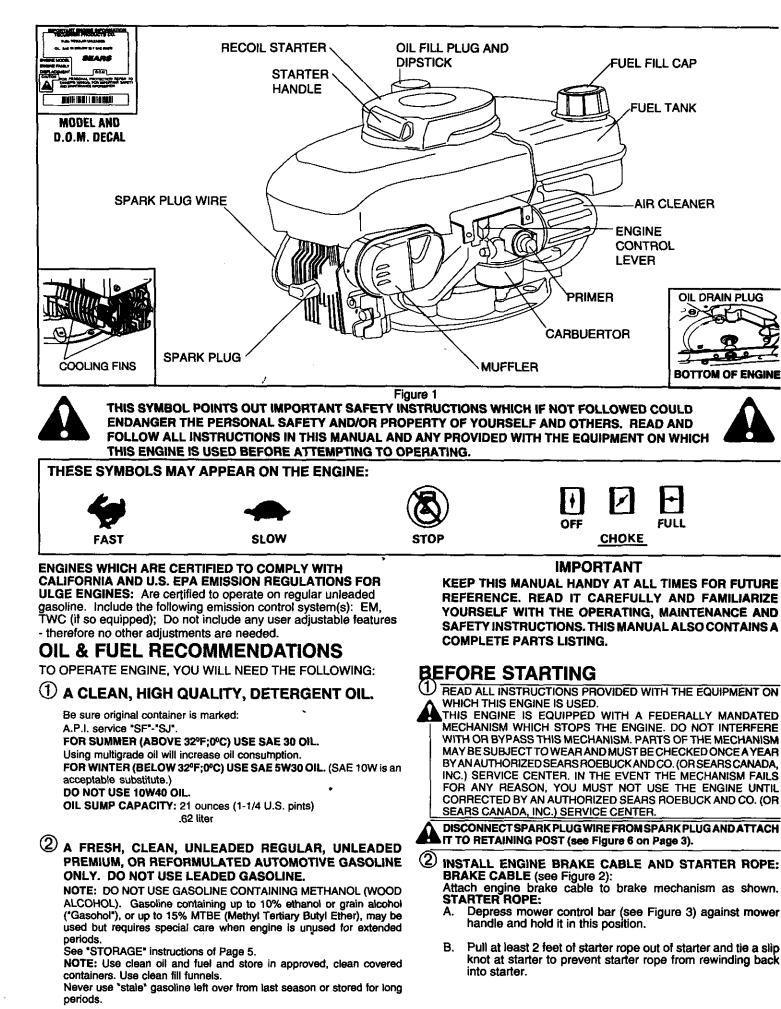


California Proposition 65 WARNING: The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Sold by SEARS, ROEBUCK AND CO., CHICAGO, IL 60684 U.S.A. and SEARS CANADA, INC., TORONTO, ONTARIO, CANADA

Printed in U.S.A.

4-1-99 **181-1188-11**



Page 1

BEFORE STARTING (Continued)

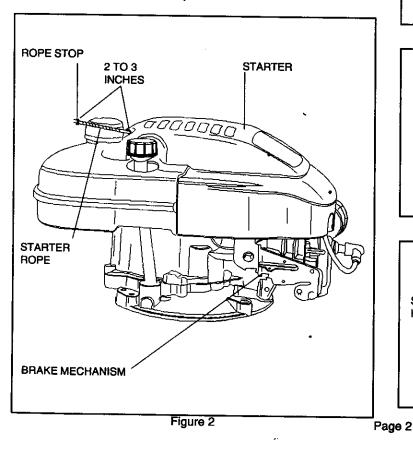
- Slide rope stop (see Figure 2) onto starter rope and feed starter rope through rope guide on mower handle (see Figure 4).
- D. Feed starter rope through starter handle (see Figure 5) and tie a left hand knot, leaving 1/2 inch to 1 inch of starter rope extending beyond left hand knot. DO NOT PULL LEFT HAND KNOT INTO STARTER HANDLE YET.
- E. With starter handle resting on rope guide (see Figure 4), check starter rope for slack. If there is any slack, pull more starter rope through starter handle and relocate left hand knot to eliminate slack.
- F. Untie slip knot at starter.
- G. Pull left hand knot into starter handle.
- H. Position rope stop 2 to 3 inches from starter (see Figure 2) and fasten it to starter rope by gripping it with pliers and forcing staple through starter rope until staple is even with outside of rope stop.

③ CHECK OIL LEVEL:

IMPORTANT: NEVER RUN ENGINE UNLESS OIL LEVEL IS BETWEEN "FULL" AND "ADD" MARKS ON DIPSTICK.

CHECK OIL LEVEL OFTEN DURING ENGINE BREAK-IN. NEVER RUN ENGINE UNLESS OIL FILL PLUG IS TIGHTENED SECURELY INTO OIL FILL HOLE.

- A. POSITION EQUIPMENT SO ENGINE IS LEVEL.
- B. Clean area around oil fill plug (see Figure 1).
- C. Remove oil fill plug and dipstick.
- D. Wipe dipstick clean, insert it into oil fill hole and tighten securely.
- E. Remove oil fill plug and check oil level. If level is not up to "FULL" mark on dipstick, add recommended oil, until it is. POUR SLOWLY. Wipe dipstick clean each time oil level is checked. DONOT FILL ABOVE "FULL" MARK ON DIPSTICK.
- F. Replace oil fill plug and tighten securely. See "MAINTENANCE" section for any future oil level and oil change instructions (see Page 3).



BEFORE STARTING (Continued)

 FILL FUEL TANK with gasoline as specified in the preceding "OIL & FUEL RECOMMENDATIONS," item 2. NEVER MIX OIL WITH GASOLINE

Never use "stale" gasoline left over from last season or stored for long periods.

NEVER FILL FUEL TANK INDOORS. NEVER FILL FUEL TANK WHEN ENGINE IS RUNNING OR HOT. DO NOT SMOKE WHEN FILLING FUEL TANK.

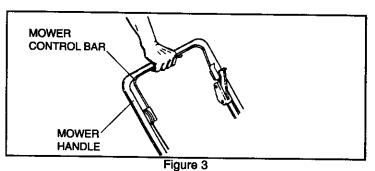


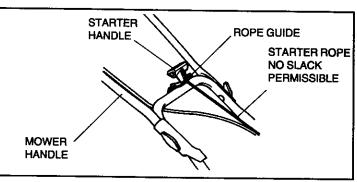
ANY LIQUEFIED PETROLEUM (LPG) OR NATURAL GAS FUEL SYSTEM MUST BE LEAKPROOF AND MEET ALL APPLICABLE CODES AND REGULATIONS.

⑤ CHECK THE FOLLOWING:

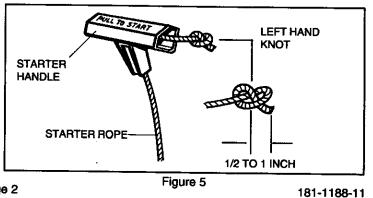


Be sure spark plug wire is attached to spark plug (see Figure 1).

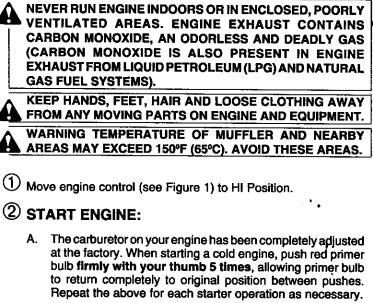








STARTING



NOTE: DO NOT USE PRIMER TO RESTART A WARM ENGINE AFTER A SHORT SHUTDOWN.

- B. Operate mower control to release engine brake.
- C. Grasp starter handle (see Figure 4) and pull rope out, slowly, until it pulls slightly harder. Let rope rewind slowly. Then pull rope with a rapid full arm stroke. Let rope rewind SLOWLY. Do not let starter handle snap back against rope guide (see Figure 4).
- D. Repeat instructions B and C if necessary, until engine starts.

NOTE: If engine does not start, repeat instructions A, B, C and D until it starts.

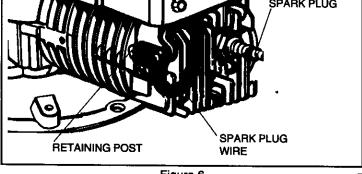
ENGINE SPEED: Engine speed is controlled by the engine control (see Figure 1). Engine control should be in HI position for high grass conditions and for most efficient bagging in heavy grass conditions, and in LOW position for light grass, trimming and for fuel economy.

STOPPING

1 See mower manufacturer's instructions.

⁽²⁾ AFTER ENGINE IS STOPPED:







MAINTENANCE

WARNING TEMPERATURE OF MUFFLER AND NEARBY AREAS MAY EXCEED 150°F (65°C). AVOID THESE AREAS.

