

**Operator's  
Manual  
Model  
1320PS**

**Walk-Behind  
Lawnmower**



3 HP, 20" CUTTING WIDTH  
MFG. NO. 1690904

***Simplicity***®



# IMPORTANT

## RULES FOR SAFE OPERATION



THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH, IF NOT FOLLOWED, COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO OPERATE YOUR LAWN MOWER.



IT IS IMPERATIVE IN OPERATION AND HANDLING THE LAWN MOWER THAT CERTAIN NORMAL PRECAUTIONS BE OBSERVED TO PREVENT THE POSSIBILITY OF INJURY OR DAMAGE.

PLEASE READ THE RULES FOR SAFE OPERATION BEFORE YOU ASSEMBLE OR USE YOUR LAWN MOWER.



### CAUTION

THE ENGINE CONTROL ON THIS MOWER IS INSTALLED TO MINIMIZE THE RISK OF BLADE CONTACT INJURY AND IS REQUIRED BY FEDERAL REGULATIONS. DO NOT UNDER ANY CIRCUMSTANCES ATTEMPT TO DEFEAT THE FUNCTION OF THE ENGINE CONTROL.



### TRAINING:

- NEVER ALLOW CHILDREN TO OPERATE A POWER MOWER.
- GIVE COMPLETE AND UNDIVIDED ATTENTION TO THE JOB AT HAND.
- READ THE INSTRUCTION MANUAL CAREFULLY—LEARN THE PROPER USE OF THE MOWER.
- USE THE MOWER ONLY AS THE MANUFACTURER INTENDED AND AS DESCRIBED IN THE OWNER'S MANUAL.
- DRESS PROPERLY—DO NOT WEAR LOOSE CLOTHING OR JEWELRY. THEY CAN BE CAUGHT IN MOVING PARTS.
- KEEP HANDS AND FEET AWAY FROM ALL MOVING PARTS.
- KEEP CHILDREN AWAY—ALL VISITORS SHOULD BE KEPT A SAFE DISTANCE FROM WORK AREA.
- STORE IDLE MOWER INDOORS—WHEN NOT IN USE, MOWER SHOULD BE STORED INDOORS IN DRY, HIGH OR LOCKED-UP PLACE—OUT OF REACH OF CHILDREN.
- DON'T OVERREACH—KEEP PROPER FOOTING AND BALANCE AT ALL TIMES.
- MAINTAIN MOWER WITH CARE—KEEP CUTTING EDGES SHARP AND CLEAN FOR BEST AND SAFEST PERFORMANCE. FOLLOW INSTRUCTIONS FOR LUBRICATING AND CHANGING ACCESSORIES.
- REGARD YOUR MOWER AS A PIECE OF POWER EQUIPMENT AND TEACH THIS REGARD TO ALL WHO OPERATE THE EQUIPMENT.
- DO NOT OPERATE MOWER AFTER IT HAS BEEN DROPPED OR DAMAGED IN ANY MANNER. RETURN PRODUCT TO NEAREST AUTHORIZED SERVICE FACILITY FOR EXAMINATION AND REPAIR.
- THE USE OF ACCESSORY ATTACHMENTS NOT RECOMMENDED BY THE MOWER MANUFACTURER MAY CAUSE HAZARDS.



### PREPARATION:

- AVOID DANGEROUS ENVIRONMENT—DON'T USE MOWER IN DAMP OR WET LOCATIONS.

- DON'T FORCE MOWER—IT WILL DO THE JOB BETTER AND SAFER AT THE RATE FOR WHICH IT WAS DESIGNED.
- USE RIGHT PRODUCT—DO NOT USE MOWER FOR ANY JOB EXCEPT THAT FOR WHICH IT IS INTENDED.
- DRESS PROPERLY—DO NOT WEAR LOOSE CLOTHING OR JEWELRY. THEY MAY BE CAUGHT IN MOVING PARTS.



### ADDITIONAL SAFEGUARDS BEFORE STARTING THE MOWER

- KNOW YOUR CONTROLS—READ THE OWNER'S MANUAL CAREFULLY—LEARN HOW TO STOP ENGINE QUICKLY IN EMERGENCY.
- OBJECTS STRUCK BY THE LAWN MOWER BLADE CAN CAUSE SEVERE INJURIES TO PERSONS. THE LAWN SHOULD ALWAYS BE CAREFULLY EXAMINED AND CLEARED OF ALL OBJECTS PRIOR TO EACH MOWING.
- CLEAR THE AREA OF ALL PERSONS—PARTICULARLY SMALL CHILDREN AND PETS—INSTRUCT CHILDREN TO STAY AWAY FROM THE AREA WHILE MOWER IS IN OPERATION. NEVER ALLOW CHILDREN TO OPERATE A POWER MOWER.
- MOW ONLY IN DAYLIGHT OR IN GOOD ARTIFICIAL LIGHT.
- DO NOT OPERATE MOWER IN WET GRASS.
- WEAR HEAVY SHOES AND LONG PANTS WHILE USING MOWER.
- MAKE WHEEL HEIGHT ADJUSTMENTS BEFORE USING THE MOWER, NEVER WHILE THE ENGINE IS RUNNING.
- CHECK THE FUEL BEFORE STARTING THE ENGINE. DO NOT FILL THE GASOLINE TANK INDOORS, WHEN THE ENGINE IS RUNNING OR UNTIL THE ENGINE HAS BEEN ALLOWED TO COOL FOR SEVERAL MINUTES AFTER RUNNING.



