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Owner’s Manual

WHEELED WEEDTRIMMER
675 Series Briggs & Stratton Engine
22 Inch Cut

Model No.
944.361162

CAUTION:
Read and follow all Safety Rules and Instructions before operating this equipment.
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SAFETY RULES

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 barefoot 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. Wait for the cutting lines to stop rotating.

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.

SLOPE GUIDE

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 when trimming on slopes. Follow other instructions in this manual for safety in trimming on slopes. Use extra care when operating on or near slopes and obstructions.

A 10 degree slope
do not trim on a slope greater than 15 degrees.

A 15 degree slope
do not trim on a slope greater than 15 degrees.

Use extreme care at all times and avoid sudden turns or maneuvers. Follow other instructions in this manual for safety in trimming on slopes. Use extra care when operating on or near slopes and obstructions.
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).
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 to the purchaser from time to time. Failure to comply with these requirements will void any applicable 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.

BRIGGS & STRATTON 4-CYCLE ENGINE

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<tr>
<th>KEY NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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<td>299189s</td>
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<td>3</td>
<td>493279</td>
<td>Sump-Engine</td>
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<td>4</td>
<td>590411</td>
<td>Head-Cylinder</td>
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<tr>
<td>5</td>
<td>799875</td>
<td>Gasket-Cylinder Head</td>
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<tr>
<td>6</td>
<td>590395</td>
<td>Breather Assembly</td>
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<td>7</td>
<td>694972</td>
<td>Gasket-Breather</td>
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<td>8</td>
<td>691125</td>
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<td>9</td>
<td>799869</td>
<td>Screw (Breather)</td>
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<tr>
<td>10</td>
<td>691273</td>
<td>Tube-Breather</td>
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<tr>
<td>11A</td>
<td>691923</td>
<td>(Air Cleaner Primer Base)</td>
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<td>12</td>
<td>692232</td>
<td>Gasket-Crankcase</td>
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<td>13</td>
<td>590422</td>
<td>Screw (Cylinder Head)</td>
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<td>14</td>
<td>690912</td>
<td>Screw (Cylinder)</td>
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<td>15</td>
<td>691680</td>
<td>Plug-Oil Drain</td>
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<td>16</td>
<td>797018</td>
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<td>17</td>
<td>399781s</td>
<td>Seal-Oil (PTO Side)</td>
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<td>18</td>
<td>691092</td>
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<td>19</td>
<td>790536</td>
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<td>20</td>
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<td>Key-Flywheel (Aluminum)</td>
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<td>22</td>
<td>590405</td>
<td>Piston Assembly (.020&quot; Oversize)</td>
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<td>23</td>
<td>590402</td>
<td>Ring Set (Standard)</td>
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<td>Ring Set (.020&quot; Oversize)</td>
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<td>61588</td>
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<td>27</td>
<td>797306</td>
<td>Rod-Connecting</td>
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<td>61664</td>
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<td>590394</td>
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<td>31</td>
<td>590393</td>
<td>Valve-Intake</td>
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<td>32</td>
<td>691270</td>
<td>Spring-Valve (Intake)</td>
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<td>33</td>
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<td>Spring-Valve (Exhaust)</td>
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<td>34</td>
<td>793576</td>
<td>Guard-Flywheel</td>
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<td>35</td>
<td>692194</td>
<td>Retainer-Valve</td>
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<td>691997</td>
<td>Slinger-Governor/Oil</td>
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<td>690548</td>
<td>Tappet-Valve</td>
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<td>38</td>
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<td>794305</td>
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<td>794306</td>
<td>Gasket-Intake</td>
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<td>42</td>
<td>691650</td>
<td>Screw (Intake Manifold)</td>
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<td>43</td>
<td>697670</td>
<td>Housing-Rewind Starter</td>
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<td>44</td>
<td>697316</td>
<td>Rope-Starter</td>
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<tr>
<td>45</td>
<td>281434s</td>
<td>Grip-Starter Rope</td>
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</table>

Sears Canada, Inc. T8-4-1920 1997-0001-00
Engine Power Rating Information

The gross power rating for individual gas engine models is labeled in accordance with SAE (Society of Automotive Engineers) code J11940 (Small Engine Power & Torque Rating Procedure), and rating performance has been obtained and corrected in accordance with SAE J1995 (Revision 2002-5). 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 horsepower). 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.

