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Owner's Manual

**CRAFTSMAN®**

## WHEELED WEEDTRIMMER

675 Series Briggs & Stratton Engine  
22 Inch Cut

Model No.  
**944.361161**



**⚠ CAUTION:**  
Read and follow all  
Safety Rules and Instructions  
before operating this equipment.

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## SAFETY RULES



The operation of any trimmer can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your trimmer or performing any adjustments or repairs. We recommend standard safety glasses or a wide vision safety mask worn over spectacles.

⚠ Look for this symbol to point out important safety precautions. It means **CAUTION!!! BECOME ALERT!!! YOUR SAFETY IS INVOLVED.**

⚠ **WARNING:** In order to prevent accidental starting when setting up, transporting, adjusting or making repairs, always disconnect spark plug wire and place wire where it cannot contact plug.

⚠ **CAUTION:** Muffler and other engine parts become extremely hot during operation and remain hot after engine has stopped. To avoid severe burns on contact, stay away from these areas.



### I. GENERAL OPERATION

- Read, understand, and follow all instructions on the machine and in the manual before starting. Be thoroughly familiar with the controls and the proper use of the machine before starting.
- Do not put hands or feet near or under rotating parts.
- Keep all parts of your body away from muffler and spinning line. A hot muffler can cause serious burns.
- Only allow responsible individuals, who are familiar with the instructions, to operate the machine.
- Stay away from breakable objects, such as house windows, auto glass, greenhouses, etc.
- Clear the area of objects such as rocks, toys, wire, bones, sticks, etc., which could be picked up and thrown by the spinning lines.

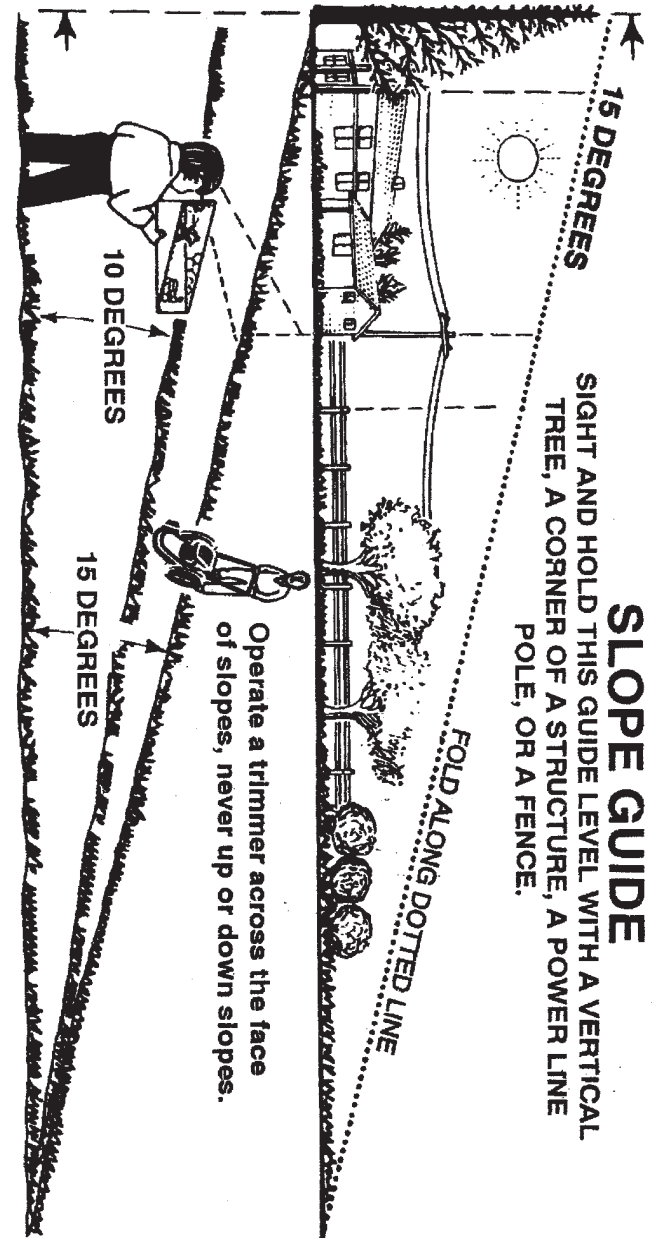
- Be sure the area is clear of other people before trimming, particularly small children and pets. Stop machine if anyone enters the area.
- Wear appropriate clothing such as a long-sleeved shirt or jacket. Also wear long trousers or slacks. Do not wear shorts.
- Do not wear loose clothing which could get caught in this equipment.
- Do not operate the machine when bare-foot or wearing open sandals. Always wear work gloves and sturdy footwear. Leather work shoes or short boots work well for most people. These will protect the operator's ankles and shins from small sticks, splinters, and other debris, and improve traction.
- Do not pull machine backwards unless absolutely necessary. Always look down and behind before and while moving backwards.
- Do not operate the machine without proper guards, plates or other safety protective devices in place.
- See manufacturer's instructions for proper operation and installation of accessories. Only use accessories approved by the manufacturer.
- Never use blades, wire, or flailing devices. This unit is designed for line trimmer use only. Use of other accessories or attachments will increase the risk of injury.
- Stop the rotating trimmer head when crossing gravel drives, walks, or roads.
- Stop the engine (motor) whenever you leave the equipment and allow it to cool, before cleaning, repairing or inspecting the unit. Be sure the trimmer head and all moving parts have stopped.



Use extreme care at all times and avoid sudden turns or maneuvers. Follow other instructions in this manual for safety in trimming on slopes. Operate a trimmer across the face of slopes, never up or down slopes. Use extra care when operating on or near slopes and obstructions.

A 10 degree slope is a hill that increases in height at approximately 1.7 feet in 10 feet. A 15 degree slope is a hill that increases in height at approximately 2.5 feet in 10 feet.

Use this guide and do not trim on a slope greater than 15 degrees.



KEY PART NO.	PART NO.	DESCRIPTION	KEY PART NO.	PART NO.	DESCRIPTION
562	691119	Bolt (Governor Control Lever)	871	63709	Bushing-Valve Guide (Intake Valve)
563	691138	Screw (Debris Screen Guard)			
564	690351	Screw (Control Cover)	883	691881	Gasket-Exhaust
584	697734	Cover-Breather Passage	949	696306	Guard-Debris Screen
585	691879	Gasket-Breather Passage	957	692046	Cap-Fuel Tank
592	690800	Nut (Rewind Starter)	966	795259	Base-Air Cleaner Primer
597	691696	Screw (Pawl Friction Plate)	967	493537s	Filter-Pre Cleaner
601	791850	Clamp-Hose (Green)	968	692298	Cover-Air Cleaner
604	691757	Cover-Control	972	699374	Tank-Fuel
608	697671	Starter-Rewind	975	493640	Bowl-Fuel
613	691340	Screw (Muffler)	976	694395	Primer-Carburetor
615	690340	Retainer-Governor Shaft	994	398067	Arrester-Spark
616	698801	Crank-Governor	997	696310	Shield-Debris
617	270344s	Seal-O Ring (Intake Manifold)	1005	691346	Fan-Flywheel
621	692310	Switch-Stop (Brake)	1036	- - -	Label-Emissions (Available from any Briggs & Stratton Authorized Dealer)
633	691321	Seal-Choke / Throttle Shaft (Throttle Shaft)			
633A	693867	Seal-Choke / Throttle Shaft (Choke Shaft)	1058	277039	Operator's Manual
			1059	692311	Kit-Screw / Washer (Fuel Tank)
668	493823	Spacer (Control Bracket)			
676	393760	Deflector-Muffler	1095	498528	Gasket Set-Valve
677	690661	Screw (Muffler Deflector)	1210	498144	Pulley / Spring Assembly (Pulley)
684	690345	Screw (Breather Passage Cover)	1211	498144	Pulley / Spring Assembly (Spring)
689	691855	Spring-Friction			
703	696309	Clip (Debris Shield)	1329		Replacement Engine
718	690959	Pin-Locating	1330	270962	Repair Manual
741	795755	Gear-Timing (Includes Shim)			
842	691031	Seal-O Ring (Dipstick Tube)			Carburetor Overhaul Kit, Key Number 121
847	692047	Dipstick / Tube Assembly			
851	493880s	Terminal-Spark Plug			Engine Gasket Set, Key Number 358
868	697338	Seal-Valve			
869	691155	Seat-Valve (Intake)			Valve Gasket Set, Key Number 1095
870	690380	Seat-Valve (Exhaust)			
871	262001	Bushing-Valve Guide (Exhaust Valve)			

**NOTE:** All component dimensions given in U.S. inches. 1 inch = 25.4 mm

- Operate only in daylight or good artificial light.
- Do not operate the machine while under the influence of alcohol or drugs.
- Never operate machine in wet grass. Always be sure of your footing: keep a firm hold on the handle and walk; never run.
- If the equipment should start to vibrate abnormally, stop the engine (motor) and check immediately for the cause. Vibration is generally a warning of trouble.
- Always wear safety goggles or safety glasses with side shields when operating machine.

**II. SLOPE OPERATION**

Slopes are a major factor related to slip and fall accidents which can result in severe injury. All slopes require extra caution. If you feel uneasy on a slope, do not trim it.