### OPERATION:

- GIVE YOUR COMPLETE AND UNDIVIDED ATTENTION TO THE JOB AT HAND.
- DO NOT CHANGE ENGINE GOVERNOR SETTINGS.
- KEEP FEET AND HANDS WELL AWAY FROM THE BLADE AND/OR ROTATING PARTS.

## RULES FOR SAFE OPERATION (Con't)

- WHEN PULLING THE STARTER HANDLE OF YOUR MOWER, STAND FIRM, BEHIND THE MOWER AS SHOWN ON PG. 6 AND MAKE SURE YOUR FEET ARE WELL AWAY FROM THE BLADE AND ALL MOVING PARTS.
- AFTER STRIKING A FOREIGN OBJECT, SHUT OFF THE ENGINE, MAKE ABSOLUTELY SURE THE BLADE AND ALL MOVING PARTS HAVE COMPLETELY STOPPED, DISCONNECT THE SPARK PLUG WIRE FROM THE SPARK PLUG AND KEEP THE WIRE AWAY FROM THE PLUG TO PREVENT ACCIDENTAL STARTING, THEN THOROUGHLY INSPECT THE MOWER FOR ANY DAMAGE. SUCH DAMAGE MUST BE REPAIRED BEFORE RESTARTING AND OPERATING THE MOWER. REMEMBER, HEAVY VIBRATION IS GENERALLY A SIGN OF TROUBLE.
- STOP THE ENGINE WHENEVER YOU LEAVE THE MOWER, BEFORE CROSSING DRIVES, WALKS OR ROADS, OR WORKING ON THE MOWER.
- NEVER CUT GRASS BY PULLING THE MOWER TOWARDS YOU. MOW ACROSS THE FACE OF SLOPES, NEVER UP AND DOWN. DO NOT MOW EXCESSIVELY STEEP SLOPES. USE CAUTION WHEN OPERATING THE MOWER ON UNEVEN TERRAIN OR CHANGING DIRECTION; MAINTAIN GOOD FOOTING.
- IF MOWER SHOULD START TO VIBRATE ABNORMALLY, STOP THE ENGINE AND CHECK IMMEDIATELY FOR THE CAUSE.
- THE OPTIONAL GRASS CATCHER WILL FILL TO NEAR CAPACITY. SINCE THE CATCHER IS EXTENDED SOME DISTANCE TO THE RIGHT OF THE MOWER, THE ADDED WEIGHT OF A FULLY PACKED GRASS CATCHER MAY TEND TO SHIFT THE BALANCE OF THE MOWER ESPECIALLY WHEN MOWING ON HILLY TERRAIN. UNDER THESE CONDITIONS THE GRASS CATCHER SHOULD BE EMPTIED FREQUENTLY.
- BEFORE REMOVING GRASS CATCHER AND/OR UNCLOGGING CHUTE, SHUT ENGINE OFF AND WAIT UNTIL BLADE COMES TO A COMPLETE STOP. DISCONNECT THE SPARK PLUG WIRE AND KEEP IT AWAY FROM THE SPARK PLUG TO PREVENT INJURY OR ACCIDENTAL STARTING.

## MAINTAINING THE MOWER...

- ALWAYS PROPERLY MAINTAIN THE MOWER BY FOLLOWING MANUFACTURERS INSTRUCTIONS - CHECK ALL FASTENERS, GUARDS AND PORTS. BUILT-IN SAFETY FEATURES ARE EFFECTIVE ONLY IF MAINTAINED AND KEPT IN PLACE.

## WARNING

- KEEP ENGINE FREE OF GRASS OR DEBRIS BUILDUP TO REDUCE FIRE HAZARD.
- CHECK (OPTIONAL ACCESSORY) GRASS CATCHER BAGS FREQUENTLY FOR WEAR OR DETERIORATION; REPLACE WHEN NEEDED FOR SAFETY PROTECTION.
- ALLOW ENGINE TO COOL BEFORE STORING IN ANY ENCLOSURE.
- KEEP A SHARP BLADE ON YOUR MOWER.

