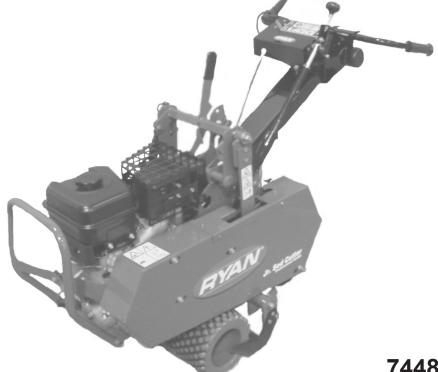


SELF PROPELLED WALK BEHIND SODCUTTER



744844H JR SODCUTTER 6HP B&S 12" ARTS MANUA

744845H JR SODCUTTER 6HP B&S 18"

744944C JR SODCUTTER 5.5HP HONDA 12"

744945C JR SODCUTTER 5.5HP HONDA 18"



MAN 4166235 Rev. A 12-2010 Original Language Instructions

OPERATOR'S MANUAL 4166234

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

A WARNING

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

CALIFORNIA

Proposition 65 Warning

Battery posts, terminals, wiring insulation, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. WASH HANDS AFTER HANDLING.

IMPORTANT MESSAGE

Thank you for purchasing this Schiller Grounds Care, Inc. product. You have purchased a world class product, one of the best designed and built anywhere.

This machine comes with aN Operation and Parts Manual. The useful life and good service you receive from this machine depends to a large extent on how well you read and understand this manual. Treat your machine properly, lubricate and adjust it as instructed, and it will give you many years of reliable service.

Your safe use of this Schiller Grounds Care, Inc. product is one of our prime design objectives. Many safety features are built in, but we also rely on your good sense and care to achieve accident-free operation. For best protection, study the manual thoroughly. Learn the proper operation of all controls. Observe all safety precautions. Follow all instructions and warnings completely. Do not remove or defeat any safety features. Make sure those who operate this machine are as well informed and careful in its use as you are.

See a Schiller Grounds Care, Inc. dealer for any service or parts needed. Schiller Grounds Care, Inc. service ensures that you continue to receive the best results possible from Schiller Grounds Care, Inc. products. You can trust Schiller Grounds Care, Inc. replacement parts because they are manufactured with the same high precision and quality as the original parts.

Schiller Grounds Care, Inc. designs and builds its equipment to serve many years in a safe and productive manner. For longest life, use this machine only as directed in the manual, keep it in good repair and follow safety warnings and instructions. You'll always be glad you did.

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Schiller Grounds Care, Inc. One Bob Cat Lane Johnson Creek, WI 53038-0469

NOTICE !!!

Unauthorized modifications may present **extreme** safety hazards to operators and bystanders and could also result in product damage.

Schiller Grounds Care, Inc. strongly warns against, rejects and disclaims any modifications, add-on accessories or product alterations that are not designed, developed, tested and approved by Schiller Grounds Care, Inc. Engineering Department. Any Schiller Grounds Care, Inc. product that is altered, modified or changed in any manner not specifically authorized after original manufacture–including the addition of "after-market" accessories or component parts not specifically approved by Schiller Grounds Care, Inc. will result in the Schiller Grounds Care, Inc. Warranty being voided.

Any and all liability for personal injury and/or property damage caused by any unauthorized modifications, add-on accessories or products not approved by Schiller Grounds Care, Inc. will be considered the responsibility of the individual(s) or company designing and/or making such changes. Schiller Grounds Care, Inc. will vigorously pursue full indemnification and costs from any party responsible for such unauthorized post-manufacture modifications and/or accessories should personal injury and/or property damage result.

S SCHILLER GROUNDS	
ONE BOB-CAT LANE JOHNSON CREEK, WI 53038 U.S.A.	3ER
2009 xxxKG xx.xKW 👩 L	SERIAL NUMBER
MODEL DESCRIPTION	
MODEL NUMBER	SER
l	

MODEL NUMBER: This number appears on sales literature, technical manuals and price lists.

SERIAL NUMBER: This number appears only on your mower. It contains the model number followed consecutively by the serial number. Use this number when ordering parts or seeking warranty information.



This symbol means: ATTENTION! BECOME ALERT!

Your safety and the safety of others is involved.

Signal word definitions:

The signal words below are used to identify levels of hazard seriousness. These words appear in this manual and on the safety labels attached to Schiller Grounds Care, Inc. machines. For your safety and the safety of others, read and follow the information given with these signal words and/or the symbol shown above.

DANGER indicates a hazardous situation which, if not avoided, **WILL** result in death or serious injury.

A WARNING

WARNING indicates a hazardous situation which, if not avoided, **COULD** result in death or serious injury.

CAUTION indicates a hazardous situation which, if not avoided, **COULD** result in minor or moderate injury. It may also be used to alert against unsafe practices or property damage.

CAUTION

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, **MAY** result in property damage.

MAINTENANCE SAFETY

In general

- Maintain machine according to manufacturer's schedule and instructions for maximum safety and best results.
- Park machine on level ground.
- Never allow untrained personnel to service machine.
- Guards should only be removed by qualified maintenance technician for manintenance/service. Replace when work is complete.
- Adjust or repair only after the engine has been stopped and the blade has stopped moving.
- Disconnect spark plug wire(s) before doing any maintenance.
- Replace parts if worn, damaged or faulty. For best results, always replace with parts recommended by the manufacturer.
- Do not dismantle the machine without releasing or restraining forces which may cause parts to move suddenly.
- Provide adequate support, e.g. jack stands for lifted machine or parts if working beneath.
- Do not put hands or feet near or under rotating parts.
- Clean up spilled oil or fuel thoroughly.
- Replace faulty mufflers.
- To reduce fire hazards, keep the engine, muffler, and fuel storage area free of grass, leaves, debris buildup or grease.

Blades

The sod cutter blade is sharp and can cut. Use extra caution when handling. Remove obstructions with care. Wrap the blade or wear gloves.



- Only replace blade. Never straighten or weld.
- Keep other persons away from blades.

Fuel

- Petrol (gasoline) and diesel fuels are flammable; petrol (gasoline) vapors are explosive. Use extra care when handling.
- Store only in containers specifically designed for fuel.
- When refueling or checking fuel level:
 - Stop the engine and allow to cool;
 - Do not smoke;
 - Refuel outdoors only;
 - Use a funnel;
 - Do not overfill;
 - If fuel is spilled, do not attempt to start the engine until the spill is cleaned up and vapors have cleared.
 - Replace caps on fuel containers and tanks securely.

Sparks from static electricity can start fires or cause explosions. Flowing fuel can generate static electricity. To provent static electricity sparks:

- ity. To prevent static electricity sparks:
- Keep fuel containers electrically grounded. Do not fill containers in a vehicle or on a truck or trailer bed with a plastic liner. Fill containers on the ground away from the vehicle.
- When practical, remove petrol (gas) powered equipment from the truck or trailer and refuel it on the ground. If equipment must be refueled on the truck or trailer, refuel from a portable container rather than a dispenser nozzle.
- Keep the dispenser nozzle in contact with the rim of the fuel tank or container opening until fueling is complete. Do not use a nozzle lock-open device.



SET-UP

- To prevent injury, wear appropriate eye protection and stand clear when cutting banding. Banding is under tension and may snap back when cut.
- 1. Remove crate top, sides and plastic covering unit. Remove the banding attaching the Jr. Sodcutter to the pallet.
- 2. Roll the Jr. Sodcutter off the pallet. The unit can also be driven off the pallet, but first read the Safety, Controls, and Operation sections of this manual, then check the oil and add gas.
- 3. Dispose of pallet, crate, plastic and banding in a responsible manner.

DRIVE BELT ADJUSTMENT

Keep belt free of oil and dirt, and adjusted to proper tension at all times.

Belt tension is adjusted by loosening four (4) engine mounting bolts and shifting engine on the base.

Belt tension is correct when the distance between the roll pin and sleeve on the master clutch rod is 1" to 1 1/4" (25-30mm) when the master clutch is engaged.

BRAKE BAND ADJUSTMENT

When adjusted properly:

- With the Master Clutch Control Lever engaged, the brake band is not braking the large drive pulley.
- When the Master Clutch Control Lever is disengaged, there will be some brakig occuring on the large drive pulley.

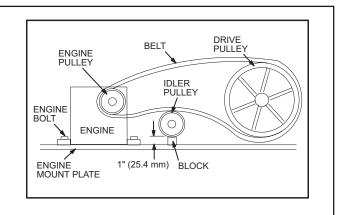
- When the Master Clutch Control Lever is disengaged, and pulled back firmly, the brake will fully stop the large drive pulley.

- 1. For less braking, loosen the locknut, unscrew the adjusting screw, then retighten the locknut.
- 2. For more braking, loosen the locknut, turn the adjusting screw in, then retighten the locknut.

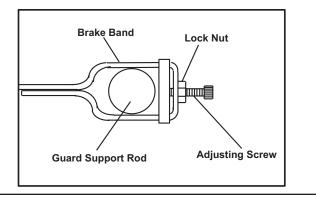
ADJUSTING DEPTH OF CUT

3/4" (20mm) is a good general starting depth of cut. Depth of cut can be varied from there depending on conditions and what you are trying to accomplish.

