

OPERATOR'S MANUAL MAINTENANCE MANUAL PARTS LIST

TURFCO® Pro Lite Sod Cutter

Product Numbers 85506 and 85507

85506 - Honda Engine, Starting Serial Number 097001 85507 - Briggs and Stratton Engine, Starting Serial Number 091001

Manual Number 656948



DANGER - IF INCORRECTLY USED THIS MACHINE CAN CAUSE SEVERE INJURY. THOSE WHO USE AND MAINTAIN THIS MACHINE SHOULD BE TRAINED IN ITS PROPER USE, WARNED OF ITS DANGERS, AND SHOULD READ THE ENTIRE MANUAL BEFORE ATTEMPTING TO SET-UP. OPERATE OR SERVICE THE MACHINE.

TURFCO MFG. INC.

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Product Records

IMPORTANT: Record the information from the serial number plate of your Pro Lite Sod Cutter. It will be necessary to furnish your Model Number, Product Number, and Serial Number when ordering parts.

Model Pro Lite Sod Cutter	_
Product Number	Engine Type
Serial Number	Year of Manufacture
Date Purchased	Purchased From

How To Obtain Parts and Service

To order parts, or to arrange repair service, contact the nearest authorized TURFCO dealer. For a list of authorized TURFCO dealers in your area, or for additional information regarding the Pro Lite Sod Cutter, direct inquiries to:

TURFCO Mfg. Inc. 1655 101st. Avenue North East Minneapolis, MN. 55449-4420 USA Telephone (763) 785-1000 FAX (763) 785-0556 E-Mail - service@turfco.com Internet - www.turfco.com To ensure safety and proper operation, always purchase genuine TURFCO replacement parts from an authorized TURFCO dealer. Replacement parts from other sources may damage the Pro Lite Sod Cutter and/or create a safety hazard. Always refer repairs to properly trained service personnel.

DO NOT ALTER the Pro Lite Sod Cutter in any manner. Unauthorized alterations may affect its operation, performance, and may result in injury or death to the operator as well as other individuals in the work area.

Specifications

3

Intended Use: The Pro Lite Sod Cutter is a self—propelled, walk behind sod cutter. The Pro Lite Sod Cutter is intended to be used for the cutting of sod at a properly inspected and prepared worksite. A properly inspected worksite is one that has been inspected for safety and any operational related deficiencies. Deficiencies are anything that may cause damage to the machine, anything that may cause injury to the operator, or anything that may cause injury to bystanders. A properly prepared worksite is one that has had any deficiencies completely corrected. The Pro Lite Sod Cutter is NOT intended to be used for any purpose other than the cutting of sod. The Pro Lite Sod Cutter is NOT designed for or intended to accept riders.

Cutting Speed Up to 75 Feet Per Minute (22.86 Meters Per Minute)

(0.85 MPH - 1.37 Km/h)

Cutting Depth Adjustable To 1–1/2" Inches (38.1 mm)

Blade Angle Adjustable By Moving Rear Wheel

Engines:

85506 5.5 HP (4.10 KWt) Honda

85507 5.0 HP (3.72 KWt) Briggs and Stratton IC

Clutch V-Belt Idler Type

Wheels:

Traction Wheels 7" (17.78 cm) Inch Diameter Cast Iron With Replaceable Rubber Tread

Pro Lite Sod Cutter Dimensions:

Width 23" (58.42 cm)

Height 36" (91.44 cm)

Length 45" (114.3 cm)

Weight 170lbs. (77.11 Kg)

Shipping Weight 200 lbs. (90.72 Kg)

Shipping Dimensions 18-1/4" Wide x 32" High x 35" Long, 11.8 Cubic Feet

(0.46 M Wide x 0.82 M High x 0.89 M Long, 0.34 Cubic Meter)

Registered Trade Marks

TURFCO® is a registered trademark of Turfco Manufacturing, Inc.



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

Recognizing Safety Warning Used in Manual LOOK FOR THE SAFETY HAZARD WARNING SYMBOL



The symbol is used to alert the operator of safety hazards. It is used in conjunction with the words DANGER, WARNING, and CAUTION.



DANGER



WARNING



CAUTION

"DANGER" identified immediate hazards which will result in serious injury or death.
"WARNING" identified potential hazards which could result in serious injury or death.
"CAUTION" identified hazardous situation which may result in minor to moderate injury and/ or could result in damage or destruction of equipment.

General Safety Practices

Safety on the job should always be a top priority. Training and experience are important factors in the safe operation of equipment. Please consider the following information and realize that safe operation is a matter of using common sense as it relates to the machine, its maintenance, the operator, the training, and the operating conditions. These are general safety instructions that apply to most turf maintenance equipment.

TRAINING:

- Always read the manual before operating a machine for the first time.
- Always read the warning decals before operating a machine for the first time.
- Always check the location and use of each control before operating a machine for the first time.
- Practice operating the machine in a safe area with no obstructions until becoming familiar with the controls.
- If you have questions, ask your supervisor or call the factory.