**DO:**

- Trim across the face of slopes: never up and down. Exercise extreme caution when changing direction on slopes.
- Remove obstacles such as rocks, tree limbs, etc.
- Watch for holes, ruts, or bumps. Tall grass can hide obstacles.

**DO NOT:**

- Do not trim near drop-offs, ditches or embankments. The operator could lose footing or balance.
- Do not trim excessively steep slopes.
- Do not trim on wet grass. Reduced footing could cause slipping.

**III. CHILDREN**

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the trimming activity. Never assume that children will remain where you last saw them.

- Keep children out of the trimming area and under the watchful care of another responsible adult.

**⚠ WARNING:** This trimmer 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 above 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 for the muffler is available through your nearest Sears Service Centre/Department in Canada (see the REPAIR PARTS section of this manual).

- Be alert and turn machine off if children enter the area.
- Before and while moving backwards, look behind and down for small children.
- Never allow children to operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.

**IV. SERVICE**

- Use extra care in handling gasoline and other fuels. They are flammable and vapors are explosive.
  - Use only an approved container.
  - Never remove gas cap or add fuel with the engine running. Allow engine to cool before refueling. Do not smoke.
  - Never refuel the machine indoors.
  - Never store the machine or fuel container inside where there is an open flame, such as a water heater.
  - Move away from fueling site before starting engine.
- Never run a machine inside a closed area.
- Never make adjustments or repairs with the engine (motor) running. Disconnect the spark plug wire, and keep the wire away from the plug to prevent accidental starting.
- Keep nuts and bolts, especially trimmer head and engine bolts, tight and keep equipment in good condition.
- Never tamper with safety devices. Check their proper operation regularly.
- Keep machine free of grass, leaves, or other debris buildup. Clean oil or fuel spillage. Allow machine to cool before cleaning or storing.
- Stop and inspect the equipment if you strike an object. Repair, if necessary, before restarting.
- Do not change the engine governor setting or overspeed the engine.
- Clean and replace safety and instruction decals as necessary.

## WARRANTY

**GENERAL:** Craftsman products are warranted to be free from defects in materials or workmanship for a specific time period as set-out below (the "Warranty Period"). Warranties extend to the original purchaser of a Craftsman product only. Purchases made through an online auction or through any website other than www.sears.ca are excluded. The relevant Warranty Period commences on the original date of purchase. Within this period, Sears Canada, Inc. will, at its sole option, repair or replace any products or components which fail in normal use. Such repairs or replacement will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any transportation cost.

**EXCLUSIONS:** This warranty does not cover failures due to normal wear, abuse, misuse, neglect (including but not limited to the use of stale fuel, dirt, abrasives, moisture, rust, corrosion, or any adverse reaction due to improper storage or use habits), improper maintenance or failure to follow maintenance guidelines and/or instructions, failure to operate the product in accordance with the owner's manual or any additional instructions or information provided at the time of purchase or in subsequent communications with the original purchaser, accident or unauthorized alterations or repairs made or attempted by others. Also excluded from warranty coverage – except as provided below - are the following: maintenance, adjustments, components subject to wear including but not limited to: cosmetic components, belts, blades, blade adapters, bulbs, tires, filters, guide bars, lubricants, seats, grips, recoil assy's, saw chains and bars, trimmer lines and spools, spark plugs, starter ropers and tines, and discoloration resulting from ultraviolet light. Any product missing the model and/or serial number identification label will be disqualified from coverage under this warranty.

**REPAIRS:** Repairs have a 90 day warranty. If the defective product is still within the Warranty Period, then the new warranty is 90 days from the date of repair or to the end of the original Warranty Period, whichever period is longer.

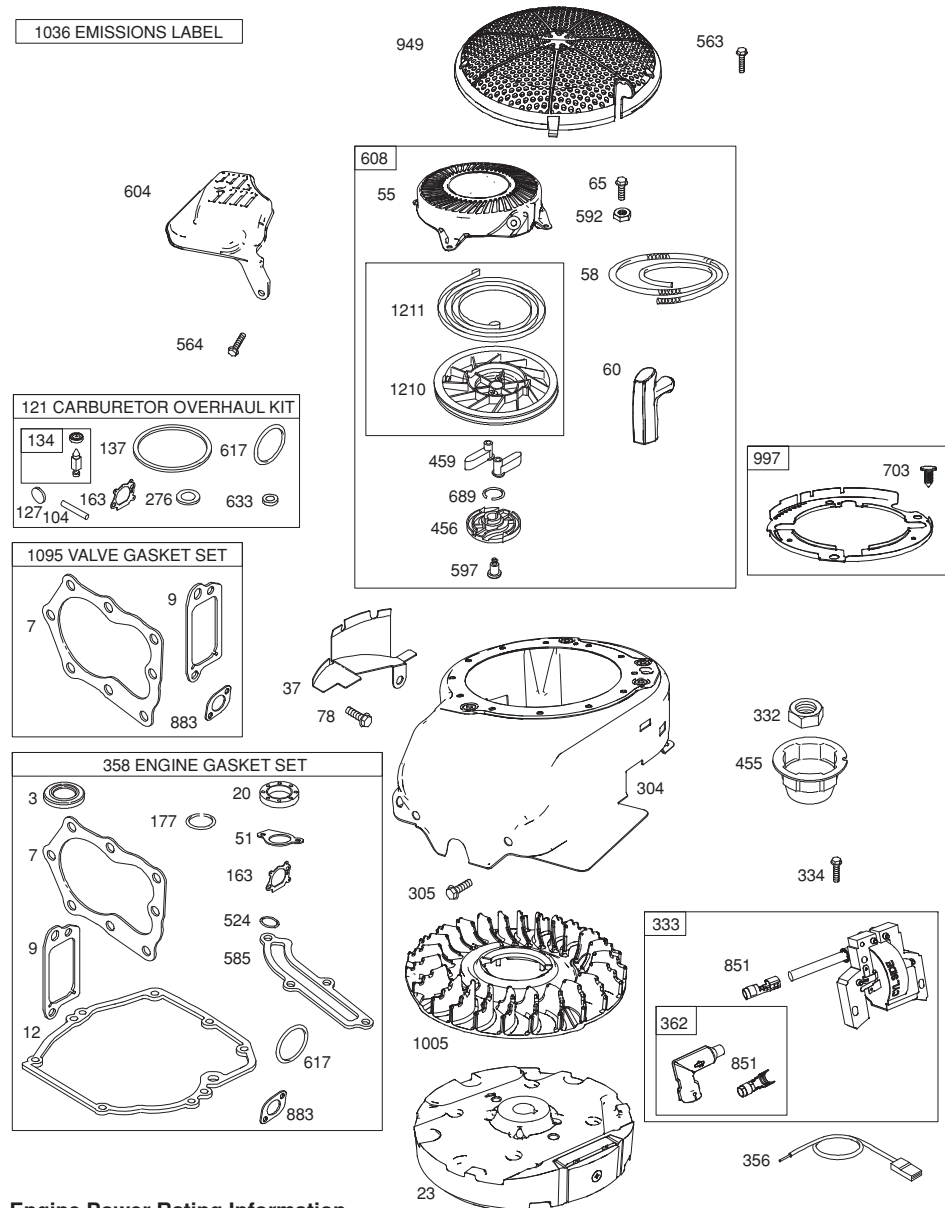
**DISCLAIMERS:** THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER ORAL OR WRITTEN (OTHER THAN AS STATED HEREIN), AND WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING BUT NOT LIMITED TO ANY. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH MAY VARY FROM PROVINCE TO PROVINCE.

IN NO EVENT SHALL SEARS BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT. THE EXCLUSIONS IN THIS PARAGRAPH SHALL NOT APPLY IN JURISDICTIONS WHERE APPLICABLE LAW DOES NOT ALLOW FOR THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. IN SUCH JURISDICTIONS, THIS PARAGRAPH SHALL NOT APPLY, BUT THE REMAINING PROVISIONS OF THIS DOCUMENT SHALL REMAIN VALID.

Sears retains the exclusive right to repair or replace the product or offer a full refund of the purchase price at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.

**CUSTOMER RESPONSIBILITIES:** In addition to complying with all suggested maintenance guidelines and instructions, customers' obligations shall include but shall not be limited to: operating the product in accordance with the owner's manual or any additional instructions or information provided at the time of purchase or in subsequent communications to the purchaser from time to time, exhibit reasonable care in the use, operation, maintenance, general upkeep and storage of the product. Failure to comply with these requirements will void any applicable warranty.

