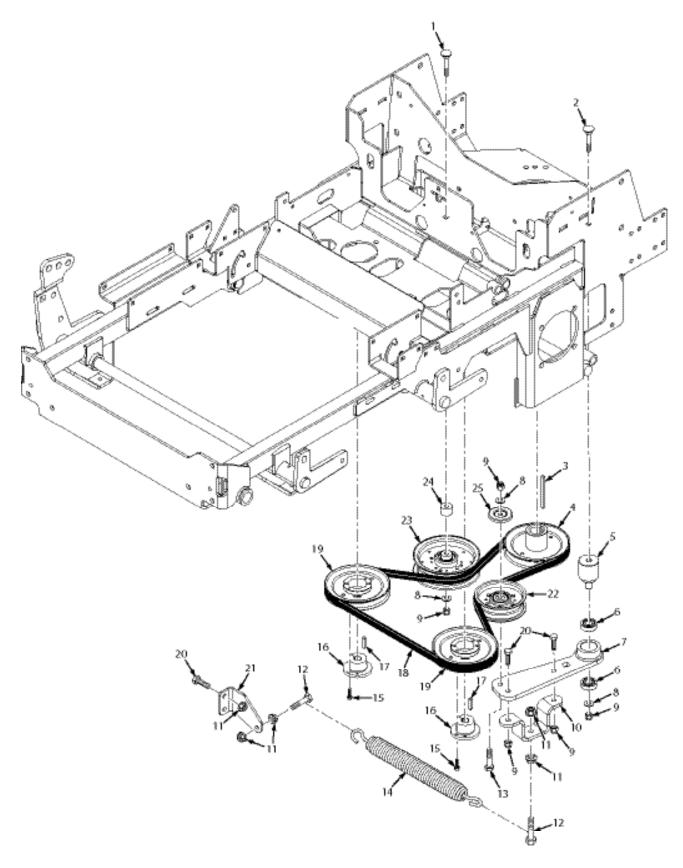
# STCII SOFT RIDE SEAT W/BLACK ARMRESTS USED ON STCII-48V-22FX



Ref. No.	Part No.	Description
1	485630	Seat Assembly
2	484709	Armrest Kit, LH
3	484527	Seat Belt Kit
4	484528	Back Cover
5	484710	Armrest Kit, RH
6	484529	Cover, Seat Cushion
7	481638	Seat Switch
8	485594	Track Kit



# **DRIVE SYSTEM COMPONENTS**



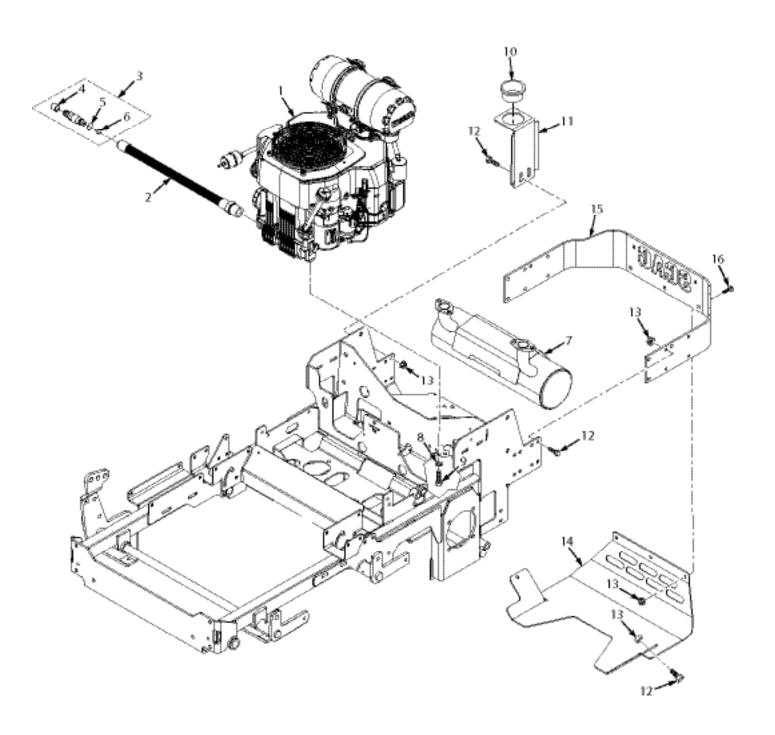


## **DRIVE SYSTEM COMPONENTS**

Ref. No.	Part No.	Description
1	04003-47	Bolt, Carriage 3/8-16 x 3-1/4"
2	04003-26	Bolt, Carriage 3/8-16 x 4"
3	04063-28	Key, 1/4 x 1/4 x 3-1/2"
4	485589	Pulley, 5.75" Dia 1.125 Bore
5	431025	Pivot, Idler Arm
6	48224	Bearing
7	462860	Idler Arm Assembly (incl. #6)
8	04043-04	Flatwasher, 3/8391 x .938 x .105 HD
9	04021-09	Nut, Elastic Stop 3/8-16
10	425386	Mounting Bracket, Idler
11	04019-04	Nut, Serrated Flange 3/8-16
12	04001-136	Bolt, Hex Head 3/8-16 x 1-1/2" Grade 8
13	04001-31	Bolt, Hex Head 3/8-16 x 2-1/2"
14	484202	Spring, Pump Drive
15	04001-172	Bolt, Hex Head 1/4-20 x 1"
16	482085	Hub, Tapered, 15mm Bore
17	04063-14	Key, 5 x 5 x 25mm
18	485648	Belt, Pump Drive (48"/52")
	485649	Belt, Pump Drive (61")
19	482744	Pulley, 5.75" OD Taper Bore
20	04001-32	Bolt, Hex Head 3/8-16 x 1-1/4"
21	427016	Bracket, Spring Anchor
22	484128	Pulley, 4" Dia. Idler
23	483215	Pulley, 5" Dia. Idler
24	43286	Spacer
25	424367	Dust Shield