**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 copy 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.

---

**WARRANTY**

---

---
ASSEMBLY / PRE-OPERATION

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.
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.

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

NOTE: Gasoline containing up to 10% ethanol (E10) is acceptable for use in this machine. The use of any gasoline exceeding 10% ethanol (E10) will void the product warranty.

OPERATION

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
Engine oil cap w/dipstick
Gasoline cap
Air filter
Primer
Spark plug
Muffler
Chassis cover
Trimmer head
Trimmer line

WARNING
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.

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.

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

AVOID SERIOUS INJURY OR DEATH
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.

HOW 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.

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.

CRAFTSMAN WEED TRIMMER - MODEL NUMBER 944.361162

<table>
<thead>
<tr>
<th>KEY NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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<td>174031X615</td>
<td>Chassis Assembly</td>
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<td>182219</td>
<td>Line, Trimmer .155 diameter x 18.75 long</td>
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<td>3</td>
<td>173715</td>
<td>Screw, Self-Tapping 5/16-18 x 1</td>
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<td>4</td>
<td>185476</td>
<td>V-Belt</td>
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<td>172145X004</td>
<td>Bracket, Idler</td>
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<td>166042</td>
<td>Pulley, Idler, V-Groove</td>
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<td>173716</td>
<td>Bolt, Hex Head 3/8-16 x 1.25</td>
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<td>8</td>
<td>73930600</td>
<td>Locknut, Hex 3/8-16</td>
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<td>166043</td>
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<td>173811</td>
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<td>16</td>
<td>180268</td>
<td>Deflector, Bottom</td>
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<td>17</td>
<td>17060410</td>
<td>Screw 1/4-20 x 1/2</td>
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<td>178848</td>
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<td>199574</td>
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<td>172520</td>
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<td>173973</td>
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<td>172519</td>
<td>Locking Plate</td>
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<td>180338</td>
<td>Carrier Plate Assembly</td>
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<td>Mow Ball Assembly (Includes Key Numbers 27, 37 and 38)</td>
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<td>172516</td>
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<td>172523</td>
<td>Mow Ball</td>
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<td>180334</td>
<td>Bolt, Mow Ball</td>
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<td>180333</td>
<td>Spindle Assembly, Complete (Includes Key No. 22-28 and 30-39)</td>
</tr>
<tr>
<td>41</td>
<td>174029</td>
<td>Spacer</td>
</tr>
<tr>
<td>42</td>
<td>174042</td>
<td>Decal, Instruction</td>
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<tr>
<td>43</td>
<td>174596X479</td>
<td>Belt Keeper, Bottom</td>
</tr>
<tr>
<td>44</td>
<td>17060408</td>
<td>Screw, Self-Tapping</td>
</tr>
<tr>
<td>45</td>
<td>174510</td>
<td>Decal, Instruction</td>
</tr>
<tr>
<td>46</td>
<td>17060408</td>
<td>Screw, Self-Tapping</td>
</tr>
<tr>
<td>47</td>
<td>178848</td>
<td>Screw</td>
</tr>
</tbody>
</table>

**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.
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 airflow 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, flower beds 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.
MAINTENANCE

GENERAL RECOMMENDATIONS
The warranty on this trimmer does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, operator must maintain trimmer as instructed in this manual. Some adjustments will need to be made periodically to properly maintain your unit. At least once a season, check to see if you should make any of the adjustments described in the Service and Adjustments section of this manual.
- At least once a year, replace the spark plug and replace air filter element. A new spark plug and clean/new air filter element assure proper air-fuel mixture and help your engine run better and last longer.
- Follow the maintenance schedule in this manual.

PRODUCT SPECIFICATIONS

BEFORE EACH USE
1. Check engine oil level.
2. Check for loose fasteners.
3. Clean under engine cover.

LUBRICATION
To prolong the useful life of your trimmer, change engine oil as recommended in this section of this Owner’s Manual.

IMPORTANT: Do not oil or grease plastic wheel bearings. Viscous lubricants will attract dust and dirt that will shorten the life of the self-lubricating bearings. If you feel they must be lubricated, use only a dry, powdered graphite type lubricant sparingly.