KEY PART			KEY PART		
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
1	697322	Cylinder Assembly	81	691740	Lock-Muffler Screw
2	399269	Kit-Bushing / Seal (Magneto Side)	97	696565	Shaft-Throttle
3	299819s	Seal-Oil (Magneto Side)	104	691242	Pin-Float Hinge
4	493279	Sump-Engine	108	795935	Valve-Choke
5	691160	Head-Cylinder	117	498978	Jet-Main (Standard)
7	692249	Gasket-Cylinder Head	118	497466	Jet-Main (High Altitude)
8	695250	Breather Assembly	121	498260	Kit-Carburetor Overhaul
9	699472	Gasket-Breather	125	498170	Carburetor
10	691125	Screw (Breather Assembly)	127	694468	Plug-Welch
11	691781	Tube-Breather	130	696564	Valve-Throttle
11A	691923	Tube-Breather	133	398187	Float-Carburetor
12	692232	Gasket-Crankcase	134	398188	Kit-Needle / Seat
13	690912	Screw (Cylinder Head)	137	693981	Gasket-Float Bowl
15	691680	Plug-Oil Drain	141	796193	Kit-Choke Shaft
16	691451	Crankshaft (Includes Shim)	163	795629	Gasket-Air Cleaner
20	399781s	Seal-Oil (PTO Side)	187	791766	Line-Fuel (Cut To Required Length)
22	691092	Screw (Crankcase Cover / Sump)	188	693999	Screw (Control Bracket)
23	790536	Flywheel	190	690940	Screw (Fuel Tank)
24	222698s	Key-Flywheel	202	691829	Link-Mechanical Governor
25	797302	Piston Assembly (Standard)	209	691291	Spring-Governor (Vermillion)
	797303	Piston Assembly (.020" Oversize)	222	790143	Bracket-Control
26	797304	Ring Set (Standard)	227	690783	Lever-Governor Control
	797305	Ring Set (.020" Oversize)	276	271716	Washer-Sealing
27	691588	Lock-Piston Pin	287	690940	Screw (Dipstick Tube)
28	298909	Pin-Piston	300	692038	Muffler
29	797306	Rod-Connecting	304	493294	Housing-Blower
32	691664	Screw (Connecting Rod) (Short)	305	691108	Screw (Blower Housing)
32A	695759	Screw (Connecting Rod) (Long)	306	690450	Shield-Cylinder
33	262651s	Valve-Exhaust	307	690345	Screw (Cylinder Shield)
34	262652s	Valve-Intake	332	690662	Nut (Flywheel)
35	691270	Spring-Valve (Intake)	333	793353	Armature-Magneto
36	691270	Spring-Valve (Exhaust)	334	691061	Screw (Magneto Armature)
37	793756	Guard-Flywheel	337	796112s	Plug-Spark
40	692194	Retainer-Valve	346	690661	Screw (Spark Arrester)
43	691997	Slinger-Governor / Oil	356	692390	Wire-Stop
45	690548	Tappet-Valve	358	794307	Gasket Set-Engine
46	691449	Camshaft	362	793351	Shield-Spark Plug
48	- - -	Short Block	365	691688	Screw (Carburetor)
50	794305	Manifold-Intake	404	690272	Washer (Governor Crank)
51	794306	Gasket-Intake	425	690670	Screw (Air Cleaner Cover)
54	691650	Screw (Intake Manifold)	443	692523	Screw (Air Cleaner Primer Base)
55	697670	Housing-Rewind Starter	445	491588s	Filter-Air Cleaner Cartridge
58	697316	Rope-Starter	455	791960	Cup-Flywheel
60	281434s	Grip-Starter Rope	456	692299	Plate-Pawl Friction
65	690837	Screw (Rewind Starter)	459	281505s	Pawl-Ratchet
78	691108	Screw (Flywheel Guard)	505	691251	Nut (Governor Control Lever)
			523	499621	Dipstick
			524	692296	Seal- Dipstick Tube
			525	495265	Tube-Dipstick



**Engine Power Rating Information**

The gross power rating for individual gas engine models is labeled in accordance with SAE (Society of Automotive Engineers) code J1940 (Small Engine Power & Torque Rating Procedure), and rating performance has been obtained and corrected in accordance with SAE J1995 (Revision 2002-05). Torque values are derived at 3060 RPM; horsepower values are derived at 3600 RPM. Actual gross engine power will be lower and is affected by, among other things, ambient operating conditions and engine-to-engine variability. Given both the wide array of products on which engines are placed and the variety of environmental issues applicable to operating the equipment, the gas engine will not develop the rated gross power when used in a given piece of power equipment (actual "on-site" or net power). This difference is due to a variety of factors including, but not limited to, accessories (air cleaner, exhaust, charging, cooling, carburetor, fuel pump, etc.), application limitations, ambient operating conditions (temperature, humidity, altitude), and engine-to-engine variability. Due to manufacturing and capacity limitations, Briggs & Stratton may substitute an engine of higher rated power for this Series engine.

**WARRANTY**

**LIST OF APPLICABLE WARRANTY PERIODS:** The following list contains the applicable Warranty Period for your Craftsman product and is based on a combination of the type of product or component and the intended and actual use of the product or component:

1. **90 DAYS:** Craftsman products intended for use or actually used for commercial, institutional, professional or income-producing purposes
2. **2 YEARS:** Craftsman riding lawn mowers, yard and garden tractors, walk behind mowers, tillers, brush cutters, snow blowers, handheld blowers, backpack blowers, hedge trimmers and electrical products for noncommercial, nonprofessional, non-institutional, or non-income-producing use, except for those components which are part of engine systems manufactured by third party engine manufacturers for which the purchase has received an separate warranty with product information supplied at the time of purchase.
3. **1 YEAR:** Craftsman power cutters, stump grinders, pole pruners, gas chain saws, electric chain saws, trimmer attachments, baggers and pole saws for noncommercial, nonprofessional, non-institutional, or non-income-producing use.
4. **90 DAYS:** All defective batteries, which will be replaced during this 90-day Warranty Period.
5. **60 DAYS:** Additional Warranty Period of 60 days will apply to adjustments and worn products or components **BUT DOES NOT INCLUDE WEAR OR ADJUSTMENTS** for products used for commercial, institutional, professional or income-producing purposes. Wear items include but are not limited to: belts, blades, tires, spark plugs, air filters, chains, shear bolts, skid plates, scraper bars, drift cutters, ropes, tines, collection bags and pulleys.

As the Warranty Period runs from the date of purchase and NOT from the date that a product is delivered, opened, assembled or first used, please ensure during this time period that your product or component has been assembled and tested for correction operation regardless of when you intend to actually use it. Claims made after the Warranty Period has expired will not be honored.

**PROOF OF PURCHASE/DOCUMENTATION:** Warranty coverage is conditioned upon the original purchaser furnishing Sears Canada or its authorized third party service provider if applicable, with the original sales receipt or other adequate written proof of the original purchase date and identification of the product. In the event that the original purchaser is unable to provide a company of the original sales receipt, Sears Canada Inc. reserves the right to determine in its sole discretion what other written proof of the original purchase date and identification of the product is acceptable.

Read these instructions and this manual in its entirety before you attempt to assemble or operate your new trimmer.

**IMPORTANT:** This trimmer is shipped WITHOUT OIL OR GASOLINE in the engine.

Your new trimmer has been assembled at the factory with the exception of those parts left unassembled for shipping purposes. All parts such as nuts, washers, bolts, etc., necessary to complete the assembly have been placed in the parts bag. To ensure safe and proper operation of your trimmer, all parts and hardware you assemble must be tightened securely. Use the correct tools as necessary to ensure proper tightness. When right hand (RH) or left hand (LH) is mentioned in this manual, it means when you are in the operating position (standing behind the handle).

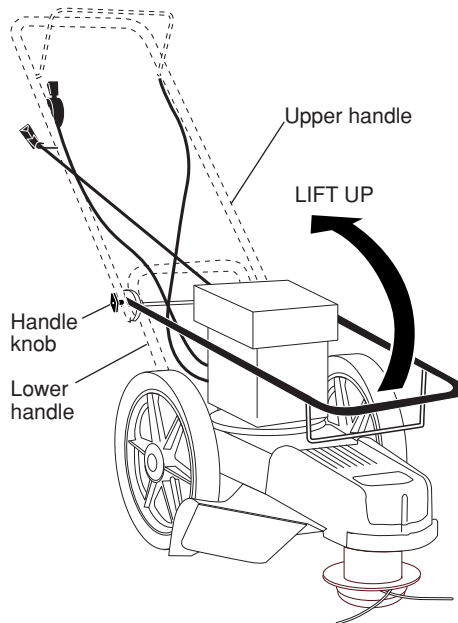
### Loose Parts Packed Separately



Bottle of oil



Trimmer Lines  
(2) Sets  
(0.155 diameter  
x 18.75 inches long)