## **ENGINE & ATTACHING PARTS**



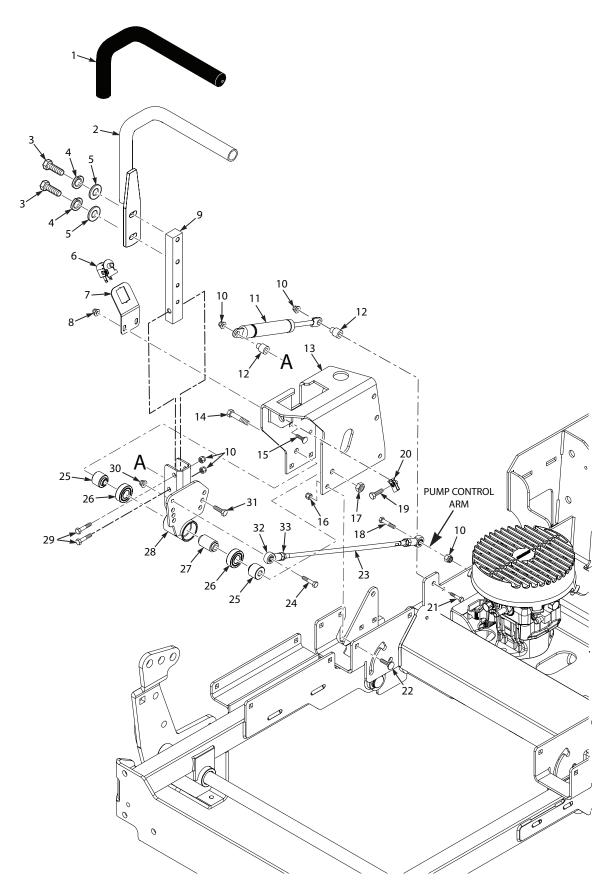


## **ENGINE & ATTACHING PARTS**

Ref. No.	Part No.	Description
1	485020	Engine, Kawasaki 22FX
	485021	Engine, Kawasaki 23FX
	485727	Engine, Kohler 23CV
	485728	Engine, Kohler 25CV-EFI
	485768	Engine, Kohler 29CV-EFI
2	484581	Hose, Oil Drain - Kawasaki FX (incl. #3, 4, 5, 6)
	484706	Hose, Oil Drain - Kohler CV & CV-EFI (incl. #3, 4, 5, 6)
	485734	Adaptor, Oil Drain Hose, 29CV-EFI - Not Shown
3	484583	Valve Assembly, Oil Drain
4	484585	Сар
5	48603-12	O-Ring
6	484586	Seal
7	485705	Muffler, Kawasaki FX
	484568	Muffler, Kohler 23CV
	484650	Muffler, Kohler 25CV-EFI
	485732	Muffler, Kohler 29CV-EFI
8	04030-04	Lockwasher, 3/8" Spring, Kawasaki FX
9	04001-32	Bolt, Hex Head 3/8-16 x 1-1/4", Kawasaki FX
	04011-07	Bolt, Hex Head 3/8-16 x 1-1/4" Self Tap, Kohler CV & CV-EFI
10	484617	Bushing, Thick Panel Snap
11	426040	Bracket, Oil Drain Hose
12	04001-19	Bolt, Hex Head 3/8-16 x 1"
13	04019-04	Nut, Serrated Flange 3/8-16
14	427032	Plate, Skid
15	425725	Bumper, Rear
16	04003-23	Bolt, Carriage 3/8-16 x 1"



