

SEARS

CRAFTSMAN[®]

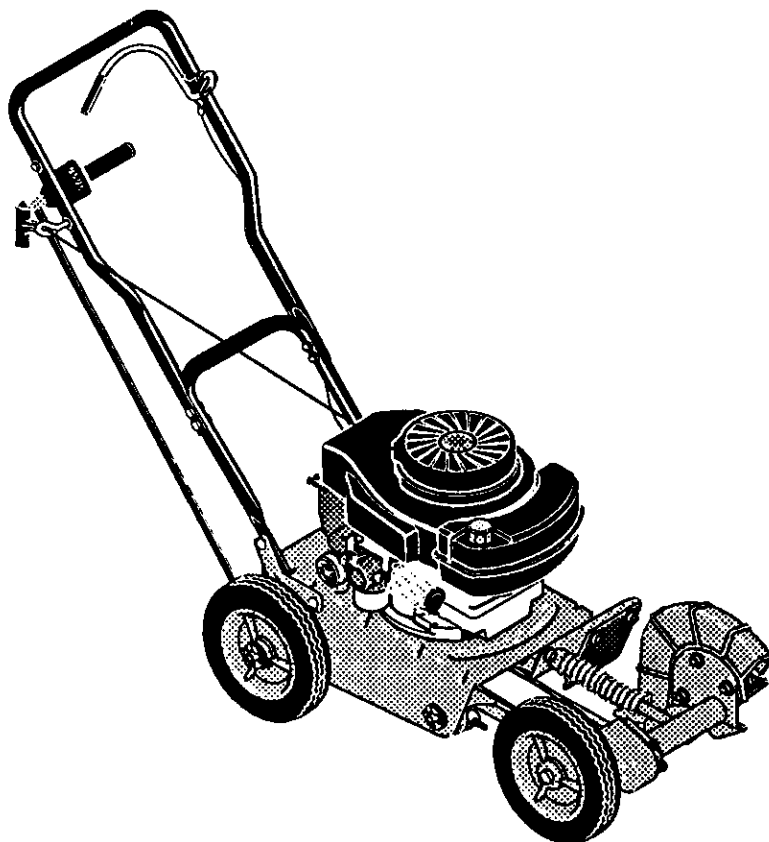
3.5 Horsepower

9 Inch

EDGER

MODEL NO.

536.797460



Caution:
Read and follow all Safety
Rules and Operating
Instructions before first use
of this product.

SEARS, ROEBUCK AND CO., Hoffman Estates 60179 U.S.A.

337726 3/25/96

SAFETY

ASSEMBLY

OPERATION

MAINTENANCE

PARTS LIST

ESPAÑOL

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WARRANTY STATEMENT

LIMITED ONE-YEAR WARRANTY ON CRAFTSMAN EDGER

For one year from the date of purchase, when this Craftsman Edger is maintained, lubricated, and tuned up according to the operating and maintenance instructions in the owner's manual, Sears will repair, free of charge, any defect in material or workmanship.

If this Craftsman Edger is used for commercial or rental purposes, this warranty applies for only 90 days from the date of purchase.

This warranty does not cover the following:

- Expendable items which become worn during normal use, such as spark plugs, etc.
- Repairs necessary because of operator abuse or negligence, including bent crank shafts and the failure to maintain the equipment according to the instructions contained in the owner's manual.

WARRANTY SERVICE IS AVAILABLE BY RETURNING THE CRAFTSMAN EDGER TO THE NEAREST SEARS SERVICE CENTER/DEPARTMENT IN THE UNITED STATES. THIS WARRANTY APPLIES ONLY WHILE THIS PRODUCT IS IN USE IN THE UNITED STATES.

This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

Sears, Roebuck and Co., D817WA, Hoffman Estates, IL 60179



SAFETY RULES



Look for this symbol to point out important safety precautions. It means--- ATTENTION!!! Become alert!!! Your safety is involved.

CAUTION: Always disconnect spark plug wire and place wire where it cannot contact spark plug to prevent accidental starting when setting-up, transporting, adjusting or making repairs.

IMPORTANT: Safety standards require operator presence controls to minimize the risk of injury. Your edger is equipped with such controls. Do not attempt to defeat the function of the operator presence control under any circumstances.

BEFORE USE

- Read the owner's manual carefully. Be thoroughly familiar with the controls and the proper use of the edger. Know how to stop the edger and disengage the controls quickly.
- Do not operate the edger without wearing adequate outer garments. Wear

- footwear that will improve footing on slippery surfaces.
- Keep the area of operation clear of all persons, particularly small children and pets.
- Thoroughly inspect the area where the edger is to be used and remove all foreign objects.

FUEL SAFETY

- Handle fuel with care; it is highly flammable.
- Use an approved container.
- Check fuel supply before each use, allowing space for expansion as the heat of the engine and/or sun can cause fuel to expand.
- Fill fuel tank outdoors with extreme care. Never fill fuel tank indoors. Replace fuel tank cap securely and wipe up spilled fuel.

- Never remove the fuel tank cap or add fuel to a running or hot engine.
- Never store fuel or edger with fuel in the tank inside a building where fumes may reach an open flame.

OPERATING SAFETY

- Never allow children or young teenagers to operate the edger. Keep them away while it is operating. Never allow adults to operate the edger without proper instruction.
- Do not operate this machine if you are taking drugs or other medication which can cause drowsiness or affect your ability to operate this machine.
- Do not use this machine if you are mentally or physically unable to operate this machine safely.
- Always wear safety glasses or eye shields during operation or while performing an adjustment or repair to protect your eyes from foreign objects that may be thrown from the edger.
- Do not put hands or feet near or under rotating parts.
- Exercise extreme caution when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic.
- Exercise caution to avoid slipping or falling.
- Never operate the edger without proper guards, plates, or other safety protective devices in place.
- Never operate the edger at high transport speeds on slippery surfaces. Look behind and use care when backing.
- Never allow bystanders near the edger.
- Keep children and pets away while operating.
- Never operate the edger without good visibility or light.
- Do not run the engine indoors. The exhaust fumes are dangerous, containing CARBON MONOXIDE, an ODORLESS and DEADLY GAS.
- Take all possible precautions when leaving the edger unattended. Stop the engine.
- Do not overload the edger capacity by attempting to edge too deep at too fast a rate.

SAFE STORAGE

- Always refer to the owner's manual instructions for important details if the edger is to be stored for an extended period.

- Never store the edger with fuel in the fuel tank inside a building where ignition sources are present such as water and space heaters, clothes dryers, and the like. Allow the engine to cool before storing in any enclosure.
- Keep the edger in safe working condition. Check all fasteners at frequent intervals for proper tightness.

REPAIR/ADJUSTMENTS SAFETY

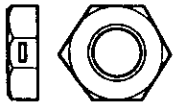
- After striking a foreign object, stop the engine (motor). Remove the wire from the spark plug, and keep the wire away from the plug to prevent accidental starting. Thoroughly inspect the edger for any damage, and repair the damage before restarting and operating it.
- If edger should start to vibrate abnormally, stop engine (motor) and check immediately for the cause. Vibration is generally a warning of trouble.
- Stop the blade whenever you leave the operating position. Also, disconnect the spark plug wire before unclogging the blade and when making any repairs, adjustments, or inspections.
- When cleaning, repairing, or inspecting, shut off the engine and make certain all moving parts have stopped.
- Never attempt to make any adjustments while the engine is running except when specifically recommended by the manufacturer.

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

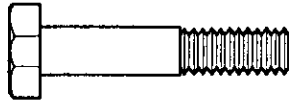
⚠ WARNING: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

In the state of California the spark arrester is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester/muffler is available through your nearest Sears Authorized Service Center (See ENGINE REPAIR PARTS section in this manual).

Contents of Parts Bag (shown full size)



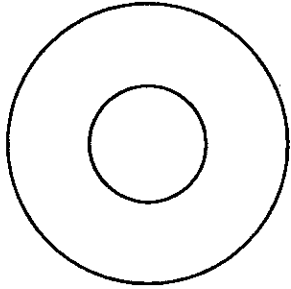
(2) - Hex Head Nuts
5/16-18



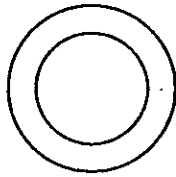
(2) - Hex Head Screws
5/16-18x 1-1/4 inch



(2) - Hair Pins



(2) - Flatwashers(large)
.520x1.25x.209



(2) - Flatwashers(small)
.504x.75x.059



(3) - Retaining Rings
(1 is a spare)

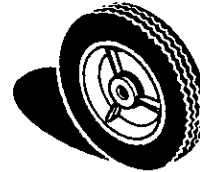
Parts packed separately in carton (not shown full size)



1 - Container SAE30 oil



(1) - Control Rod



(2) - Tire & Rims

- 1 - Owner's Manual (not shown)
- 1 - Parts Bag (not shown)

ASSEMBLY

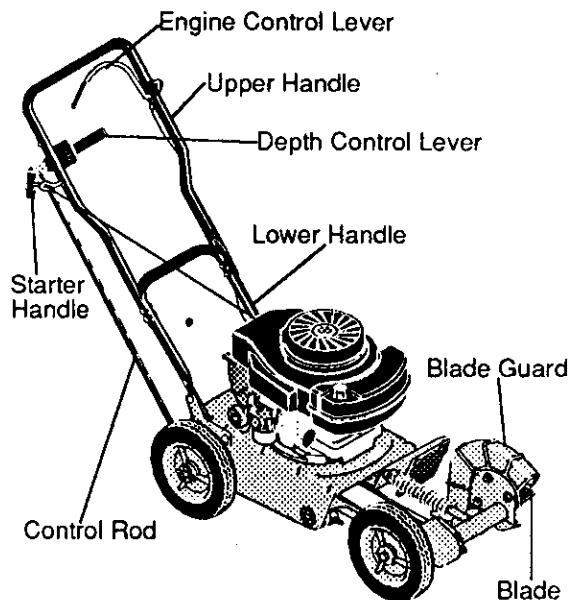
CAUTION: Always wear safety glasses or eye shields while assembling edger.