① CHECK OIL LEVEL:

Check oil level every five (5) operating hours or each time engine is used. See "3 CHECK OIL LEVEL" in "BEFORE STARTING" on Page 2.

2 CHANGE OIL:

Change oil after first two (2) operating hours and every 25 operating hours thereafter, more often if operated in extremely dusty or dirty conditions. Change oil while engine is still warm from recent running.

A. DISCONNECT SPARK PLUG WIRE FROM SPARK PLUG

- AND ATTACH IT TO RETAINING POST (see Figure 6).
 B. Position equipment so engine oil drain plug is lowest point on engine.
- C. Remove oil drain plug and oil fill plug to drain oil (see Figure 1).
- D. Replace oil drain plug and tighten securely.
- E. Fill oil sump with recommended oil. See "OIL & FUEL RECOMMENDATIONS" and "CHECK OIL LEVEL" on Page 1.
- F. Replace oil fill plug and tighten securely.
- G. Connect spark plug wire to spark plug.
- H. Wipe up any spilled oil and/or gasoline.
- NOTE: If it is difficult to reach the oil drain plug, drain fuel. Remove oil fill plug and tip mower on its side. Drain oil into a suitable container.

3 AIR CLEANER (see Figure 7):

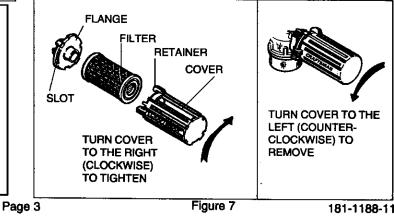
NEVER RUN ENGINE WITHOUT COMPLETE AIR CLEANER INSTALLED ON ENGINE.

Replace filter once a year or more often if used in extremely dusty or dirty conditions.

DO NOT ATTEMPT TO CLEAN OR OIL FILTER.

Replacement filters are available at any Sears Roebuck and Co. (or Sears Canada, Inc.) Service Center. To install new filter, proceed as follows:

- A. Turn cover to the left (counterclockwise) and remove it and filter from flange. Discard filter.
- B. Clean cover and flange thoroughly.
- C. Insert new filter into cover.
- D. Position cover and filter against flange with tab on cover inserted into lower left corner of slot in flange.
- E. Push cover firmly against flange and turn it to the right (clockwise) as far as it will go. Be sure retainers are locked around flange.



MAINTENANCE (Continued)

4 SPARK PLUG (see Figure 8):

This spark ignition system meets all requirements of the Canadian Interference-Causing Equipment Regulations. This engine complies with all current Australian and New Zealand limitations regarding electromagnetic interference. Check spark plug yearly or every 100 operating hours.

- Α. Clean area around spark plug.
- В. Remove and inspect spark plug.
- C. Replace spark plug if electrodes are pitted, burned or porcelain is cracked. For replacement use Champion RJ19LM.

NOTE: A resistor spark plug must be used for replacement.

- D. Check electrodes gap with wire feeler gauge and set gap at .030 if necessary.
- Ε. Install spark plug, tighten securely.

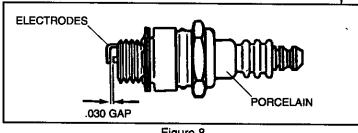


Figure 8

(5) COOLING SYSTEM:

IMPORTANT: Frequently remove any grass clippings, dirt and debris from cooling fins, air intake screen and levers and linkage (see Figure 1). This will help ensure adequate cooling and correct engine speed.

61 CHECK ENGINE AND EQUIPMENT OFTEN FOR LOOSE NUTS. BOLTS AND ATTACHMENTS, AND KEEP THESE ITEMS TIGHTENED.

ADJUSTMENTS

DO NOT MAKE UNNECESSARY ADJUSTMENTS. FACTORY SETTINGS ARE SATISFACTORY FOR MOST APPLICATIONS AND CONDITIONS. IF ADJUSTMENTS ARE NEEDED, PROCEED AS FOLLOWS:

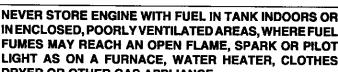
(1) CARBURETOR

If you think your carburetor needs adjusting, see your nearest SEARS, ROEBUCK AND CO. (OR SEARS CANADA, INC.) SERVICE CENTER. Engine performance should not be affected at altitudes up to 7,000 feet. For operation at higher elevations, contact your nearest SEARS, ROEBUCK AND CO. (OR SEARS CANADA, INC.) SERVICE CENTER.

2 ENGINE SPEED

NEVER TAMPER WITH ENGINE GOVERNOR WHICH IS FACTORY SET FOR PROPER ENGINE SPEED. OVERSPEEDING ENGINE ABOVE FACTORY HIGH SPEED SETTING CAN BE DANGEROUS. CHANGING OF ENGINE-GOVERNED SPEED WILL VOID ENGINE WARRANTY.

STORAGE



IN ENCLOSED, POORLY VENTILATED AREAS, WHERE FUEL FUMES MAY REACH AN OPEN FLAME, SPARK OR PILOT LIGHT AS ON A FURNACE, WATER HEATER, CLOTHES DRYER OR OTHER GAS APPLIANCE.

IF ENGINE IS TO BE UNUSED FOR 30 DAYS OR MORE, PREPARE AS FOLLOWS:

1 DRAIN FUEL SYSTEM:

A. Remove all gasoline from carburetor and fuel tank to prevent gum deposits from forming on these parts and causing possible malfunction of engine.

DRAIN FUEL INTO APPROVED CONTAINER OUTDOORS. AWAY FROM OPEN FLAME. BE SURE ENGINE IS COOL DO NOT SMOKE.

В. Run engine until fuel tank is empty and engine stops due to lack of fuel.

NOTE: Fuel stabilizer (such as STA-BIL) 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 mix ratio found on stabilizer container. Run engine at least 10 minutes after adding stabilizer to allow it to reach carburetor.

2 CHANGE OIL:

Change oil if it has not been changed in the last three (3) months. See "CHANGE OIL" instructions in "MAINTENANCE" section on Page 3.

③ OIL CYLINDER BORE:

- Α. Remove spark plug and pour one (1) ounce (30 ml) of engine oil into spark plug hole.
- Cover spark plug hole with a rag. Β.



Crank engine over, slowly, several times. AVOID SPRAY FROM SPARK PLUG HOLE WHEN

CRANKING ENGINE OVER SLOWLY.

D. Replace spark plug.

(4) CLEAN ENGINE:

Remove any clippings, dirt, or chaff from exterior of engine.

GENERAL

Just as your automobile needs professional mechanical maintenance from time to time, so does your Craftsman engine. Replacement of the spark plug and air cleaner is made necessary by NORMAL use. Professional Air-Cooled Engine Service is as close as your nearest Sears Roebuck and Co. (or Sears Canada, Inc.) Service Center.

A yearly check-up or tune-up by Sears is a good idea to avoid breakdowns or delay . . . do it at the end of the season, then you're ready for the next. We even prepare it for storage for you.

TROUBLESHOOTING

THE FOLLOWING MAY HELP AVOID A DELAY IN YOUR WORK OR SAVE THE EXPENSE OF A SERVICE CALL.

CAUSE	REMEDY				
Controls not in start position.	Move ENGINE CONTROL or equipment control to "HI" or START postion. See "STARTING" instructions in this manual.				
Spark plug wire disconnected from spark plug.	Connect SPARK PLUG WIRE to SPARK PLUG.				
Spark plug fouled.	Remove SPARK PLUG and clean it. See *SPARK PLUG* instructions in "MAINTENANCE" section in this manual.				
Spark plug porcelain cracked.	Install new spark plug.				
Insufficient fuel.	Fill FUEL TANK per "BEFORE STARTING" instructions.				
Water or dirt in fuel.	Drain FUEL TANK and re-fill with clean, fresh gasoline. See "BEFORE STARTING" instructions in this manual.				
Improper carburetor adjustment	Adjust carburetor (if applicable). See "ADJUSTMENTS" section in this manual.				
ENGINE LACKS POWER					
CAUSE	, REMEDY				
Dirty air cleaner.	Replace or clean air cleaner per "AIR CLEANER" instructions in "MAINTENANCE" section in this manual.				
Improper carburetor adjustment.	Adjust carburetor (if applicable). See "ADJUSTMENTS" section in this manual.				
Lack of lubricaiton.	Fill oil sump to proper level. See "BEFORE STARTING" instructions section in this manual.				
ENGINE MISSES UNDER LOAD					
CAUSE	REMEDY				
Spark plug fouled.	Remove SPARK PLUG and clean it. See "SPARK PLUG" instructions in "MAINTENANCE" section in this manual.				
Spark plug porcelain cracked.	Install new SPARK PLUG.				
Improper spark plug gap.	Regap SPARK PLUG electrodes. See "SPARK PLUG" instructions in "MAINTENANCE" section in this manual.				
Improper carburetor adjustment	Adjust carburetor (if applicable). See "ADJUSTMENTS" section in this manual.				