CLOTHING:

- Clothes should be snug fit. Loose fitting clothing is hazardous because it may get caught in the mechanism during service or operation.
- Remove jewelry before operation. Jewelry may get caught in the mechanism.
- Wear shoes that will protect your feet. Sneakers do not protect and do not provide the protection of leather shoes or boots. Steel toed safety shoes should be considered for many situations.
- Hard Hat: The use of a hard hat should be considered when using equipment on a golf course. The danger of being hit by a golf ball should be a major concern as well as protection while operating under trees.
- Eye Protection: Safety glasses and/or face shields should be considered when operating, as well as working in close proximity to high speed rotary equipment. Watch for rotary mowers, edgers, brush

- and string trimmers. Rotary mowers can throw debris at speeds up to 200 mph (320 Km/h).
- Hearing: If the noise level of the equipment is too loud, consider the use of ear protection.
- Do not use stereo headsets during operation. This is a distraction that may lead to an accident. Headsets also make it difficult to hear other people and equipment while operating the machine.
- Respirators: When operating in dusty, windy conditions, wear a respirator. This is also an important consideration if operating equipment while spraying chemicals and fertilizers.
- Gloves: Use gloves when handling sharp or hazardous objects.

THE OPERATOR:

- The operator should never use a machine while under the influence of alcohol or drugs.
- The operator should be aware of the hazards of working in the sun and should take proper precautions to avoid heat stress and dehydration. Use sun screen products when necessary.
- The operator should never attempt to ride a machine that is not designed for that propose. Do not allow others to ride a machine that is not designed for passengers. If designed to carry passengers, do not allow more passengers to ride a machine than the machine was designed to carry.
- Care should always be taken when mounting and dismounting a riding machine. Prevent injuries and falls by making sure the operator does not slip. Unless it is an emergency, do not jump off a machine. Injury may result when an operator's foot slips trying to jump from a machine.
- Do not operate any equipment at unsafe speeds. Speeds should be reduced when turning or operating on slopes. The operator must use common sense to determine a safe speed based on the equipment, the load, the slope, the surface, and other conditions that may affect safe operation.
- The operator must be aware of the conditions around the area. Be aware of other people and machines.

- Beware of slippery conditions. Wet turf can be encountered on slopes, when turning or stopping, or at higher speeds.
- Keep hands and feet away from cutting devices and drive components. Shut off the engine and remove the key or ignition wire when servicing cutting devices or drive components.
- If required to lift, an operator should ask for help if the object is too heavy. The operator should lift with his or her legs instead of the back. Care should be taken to avoid twisting the back while lifting a heavy load.
- · Never allow children to operate the machine.

THE MACHINE:

- Tow vehicles must have adequate tow hitches and brakes to control any towed machine. Check the weight and capacity of the machine that will be towed by that vehicle. Trucks used to carry equipment must have adequate load capacity and brakes. Check the weight and capacity of the machine that will be towed by that vehicle.
- Do not overload machinery. The components are designed for certain weights and capacities. Overloading the machine will cause unsafe conditions
- Make sure the brakes are operating properly.
- Check to assure that all controls are in good operating condition.
- Inspect to insure that all guards are in place. Do not operate a machine without all guards in place.
- Always check the machine to make sure it is in good working order. Do not place hands or feet near moving or rotating parts.
- Check the tire pressure.
- Check the condition of the hydraulic hoses. Leaks and worn hoses should be fixed or replaced before the machine is put into service. Do not use your fingers or hands to check for hydraulic leaks. High pressure leaks can puncture the skin and force oil into the body. This can cause severe injury or death.
- Shut off the engine before servicing the machine. It is best to check machines on a level area. Machines on a slope may roll when the engine is off.
- Do not modify the machine in any manner. Refer unfamiliar repairs and adjustments to mechanics that have been trained to do them properly.
- · Replace decals that are damaged or unreadable.

THE ENGINE:

- Prevent accidental starting by removing the spark plug wire when servicing the engine or the equipment.
 Disconnect the negative wire from the battery terminal if the engine is equipped with an electric starting system.
- Do not strike the flywheel with a hammer or any hard object. This may cause the flywheel to shatter in operation.
- Pull the starter cord slowly until resistance is felt. Then pull the cord rapidly to avoid kickback and to prevent hand or arm injury.

- Do not run the engine in an enclosed area. The exhaust gases contain carbon monoxide, an odorless and deadly poison. The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
- Do not store, spill, or use gasoline near an open flame, nor near an appliance like a stove, furnace, or water heater that uses a pilot light or can create a spark.
- Do not refuel indoors or in an unventilated area.
 Check the fuel level. Do not over fill. Do not add fuel while the machine is hot because spilled fuel may cause a fire. Allow the engine to cool before refueling.
- Do not transport the machine with fuel in the tank.
- Do not remove the fuel tank cap or fill the fuel tank while the engine is hot or running.
- Do not operate the engine if gasoline is spilled, when the smell of gasoline is present, or when other explosive conditions exist. Move the equipment away from the spill and avoid any ignition until the gasoline has evaporated.
- Do not choke the carburetor to stop the engine.
 Whenever possible, gradually reduce the engine speed before stopping.
- Do not tamper with the governor springs, links or other parts to increase the engine speed. Run the engine at the speed set by the equipment manufacturer.
- Do not check for a spark with the spark plug removed.
 Use an approved tester. Use the correct tools to service the machine.
- Do not crank the engine with the spark plug removed.
 If the engine is flooded, place the throttle in fast and crank until the engine starts. Avoid damage to electric starter by cranking intermittently until engine starts.
- Do not operate the machine without a muffler. Inspect the muffler periodically and replace it if it is leaking or worn. Replace it with correct muffler. Do not touch a hot muffler, cylinder, or cooling fin.
- Do not operate the engine with an accumulation of grass, leaves, or other combustible material in the muffler area.
- Keep the cylinder cooing fins and the governor parts free of dirt, grass, and other debris.
- Do not use the engine on any forest covered, brush covered, or grass covered unimproved land unless a spark arrester is installed in the muffler. In the State of California, a spark arrester is required by law. Other states may have similar laws. Federal laws apply on federal lands.
- Do not start the engine with the air cleaner or the air cleaner cover removed.
- Use fresh gasoline. Stale fuel can gum the carburetor and can cause leakage. Check the fuel lines and fittings frequently for cracks and leaks.