TOOLS REQUIRED FOR ASSEMBLY

- 1 - 7/16 inch Wrench
(or adjustable wrench)
- 2 - 1/2 inch Wrenches
(or adjustable wrenches)
- 1 - Pair Pliers
- 1 - Knife

The figure to the right shows the edger completely assembled.

References to the right or left hand side of the edger are from the viewpoint of the operator's position behind the unit.

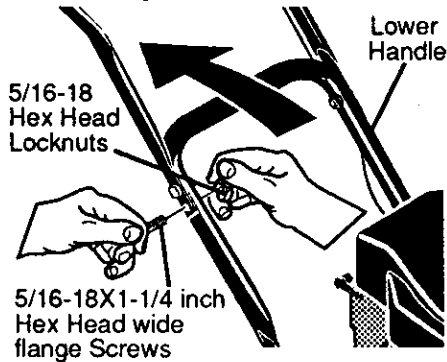


TO REMOVE EDGER FROM CARTON

- Remove the control rod from the carton.
- Remove wheels, parts bag and packing material from the carton.
- Cut down all four corners of the carton.

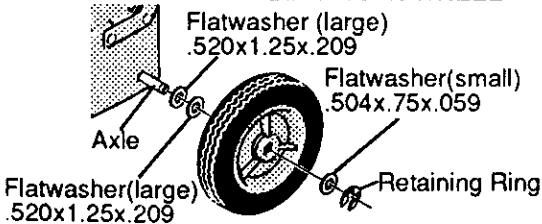
TO ASSEMBLE THE EDGER

- Pivot the upper handle upward being careful not to pinch or pull the engine control wire, until the mounting holes in the upper handle align with the mounting holes in the lower handle. Install (2) 5/16-18 x 1-1/4 inch hex head screws and (2) 5/16-18 hex lock nuts (found in parts bag) in the empty handle holes and tighten all four clamping bolts. Locknuts should be to the inside of the handles as shown in figure below.

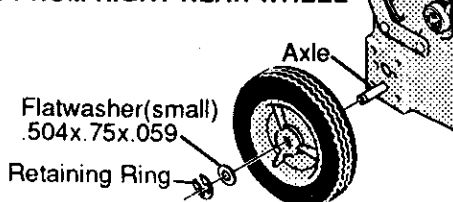


- Attach left rear wheel to the edger as shown below. Place two large flatwashers (need to keep wheel away from side frame bolts) between the wheel and the frame. Place one small flatwasher outside of the wheel and install the retaining ring on the axle.
- Attach right rear wheel as shown below to the edger. Place a flatwasher and retaining ring to rear axle.

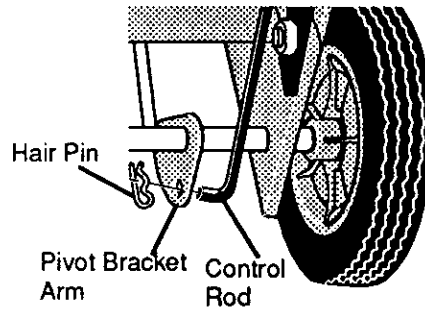
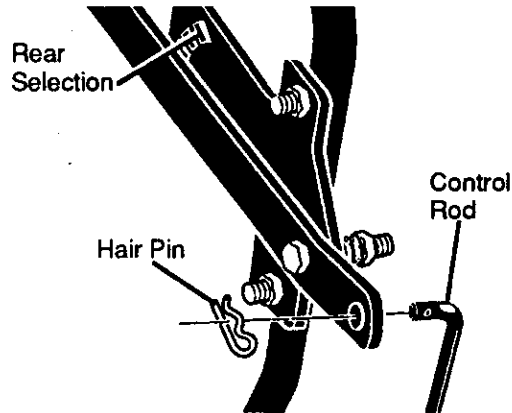
VIEW FROM LEFT REAR WHEEL



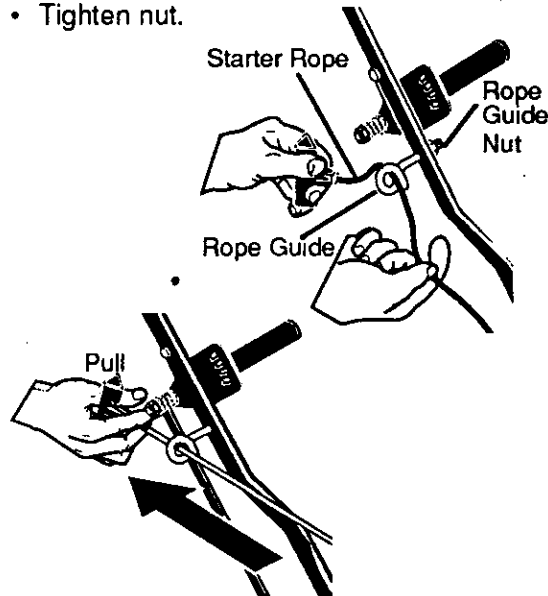
VIEW FROM RIGHT REAR WHEEL



- Insert one end of the control rod from right to left through the hole in the depth control lever and attach with a hair pin found in parts bag. See figure below.
- Place the depth control lever in the rear selection slot and insert the lower end of the control rod through the hole in the pivot bracket arm located inside the frame on the rear axle. Attach with hairpin.



- Loosen the rope guide nut located on the inside of the right handle as shown below.
- Thread starter rope through the guide.
- Tighten nut.



✓ CHECKLIST

Before you operate your new Edger, to ensure that you receive the best performance and satisfaction from this quality product, please review the following checklist:

- ✓ All assembly instructions have been completed.
 - ✓ No remaining loose parts in carton, except spare retaining ring. Keep in safe place.
 - ✓ All fasteners have been properly installed and tightened.
- While learning how to use your edger, pay extra attention to the following important items:
- ✓✓ Engine oil is at proper level.
 - ✓✓ Fuel tank is filled with fresh, clean, regular Unleaded gasoline.
 - ✓✓ Become familiar with all controls, their location and function. Operate controls before starting engine.

OPERATION

KNOW YOUR EDGER

READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR EDGER. Compare the illustrations with your EDGER to familiarize yourself with the location of various controls and adjustments. Save this manual for future reference.