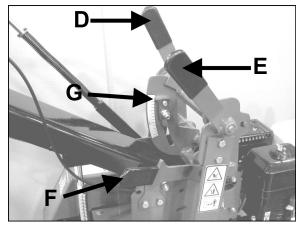
- Make an initial depth setting. Park the machine on a hard surface. Loosen depth control locking lever E and lower depth control lever D until the blade rests on the surface.
- Loosen the depth gauge lock E and set top of depth gauge G to the 3/4" (20mm) mark on the label. Tighten the depth gauge lock knob to secure the depth gauge setting.
- Use your left hand to tip the machine forward while lowering the depth control lever D until the depth control crossbar hits the Depth Stop G. Tighten the locking lever E to lock in the depth setting, make a trial run in turf. Check the depth of cut.



Start the machine, and check for proper operation. Readjust if necessary. IF the engine kills when engaging the Master clutch Control Lever, the brake may be set too tight.

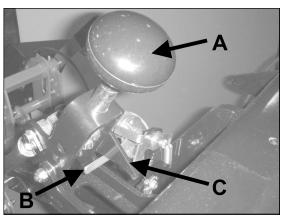


- 4. Re-adjust the depth gauge G and depth control lever D if necessary.
- **NOTE:** Numbers on depth gauge do not necessarily represent thickness of sod being cut. The numbers are useful as a reference for making changes.



ADJUSTING OPERATOR PRESENCE CONTROL

- 1. To adjust operator presence cable, pull clutch control handle **A** rearward as far as possible.
- 2. Press operator presence handle (right handlebar) down as far as possible.
- Adjust cable until the pivot arm C contacts the arm extending from the operator presence switch B.
- 4. Tighten cable clamp to secure cable. Check for proper operation.

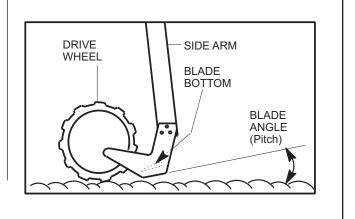


Cover removed for clarity

BLADE ANGLE (PITCH)

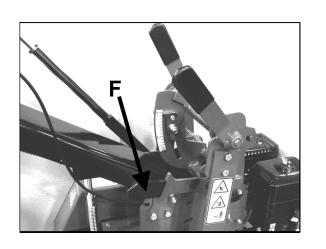
Under normal operating conditions, blade angle is minimal (blade bottom is flat). In extremely hard soil or when cutting with a dull blade, the blade may want to ride out of the ground. It may then help to adjust blade angle forward (see Adjusting Blade Angle below). A short trial run will indicate which is the best blade angle.

NOTE: Extreme blade angles put extra stress on the side arms. To reduce stress on the machine, operate with the flattest blade angle that gives satisfactory results.



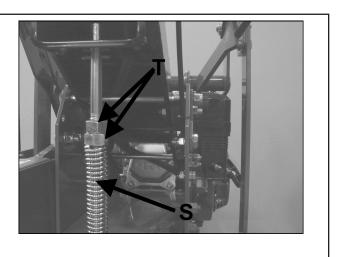
ADJUSTING BLADE ANGLE (PITCH)

- 1. Loosen blade angle control locking lever **F** and move H-frame forward or backward until blade is at desired angle (pitch).
- 2. Tighten blade angle control locking lever F.



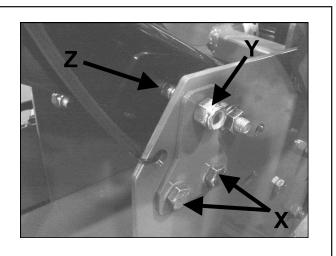
HANDLE SUPPORT SPRING

This spring **S** helps support the handle. If the four (4) isolator handle mounts are sagging or distorted, the two locking adjustment nuts **T** can be tighted downward to increase the spring force and raise the handle.



HANDLE STOP BOLTS

These two bolts **Y** limit the amount of handle movement. This prevents damage to the handle isolators, and provides positive control of the machine when extra effort is required to lift or turn. The rear stop bolt position is adjustable.. Loosen the two bolts **X** on the bolt centering plates on each side and tighten with the stop bolts centered in the two handle holes **Z**.





A WARNING

When replacement parts are required, use genuine **Schiller Grounds Care, Inc.** parts or parts with equivalent characteristics, including type, strength and material. Failure to do so may result in product malfunction and possible injury to the operator and/or bystanders.

Carbon monoxide present in the exhaust is an odorless and deadly gas. Never start or run the engine inside where exhaust fumes can collect. Provide enough fresh air to keep fumes from getting too strong.

Replace any warning decal that becomes illegible immediately.



DAILY MAINTENANCE

Operator Presence System

For the engine to run, the Operator Presence Lever must be held when the Master Clutch Control is engaged.

To Check:

- 1. Start the engine and run at 1/2 throttle with the master clutch disengaged.
- 2. Engage the master clutch holding the Operator Presence Lever. Release the operator presence lever and the engine should stop.

Repair the machine before using if the Operator Presence System does not kill the engine.

Blades:

Check for damage. Replace any broken, cracked or otherwise damaged blades. Do not weld or straighten blades. Replace or sharpen dull blades. See sharpening instructions.

Hardware:

Tighten any nuts and bolts that are found loose. Replace any broken or missing cotter pins. Repair any other problems before operating.

Engine:

See engine manual for oil change intervals and oil specifications. See engine manual for air cleaner service intervals and service procedure.

Lubrication:

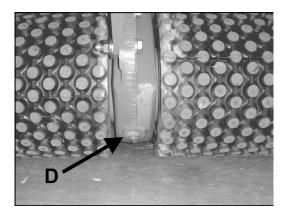
The gear case is initially filled with 3 1/2 pints (1.7 L) of EP 140 Gear Lube. Do not add to this amount unless oil is changed or lost through leakage. Gear case drain plug **D**.

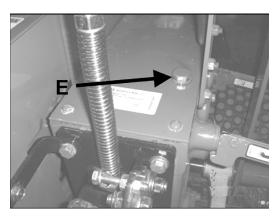
On all pressurized lubrication fittings use a good grade of Lithium Based lubricant.

The Jr. Sodcutter has 6 lubrication fittings. Lubricate pitman arms (1 each side) and side arms (1 each side) after every 4 hours of use.

Lubricate side arm pivots (1 each side - top of unit) after every 8 hours of use.

Check gear case lubricant level using dipstick **E** located on top of gear case. Check lube with dipstick sitting on threads, do not screw in.

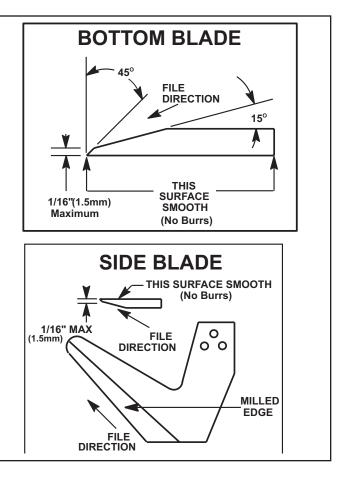




BLADE SHARPENING

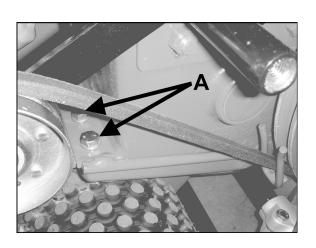
Wear the appropriate personal protective equipment when sharpening blades.

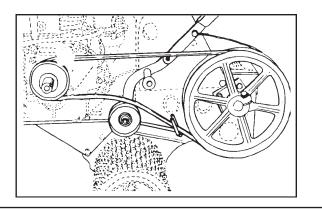
- 1. Hand file bottom blade at 45° angle until no flat remains.
- 2. To keep cutting edge less than 1/16" (1.5mm) on 45° angle, grind milled surface back at 15° to less than 1/16"(1.5mm).
- 3. Hand file side blades at 45° until no flat remains.
- To keep cutting edge less than 1/16"(1.5mm) on 45° angle, grind milled surface back at 15° to less than 1/16"(1.5mm).



DRIVE BELT REPLACEMENT

- 1. Remove shield on left side of unit.
- 2. Remove nut securing brake band to clutch control rod.
- 3. Remove cotter pin on outside of guard support rod and move brake band over to nut on rod.
- 4. Loosen two bolts **A** securing belt guide to provide clearance when removing belt.
- 5. Remove belt from engine pulley. To do this, loosen upper and lower belt guards, or remove the engine pulley.
- 6. Install new belt in reverse procedure. Route the belt as shown.
- 7. Adjust belt and brake band. See Adjustment Section.





DRIVE CHAIN REMOVAL

- 1. Raise unit, place on adequate supports and remove belt guard.
- 2. Remove four (4) screws securing gear case cover.
- 3. Remove throttle cable from engine and lay behind cam case.
- 4. Remove dipstick from cover.
- 5. Remove screw, flat washer, nut and bushing from right lower side of "H" frame.
- 6. Using a screwdriver, lift gear case cover to break sealant bond and remove cover.

- 7. Drain oil out of front cavity on case, and turn drive wheels until master link is on top of sprocket.
- 8. Connect new chain to old with master link. Rotate drive wheels until new chain is pulled around. Remove old chain and connect new chain with a new master link.
- Complete installation by reversing procedure Clean mating surfaces on case and cover. Apply 3M Scotch Grip 847 or an equivalent adhesive to case cover before installation.