This list includes many general safety instructions as they relate to turf equipment. This list does not encompass all hazards. Common sense must always be used to determine the safest way to operate a machine under specific conditions.

Assembly

⚠ WARNING ⚠ '

TO AVOID ACCIDENTAL ENGINE STARTING AND SERIOUS INJURY, Remove the Wire from the Engine Spark Plug.

Read and Follow All Safety Decals and Warnings. Wear The Appropriate Personal Safety Gear.

A CAUTION

DO NOT START ENGINE!! Engine May Have Been Shipped From The Factory Without Oil In The Crankcase.

- 1. Remove the Turf Cutter and all parts from the shipping crate.
- 2. Install the handlebar to the frame.
- 3. Read the engine manufacturer's instructions which are contained in the literature package included with the machine. Fill the engine crankcase with the recommended oil for the expected temperature range. Fill the fuel tank only 3/4 full to avoid spillage during handling and operation.
- 4. Lubricate the Turf Cutter according to the instructions in this manual.

A WARNING A

TO AVOID SERIOUS INJURY, Read and Understand the Entire Operator's Manual Before Operating This Machine.

Lubrication

Check the engine oil level daily. Engine oil should be changed when dirty or contaminated. See the engine manufacturer's instructions for recommended weight and type of oil.

There are 3 grease fittings on the machine which should be lubricated daily with a good quality No. 2 Bentone or Lithium grease.

Two on the eccentric drives, located beneath the frame. One on the jackshaft, located behind the engine.

In addition to these fittings, the Eccentric Bushings should be Greased Daily. A special grease nozzle, part number 656439, is provided for lubricating these bushings. This nozzle is stored in a threaded hole located on the blade lifting handle assembly. To lubricate the bushings, raise the cutting arms to the transport position. A small tapered hole in the end of each eccentric drive pin should be visible through the 3/8" diameter holes near the lower ends of the cutting arms. It may be necessary to rotate the eccentric shaft to align the pins with the holes in the arms. Unscrew the standard nozzle from your grease gun and thread the special nozzle on in its place. Insert the nozzle through the hole in the cutting arm and into the tapered hole in the drive pin and apply grease. Lubricate the eccentric bushings on both sides of the Turf Cutter in this manner. After lubrication, remove the nozzle from your grease gun and store the nozzle in the hole provided.

The $Eccentric\ Guides$ on the inside of each cutting arm should be cleaned and fresh $Grease\ applied\ Daily$.

The roller clutches on the axle are sealed and do not normally require relubrication. If relubrication is necessary, use oil. Do not use grease.

Operation

PREOPERATION CHECK

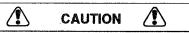
- 1. Check the engine oil level.
- 2. Lubricate the Turf Cutter. Refer to this manual or the decals on the machine.
- 3. Check the fuel level. Allow the engine to cool before adding fuel. Fill the tank only 3/4 full to avoid spillage during handling and operation.
- 4. Disengage the clutch lever.
- 5. Start the engine.

TRANSPORT

- 1. With the clutch disengaged and the engine running, move the blade lift lever to the transport position.
- 2. Move the clutch lever to the engaged position. The Turf Cutter will begin to move forward under its own power.
- 3. Disengage the clutch lever to stop the Turf Cutter when the desired location is reached.

CUTTING SOD

- 1. With the clutch disengaged, select a rear wheel position which provides a blade angle suitable for the turf conditions. A flatter blade angle will reduce vibration in softer turf conditions. A steeper blade angle will improve traction and cutting action in harder ground or deeply rooted turf. Experiment with rear wheel positions to determine what blade angle provides optimum cutting action for your turf conditions.
- 2. Tip the Turf Cutter forward so it rests on the front roller.



Engine Damage May Occur If the Sod Cutter is Tipped Forward For More Than 30 Seconds With the Engine Running.

3. Refer to the chart on the blade lift catch plate. Find the blade angle (A to E) which was selected in step 1. Read across and find the desired depth of cut (.5 to 1.5 inches) and then read up to determine which notch (shallow, normal, deep) will provide the desired depth at the selected blade angle. Move the blade lift handle to this notch.

A WARNING A

TO AVOID SERIOUS INJURY, Keep Hands and Feet Clear of the Blade and Cutting Arms.