## **STEERING COMPONENTS**



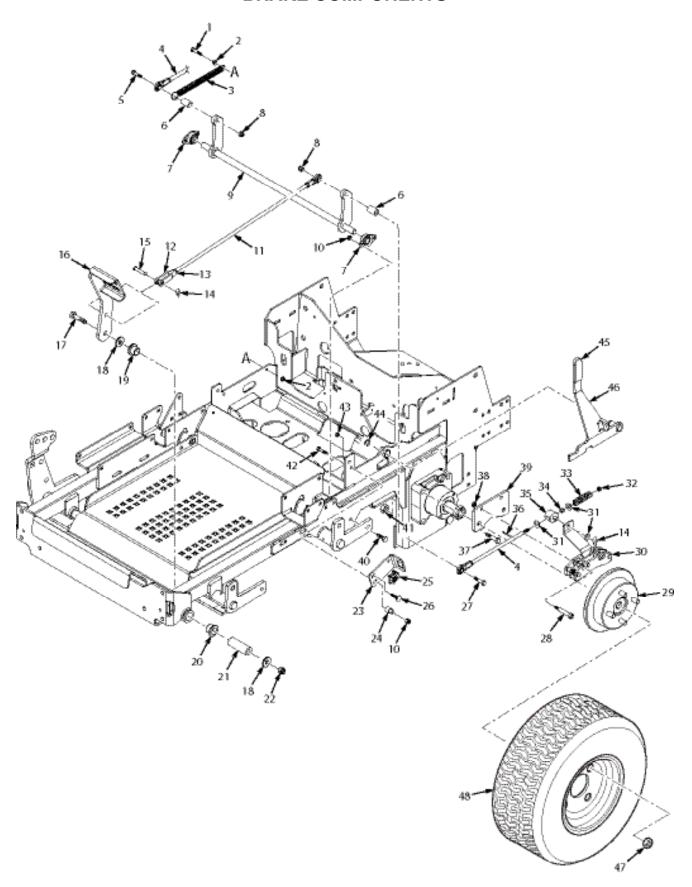


## **STEERING COMPONENTS**

1	Ref. No.	Part No.	Description
3	1	484376	Grip, Control Handle
4         04030-04         Lockwasher, 3/8" Spring           5         04041-07         Flatwasher, 3/8-391 x .938 x .105           6         481638         Switch, N/O           7         425905         Bracket, Operator Presence Switch           8         04117-03         Bracket, Operator Presence Switch           9         422372         Bar, Control Lever           10         04021-10         Nut, Flanged Elastic Stop 1/4-20           11         484151         Gas Damper           12         43602         Spacer, Pump Dampener           13         462922         Control Plate widecal, (Includes RH & LH)           14         04001-152         Bolt, Hex Head 3/8-16 x 4-1/4"           15         04003-02         Bolt, Hex Head 5/16-18 x 1"           16         04019-03         Nut, Serrated Flange 5/16-18           17         04021-05         Bolt, Hex Head 5/16-18 x 1"           18         04001-09         Bolt, Hex Head 5/16-18 x 1-1/2", RH           20         04110-03         Bolt, Hex Head 5/16-18 x 1-1/2", RH           21         04001-11         Bolt, Hex Head 5/16-18 x 1-3/4", LH           22         04003-12         Bolt, Carriage 5/16-18 x 1-3/4", LH           23         485583		462401	Handle Bar w/Grip
5         04041-07         Flatwasher, 3/8391 x .938 x .105           6         481638         Switch, N/O           7         425905         Bracket, Operator Presence Switch           8         04117-03         Nut, Flanged Elastic Stop 1/4-20           9         422372         Bar, Control Lever           10         O4021-10         Nut, Elastic Stop 5/16-18           11         484151         Gas Damper           13         462922         Control Plate Widecal, (Includes RH & LH)           14         04001-152         Bolt, Hex Head 3/8-16 x 4-1/4"           15         04003-02         Bolt, Lex Head 3/8-16 x 4-1/4"           16         04019-03         Nut, Serrated Flange 5/16-18           17         04021-05         Nut, Center Lock 3/8-16           18         04001-09         Bolt, Hex Head 5/16-18 x 1-1/2", RH           20         04110-03         Bolt, Hex Head 5/16-18 x 1-1/2", RH           21         04001-11         Bolt, Hex Head 5/16-18 x 1-1/2", RH           22         04003-12         Bolt, Carriage 5/16-18 x 3/4"           23         485583         Linkage Assy, Steering           Rod End, 5/16-24 UFH Jam         Bolt, Hex Head 1/4-20 x 1-1/2"           26         48224         Beari	3	04001-32	Bolt, Hex Head 3/8-16 x 1-1/4"
6       481638       Switch, N/O         7       425905       Bracket, Operator Presence Switch         8       04117-03       Nut, Flanged Elastic Stop 1/4-20         9       422372       Bar, Control Lever         10       04021-10       Nut, Elastic Stop 5/16-18         11       484151       Gas Damper         12       43602       Spacer, Pump Dampener         13       462922       Control Plate w/decal, (Includes RH & LH)         15       04003-02       Bolt, Hex Head 3/8-16 x 4-1/4"         16       04019-03       Nut, Serrated Flange 5/16-18         17       04021-05       Nut, Center Lock 3/8-16         18       04001-09       Bolt, Hex Head 5/16-18 x 1"         19       04107-03       Bolt, Hex Head 5/16-18 x 1-1/2", RH         20       04110-03       U-Nut, 3/8-16         21       04001-11       Bolt, Hex Head 5/16-18 x 1-3/4", LH         22       04003-12       Bolt, Carriage 5/16-18 x 3/4"         23       485583       Linkage Assy, Steering         24       04001-04       Bolt, Hex Head 1/4-20 x 1-1/2"         25       43600       Spacer, Bearing         26       48224       Bearing         27       <		04030-04	
7         425905         Bracket, Operator Presence Switch           8         04117-03         Nut, Flanged Elastic Stop 1/4-20           9         422372         Bar, Control Lever           10         04021-10         Nut, Elastic Stop 5/16-18           11         484151         Gas Damper           12         43602         Spacer, Pump Dampener           13         462922         Control Plate w/decal, (Includes RH & LH)           14         04001-152         Bolt, Hex Head 3/8-16 x 4-1/4"           15         04003-02         Bolt, Carriage 1/4-20 x 3/4"           16         04019-03         Nut, Serrated Flange 5/16-18           17         04021-05         Nut, Center Lock 3/8-16           18         04001-09         Bolt, Hex Head 5/16-18 x 1"           19         04107-03         Bolt, Hex Head 5/16-18 x 1-1/2", RH           0401-10         Bolt, Hex Head 5/16-18 x 1-1/2", RH           0401-11         Bolt, Hex Head 5/16-18 x 1-3/4", LH           04001-12         Bolt, Carriage 5/16-18 x 3/4"           23         485583         Linkage Assy, Steering           12         43607         Spacer, Controls           26         48224         Bearing           27         43600		04041-07	
8         04117-03         Nut, Flanged Elastic Stop 1/4-20           9         422372         Bar, Control Lever           10         04021-10         Nut, Elastic Stop 5/16-18           11         484151         Gas Damper           12         43602         Spacer, Pump Dampener           13         462922         Control Plate w/decal, (Includes RH & LH)           14         04001-152         Bolt, Hex Head 3/8-16 x 4-1/4"           15         04003-02         Bolt, Hex Head 5/16-18           16         04019-03         Nut, Serrated Flange 5/16-18           17         04021-05         Nut, Center Lock 3/8-16           18         04001-09         Bolt, Hex Head 5/16-18 x 1"           19         0410-03         Bolt, Hex Head 3/8-16 x 1-1/4" with Thread Lock Patch           21         04001-11         Bolt, Hex Head 5/16-18 x 1-1/2", RH           21         04001-12         Bolt, Hex Head 5/16-18 x 1-3/4", LH           22         04003-12         Bolt, Carriage 5/16-18 x 3/4"           23         485583         Linkage Assy, Steering           484073         Rod End, 5/16-24 LH           04020-31         Nut, 5/16-24 UNF Jam           24         04001-04         Bolt, Hex Head 1/4-20 x 1-1/2"		481638	
9		425905	
10         04021-10         Nut, Elastic Stop 5/16-18           11         484151         Gas Damper           12         43602         Spacer, Pump Dampener           13         462922         Control Plate w/decal, (Includes RH & LH)           14         04001-152         Bolt, Hex Head 3/8-16 x 4-1/4"           15         04003-02         Bolt, Earriage 1/4-20 x 3/4"           16         04019-03         Nut, Serrated Flange 5/16-18           17         04021-05         Nut, Center Lock 3/8-16           18         04001-09         Bolt, Hex Head 5/16-18 x 1"           19         04107-03         Bolt, Hex Head 5/16-18 x 1-1/2", RH           20         04110-03         U-Nut, 3/8-16           21         04001-11         Bolt, Hex Head 5/16-18 x 1-1/2", RH           04001-12         Bolt, Hex Head 5/16-18 x 1-3/4", LH           22         04003-12         Bolt, Carriage 5/16-18 x 3/4"           23         485583         Linkage Assy, Steering           484073         Rod End, 5/16-24 LH           04020-31         Nut, 5/16-24 UNF Jam           24         04001-04         Bolt, Hex Head 1/4-20 x 1-1/2"           25         43607         Spacer, Controls           26         48224			
11       484151       Gas Damper         12       43602       Spacer, Pump Dampener         13       462922       Control Plate w/decal, (Includes RH & LH)         14       04001-152       Bolt, Hex Head 3/8-16 x 4-1/4"         15       04003-02       Bolt, Carriage 1/4-20 x 3/4"         16       04019-03       Nut, Serrated Flange 5/16-18         17       04021-05       Nut, Center Lock 3/8-16         18       04001-09       Bolt, Hex Head 5/16-18 x 1"         19       04107-03       Bolt, Hex Head 3/8-16 x 1-1/4" with Thread Lock Patch         21       04001-11       Bolt, Hex Head 5/16-18 x 1-3/4", LH         22       04003-12       Bolt, Carriage 5/16-18 x 1-3/4", LH         22       04003-12       Bolt, Carriage 5/16-18 x 3/4"         23       485583       Linkage Assy, Steering         24       04001-04       Bolt, Hex Head 1/4-20 x 1-1/2"         25       43607       Spacer, Controls         26       48224       Bearing         27       43600       Spacer, Bearing         28       452731       Pivot Weldment, Control Arm RH         452730       Pivot Weldment, Control Arm LH         30       04021-08       Nut, Elastic Stop 1/4-20			
12			
13			