SEARS, ROEBUCK AND CO. Federal and California Emission Control Systems Limited Warranty Utility and Lawn and Garden Engines

CALIFORNIA & US EPA EMISSION CONTROL WARRANTY STATEMENT

The U. S. Environmental Protection Agency ("EPA"), the California Air Resources Board ("CARB") and Sears, Roebuck and Co. are pleased to explain the Federal and California Emission Control Systems Warranty on your new utility or lawn and garden equipment engine. In California, new 1995 and later utility and lawn and garden equipment engines must be designed, built and equipped to meet the State's stringent anti-smog standards. In other states, new 1997 and later model year engines must be designed, built and equipped, at the time of sale, to meet the U.S. EPA regulations for small non-road engines. Sears, Roebuck and Co. will warrant the emission control system on your utility or lawn and garden equipment engine for the periods of time listed below, provided there has been no abuse, neglect, unapproved modification, or improper maintenance of your utility or lawn and garden equipment engine. equipment engine.

Your emission control system may include parts such as the carburetor, ignition system and exhaust system. Also included may be the compression release system and other emission-related assemblies.

Where a warrantable condition exists, Sears, Roebuck and Co. will repair your utility or lawn and garden equipment engine at no cost to you for diagnosis, parts and labor.

MANUFACTURER'S EMISSION CONTROL SYSTEM WARRANTY COVERAGE

Emission control systems on 1995 and later model year California utility and lawn and garden equipment engines are warranted for two years as hereinafter noted. In other states, 1997 and later model year engines are also warranted for two years. If, during such warranty period, any emission-related part on your engine is defective in materials or workmanship, the part will be repaired or replaced by Sears, Roebuck and Co. and Co.

OWNER'S WARRANTY RESPONSIBILITIES

As the utility or lawn and garden equipment engine owner, you are responsible for the performance of the required maintenance listed in your Owner's Manual, but Sears, Roebuck and Co. will not deny warranty solely due to the lack of receipts or for your failure to provide written evidence of the performance of all scheduled maintenance.

As the utility or lawn and garden equipment engine owner, you should, however, be aware that Sears, Roebuck and Co. may deny you warranty coverage if your utility or lawn and garden equipment or a part thereof has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your utility or lawn and garden equipment engine to a Sears, Roebuck and Co. Authorized Service Outlet as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

Warranty service can be arranged by contacting either a Sears, Roebuck and Co. Authorized Service Outlet, or by contacting Sears, Roebuck and Co. at 1-800-473-7247.

IMPORTANT NOTE

This warranty statement explains your rights and obligations under the Emission Control System Warranty ("ECS Warranty") which is provided to you by Sears, Roebuck and Co. pursuant to California law. See also the Sears, Roebuck and Co. Limited Warranties for Sears, Roebuck and Co. which is enclosed therewith on a separate sheet and also is provided to you by Sears, Roebuck and Co. The ECS Warranty applies only to the emission control system of your new engine. To the extent that there is any conflict in terms between the ECS Warranty and the Sears, Roebuck and Co. Warranty, the ECS Warranty shall apply except in any circumstances in which the Sears, Roebuck and Co. Warranty and the Sears, Roebuck and Co. Warranty describe important rights and obligations with respect to your new engine.

Warranty service can only be performed by a Sears, Roebuck and Co. Authorized Service Outlet. At the time of requesting warranty service, evidence must be presented of the date of sale to the original purchaser. The purchaser shall pay any charges for making service calls and/or for transporting the products to and from the place where the inspection and/or warranty work is performed. The purchaser shall be responsible for any damage or loss incurred in connection with the transportation of any engine or any part(s) thereof submitted for inspection and/or warranty work.

If you have any questions regarding your warranty rights and responsibilities, you should contact Sears, Roebuck and Co. at 1-800-473-7247.

EMISSION CONTROL SYSTEM WARRANTY

Emission Control System Warranty ("ECS Warranty") for 1995 and later model year California utility and lawn and garden equipment engines (for other states, 1997 and later model year engines):

A. APPLICABILITY: This warranty shall apply to 1995 and later model year California utility and lawn and garden equipment engines (for other states, 1997 and later model year engines). The ECS Warranty Period shall begin on the date the new engine or equipment is delivered to its original, end-use purchaser, and shall continue for 24 consecutive months thereafter.

B. GENERAL EMISSIONS WARRANTY COVERAGE: Sears, Roebuck and Co. warrants to the original, end-use purchaser of the new engine or equipment and to each subsequent purchaser that each of its utility and lawn and garden equipment engines is:

- Designed, built and equipped so as to conform with all applicable regulations 1. adopted by the Air Resources Board pursuant to its authority in Chapters 1 and 2, Part 5, Division 26 of the Health and Safety Code, and
- Free from defects in materials and workmanship which, at any time during the ECS Warranty Period, will cause a warranted emissions-related part to fail to be identical in all material respects to the part as described in the engine manufacturer's application for certification.
- C. The ECS Warranty only pertains to emissions-related parts on your engine, as follows:
 - Any warranted, emissions-related parts which are not scheduled for replacement as required maintenance in the Owner's Manual shall be warranted for the ECS Warranty Period. If any such part fails during the ECS Warranty Period, it shall be replaced or replaced by Sears, Roebuck and Co. according to Subsection 4 below. Any such part repaired or replaced under the ECS Warranty shall be warranted for any remainder of the ECS Warranty Period. Period.
 - Any warranted, emissions-related part which is scheduled only for regular inspection as specified in the Owner's Manual shall be warranted for the ECS Warranty Period. A statement in such written instructions to the effect of "repair or replace as necessary", shall not reduce the ECS Warranty Period. Any such part repaired or replaced under the ECS Warranty shall be warranted for the remainder of the ECS Warranty Period. 2.
 - Any warranted, emissions-related part which is scheduled for replacement as required maintenance in the Owner's Manual, shall be warranted for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement, the part shall be repaired or replaced by Sears, Roebuck and Co. according to Subsection 4 below. Any such emissions-related part repaired or replaced under the ECS Warranty, shall be warranted for the remainder of the ECS Warranty Period prior to the first on-builded realistic according to subsection. first scheduled replacement point for such emissions-related part.
 - Repair or replacement of any warranted, emissions-related part under this ECS Warranty shall be performed at no charge to the owner at a Sears, Roebuck and Co. Authorized Service Outlet.
 - The owner shall not be charged for diagnostic labor which leads to the determination that a part covered by the ECS Warranty is in fact defective, provided that such diagnostic work is performed at a Sears, Roebuck and Co. Authorized Service Outlet.
 - Sears, Roebuck and Co. shall be liable for damages to other original engine components or approved modifications proximately caused by a failure under warranty of an emission-related part covered by the ECS Warranty.
 - Throughout the ECS Warranty Period, Sears, Roebuck and Co. shall maintain a supply of warranted emission-related parts sufficient to meet the expected demand for such emission-related parts.
 - Any Sears, Roebuck and Co. authorized and approved emission-related replacement part may be used in the performance of any ECS Warranty maintenance or repair and will be provided without charge to the owner-use shall not reduce Sears, Roebuck and Co. ECS Warranty obligations. Such
 - Unapproved add-on or modified parts may not be used to modify or repair a Sears, Roebuck and Co. engine. Such use voids this ECS Warranty and shall be sufficient grounds for disallowing an ECS Warranty claim. Sears, Roebuck and Co. shall not be liable hereunder for failures of any warranted parts of a Sears, Roebuck and Co. engine caused by the use of such an unapproved add on a rendefiad end. add-on or modified part

EMISSION-RELATED PARTS INCLUDE THE FOLLOWING:

- Carburetor Assembly and its Internal Components

 Fuel filter
 Carburetor gaskets
 Intake pipe
- 2. Air Cleaner Assembly a) Air filter element
- Ignition System, including: a) Spark plug b) Ignition module c) Flywheel assembly

- 4. Catalytic Muffler (if so equipped)