Notice to Customers in the State of California - The Engine on this Unit is NOT equipped with a SPARK ARRESTING MUFFLER.

## WARNING

Use or Operation of this Engine on any Forest Covered, Brush Covered, or Grass Covered Land without a State approved Spark Arrestor in effective working order constitutes a Violation of the Law of the State of California.

## GET THE MOST FROM YOUR GASOLINE-POWERED MOWER

### IMPORTANT TIPS TO HELP YOUR LAWN MOWER, START FASTER, RUN BETTER AND LAST LONGER

1. Use unleaded gasoline: It burns cleaner and leaves less residue in the engine. Regular Gasoline can also be used.
2. Drain or "run-out" all gasoline from the tank at the end of the season: DO NOT leave gasoline in your mower when stored for long periods. It will "gum-up" your engine. Run engine until the gas runs out.
3. Start each mowing season with fresh gasoline: DO NOT keep "old" gasoline in your gasoline can. If your gasoline can is starting to rust, get a new can.
4. Change your spark plug every spring. Old, corroded spark plug prevents fast starting and smooth running engines.
5. Clean or change your air filter often: Dirt, along with heat - can harm your engine - the filter will clog up, preventing clean air from reaching your engine. Polyurethane filters can be washed and relubricated.
6. Use SAE 10W30 or SAE 30 oil: Do not use 10W40.
7. Change oil as recommended: IMPORTANT - Change oil after first two (2) hours of use, and then every 25 hours of use.
8. Replace the blade when needed: You can sharpen the blade - but we do not recommend it. Erosion from hitting foreign objects can damage the blade and affect the "lift". Replace with one specifically designed for your mower.
9. At the end of each season, clean your mower: IMPORTANT - First disconnect the spark plug wire. If possible, store in a place that will be free of moisture where mower will not rust, for instance, in a basement.
10. Follow the care suggestions in your owners manual: Read your manual and keep it in a convenient place.
11. DO NOT put additives in the oil or gasoline. Do not use gasohol.

# KNOW YOUR LAWN MOWER

**WARNING:** Do not operate this mower without the safety chute guard or an entire approved grass catcher in place. These guards are for your protection and are required by the American National Standards Institute.

## SET-UP INSTRUCTIONS

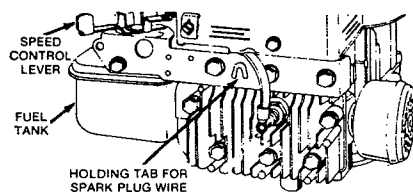
Read this Manual in its entirety before attempting to assemble or operate the Lawn Mower. The Lawn Mower has been assembled at the factory except for the Lower and Upper Handlebar and Starter Rope Guide which have been left unassembled for shipping purposes. All parts such as Nuts, Washers, Bolts, Etc.; necessary to complete the assembly; have been placed in the Parts Bag.

**NOTE:** Before Assembling or Operating Unit; Check for Damage and/or Missing Parts.

**DO NOT OPERATE THIS MOWER UNTIL THE FOLLOWING STEPS HAVE BEEN COMPLETED.**

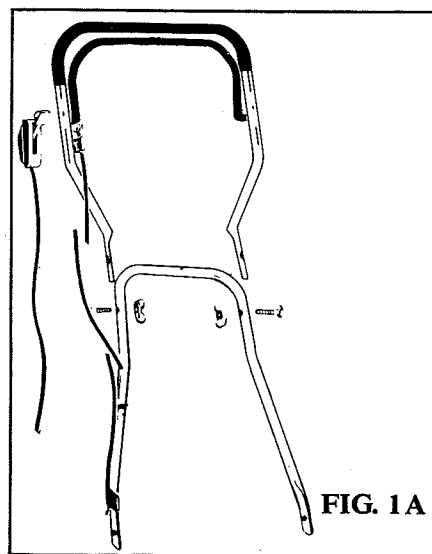
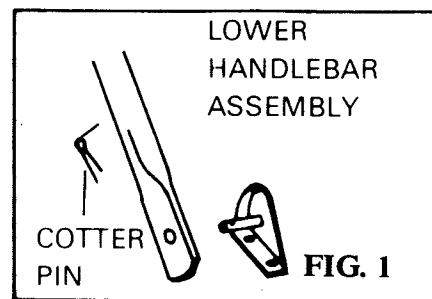
### STEP 1

Remove Spark Plug Wire and place into Spark Plug Wire holding Tab on Engine.