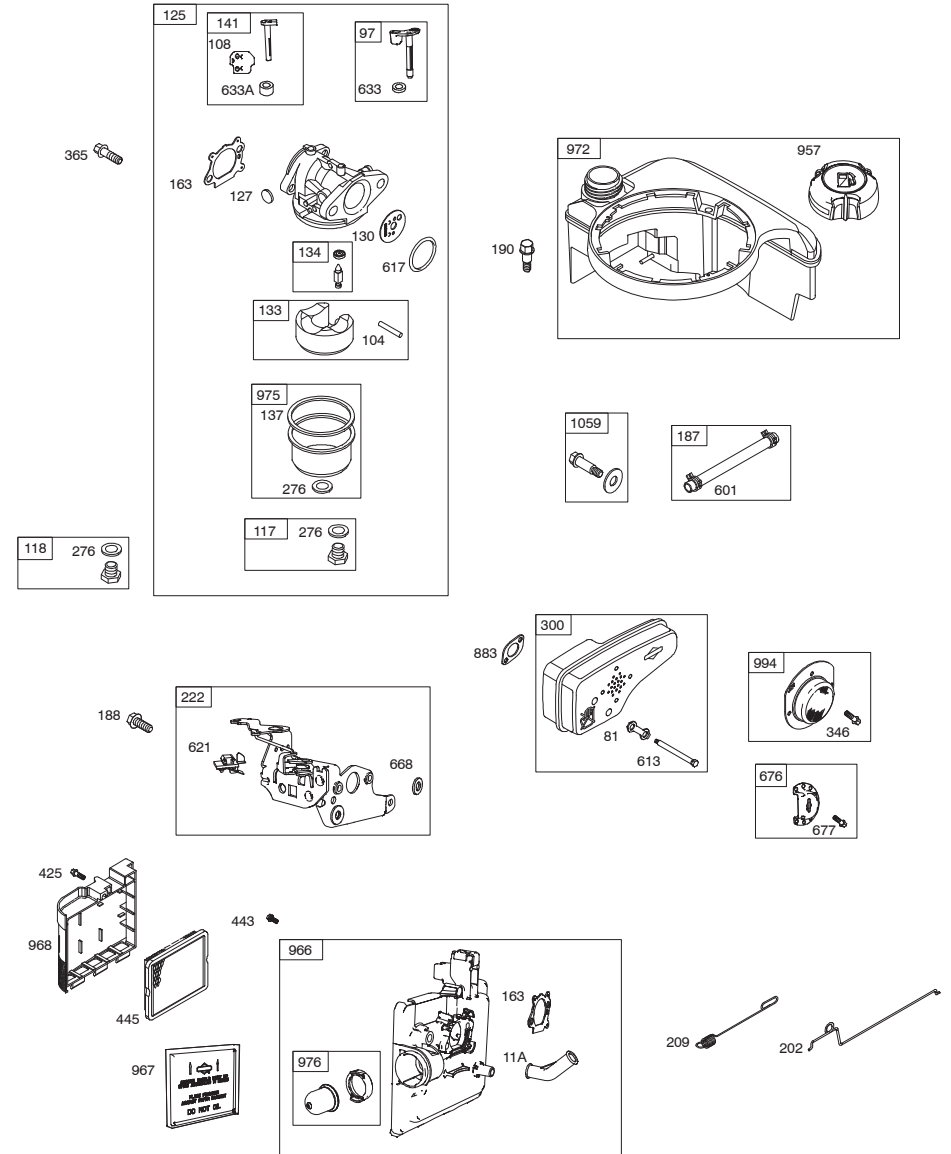
### TO REMOVE TRIMMER FROM CARTON

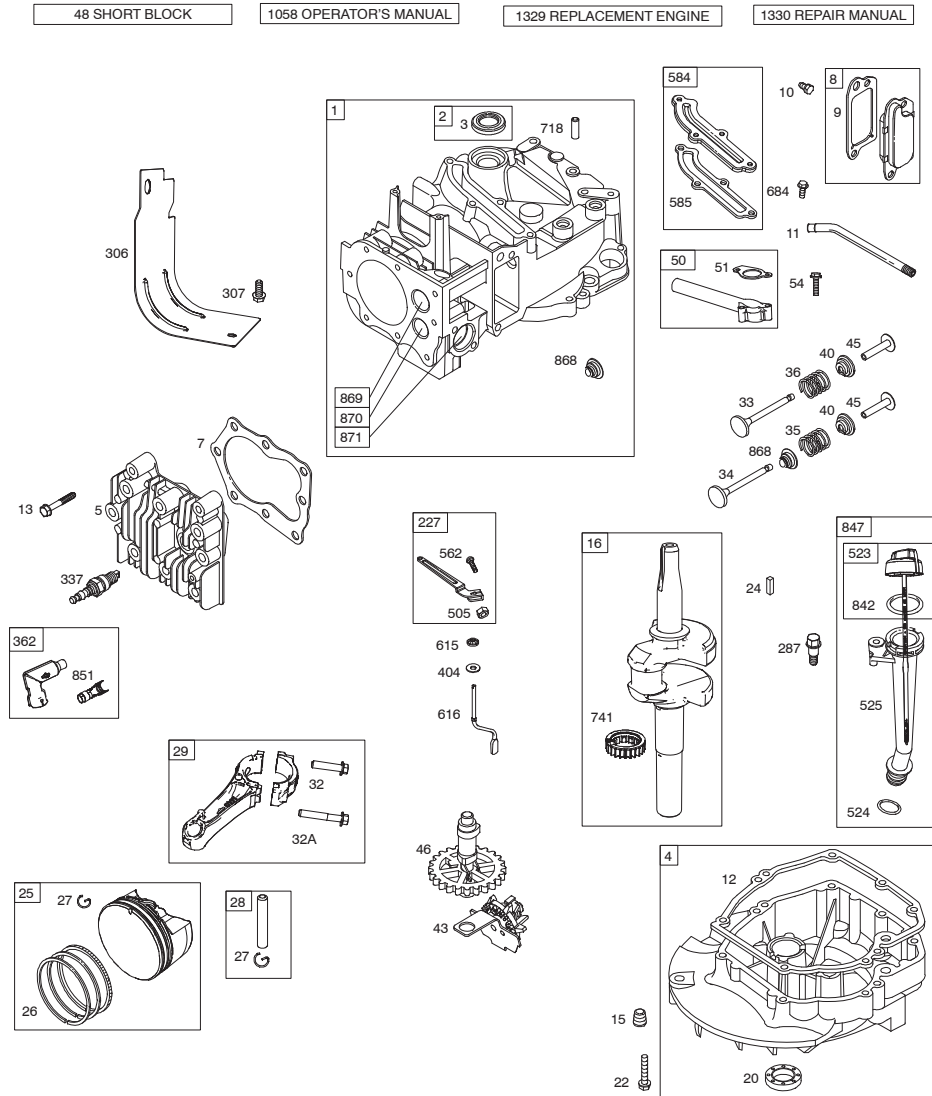
1. Remove loose parts included with trimmer.
2. Cut down two end corners of carton and lay end panel down flat.
3. Remove all packing materials.
4. Roll trimmer out of carton and check carton thoroughly for additional loose parts.

### HOW TO SET UP YOUR TRIMMER TO UNFOLD HANDLE

**IMPORTANT:** Unfold handle carefully so as not to pinch or damage control cables.

1. Loosen handle knob enough to allow upper handle to be unfolded from the shipping position.
  2. Raise upper handle section into place on lower handle and tighten handle knob.
  3. Remove handle padding holding trimmer head control bar to upper handle.
- Your trimmer handle can be adjusted for your trimming comfort. Refer to "ADJUST HANDLE" in the Service and Adjustments section of this manual.





## OPERATION

### KNOW YOUR TRIMMER

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

These symbols may appear on your trimmer or in literature supplied with the product. Learn and understand their meaning.



### WARNING

### AVOID SERIOUS INJURY OR DEATH



READ AND FOLLOW OWNER'S MANUAL. LEA Y SIGA EL MANUAL DEL PROPIETARIO.



DO NOT OPERATE WHEN CHILDREN OR OTHERS ARE AROUND. REMOVE OBJECTS THAT COULD BE THROWN BY THE CUTTING LINES.



GO ACROSS SLOPES NOT UP AND DOWN.



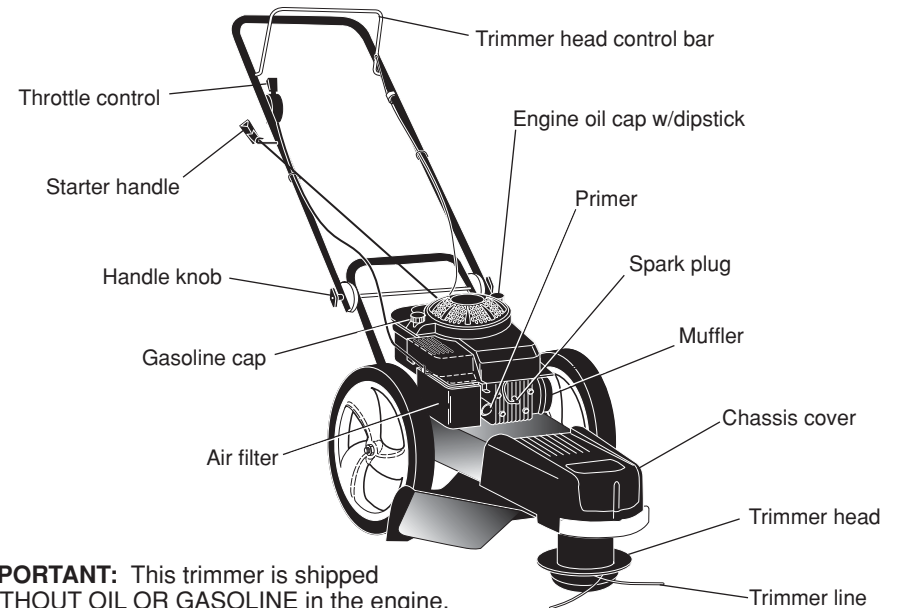
DO NOT SERVICE OR ADJUST CUTTING HEAD OR OTHER MOVING PARTS UNLESS ENGINE IS STOPPED AND SPARK PLUG WIRE IS DISCONNECTED.