14         04001-152         Bolt, Hex Head 3/8-16 x 4-1/4"           15         04003-02         Bolt, Carriage 1/4-20 x 3/4"           16         04019-03         Nut, Serrated Flange 5/16-18           17         04021-05         Nut, Center Lock 3/8-16           18         04001-09         Bolt, Hex Head 5/16-18 x 1"           19         04107-03         Bolt, Hex Head 5/8-16 x 1-1/4" with Thread Lock Patch           20         04110-03         U-Nut, 3/8-16           21         04001-11         Bolt, Hex Head 5/16-18 x 1-1/2", RH           04001-12         Bolt, Hex Head 5/16-18 x 1-3/4", LH           22         04003-12         Bolt, Carriage 5/16-18 x 3/4"           23         485583         Linkage Assy, Steering           484073         Rod End, 5/16-24 LH           04020-31         Nut, 5/16-24 UNF Jam           24         04001-04         Bolt, Hex Head 1/4-20 x 1-1/2"           25         43607         Spacer, Controls           26         48224         Bearing           27         43600         Spacer, Bearing           28         452731         Pivot Weldment, Control Arm RH           452730         Pivot Weldment, Control Arm LH           29         04001-12         Bolt,			
15			
16         04019-03         Nut, Serrated Flange 5/16-18           17         04021-05         Nut, Center Lock 3/8-16           18         04001-09         Bolt, Hex Head 5/16-18 x 1"           19         04107-03         Bolt, Hex Head 3/8-16 x 1-1/4" with Thread Lock Patch           20         04110-03         U-Nut, 3/8-16           21         04001-11         Bolt, Hex Head 5/16-18 x 1-1/2", RH           04001-12         Bolt, Hex Head 5/16-18 x 3/4", LH           22         04003-12         Bolt, Carriage 5/16-18 x 3/4"           23         485583         Linkage Assy, Steering           Rod End, 5/16-24 LH         Nut, 5/16-24 UNF Jam           04020-31         Nut, 5/16-24 UNF Jam           24         04001-04         Bolt, Hex Head 1/4-20 x 1-1/2"           25         43607         Spacer, Controls           26         48224         Bearing           27         43600         Spacer, Bearing           28         452731         Pivot Weldment, Control Arm RH           29         04001-12         Bolt, Hex Head 5/16-18 x 1-3/4"           30         04021-08         Nut, Elastic Stop 1/4-20           31         04001-11         Bolt, Hex Head 5/16-18 x 1-1/2"           32         4			
17         04021-05         Nut, Center Lock 3/8-16           18         04001-09         Bolt, Hex Head 5/16-18 x 1"           19         04107-03         Bolt, Hex Head 3/8-16 x 1-1/4" with Thread Lock Patch           20         04110-03         U-Nut, 3/8-16           21         04001-11         Bolt, Hex Head 5/16-18 x 1-1/2", RH           04001-12         Bolt, Hex Head 5/16-18 x 1-3/4", LH           22         04003-12         Bolt, Carriage 5/16-18 x 3/4"           23         485583         Linkage Assy, Steering           484073         Rod End, 5/16-24 LH           04020-31         Nut, 5/16-24 UNF Jam           24         04001-04         Bolt, Hex Head 1/4-20 x 1-1/2"           25         43607         Spacer, Controls           26         48224         Bearing           27         43600         Spacer, Bearing           28         452731         Pivot Weldment, Control Arm RH           452730         Pivot Weldment, Control Arm LH           29         04001-12         Bolt, Hex Head 5/16-18 x 1-3/4"           30         04021-08         Nut, Elastic Stop 1/4-20           31         04001-11         Bolt, Hex Head 5/16-18 x 1-1/2"           32         485584         Rod End,			
18       04001-09       Bolt, Hex Head 5/16-18 x 1"         19       04107-03       Bolt, Hex Head 3/8-16 x 1-1/4" with Thread Lock Patch         20       04110-03       U-Nut, 3/8-16         21       04001-11       Bolt, Hex Head 5/16-18 x 1-1/2", RH         04001-12       Bolt, Hex Head 5/16-18 x 1-3/4", LH         22       04003-12       Bolt, Carriage 5/16-18 x 3/4"         23       485583       Linkage Assy, Steering         484073       Rod End, 5/16-24 LH         04020-31       Nut, 5/16-24 UNF Jam         24       04001-04       Bolt, Hex Head 1/4-20 x 1-1/2"         25       43607       Spacer, Controls         26       48224       Bearing         27       43600       Spacer, Bearing         28       452731       Pivot Weldment, Control Arm RH         29       04001-12       Bolt, Hex Head 5/16-18 x 1-3/4"         30       04021-08       Nut, Elastic Stop 1/4-20         31       04001-11       Bolt, Hex Head 5/16-18 x 1-1/2"         32       485584       Rod End, 5/16-24 RH			
19			
20       04110-03       U-Nut, 3/8-16         21       04001-11       Bolt, Hex Head 5/16-18 x 1-1/2", RH         04001-12       Bolt, Hex Head 5/16-18 x 1-3/4", LH         22       04003-12       Bolt, Carriage 5/16-18 x 3/4"         23       485583       Linkage Assy, Steering         484073       Rod End, 5/16-24 LH         04020-31       Nut, 5/16-24 UNF Jam         24       04001-04       Bolt, Hex Head 1/4-20 x 1-1/2"         25       43607       Spacer, Controls         26       48224       Bearing         27       43600       Spacer, Bearing         28       452731       Pivot Weldment, Control Arm RH         452730       Pivot Weldment, Control Arm LH         29       04001-12       Bolt, Hex Head 5/16-18 x 1-3/4"         30       04021-08       Nut, Elastic Stop 1/4-20         31       04001-11       Bolt, Hex Head 5/16-18 x 1-1/2"         32       485584       Rod End, 5/16-24 RH			
21			
04001-12 Bolt, Hex Head 5/16-18 x 1-3/4", LH  22 04003-12 Bolt, Carriage 5/16-18 x 3/4"  23 485583 Linkage Assy, Steering  484073 Rod End, 5/16-24 LH  04020-31 Nut, 5/16-24 UNF Jam  24 04001-04 Bolt, Hex Head 1/4-20 x 1-1/2"  25 43607 Spacer, Controls  26 48224 Bearing  27 43600 Spacer, Bearing  28 452731 Pivot Weldment, Control Arm RH  452730 Pivot Weldment, Control Arm LH  29 04001-12 Bolt, Hex Head 5/16-18 x 1-3/4"  30 04021-08 Nut, Elastic Stop 1/4-20  31 04001-11 Bolt, Hex Head 5/16-18 x 1-1/2"  32 485584 Rod End, 5/16-24 RH			
22	21		
23	00		
484073 Rod End, 5/16-24 LH 04020-31 Nut, 5/16-24 UNF Jam  24 04001-04 Bolt, Hex Head 1/4-20 x 1-1/2"  25 43607 Spacer, Controls  26 48224 Bearing  27 43600 Spacer, Bearing  28 452731 Pivot Weldment, Control Arm RH 452730 Pivot Weldment, Control Arm LH  29 04001-12 Bolt, Hex Head 5/16-18 x 1-3/4"  30 04021-08 Nut, Elastic Stop 1/4-20  31 04001-11 Bolt, Hex Head 5/16-18 x 1-1/2"  32 485584 Rod End, 5/16-24 RH			
04020-31       Nut, 5/16-24 UNF Jam         24       04001-04       Bolt, Hex Head 1/4-20 x 1-1/2"         25       43607       Spacer, Controls         26       48224       Bearing         27       43600       Spacer, Bearing         28       452731       Pivot Weldment, Control Arm RH         452730       Pivot Weldment, Control Arm LH         29       04001-12       Bolt, Hex Head 5/16-18 x 1-3/4"         30       04021-08       Nut, Elastic Stop 1/4-20         31       04001-11       Bolt, Hex Head 5/16-18 x 1-1/2"         32       485584       Rod End, 5/16-24 RH	23		
24       04001-04       Bolt, Hex Head 1/4-20 x 1-1/2"         25       43607       Spacer, Controls         26       48224       Bearing         27       43600       Spacer, Bearing         28       452731       Pivot Weldment, Control Arm RH         452730       Pivot Weldment, Control Arm LH         29       04001-12       Bolt, Hex Head 5/16-18 x 1-3/4"         30       04021-08       Nut, Elastic Stop 1/4-20         31       04001-11       Bolt, Hex Head 5/16-18 x 1-1/2"         32       485584       Rod End, 5/16-24 RH			
25       43607       Spacer, Controls         26       48224       Bearing         27       43600       Spacer, Bearing         28       452731       Pivot Weldment, Control Arm RH         452730       Pivot Weldment, Control Arm LH         29       04001-12       Bolt, Hex Head 5/16-18 x 1-3/4"         30       04021-08       Nut, Elastic Stop 1/4-20         31       04001-11       Bolt, Hex Head 5/16-18 x 1-1/2"         32       485584       Rod End, 5/16-24 RH	0.4		
26       48224       Bearing         27       43600       Spacer, Bearing         28       452731       Pivot Weldment, Control Arm RH         452730       Pivot Weldment, Control Arm LH         29       04001-12       Bolt, Hex Head 5/16-18 x 1-3/4"         30       04021-08       Nut, Elastic Stop 1/4-20         31       04001-11       Bolt, Hex Head 5/16-18 x 1-1/2"         32       485584       Rod End, 5/16-24 RH			
27       43600       Spacer, Bearing         28       452731       Pivot Weldment, Control Arm RH         452730       Pivot Weldment, Control Arm LH         29       04001-12       Bolt, Hex Head 5/16-18 x 1-3/4"         30       04021-08       Nut, Elastic Stop 1/4-20         31       04001-11       Bolt, Hex Head 5/16-18 x 1-1/2"         32       485584       Rod End, 5/16-24 RH			· ·
28			
452730 Pivot Weldment, Control Arm LH 29 04001-12 Bolt, Hex Head 5/16-18 x 1-3/4" 30 04021-08 Nut, Elastic Stop 1/4-20 31 04001-11 Bolt, Hex Head 5/16-18 x 1-1/2" 32 485584 Rod End, 5/16-24 RH			
29	20		
30	20		
31 04001-11 Bolt, Hex Head 5/16-18 x 1-1/2" 32 485584 Rod End, 5/16-24 RH			
32 485584 Rod End, 5/16-24 RH			,
,			
I 33   U4U2U-30   NUL 5/16-24 UNETH JAM	33	04020-30	Nut, 5/16-24 UNF LH Jam
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# **BRAKE COMPONENTS**





