

# **Wood-Mizer G11 Gasoline Option**

**LT25/25L      rev. C5.00**

## **Operator's Manual**

*March 1997*

*Form #608*

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## SECTION 1 SAFETY & GENERAL INFORMATION



**IMPORTANT!** This manual is provided as a supplement to the equipment manufacturer's manuals. This manual takes into account the specific use of engines on the Wood-Mizer sawmill. Only safety, maintenance, and operating procedures that are not provided by the manufacturer are supplied in this manual. Refer to the manufacturer's manual before attempting to operate this equipment.



This symbol calls your attention to instructions concerning your personal safety. Be sure to observe and follow these instructions. This symbol accompanies a signal word. The word **DANGER** indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. **WARNING** suggests a potentially hazardous situation which, if not avoided, could result in death or serious injury. **CAUTION** refers to potentially hazardous situations which, if not avoided, may result in minor or moderate injury to persons or equipment. Read all safety instructions before operating this equipment and observe all safety warnings!

# 1 Safety & General Information

## Refueling

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### 1.1 Refueling



**WARNING!** Store gasoline away from sawdust and other flammable materials. Failure to do so may result in serious injury.

### 1.2 Engine Operation



**DANGER!** Always be sure the blade is disengaged and all persons are out of the path of the blade before starting the engine or motor. Failure to do so will result in serious injury.



**WARNING!** Do not for any reason adjust the engine drive belts or belt support bracket with the engine running. Doing so may result in serious injury.

**WARNING!** Remove the blade before performing any engine service. Failure to do so may result in serious injury.

**WARNING!** Always wear proper and necessary safety equipment when performing service functions. Proper safety equipment includes eye protection, breathing protection, hand protection and foot protection.

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



**IMPORTANT!** Always dispose of coolant, oil, fuel, oil filters and fuel filters in a responsible manner and in conformance with local, state and federal regulations.

## SECTION 2 OPERATION

### 2.1 Starting The Engine

#### Engine Start

1. Turn the start switch, located on top of the engine, to the on position.
2. Close the engine choke by moving the choke lever to the start position.
3. Pull the engine cord slowly until you feel resistance, then pull the cord quickly to start the engine. Repeat with the choke opened slightly if necessary.
4. When the engine starts, slowly open the choke all the way by moving the choke lever to the off position.

For more information, see the engine manufacturer's operation manual.



**DANGER!** Always be sure the blade is disengaged and all persons are out of the path of the blade before starting the engine or motor. Failure to do so will result in serious injury.

#### Engine Shutoff

Turn the start switch to the off position.



## SECTION 3 MAINTENANCE



**IMPORTANT!** This manual only provides information about additional procedures or procedures to be performed at different time intervals than found in the engine manufacturer's manuals. Refer to the manufacturer's manual for complete maintenance instructions.



**WARNING!** Remove the blade before performing any engine service. Failure to do so may result in serious injury.



**This symbol** identifies the interval (hours of operation) which each maintenance procedure should be performed. "AR" signifies maintenance procedures which should be performed as required.

### 3.1 Air Filter & Pre-Cleaner



**WARNING!** Always wear proper and necessary safety equipment when performing service functions. Proper safety equipment includes eye protection, breathing protection, hand protection and foot protection.



Service the pre-cleaner every four hours of operation. Service by gently shaking excess sawdust and debris from the foam piece.



Clean the air filter (air cleaner element) and pre-cleaner (element wrapper) every eight hours of operation. See the engine manual for further instructions.



Replace the air filter (cleaner) every 200 hours of operation.



Replace the pre-cleaner (element wrapper) every 2000 hours of operation.

### 3.2 Air Cooling System




Wash the engine or brush off sawdust and debris every 50 hours of operation. Clean the spark arresters, breather pipe, cylinder head and cylinder cooling fins. Remove any dust, dirt or oil. See engine manual for further instructions.


## **3** Maintenance

### *Miscellaneous Maintenance*

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### **3.3 Miscellaneous Maintenance**

 Inspect the spark plugs every 100 hour of operation. Remove any deposits and adjust gap if necessary. See engine manual for further information.

 Clean carbon and lead deposits from the cylinder head every 100 hours of operation. See engine manual for further details.



### 3.4 RPM Adjustments



**WARNING!** Remove the blade before performing any engine service. Failure to do so may result in serious injury.

200

Check the RPM with a tachometer after the first 20 hours of operation and every 200 hours thereafter. High-end RPM should be 3400-3600 RPM and low-end RPM should be 1800 ( $\pm 100$ ).