WEAR SAFETY APPROVED EYE PROTECTION WHEN OPERATING.

- LOOK DOWN AND BEHIND BEFORE AND WHILE MOVING BACKWARDS.

- KEEP SAFETY DEVICES, SUCH AS GUARDS AND DEFLECTORS, IN PLACE AND OPERATING.



**IMPORTANT:** This trimmer is shipped WITHOUT OIL OR GASOLINE in the engine.

**Trimmer head control bar** – must be held down to the handle to engage trimmer head. Release to stop the trimmer head.  
**Primer** – pumps additional fuel from the carburetor to the cylinder for use when starting a cold engine.

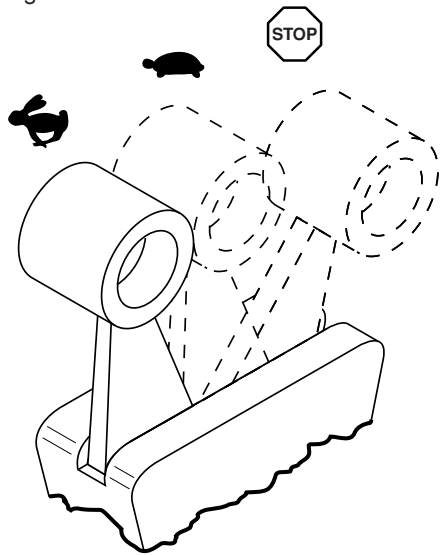
**Throttle control** – used for starting and stopping the engine and allows you to select either fast or slow engine speed.  
**Starter handle** – used for starting the engine.



The operation of any trimmer can result in foreign objects being thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your trimmer or performing any adjustments or repairs. We recommend standard safety glasses or a wide vision safety mask worn over spectacles.

## HOW TO USE YOUR TRIMMER ENGINE SPEED

The engine speed is controlled by a throttle located on the side of the upper handle. FAST position is for starting and normal trimming. SLOW is for light trimming and fuel economy. STOP is for stopping the engine.



## TRIMMER HEAD DRIVE CONTROL

Your trimmer is equipped with a trimmer head drive control bar which will require the operator to be positioned behind the trimmer handle to operate the trimmer.

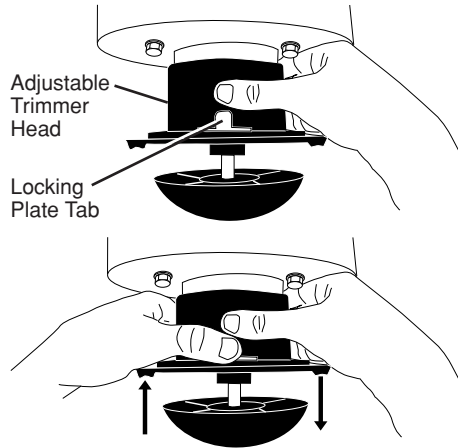
- Trimmer head rotation is controlled by holding the trimmer head control bar down to the handle.
- Trimmer head rotation will stop when the control bar is released.

## TO ADJUST TRIMMING HEIGHT

**CAUTION:** Stop the engine and wait for all moving parts to stop. Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.

The height of cut can be set to six (6) different positions ranging from 1-1/2 inches to 3 inches. Recommended cutting height for the average yard is 2 inches.

1. To adjust trimming height, push in the locking plate tab and move trimmer head up or down to desired position.
2. Release tab and be sure head is locked into one of the six (6) height positions.



## BEFORE STARTING ENGINE

### ADD OIL

Your trimmer is shipped without oil in the engine. For type and grade of oil to use, see "ENGINE" in the Maintenance section of this manual.

**CAUTION:** DO NOT overfill engine with oil, or it will smoke on startup.

1. Be sure trimmer is level and area around oil fill is clean.
2. Remove oil dipstick from oil fill spout. Make sure that rim of spout is clean.
3. You receive a container of oil with the unit. Slowly pour the entire container down the oil fill spout into the engine.

**NOTE:** Initial oil fill requires only 18 oz. due to residual oil in engine from the manufacturers 100% quality testing. When changing oil you may need 20 oz.

4. Insert and tighten dipstick.

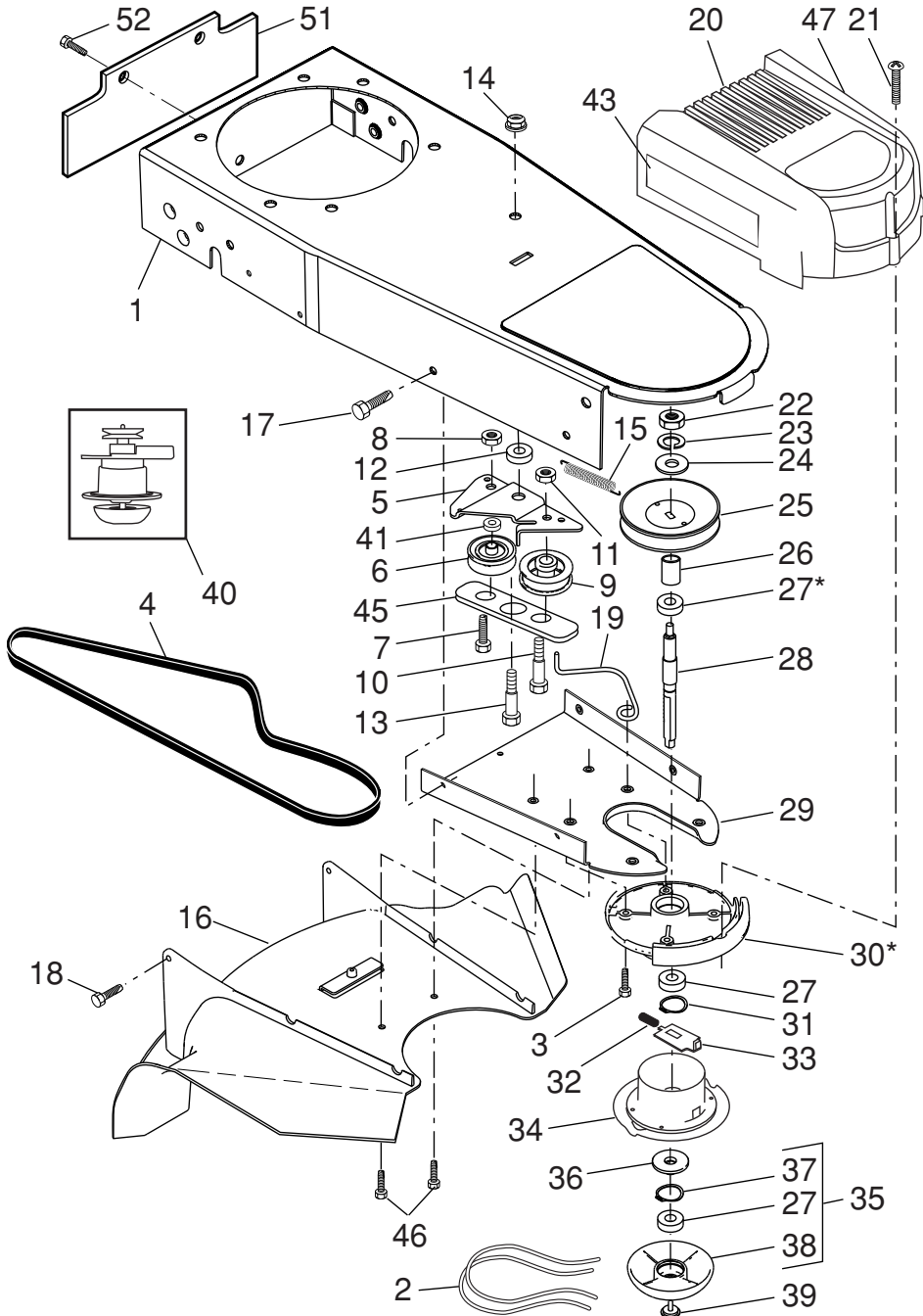
## CRAFTSMAN WEED TRIMMER - - MODEL NUMBER 944.361161

KEY NO.	PART NO.	DESCRIPTION
1	174031X615	Chassis Assembly
2	182219	Line, Trimmer .155 diameter x 18.75 long
3	173715	Screw, Self-Tapping 5/16-18 x 1
4	185476	V-Belt
5	172145X004	Bracket, Idler
6	166042	Pulley, Idler, V-Groove
7	173716	Bolt, Hex Head 3/8-16 x 1.25
8	73930600	Locknut, Hex 3/8-16
9	166043	Pulley, Idler, Flat
10	160829	Bolt, Shoulder
11	73930500	Locknut 5/16-18
12	173717	Spacer
13	174719	Bolt, Shoulder
14	409149	Locknut, Flange
15	173811	Spring, Return
16	180268	Deflector, Bottom
17	17060410	Screw 1/4-20 x 1/2
18	178848	Screw #10-24 x 3/4
19	199574	Belt Keeper
20	430485	Cover, Chassis, Top
21	149746	Screw #10-24 x 1-3/4
22	STD541137	Nut, Hex 3/8-24 UNF
23	STD551137	Washer, Lock 3/8
24	STD551037	Washer, Flat 3/8
25	180340	Pulley, Driven
26	172551	Spacer, Pulley
27	174549	Bearing
28	172520	Jackshaft
29	169766X479	Cover, Chassis, Bottom
30	174543	Spindle Housing Assembly (* Includes Upper Bearing, Key No. 27)
31	174581	Ring, Retaining, External, 17mm
32	173973	Spring, Locking Plate
33	172519	Locking Plate
34	180338	Carrier Plate Assembly
35	182217	Mow Ball Assembly (Includes Key Numbers 27, 37 and 38)
36	172516	Cover, Bearing
37	174580	Ring, Retaining, Internal, 40mm
38	172523	Mow Ball
39	180334	Bolt, Mow Ball
40	180333	Spindle Assembly, Complete (Includes Key No. 22-28 and 30-39)
41	174029	Spacer
43	174042	Decal, Instruction
45	174596X479	Belt Keeper, Bottom
46	17060408	Screw, Self-Tapping
47	182205	Decal, Instruction
51	189006	Deflector, Rear
52	178848	Screw

**NOTE:** All component dimensions given in U.S. inches. 1 inch = 25.4 mm.  
**IMPORTANT:** Use only Original Equipment Manufacturer (O.E.M.) replacement parts. Failure to do so could be hazardous, damage your weed trimmer and void your warranty.