DRIVE WHEEL CHAIN SPROCKET SHAFT 1. Follow steps 1 thru 7 in drive chain removal 5. Install axle nut on end of shaft, opposite the side section. of snap ring previously removed. 2. Remove master link and remove chain from top 6. Using a soft hammer (lead, brass, etc.), drive shaft out of case. Sprocket can now be removed sprocket. by lifting up on chain. 3. Remove both drive wheels and axle keys. 7. Top sprocket and chain should be checked for Remove seal in case and snap ring retaining wear and replaced if necessary. 4. bearing in case. 8. Reassemble in reverse procedure using new seals and gaskets.

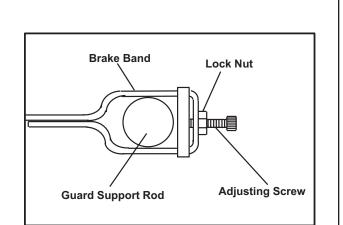
BRAKE BAND REPLACEMENT AND ADJUSTMENT

- 1. Remove belt guard.
- 2. Remove old brake band. Retain all hardware.
- 3. Install new brake band with the large loop and hardware at the lower mounting point (on guard support rod).
- 4. Loosen the lock nut and the adjustment screw on the new brake band. Engage the Clutch Control lever and tighten the adjustment screw until the brake band is pulled snug against the belt. (See Brake Band Adjustment, pg. 5) Tighten the lock nut on brake adjustment screw. Make a test run. Stop engine and re-adjust brake band if necessary.
- 5. Re-install belt guard using original hardware.

NOTE: Make sure that cotter pin does not interfere with drive belt.

Routine brake band adjustment is necessary as the band and belt wear.

If brake band is not correctly attached to clutch control link, idler arm will rotate backward away from belt and no drive will occur.



Sodcutter

UPPER DRIVE SPROCKET & SHAFT

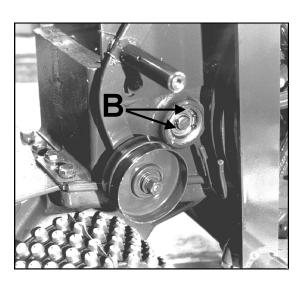
- 1. Follow steps 1 thru 6 in drive chain removal section.
- 2. Remove master link from chain. Chain does not need to be removed from lower sprocket.
- 3. Remove drive shifter assembly from gear case.
- 4. Remove blade and side arms from pivot brackets for easier access.
- 5. Remove plugs on both ends of shaft.
- 6. Remove snap rings **B** from left bearing.
- 7. Using a punch and soft hammer (lead, leather, etc.), drive shaft out left side of unit and remove large gear.
- 8. Using a bearing puller or slide hammer, remove bearing. Shaft is now removable through cam case cover opening.
- 9. Dog clutch half is removable from gear by removing snap ring.
- 10. Assemble in reverse procedure.
- 11. After installing blade shifter assembly, adjust dog clutch to provide .015" (0.39 mm) clearance between clutch faces, as shown.
- 12. Apply 3M Scotch Grip adhesive or an equivalent to gear case cover before installation.

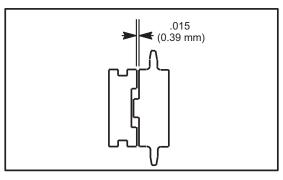
BLADE DRIVE CHAIN REPLACEMENT

- **NOTE:** To prevent small components from falling down into oil cavities and causing damage to unit, cover opening with clean rags, cardboard, etc.
- 1. Follow steps 1 thru 6 in drive chain removal section.
- 2. Remove bottom screw on bearing cage to drain

oil from rear cavity.

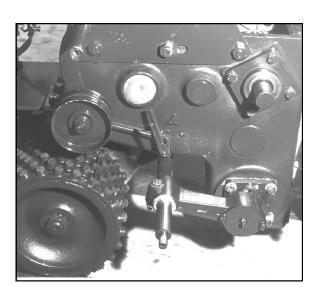
- 3. Rotate pulley shaft until master link is to front of top sprocket. Remove master link.
- 4. Rotate blade drive shaft until chain is free.
- 5. Install new chain in reverse procedure. Use 3M Scotch Grip 847 or an equivalent adhesive on case cover and bearing retainer screw.

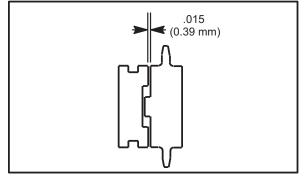




PULLEY SHAFT

- 1. Follow steps 1 thru 4 in belt replacement section and steps 2 thru 6 in drive chain removal section.
- 2. Remove blade from unit and remove left side arm.
- 3. Remove blade shifter assembly.
- 4. Turn pulley until master link is on top of sprocket. Remove chain from top sprocket.
- 5. Remove belt pulley and key.
- Remove four (4) bearing cage screws and pull gears out left side of unit. Dog clutch and double sprocket will slide off as shaft is removed.
- 7. To remove gear and bearing, remove snap ring, slide gear off shaft and remove key. Remove bearing snap ring and remove bearing.
- 8. Assemble in reverse procedure. After blade shifter assembly is installed, adjust dog clutch to provide .015" (0.39 mm) clearance between clutch faces, as shown.
- 9. Apply 3M Scotch Grip 847 adhesive or equivalent to gear case cover before installation.



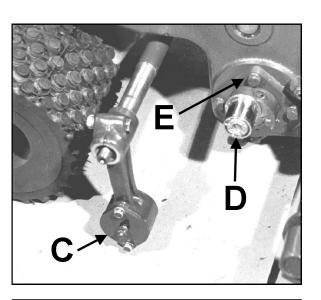


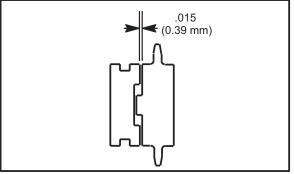
BLADE SPROCKET SHAFT

- 1. Follow steps 1 thru 6 in pulley shaft section.
- 2. Loosen clamp screw on left pitman arm **C** and remove from shaft.
- 3. Loosen clamp screw in eccentric assembly **D** and remove.
- 4. Remove two (2) top screws securing the other side arm assembly. Side arm, shaft and pitman arm, are now removable by pulling side arm out.
- 5. Remove eccentric and both bearing cages **E**. Put a pan under rear portion of case to catch oil from case cavity.
- 6. Push shaft to left of case, lift right end of shaft out of case with bearings and sprocket intact.
- 7. To remove sprocket, press bearing from shaft, and slide sprocket off.
- 8. Assemble in reverse procedure. After blade shifter assembly is installed, adjust dog clutch to provide .015" (0.39 mm) clearance between clutch faces, as shown.

NOTE: End play on shaft must not exceed .005 (.127 mm) clearance and should rotate freely when bearing cages are tightened. Shim as required to obtain correct clearance.

9. Apply 3M Scotch Grip 847 adhesive or equivalent to gear case cover before installation.

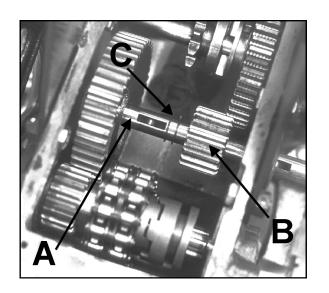




MAINTENANCE / STORAGE

IDLER GEAR SHAFT

- 1. Remove belt guards.
- 2. Follow steps 2 thru 6 in drive chain removal section.
- 3. Remove plug from right side of unit.
- Remove snap ring C from groove by small gear B to left end of shaft A.
- 5. Move small gear **B** to left side (from operators position) of case.
- 6. Move shaft **A** out right side of case until large gear clears shaft for removal.
- 7. Remove key from shaft and slide snap rings **C** off end of shaft.
- 8. Small gear **B** will slide off as shaft is removed from gear case.



Sodcutter

 Assemble in reverse procedure. Apply 3M Scotch Grip 847 adhesive or equivalent to gear case cover before installation.

STORAGE INSTRUCTIONS

A WARNING

To prevent possible explosion or ignition of vaporized fuel, do not store equipment with fuel in tank or carburetor in enclosure with open flame (for example, a furnace or water heater pilot light).

Daily Storage

- 1. Check engine oil level and air filter element daily.
- 2. Check oil level in gear case.
- 3. Close fuel valve at bottom of fuel tank.
- 4. Clean cutting blade (grass, dirt, etc.).

EXTENDED STORAGE

Before the equipment is put into storage for any period exceeding 30 days:

- 1. Drain all fuel from fuel tank and lines (use a hose or fuel line, routed from fuel tank shut-off to proper container).
- 2. Start engine and run until all fuel is used from the carburetor float bowl.
- While engine is warm, drain the crankcase oil and refill with the proper weight of oil corresponding to the season when the equipment will next be used.
- 4. Remove the spark plug and squirt a small quantity of engine oil into the cylinder. Turn the engine over a few times to distribute the oil.
- 5. Lubricate all lubrication fittings.
- 6. Clean and oil cutting blade to prevent rust.

To put equipment into operation after an extended storage:

- 1. Fill fuel tank with clean fresh fuel.
- 2. Check crankcase oil level, and start engine.
- 3. Check fuel system for fuel leaks.