### STEP 2

Attach Lower Handle to Mower; Slip one leg of Lower Handle onto the Pin of the Attaching Brackets on the Mower Base. Apply inward pressure on the other leg of the Handle Bar and snap over the Pin of the other Bracket. Secure with Cotter Pins (See Fig. 1)

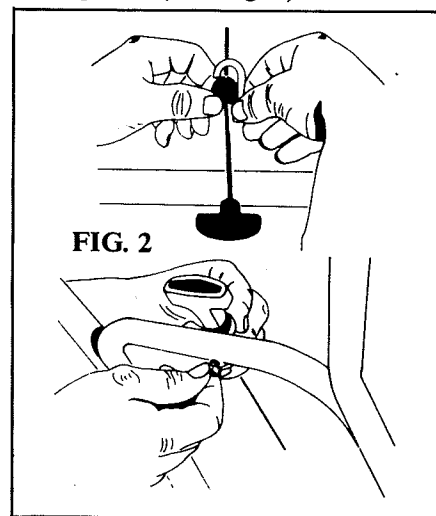


### STEP 3

Attach Upper Handle to Mower; with Throttle Control Lever facing up; align holes in Upper and Lower Handles. Insert Saddle Bolts; Head of Bolt to outside of Handles; secure with 5/16" - Wing Nut. Secure Cables to Lower right hand using supplied Cable Tie. (See Fig. 1A)

### STEP 4

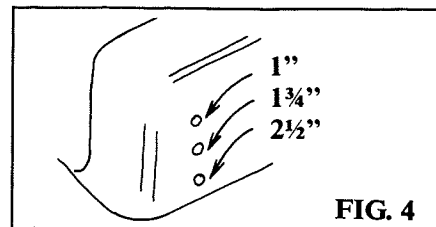
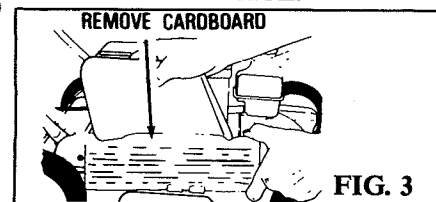
Attach starter Rope to Lower Handle. Remove 1/4 - 20 J-Bolt, 1/4 - 20 Kepnut and Rope Guide from Hardware Kit. Depress Control Lever to free Engine Brake and Pull Starter Rope from Engine as needed. Place Rope Guide around Starter Rope, then J-Bolt around the Rope Guide and through the Lower Handlebar. Secure with 1/4 - 20 Kepnut and tighten. (See Fig. 2)



### STEP 5

Release Safety Chute Extension. The Safety Chute is blocked in a vertical Position for shipping. Remove the cardboard and allow Chute Extension to spring down over end of Chute. (See Fig. 3)

**DO NOT OPERATE THIS MOWER WITHOUT CHUTE EXTENSION OR AN APPROVED GRASS CATCHER IN PLACE.**



## OPERATING INSTRUCTIONS

**NEVER MAKE ANY INSPECTIONS, ADJUSTMENTS OR REPAIRS WITHOUT FIRST DISCONNECTING THE SPARK PLUG WIRE. PLACE WIRE WHERE IT CANNOT COME IN CONTACT WITH SPARK PLUG.**

### WHEEL HEIGHT ADJUSTMENT

**WARNING:**

Turn off engine and disconnect spark plug before adjusting wheels.

All wheels should be set to the same height. Holes are set for cutting heights from 1" to 2 1/2", the higher the hole, the closer the cut. (See Fig. 4 for specific cutting heights.)

**NOTE:** The heights of cut are measured from the ground to the blade tip with the engine not running. These cutting heights are approximate and may vary depending upon soil conditions, height of grass and types of grass being mowed.

## ENGINE OPERATION

### SERVICE THE FOLLOWING POINTS BEFORE STARTING ENGINE

1. Place unit so engine is in a level position.
2. Remove oil fill plug (figure 5) and fill crankcase (pour slowly) with approximately 1 pint of oil to top of oil fill hole. **NOTE:** Use a high quality detergent oil classified "For service SC, SD, SE, or SF", such as SAE 10W-30 (SAE 30 is an acceptable substitute). **DO NOT USE 10W40 OIL.** Crankcase capacity is approximately 21 ounces (1¼ pints). Crankcase oil should be changed after first two (2) hours of operation and every twenty-five (25) hours thereafter.

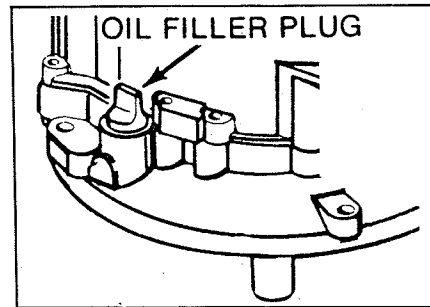


FIG. 5

3. Replace oil fill plug and tighten securely.

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



CAUTION

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### ZONE START/ENGINE CONTROL LEVER

**CAUTION:** The blade turns when the engine is running.

Your mower is equipped with an operator zone engine control which requires the operator to be positioned behind the mower handle to start and operate the mower.

