

Wood-Mizer E11 Electric Option

Safety, Operation, Maintenance & Parts Manual

LT15

rev. B3.00



Safety is our #1 concern! Read and understand all safety information and instructions before operating, setting up or maintaining this machine.

September 1997

Form #830

CAUTION!

The electric motor which operates the saw blade is capable of developing horsepower up to two or more times the horsepower listed on the motor nameplate. While the mill design allows for using this increased horsepower intermittently while sawing, it is possible in very aggressive cutting to overload the motor. Aggressive sawing for long periods may cause excessive heat buildup. An internal thermal protection device has been installed to ensure no damage to the motor can result from this overloading. This device shuts off the motor when its internal operating temperature becomes too hot. The motor will operate normally again after it cools (approximately 20 to 30 minutes).

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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!

1.1 Motor 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! Hazardous voltage inside the disconnect box, starter box, and at the electric motor can cause shock, burns, or death. Disconnect power supply before servicing!

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.



IMPORTANT! Make sure the power cords are free to travel the length of the machine. An overhead boom system to keep the cords off of the floor is recommended.


SECTION 2 OPERATION

2.1 Starting The Motor




WARNING! Do not start the motor when the clutch/brake lever is in the engaged position. Always be sure the blade is disengaged and all persons are away from the blade before starting the motor.

SECTION 3 MAINTENANCE

 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 Drive Belt Adjustment

 Periodically check all belts for wear. Replace any damaged or worn belts as needed.

 **DANGER!** Do not for any reason adjust the drive belt support with the motor running. Always stop the motor before reaching or looking into the drive belt area.

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.

4.2 Sample Assembly				
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	SAMPLE ASSEMBLY, COMPLETE (INCLUDES ALL INDENTED PARTS BELOW)	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	

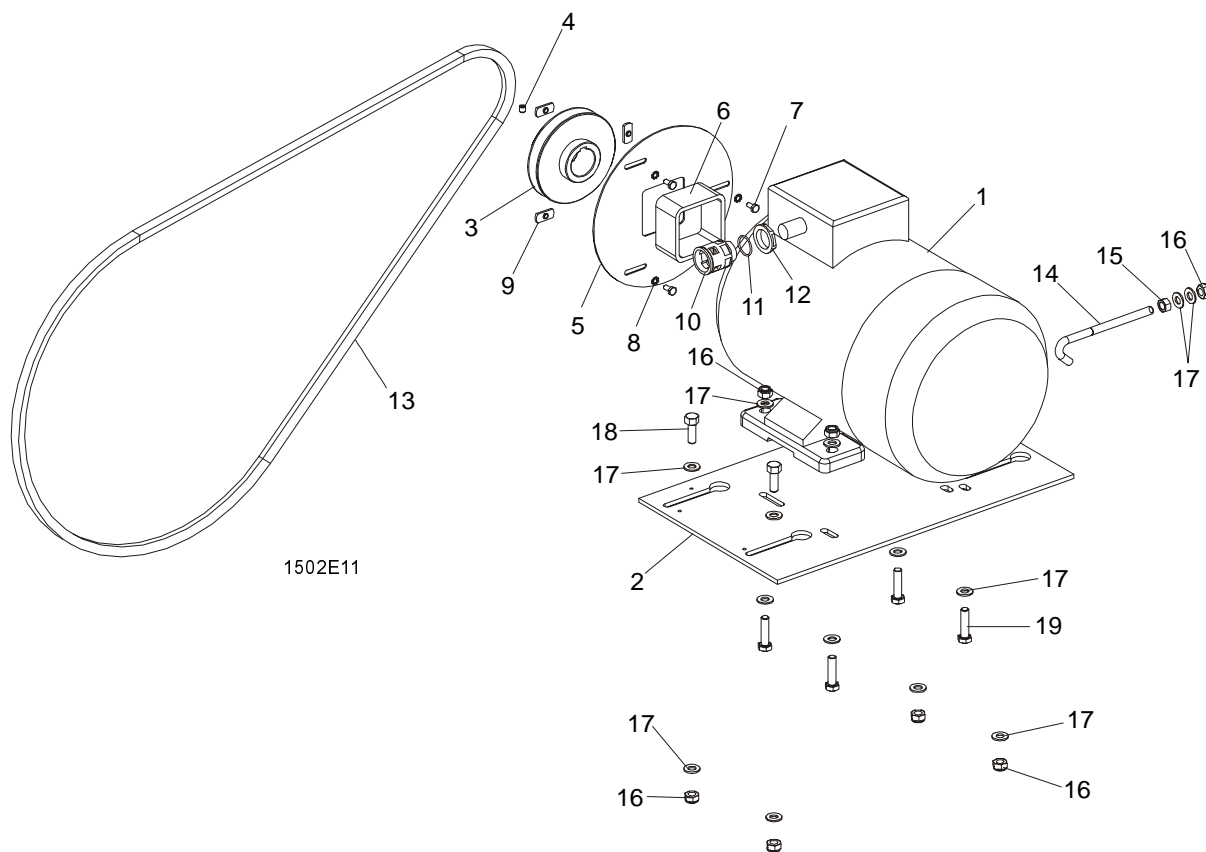
To Order Parts:

- From Europe call our European Headquarters and Manufacturing Facility in Kolo, Poland at **+48-63-2610233** or **+48-3912-1319**. 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

Motor Assembly

4.3 Motor Assembly



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	MOTOR ASSEMBLY, LT15	EP11	1	
1	Motor, 3-Phase 11KM/380V/50Hz	085482	1	
	Motor, 3-Phase 11KM/415V (England Only)	085482-1	1	
	Motor, 3-Phase 11KM/230V (Norway Only)	085482-2	1	
2	Plate, LT15 E11 Motor	086052-1	1	
3	Pulley, LT15 E11 Belt	086807-1	1	
4	Screw, M8 x 8-33H	F81014-1	1	
5	Guard, E11 Shaft	086786	1	
6	Tube, E11 Shaft Guard	086787	1	
7	Bolt, M6 x 12-8.8 Hex Head	F81001-7	3	
8	Washer, 6.4 External Star	F81053-2	3	

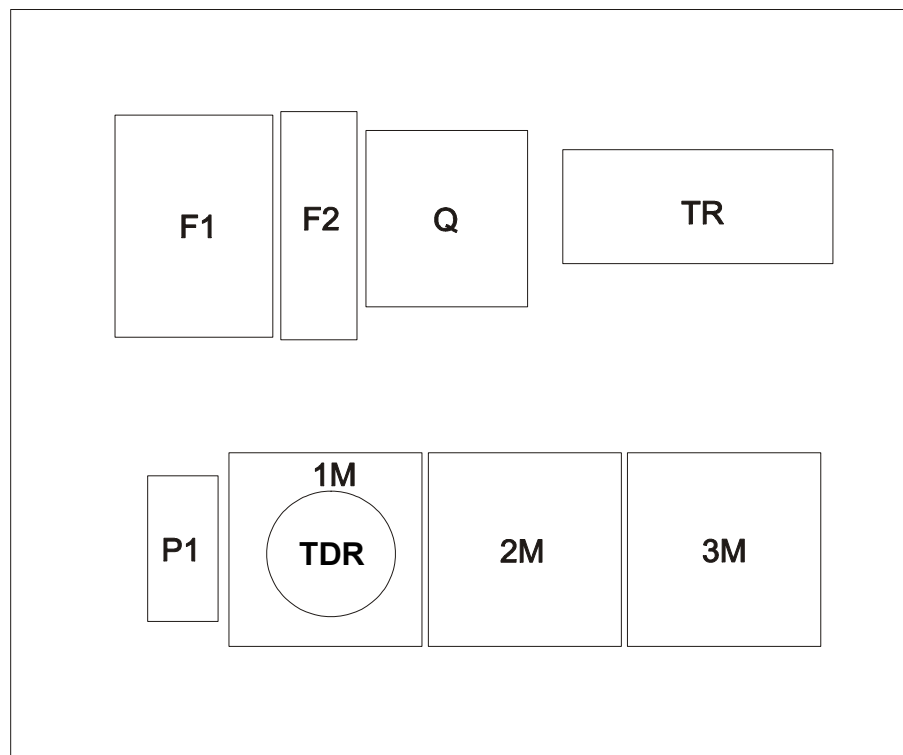
9	Nut, M6 x 1	F81031-3	3	
10	Connector, Click-GP21	086577	1	
11	Ring, 021 N°5200 5750	086578	1	
12	Ring, GMP-GL 21 N°53019050	086579	1	
13	Belt, BX81	014819	1	
14	Rod, Belt Tension Adjustment	086794-1	1	
15	Nut, M10-8-B	F81033-3	1	
16	Nut, M10-8-B Hex Nylon Lock	F81033-1	9	
17	Washer, 10.5 Flat	F81055-1	18	
18	Bolt, M10 x 30-10.9 Hex Head	F81003-25	4	
19	Bolt, M10 x 40-8.8 Hex Head	F81003-16	4	

5.2 Electrical Component List

ID	Mfg. Part No.	Manufacturer	Wood-Mizer Part #	Description
F1	GZ1 M21	SCHNEIDER	--	Switch, Motor On/Off
F2	C60N 24395	SCHNEIDER	--	Switch
Q	ABB OT32E3	ABB	--	Disconnecter
TR	TMA 63 240/380/415-24V	EFA	--	Transformer, 240/380/415-24V
P1	24VAC 40.51	FINDER	084313	Relay, Limit Switch
1M	LC1 D0901	SCHNEIDER	084305	Contactors
2M	LC1 D1801	SCHNEIDER	084306	Contactors
3M	LC1 D1810	SCHNEIDER	084307	Contactors
TDR	LR2DS2	SCHNEIDER	--	Relay, Time

TABLE 5-1

5.3 Component Layout Diagram, LT15 E11



15PL03

FIG. 5-1