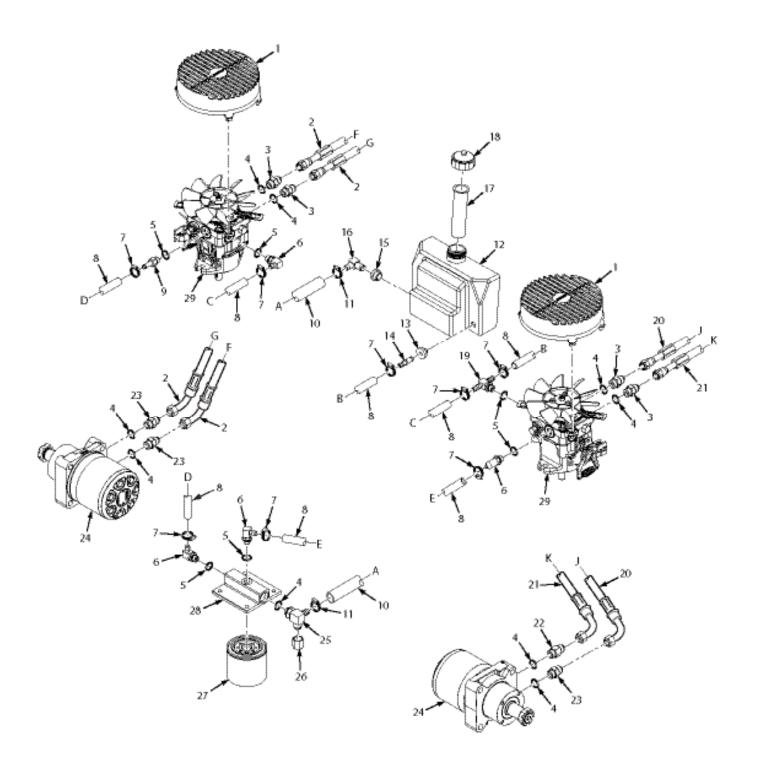
## **BRAKE COMPONENTS**

Ref. No.	Part No.	Description
1	04001-59	Bolt, Hex Head 1/4-20 x 1-1/4"
2	04019-02	Nut, Serrated Flange 1/4-20
3	485659	Spring, Brake Return
4	462465	Brake Link Assembly
_	04004 04	(incl. #31, 32, 33, 34, 35, 36)
5 6	04001-31 43572	Bolt, Hex Head 3/8-16 x 2-1/2"
7	48796	Spacer Bearing, Self Align - 5/8" I.D.
8	04117-02	Nut, Flanged Elastic Stop 3/8-16
9	452342	Brake Bellcrank Weldment
10	04021-10	Nut, Elastic Stop 5/16-18
11	485740	Brake Rod Assembly
	48544	Rod End, 3/8-24 LH
	04020-26	Nut, 3/8-24 UNF LH Jam
12	48343-04	Clevis
13	04020-25	Nut, 3/8-24 UNF Jam
14	04069-01	Pin, Rue Cotter - 3/8" Dia.
15	04064-02	Clevis Pin, 3/8 x 1.06"
16	452327	Brake Pedal Weldment
17	04001-194	Bolt, Hex Head 1/2-13 x 4-1/4"
18 19	04040-13 43872	Flatwasher, 1/2562 x 1.375 x .109 Sleeve, Brake Pivot
20	483453-03	Bearing
21	43872	Sleeve, Brake Pivot
22	04021-07	Nut, Elastic Stop 1/2-13
23	426992	Switch Mounting Bracket, Brake
24	43602	Spacer
25	481638	Switch
26	04003-02	Bolt, Carriage 1/4-20 x 3/4"
27	04001-54	Bolt, Hex Head 3/8-16 x 3"

Ref. No.	Part No.	Description
	Part No.  04009-10 462808 485595 04040-05 04021-18 484535 483453-23 462452 04061-02 04001-190 04021-05 426983 04001-08 04021-09 04001-12 04021-08 04050-01 482102 462820 04028-02 485586 485587 484105 481659 484104 481850 481851 481852	Bolt, 1/2 x 2-3/4" Shoulder Brake Hub Brake Caliper Flatwasher, 3/8406 x .812 x .065 Nut, Elastic Stop 3/8-24 Spring, Brake Bearing Swivel Assembly, Brake Cotter Pin, 3/32 x 3/4" Bolt, Hex Head 1/2-13 x 2-3/4" Nut, Center Lock 3/8-16 Mounting Bracket, Brake Bolt, Hex Head 5/16-18 x 3/4" Nut, Elastic Stop 3/8-16 Bolt, Hex Head 5/16-18 x 1-3/4" Nut, Elastic Stop 1/4-20 Retaining Ring, .625 Ext "E" Grip, Brake Lever Lever w/Grip, Parking Brake Wheel Nut, 1/2-20 Wheel Assy 24 x 9.5-12 (48" Deck) Rim (48" Deck) Wheel Assy 24 x 9.5-12 (52" Deck)) Rim (52" Deck) Tire 24 x 9.5-12 (48" & 52" Deck) Wheel Assy 24 x 12-12 (61" Deck) Rim (61" Deck) Tire 24 x 12-12 (61" Deck)
		. ,



# **HYDRAULIC SYSTEM**



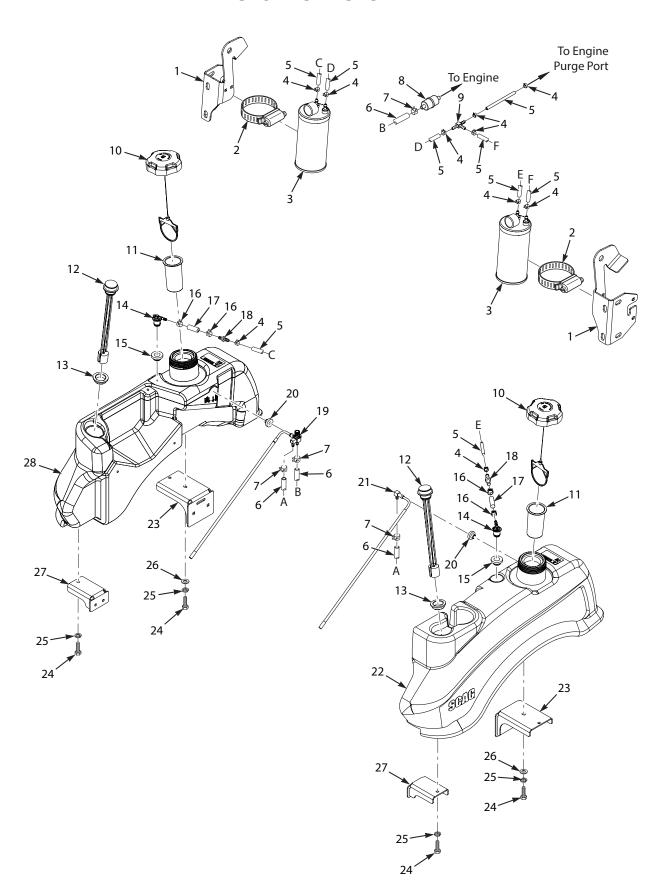


## **HYDRAULIC SYSTEM**

Ref. No.	Part No.	Description
1	485564	Fan Cover, Pump
2	484452	Hose Assembly
3	48572-04	Fitting, 1/2" JIC x 1/2" O-Ring
4	48603-02	O-Ring, 3/4"
5	48603-06	O-Ring, 7/16"
6	482266-01	Elbow, 90 Degree 9/16" O-Ring x 3/8" Hose
7	48136-13	Hose Clamp, .69" Dia.
8	48811	Hose, 3/8" Pushlock (order by inch)
9	482800-02	Fitting, 9/16" O-Ring x 3/8" Hose
10	48351	Hose, 1/2" Pushlock (order by inch)
11	48136-05	Hose Clamp, .87" Dia.
12	462801	Hydraulic Tank Assy (incl. #13, 14, 15, 16, 17, 18)
13	482571	Bushing
14	485590	Fitting, Straight
15	482573	Bushing
16	482574	Fitting
17	481507	Insert, Filler Neck
18	481164	Cap, Hydraulic Tank
19	482277	Tee Fitting, O-Ring to Barb
20	485603	Hose Assembly
21	485602	Hose Assembly
22	48572-10	Fitting, 1/2" JIC x 5/8" O-Ring (LH Wheel Motor - Upper Port Only)
23	48572-02	Fitting, 1/2" JIC x 5/8" O-Ring
24	482639	Wheel Motor, Parker
25	482483	Tee, 3/4" O-Ring x JIC x 1/2" Hose
26	48571-02	Cap
27	48462-01	Oil Filter
28	482417	Oil Filter Base
29	485573	Pump, LH (PK-3KCC-GA1F-XXXX)
	485574	Pump, RH (PK-3HCC-GA1F-XXXX)