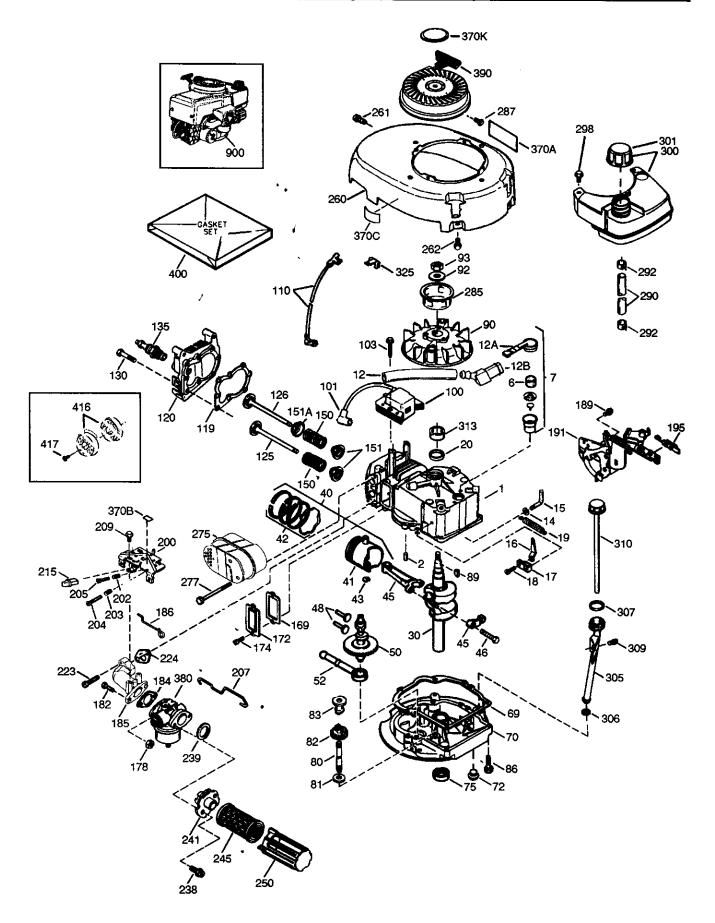
 a) Muffler gasket (if so equipped)
 b) Exhaust manifold (if so equipped)
- 5. Crankcase Breather Assembly and its Components a) Breather connection tube

Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.