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

KEY PART
NO. NO. DESCRIPTION
1 - - - Engine, Briggs & Stratton, Model No. 126M02-0003-F1 (See Breakdown)
2 150406 Bolt, Engine Mounting 3/8-16
3 179466 Pulley, Engine
4 88348 Washer, Flat
8 169821X479 Handle, Lower
10 428867 Screw, Hex Washer Head 5/16-18 x 3/4
17 177815 Handle, Upper
15 179751 Handle Adjuster Assembly
16 194788 Guide, Rope
18 66426 Wire Tire
19 176983X428 Control Bar
20 417238 Throttle Control
21 158755 Screw, Hex Head Washer
22 169787 Axle Shaft
23 428867 Screw, Hex Washer Head 5/16-18 x 3/4
24 169823 Spacer
25 197480 O-Ring
26 431880X460 Wheel, 12” x 1-3/4
27 409149 Locknut, Hex 3/8-16
28 181699 Drive Control Cable
29 178365 Decal, Warning
30 406678 Decal, Warning
31 172221X004 Support Bracket, Axle Shaft
32 164265 Grip, Handle
33 132004 Nut, Hex
34 429930X004 Bracket, Upstop
35 750634 Screw #10-24 x 5/8
36 851084 Bolt, Hex Head
37 850263 Washer, Lock
38 851074 Washer, Flat, Hardened
- - 584648026 Owner’s Manual, English
- - 584648132 Owner’s Manual, French

The model and serial numbers will be found on a decal attached to the rear of the trimmer. Record both serial number and date of purchase in the space provided above.
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 guage 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.
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.

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>CORRECTION</th>
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<tr>
<td></td>
<td>2. Out of fuel.</td>
<td>2. Fill fuel tank.</td>
</tr>
<tr>
<td></td>
<td>3. Stale fuel.</td>
<td>3. Empty fuel tank and refill with fresh, clean gasoline.</td>
</tr>
<tr>
<td></td>
<td>4. Water in fuel.</td>
<td>4. Empty fuel tank and refill with fresh, clean gasoline.</td>
</tr>
<tr>
<td></td>
<td>5. Spark plug wire is disconnected.</td>
<td>5. Connect wire to spark plug.</td>
</tr>
<tr>
<td></td>
<td>7. Throttle control lever not in correct position (if equipped).</td>
<td>7. Move throttle lever to FAST position.</td>
</tr>
<tr>
<td></td>
<td>2. Buildup of grass, leaves, and trash under trimmer.</td>
<td>2. Clean underside of trimmer and trash under trimmer.</td>
</tr>
<tr>
<td></td>
<td>3. Too much oil in engine.</td>
<td>3. Check oil level.</td>
</tr>
<tr>
<td>Excessive Vibration</td>
<td>1. Lines uneven or broken.</td>
<td>1. Check trimmer lines.</td>
</tr>
<tr>
<td></td>
<td>2. Loose nuts or bolts.</td>
<td>2. Check all hardware, including engine bolts.</td>
</tr>
<tr>
<td></td>
<td>3. Damaged trimmer head.</td>
<td>3. Check/repair trimmer head.</td>
</tr>
<tr>
<td>Starter rope hard to pull</td>
<td>1. Bent engine crankshaft.</td>
<td>1. Contact a Sears or other qualified service centre.</td>
</tr>
<tr>
<td>Loss of head drive</td>
<td>1. Belt not driving.</td>
<td>1. Put belt on pulleys or replace belt if broken.</td>
</tr>
<tr>
<td>Hard to push</td>
<td>1. Handle height position not right for you.</td>
<td>1. Adjust handle height to suit.</td>
</tr>
<tr>
<td>Poor trimming perfor-</td>
<td>1. Trimmer line length is too short.</td>
<td>1. If line is worn or broken to half of original length, replace line.</td>
</tr>
<tr>
<td>mance</td>
<td>2. Throttle control lever not in correct position (if equipped).</td>
<td>2. Move throttle lever to FAST position.</td>
</tr>
<tr>
<td>Trimmer head does not retain line</td>
<td>1. Trimmer line not properly installed.</td>
<td>1. Follow instructions in Maintenance section.</td>
</tr>
<tr>
<td></td>
<td>2. Broken line retainer clip.</td>
<td>2. Replace string carrier plate assembly.</td>
</tr>
<tr>
<td></td>
<td>3. Incorrect size of trimmer line.</td>
<td>3. Use .155 diameter trimmer line.</td>
</tr>
</tbody>
</table>

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.

SERVICE AND ADJUSTMENTS

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.

NOTE: Be sure belt is inside top belt keeper on idler assembly.
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.
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 suspected 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.

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**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.

**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.

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**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.

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**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.

---

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