The engine control lever must be pulled up to the handle to start and run the engine. Releasing the engine control lever will stop the engine. An internal engine brake assists the blade in stopping quickly.

When the operator leaves normal mowing position to remove the grass catcher, change the cutting height, pick up sticks or other objects in the mowing path, the engine will automatically stop when the engine control lever is released.

**DANGER**  
Keep hands and feet clear of cutting blade and all moving parts.



**IF ENGINE DOES NOT COME TO IMMEDIATE STOP UPON RELEASE OF ENGINE CONTROL LEVER, CONTACT AN AUTHORIZED SERVICE DEALER.**

4. Fill gas tank with clean, fresh, lead-free grade automotive gasoline. Low-lead or regular gasoline is an acceptable substitute. Do not use Ethyl or high octane gasoline or gasohol. Be certain container is clean and free from rust or foreign particles. Never use gasoline that may be stale from long periods of storage in the container.
5. Check all nut and bolts to be sure none are loose.
6. Check to make sure that spark plug is tightened securely into engine and that spark plug wire is attached to spark plug.

### TO START ENGINE

**Safety precautions before mowing.**  
Before using your mower, again refer to the "Rules for Safe Operation" as shown on the inside of the front cover of this manual. Always be careful.

The carburetor on your lawn mower has been completely adjusted at the factory.

1. Position yourself firmly behind mower in operator position and pull-up engine control lever (see fig. 6).
2. Move throttle control lever to midway between fast and slow positions.

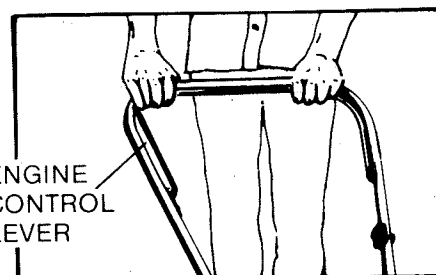
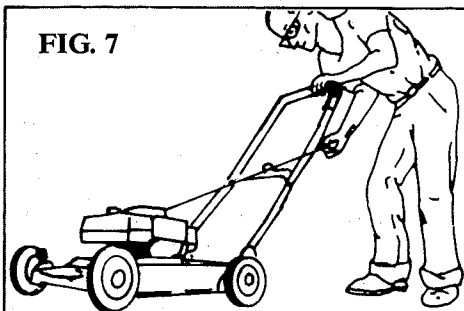


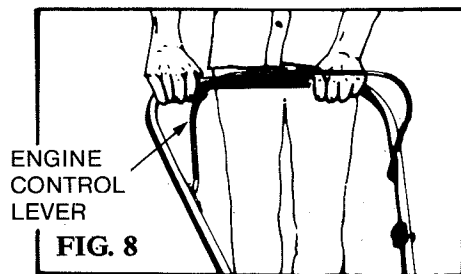
FIG. 6

3. Pull up sharply on the recoil starter (See Fig. 7). Do not allow the starter rope to snap back, but rewind slowly while keeping hold of the starter handle.



### TO STOP ENGINE

Release engine control lever and engine will stop automatically (See Fig. 8).



**IF ENGINE DOES NOT COME TO IMMEDIATE STOP UPON RELEASE OF ENGINE CONTROL LEVER, CONTACT AN AUTHORIZED SERVICE DEALER.**

**⚠ DANGER ⚠**  
Never run engine indoors or in enclosed, poorly ventilated areas. Engine exhaust contains carbon monoxide, an odorless and deadly gas.

Keep hands, feet, hair and loose clothing away from any moving parts on engine or mower.

**WARNING** - Temperature of muffler and nearby areas may exceed 150° degrees Fahrenheit. Avoid these areas.

# MAINTENANCE AND STORAGE INSTRUCTIONS

**⚠ WARNING: ⚠**  
Turn off engine, disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug before checking lawn mower.

- Check blade at frequent intervals for proper tightness.
- Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
- Keep engine free of grass, leaves or spilled fuel and oil.

### CLEANING

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

- It is important that your Lawn Mower be cleaned periodically to insure maximum performance.
- Clean underside of housing after every mowing. Use a scraper to remove grass.

### BLADE CARE

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

All Lawn Mower blades must be balanced to run smoothly. Your Lawn Mower blade has been checked at the factory. Resharpener is not recommended. Replace worn blade.

### REPLACING BLADE

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

Always use original equipment. Do not use substitutes.