# STCII FUEL SYSTEM





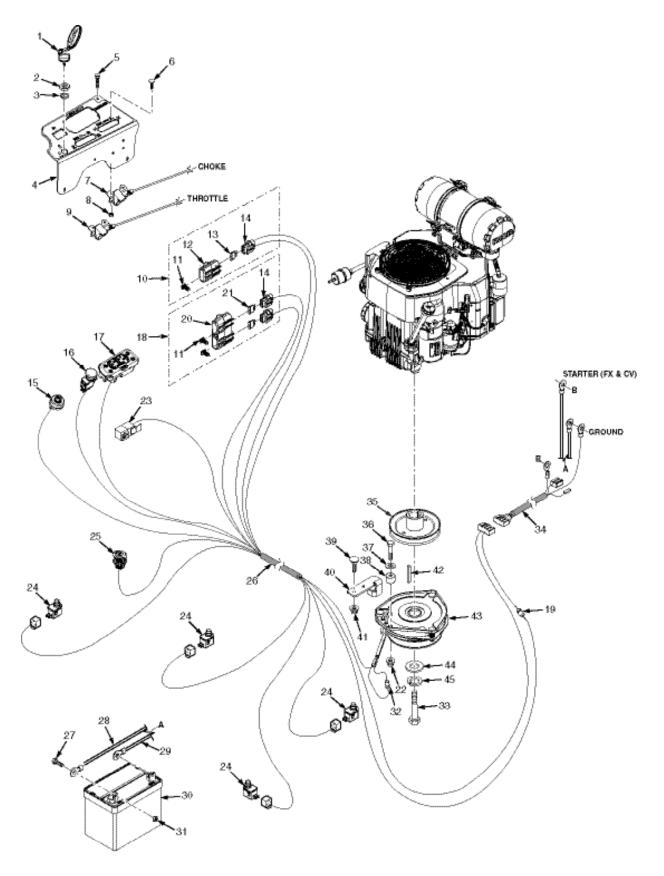
# STCII FUEL SYSTEM

Ref. No.	Part No.	Description
1	427028	ROPS Mount, LH
	427177	ROPS Mount, LH, 29CV-EFI
	427029	ROPS Mount, RH
	427178	ROPS Mount, RH, 29CV-EFI
2	48136-17	Clamp
3	484287	Carbon Canister, 400cc
	484366	Dust Filter, Carbon Canister
4	48059-05	Clamp, Vapor Recovery Hose
5	484345	Hose, 3/16" (order by inch)
6	483617	Hose, Non-Perm Fuel 1/4" I.D.
7	48059-01	Clamp, Fuel Hose 1/4" I.D.
8	**	Fuel Filter
9	48935-02	Tee, 3/16 x 3/16 x 3/16 Union, Hose Barb
10	484286	Fuel Cap, Tethered
	484297	Fuel Cap, Tethered (California Only)
11	484279-01	Tube, Fuel Tank Insert - 4"
12	484323	Fuel Gauge Assembly (incl. #13)
13	484242	Seal, Fuel Gauge
14	484333	Remote Vent
15	484285	Grommet, Viton
16	48059-02	Clamp, Fuel Hose 7/32
17	484347	Hose, Vapor Recovery (order by inch)
18	484343-01	Mender, 1/4 x 3/16
19	485637	Fuel Tube Assembly, Includes Valve
20	482571	Bushing, .56 Viton
21	484552	Fuel Tube Assembly, LH
22	462830	Fuel Tank Assembly, LH (incl. # 12, 14, 15, 20, 21)
23	427063	Mounting Bracket, Fuel Tank Rear
24	04001-08	Bolt, Hex Head 5/16-18 x 3/4"
25	04030-03	Lockwasher, 5/16" Spring
26	04040-15	Flatwasher, 5/16375 x .875 x .083
27	425862	Mounting Bracket, Fuel Tank Front
28	462831	Fuel Tank Assembly, RH (incl. #12, 14, 15, 19, 20)

<sup>\*\* =</sup> Available through engine manufacturer only.



## **ELECTRICAL SYSTEM**





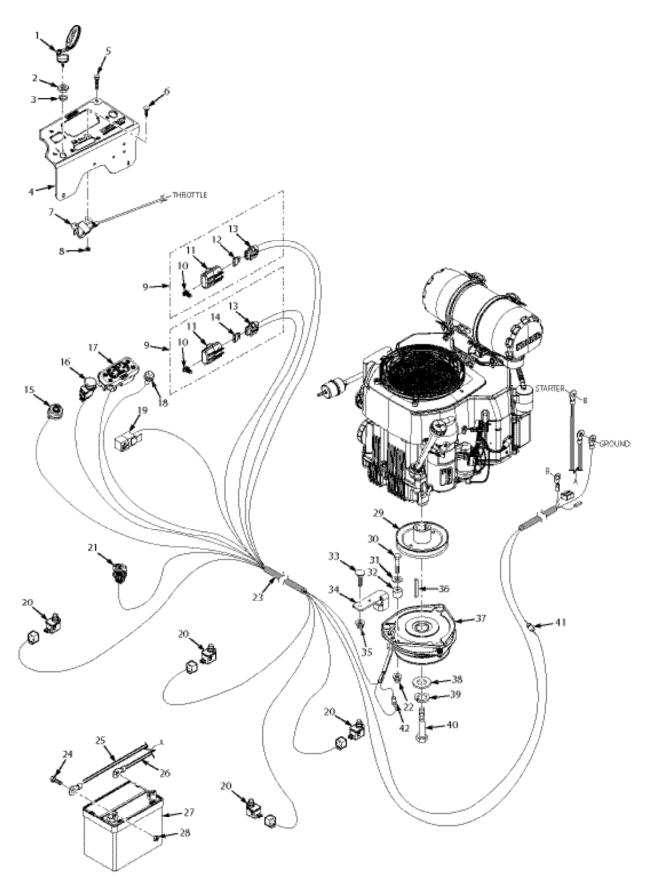
## **ELECTRICAL SYSTEM**

Ref. No.	Part No.	Description
1	483366	Key, Ignition
2	48017-04	Nut, Hex 5/8-32
3	48017-03	Lockwasher, 5/8" Internal
4	462862	Instrument Panel w/Decal
5	04017-04	Bolt, Hex Head Serrated Flange 1/4-20 x 1/2"
6	04003-43	Bolt, Carriage #10-24 x 1/2"
7	485628	Choke Control Cable (Kawasaki FX)
	485610	Choke Control Cable (Kohler CV)
8	04021-26	Locknut, #10-24
9	485628	Throttle Control Cable (Kawasaki FX, Kohler CV)
10	485739	Single Fuse Assy. (incl. #11, 12, 14)
11	482588	Clip, Wire
12	483643	Cover, Sealed Single
13	485674	Fuse, 5 Amp
14	483629	Fuse Holder
15	48798	Switch, Starter
16	483957	Switch, PTO
17	484721	Cluster Gauge
18	483642	Double Fuse Assy. (incl. #11, 14, 20, 21)
19	482253	Diode
20	483571	Cover, Sealed Double
21	48298	Fuse, 20 Amp
22	04021-10	Nut, Elastic Stop 5/16-18
23	483013	Relay
24	481638	Switch
25	485568	Power Plug
26	485640	Wire Harness
27	04001-44	Bolt, Hex Head 1/4-20 x 1/2"
28	48029-28	Battery Cable, 25" Red
29	48029-11	Battery Cable, 27" Black
30	*	Battery, 350 CCA
31	04020-02	Nut, 1/4-20 UNC
32	483958	Diode, 600V - 6A
33	04102-03	Bolt, Hex Head 7/16-20 x 2-1/4" w/Patch
34	485678	Wire Harness Adapter, Kawasaki - 22FX & 23FX
	485673	Wire Harness Adapter, Kohler - 23CV
35	485589	Pulley, 5.75" Dia 1.125 Bore
36	04001-11	Bolt, Hex Head 5/16-18 x 1-1/2"
37	04040-15	Flatwasher, 5/16375 x .875 x .083
38	431009	Bushing, UHMW
39	04003-12	Bolt, Carriage 5/16-18 x 3/4"
40	427330	Anti-Rotation Bracket
41	04117-01	Nut, Flange Elastic Stop 5/16-18
42	04063-28	Key, 1/4 x 1/4 x 3-1/2"
43	462339	Clutch, GT3.5 - 1.125 Bore
44	04041-28	Flatwasher, 7/16469 x 1.75 x .25
45	04030-05	Lockwasher, 7/16" Spring

<sup>\* =</sup> Not available through Scag.