**CRAFTSMAN WEED TRIMMER -- MODEL NUMBER 944.361161**



**IMPORTANT:**

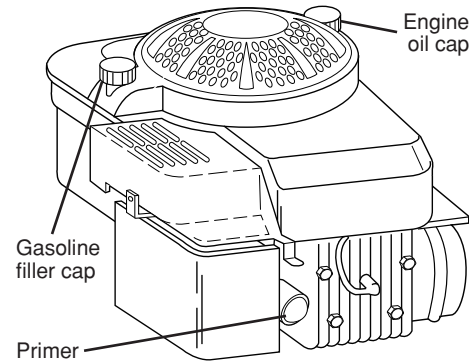
- Check oil level before each use. Add oil if needed. Fill to full line on dipstick.
- Change the oil after every 25 hours of operation or each season. You may need to change the oil more often under dusty, dirty conditions.

**ADD GASOLINE**

- Fill fuel tank to bottom of tank filler neck. Do not overfill. Use fresh, clean, regular unleaded gasoline with a minimum of 87 octane. Do not mix oil with gasoline. Purchase fuel in quantities that can be used within 30 days to assure fuel freshness.

**⚠ CAUTION:** Alcohol blended fuels (called gasohol or using 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 avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain the gas tank, start the engine and let it run until the 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.

**⚠ CAUTION:** Wipe off any spilled oil or fuel. Do not store, spill or use gasoline near an open flame.



**TO STOP ENGINE**

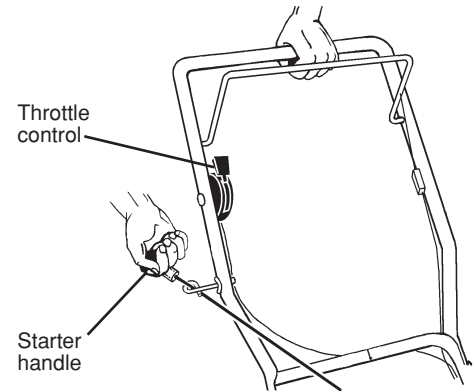
- To stop engine, move throttle control lever to STOP position.

**TO START ENGINE**

1. To start a cold engine, push primer three (3) times before trying to start. Use a firm push. This step is not usually necessary when starting an engine which has already run for a few minutes.

2. Move throttle control lever to FAST position.
3. Hold upper handle firmly and pull starter handle quickly. Do not allow starter rope to snap back.

**NOTE:** In cooler weather it may be necessary to repeat priming steps. In warmer weather overpriming may cause flooding and engine will not start. If you do flood engine, wait a few minutes before attempting to start and **DO NOT** repeat priming steps.



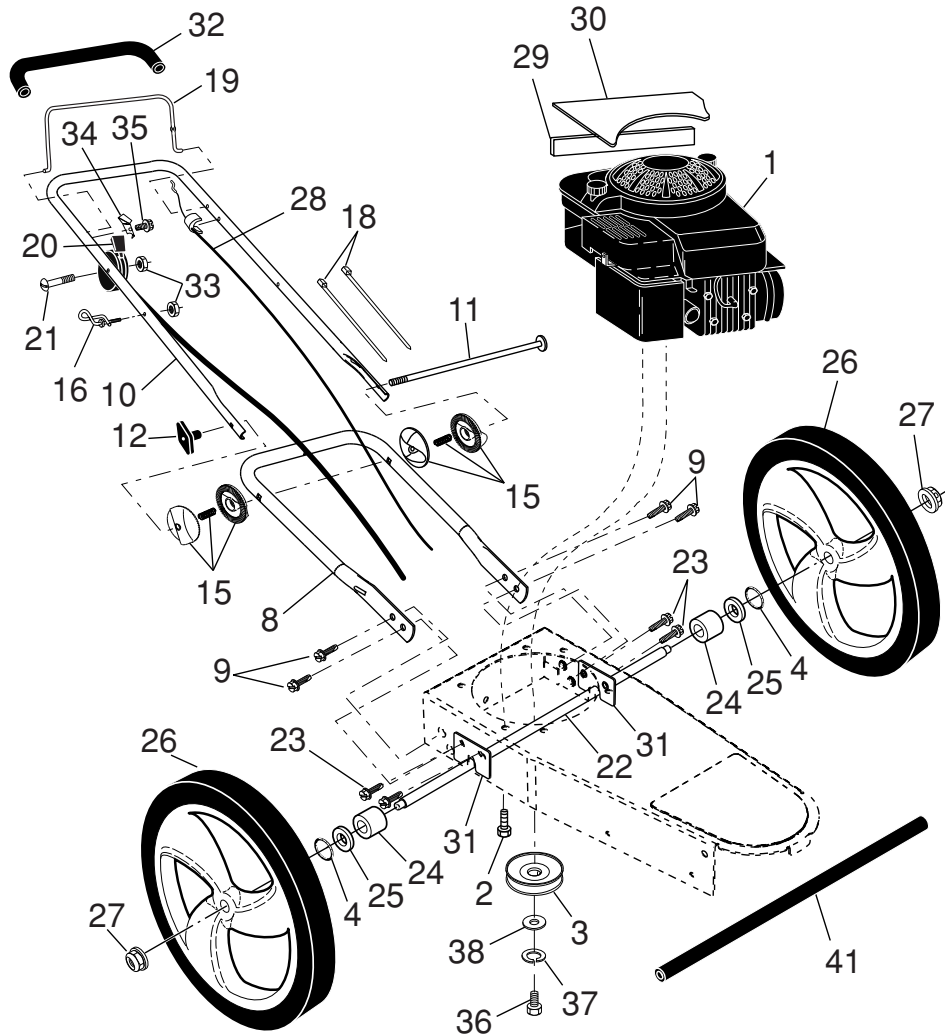
**TRIMMING TIPS**

- Set the throttle control in the FAST position. If the weeds or grass are tall and thick, operate the trimmer at a slower walking speed.
- Frequently clean the underside of the trimmer to remove any grass build up. Keep top of engine around starter clear and clean of grass clippings and chaff. This will help engine air flow and extend engine life.
- For best results and longer lasting line, use the ends of the line to do the cutting. This is easily done by moving slowly through very thick and heavy weeds.
- Use the left side of trimmer when trimming along fences, walls, flowerbeds and other such objects.
- If trimmer lines become too short, it will take longer to complete the job. If trimmer lines are worn to less than half their original length, they should be replaced. See "TO REPLACE TRIMMER LINE" in the Maintenance section of this manual.
- Trimmer head contact with concrete, asphalt or other hard surfaces may cause premature wear of the ball on bottom of trimmer head.



# REPAIR PARTS

CRAFTSMAN WEED TRIMMER -- MODEL NUMBER 944.361161



## TRIMMER

Always observe safety rules when performing any maintenance.

## TIRES

- Keep tires free of gasoline, oil, or insect control chemicals which can harm rubber.
- Avoid stumps, stones, deep ruts, sharp objects and other hazards that may cause tire damage.

## TRIMMER LINE

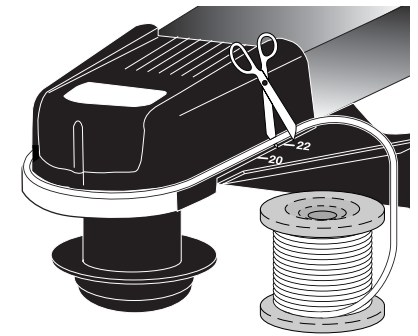
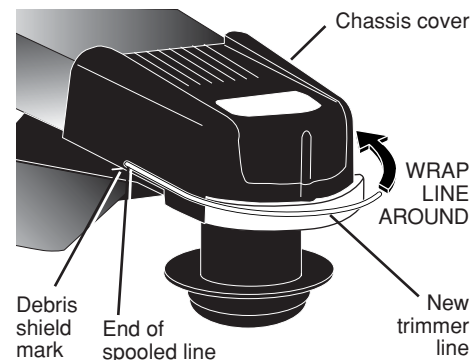
For best results, replace trimmer lines when they have worn to half their original length. **Use .155 inch diameter trimmer line.** Cut new trimmer line length to **18-3/4 inches**. After new line is installed on trimmer head, check all lines so they do not vary more than one (1) inch in length. This is important to make sure the trimmer head is balanced and will not vibrate abnormally.