Page 6

7.22.97 FPA/CARB

CRAFTSMAN 4-CYCLE ENGINE



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CRAFTSMAN 4-CYCLE ENGINE

MODEL: 143.994016

1 S7280 Cylinder (Incl. 2, 20 & 150) 169 36784 Valve Cover Gasket 2 26727 Dowel Pin Breather Assy. (Incl. 6 & 12A) 172 38784 Screw, 10-24 & 91/6". 12 36577 Breather Tube Breather Tube 178 23752 Screw, 10-24 & 91/6". Nut & Lock Washer, 114-28 Screw, 10-24 & 91/6". 123 S6568 Breather Tube Bines 186 34737 Screw, 10-24 & 91/6". Nut & Lock Washer, 114-28 Screw, 10-42 & 91/6". Screw, 10-42	Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
2 28727 Dowel Pin 172 36764 Valve Cover 38557 Breather Assy. (Incl. 6 & 12A) 174 32020 Screew, 10-24 x 9/16" 12 36757 Breather Assy. (Incl. 6 & 12A) 178 29752 Nut & Lock Washer (1+28) 12A 36558 Breather Tube Elbow 184 "26756 Carburetor To Intake Pipe Gasket 13 3559 Governor Rod (Incl. 14) 189 65039 Screw, 1/4-20 x 30" 16 34839A Governor Lever Clamp 191 36568 S.E. Brake Breacket (Incl. 195) 17 31335 Governor Lever Clamp 195 610737 Terminal 18 651018 Screw, Tox 7-15, 8-32 x 19/64* 200 35727 Control Bracket (Incl. 202 thru 205) 203 36463 Piston, Pin & Ring Set (Std.) 207 34384 Compression Spring 203 35546 Piston, Pin & Ring Set (C010* OS) 208 30200 Screw, Tox 7-10, 6-40 × 1/6* 41 35541 Piston & Pin Assy (020* OS) (Incl. 238 640348 Art Cle	1	37280	Cylinder (Incl. 2, 20 & 150)	169	*36783	Valve Cover Gasket
7 36557 Breather Assy. (Incl. 6 & 12A) 178 29752 Nut & Lock Washer (14-28 12A 36558 Breather Cover & Tube (Incl. 12B) 184 *26756 Carburstor To Intake Pipe Gasket 12B 36658 Breather Tube Elbow 185 3975 Intake Pipe 14 22277 Washer 185 39755 Intake Pipe 15 30589 Governor Rod (Incl. 14) 189 650879 Strather Pipe 15 31335 Governor Lever Clamp 191 36568 St.E. Brake Bracket (Incl. 202 thru 205) 17 31335 Governor Lever Clamp 195 610973 Control Bracket (Incl. 202 thru 205) 18 531018 Screew, Torx T-16, 5-32 x 19/64 200 35727 Control Bracket (Incl. 304, 71/6* 20 36733 Crankshaft 204 651019 Screew, Torx T-10, 6-32 x 41/64* 14 35544 Piston, Fin & Ring Set (010* OS) 207 34336 Throttie Link 14 35544 Piston & Pin Assy (020* OS) 228 650451 Screew, 10-32 x 43/64* 14 35547 Piston & Pin Assy (020	2	26727		172	36784	Valve Cover
7 36557 Breather Assy. (Incl. 6.3 12A) 176 29752 Nut & Lock Washer 1/4-28 12A 36558 Breather Tube Elbow 182 6201 Screw, 1/4-28 778' 12A 36558 Breather Tube Elbow 184 *26756 Carburetor To Intake Pipe Gasket 13 3559 Governor Rod (Incl. 14) 189 65039 Screw, 1/4-20 30'' 14 28277 Washer 181 36568 S.E. Brake Bracket (Incl. 202 thru 205) 17 31335 Governor Lever Clamp 195 610073 Terminal 18 651018 Screw, Torx T-15, 8-32 x 19/64* 200 35727 Control Bracket (Incl. 202 thru 205) 36573 Crankstaft 204 851029 Screw, Torx T-10, 8-32 x 41/64* 10 35644 Piston, Pin & Fing Set (Std.) 207 34336 Throttle Link 11 35644 Piston & Pin Assy. (020* OS) 208 3220* Screw, Torx T-10, 8-32 x 41/64* 13 65434 Piston & Pin Assy. (020* OS) 221 3346 Throttle Link 14 35644 Piston & Pin Assy. (020* O	6	33734	Breather Element	174	30200	Screw, 10-24 x 9/16"
12 3675 Breather Tube 182 6201 Screw, 1/4-28, 7/8* 128 36694 Breather Tube (Incl. 128) 185 36755 Intake Pipe Gasket 14 2827 Washer 186 3437 Governor Link 15 30589 Governor Lever Clamp 191 35658 S.E. Brake Bracket (Incl. 195) 16 34830A Governor Lever Clamp 191 35658 S.E. Brake Bracket (Incl. 202 thru 205) 17 31335 Governor Lever Clamp 191 35654 Compression Spring 20 32600 Oil Seal 203 31342 Compression Spring 203 35646 Piston, Pin & Aring Set (Std) 206 651019 Screw, 10-24 × 916* 41 35541 Piston & Pin Assy (J010' OS) 203 30200 Screw, 10-24 × 916* 41 35542 Piston & Pin Assy (J020' OS) (Incl. 238 4366 Screw, 10-32 × 4916* 42 35647A Piston & Pin Assy (J020' OS) (Incl. 238 53606A Air Cleaner Gasket	7	36557	Breather Ass'y. (Incl. 6 & 12A)	178	29752	
12A 38558 Breather Cover & Tube (Incl. 12B) 144 "26756 Carburetor To Intake Pipe Gasket 12B 36644 Breather Tube Ebow 185 36755 Intake Pipe Gasket 14 28277 Washer 186 34337 Governor Link 15 30559 Governor Rod (Incl. 14) 189 65039 Screw, 14-20 x 397 16 34839A Governor Lever Clamp 191 36568 S.E. Brake Brackott (Incl. 202 thru 205) 19 38260 Orankshaft 203 36732 Compression Spring 203 30 36733 Grankshaft 204 651019 Screw, Tox 1-10, 8-32 x 4164 40 35644A Piston, Pin & Ring Set (Std.) 203 33260 Throttle Link 41 35647A Piston & Pin Assy (1020° OS) (not. 238 65092 Screw, 10-24 x 916* 42 35647A Piston & Pin Assy (1020° OS) (cot. 238 650932 Screw, 10-24 x 916* 43 36547A Piston & Pin Assy (1020° OS) 245 35066 Air	12	36775		182	6201	
128 36694 Breather Tube Elbow 185 36785 Intake Pipe 14 2227 Washer 186 34397 Governor Link 15 30589 Governor Lever Clamp 191 36568 S.E. Brake Bracket (Incl. 195) 17 31335 Governor Lever Clamp 195 610973 Terminal 18 651018 Screw, Tox T-15, 5-32 x 19/64* 200 35727 Control Bracket (Incl. 202 thru 205) 20 32600 Oil Seal 203 31942 Compression Spring 20 32564 Piston, Pin & Ring Set (010° CS) 209 30200 Screw, Tox T-10, 5-40 x 7/16* 40 35544 Piston Pin & Ring Set (010° CS) (Incl. 223 650451 Screw, Tox T-10, 5-40 x 7/16* 41 35542 Piston & Pin Assy, (020° CS) (Incl. 238 650932 Screw, Tox T-10, 5-40 x 7/16* 42 35547A Ring Set (010° CS) 245 35066 Air Cleaner Colar 43 9364 Commetting Rod Assy, (Incl. 45) 251 35066 Air Cleaner Colar	12A	36558	Breather Cover & Tube (Incl. 12B)	184	*26756	-
14 28277 Washer 186 34337 Governor Luk 15 3059B Governor Fod (incl. 14) 189 65039 Screw 11/4-20 x 30* 16 34839A Governor Lever Clamp 191 36588 S.E. Brake Bracket (incl. 195) 17 31335 Governor Lever Clamp 195 610973 Terminal 3851018 Screw, Tox T-15, 6-32 x 19/64 200 35727 Control Bracket (incl. 202 thru 205) 38281 Extension Spring 202 36482 Compression Spring 30 36739 Crankshaft 204 651019 Screw, Tox T-10, 6-32 x 4/64* 40 35545A Piston, Pin A Ring Set (020' OS) 209 32000 Screw, Tox T-10, 6-32 x 4/64* 41 35547 Piston & Pin Assy, (020' OS) (incl. 238 650451 Screw, Tox T-10 42 35547A Ring Set (010' OS) 245 35066 Air Cleaner Gasket 42 35547A Ring Set (020' OS) 250 35066 Air Cleaner Filter 42 35547A	12B	36694		185	36785	
16 34839A Governor Lever 191 36568 S.E. Brake Bracket (Incl. 195) 17 31335 Governor Lever Clamp 195 610973 Terminal 18 651018 Screw, Torx T-15, 8-32 x 19/64* 200 35727 Control Bracket (Incl. 202 thru 205) 19 38281 Crankshaft 203 31942 Compression Spring 30 36733 Crankshaft 204 651019 Screw, Torx T-10, 4-02 x 7/16* 40 35545A Piston, Pin & Ring Set (C02° OS) 207 34336 Throttle Link 41 35541 Piston & Pin Assy, (C02° OS) (Incl. 238 650451 Screw, TorX T-10, 402 x 4/16* 41 35543 Piston & Pin Assy, (C02° OS) (Incl. 238 650451 Screw, TorX T-10 42 35547A Ring Set (Std.) 241 35797 Air Cleaner Colar 42 35548A Ring Set (C30° OS) 245 35066 Air Cleaner Colar 42 35546A Ring Set (C30° OS) 250 350658 Air Cleaner Filter	14	28277	Washer	186		
16 34839A Governor Lever Clamp 191 36568 S.E. Brake Bracket (Incl. 195) 18 651018 Screw, Torx T-15, 8-32 x 19/64* 200 35727 Control Bracket (Incl. 202 thru 205) 19 36281 Extension Spring 202 36482 Control Bracket (Incl. 202 thru 205) 20 36737 Crankshaft 204 651019 Screw, Torx T-10, 6-32 x 41/64* 40 35544 Piston, Pin & Ring Set (Std.) 207 34336 Throttle Link 40 35545 Piston & Pin A Say, (Std.) (Incl. 43) 215 32410 Control Knob 41 35543 Piston & Pin Asy, (A20° OS) (Incl. 238 650932 Screw, 10-24 x 4)/64* 42 35547 Ring Set (Std.) 241 35797 Air Cleaner Collar 42 35548 Fling Set (Std.) 245 35066 Air Cleaner Collar 42 35540 Fling Set (Std.) 245 35066 Air Cleaner Collar 42 36777 Connetting Rod Dati 260 36080 Bower Housing	15	30589	Governor Rod (Incl. 14)	189	650839	Screw, 1/4-20 x 3/8*
17 31335 Governor Lever Clamp 195 610973 Terminal 18 651018 Screw, Tox T-15, 632 x 19/64* 200 35727 Control Bracket (Incl. 202 thru 205) 19 36281 Extension Spring 203 31342 Compression Spring 20 32800 Oil Seal 203 31342 Compression Spring 30 36793 Crankshaft 204 651029 Screw, Tox T-10, 6-32 x 41/64* 40 35544A Piston, Pin & Ring Set (010° OS) 207 3436 Tirotite Link 41 35547 Piston & Pin Ase'y, (010° OS) (Incl. 223 650451 Screw, Tox 24 x 9/16* 41 35547 Piston & Pin Ase'y, (020° OS) (Incl. 238 650922 Screw, 10-32 x 49/64* 42 35547A Ring Set (020° OS) 241 35777 Air Cleaner Coster 42 35548 Ring Set (020° OS) 245 35066 Air Cleaner Coster 43 Sciet Pin Pin Retaining Ring 260 36980 Blower Housing 43 Sciet Pin Pin Retaining Ring 261 30200 Screw, 10-32 x 35/64* <	16	34839A	Governor Lever	191		-