Fast



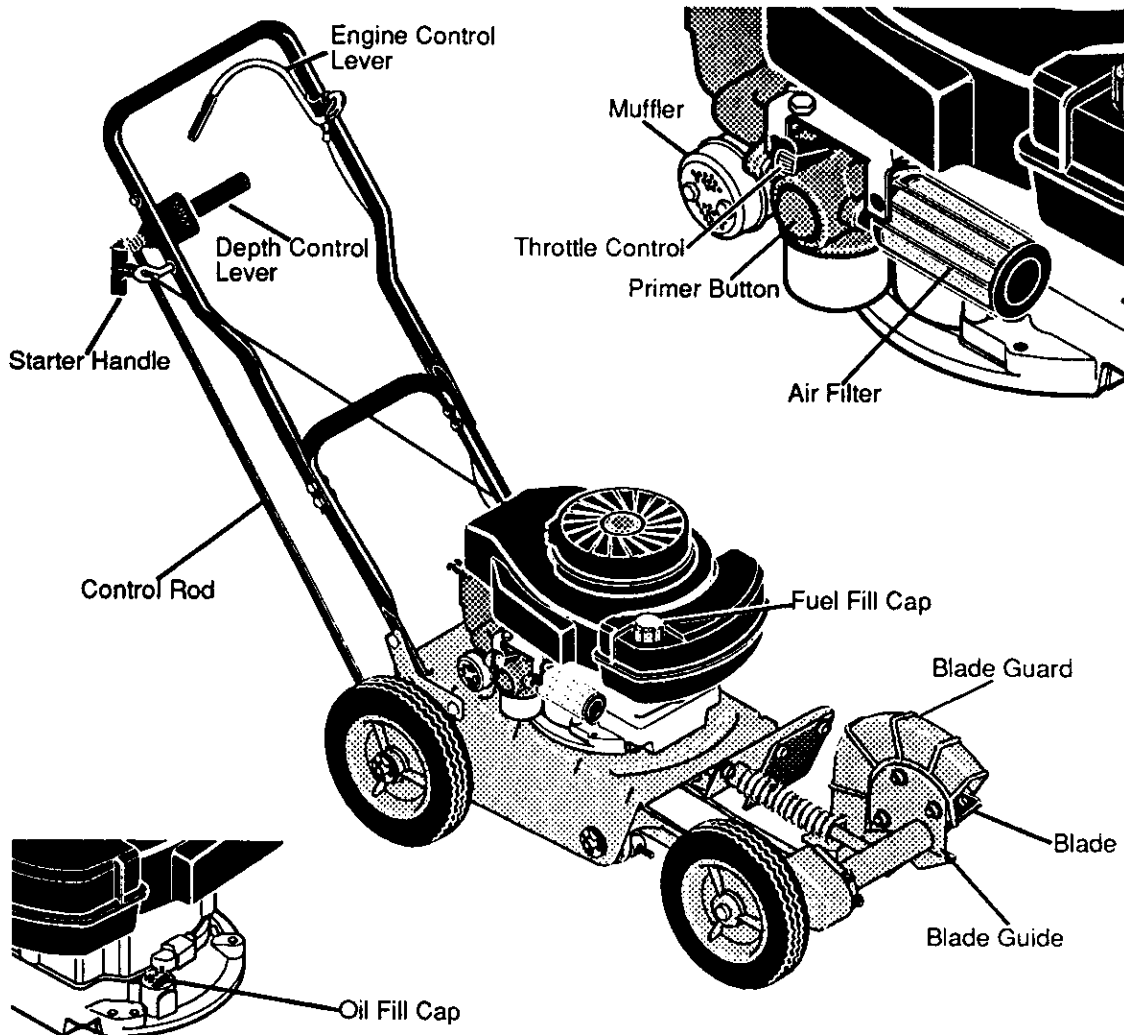
Slow



Stop



Primer Button



Throttle Control – Used to control the engine speed.

Primer Button – Injects fuel directly into the carburetor manifold for faster starts.

Starter Handle – The engine on this edger is equipped with an easy pull recoil starter.

Depth Control Lever – Controls the depth of the blade.

Blade Guard – Used to prevent stones or other material from being thrown at the operator.

Engine Control Lever – Must be held back to allow engine to start and run.


⚠ WARNING: Blade is rotating when engine is running or being started. Keep hands and feet away from blade to prevent injury.

HOW TO USE YOUR EDGER

⚠ WARNING: The operation of this edger can result in foreign objects being thrown into the eyes, which can cause severe eye damage. Always wear safety glasses or eye shields while operating the edger.

We recommend standard safety glasses or Wide Vision Safety Mask for over your glasses.

TO STOP EDGER

- Make sure the depth control lever is all the way forward and release engine control lever to the STOP  position. Wait for all moving parts to stop before leaving the operator position.

⚠ CAUTION: Never leave the edger unattended while the engine is running. Always raise the cutting blade and stop the engine.

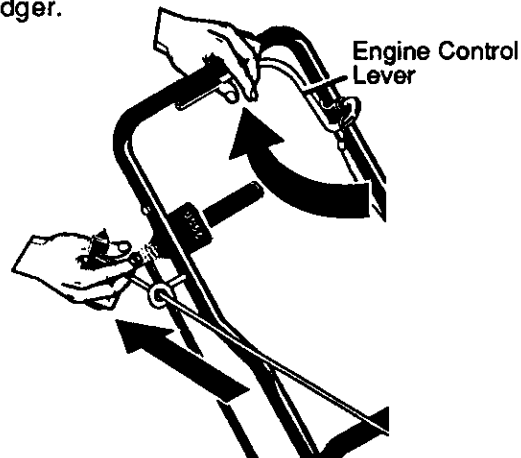
TO USE THE ENGINE CONTROL LEVER

- Pull the engine control lever back with your left hand and hold it in contact with the upper handle cross tube to allow engine to start and run. See next figure.
- Release the engine control lever to stop the engine.




NOTE: If engine continues to run after lever is released, see your Sears service center.

⚠ CAUTION: Always stop the engine and make sure all parts have stopped whenever leaving the operator's position or

when cleaning, replacing or inspecting the edger.



TO USE THROTTLE CONTROL

- Run at full  engine speed during normal use.
- Push throttle control lever forward to increase speed; back to decrease  speed.
- Pulling the throttle control lever all of the way back will stop  the engine.

TO USE PRIMER BUTTON

- Push primer button  five times. See page 6 figure for location. Wait about two seconds between each push.

NOTE: Do not use primer button to restart a warm engine after a short shut-down.

TO USE THE DEPTH CONTROL LEVER

- Position your edger in desired edging location, before operating.
- Start the engine and move the depth control lever back to lower the cutting blade.
- Select the edging depth you need. There are 4 selections up to 2-1/2 inches deep.

IMPORTANT: If very deep edging is required, we recommend that a shallow cut be made first, then cuts at greater depths until the desired depth is obtained.

⚠ WARNING: Keep away from the rotating blade. The blade can cause injury.

BEFORE STARTING ENGINE

PRE-USE CHECK OF CONTROLS

All controls should be checked for proper function before servicing or starting the engine.

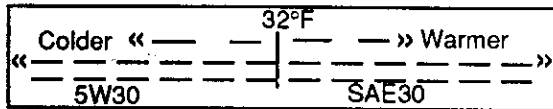
- Move the depth control lever into all four positions in the selector plate. Make sure the depth control lever snaps into all four holes as shown in figure on page 6.
- Return the depth control lever to the forward hole in the selector plate.

FILL/ADD OIL:

This edger was shipped with a 20 ounce container of SAE30 motor oil. This oil must be added to the engine before operating. Remove the oil fill cap and fill the crankcase to 1/4 inch from top of oil fill hole, residual oil remaining. **DO NOT OVERFILL.**

OIL RECOMMENDATIONS

Only use high quality detergent oil rated with API service classification SG. Select the oil's SAE viscosity grade according to your expected operating temperature:

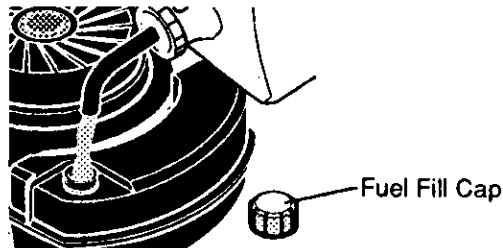
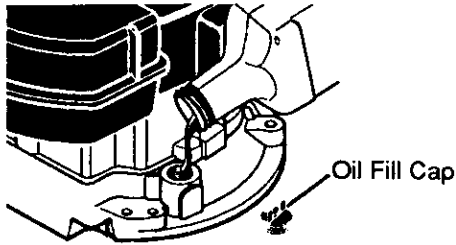


NOTE: Although multi-viscosity oils (5W30, 10W30, etc.) improve starting in cold weather, these multi-viscosity oils will result in increased oil consumption when used above 32°F. Check your engine oil level more frequently to avoid possible engine damage from running low on oil.

TO ADD ENGINE OIL

- Place the edger on a level surface.
- Remove the oil fill cap as shown in next figure.
- Fill the engine crankcase, pouring slowly. Do not overfill. For approximate capacity see **PRODUCT SPECIFICATIONS** on page 10 of this manual.
- Reinstall the oil fill cap and tighten securely. Wipe away excess oil.
- Check oil before each use. Add if needed.
- Change oil after the first 2 operating hours and every 25 operating hours thereafter.

⚠ CAUTION: Never fill the gas tank while the engine is running or hot. Immediately wipe off any spilled gasoline before attempting to start the engine.



FILL GAS:

Fill the fuel tank with clean, fresh, unleaded grade automotive gasoline. Be sure that the container you pour the gasoline from is clean and free from dust or other foreign particles. Never use gasoline that may be stale from long periods of storage in the container. Reinstall fuel cap.



WARNING: Experience indicates that alcohol blended fuels (called gasohol or using methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain fuel tank, start engine and let it run until fuel lines and carburetor are empty. Use fresh fuel next season. See **Storage Instructions** for additional information. Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.

⚠ WARNING: Gasoline is flammable and caution must be used when handling or storing it. Do not fill fuel tank while Edger is running, hot, or when Edger is in an enclosed area. Keep away from open flame, electrical spark, and do not smoke while filling the fuel tank. Never fill fuel tank completely; but fill the tank to within 1/4-1/2

inch from the top to provide space for expansion of fuel. Always fill fuel tank outdoors and use a funnel or spout to prevent spilling. Make sure to wipe up any spilled fuel before starting the engine. Store gasoline in a clean, approved container, and keep the cap in place on the container. Keep gasoline in a cool, well ventilated place; never in the house. Never buy more than a 30 day supply of gasoline to ensure volatility. Gasoline is intended to be used as a fuel for internal combustion engines; therefore, do not use gasoline for any other purpose. Since many children like the smell of gasoline, keep it out of their reach because the fumes are dangerous to inhale, as well as being explosive.

TO START THE ENGINE

Before starting the engine, be sure you have read and understood all the instructions on the preceding pages. The edger is equipped with a recoil starter. The operation of the engine is controlled by the throttle control lever. See page 6.

- Push the depth control lever forward and latch in the forward slot of the adjustment bracket to raise the blade.
- Move the throttle control lever, see figure on page 6, to the FAST  position.
- Push primer button  five times, see figure on page 6. Wait about two seconds between each push.


NOTE: Do not use primer to restart a warm engine after a short shutdown.

- Pull the engine control lever back to contact the upper handle tube and hold the edger handle and control lever firmly with your left hand.
- To start engine, grasp the engine starter handle firmly with your right hand.
- Pull back sharply on the recoil starter handle. DO NOT allow the starter rope to snap back, let it rewind slowly while holding the starter handle.