- 4. Engage the clutch lever. The cutting arms will oscillate back and forth and the Turf Cutter will move forward.
- 5. Tip the Turf Cutter back. The blade will enter the ground and begin cutting sod.
- 6. To stop cutting, tip the Turf Cutter forward. Disengage the clutch lever and move the blade lift lever to the transport position.

Note: The roller clutch design of the Turfco Pro Lite Turf Cutter permits the machine to be pushed forward for transport with no difficulty. The clutches will not allow the machine to move backward even if the belt clutch is disengaged. If it is necessary to move the machine backward, push down on the handlebar to raise the traction wheels off the ground. Balance the machine on the rear wheel and pull it backward. If space permits, it will be easier to pivot the machine on the rear wheel and push the machine forward rather than pulling it backward.

Stopping The Engine

To stop the engine in an emergency, turn the engine switch to the OFF position. Under normal conditions, use the following proceedure:

- 1. Move the throttle lever fully to the right.
- 2. Turn the engine switch to the OFF position.
- 3. Turn the fuel valve to the OFF position.

Maintenance and Service

. WAR

WARNING 🛕

TO AVOID ACCIDENTAL ENGINE STARTING AND SERIOUS INJURY, Remove the Wire from the Engine Spark Plug.

Read and Follow All Safety Decals and Warnings. Wear The Appropriate Personal Safety Gear.

MAINTENANCE MATERIALS

Part No.	Description	Qty
86410	Grease, High Temp. Bentone No. 2	1 Tube
86411	Grease, High Temp. Bentone No. 2	Case/10 Tubes
656949	Decal Set, Turfco Pro Lite, Complete	1 Set

BLADE

Cutting efficiency will be greatly improved if the blade is kept sharp. A file may be used to sharpen it. File only the top side of the blade, the bottom should be kept flat. The blade should be sharpened before each use. Check the blade mounting bolts frequently during use and tighten as necessary.

PERIODIC TIGHTENING

The oscillating action of the blade is transmitted by the eccentric shaft. Because of the vibration inherent in this shaft and its related components, all bolts and set screws on this shaft should be checked frequently. If loose hardware is found, apply Loctite and tighten securely.

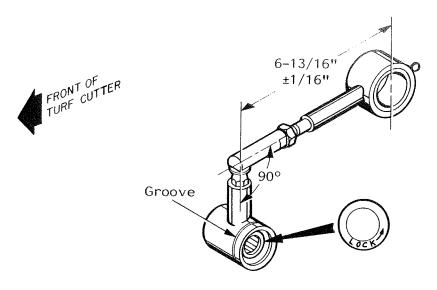
ECCENTRIC BUSHING AND GUIDES

The service life of these components will be maximized if they are kept clean and greased frequently. When servicing, always check to make sure the eccentric guide mounting bolts are tight. As the eccentric bushings and guides wear, clearance between these parts increases. A rapping sound during operation indicates that this clearance has become excessive and the bushings and guides should be replaced.

ECCENTRIC

The eccentric bushings are designed as an economical, easily replaced wear part to protect the drive pin of the eccentrics. Greasing the eccentric bushings daily with the special grease nozzle will greatly extend the life of the eccentrics.

Because the eccentrics fit on a mating taper on the eccentric shaft, a small gear puller should be used if removal of the eccentrics becomes necessary. Remove the socket head cap screw (page 10, item 16) from the end of the eccentric. Replace this screw with a $1/4-20 \times 1-1/2$ " screw. Thread the replacement screw into the end of the eccentric shaft until it bottoms out. Hook the jaws of the gear puller over the back of the eccentric and apply pressure with the gear puller to the replacement screw until the eccentric breaks free from the shaft.



ROLLER CLUTCHES

There are two roller clutches mounted in each wheel clutch housing. They permit the axle to turn freely when the Turf Cutter is pushed forward. They engage and disengage automatically when the belt clutch is engaged. They will not allow the wheels to turn backward even when the belt clutch is disengaged. These clutches are lubricated with oil and sealed. They do not normally require servicing. If lubrication is necessary, use oil. Do not use grease.

If the roller clutches are replaced, the new clutches must be installed with the directional arrows on all the races facing as shown in the illustration above.