18 651018 Screw, Tox T-15, 6-32 x 19/64* 200 35727 Control Resett (Incl. 202 thru 205) 20 32600 Oil Seal 203 31342 Compression Spring 30 36733 Crantshaft 204 651029 Screw, Tox T-10, 5-40 x 7/16* 30 35743 Piston, Pin & Ring Set (Std.) 205 34338 Throttle Link 40 35545A Piston, Pin & Ring Set (0.00* OS) 209 30200 Screw, Tox T-10, 5-40 x 7/16* 41 35542 Piston & Pin Assy, (Std.) (Incl. 43) 215 32410 Control Knob 41 35543 Piston & Pin Assy, (.020* OS) (Incl. 238 850451 Intake Pipe Gaaket 42 35547A Ring Set (010* OS) 245 35066 Air Cleaner Collar 43 3081 Piston Pin Retaining Ring 260 35065 Air Cleaner Collar 43 2031 Piston Pin Retaining Ring 260 36690 Biower Housing 43 2031 Piston Pin Retaining Ring 260 365081 Screw, 10-24 x 9	17	31335	Governor Lever Clamp	195	610973	
19 36281 Extension Spring 202 36482 Compression Spring 30 36793 Crankshaft 203 31342 Compression Spring 30 36793 Crankshaft 204 651019 Screw, Torx T-10, 5-40 x 7/16* 40 35545A Piston, Pin & Ring Set (010* OS) 207 34336 Throttle Link 41 35544 Piston, Pin A Ring Set (010* OS) 209 30200 Screw, Torx T-10, 5-40 x 7/16* 41 35544 Piston & Pin Ass'y, (010* OS) (Incl. 213 32410 Control Knob 41 35545 Piston & Pin Ass'y, (020* OS) (Incl. 238 650932 Screw, To-3 x 49/64* 42 35546 Ring Set (010* OS) 241 35796 Air Cleaner Collar 42 35549 Ring Set (010* OS) 245 35066 Air Cleaner Collar 43 30231 Pieton Pin Retaining Ping 260 36090 Blower Housing 44 37072 Connecting Rod Ass'y, (Incl. 49) 261 30200 Screw, 1/4-20 x 2-5/16*	18	651018	Screw, Torx T-15, 8-32 x 19/64*	200	35727	Control Bracket (Incl. 202 thru 205)
20 32800 Oil Seal 203 31342 Compression Spring 30 35544A Piston, Pin & Ring Set (Std.) 205 551019 Screw, Tox T-10, 6-32 x 41/64* 40 35544A Piston, Pin & Ring Set (OtO'OS) 207 344336 Throttle Link 41 35544 Piston & Pin Ass'y. (Std.) (Incl. 43) 215 32410 Control Knob 41 35543 Piston & Pin Ass'y. (J00'OS) (Incl. 223 73438 55070; 1/1* 41 35544 Ring Set (J00'OS) (Incl. 238 650932 Screw, 10-32 x 49/64* 42 35547A Ring Set (J00'OS) 241 35797 Air Cleaner Collar 43 35549 Ring Set (J00'OS) 245 35065 Air Cleaner Cover 42 35547A Ring Set (J02'OS) 250 35095 Air Cleaner Cover 43 2031 Piston Pin Retaining Ring 260 30200 Screw, 10-42 x 9/16* 44 355474 Ring Set (J02'O'S) 251 35006 Screw, 10-42 x 9/16*	19	36281	Extension Spring	202	36482	
30 36793 Crankshaft 204 651029 Screw, Tox T-10, 5-40 x 7/16* 40 35545A Piston, Pin & Ring Set (J01° OS) 207 34336 Throttle Link 40 35545A Piston, Pin & Ring Set (J01° OS) 209 30200 Screw, Tox T-10, 5-40 x 7/16* 41 35545 Piston, Pin & Ring Set (J020° OS) 209 30200 Screw, Tox T-10, 6-30 x 41/64* 41 35547 Piston & Pin Ass'y (J01° OS) (Incl. 228 650451 Screw, 10-23 x 49/64* 41 35547 Piston & Pin Ass'y. (J02° OS) (Incl. 238 734338 Air Cleaner Collar 42 35547A Ring Set (J01° OS) 245 35066 Air Cleaner Filter 42 35547 Ring Set (J01° OS) 250 35065 Air Cleaner Collar 43 20381 Piston Pin Retaining Ring 260 36980 Blower Housing 44 3757 Connecting Rod Bot 262 650831 Screw, 10-42 x 9/16* 54 36702 Cameshaft (NCR) 277 36790A Multer <td>20</td> <td>32600</td> <td></td> <td>203</td> <td>31342</td> <td></td>	20	32600		203	31342	
40 35544A Piston, Pin & Ring Set (310' OS) 205 651019 Screw, 10-24 x 9/16* 40 35546 Piston, Pin & Ring Set (010' OS) 209 30200 Screw, 10-24 x 9/16* 41 35541 Piston & Pin Assy, (Std.) (Incl. 43) 215 32410 Control Knob 41 35543 Piston & Pin Assy, (010' OS) (Incl. 223 850451 Screw, 10-24 x 9/16* 41 35544 Piston & Pin Assy, (.020' OS) (Incl. 224 "36786 Intake Pise Gasket 42 35547A Ring Set (Std.) 241 35797 Air Cleaner Callar 42 355484 Ring Set (020' OS) 245 35065 Air Cleaner Collar 43 20311 Piston Pin Retaining Ping 260 36980 Brower Housing 45 36777 Connecting Rod Asy, (Incl. 46) 261 30200 Screw, 10-24 x 9/16* 46 32610A Connecting Rod Bolt 262 55081 Screw, 14-20 x 1:2* 47 3431E Mounting Flange Gasket 287 650986 Screw, 0-32	30	36793	Crankshaft			
40 35545A Piston, Pin & Ring Set (010° OS) 207 34336 Throttle Link 40 35546 Piston & Pin Asiy, (Std.) (Incl. 43) 215 32410 Control Knob 41 35541 Piston & Pin Asiy, (Std.) (Incl. 43) 215 32410 Control Knob 41 35542 Piston & Pin Asiy, (Std.) (Incl. 43) 224 356451 Intake Pipe Gasket 43 3 Piston & Pin Asiy, (Std.) (Incl. 43) 244 35797 Air Cleaner Cleare 42 35547A Ring Set (Std.) 241 35797 Air Cleaner Cleare 42 35547A Ring Set (O20° OS) 250 35065 Air Cleaner Cleare 43 20381 Piston Pin Retaining Ring 260 36980 Biower Housing 45 36777 Connecting Rod Bott 275 36790A Muller 50 37032 Camshaft (NCR) 277 36593B Screw, 1/4-20 x 1/2* 70 34311E Mounting Flange Gasket 287 35000A Starer 716	40	35544A	Piston, Pin & Ring Set (Std.)	205	651019	
40 35546 Piston, Pin & Ring Set (.020° CS) 209 30200 Screw, 10-24 x 9/16* 41 35542 Piston & Pin Assy. (.010° CS) (Incl. 223 560451 Screw, 1/4-20 x 1* 41 35542 Piston & Pin Assy. (.020° CS) (Incl. 223 560451 Screw, 1/4-20 x 1* 43 Piston & Pin Assy. (.020° CS) (Incl. 238 650322 Screw, 10-24 x 9/16* 41 35547 Ring Set (.020° CS) 241 3577 Air Cleaner Gasket 42 35548 Ring Set (.020° CS) 250 35066 Air Cleaner Filter 42 35549 Ring Set (.020° CS) 250 35066 Biower Housing 45 36777 Connecting Rod Assy. (Incl. 46) 261 30200 Screw, 10-24 x 9/16* 46 32610A Connecting Rod Assy. (Incl. 47) 275 36790A Muffler 52 2914 Oil Pump Assy. 285 35000A Starter Cup 53261 Mounting Flange Gasket 287 650926 Screw, 10-32 x 35/64* 75 <t< td=""><td>40</td><td>35545A</td><td></td><td>207</td><td>34336</td><td></td></t<>	40	35545A		207	34336	
41 35541 Piston & Pin Ass'y. (301) (Incl. 43) 215 32410 Sorten Knob 41 35542 Piston & Pin Ass'y. (000 OS) (Incl. 43) 223 850451 Sortew, 1/4-20 x 1* 41 35542 Piston & Pin Ass'y. (020 OS) (Incl. 43) 224 '36786 Intake Pipe Gasket 41 35547 Piston & Pin Ass'y. (020 'OS) (Incl. 43) 238 650932 Sorew, 10-32 x 49/64* 42 35547A Ping Set (Std.) 241 35797 Air Cleaner Casket 42 35547A Ping Set (Std.) 245 33066 Air Cleaner Filter 43 20381 Piston Pin Relatining Ring 260 36980 Blower Housing 45 36777 Connecting Rod Asy'v. (Incl. 46) 261 30200 Screw, 10-24 x 9/16* 50 37032 Camshaft (NCR) 277 650988 Screw, 10-24 x 9/16* 52 29914 Oil Pump Ass'v. 285 35000A Statter Cup 53 3661 Mounting Fiange Gasket 287 650926 Screw, 1.4-20 x 1.2*	40	35546			•	
41 35542 Piston & Pin Ass'y. (.010" OS) (incl. 43) 224 "36786 Intake Pipe Gasket 41 35543 Piston & Pin Ass'y. (.020" OS) (incl. 43) 238 560392 Screw, 10-32 x 49/64" 42 35547A Ring Set (Std.) 241 35786 Air Cleaner Gasket 42 35547A Ring Set (J010" OS) 245 35066 Air Cleaner Collar 42 35548 Ring Set (J020" OS) 250 35065 Air Cleaner Collar 43 20381 Piston & Pin Ass'y. (Incl. 46) 261 30200 Screw, 10-24 x 9/16" 45 36777 Connecting Rod Ass'y. (Incl. 46) 261 30200 Screw, 10-24 x 9/16" 46 32610A Connecting Rod Ass'y. 285 36000A Stater Cup 50 37032 Camshaft (NCR) 277 650898 Stater Cup 52 2914 Oil Drain Plug 298 28764 Fuel Line Clamp 70 34311E Mounting Fiange (Incl. 72 thru 83, 2964 201 Fuel Cap Fuel Cap	41	35541				
43) 244 "36786 Intake Pipe Gasket 41 35543 Piston & Pin Ass'y. (J.02° OS) (Incl. 238 650932 Screw, 10-32 x 49/64* 42 35547A Ring Set (Std.) 241 35797 Air Cleaner Casket 42 35549A Ring Set (J.00° OS) 245 35066 Air Cleaner Filter 42 35549 Piston Pin Retaining Ring 260 36980 Blower Housing 45 36777 Connecting Rod Ass'y. (Incl. 46) 261 30200 Screw, 10-24 x 9/16* 48 27241 Valve Lifter 275 36790A Muffler 50 37032 Camshaft (NCR) 277 650988 Screw, 10-24 x 9/16* 52 29914 Oil Pump Ass'y. 285 35000A Stater Cup 69 "35261 Mounting Fiange Gasket 287 650926 Screw, 10-32 x 35/64* 75 27897 Oil Seal 300 36616 Fuel Line Screw 72 36083 Goremor Spool 307 <td< td=""><td>41</td><td>35542</td><td></td><td></td><td>650451</td><td>Screw, 1/4-20 x 1"</td></td<>	41	35542			650451	Screw, 1/4-20 x 1"
41 35543 Piston & Pin Ass'y. (JO20" OS) (Incl. 43) 238 650932 Screw, 10-32 x 49/64" A1 Cleaner Calaket 42 42 35547A Ring Set (JO1" OS) 241 35797 Air Cleaner Collar 42 35548A Ring Set (JO20" OS) 245 35066 Air Cleaner Collar 43 20381 Piston Pin Retaining Ring 260 35980 Blower Housing 45 36777 Connecting Rod Ass'y. (Incl. 46) 261 30200 Screw, 10-24 x 9/16" 46 32610A Connecting Rod Bolt 262 650928 Screw, 1/4-20 x 2-5/16" 52 2914 Oil Pump Ass'y. 285 36000A Starter Cup 69 "35261 Mounting Flange Gasket 287 650926 Screw, 1/4-20 x 2-5/16" 70 34311E Mounting Flange (Incl. 72 thru 83, 290 29774 Fuel Line Fuel Line 72 36083 Oil Drain Plug 288 28763 Screw, 10-32 x 35/64" 75 27897 Oil Seal 300 36916 Fuel Tank (Incl. 292 & 301)					*36786	