**⚠WARNING:** Use only the specified trimmer line. Do not use other materials such as wire, string, rope, etc. Wire can break off during trimming and become a dangerous missile that can cause serious injury.

## TO CUT LINE TO PROPER LENGTH

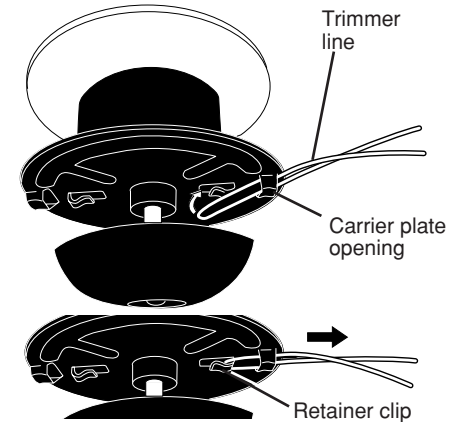
**NOTE:** Trimmer line pre-cut to proper length is available for this unit; see the Repair Parts section of this manual. If trimmer line is purchased in bulk, it must be cut to **18-3/4 inches** before using. Use the built-in length gauge as follows:

1. From front of trimmer, place the end of spooled trimmer line at the mark on the side of the debris shield as shown.
2. Wrap trimmer line around front of chassis cover to other side and cut at the "22" mark (your unit's width of cut).



## TO REPLACE TRIMMER LINE

1. Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.
2. Remove worn trimmer line from line carrier plate.
3. Fold new, cut to length, trimmer line in half and insert folded end through carrier plate opening to back side of retainer clip.
4. With folded end of line at back side of retainer clip, pull line outward until line is fully seated under the retainer clip.
5. Repeat on other side of carrier plate.
6. Check all lines to be sure they are the same length.
7. Reconnect spark plug wire to plug.



## ENGINE LUBRICATION

Use only high quality detergent oil rated with API service classification SF-SJ. Select the oil's SAE viscosity grade according to your expected operating temperature.

SAE VISCOSITY GRADES	
← 5W-30	SAE 30 →
F -20	C -30
0	-20
32	-10
40	0
60	10
80	20
100	30
100	40
TEMPERATURE RANGE ANTICIPATED BEFORE NEXT OIL CHANGE	

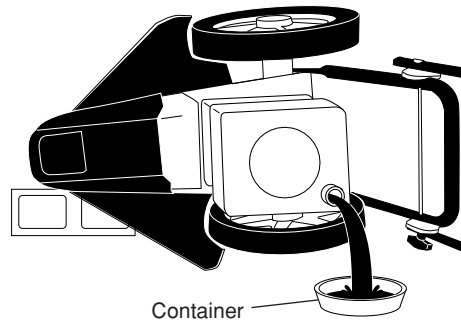
**NOTE:** Although multi-viscosity oils (5W30, 10W30 etc.) improve starting in cold weather, these multi-viscosity oils will result in increased oil consumption when used above 32°F. Check your engine oil level more frequently to avoid possible engine damage from running low on oil.

Change the oil after every 25 hours of operation or at least once a year if the unit is not used for 25 hours in one year. Check the crankcase oil level before starting the engine and after each five (5) hours of continuous use. Tighten oil plug securely each time you check the oil level.

## TO CHANGE ENGINE OIL

**NOTE:** Before tipping trimmer to drain oil, empty fuel tank by running engine until fuel tank is empty.

1. Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.
2. Remove engine oil cap; lay aside on a clean surface.
3. Tip trimmer on its side as shown and drain oil into a suitable container. Rock trimmer back and forth to remove any oil trapped inside of engine.



4. Wipe off any spilled oil from trimmer or side of engine.
5. Fill engine with oil (See "ADD OIL" in the Operation section of this manual).
6. Replace engine oil cap.
7. Reconnect spark plug wire to plug.

## AIR FILTER

Your engine will not run properly and may be damaged by using a dirty air filter. Replace the air filter cartridge every 100 hours of operation or every season, whichever occurs first. Service air cleaner more often under dusty conditions.

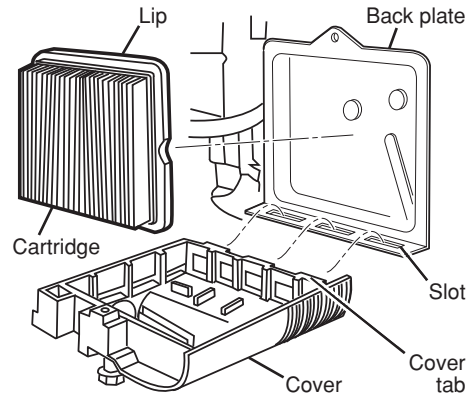
## TO CLEAN AIR FILTER

1. Loosen screw and tilt cover to remove.
2. Carefully remove cartridge.

3. Clean by gently tapping on a flat surface. If very dirty, replace cartridge.

**CAUTION:** Petroleum solvents, such as kerosene, are not to be used to clean cartridge. They may cause deterioration of the cartridge. Do not oil cartridge. Do not use pressurized air to clean or dry cartridge.

4. Install cartridge, then replace cover making sure the tabs are aligned with the slots in the back plate. Fasten screw securely.



## MUFFLER

Inspect and replace corroded muffler as it could create a fire hazard and/or damage.

## SPARK PLUG

Replace spark plug at the beginning of each mowing season or after every 100 hours of operation, whichever occurs first. Spark plug type and gap setting are shown in the "PRODUCT SPECIFICATIONS" section of this manual.

## CLEANING

**IMPORTANT:** For best performance, keep trimmer free of built-up grass and trash. Clean the underside of your trimmer after each use.

**CAUTION:** Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.

- Turn trimmer on its side. Make sure air filter and carburetor are up. Clean the underside of your trimmer by scraping to remove build-up of grass and trash.
- Clean engine often to keep trash from accumulating. A clogged engine runs hotter and shortens engine life.
- Keep finished surfaces and wheels free of all gasoline, oil, etc.
- We do not recommend using a garden hose to clean trimmer unless the electrical system, muffler, air filter and carburetor are covered to keep water out. Water in engine can result in shortened engine life.

**TROUBLESHOOTING - See appropriate section in manual unless directed to a Sears Parts & Repair Centre.**

PROBLEM	CAUSE	CORRECTION
<b>Does not start</b>	<ol style="list-style-type: none"> <li>1. Dirty air filter.</li> <li>2. Out of fuel.</li> <li>3. Stale fuel.</li> <li>4. Water in fuel.</li> <li>5. Spark plug wire is disconnected.</li> <li>6. Bad spark plug.</li> <li>7. Throttle control lever not in correct position (if equipped).</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean/replace air filter.</li> <li>2. Fill fuel tank.</li> <li>3. Empty fuel tank and refill with fresh, clean gasoline.</li> <li>4. Empty fuel tank and refill with fresh, clean gasoline.</li> <li>5. Connect wire to spark plug.</li> <li>6. Replace spark plug.</li> <li>7. Move throttle lever to FAST position.</li> </ol>
<b>Loss of power</b>	<ol style="list-style-type: none"> <li>1. Dirty air filter.</li> <li>2. Buildup of grass, leaves, and trash under trimmer.</li> <li>3. Too much oil in engine.</li> <li>4. Walking speed too fast.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean/replace air filter.</li> <li>2. Clean underside of trimmer and trimmer head.</li> <li>3. Check oil level.</li> <li>4. Trim at slower walking speed.</li> </ol>
<b>Excessive Vibration</b>	<ol style="list-style-type: none"> <li>1. Lines uneven or broken.</li> <li>2. Loose nuts or bolts.</li> <li>3. Damaged trimmer head.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check trimmer lines.</li> <li>2. Check all hardware, including engine bolts.</li> <li>3. Check/repair trimmer head.</li> </ol>
<b>Starter rope hard to pull</b>	<ol style="list-style-type: none"> <li>1. Bent engine crankshaft.</li> </ol>	<ol style="list-style-type: none"> <li>1. Contact a Sears or other qualified service centre.</li> </ol>
<b>Loss of head drive</b>	<ol style="list-style-type: none"> <li>1. Belt not driving.</li> </ol>	<ol style="list-style-type: none"> <li>1. Put belt on pulleys or replace belt if broken.</li> </ol>
<b>Hard to push</b>	<ol style="list-style-type: none"> <li>1. Handle height position not right for you.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust handle height to suit.</li> </ol>
<b>Poor trimming performance</b>	<ol style="list-style-type: none"> <li>1. Trimmer line length is too short.</li> <li>2. Throttle control lever not in correct position (if equipped).</li> </ol>	<ol style="list-style-type: none"> <li>1. If line is worn or broken to half of original length, replace line.</li> <li>2. Move throttle lever to FAST position.</li> </ol>
<b>Trimmer head does not retain line</b>	<ol style="list-style-type: none"> <li>1. Trimmer line not properly installed.</li> <li>2. Broken line retainer clip.</li> <li>3. Incorrect size of trimmer line.</li> </ol>	<ol style="list-style-type: none"> <li>1. Follow instructions in Maintenance section.</li> <li>2. Replace string carrier plate assembly.</li> <li>3. Use .155 diameter trimmer line.</li> </ol>

**SERVICE AND ADJUSTMENTS**

- ⚠ WARNING:** To avoid serious injury, before performing any service and adjustments:
1. Stop engine.
  2. Make sure the rotating lines and all moving parts have completely stopped.
  3. Disconnect spark plug wire from spark plug and place wire where it cannot come into contact with plug.