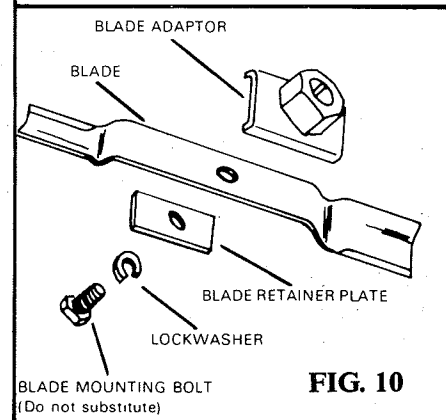
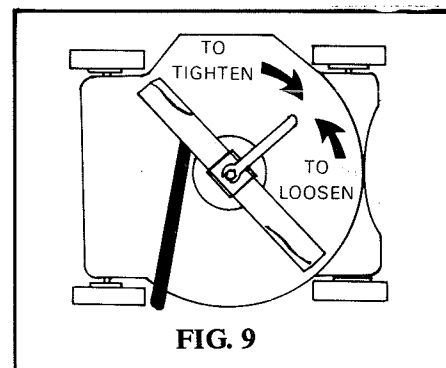
Turn Lawn Mower on its side with engine carburetor side up. Block blade with a piece of wood. (See Fig. 9)

Unscrew blade mounting bolt. A sharp blow on the wrench with a hammer may be necessary.

When remounting, blade parts must be assembled in the exact order as shown. (See Fig. 10)

**Important:** The cap screw used to secure blade to engine is Grade 5 heat treated. Other type of cap screws must not be used as replacements.

Sharp cutting edge of blade should be facing away from deck. Tighten blade mounting bolt securely (35 - 40 foot pounds).



**⚠ CAUTION ⚠**  
If blade is resharpened, be sure it is properly balanced. Failure to do so may result in engine vibration, loss of power, or possible engine damage.

### SPARK PLUG

It is advisable to replace the spark plug at the beginning of each season.

### ENGINE LUBRICATION

You must change the oil in the crankcase after the first two (2) hours of operation and after 25 hours of use thereafter.

**CHANGE THE OIL MORE FREQUENTLY IF USED IN SANDY OR DUSTY CONDITIONS.**

### TO DRAIN OIL

#### ⚠ WARNING: ⚠

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

1. Disconnect spark plug wire.
2. Drain the gas tank and then turn the unit on its side with the carburetor side up and remove oil drain plug (See Fig. 11).
3. Set the mower down and drain oil into a flat pan. **NOTE:** Oil will drain more freely when warm.

4. Replace oil drain plug, being sure to tighten firmly.
5. Refill crankcase with oil. Refer to **Step 2** of paragraph **Before Starting Engine in Operation** section of this manual.

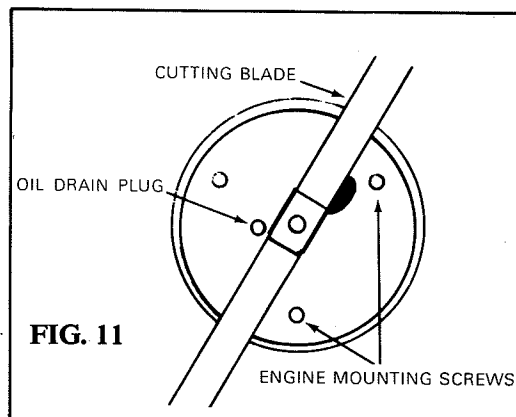


FIG. 11

### AIR CLEANER MAINTENANCE

Clean and re-oil air cleaner every 25 hours under normal conditions and re-oil more often under dusty conditions.

#### ⚠ CAUTION ⚠

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

### CONTROL CABLES

Check control cables before operating mower for signs of damage or wear. Replace when needed using only manufacturer's recommended replacement part.



**IF ENGINE DOES NOT COME TO IMMEDIATE STOP UPON RELEASE OF ENGINE CONTROL LEVER, CONTACT AN AUTHORIZED SERVICE DEALER.**

Store Lawn Mower in a cool, dry place when not in use. Do not cover Lawn Mower with solid plastic sheet. Trapping moisture around Lawn Mower will promote rust and corrosion.

For long term storage and at the end of each mowing season – prepare for storage as outlined below:

1. Drain gas tank and carburetor by allowing engine to run out of gasoline.

**NEVER store the Mower 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.**

## STORAGE

**NOTE:** Evaporating gasoline will leave gum deposits if not drained completely. These deposits will make fuel systems inoperative, resulting in hard, or non starting of engine when again used.

2. Do not save or store gasoline over winter. Using old gasoline which has deteriorated from storage will cause hard starting and affect engine performance.
3. Clean unit prior to storing for long periods of time. Refer to **CLEANING** on page 6.

4. This is a convenient time to change oil. Clean oil will prolong the useful life of your lawn mower.

5. During extended periods of storage the mower will occupy Less Space if Handle is Folded. Loosen the Two(2) Wing Nuts on each side of the Handlebar, and let the Top Section fold down to the rear. Squeeze inward on the Lower Handlebar and swing forward over Mower.