42 35547A Ring Set (Std.) 241 35797 Air Cleaner Collar 42 35548A Ring Set (Q20° OS) 245 35066 Air Cleaner Cover 43 20381 Piston Pin Retaining Ring 260 36980 Blower Housing 45 36777 Connecting Rod Ass'y. (Incl. 46) 261 30200 Screw, 10-24 x 9/16* 46 32610A Connecting Rod Bolt 262 650831 Screw, 14-20 x 1/2* 48 27241 Valve Lifter 277 650988 Screw, 1/4-20 x 2-5/16* 50 37032 Camshaft (NCR) 277 650988 Screw, 1/4-20 x 2-5/16* 52 29914 Oil Pump Assy. 285 35000A Statter Cup 50 37032 Camshaft (NCR) 290 29774 Fuel Line 70 34311E Mounting Flange Gasket 280 29774 Fuel Line 3060 0il Drain Plug 298 28763 Screw, 10-32 x 3/64* 50 30574A Governor Shaft 301 36246 Fuel Cap 81 305904 Washer <td< td=""><td>41</td><td>35543</td><td>Piston & Pin Ass'y. (.020" OS) (Incl.</td><td>238</td><td>650932</td><td></td></td<>	41	35543	Piston & Pin Ass'y. (.020" OS) (Incl.	238	650932	
42 35548A Fing Set (010° OS) 245 35066 Air Cleaner Filter 42 35549 Fing Set (020° OS) 250 35065 Air Cleaner Cover 43 20381 Piston Pin Retaining Ring 260 36980 Blower Housing 45 36777 Connecting Rod Ass'y. (Incl. 46) 261 30200 Screw, 10-24 x 9/16* 46 32610A Connecting Rod Ass'y. (Incl. 46) 261 30200 Screw, 14-20 x 1/2* 48 27241 Valve Lifter 275 350064 Muffler 50 37032 Camshaft (NCR) 277 650988 Screw, 1/4-20 x 2-5/16* 52 29914 Oil Pump Ass'y. 285 35000A Stater Cup 69 "352E1 Mounting Flange Gasket 287 650926 Screw, 10-32 x 35/64* 70 34311E Mounting Flange Gasket 200 29774 Fuel Line Clamp 72 36083 Oil Drain Plug 298 28763 Screw, 10-32 x 35/64* 75 27897 O			43)	239	*34338	Air Cleaner Gasket
42 35549 Ring Set (.020° OS) 250 35065 Air Cleaner Cover 43 20381 Piston Pin Retaining Ring 260 36980 Blower Housing 44 32610A Connecting Rod Ass'v. (incl. 46) 261 30200 Screw, 10-24 x 9/16" 46 32610A Connecting Rod Ass'v. (incl. 46) 262 650831 Screw, 1/4-20 x 1/2" 48 27241 Valve Litter 275 36790A Muffler 50 37032 Camshaft (NCR) 277 650988 Screw, 1/4-20 x 2-5/16" 52 29914 Oil Pump Ass'v. 285 35000A Stater Cup 69 "35261 Mounting Flange Gasket 287 650926 Screw, 1/4-20 x 2-5/16" 70 34311E Mounting Flange Gasket 287 650826 Screw, 10-32 x 35/64" 75 27897 Oil Seal 300 36916 Fuel Line Clamp 80 30574A Governor Shaft 301 36646 Fuel Cap Oil Fill Tube 81 30580A Governor Spool 307 35499 'O"-Ring 'O"	42	35547A	Ring Set (Std.)	241	35797	Air Cleaner Collar
42 35549 Hing Set (020" OS) 250 35065 Air Cleaner Cover 43 20381 Piston Pin Retaining Ring 260 36980 Blower Housing 45 36777 Connecting Rod Assy. (Incl. 46) 261 30200 Screw, 10-24 x 9/16" 46 32610A Connecting Rod Assy. (Incl. 46) 252 650981 Screw, 1/4-20 x 1/2" 48 27241 Valve Litter 275 36790A Muffler 50 37032 Camshaft (NCR) 277 650988 Screw, 1/4-20 x 2-5/16" 52 29914 Oil Pump Ass'y. 285 35000A Stater Cup 69 "35261 Mounting Flange Gasket 287 650926 Screw, 1/4-20 x 2-5/16" 70 34311E Mounting Flange Gasket 287 650926 Screw, 10-32 x 35/64" 72 36083 Oil Drain Plug 298 28763 Screw, 10-32 x 35/64" 73 27897 Oil Seal 300 36547 Oil Fill Tube 74 300590A Washer 305 35647 Oil Fill Tube 70 350881	42	35548A		245	35066	Air Cleaner Filter
45 36777 Connecting Rod As'y. (Incl. 46) 261 30200 Screw, 10-24 x 9/16* 46 32610A Connecting Rod Bolt 262 650831 Screw, 1/4-20 x 1/2* 48 27241 Valve Lifter 275 36790A Muffler 50 37032 Camshaft (NCR) 277 650988 Screw, 1/4-20 x 2-5/16* 52 29914 Oil Pump Ass'y. 285 35000A Statter Cup 69 "35261 Mounting Flange Gasket 287 6509268 Screw, 8-32 x 21/64* 70 34311E Mounting Flange (Incl. 72 thru 83, 306) 292 26460 Fuel Line Fuel Line 72 36083 Oil Drain Plug 298 28763 Screw, 10-32 x 35/64* Fuel Line 81 30590A Governor Shaft 301 36246 Fuel Canp Fuel Canp 82 30591 Governor Spool 307 35499 "O"-Ring Screw, 10-32 x 3/8* 83 30588A Governor Spool 307 35499 "O"-Ring Screw, 10-32 x 3/8* 90 611112 Flywheel Nut <	42	35549		250	35065	Air Cleaner Cover
46 32610A Connecting Rod Bolt 262 550831 Screw, 1/4-20 x 1/2* 48 27241 Valve Lifter 275 36790A Muffler 50 37032 Camshaft (NCR) 277 650988 Screw, 1/4-20 x 2-5/16* 52 29914 Oil Pump Ass'y. 285 35000A Statter Cup 69 "32621 Mounting Flange Gasket 287 650826 Screw, 8-32 x 21/64* 70 34311E Mounting Flange (Incl. 72 thru 83, 290 29774 Fuel Line Fuel Line 70 34311E Mounting Flange (Incl. 72 thru 83, 290 29774 Fuel Line Clamp 72 36083 Oil Drain Plug 298 28763 Screw, 10-32 x 35/64* 75 27897 Oil Seal 301 36246 Fuel Cap 81 30590A Washer 305 35647 Oil Fill Tube 82 30591 Governor Spool 307 35499 "O"-Ring 83 611004 Flywheel Nut 370A 365612	43	20381	Piston Pin Retaining Ring	260	36980	Blower Housing
48 27241 Valve Lifter 275 36790A Muffler 50 37032 Camshaft (NCR) 277 650988 Screw, 1/4-20 x 2-5/16" 52 29914 Oil Pump Ass'y. 285 35000A Starter Cup 69 "35261 Mounting Flange Gasket 287 650926 Screw, 8-32 x 21/64" 70 34311E Mounting Flange (Incl. 72 thru 83, 306) 292 28460 Fuel Line 72 36083 Oil Drain Plug 298 28763 Screw, 10-32 x 35/64" 75 27897 Oil Seal 300 36916 Fuel Line Clamp 81 30590A Washer 305 35647 Oil Flin Tube 82 30591 Governor Gear Ass'y. (Incl. 81) 306 "36996" "O"-Ring 83 30588A Governor Spool 307 35499 "O"-Ring Screw, 10-32 x 3/8" 89 611004 Flywheel 313 34080 Spacer Screw, 10-32 x 3/8" 90 611112 Flywheel Key 310 35647 Corencrol Scol Screw, 10-32 x 3/8" <tr< td=""><td>45</td><td>36777</td><td>Connecting Rod Ass'y. (Incl. 46)</td><td>261</td><td>30200</td><td>Screw, 10-24 x 9/16"</td></tr<>	45	36777	Connecting Rod Ass'y. (Incl. 46)	261	30200	Screw, 10-24 x 9/16"
50 37032 Camshaft (NCR) 277 650988 Screw, 1/4-20 x 2-5/16* 52 29914 Oil Pump Ass'y. 285 35000A Starter Cup 69 "35261 Mounting Flange Gasket 287 650926 Screw, 8-32 x 21/64" 70 34311E Mounting Flange (Incl. 72 thru 83, 306) 29774 Fuel Line Fuel Line 70 36083 Oil Drain Plug 298 28763 Screw, 8-32 x 21/64" 75 27897 Oil Seal 300 36916 Fuel Line Clamp 80 30574A Governor Shaft 301 36246 Fuel Cap 81 30590A Washer 305 35647 Oil Fill Tube 82 30591 Governor Spool 307 36499 "O"-Ring 83 30588A Governor Spool 307 35648 Dipstick 90 611012 Flywheel Key 310 35648 Dipstick 91 650815 Belleville Washer 325 37152 Spring C	46	32610A	Connecting Rod Bolt	262	650831	Screw, 1/4-20 x 1/2"
52 29914 Oil Pump Ass'y. 285 35000A Starter Cup 69 "35261 Mounting Flange Gasket 287 650926 Screw, 8-32 x 21/64" 70 34311E Mounting Flange (Incl. 72 thru 83, 306) 290 29774 Fuel Line 72 36083 Oil Drain Plug 298 28763 Screw, 8-32 x 21/64" 75 27897 Oil Seal 300 36916 Fuel Line Cap 80 30574A Governor Shaft 301 36246 Fuel Cap 81 30590A Washer 305 35647 Oil Fill Tube 82 30591 Governor Spool 307 355499 "O"-Ring 83 30588A Governor Spool 307 35648 Dipstick 90 611104 Flywheel Key 310 35648 Dipstick 91 650815 Belleville Washer 325 37152 Spring Clip 92 650815 Belleville Washer 370A 36261 Lubrication Decal 100 34443B Solid State Ignition 370A 36261 <td></td> <td>27241</td> <td>Valve Lifter</td> <td></td> <td>36790A</td> <td>Muffler</td>		27241	Valve Lifter		36790A	Muffler
69 "35261 Mounting Flange Gasket 287 650926 Screw, 8-32 x 21/64" 70 34311E Mounting Flange (Incl. 72 thru 83, 306) 290 29774 Fuel Line 72 36083 Oil Drain Plug 298 28763 Screw, 8-32 x 21/64" 75 27897 Oil Seal 300 36916 Fuel Line Clamp 80 30574A Governor Shaft 301 36246 Fuel Cap 81 30590A Washer 305 35647 Oil Fill Tube 82 30588A Governor Spool 307 35499 "O"-Ring 83 30588A Governor Spool 307 35499 "O"-Ring 84 650488 Screw, 14-20 x 1-1/4" 309 650562 Screw, 10-32 x 3/8" 90 611112 Flywheel Key 310 35648 Dipstick 92 650815 Belleville Washer 325 37152 Spring Clip 93 650816 Flywheel Nut 370A 36261 Lubrication Decal 100 34443B Solid State Ignition 370K		37032	Camshaft (NCR)	277	650988	Screw, 1/4-20 x 2-5/16*
70 34311E Mounting Flange (Incl. 72 thru 83, 306) 290 29774 Fuel Line 72 36083 Oil Drain Plug 298 28763 Screw, 10-32 x 35/64" 75 27897 Oil Seal 300 36916 Fuel Line Clamp 80 30574A Governor Shaft 301 36246 Fuel Cap Puel Cap 81 30590A Washer 305 35647 Oil Fill Tube Cap 82 30591 Governor Gear Ass'y. (Incl. 81) 306 "36996 "O'-Ring 83 30588A Governor Spool 307 35499 "O'-Ring 84 650488 Screw, 1/4-20 x 1-1/4" 309 650562 Screw, 10-32 x 3/8" 90 611112 Flywheel Key 310 35648 Dipstick 91 650815 Belleville Washer 325 37152 Spring Clip 93 650816 Flywheel Nut 370A 36261 Lubrication Decal 100 34443B Solid State Ignition 370B 37152 Spring Clip 110 610118<	52	29914	Oil Pump Ass'y.	285	35000A	Starter Cup
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Gasket Set, Ref. No. 400.		1		ŀ		*Indicates Parts Included in
		"001/	andre valve Obal			Gasket Set, Ref. No. 400.
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CRAFTSMAN 4-CYCLE ENGINE