NOTE: If engine fails to start after three pulls, push primer button two times and pull starter rope again.

- When the engine starts, run at full engine speed during normal use.

NOTE: The cutting blade speed is controlled by the engine speed. To reduce the cutting blade speed, push back on the throttle control lever. To increase the blade speed, push the throttle control lever forward.

- To stop  the engine, make sure the depth control lever is all the way forward and release the engine control lever to the stop position. See figure on page 6.

⚠ WARNING: Never run the engine indoors or in a poorly ventilated area. Engine exhaust contains carbon monoxide, an odorless gas and deadly gas. Keep hands, feet, hair and loose clothing away from any moving parts on the engine or edger. Avoid the muffler and surrounding areas. Temperatures may exceed 150° F.

EDGING TIPS

- Edging is best performed when conditions are dry. If the soil is too wet, dirt becomes packed in and around the blade causing premature belt wear and decreased performance.
- If dirt does become packed around the blade, stop the engine, remove the spark plug wire, and remove the packed debris before continuing to edge.
- If very deep edging is required, we recommend that a shallow cut be made first, then cuts at greater depth until the desired depth is obtained.
- Uniform edging can be performed when the blade guide (see figure on page 6) rides on and against the surface which you are edging.
- Edging can be customized by varying the number of passes and by the distance your blade is from the surface you are edging.

MAINTENANCE

CUSTOMER RESPONSIBILITIES

SERVICE RECORDS Fill in dates as you complete regular service	SCHEDULE								SERVICE DATES			
	After First 2 Hours	Before Each Use	Frequently	Every 5 Hours	Every 10 Hours	Every 25 Hours	Begin Each Season	Before Storage				
Lubricate all Pivot Points					✓			✓				
Lubricate Wheel Axles						✓		✓				
Check Engine Oil Level		✓										
Change Engine Oil	✓					✓	✓					
Replace Air Cleaner Filter							✓					
Check Spark Plug						✓	✓					
Check Drive Belt			✓									
Tighten All Screws and Nuts	✓		✓									
Check Blade Wear/Damage			✓									

PRODUCT SPECIFICATIONS

HORSE POWER:	3.5
DISPLACEMENT:	9.06 cu. in. (148 cc)
GASOLINE CAPACITY:	1.25 qt. (unleaded regular)
LUBRICATION:	20 oz. SAE-30W
SPARK PLUG: (Gap .030)	Champion RJ19LM or Equivalent

NOTE: If the edger is being used in sandy or dusty areas, change the oil more frequently to prevent premature engine wear.

TO CHANGE ENGINE OIL

- Disconnect the spark plug wire from the spark plug.
- Remove the oil drain plug as shown below and drain the oil into a flat pan.
- After draining all the oil, reinstall the oil drain plug securely.

NOTE: The oil will drain more freely when the engine is warm.

GENERAL RECOMMENDATIONS

The warranty on this Edger does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, the operator must maintain the Edger as instructed in this manual. The above chart is provided to assist the operator in properly maintaining the Edger.

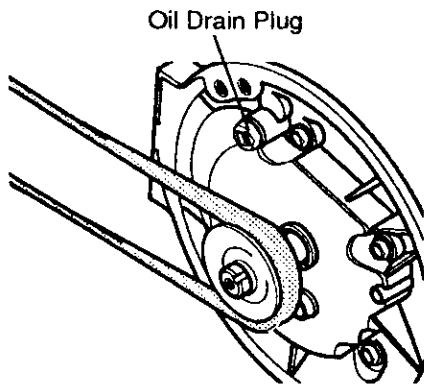
LUBRICATION

- After each 25 hours of use of your Edger, apply light machine oil to all moving parts, particularly the wheels.
- The oil in the engine crankcase must be changed after the first 2 hours of operation and after each 25 hours of use thereafter.

- Remove the oil fill cap. See figure on page 8.
- Fill the engine crankcase, pouring slowly. **DO NOT OVERFILL.** For approximate capacity see **PRODUCT SPECIFICATIONS.**

NOTE: The quill assembly bearings are factory sealed and will require no lubrication.

- Reconnect the spark plug wire on the spark plug.

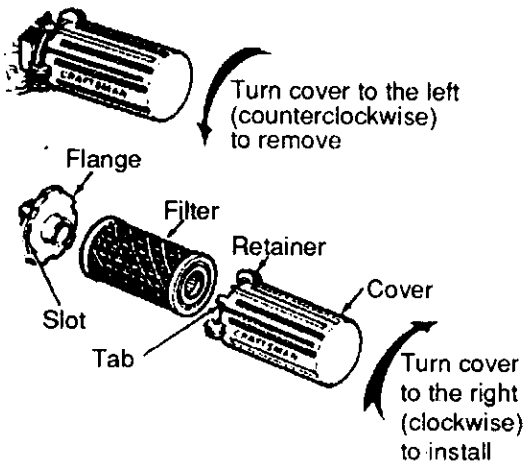


AIR CLEANER

Replace the filter once a year; more often under dusty or dirty conditions. **DO NOT** attempt to clean or oil the air filter.

To install a new air filter, do the following:

- Disconnect the spark plug wire from the spark plug.
- Turn the cover as shown below to the left (counterclockwise) and remove the cover and the air filter from the flange.
- Discard the air filter.
- Clean the cover and the flange thoroughly.
- Insert the new air filter into the cover.
- Push the cover firmly against the flange and turn it to the right (clockwise) as far as it will go as shown in figure below. Be sure the retainers are locked around the flange.
- Reconnect the spark plug wire.



CAUTION: Never run the engine without the air cleaner element installed. A defective air cleaner can result in loss of engine power and can cause excessive wear or damage to the engine components if dirt or dust is permitted to enter the engine through the carburetor. A damaged air cleaner, or one that is clogged with dust or dirt should be replaced immediately.

SPARK PLUG

Clean the spark plug and reset the gap periodically. Clean the area around the spark plug base before removal, to prevent dirt from entering the engine. Replace the spark plug if the electrodes are pitted or burned or if the porcelain is cracked. Clean the spark plug by carefully scraping the electrodes (do not sand blast or use a wire brush). Be sure the spark plug is clean and free of foreign material. Check the electrodes gap with a wire feeler gauge and reset to .030 if necessary. If a new spark plug is needed, refer to the **PRODUCT SPECIFICATIONS** for the proper replacement spark plug.

Before reinstalling the spark plug, coat the threads lightly with graphite or light oil to insure easy removal. Tighten the spark plug firmly into the engine. If a torque wrench is available, torque the spark plug to 15 foot-pounds.

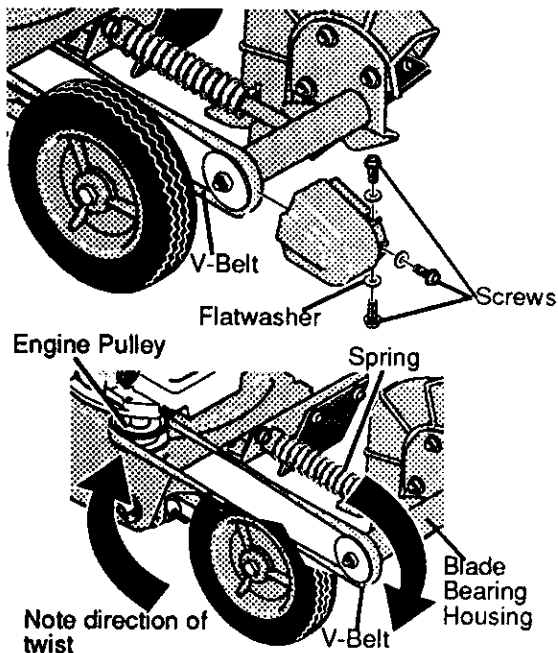
SERVICE AND ADJUSTMENTS

⚠ CAUTION: Always stop the engine and disconnect the spark plug wire before making any repairs to the edger.

V-BELT REPLACEMENT

Your edger is equipped with a V-belt made of a special compound. If the belt becomes worn or breaks, replace it with an original equipment belt as shown in the Repair Parts section of this manual. Never use a substitute.

- Disconnect the spark plug wire.
- Drain gasoline and oil from edger.
- Tip edger backwards on handle and block top of handle against wall or bench.
- Remove three screws and flatwashers from the belt guard as shown in figure below.



- Push blade bearing housing back towards engine to compress spring and release tension on belt.
- Remove old belt (carefully note direction of twist around engine pulley).
- While spring is compressed, install new belt on quill and engine pulleys being sure to twist belt in proper direction as shown in figure.

NOTE: If belt is not installed properly the blade will not turn in the proper direction and could damage the blade or belt. Refer to figure above for proper direction of belt travel.

BLADE REPLACEMENT

The cutting blade is subject to wear and damage such as nicks and dents. This will not generally affect its function.

This blade is specially designed to not require sharpening. Do not attempt to sharpen this blade. If worn or damaged the blade should be replaced.

CAUTION: When removing or tightening the blade nut, always use the method shown in figure below. The holding wrench must always be positioned on the nut behind the cutting blade.