Before checking the RPM, make sure belt and brake strap tension are correct (See Saw-mill Maintenance).

1. Start the engine to measure the low-end RPM.
2. Make sure that the throttle linkage is not affecting the engine RPM while the clutch/brake handle is disengaged.

Refer to the engine manual to adjust the low-end RPM.

3. Engage the clutch handle to throttle the engine and measure the high-end RPM.

**See Figure 3-1. NOTE:** The engine should start to throttle as soon as you start moving the clutch handle down. If the engine dies instead, restart the engine and adjust the throttle linkage down as far as possible without affecting low-end RPM. With the engine idling and the clutch disengaged, loosen the mounting bolt and pull the throttle link down to a point just above where it affects the low-end RPM. Retighten the mounting bolt.

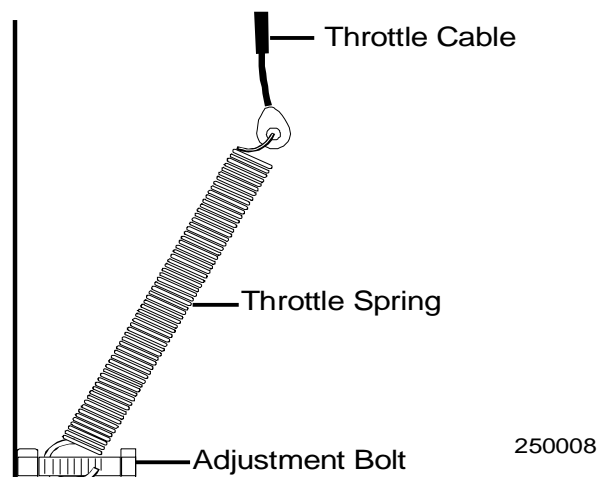


FIG. 3-1



## SECTION 4 REPLACEMENT PARTS

### 4.1 How To Use The Parts List

- Use the table of contents or the index to locate the assembly that contains the part you need.
- Go to the appropriate section and locate the part in the illustration.
- Use the number pointing to the part to locate the correct part number and description in the table.
- Parts shown indented under another part are included with that part.
- Parts marked with a diamond (◆) are only available in the assembly listed above the part.

See the sample table below. Sample Part #A01111 includes part F02222-2 and subassembly A03333. Subassembly A03333 includes part S04444-4 and subassembly K05555. The diamond (◆) indicates that S04444-4 is not available except in subassembly A03333. Subassembly K05555 includes parts M06666 and F07777-77. The diamond (◆) indicates M06666 is not available except in subassembly K05555.

<b>4.2 Sample Assembly</b>				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>SAMPLE ASSEMBLY, COMPLETE (INCLUDES ALL INDENTED PARTS BELOW)</b>	A01111	1	
1	Sample Part	F02222-22	1	
	Sample Subassembly (Includes All Indented Parts Below)	A03333	1	
2	Sample Part (◆ Indicates Part Is Only Available With A03333)	S04444-4	1	◆
	Sample Subassembly (Includes All Indented Parts Below)	K05555	1	
3	Sample Part (◆ Indicates Part Is Only Available With K05555)	M06666	2	◆
4	Sample Part	F07777-77	1	