**Be careful not to "Pinch or Kink" the Control Cables.**

6. Before using the Mower again, Check all Lubrication Points, Fill Fuel Tank and Review Operating Instructions in the Operator's Manual and the Engine Manual.

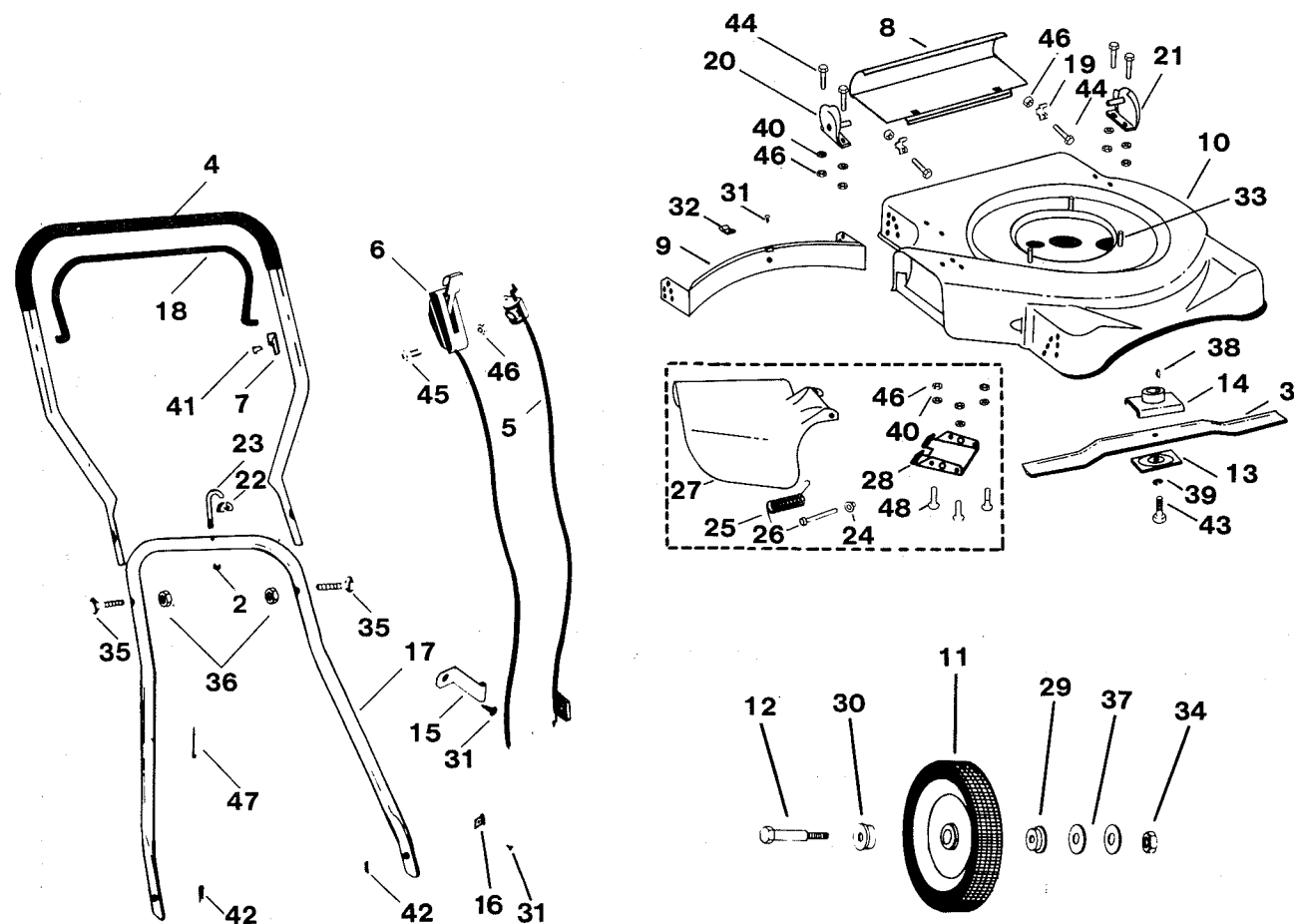


## TROUBLE SHOOTING CHART

PROBLEM	CORRECTION
<b>DOES NOT START</b>	<ol style="list-style-type: none"> <li>1. Out of gasoline.</li> <li>2. Did you use "stale gasoline" left over from last season? Use fresh gasoline from clean container.</li> <li>3. Is the spark plug wire attached to the spark plug?</li> <li>4. Spark plug may need to be replaced.</li> <li>5. Check for water in gasoline. Drain tank and refill with fresh fuel. Refer to Page 6. Engine Operation for more details.</li> <li>6. Observe that lower end of the Engine Control Cable is actuating the lever mounted on the Engine.</li> <li>7. Is Lawn Mower blade tight?</li> <li>8. Is engine control lever in run position?</li> </ol>
<b>APPARENT LOSS OF POWER – ENGINE STALLS</b>	<p><b>WARNING: DISCONNECT SPARK PLUG WIRE FROM SPARK PLUG, PLACE WIRE WHERE IT CANNOT COME IN CONTACT WITH PLUG.</b></p> <ol style="list-style-type: none"> <li>1. Did you use "stale gasoline" left over from last season? Use fresh gasoline from clean container.</li> <li>2. Check height of cut. You may be cutting too close. Set in high cut for heavy, tall and/or wet grass.</li> <li>3. Inspect air cleaner - clean if dirty. (Refer to Page 8 for details.)</li> <li>4. Check under side of housing for build up of dried grass.</li> </ol>
<b>EXCESSIVE VIBRATION</b>	<p>Stop the engine immediately. <b>DISCONNECT SPARK PLUG WIRE FROM SPARK PLUG, PLACE WIRE WHERE IT CANNOT COME IN CONTACT WITH PLUG</b> and check for damage or loose parts. If vibration persists have the Lawn Mower and engine checked by your nearest Simplicity dealer before continuing to use.</p>
<b>POOR GRASS DISCHARGE</b>	<p><b>WARNING: DISCONNECT SPARK PLUG WIRE FROM SPARK PLUG, PLACE WIRE WHERE IT CANNOT COME IN CONTACT WITH PLUG.</b></p> <ol style="list-style-type: none"> <li>1. Clean inside of blade housing.</li> <li>2. Check excessively worn or damaged blade.</li> <li>3. Check chute and clean if necessary.</li> </ol>