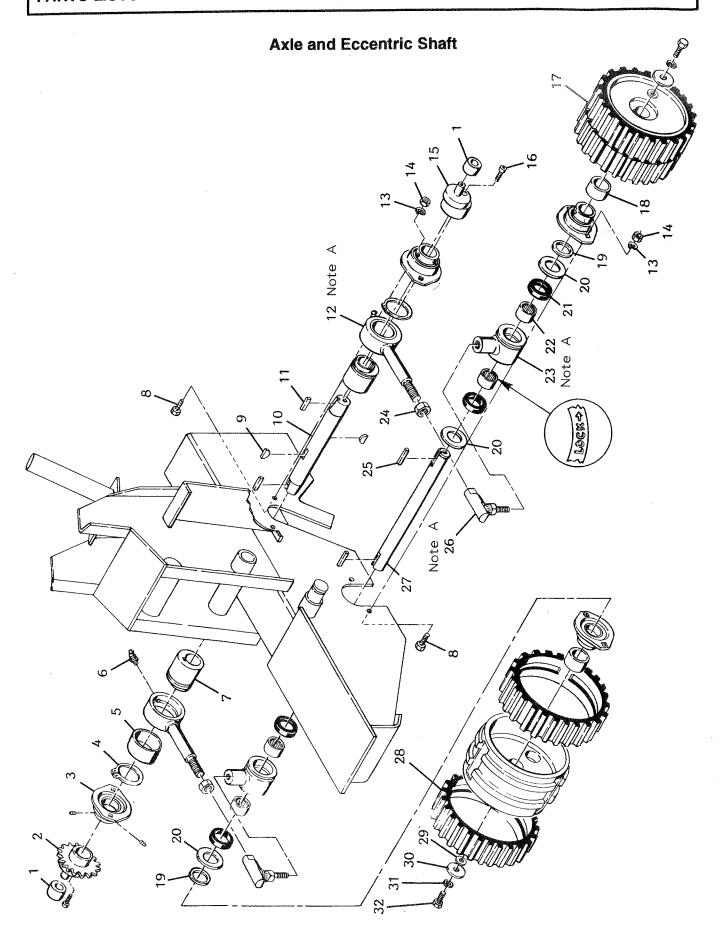
The roller clutch housing assemblies must be installed on the axle with the groove toward the left side of the Turf Cutter.

ROD ENDS

Replacement of the rod ends must be done as follows. Screw the male threaded end of the rod end all the way into the roller clutch housing. Thread the 1/2-20 jam nut all the way onto the drive crank. With the male and female threaded ends of the rod end perpendicular to each other, thread the drive crank into the female threaded end of the rod end until the centerline of the ball joint is 6-13/16" \pm 1/16" from the centerline of the crosshole in the drive crank. Rotate the drive crank until the crosshole in the drive crank is parallel to the crosshole in the roller clutch housing and tighten the jam nut against the rod end.

TRACTION TIRES

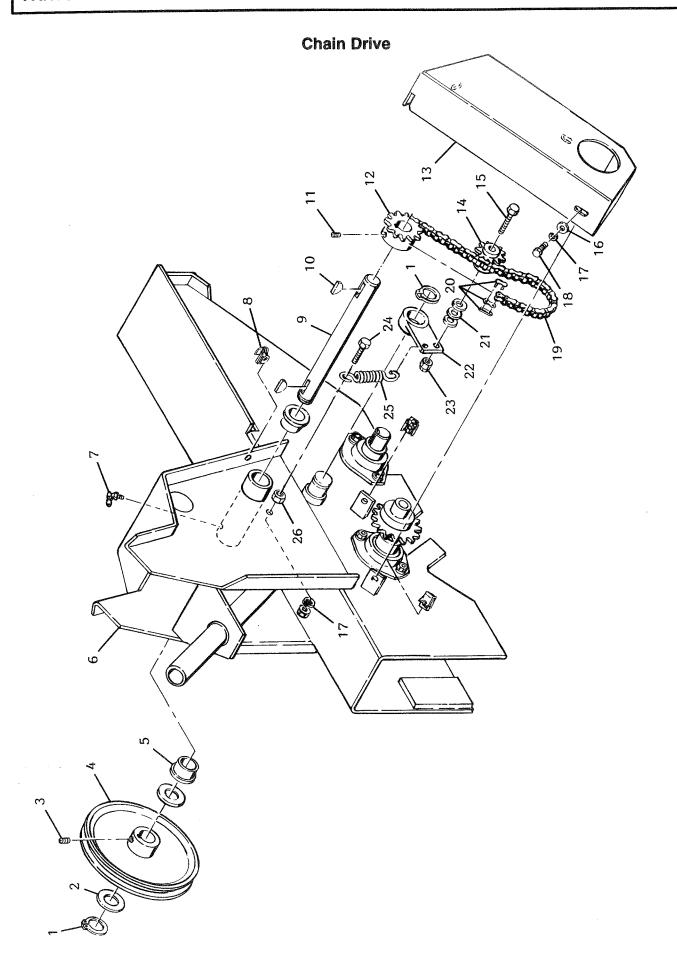
The rubber portion of the traction wheels is replaceable. Worn tires can be cut off with a knife or hacksaw. Warming new tires in hot (140° F) water will increase their elasticity and aid in installation. Replacement tires should be installed with the "O" ID mark and the "656814" part number facing out on both sides of the wheel. This provides the desired offset of the tread pattern between the two tires on a wheel.