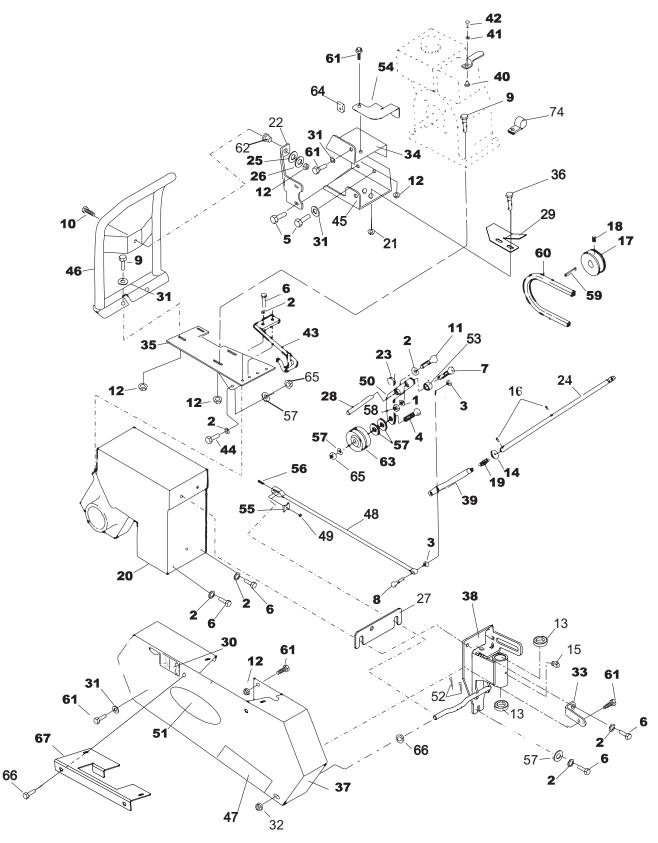
POSSIBLE PROBLEM	PROBABLE CAUSE	REMEDY	
Blade will not stay in ground.	A. Bottom of blade is rounded off.	A. Sharpen or replace blade. See page 15.	
ground.	B. Blade angle is not properly set.	B. Adjust blade angle. See page13.	
Root hair pinning on side or bottom of blade.	A. Some types of turf and soil make this a problem.	A. Keep the blade extra sharp and ground back at a low angle.	
5 #	A. Wrong type of belt construction.	A. Use only the special Ryan factory belt.	
Belt jumps off.	B. Too much slack when belt tightener is disengaged.	B. Slide engine forward and readjust control rod.	
Locking levers not	A. Thread wear on locking nut.	A. Replace locking nut.	
tight when pulled to limit of travel.	B. Locking nut not properly adjusted.	B. Tighten locking nut on opposite end of tie rod.	
Belt grabs in pulleys	A. Belt is old and frayed, or is not the type sent out with the unit.	A.Replace with factory construction belt, designed for belt tightener clutches.	
and unit creeps when clutch is not engaged.	B. Rust or paint in pulley grooves.	B. Clean and polish pulleys.	
	C. Engine set too far forward.	C. Move engine back.	
ldler does not engage belt when clutch lever is moved forward.	A. Brake band is not attached to clutch link or is broken.	A. Reattach upper end of brake band to clutch link or replace brake band.	

1	
Models: 744844HJr. Sodcutter - 12 in.(30.5cm)	
744845HJr. Sodcutter - 18 in.(45.7cm)	Dimensions:
. ,	
Engine	Width 24" (600 mm)
Model4 cycle 6.5H.P.(4.8KW) B&S Vanguard,	Length 49" (1244 mm)
Model 12H332, Type 0159,	Height
Trim B8, 12.5 cu. in. (205 cc)	Wheelbase
	147 - 1 - 1 - 4
Governor	Weight:
Clutch spring loaded belt tightener type	744844H & 744944C 333 lbs. (151 Kg)
	744845H & 744945C 377 lbs. (171 Kg)
Reduction	
Engine to blade	TOUCH -UP PAINT:
Engine to drive wheels 55.8:1	16OZ. (0.5L) Spray can, order P/N 65334
Models: 744944CJr. Sodcutter - 12 in.(30.5cm)	
	<u> </u>
744945CJr. Sodcutter - 18 in.(45.7cm)	
Engine	
Model 4 cycle 5.5 H.P. Honda	
Model GX160-K1QX2, GX160 OHV	
9.9 cu. in. (163 cc)	
StarterRecoil	
Governor 3600 RPM ± 100 RPM, no load	
Clutch spring loaded belt tightener type	
Deduction	
Reduction	
Engine to blade 2.94:1	
Engine to drive wheels	
Wheels:	
Drive 8" (203 mm) Dia. w/knobby	
tread vulcanized to hub	
Rear8 x 1.75 (203 X 45mm) semi-pneumatic	
tires	
with pre-packed ball bearings	
Drive:	
Engine to gear case "A" section belt	
Gear case to drive shaft	
and blade driveroller chain	
Gear case:	
Lubrication EP140 Gear lube	
Capacity 3 1/2 Pints (1.7L)	
Cutting width:	
744844H & 744944C11 3/4" (298 mm)	
744845H & 744945C18" (457 mm)	
(407 IIIII) (407 IIIII)	
Cutting depth:up to 1.5" (38mm)	
Blade pitch:	
Hand lever adjustment variable 0° to 9°	
Blade speed:	
1225 oscillations/min @ 3600 engine RPM	
	1

PARTS SECTION

DRIVE ASSEMBLY AND SIDE COVER

JR SOD CUTTER



DRIVE ASSEMBLY AND SIDE COVER

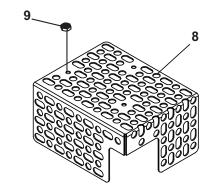
JR SOD CUTTER

ITEN	I PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	64163-95	WSHR344X.688X.065	1	47	4133034	LABEL-JR SOD CUTTER	1
2	64006-03	LOCKWSHR-HELICAL 3/8	15	48	524573	BAND, BRAKE	1
3	64001-13	NUT-HEX JAM 1/4-20	2	49	64025-14	NUT-HEX #10-32	1
4	64123-67	BLT-HEX 3/8-16X2	1	50	4164571.7	WLDMT-IDLER ARM	1
5	64139-01	BLT-WLF 5/16-24X3/4	4	51	4163976	LABEL-RYAN	1
6	64123-50	BOLT-HEX 3/8-16X1	14	52	64168-2	HAIRPIN	2
7	64123-68	BOLT-HEX 5/16-18X1	5	53	819337	BUSHING	1
8	64123-269	BLT-HEX 1/4-20X1-1/8	1	54	524610.7	BRACKET,BELT GUIDE	1
9	64139-23	BLT-WLF 5/16-18 X 1-3/4	4	55	524574	NUT, BRAKE BAND	1
10	64139-10	BLT-WLF 5/16-18X1-1/4	1	56	64044-22	SCREW-SET #10-32X1	1
11	64123-15	BOLT-3/8-16X3/4 HEX	1		(ITEMS 55, 5	6, 49 & 48 ARE AVAILABLE	
12	64141-6	NUT, 5/16-18	4		IN BRAKE B	AND KIT 540274)	
13	4129801	BEARING-FLANGE	2				
14	64163-67	WASHER516X1X12GA	2	57	64163-31	WSHR 25/64X1X12	6
15	85010N	ZERK-GREASE	1	58	64141-9	NUT-WLF 5/16-18 EL	1
16	64176-11	PIN-COILED SPRING 3/16	X1 2	59	64164-11	KEY-3/16X3/16X1-1/4 SQ END) 1
17	517137	PULLEY,4" DIA "A" SIZE	1	60	524582	BELT, V A SECT. 66" LONG	1
18	64044-18	SCREW-SET 5/16-18 x 5/1	62	61	64139-06	BLT-WLH 5/16-18X5/8	6
19	518535	SPRING	1	62	2702464	BUSHING, ISOLATION	1
20	4164641	GEARCASE 12"	1	63	548942	PULLEY, PLAIN IDLER 3.25	5" 1
	4164642	GEARCASE 18"		64	800889	NUT, 31-18 SPD J W/NUT	2
				65	64268-03	NUT-FL NYLON LOCK 3/8-	16 3
21	64141-2	NUT-WLF 1/4-20	2	66	64152-56	SCREW-HS S-TAP #12X1/2	2 4
22	524773.2	BRACE, GUARD	1	67	4163857.2	COVER-EXTENSION	1
23	520785	SPRING	1	68*	524775	FILTER, AIR CLEANER	1
24	4164474	ROD-CONTROL	1	69*	524776	FILTER, AIR PRE-CLEANER	R 1
25	838496	WASHER,.25 1.00.125 FLA	T 1	70*	540385	KIT, SPARK ARRESTOR	1
26	64163-29	WASHER-21/64 X 1 X 11G	A 1		(ITEMS 68-7	0 USED ON BRIGGS &	
27	4164506.7	SPACER-CASTER ASM	1		STRATTON I	ENGINES ONLY)	
28	521087	SHAFT	1				
29	4164546.7	GUIDE-BELT, JR	1	71*	524777	FILTER, AIR W/PRE-CLNR	1
30	4163592	DECAL, WARNING HANDS		72*	540374	SPARK ARESTOR W/SCRW	V 1
31	64163-55	WASHER .328X.75X14 GA	5	73*	4163971	SPARK PLUG-EU	1
32	64141-13	NUT WLF 1/2-13	2		(ITEMS 71-7	3 USED ON HONDA ENGINE	ES
33	520773.7	BRACKET	1		ONLY)		
34	4163910.7	BRACKET, BELT GUARD, TO)P 1				
35	524473.2	PLATE, ENGINE MOUNT	1	74	48228A	CABLE CLIP-INSULATED	3
36	64139-02	BLT-WLF 1/4-20X1/2	2				
37	4163914	S-GUARD ASSY	1				
38	4164782	S-WLDMT, REAR WHL SPI	RT 1		* N(OT ILLUSTRATED	
	(ITEMS 13 &	15 INCLUDED)					
39	4164477.7	WLDMT-CLEVIS	1				
40	831888	SWIVEL	1				
41	831889	WASHER,SWIVEL	1				
42	831890	SCRW, SWIVEL THROTTLE	Ξ 1				
		D ON HONDA ENGINES ON					
43	545380.2	GUIDE AY, BELT	1				
44	64123-87	BOLT-HEX 3/8-16X1-3/4	2				
45	4164580.7	BRKT-BELT GUARD, BTTM					
46	540244.2	GUARD AY, FRONT	1				
			•				