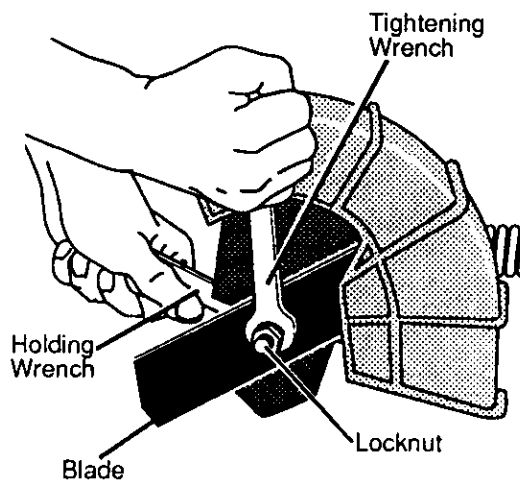
⚠ CAUTION: Do not attempt to sharpen this blade. You could cause damage to the blade which could result in breakage and possible user or bystander injury.

To replace the blade, do the following:

- Disconnect spark plug wire.
- Remove the 1/2-20 locknut shown in figure below securing the blade to the drive shaft.
- Remove the blade.

IMPORTANT: Note the position of the washer and the blade cutting edge to ensure proper re-assembly. The blade is marked **THIS SIDE OUT**.

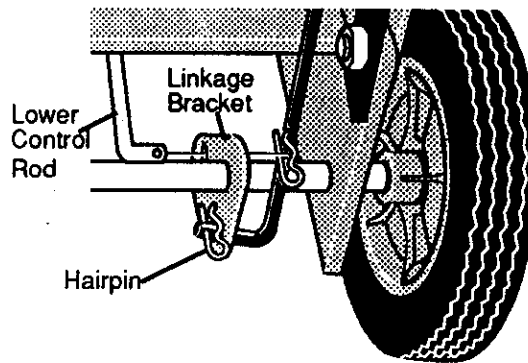
- Position the replacement blade against the washer on the drive shaft and secure with flange nut. Be sure to tighten nut securely.
- Reconnect the spark plug wire.



LEVELING ADJUSTMENT

- When the depth control lever is in the forward adjustment slot, the engine platform should be approximately level and the edging blade tip should be 1-1/4 to 1-1/2 inches above the surface of the ground.
- When the depth control lever is in the rear adjustment slot the edging guide (see figure below) should be approximately 1/4 inch above the surface which you are edging and the blade tip should be 2-5/8 to 2-7/8 inches below the surface of the ground. The two middle adjustment slots provide shallower edging depths.
- To adjust the depth control lever to give the proper blade proper blade positions, remove the ignition wire from the spark plug and keep the wire away from the spark plug. Place the edger on a work bench or sturdy table. Position edger so that the blade can extend below the top of the bench top, put the depth control lever in the rear adjustment slot and place a 1/4 inch thick shim between the edging guide and the top of the bench, see figure below. Remove the hairpin cotter from the hook in the lower control rod and slide the hook out of the hole in the linkage bracket. Turn the rod in (clockwise) to

raise the blade and out (counterclockwise) to lower the blade. The adjustment is correct when there is a 1/4 inch space between the edging guide and the bench top. When the rod is adjusted correctly, insert the hook of the rod into the hole in the linkage bracket and replace the hairpin cotter in the hole in the hook.

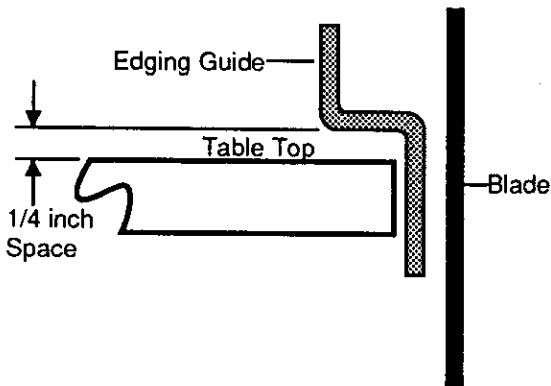


- When the adjustment procedure is complete, put the edger back on the floor and install the ignition wire on the spark plug.

CARBURETOR ADJUSTMENT

The carburetor has been pre-set at the factory and readjustment should not be necessary. However, if the carburetor does need to be adjusted, contact your nearest Sears Service Center.

IMPORTANT: Never tamper with the engine governor, which is factory set for proper engine speed. Overspeeding the engine above the factory high speed setting can be dangerous. If you think the engine-governed high speed needs adjusting, contact your nearest Sears Service Center, which has the proper equipment and experience to make any necessary adjustments.



STORAGE

WARNING: Never store your edger indoors or in an enclosed, poorly ventilated area. If gasoline remains in the tank, fumes may reach an open flame, spark or pilot light from a furnace, water heater, clothes dryer, cigarette, etc.

EDGER

- Clean the edger thoroughly; remove all debris and wipe the unit dry.

- Inspect the edger for worn or damaged parts and tighten all loose hardware.
- Oil all points described in the Lubrication paragraph in the MAINTENANCE section of this manual.
- Store the edger in a protected area and cover for additional protection.

IMPORTANT: A yearly checkup or tune-

up by a Sears Service Center is a good way of ensuring that your Edger will Provide maximum performance for the next season.

ENGINE

IMPORTANT: It is important to prevent gum deposits from forming in essential fuel system parts such as the carburetor, fuel filter, fuel hose, or tank during storage. Also, experience indicates that using alcohol-blended fuels (called gasohol, ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage.

To prevent engine damage (if edger is not used for more than 30 days) follow the steps below.

- To remove gasoline, run the engine until the tank is empty and the engine stops.
- If you do not want to remove gasoline, a fuel stabilizer (such as Sears Craftsman fuel stabilizer No. 33500) may be added to any gasoline left in

the tank to minimize gum deposits and acids. If the tank is almost empty, mix stabilizer with fresh gasoline in a separate container and add some to the tank. Always follow instructions on stabilizer container. Then run engine at least 10 minutes after stabilizer is added to allow mixture to reach carburetor. Store edger in a safe place. See warning on page 13.

- Store the edger in the wheels-down, operating position. If the edger is stored in any other position, oil from the crankcase could enter the cylinder, causing a service problem.

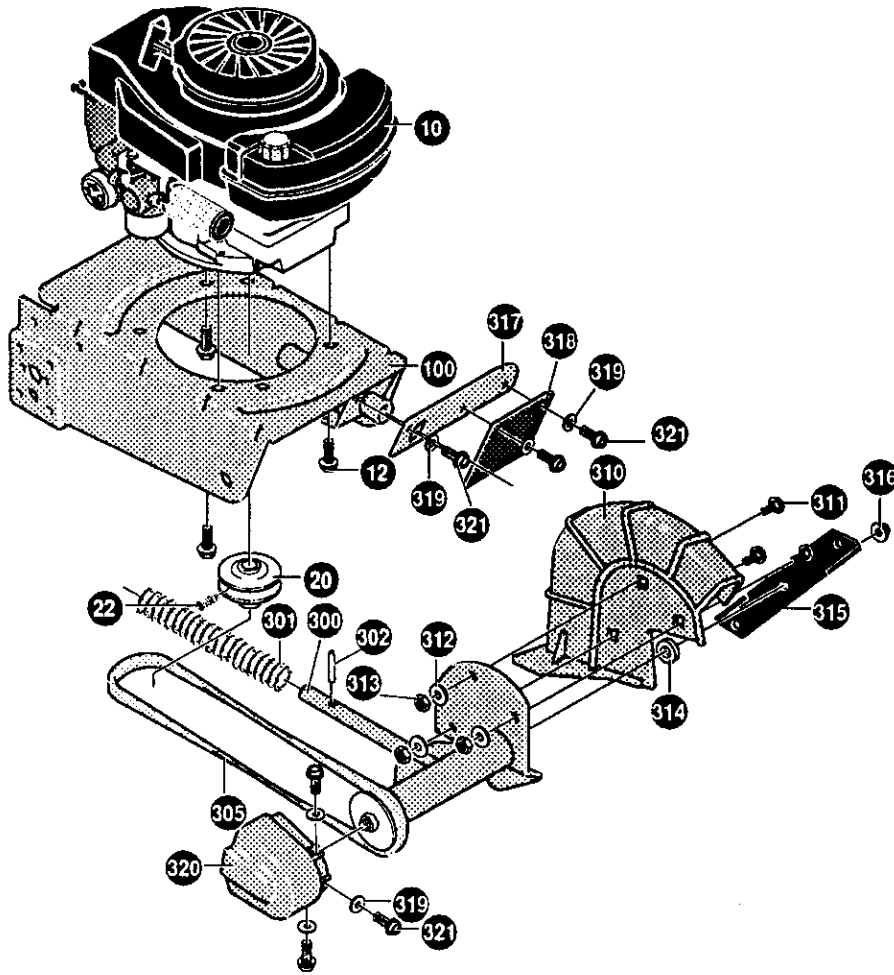
You can keep your engine in good operating condition during storage by:

- Changing oil.
- Lubricating the piston/cylinder area. This can be done by first removing the spark plug and squirting clean engine oil into the spark plug hole. Then cover the spark plug hole with a rag to absorb oil spray. Next, rotate the engine by pulling the starter two or three times. Finally, reinstall spark plug and attach spark plug wire.