# Repair Parts List Model 1320 PS - Mfg. No. 1690904

Ref. No.	Part No.	No. Req.	Description	Ref. No.	Part No.	No. Req.	Description
2	1674291	1	Nut - .250 - 20 Keps	34	1674894	4	Nut - .375 - 16 Keps
3	1674814	1	Blade - 20"	35	1674895	2	Saddle Bolt - .312 - 18 x 1.250
4	1674815	1	Handle - Upper	36	1674896	2	Nut - .312 - 18 Keps
5	1674816	1	Zone Restart Cable	37	1674897	8	Guard Washer
6	1674817	1	Throttle Control	38	910224	1	Key, Woodruff - .156 x .625
7	1674818	1	Brkt. - Bail Stop	39	916965	1	Lockwasher - .375
8	1674819	1	Drag Guard - 20"	40	917377	7	Washer - .250
9	1674820	1	Rear Barid - 20"	41	917452	2	Screw - #10 - 32 x .50
10	1674821	1	Deck - 20"	42	918451	2	Pin, Cotter .125 x .750
11	1674824	4	Wheel Ass'y. - 7"	43	920352	1	Capscrew - Hex HD. .375 - 24 x 1.250
12	1674825	4	Shoulder Bolt	44	921958	6	Capscrew - Hex HD. .250 - 20 x .50
13	1674831	1	Retainer Plate	45	921963	1	Capscrew - Hex HD. .250 - 20 x 2.00
14	1674832	1	Blade Adaptor	46	923358	6	Nut, Lock .250 - 20
15	1674836	1	Throttle Cable Guide	47	932747	1	Plastic Cable Tie
16	1674837	1	Clamp - Throttle Control	48	927618	10	Bolt, Carriage - .250 - 20 x .50
17	1674842	1	Handle - Lower				
18	1674843	1	Bail				
19	1674845	2	Brkt. - Drag Pin Hinge	1667016			Decal - Danger (Side deck in front of discharge opening)
20	1674846	1	Brkt. - Handle - R.H.	1674822			Decal - 20" (on front Lip of deck)
21	1674847	1	Brkt. - Handle - L.H.	1674829			Decal - Simplicity (Top of deck)
22	1674848	2	Rope Guide	1674860			Decal - Be Careful (Rear top of deck)
23	1674849	1	J-Bolt	1674861			Decal - Caution (On Guard)
24	1674851	1	Push Nut	1674862			Decal - Caution (By Deflector)
25	1674852	1	Spring - Torsion	1674865			Decal - Start & Stop (on top of upper handle)
26	1674853	1	Pin				
27	1674855	1	Chute				
28	1674856	1	Hinge Bracket				
29	1674883	4	Bearing - Inner				
30	1674884	4	Bearing - Outer				
31	1674891	3	Screw - #10X .625 SEMS				
32	1674892	1	Nut - .187 Tinnerman				
33	1674893	3	Screw - .375 - 16 x 1.00 Ind. Hex HD.				





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