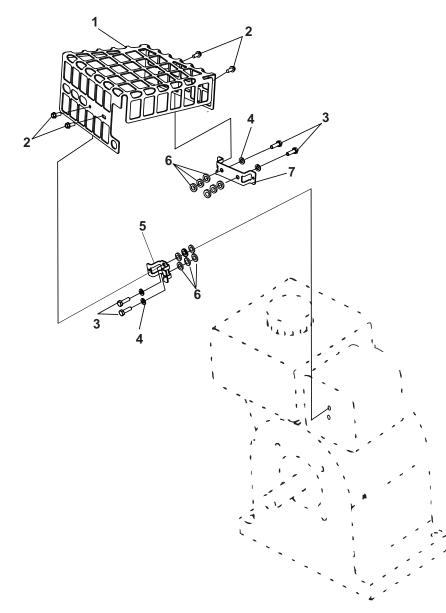
FIGURE 2

JR SOD CUTTER

HONDA MUFFLER GUARD



BRIGGS & STRATTION MUFFLER GUARD



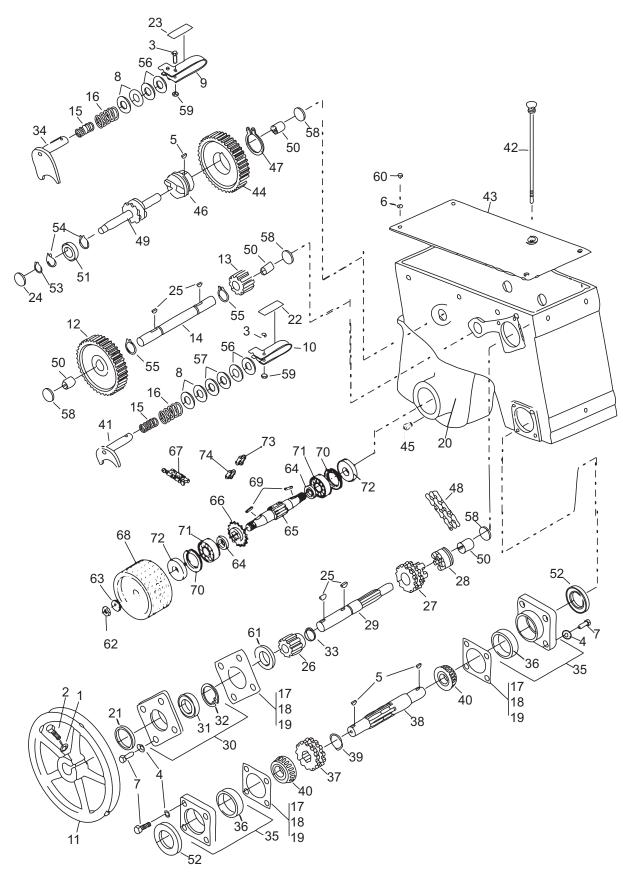
MUFFLER GUARDS

JR SOD CUTTER

ITEN	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1		GUARD-MUFFLER B&S ON B&S MODELS ONLY)	1				
2 3 4 5	64006-01 4160484.7	SCREW-HS STAP #12X1/2 BLT-METRIC M6-1.00X20 LOCKWSHR-1/4 HELICAL BRKT-MUFFLER GRD VEI N B&S MODELS ONLY)	4 4				
6 7	4160485.7	WSHR .321/.328X.608X11GA BRKT-MUFFLER GRD HO N B&S MODELS ONLY)	12 RZ 1				
8	4163902.7 (USED ON	GUARD-MUFFLER HOND HONDA MODELS ONLY)	A 1				
`	64207-08 4163904 NTAINS ALL 1 JNT ITEM 8)	NUT-HEX M58 EDGE LOO KIT-MUFFLER, HONDA HE HONDA PARTS NEEDE					

GEAR CASE

JR SOD CUTTER



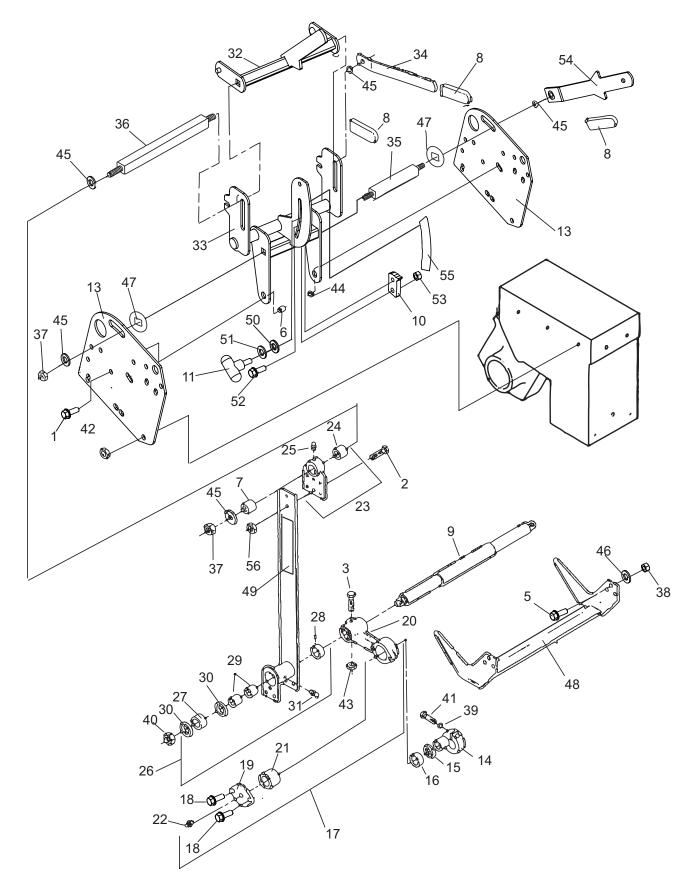
GEAR CASE

JR SOD CUTTER

1 64006-03 WSHR, 3/8 HELICAL LOCK 1 43 546037.7 COVER AY, GEAR CASE 1 2 64123-67 BLT-HEX 3/8-16X2 1 44 519404 GEAR, DRIVE 1 3 64123-80 BLT-HEX 1/4-20X1-1/4 2 (INCLUDES ITEMS 45-47) 1 4 64006-02 LCKWSHER-HELICAL 5/16 12 (INCLUDES ITEMS 45-47) 1 5 64164-19 KEY WOODRUFF.19X.75 #9 3 45 548775 PLUG.25-18NPTF HS 1 6 64006-01 LOCKWASHER-1/4 HELICAL 4 46 516222 HUB 1 7 64123-68 BOLT-HEX 5/16-18X1 12 47 548329 RING,EXT LOCK 1.61ID.06T 1 8 515891 SHIM.64 1.25.010 YS 4 48 546937 CHAIN, #50 DOUBLE 1 9 515896.7 HANDLE-WHEEL SHIFTER 1 49 547427 SPROCKET & SHAFT AY 1 10 515897.7 HANDLE-BLADE SHIFTER 1 53 548321 RING,EXT RET.561D.037 1 11 515901.7 PULLEY
3 64123-80 BLT-HEX 1/4-20X1-1/4 2 (INCLUDES ITEMS 45-47) 4 64006-02 LCKWSHER-HELICAL 5/16 12 5 5 64164-19 KEY WOODRUFF.19X.75 #9 3 45 548775 PLUG.25-18NPTF HS 1 6 64006-01 LOCKWASHER-1/4 HELICAL 4 46 516222 HUB 1 7 64123-68 BOLT-HEX 5/16-18X1 12 47 548329 RING,EXT LOCK 1.611D.06T 1 8 515891 SHIM,64 1.25.010 YS 4 48 546937 CHAIN, #50 DOUBLE 1 9 515896.7 HANDLE-WHEEL SHIFTER 1 49 547427 SPROCKET & SHAFT AY 1 10 515897.7 HANDLE-BLADE SHIFTER 1 50 548080 BRG.NDL.75 1.00.75 4 11 515901.7 PULLEY 1 51 548096 BRG,BALL.59 1.38.43 "SS" 1 12 516145 GEAR 1 52 548272 SEAL,OIL 1.00 SHAFT 2 13 516150 GEAR 1 53 548323 RING,EXT RET.56ID.037 1 14
4 64006-02 LCKWSHER-HELICAL 5/16 12 5 64164-19 KEY WOODRUFF.19X.75 #9 3 45 548775 PLUG.25-18NPTF HS 1 6 64006-01 LOCKWASHER-1/4 HELICAL 4 46 516222 HUB 1 7 64123-68 BOLT-HEX 5/16-18X1 12 47 548329 RING,EXT LOCK 1.61ID.06T 1 8 515891 SHIM,64 1.25.010 YS 4 48 546937 CHAIN, #50 DOUBLE 1 9 515896.7 HANDLE-WHEEL SHIFTER 1 49 547427 SPROCKET & SHAFT AY 1 10 515897.7 HANDLE-BLADE SHIFTER 1 50 548080 BRG.NDL.75 1.00.75 4 11 515901.7 PULLEY 1 51 548096 BRG,BALL.59 1.38.43 "SS" 1 12 516145 GEAR 1 52 548272 SEAL,OIL 1.00 SHAFT 2 13 516150 GEAR 1 53 548323 RING, INTRNL RETAINING 2 2 15 516194 SPRING 2 <t< td=""></t<>
5 64164-19 KEY WOODRUFF.19X.75 #9 3 45 548775 PLUG.25-18NPTF HS 1 6 64006-01 LOCKWASHER-1/4 HELICAL 4 46 516222 HUB 1 7 64123-68 BOLT-HEX 5/16-18X1 12 47 548329 RING,EXT LOCK 1.61ID.06T 1 8 515891 SHIM,.64 1.25.010 YS 4 48 546937 CHAIN, #50 DOUBLE 1 9 515896.7 HANDLE-WHEEL SHIFTER 1 49 547427 SPROCKET & SHAFT AY 1 10 515897.7 HANDLE-BLADE SHIFTER 1 50 548080 BRG.NDL.75 1.00.75 4 11 515901.7 PULLEY 1 51 548096 BRG,BALL.59 1.38.43 "SS" 1 12 516145 GEAR 1 52 548272 SEAL,OIL 1.00 SHAFT 2 13 516150 GEAR 1 53 548323 RING, INTRNL RETAINING 2 14 516156 SHAFT 1 54 548324 RING,EXT RET.6911D 2 15 51
6 64006-01 LOCKWASHER-1/4 HELICAL 4 46 516222 HUB 1 7 64123-68 BOLT-HEX 5/16-18X1 12 47 548329 RING,EXT LOCK 1.61ID.06T 1 8 515891 SHIM,.64 1.25.010 YS 4 48 546937 CHAIN, #50 DOUBLE 1 9 515896.7 HANDLE-WHEEL SHIFTER 1 49 547427 SPROCKET & SHAFT AY 1 10 515897.7 HANDLE-BLADE SHIFTER 1 50 548080 BRG.NDL.75 1.00.75 4 11 515901.7 PULLEY 1 51 548096 BRG,BALL.59 1.38.43 "SS" 1 12 516145 GEAR 1 52 548272 SEAL,OIL 1.00 SHAFT 2 13 516150 GEAR 1 53 548321 RING,EXT RET.66ID.037 1 14 516156 SHAFT 1 54 548323 RING, INTRNL RETAINING 2 15 516194 SPRING 2 55 548324 RING,EXT RET.691ID 2 16
7 64123-68 BOLT-HEX 5/16-18X1 12 47 548329 RING,EXT LOCK 1.61ID.06T 1 8 515891 SHIM,.64 1.25.010 YS 4 48 546937 CHAIN, #50 DOUBLE 1 9 515896.7 HANDLE-WHEEL SHIFTER 1 49 547427 SPROCKET & SHAFT AY 1 10 515897.7 HANDLE-BLADE SHIFTER 1 50 548080 BRG.NDL.75 1.00.75 4 11 515901.7 PULLEY 1 51 548096 BRG,BALL.59 1.38.43 "SS" 1 12 516145 GEAR 1 52 548272 SEAL,OIL 1.00 SHAFT 2 13 516150 GEAR 1 53 548323 RING, INTRNL RETAINING 2 14 516156 SHAFT 1 54 548323 RING, EXT RET.691ID 2 15 516194 SPRING 2 55 548324 RING,EXT RET.691ID 2 16 516196 SPRING 2 56 548477 WASHER 4 17 520238 SHIM.005 (.13MM) A/R
8 515891 SHIM, 64 1.25.010 YS 4 48 546937 CHAIN, #50 DOUBLE 1 9 515896.7 HANDLE-WHEEL SHIFTER 1 49 547427 SPROCKET & SHAFT AY 1 10 515897.7 HANDLE-BLADE SHIFTER 1 50 548080 BRG.NDL.75 1.00.75 4 11 515901.7 PULLEY 1 51 548096 BRG,BALL.59 1.38.43 "SS" 1 12 516145 GEAR 1 52 548272 SEAL,OIL 1.00 SHAFT 2 13 516150 GEAR 1 53 548321 RING,EXT RET.56ID.037 1 14 516156 SHAFT 1 54 548323 RING, INTRNL RETAINING 2 15 516194 SPRING 2 55 548324 RING,EXT RET.691ID 2 16 516196 SPRING 2 56 548477 WASHER 4 17 520238 SHIM.005 (.13MM) A/R 57 548482
9 515896.7 HANDLE-WHEEL SHIFTER 1 49 547427 SPROCKET & SHAFT AY 1 10 515897.7 HANDLE-BLADE SHIFTER 1 50 548080 BRG.NDL.75 1.00.75 4 11 515901.7 PULLEY 1 51 548096 BRG.BALL.59 1.38.43 "SS" 1 12 516145 GEAR 1 52 548272 SEAL,OIL 1.00 SHAFT 2 13 516150 GEAR 1 53 548321 RING,EXT RET.56ID.037 1 14 516156 SHAFT 1 54 548323 RING, INTRNL RETAINING 2 15 516194 SPRING 2 55 548324 RING,EXT RET.691ID 2 16 516196 SPRING 2 56 548477 WASHER 4 17 520238 SHIM .005 (.13MM) A/R 57 548482 PLUG,EXPANSION 1.25 YS 4 18 520239 SHIM .010 (.25MM) A/R 58 548482 PLUG,EXPANSION 1.25 YS 4
10 515897.7 HANDLE-BLADE SHIFTER 1 50 548080 BRG.NDL.75 1.00.75 4 11 515901.7 PULLEY 1 51 548096 BRG,BALL.59 1.38.43<"SS"
11515901.7PULLEY151548096BRG,BALL.591.38.43"SS"112516145GEAR152548272SEAL,OIL1.00SHAFT213516150GEAR153548321RING,EXT RET.56ID.037114516156SHAFT154548323RING, INTRNL RETAINING215516194SPRING255548324RING,EXT RET.691ID216516196SPRING256548477WASHER417520238SHIM .005 (.13MM)A/R57548478WSHR,.6411.188.04 YS FLT518520239SHIM .010 (.25MM)A/R58548482PLUG,EXPANSION 1.25 YS4
12 516145 GEAR 1 52 548272 SEAL,OIL 1.00 SHAFT 2 13 516150 GEAR 1 53 548321 RING,EXT RET.56ID.037 1 14 516156 SHAFT 1 54 548323 RING, INTRNL RETAINING 2 15 516194 SPRING 2 55 548324 RING,EXT RET.691ID 2 16 516196 SPRING 2 56 548477 WASHER 4 17 520238 SHIM .005 (.13MM) A/R 57 548478 WSHR,.641 1.188.04 YS FLT 5 5 18 520239 SHIM .010 (.25MM) A/R 58 548482 PLUG,EXPANSION 1.25 YS 4
13 516150 GEAR 1 53 548321 RING,EXT RET.56ID.037 1 14 516156 SHAFT 1 54 548323 RING, INTRNL RETAINING 2 15 516194 SPRING 2 55 548324 RING,EXT RET.691ID 2 16 516196 SPRING 2 56 548477 WASHER 4 17 520238 SHIM .005 (.13MM) A/R 57 548478 WSHR,.641 1.188.04 YS FLT 5 5 18 520239 SHIM .010 (.25MM) A/R 58 548482 PLUG,EXPANSION 1.25 YS 4
14 516156 SHAFT 1 54 548323 RING, INTRNL RETAINING 2 15 516194 SPRING 2 55 548324 RING, EXT RET.691ID 2 16 516196 SPRING 2 56 548477 WASHER 4 17 520238 SHIM .005 (.13MM) A/R 57 548478 WSHR,.641 1.188.04 YS FLT 5 18 520239 SHIM .010 (.25MM) A/R 58 548482 PLUG,EXPANSION 1.25 YS 4
15516194SPRING255548324RING,EXT RET.691ID216516196SPRING256548477WASHER417520238SHIM .005 (.13MM)A/R57548478WSHR,.641 1.188.04 YS FLT 518520239SHIM .010 (.25MM)A/R58548482PLUG,EXPANSION 1.25 YS 4
16 516196 SPRING 2 56 548477 WASHER 4 17 520238 SHIM .005 (.13MM) A/R 57 548478 WSHR,.641 1.188.04 YS FLT 5 58 18 520239 SHIM .010 (.25MM) A/R 58 548482 PLUG,EXPANSION 1.25 YS 4
17 520238 SHIM .005 (.13MM) A/R 57 548478 WSHR,.641 1.188.04 YS FLT 5 18 520239 SHIM .010 (.25MM) A/R 58 548482 PLUG,EXPANSION 1.25 YS 4
18 520239 SHIM .010 (.25MM) A/R 58 548482 PLUG, EXPANSION 1.25 YS 4
20 520671.7 GEARCASE 1 60 548726 SCRW,.25-20.75 YS RS 4 21 521941 SPACER,1.00 1.12.66 1 61 4139759 SPACER-GEAR 1
22 524485 DECAL, BLADE SHIFTER 1 62 307665 NUT .75-16 YS HX JAM 2
23 524486 DECAL, WHEEL SHIFTER 1 63 309799 LWSHR .75 ZS SHKPRF 2
24 548931 PLUG,EXPANSION 1.75 YS 1 64 520722 SPACER 22
25 64164-28 KEY-#808 WOODRUFF 4 65 520723 SHAFT 2
26 4139758 GEAR 1 66 545626 SPROCKETAY 1
27 516162 SPROCKET, CLUTCH 1 67 547398 CHAIN AY #50 RLR 1
28 516172 CLUTCH 1 68 547408.7 WHEEL AY 12IN 2
29 516173 SHAFT 1 (USED ON 744844H & 744944C ONLY)
30 544215 CAGE ASSY, BEARING 1 547424.7 WHEEL AY 18IN
(INCLUDES ITEMS 31, 32) (USED ON 744845H & 744945C ONLY)
69 64164-10 KEY 1/4X1-1/4 SQ 2
31 548131 BRG,BALL 1.00 2.00.50 "DA" 1 70 548952 RING INTERNAL RETAINING 2
32 548326 RING,INT RET 2.210D.06 1 71 548953 BRG-BALL 1.38 2.83.67 2
33 548327 RING-LOCK 1 72 548954 SEAL-OIL 1.38 SHAFT 2
34 544217.7 SHIFTER AY 1 73 548480 LINK-HALF A/
35 545050 CAGE AY, BEARING 1 74 4117675 LINK-#50 CONNECTOR A/
(INCLUDES ITEM 36) 75 4164641 ASSY-GEARCASE 12"
4164642 ASSY-GEARCASE 18"
36 814474 CUP,TPRD RLR BRG 1 (INCLUDES ITEMS 1-74)
37 516160 SPROCKET 1
38 521253 SHAFT-ECCENTRIC 1
39 548336 LOCK RING (KC) 1
40 814473 CONE,TPRD RLR BRG 1.00 2
41 545710 SHAFT AY 1
42 546033.7 DIPSTICK AY 1

SIDE ARMS, PITMAN ARMS AND HANDLES

FIGURE 4



JR SOD CUTTER

SIDE ARMS, PITMAN ARMS AND HANDLES

JR SOD CUTTER

FIGURE 4

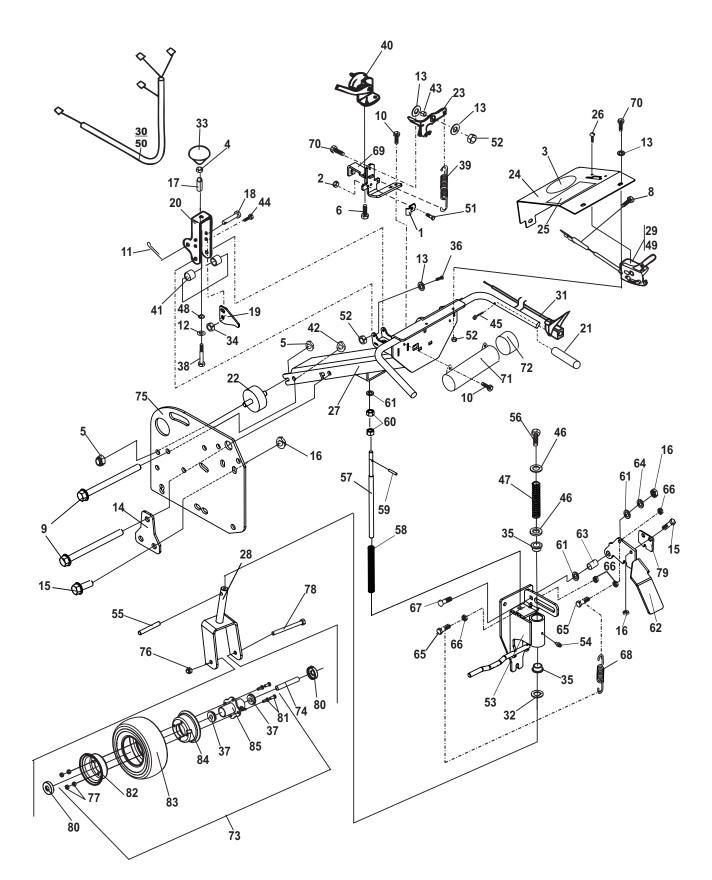
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ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	Ω ΤΥ
1	64123-50	BOLT-HEX 3/8-16X1	2	28	521438	GREASE SEAL	1
2	64123-107	BOLT-HEX 5/16-18X7/8	4	29	548138	BRG,NDL.88 1.12 1.00	2
3	64123-61	BLT-HEX 5/16-18X1-3/4	2	30	548340	LOCK RING (KC)	2
4	328018	SCRW,.44-14 1.12 YS HX	6	31	85010N	ZERK-1/4 28 STR SFTH	4
5	515011	SCRW,.31-24 1.00 ZS HX	6	32	4164541.2	WLDMT-LEVER	1
6	515729	BUSHING	2	33	4164682	S-H-FRAME W/DECAL	1
7	516067	BUSH,STL.515X.874X1.015	2		(INCLUDES	TEM 55)	
8	4135868	COVER,HANDLE	3				
9	521435.7	SHAFT, LOWER	1	34	545449.2	HANDLE AY	1
10	4164446	PLATE-ADJUSTMENT STO	P 1	35	524549	ROD, TIE LOWER	1
11	4114727	KNOB-SPEED CONTROL	1	36	524550	ROD, TIE UPPER	1
12	4164484	LABEL-CUT DEPTH, JR	1	37	64151-7	LOCKNUT, 1/2-13 HEX	2
13	4164384.2	BRACKET, PIVOT	2	38	64025-03	NUT-HEX 5/16-24	6
14	4164681	S-ECCENTRIC ASSY	2	39	64006-16	LOCKWSHR-5/16 HI-COLLAR	2
	(INCLUDES	ITEMS 15 & 16)		40	64151-27	NUT-HEX 1/2-20 EDGE LOCK	
				41	800513	SCRW-SCKT 5/16-18-1-1/4	2
15	521424	RING	1	42	548056	NUT, 44-14 YS HX UNITORO	26
16	548814	RACE, INNER	1	43	64268-02	NUT-FL NYLN LCK 5/16-18	2
17	545437	ARM AY	2	44	64268-03	NUT-FL NYLN LCK 3/8-16	5
	(INCLUDES	ITEMS 18-22)		45	64163-99	WSHR510X1.31X.179	6
				46	64006-02	LOCKWSHR-HELICAL 5/16	6
18	64197-025	BLT-TDFM 1/4-20X5/8	2	47	4113281	WASHER, SPCL .531 SQ	2
19	521425.2	PLATE - COVER	1	48	4132717.7	BLADE-SOD CUTTER, 18"	1
20	521427	ARM, PITMAN	1		546182.7	BLADE-SOD CUTTER 12"	
21	521428	BRG,NDL 1.25 1.62 1.06	1				
22	85010-03	FITTING (KC)	2	49	4163589	LABEL-CHF VERT	2
23	545443.2	BRACKET AY	2	50	2308066	WASHER-FIBER	1
	(INCLUDES	ITEMS 24, 25		51	64163-31	WSHR-15-64X1X12GA	1
				52	64018-7	BLT-CRG 3/8-16X1/1/4	1
24	521429	BRONZE BEARING	1	53	64268-03	NUT-FL NYLON 3/8-16	1
25	85010N	ZERK-GREASE	1	54	4164570.2	WLDMT-HANDLE	1
26	4163915	ARM AY, SIDE	2	55	4164484	LABEL-CUT DEPTH	1
	(INCLUDES	ITEMS 27-31, 49)		56	64141-9	BLT-WLF 5/16-18 CL	4
27	521436	BALL BEARING	1				

27

HANDLEBAR ASSEMBLY

JR SOD CUTTER



HANDLEBAR ASSEMBLY

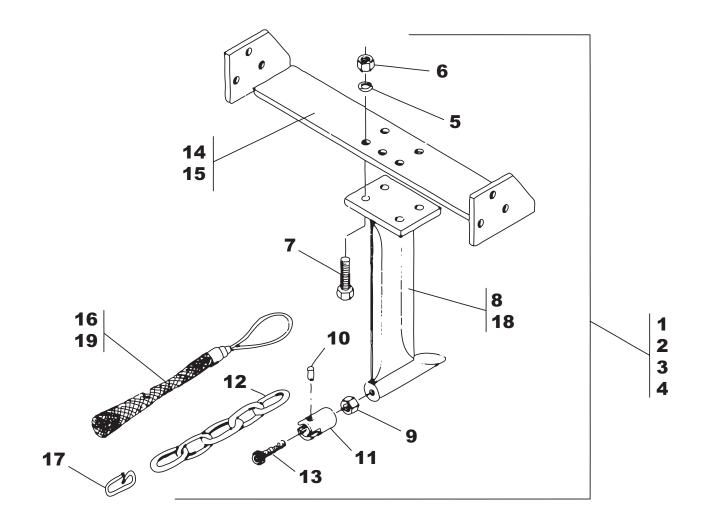
JR SOD CUTTER

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	ΥΤ Ω
1	111898	CLAMP,CABLE	1	46	64163-84	WSHR-1.015 X 1.75 X.125	2
2	64025-15	NUT-HEX #10-24 KEPS	1	47	4164551	SPRING-COMP, 1.06X1.28X1	1
3	4161125	LABEL-RYAN	1	48	64163-61	WSHR .81X.406X16GA	1
4	64025-04	NUT-WLF 3/8-16	1	49	4163186-01	CONTROL, THROTTLE 38.5	1
5	64141-4	LCKWSHER-HELICAL 5/16	8		(USED ON B	& S MODELS ONLY)	
6	64197-015	BLT-TDFM 10-32X1/2 TOR	〈 2				
7	64262-006	BLT-FLG HD 5/16-18 X 3/4	4	50	4163183	HARNESS-JR SOD B&S	1
8	64197-023	BLT-TDFM 10-32 X 3/4	1		(USED ON B	& S MODELS ONLY)	
(USE	D FOR BRIG	GS THROTTLE CABLE CLAN	/IP)				
				51	64152-46	SCREW-SLT HH 10-24X1/2	1
9	64123-266	BLT-HEX 3/8-16X7	2	52	64229-01	NUT-NYLON 1/4-20	7
10	64197-025	BLT-TDFM 1/4-20X5/8	4	53	4164782	S-WLDMT,REAR WHLASSY	′ 1
11	64140-1	COTTER PIN-1/8X1	1		(INCLUDES I	TEMS 35 & 54)	
12	64006-03	WSHR, 3/8 HELICAL LOCK					
13	64163-03	WSHR256IDX620DX18G/		54	85010N	ZERK-1/4-28 SEKF THRD	1
14	4164473.2	PLATE-BOLT CENTERING	2	55	4164454	ROD-CASTER LIMITER	1
15	64123-50	BLT-HEX 3/8-16X1	6	56	64123-15	BLT-HEX 3/8-16X3/4	1
16	64268-03	NUT-FL NYLON LOCK 3/8-1		57	4164456	HANDLE-ROD SUPPORT	1
17	516544	BUSHING (PLATING)	1	58	4164606	SPRING-COMP, .75x11.75	1
18	64188-64	PIN-CLEVIS 3/8 X 1.75	1	59	64176-11	ROLL PIN-3/16 X 1	1
19	4164519.7	FLAT-SWITCH ACTIVATION		60	64025-19	NUT-HEX 1/2-13	2
20	522585.7	HANDLE, CONTROL	1	61	64163-67	WSHR516X1X12GA	3
21	522727	GRIP, HANDLE	2	62	4164779.7	BRKT-LOCKING, STRAIGHT	
22	4164514	ISOLATOR-3/4X2 W/2 STUDS		63	518438	BUSHING-STL .39X.5X.359	1
23	524472	ARM, PIVOT (PLATING)	1	64	64163-31	WSHR-25/64X1X1/2	1
24	4164684	S-CONTROL PANEL EU	1	65	64123-07	BLT-HEX 1/4-20X1-1/2	2 4
25	4163587	LABEL-CONTROL PANEL	1	66	64025-01	NUT-HEX 1/4-20	
26 27	64152-18	SCR 8-32 X 3/8 S-TAP	2 1	67 68	64018-7 4164627	BLT-CRG 3/8-16X1-1/4	1 1
27 28	4164418.7 4164579.7	WLDMT-HANDLE, JRSOD WLDMT-YOKE	1	69	4164475.7	SPRING-EXTENSION BRKT-MOUNTING	1
20 29	540326	CONTROL ASSY, THROTTL	•	70	64123-89	BLT-HEX 1/4-20X3/4	5
29		ONDA MODELS ONLY)		70	4129802	TUBE-DOCUMENT	1
	(USED ON II	ONDA MODELS ONET)		72	38061A	CAP-VINYL	1
30	540229	WIRE AY	1	73	2722681	ASY-9"WHEEL	1
50		ONDA MODELS ONLY)	1	13		TEMS 37,77, 81-85)	1
		ONDAMODELS ONET)				TEMO 37,77, 01-03)	
31	540232	CONTROL AY, KILL SWITC	Н 1	74	2722230-04	SPANNER	1
32	64163-07	WSHR 1-1/32X1-3/4X1/4	1	75	4164384.2	BRACKET, PIVOT	2
33	548171	KNOB	1	76	64229-05	LOCKNUT-NYLON 1/2-13	1
34	64141-6	NUT, 5/16-18	2	77	64141-1	NUT-WLF 5/16-24	4
35	4129801	BSHNG-FLNGD SINTRD IR		78	64123-166	BLT-HEX 1/2-13 X 5-1/2	1
36	64189-20	BLT-HEX SOC 1/4-20X5/8	2	79	4164780.7	BRACKET-ADJUSTER	1
37	2722682	BEARING-9IN WHEEL	2	80	2722591	SPACER-3/4 BEARING	2
38	64123-270	BLT-HEX 3/8-24X2-1/4	1	81	64123-01	BLT-HEX 5/16-24X3/4	4
39	805421	SPRING, EXTENSION	1	82	2720645	S-WHL HALF, VALVE SD	1
40	806800	SWITCH, STOP LIGHT	1	83	38504	S-TIRE 9X3.5-4 SMOOTH	1
41	524577	BUSHING, .328X.63X.41	2	84	2720644	S-WHEEL HALF	1
42	64151-18	NUT-CENTER LOCK 3/8-16		85	2722680	HUB-9" WHEEL W/BRGS	1
43	814585	BUSHING	1				
44		BOLT-WLH 5/16-18X5/8	2				
	64139-06	DOLI-WLII J/10-10/0/0	~				

MOLE BLADE KIT

FIGURE 6

JR SOD CUTTER

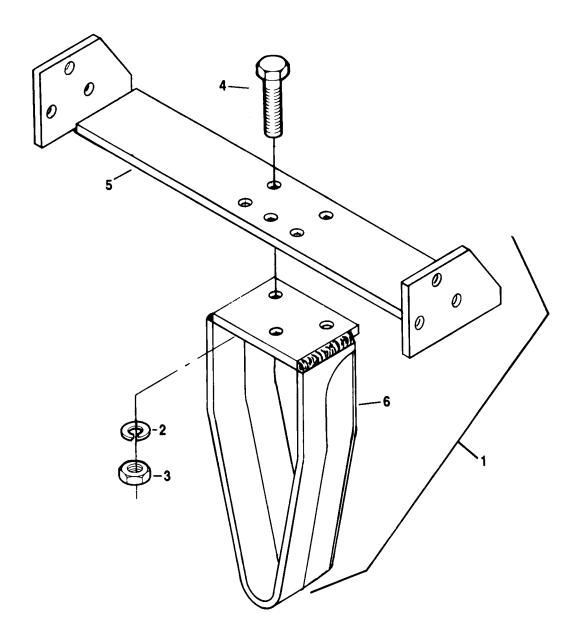


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MOLE BLADE KIT

JR SOD CUTTER

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1		MOLE BLADE KIT- 3/4" 44844H & 744944C) ITEMS 14 & 16-17)	1				
2		MOLE BLADE KIT- 3/4" 44845H & 744945C) TEMS 13 & 15-17)	1				
3		MOLE BLADE KIT- 1-1/4" 44844H & 744944C) TEMS 7, 9-14 & 17-19)	1				
4		MOLE BLADE KIT- 1-1/4" 44845H & 744945C) ITEMS 5-7, 9-13, 15, & 17-19	1				
5 6 7 8		WSHR, 3/8 HELICAL LOCK NUT-3/8-24 HEX BLT-HEX 3/8-24X1-1/4 BLADE AY, MOLE 3/4" TEMS 9-13)	4 4 4 1				
9 10 11 12 13 14	64025-02 316943 515691 547052 800513 546089 (USED ON 7	NUT-HEX 5/16-18 PIN,SPIROL.250.750 PS SWIVEL CHAIN AY SCREW-SCKT 5/16-18-1-1/ BRACKET,12"-MOLE BLAD 44844H & 744944C)					
15	546092 (USED ON 74	BRACKET,18"-MOLE BLAD 44845H & 744945C)	E 1				
16	548613 (USED ON IT	KELLEM GRIP TEMS 1 & 2)	1				
17 18	808222 544692 (INCLUDES	LINK,CHAIN CONN BLADE AY, MOLE 1-1/4" ITEMS 9-13)	1 1				
19	548616 (USED ON IT	KELLEM GRIP TEMS 3 & 4)	1				



TRENCHING BLADE

JR SOD CUTTER

FIGURE 7

ITEN	I PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	546199 (INCLUDES MODEL 7448		1				
2 3 4 5 6	64006-03 64025-04 64123-21 546089 546198	WSHR, 3/8 HELICAL LO NUT-3/8-24 HEX BLT-HEX 3/8-24X1-1/4 BRACKET,12"-MOLE BL/ BLADE AY,TRENCHING	3 3				
	parts for insta sodcutters.	trenching blade set include allation on earlier model Discard any parts not requi n model 744844C and new	red for				

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