TROUBLE SHOOTING

TROUBLE	CAUSE	CORRECTION
Difficult starting or Engine runs erratically	Stale fuel	Drain fuel tank. Fill with fresh fuel
	Defective spark plug	Clean and re-gap spark plug
	Clogged fuel line	Replace fuel filter
	Blocked fuel line or empty fuel tank	Clean fuel line; check gas tank
	Carburetor out of adjustment	Have carburetor adjusted
	Fouled spark plug	Clean and adjust gap
	Clogged air cleaner	Replace air filter
Cutting blade falls to turn	Jammed due to foreign object	Clear obstruction
	Loose blade	Tighten blade retaining nut
	Defective belt	Replace V-belt
	Defective quill bearings	Replace the bearings
Blade fails to cut properly	Damaged or worn blade	Replace blade
Excessive vibration	Loose parts	Stop engine immediately; tighten all bolts. If vibration continues, take the unit into the nearest Sears Service Center

**CRAFTSMAN 9" - 3.5 H.P. EDGER 536.797460
ENGINE/FRAME ASSEMBLY**



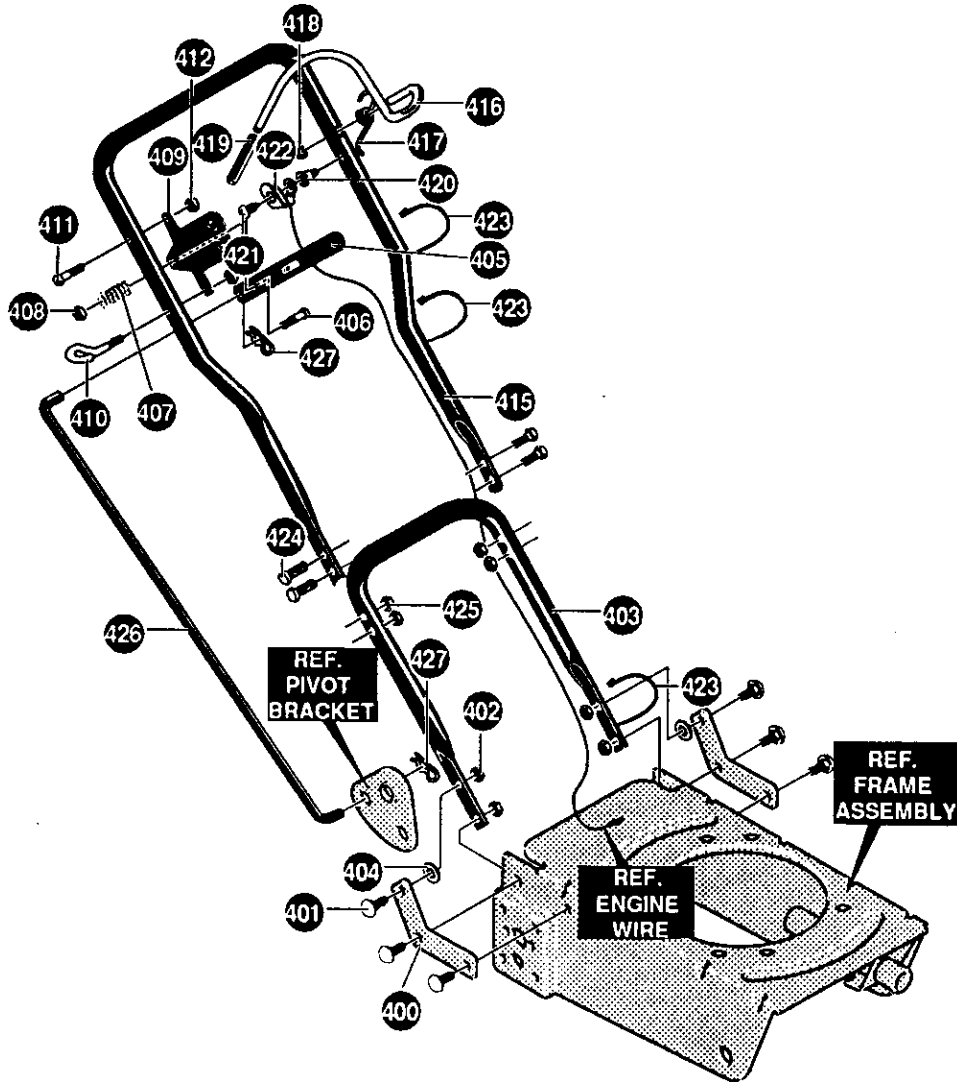
Note: Always use original equipment parts. Use of service/replacement parts other than original parts may void your warranty.

All unnumbered items are interchangeable with opposite side

339589A

REF. NO.	PART NO.	PART NAME	REF. NO.	PART NO.	PART NAME
10	ENGINE	3.5 HP 143.963508 (See Engine pages)	312	120393	Flatwasher .344x.69x.065
12	48148	Screw, 3/8-16 x 1.00	313	1498	Nut, 5/16-18 Reghexctrik
20	52052	Pulley, V3L 2.50X.75	314	22265	Flatwasher.515x1.38x.119
22	102580	Screw, 5/16-18 x .25	315	20562	Blade, Edger
100	337658-833	Frame Assembly	316	46023	Nut, 1/2-20 WDFL
300	339283	Quill Assembly	317	337792-833	Plate, Rubber Flap
301	51603	Spring	318	338582	Deflector, Rubber
302	412281	Pin, Spring	319	1501	Flatwasher .203x.56x.040
305	32668	Belt, V 4L 32.60Lg	320	336631	Belt Guard
310	336555	Guard, Blade	321	411666	Screw, 10-16x.50 TAP
311	57072	Carriage Bolt, 5/16-18x.63		337726	Owner's Manual Eng/Sp

**CRAFTSMAN 9" - 3.5 H.P. EDGER 536.797460
HANDLE ASSEMBLY**

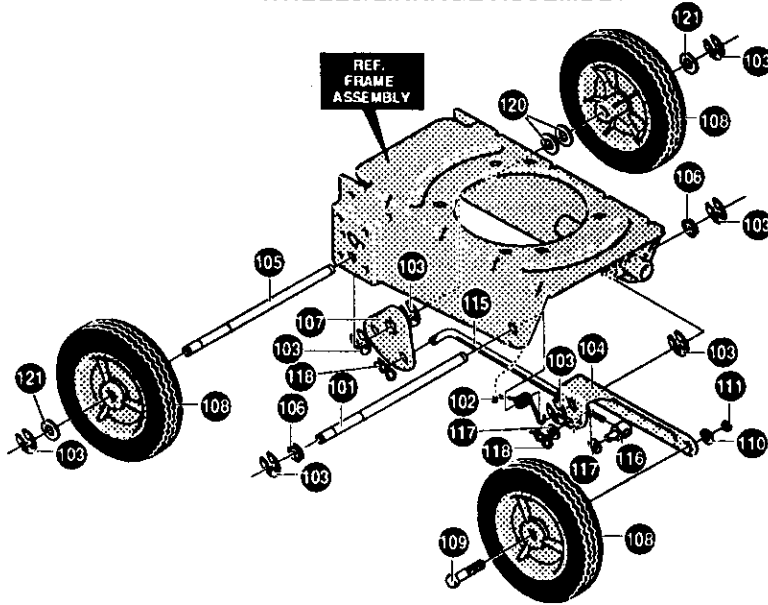


339591B

REF. NO.	PART NO.	PART NAME
400	337323-833	Bracket, Handle
401	57101	Carriage Bolt 5/16-18x.75
402	45174	Nut, 5/16-18 Hexwdflk
403	332232-853	Handle, Lower 7/8"
404	45602	Flatwasher .333x.87x.119
405	337321-853	Handle, Depth Adjust
406	180081	Screw, 5/16-18x1.25
407	25644	Spring
408	1498	Nut, 5/16-18 Reghexctrk
409	337322-853	Bracket, Quadrant
410	321354	Rope Guide
411	180024	Screw, 1/4-20x1.25
412	1502	Nut, 1/4-20 Reghexctrk

REF. NO.	PART NO.	PART NAME
415	337713-853	Handle, Upper
416	337744	Bail, Operator Control
417	337775	Spring, Torsion
418	314276	Nut, Push on 1/4
419	339489	Cap, Operator Control
420	339229	Insulator, Operator Control
421	57796	Screw, #6x.50 Plastite
422	340162	Clip, Grounding
423	57444	Cable Tie
424	180081	Screw, 5/16-18x1.25
425	1498	Nut, 5/16-18 Reghexctrk
426	337326	Control Rod
427	36368	Hair Pin