**TRIMMER**

**TO ADJUST TRIMMING HEIGHT**

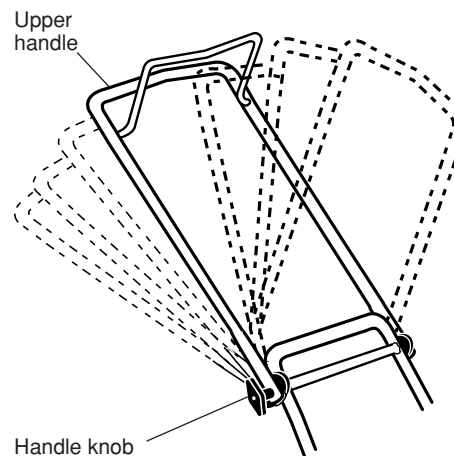
See "TO ADJUST TRIMMING HEIGHT" in the Operation section of this manual.

**TO ADJUST HANDLE**

The upper handle may be adjusted to different height positions.

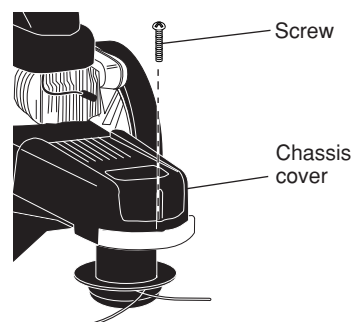
1. Loosen handle knob only enough to allow the upper handle to pivot to the desired position.
2. Tighten handle knob securely.

**NOTE:** The handle knob and bolt may be reversed for left handed operation.

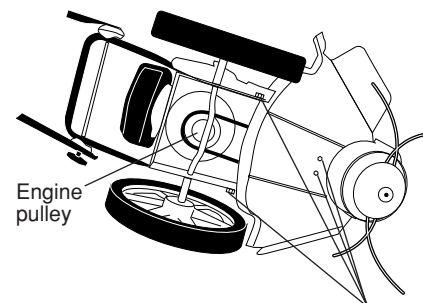


**TO REMOVE/REPLACE TRIMMER HEAD DRIVE BELT**

1. Remove screw at front of chassis cover.

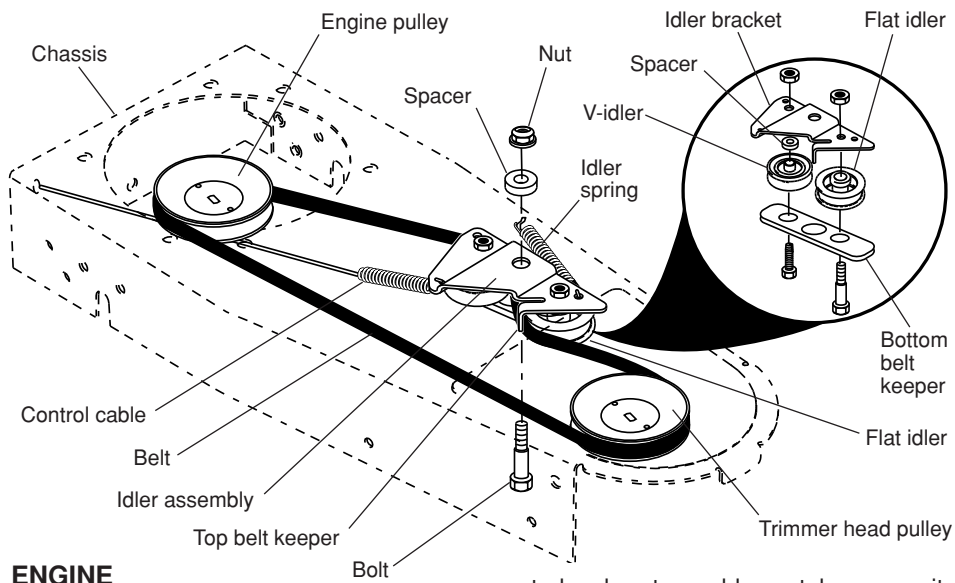


2. Lift cover up and away from trimmer.
3. Remove the two (2) screws on sides of trimmer securing the debris shield.
4. Turn trimmer on its side with carburetor and fuel cap up.
5. Remove the two (2) screws on underside of trimmer securing the debris shield.
6. Slide the debris shield rearward and remove.
7. Remove belt from engine pulley on crankshaft.



8. Remove belt from trimmer head pulley.
9. Note the position of the control cable and idler return spring, then remove idler assembly from chassis and remove belt and idler from trimmer.
10. Remove belt from idler assembly by removing bottom belt keeper and idler pulleys.
11. Assemble new belt, idler pulleys and bottom belt keeper to idler bracket. Tighten pulley bolts securely.
12. Position belt and idler assembly in trimmer, reconnect idler spring and assemble idler to chassis.
13. Install belt around trimmer head pulley and engine pulley.
14. Replace debris shield and tighten the four (4) screws securely.
15. Replace chassis cover and tighten screw securely.

Always use Craftsman replacement parts to assure proper fit and long life.



## ENGINE ENGINE SPEED

Your engine speed has been factory set. Do not attempt to increase engine speed or it may result in personal injury. If you believe that the engine is running too fast or too slow, take your unit to a Sears or other qualified service center for repair and/or adjustment.

## CARBURETOR

Your carburetor has a nonadjustable fixed main jet for mixture control. If your engine does not operate properly due to sus-

pected carburetor problems, take your unit to a Sears or other qualified service center for repair and/or adjustment.

**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, take your unit to a Sears or other qualified service center, which has proper equipment and experience to make any necessary adjustments.

## STORAGE

Immediately prepare your trimmer for storage at the end of the season or if the unit will not be used for 30 days or more.

### TRIMMER

When trimmer is to be stored for a period of time, clean it thoroughly, remove all dirt, grease, leaves, etc. Store in a clean, dry area.

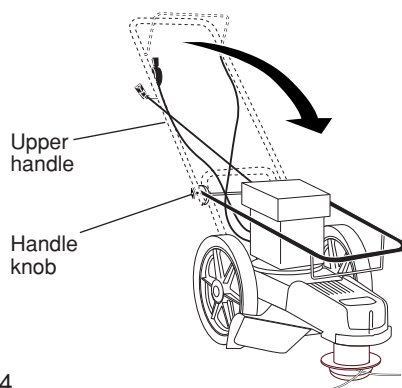
1. Clean entire trimmer (See "CLEANING" in the Maintenance section of this manual).
2. Lubricate as shown in the Maintenance section of this manual.
3. Be sure that all nuts, bolts, screws, and pins are securely fastened. Inspect moving parts for damage, breakage and wear. Replace if necessary.
4. Touch up all rusted or chipped paint surfaces; sand lightly before painting.

### HANDLE

You can fold your trimmer handle for storage.

- Loosen handle knob enough to allow upper handle to be folded forward.

**IMPORTANT:** When folding the handle for storage or transportation, be sure to fold the handle as shown or you may damage the control cables.



## ENGINE FUEL SYSTEM

**IMPORTANT:** It is important to prevent gum deposits from forming in essential fuel system parts such as carburetor, fuel filter, fuel hose or tank during storage. Alcohol blended fuels (called gasohol or using 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.

- Empty the fuel tank by starting the engine and letting it run until the fuel lines and carburetor are empty.
- Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.
- Use fresh fuel next season.

**NOTE:** Fuel stabilizer is an acceptable alternative in minimizing the formation of fuel gum deposits during storage. Add stabilizer to gasoline in fuel tank or storage container. Always follow the mix ratio found on stabilizer container. Run engine at least 10 minutes after adding stabilizer to allow the stabilizer to reach the carburetor. Do not drain the gas tank and carburetor if using fuel stabilizer.

## ENGINE OIL

Drain oil (with engine warm) and replace with clean engine oil. (See "ENGINE" in the Maintenance section of this manual).

### CYLINDER

1. Remove spark plug.
2. Pour one ounce (29 ml) of oil through spark plug hole into cylinder.
3. Pull starter handle slowly a few times to distribute oil.
4. Replace with new spark plug.

### OTHER

- Do not store gasoline from one season to another.
- Replace your gasoline can if your can starts to rust. Rust and/or dirt in your gasoline will cause problems.
- If possible, store your unit indoors and cover it to protect it from dust and dirt.
- Cover your unit with a suitable protective cover that does not retain moisture. Do not use plastic. Plastic cannot breathe, which allows condensation to form and will cause your unit to rust.

**IMPORTANT:** Never cover trimmer while engine and exhaust areas are still warm.

**CAUTION:** Never store the trimmer with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.