# **ELECTRICAL SYSTEM - KOHLER EFI**





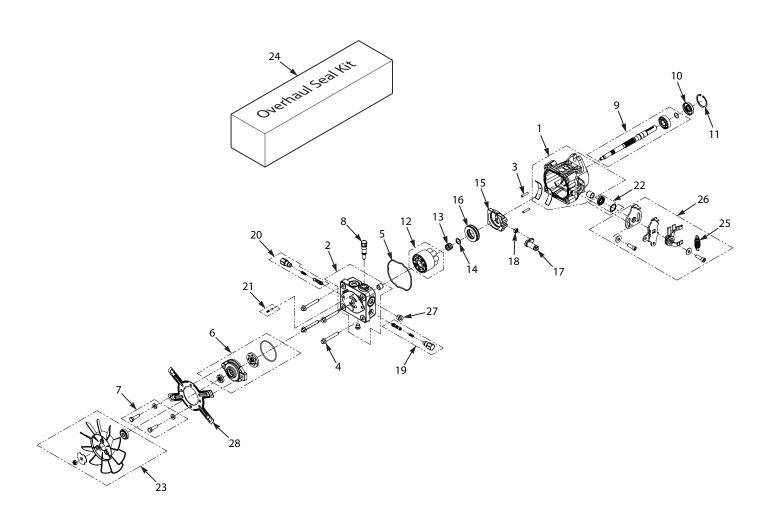
## **ELECTRICAL SYSTEM - KOHLER EFI**

Ref. No.	Part No.	Description
1	483366	Key, Ignition
2	48017-04	Nut, Hex 5/8-32
3	48017-03	Lockwasher, 5/8" Internal
4	462862	Instrument Panel w/Decal
5	04017-04	Bolt, Hex Head Serrated Flange 1/4-20 x 1/2"
6	04003-43	Bolt, Carriage #10-24 x 1/2"
7	485628	Throttle Control Cable
8	04021-26	Locknut, #10-24
9	485739	Single Fuse Assy. (incl. #10, 11, 13)
10	482588	Clip, Wire
11	483643	Cover, Sealed Single
12	485674	Fuse, 5 Amp
13	483629	Fuse Holder
14	48298	Fuse, 20 Amp
15	48798	Switch, Starter
16	483957	Switch, PTO
17	484721	Cluster Gauge
18	481182	Indicator Light
19	483013	Relay
20	481638	Switch
21	485568	Power Plug
22	04021-10	Nut, Elastic Stop 5/16-18
23	485641	Wire Harness, STCII-CV-EFI
24	04001-44	Bolt, Hex Head 1/4-20 x 1/2"
25	48029-28	Battery Cable, 25" Red
26	48029-11	Battery Cable, 27" Black
27	*	Battery, 350 CCA
28	04020-02	Nut, 1/4-20 UNC
29	485589	Pulley, 5.75" Dia 1.125 Bore
30	04001-11	Bolt, Hex Head 5/16-18 x 1-1/2"
31	04040-15	Flatwasher, 5/16375 x .875 x .083
32	431009	Bushing, UHMW
33	04003-12	Bolt, Carriage 5/16-18 x 3/4"
34	427330	Anti-Rotation Bracket
35	04117-01	Nut, Flange Elastic Stop 5/16-18
36	04063-28	Key, 1/4 x 1/4 x 3-1/2"
37	462339	Clutch, GT3.5 - 1.125 Bore
38	04041-28	Flatwasher, 7/16469 x 1.75 x .25
39	04030-05	Lockwasher, 7/16" Spring
40	04102-03	Bolt, Hex Head 7/16-20 x 2-1/4" w/Patch
41	482253	Diode
42	483958	Diode, 600V - 6A

<sup>\* =</sup> Not available through Scag.



## STCII HYDRAULIC PUMP ASSEMBLY





## STCII HYDRAULIC PUMP ASSEMBLY

Ref. No.	Part No.	Description
1	HG 71717	Housing Kit
2	HG 72011	End Cap Kit
3	HG 50641	Straight Headless Pin
4	HG 50969	Hex Flange Bolt, M8-1.25 x 60mm
5	HG 54022	Housing O-Ring
6	HG 71247	Charge Pump Kit
7	HG 72254	Charge Pump Bolt Kit
8	HG 2513030	Bypass Valve Kit
9	HG 70620	Pumpshaft Kit
10	HG 51161	Lip Seal
11	HG 50329	Retaining Ring (Internal)
12	HG 71971	Cylinder Block Kit
13	HG 2003014	Block Spring
14	HG 2003017	Flat Washer
15	HG 2003087	Swash Plate
16	HG 53502	Thrust Bearing
17	HG 52866	Trunnion Arm
18	HG 2000015	Slot Guide
19	HG 70743	Shock Valve Kit (.031" Orifice)
20	HG 70743	Shock Valve Kit (.031" Orifice)
21	HG 70402	Charge Relief Kit
22	HG 2513043	Trunnion Seal with Retainer
23	HG 70811	Fan/Hub Kit
24	HG 70525	Overhaul Seal Kit
25	HG 52401	Spring, Extension
26	HG 71716	RTN Kit (Std Scissor, Std Spring)
27	HG 9005110-5600	Straight Thread Plug
28	HG 52355	Bracket



## REPLACEMENT DECALS AND INFORMATION PLATES











## **IMPORTANT**

Operation on slopes can be hazardous.

This machine was originally equipped with a Rollover Protection Device with a Roll Bar and Seat Belt.

See your dealer if either is missing or damaged.

483425



Replace seat only with Scag approved seat with seat mounting provisions and Scag approved seat belts.

Failure to follow these directions could result in injury or death in the event of a rollover.

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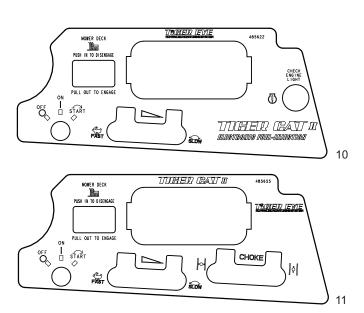


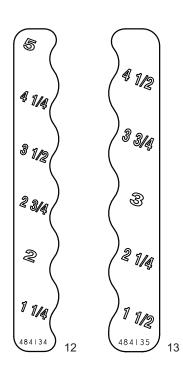


Heavy-Duty Commercial

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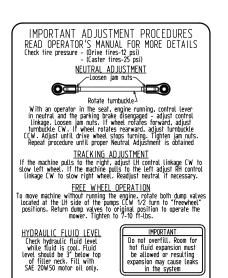
STCII 2016\_Decals 1



### REPLACEMENT DECALS AND INFORMATION PLATES

Ref. No.	Part No.	Description
1	483407	Decal, Danger-Spinning Blades
2	483406	Decal, Warning-Rotating Blades
3	485403	Decal, Metalcraft - USA
4	485656	Decal, Fuel Valve Position
5	482100	Decal, Traction Control
6	483425	Decal, ROPS
7	483633	Decal, Seat Replacement
8	483402	Decal, Belt Cover
9	484453	Decal, Heavy Duty Commercial
10	485622	Decal, Instrument Panel - EFI
11	485655	Decal, Instrument Panel
12	484134	Decal, Deck Height - LH
13	484135	Decal, Deck Height - RH
14	485629	Decal, Tiger Catll
15	483199	Decal, 48V
	483200	Decal, 52V
	483201	Decal, 61V
16	485654	Decal, Seat Support
17	485521	Decal, Belt Routing (48V & 52V)
	485522	Decal, Belt Routing (61V)
18	485633	Decal, STCII Replacement Parts
**	462893	Spanish Decal Kit, (not shown)
**	01411	DVD Video, Tips for Safe Operation of Your Scag Zero-Turn Mower