CRAFTSMAN 9" - 3.5 H.P. EDGER 536.797460
WHEELS/LINKAGE ASSEMBLY

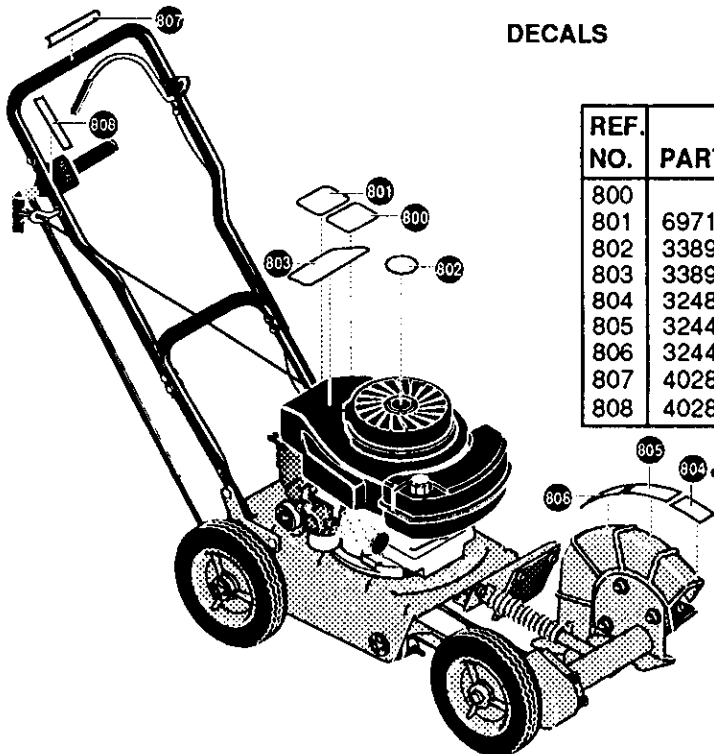


339590A

REF. NO.	PART NO.	PART NAME
101	339286	Front Axle
102	339146	Spring, Axle Torsion
103	20864	Ring, Ret. E.
104	337871-833	Bracket, Front Wheel
105	339284	Axle, Rear Vertical
106	417098	Flatwasher .531x1.06x.063
107	337333	Bracket, Linkage
108	339079	Tire & Rim 7x1.50
109	27142	Shoulder Bolt, 3/8-16

REF. NO.	PART NO.	PART NAME
110	120394	Flatwasher .406x.81x.065
111	1499	Nut, 3/8-16 Reghexctrk
115	337327	Rod, Control
116	584593	Nut, Trunnion 5/16-24
117	4230	Flatwasher .328x.68x.104
118	36368	Hair Pin .072 Dia x 1.13Lg
120	49998	Flatwasher .520x1.25x.209
121	2968	Flatwasher .504x.75x.059

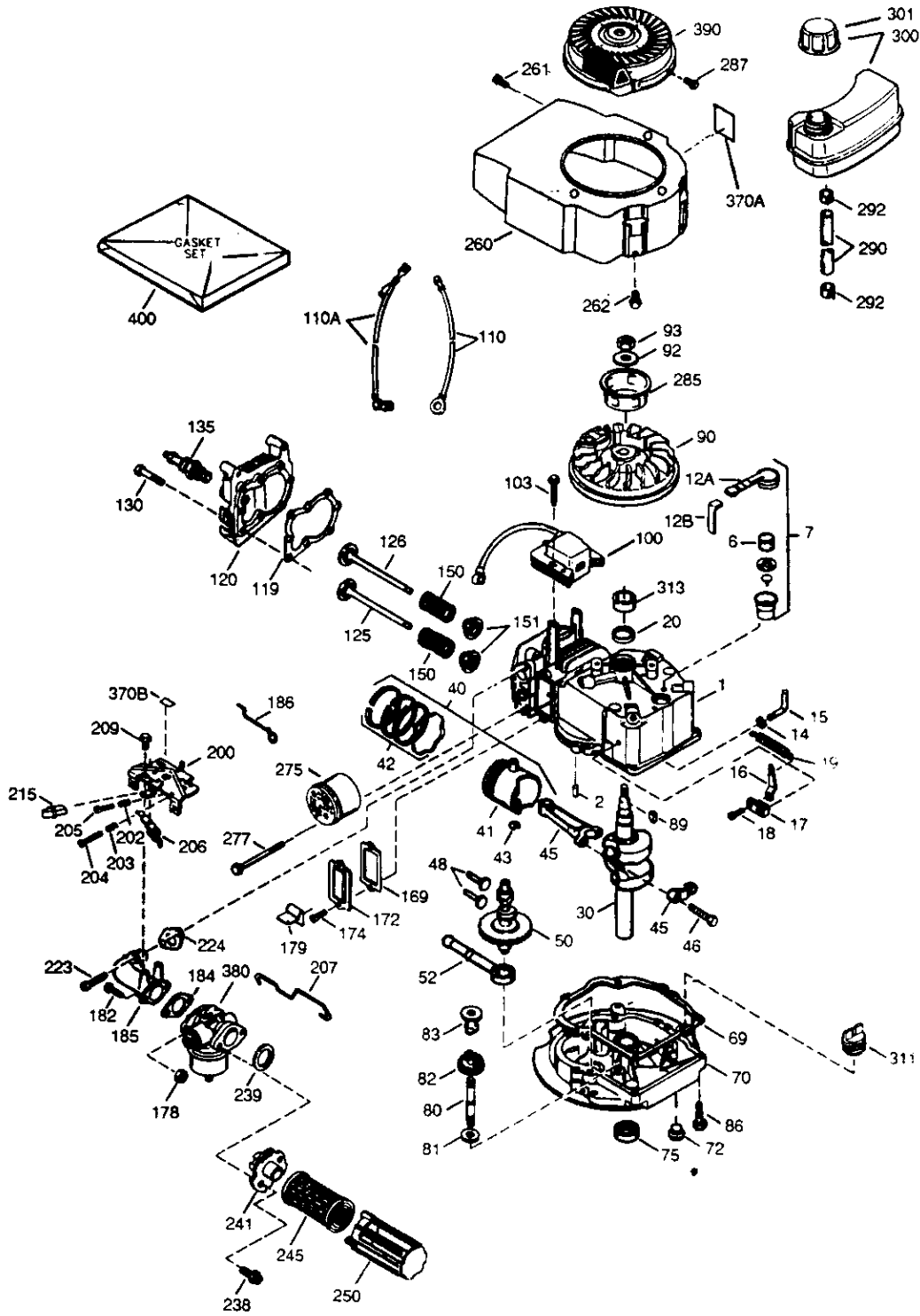
DECALS



REF. NO.	PART NO.	PART NAME
800		Reference Only
801	69711	Decal, Information Danger
802	338984	Decal, Recoil Cover
803	338980	Decal, Engine Sears
804	324860	Decal, Blade Rotation
805	324475	Decal, Danger Blade
806	324476	Decal, Warning Edger
807	402862	Decal, Eng. Cont. Lever
808	402859	Decal, Blade Height

339592A

CRAFTSMAN 4-CYCLE ENGINE MODEL NUMBER: 143.963508



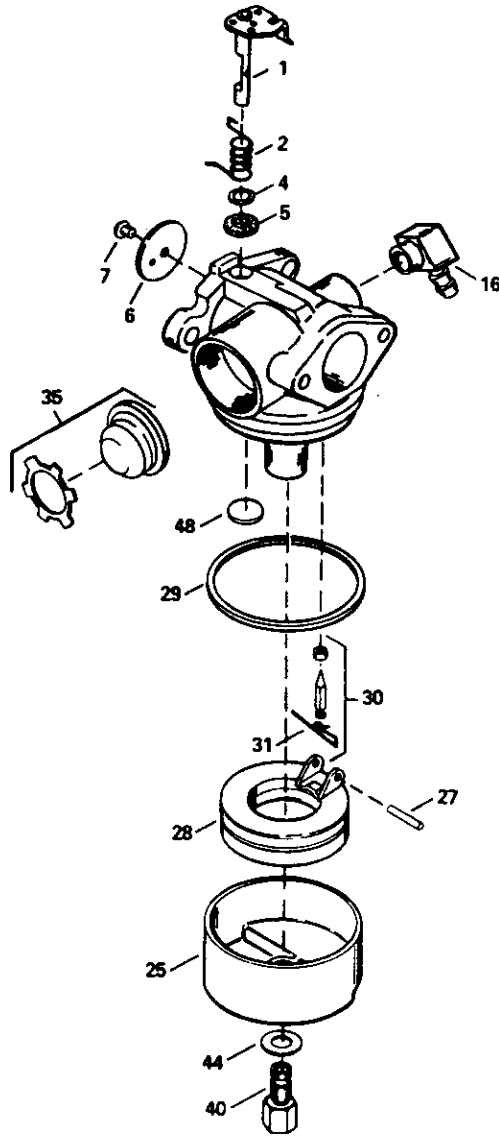
CRAFTSMAN 4-CYCLE ENGINE MODEL NUMBER: 143.963508