Axle and Eccentric Shaft

Qty	0-4000000-0 000-0000044 0000-40000
<u>Description</u>	Bushing, Eccentric Eccentric, RH Bearing, Flange. Includes Set Screws Ring, Retaining, No. 5100-175 Bearing, Oilite, Modified Fitting, Grease, 1/4-28 Straight Eccentric, Wheel Drive Screw, Hex, 5/16-18 x 3/4 Key, Woodruff, 1/4 x 7/8 Shaft, Eccentric Key, Rectangular, 1/4 x 5/16 x 3/4 Crank, Drive. Includes Item 5. See Note A Washer, Lock, 5/16" Nut, 5/16-18 Eccentric, LH Screw, Socket Head Cap, 1/4-20 x 1" Wheel-Tire Assy. Includes Item 28 Spacer, Axle Washer, 1-1/32 ID x 1-1/2 OD x 5/64 Washer, 1-1/16 ID x 2" OD x 1/8 Tk Seal, Oil, CR No. 9838 Clutch, Roller. See Note A Housing, Clutch, Assembly. Includes Items 21 and 22. See Note A Nut, Thin, 1/2-20 Key, 1/4 Square x 1" Rod End, Tourek SR-111. See Note A Axle Nut, Thin, 1/2-20 Key, 1/4 Square x 1" Rod End, Tourek SR-111. See Note A Axle Tire Only Washer, 25/64 ID x 1-1/2 OD x 11/64 Washer, 25/64 ID x 1-1/2 OD x 11/64 Washer, Lock, 3/8"
Part No.	650574 656940 655940 655634 471214 655638 400184 463021 6556939 657118 656942 657123 656942 657123 656942 657123 656942 657055 499424 655646 655646 655646 655646 655646 655646 655646 655643 655646 655643 655646 655646 655643 655646
Item No.	22 22 22 23 33 33 33 33 33 33 33 33 33 3

drive arrows housing Cutter. See page 9 for adjustment of rod end and crank. Roller clutches must be installed with facing as shown in the inset. Groove in clutch h the Turf toward the left side of must Note A:

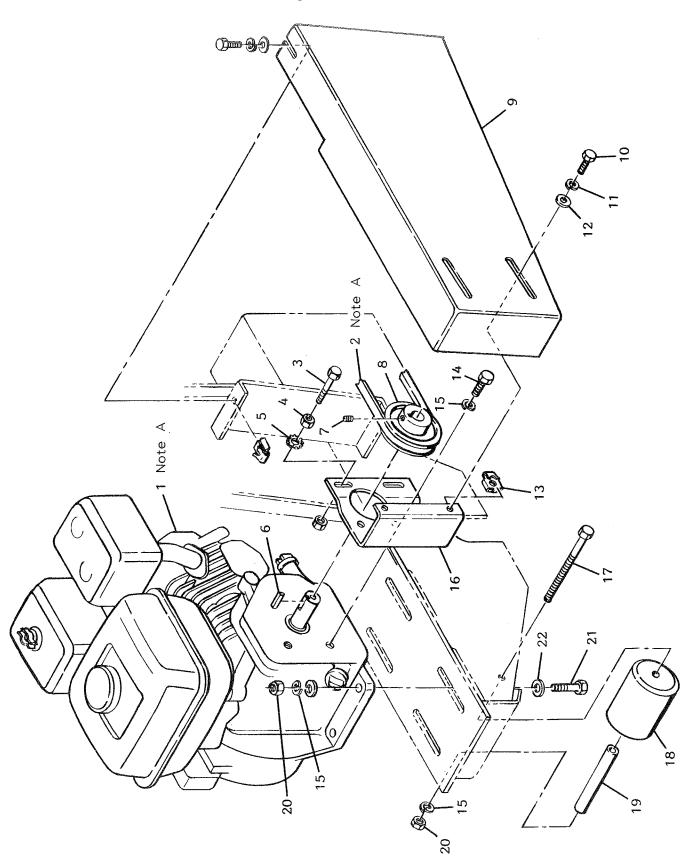


Chain Drive

Qty	N N N N N N N N N N N N N N N N N N N
Description	Ring, Retaining, No. 5100-100 Washer, 1-1/64 ID × 1-3/4 OD × 3/64 Screw, Set, 5/16-18 × 5/16 Pulley, A-650 × 1". Includes Item 3 Bearing, Oilite, No. FF-1213-1 Frame. Includes Item 5 Fitting, Grease, 1/4-28 × 45° Nut, Trap, 1/4-20 Countershaft Key, Woodruff, 1/4 × 7/8 Screw, Set, 5/16-18 × 1/4 Sprocket, 40B12 × 1". Includes Item 11 Guard, Chain Sprocket, Idler, NH S-810 Screw, Hex, 3/8-16 × 2" Washer, 5/16 ID × 3/4 OD × 1/16 Tk Washer, Lock, 1/4" Screw, Hex, 1/4-20 × 5/8 Chain, RC-40 × 46 Pitches. Includes Item 20 Link, Master, RC-40 Washer, 3/8 ID × 7/8 OD × 5/64 Tk Idler, Chain Nut, Thin Flex Lock, 3/8-16 Screw, Hex, 1/4-20 × 1-3/4 Spring, Extension Nut, 1/4-20
Part No.	458021 499128 415533 655621 657078 6557078 6557078 471215 499126 65587 415517 655817 655817 655817 655817 655197 655817 655197 655197 65004 446128 400106 656953 452006 656953 446128
Item No.	222

Note A: Use washers as required to provide proper alignment between idler sprocket and chain.