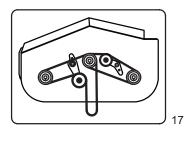




485654

16



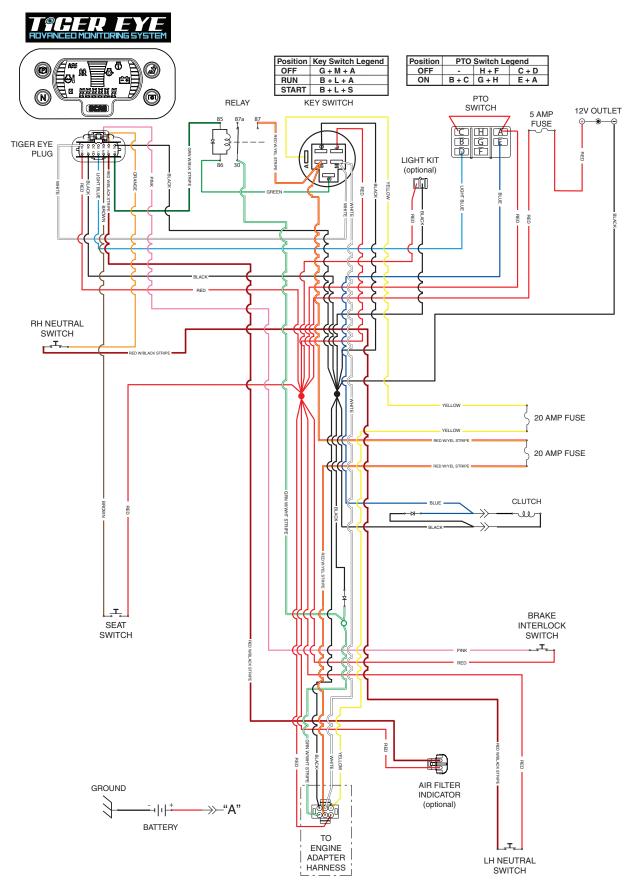




STCII 2016\_Decals 2

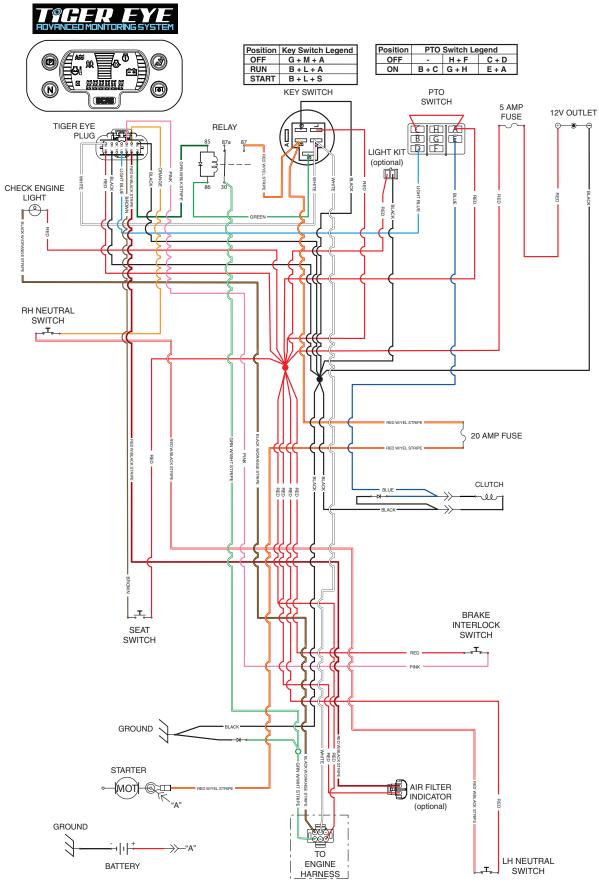


## STCII ELECTRICAL SCHEMATIC



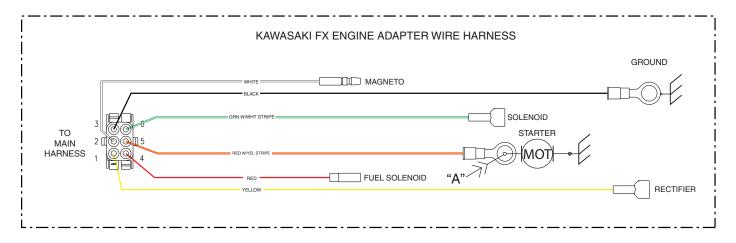


## STCII-EFI ELECTRICAL SCHEMATIC



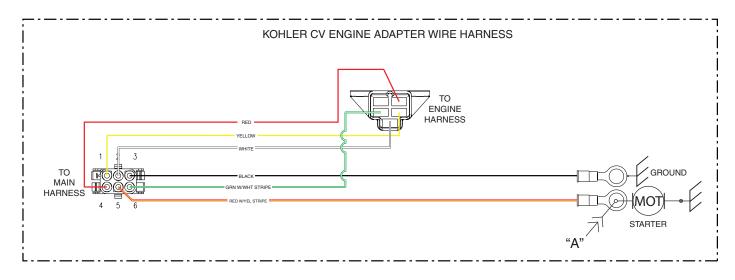


## STCII KAWASAKI ENGINE ADAPTER ELECTRICAL SCHEMATIC





## STCII KOHLER ENGINE ADAPTER ELECTRICAL SCHEMATIC



## LIMITED WARRANTY - COMMERCIAL EQUIPMENT

Any part of the Scag commercial mower manufactured by Scag Power Equipment and found, in the reasonable judgment of Scag, 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 provided the product was purchased from an Authorized Scag Power Equipment Dealer 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 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 drive belts, blades, hydraulic hoses and tires are warranted for ninety (90) days.
- · Batteries are covered for ninety (90) days.
- Frame and structural components including oil reservoir and oil coolers are warranted for two (2) years (parts and labor) for commercial use or three (3) years / 500 hours (whichever comes first) (parts and labor) for non-commercial use.
- Cutter decks are warranted against cracking for a period of three (3) years. (parts and labor 1st and 2nd year; parts only 3rd year.) The repair or replacement of the cutter deck will be at the option of Scag Power Equipment. We reserve the right to request components for evaluation. This warranty does not cover any mower 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.
- Engines and electric starters are covered by the engine manufacturer's warranty period.
- Major drive system components are warranted for two (2) years (parts and labor) for commercial use or three (3) year / 500 hour (whichever comes first) (parts and labor) for non-commercial use by Scag Power Equipment. (commercial and non-commercial warranty excludes fittings, hoses, drive belts). The repair or replacement of the hydraulic pump or hydraulic motor will be at the option of Scag Power Equipment. This warranty does not cover any mower 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.
- Electric clutches have a Limited Warranty for two (2) years (parts and labor) for commercial use or three (3) year / 500 hours (whichever comes first) (parts and labor) for non-commercial use.
- Spindle assemblies have a Limited Warranty for three years (parts and labor 1st year and 2nd; parts only 3rd year).
- Any Scag product used for rental purposes is covered by a 90 day warranty.

The Scag mower, including any defective part must be returned to an Authorized Scag Service Dealer within the warranty period. The expense of delivering the mower 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'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 mower. "Non-Commercial" use is defined as a single property owner, where the single property is the residence of the owner of the mower. If the mower is cutting 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 mower 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 the mower that is the result of improper maintenance, or to any mower 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 mower that has been altered or modified, changing performance or durability. In addition, the warranty does not extend to repairs made necessary by normal wear, or by the use of parts or accessories which, in the reasonable judgment of Scag, are either incompatible with the Scag mower or adversely affect its operation, performance or durability.

Scag Power Equipment reserves the right to change or improve the design of any mower without assuming any obligation to modify any mower previously manufactured. All other implied warranties are limited in duration to the two (2) year for commercial use, three (3) years / 500 hour for non-commercial use or ninety (90) days for mowers 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 two year, three year / 500 hour or ninety day warranty period. Scag's obligation under this warranty is strictly and exclusively limited to the repair or replacement of defective parts and Scag 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 assumes no responsibility for incidental, consequential or other damages including, but not limited to, expense for gasoline, expense of delivering the mower to an Authorized Scag 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 mower, 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.