MODEL: 143.994016

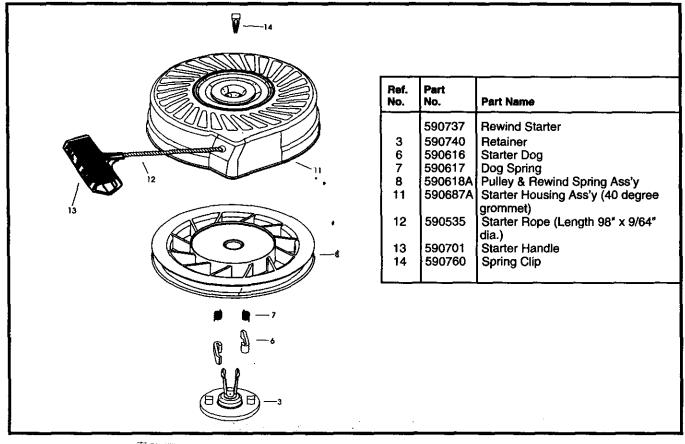
Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
380 390	640156 590737	Carburetor (Incl. 184) Rewind Starter (NOTE: This engine could have been built with 590694 starter).	900 900		Replacement Engine 750817A, order from 71-999 Replacement Short Block 750806B, order from 71-999
400 416	37029A 36085	Gasket Set (Incl. Items Marked *) Spark Arrestor Kit (Incl. 417)		181-1188-11	Operator's Manual
417	650821	(Optional) Screw, 10-32 x 1/2" (Optional)			*Indicates Parts Included in Gasket Set, Ref. No. 400.
					RPM High 2900 to 3200 RPM Low 2450 to 2750
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CARBURETOR NO. 640156

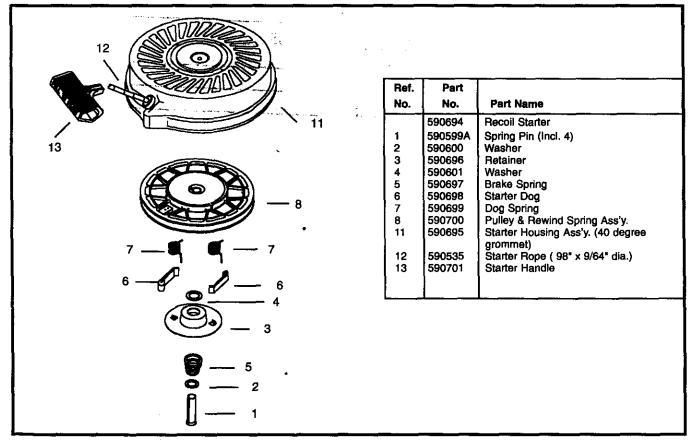
·	Ref. No.	Part No.	Part Name
	1 2 4 5 6 7 16 17 18 20 20A 25 27 28 29 30 31 35 366 36A 37 40 44 47 48 60	640156 631615 631767 *631184 *631183 640070 *650506 631807 651025 630766 640016 640053 631867 *631024 631024 631022 36045A 632735 632766 *632547 640157 27110A *630748 (631027 632760	Carburetor (Incl. 184 of Engine Parts List) Throttle Shaft & Lever Assembly Throttle Return Spring Dust Seal Washer Dust Seal (Throttle) Throttle Shutter Shutter Screw Fuel Fitting Throttle Crack Screw/Idle Speed Screw Tension Spring Idle Restrictor Screw Idle Restrictor Screw Cap Float Bowl Float Shaft Float Bowl Float Bowl Float Bowl "O" Ring Inlet Needle, Seat, & Clip (Incl. 31) Spring Clip Primer Bulb/Retainer Ring Main Nozzle Tube Carburetor Tube "O" Ring, Main Nozzle Tube High Speed Bowl Nut Bowl Nut Washer Welch Plug, Idle Mixture Well Weich Plug, Atmospheric Vent Repair kit (Incl. Items Marked *)

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REWIND STARTER NO. 590737



STARTER NO. 590694



operator's manual

MODEL NO. 143.994016

4.0 RESERVE POWER 10 CUBIC INCH (164 cc) DISPLACEMENT

SOLID STATE IGNITION

CAUTION: Read RULES for Safe OPERATION and INSTRUCTIONS Carefully

How to ORDER Repair Parts

The Model Number can be found on a decal on the blower housing (See Figure 1). Always mention the Model Number when requesting service or repair parts for your Craftsman Engine.

All parts listed herein may be ordered from any SEARS, ROEBUCK AND CO. or SEARS CANADA, INC. retail or catalog store. If the parts you need are not stocked locally, your order will be electronically transmitted to a Sears Repair Parts Distribution Center for expedited handling.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST.

- 1. The PART NUMBER
- 2. The PART DESCRIPTION
- 3. The MODEL NUMBER

KHLEIVE

4. The NAME OF ITEM - ENGINE

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