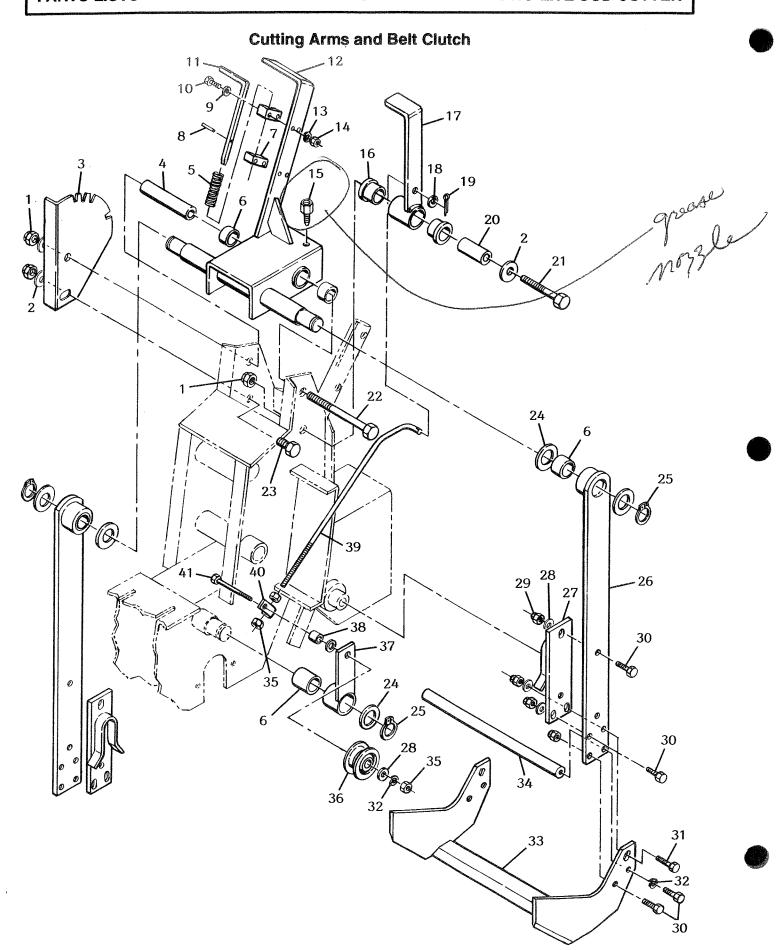
Engine and Guard



Engine and Guard

Qty	04044440C040
Description	Engine. See Note A V-Belt. See Note A Screw, Hex, 1/4-20 x 1-3/4 Nut, 1/4-20 Washer, External Star Lock, 1/4" Key, 3/16 Square x 1-1/2 Screw, Set, 5/16-18 x 5/16 Pulley, AC-31 x 3/4. Includes Item 7 Guard, Belt Screw, Hex, 1/4-20 x 5/8 Washer, Lock, 1/4" Washer, 5/16 ID x 3/4 OD x 1/16 Tk Nut, Trap, 1/4-20 Screw, Hex, 5/16-24 x 3/4 Washer, Lock, 5/16" Bracket, Belt Guard Screw, Hex, 5/16-18 x 4-1/2 Roller Bushing, Roller Nut, 5/16-18 Screw, Hex, 5/16-18 x 1-3/4 Washer, .327 ID x 7/8 OD x 3/32 Tk
Part No.	 400118 443102 447010 499209 415553 655660 600106 446128 452004 499126 400222 446134 655698 655698 655628 443106 400194 499427
Item No.	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

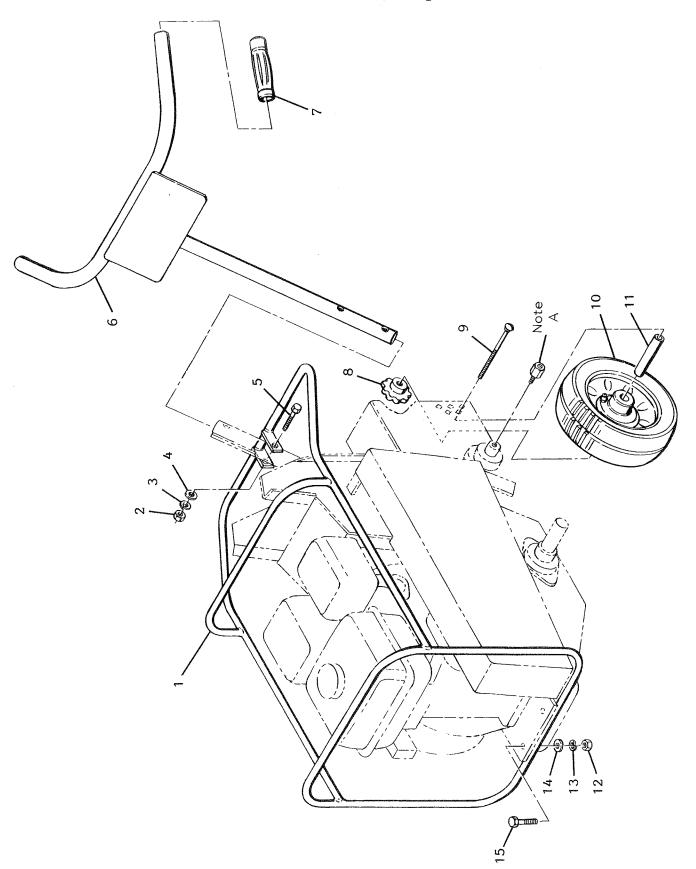
engine 657124. 656510. number of the Honda GX140QX engine is engine uses an A-36 V-belt, part number number of the Briggs & Stratton model number 4013-01 engine is 656806. This an A-38 V-belt, part number 651272. spec. Note A: Part This Part