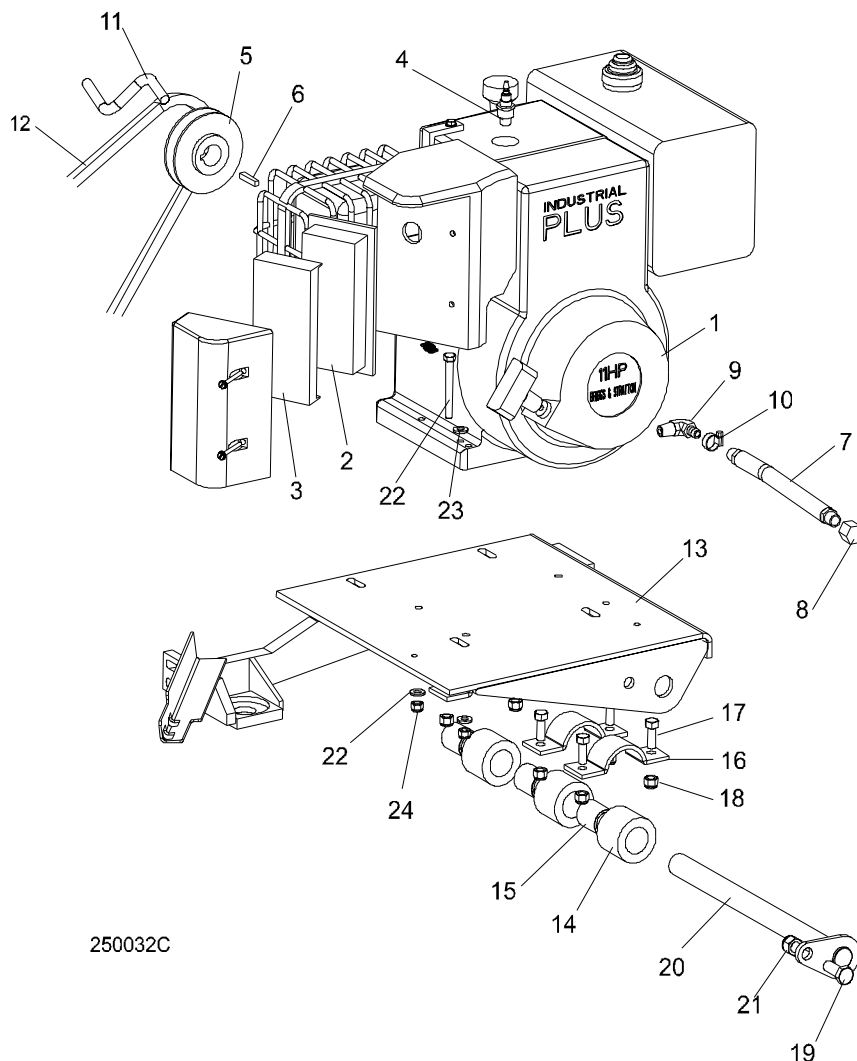
#### To Order Parts:

- From the continental U.S., call **1-800-448-7881** to order parts. Have your customer number, vehicle identification number, and part numbers ready when you call.
- From other international locations, contact the Wood-Mizer distributor in your area for parts.

# 4 Replacement Parts

## Engine Assembly

### 4.3 Engine Assembly



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	<b>ENGINE ASSEMBLY, 11HP BRIGGS &amp; STRATTON</b>	A12440 <sup>1</sup>	1	◆
1	Engine, 11HP Briggs & Stratton Model 256422 Type 0015-01	P12874	1	
2	Filter, Briggs 11HP Air #496077	P12882	1	
3	Pre-Cleaner, Briggs 11HP Air #492889	P12883	1	
4	Plug, Briggs 11HP Spark #802592 (Champion RJ19LM)	P09586	1	
	Filter, In-Line Fuel	P07570	1	
5	Pulley, Motor Drive BK36 x 1" Bore	P12441	1	
6	Key, 1/4" x 1/4" x 1 11/16"	S04124	1	
	Oil, 10W30 Type CD	L04869-1	.5 Gal.	

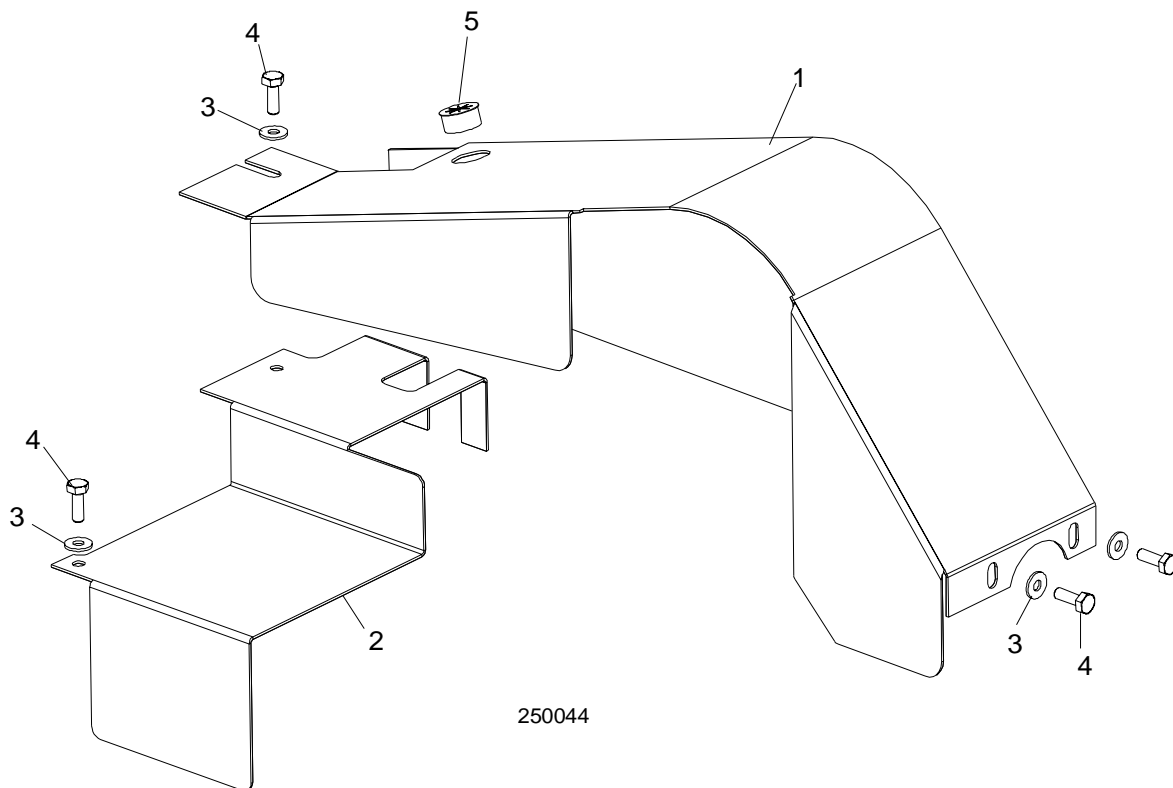
	Cable, Throttle	014567	1	
	Bracket, Throttle Cable, 11HP	014525	1	
	Spring, .5 x 3.75 x .08	P08538	1	
	Bolt, 1/4-20 x 3/4" Hex Head Full Thread	F05005-1	1	
	Bolt, 1/4-20 x 1 1/2" Hex Head Full Thread	F05005-31	2	
	Washer, 1/4" SAE Flat	F05011-11	2	
	Nut, 1/4-20 Self-Locking	F05010-9	5	
	Spring, Throttle Return, 11HP Briggs	P12888	1	
7	Hose, Oil Drain	P10082	1	
8	Cap, 3/8" Galvanize Pipe	P04332	1	
9	Fitting, #6-6 Male Elbow Hose Barb	P12708	1	
10	Clamp, 11/16" Hose	P12739	1	
	Support Kit, 11HP Briggs & Stratton Drive Belt	K12790	1	
11	Bracket, Drive Belt Support	S12749	2	
	Nut, 3/8-16 Jam	F05010-29	2	
12	<b>BELT, BX72 DRIVE</b>	P09555	1	
13	<b>PLATE, MOTOR MOUNT LT25</b>	014514	1	
	<b>BUSHING ASSEMBLY, MOTOR MOUNT PIVOT</b>	A04127	3	◆
14	Bushing, Rubber Motor Mount Pivot	P12164	1	
15	Spacer, Motor Mount Pivot	P05041	1	
16	<b>PLATE, MOTOR MOUNT PIVOT BUSHING</b>	014031	3	
17	<b>BOLT, 3/8-16 X 1" HEX HEAD</b>	F05007-7	6	
18	<b>NUT, 3/8-16 HEX NYLON LOCK</b>	F05010-10	6	
19	<b>BOLT, 1/2-13 X 1 1/4" HEX HEAD GRADE 5</b>	F05008-37	1	
20	<b>PIN WELDMENT, ENGINE MOUNT PIVOT</b>	014154	1	
21	<b>NUT, 1/2-13 NYLON LOCK</b>	F05010-8	1	
22	<b>BOLT, 5/16-18 X 2 3/4" HEX HEAD GRADE 5</b>	F05006-28	4	
23	<b>WASHER, 5/16" SAE FLAT</b>	F05011-17	8	
24	<b>NUT, 5/16-18 NYLON LOCK</b>	F05010-58	4	

<sup>1</sup> Made OBS 2/98. Not replaced.

# 4 Replacement Parts

## Engine Pulley Guards

### 4.4 Engine Pulley Guards



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	GUARD WELDMENT, G11 ENGINE PULLEY	015343	1
2	GUARD, G11 SIDE ENGINE PULLEY	015342	1
3	WASHER, 1/4" SAE FLAT	F05011-11	4
4	BOLT, 1/4-20 X 3/4" HEX HEAD FULL THREAD	F05005-1	4
5	GROMMET, 5/8" WIRE	P04137	1