REF. NO.	PART NO.	PART NAME	REF. NO.	PART NO.	PART NAME
1	36470A	Cylinder (Incl. 2, 7, 20, & 125)	126	29315C	Intake Valve (1/32" OS) (Incl 151)
2	26727	Dowel	130	6021A	Screw 5/16-18 x 1-1/2"
6	33734	Breather Element	132	650708	Washer
7	36557	Breather Assy(Incl. 6 & 12A)	135	35395	Resistor Spark Plug (RJ19LM)
12A	36558	Breather Cover & Tube (Incl. 12B)	150	35991	Valve Spring
12B	34695	Breather Tube Elbow	151	31673	Valve Spring Cap
14	28277	Washer	169	27234A	Valve Cover Gasket
15	30589	Governor Rod(Incl 14)	172	32755	Valve Cover
16	32651	Governor Lever	174	30200	Screw 10-24 x 9/16"
17	31335	Governor Lever Clamp	178	29752	Nut & Lock Washer 1/4-28
18	650548	Screw, 8-32 x 5/16"	179	30593	Retainer Clip
19	36281	Extension Spring	182	6201	Screw 1/4-28 x 7/8"
20	32600	Oil Seal	184	26756	Carburetor to intake Pipe Gasket
30	34460A	Crankshaft	185	36544	Intake Pipe
40	34514	Piston, Pin & Ring Set(std)	186	34337	Governor Link
40	34515	Piston, Pin & Ring Set (0.010 OS)	200	35727	Control Bracket (Incl. 202 thru 206)
40	34516	Piston, Pin & Ring Set (0.020OS)	202	36482	Compression Spring
41	32538B	Piston & Ring Assy (Std) (Incl 43)	203	31342	Compression Spring
41	32548B	Piston & Pin Assy (.010" OS) Incl 43	204	650549	Screw 5-40 x 7/16"
41	32549B	Piston & Pin Assy (.020" OS (Incl 43)	205	650777	Screw, 6-32 x 21/32"
42	28986	Ring Set (Std)	206	610973	Terminal
42	28987	Ring Set (.010" OS)	207	34336	Throttle Link
42	28988	Ring Set (.020" OS)	209	30200	Screw 10-32 x 9/16"
43	20381	Piston Pin Retain Ring	215	32410	Control Knob
45	30963B	Connecting Rod Assy (Incl 46 & 49)	223	650451	Screw 1/4-20 x 1"
46	32610A	Connecting Rod Bolt	224	34690A	Intake Pipe Gasket
48	27241	Valve Lifter	238	650932	Screw 10-32 x 49/64"
49	28594	Oil Dipper	239	34338	Air Cleaner Gasket
50	35990	Camshaft (BCR)	241	35797	Air Cleaner Collar
52	29914	Oil Pump Assy.	245	35066	Air Cleaner Filter
69	35261	Mounting Flange Gasket	250	35065	Air Cleaner Cover
70	30571C	Mounting Flange (Incl 72 thru 83, 311)	260	36420A	Blower Housing
72	36083	Oil Drain Plug	261	30200	Screw 10-24 x 9/16"
75	26208	Oil Seal	262	650831	Screw 1/4-20 x 1/2"
80	30574A	Governor Shaft	275	35708	Muffler (Incl 277)
81	30590A	Washer	277	650795	Screw 1/4-20 x 2-1/4"
82	30591	Governor Gear Assy (Incl 81)	285	35000A	Starter Cup
83	30588A	Governor Spool	287	650926	Screw 8-32 x 21/64"
86	650488	Screw 1/4-20 x 1-1/4"	290	34357	Fuel Line
89	610961	Flywheel Key	292	26460	Fuel Line Clamp
90	611123	Flywheel	300	35586	Fuel Tank
92	650815	Belleville Washer	301	35355	(Incl 292 & 301) Fuel Cap
93	650816	Flywheel Nut	311	27625	Oil Fill Plug
100	34443A	Solid State Ignition	313	34080	Spacer
103	651007	Screw, Torx T-15, 10-24 x 15/16"	370A	36261	Lubrication Decal
110	36816	Ground Wire	370B	35169	Control Decal
110A	36230	Ground Wire	380	632046A	Carburetor (Incl 184)
119	36437	Cylinder Head Gasket	390	590694	Rewind Starter
120	36474	Cylinder Head (Incl 130)	400	36475	Gasket Set
125	36471	Exhaust Valve (Std) (Incl. 151)			
125	36472	Exhaust Valve (1/32" OS) (Incl 151)			
126	29314B	Intake Valve (Std) (Incl 151)			

You may order a spark arrester kit 36664 which contains muffler, screen and hardware. This engine could have been built with 590737 starter. Refer to the design of the rope pulley strength ribs for part identification. Individual starter parts do not interchange.

CRAFTSMAN 4-CYCLE ENGINE MODEL NUMBER: 143.963508

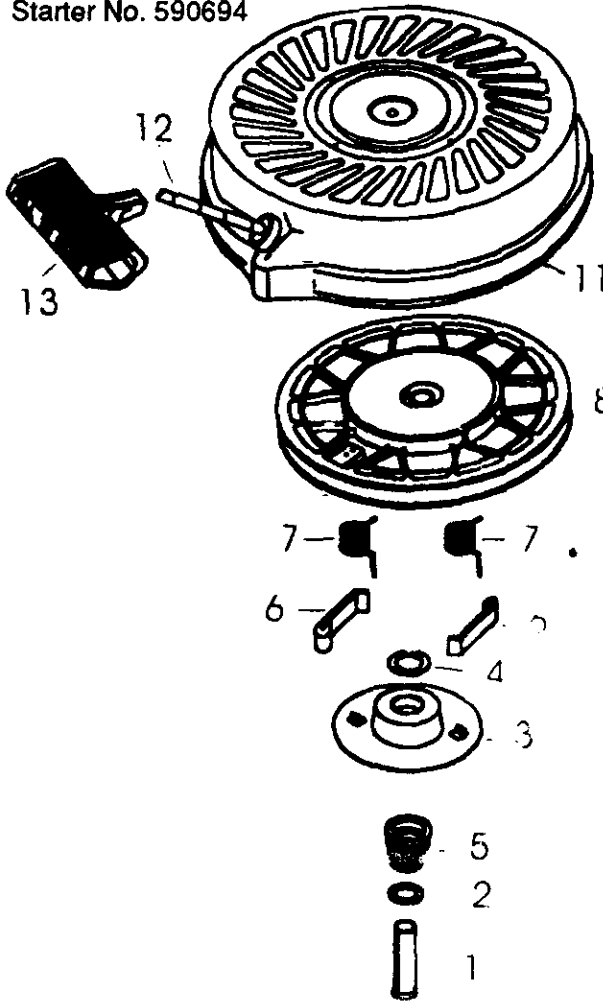
Carburetor No.632046A



REF. NO.	PART NO.	PART NAME	REF. NO.	PART NO.	PART NAME
0	632046A	Carburetor (Incl. 184 of Engine Parts List)	27	631024	Float Shaft
1	631615	Throttle Shaft & Lever Ass'y.	28	632019	Float
2	631767	Throttle Return Spring	29	631028	Float Bowl "O" Ring
4	631184	Dust Seal Washer	30	631021	Inlet Needle, Seat, Clip (incl 31)
5	631183	Dust Seal (Throttle)	31	631022	Spring Clip
6	631616	Throtter Shutter	35	632047	Primer Bulb/Retainer Ring
7	650506	Shutter Screw	40	631937A	High Speed Bowl Nut
16	631775	Fuel Fitting	44	631334	Bowl Nut Washer
25	631700	Float Bowl	48	631027	Welch Plug Atmospheric Vent

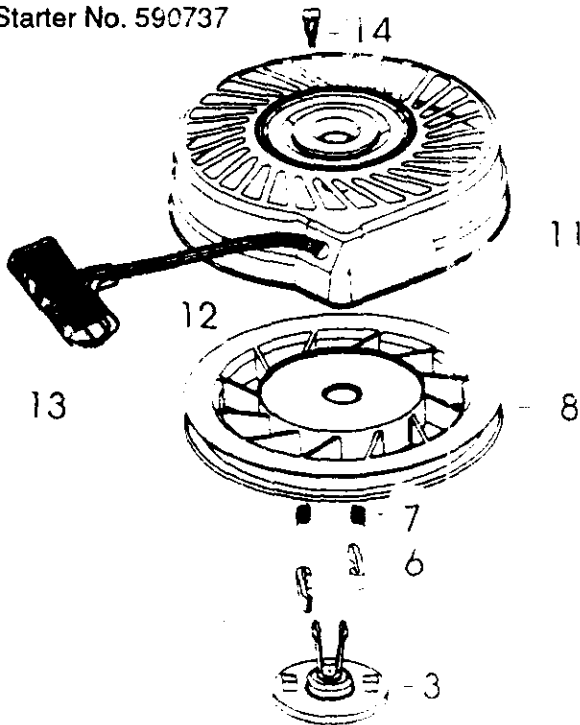
CRAFTSMAN 4-CYCLE ENGINE MODEL NUMBER: 143.963508

Starter No. 590694



REF. NO.	PART NO.	PART NAME
1	590694	Rewind Starter
	590599A	Spring Pin (Incl.4)
2	590600	Washer
3	590696	Retainer
4	590601	Washer
5	590697	Brake Spring
6	590698	Starter Dog
7	590699	Dog Spring
8	590700	Pulley & Rewind Sprg Assy.
11	590695	Starter Housing Assy (40° grommet)
12	590535	Starter Rope
13	590701	Starter Handle

Starter No. 590737



REF. NO.	PART NO.	PART NAME
	590737	Rewind Starter
3	590740	Retainer
6	590616	Starter Dog
7	590617	Dog Spring
8	590618A	Pulley & Rewind Spring Assy
11	590687A	Starter Housing Assy
12	590535	Starter Rope
13	590701	Starter Handle
14	590741	Locking Tab

NOTES

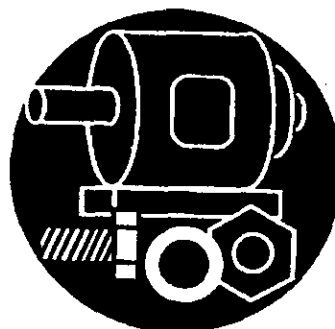
NOTES

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For information on purchasing a Sears Maintenance Agreement or to inquire about an existing Agreement

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When requesting service or ordering parts, always provide the following information:

- Product Type
- Part Number
- Model Number
- Part Description

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