Cutting Arms and Belt Clutch

Item Part No. No.	Description	Qty
No. No. 1 499035 2 452010 3 655806 4 655794 5 651381 6 654996 7 655393 8 461359 9 452002 10 400152 11 655394 12 655790 13 446128 14 443104 15 656439 16 657078 17 655801 18 499021 19 460014 20 655804 21 400464 22 400460 23 400436 24 499128 25 458021 26 655808 27 655810 28 452006 29 444812 30 400298 31 400300 32 <t< td=""><td>Description Nut, Thin Flex Lock, 1/2-20 Washer, 1/2 ID x 1-1/4 OD x 5/64 Catch Plate Bushing, Lifting Handle Spring, Compression Bearing, Oilite, No. AA-1325-10 Guide, Trigger Rollpin, 1/8 x 3/4 Washer, 1/4 ID x 5/8 OD x 3/64 Tk Screw, Hex, 1/4-28 x 1-1/4 Trigger Handle, Blade Lifting. Includes Item 6 Washer, Lock, 1/4" Nut, 1/4-28 Nozzle, Grease Bearing, Oilite, No. FF-1213-1 Handle, Clutch. Includes Item 16 Washer, 25/64 ID x 5/8 OD x 1/16 Pin, Cotter, 3/32 x 3/4 Bushing, Clutch Handle Screw, Hex, 1/2-20 x 2-3/4 Screw, Hex, 1/2-20 x 7/8 Washer, 1-1/64 x 1-3/4 x 3/64 Ring, Retaining, No. 5100-100 Arm, Cutting. Includes Item 6 Guide, Eccentric Washer, 3/8 ID x 7/8 OD x 5/64 Tk Nut, Flex Lock, 3/8-24 Screw, Hex, 3/8-24 x 1" Screw, Hex, 3/8-24 x 1" Screw, Hex, 3/8-24 x 1-1/4 Washer, Lock, 3/8" Blade Crossbar, Cutting Arm Nut, 3/8-24 Pulley, Idler Arm, Clutch. Includes Item 6 Spacer Bushing Rod, Belt Clutch Control Fitting, Pivot Screw, Hex, 3/8-24 x 2-1/4</td><td>Qty 3 3 1 1 5 2 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td></t<>	Description Nut, Thin Flex Lock, 1/2-20 Washer, 1/2 ID x 1-1/4 OD x 5/64 Catch Plate Bushing, Lifting Handle Spring, Compression Bearing, Oilite, No. AA-1325-10 Guide, Trigger Rollpin, 1/8 x 3/4 Washer, 1/4 ID x 5/8 OD x 3/64 Tk Screw, Hex, 1/4-28 x 1-1/4 Trigger Handle, Blade Lifting. Includes Item 6 Washer, Lock, 1/4" Nut, 1/4-28 Nozzle, Grease Bearing, Oilite, No. FF-1213-1 Handle, Clutch. Includes Item 16 Washer, 25/64 ID x 5/8 OD x 1/16 Pin, Cotter, 3/32 x 3/4 Bushing, Clutch Handle Screw, Hex, 1/2-20 x 2-3/4 Screw, Hex, 1/2-20 x 7/8 Washer, 1-1/64 x 1-3/4 x 3/64 Ring, Retaining, No. 5100-100 Arm, Cutting. Includes Item 6 Guide, Eccentric Washer, 3/8 ID x 7/8 OD x 5/64 Tk Nut, Flex Lock, 3/8-24 Screw, Hex, 3/8-24 x 1" Screw, Hex, 3/8-24 x 1" Screw, Hex, 3/8-24 x 1-1/4 Washer, Lock, 3/8" Blade Crossbar, Cutting Arm Nut, 3/8-24 Pulley, Idler Arm, Clutch. Includes Item 6 Spacer Bushing Rod, Belt Clutch Control Fitting, Pivot Screw, Hex, 3/8-24 x 2-1/4	Qty 3 3 1 1 5 2 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Handlebar and Roll Cage



Handlebar and Roll Cage

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Qty	- 0 0 0 0 - 0 0 0 0 0	j .
Description	Roll Cage Nut, 3/8-24 Washer, Lock, 3/8" Washer, 3/8 ID × 7/8 OD × 5/64 Tk Screw, Hex, 3/8-24 × 2" Handlebar Grip Knob, Threaded, 3/8-16 Bolt, Carriage, 3/8-16 Wheel-Tire, 8.25 × 2.75 Bushing, Rear Wheel Nut, 5/16-18 Washer, Lock, 5/16" Washer, 5/16 ID × 3/4 OD × 1/16 Tk Screw, Hex, 5/16-18 × 1-1/2	CC7949 + COC7949 + COC7949
Part No.	656944 443112 446142 452006 400306 657132 657117 657177 657122 657177 657124 443106 446134 452004	72002+
Item No.	- 2 m 4 m 9 c 6 c 7 c 7 c 7 c 7 c 7 c 7 c 7 c 7 c 7	(+ (Z
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eccentric hole in Insert 656439 grease nozzle through end of each cutting arm to lubricate ings. See Lubrication, page 6. Note A: