



user manual

Instrukcja obsługi | Руководство пользователя
Manuel de l'Utilisateur | Betriebsanweisung
Bruksanvisning | Manual del Usuario
Betjeningsvejledning | Gebruikershandleiding
Käyttöohjeet | Manual de utilizare | Bruksanvisning
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Retain for future use
Zachować do przyszłego użytku
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Bewaren voor gebruik in de toekomst
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Conservar para futuras consultas
Behall för framtida användning
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Edger Multi-Rip

Safety, Operation, Maintenance & Parts Manual

| | |
|-------------------------|-------------------|
| EG250E15-EMR | rev. A1.00 |
| EG250E20-EMR | rev. A1.00 |
| EG300E20S-EMR | rev. B1.00 |
| (EE20S-EMR) | rev. B1.00 |
| EG300E25S-EMR | rev. B1.00 |
| (EE25S-EMR) | rev. B1.00 |
| EG300EC25U (USA) | rev. B1.00 |



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

June 2009

Form #907

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General Contact Information

From Europe call your local distributor or our European Headquarters and Manufacturing Facility in Koło, Nagórna 114 St, Poland at **+48-63-2626000**. From the continental U.S., call our U.S. Headquarter 8180 West 10th St. Indianapolis, IN 46214, toll-free at **1-800-525-8100**. Ask to speak with a Customer Service Representative. Please have your machine identification number and your customer number ready when you call. The Service Representative can help you with questions about the operation and maintenance of your machine. He also can schedule you for a service call.

Office Hours:

| Country | Monday - Friday | Saturday | Sunday |
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| Poland | 7 a.m.- 3 p.m. | Closed | Closed |
| US | 8 a.m.- 5 p.m. | 8 a.m.- 12 p.m | Closed |

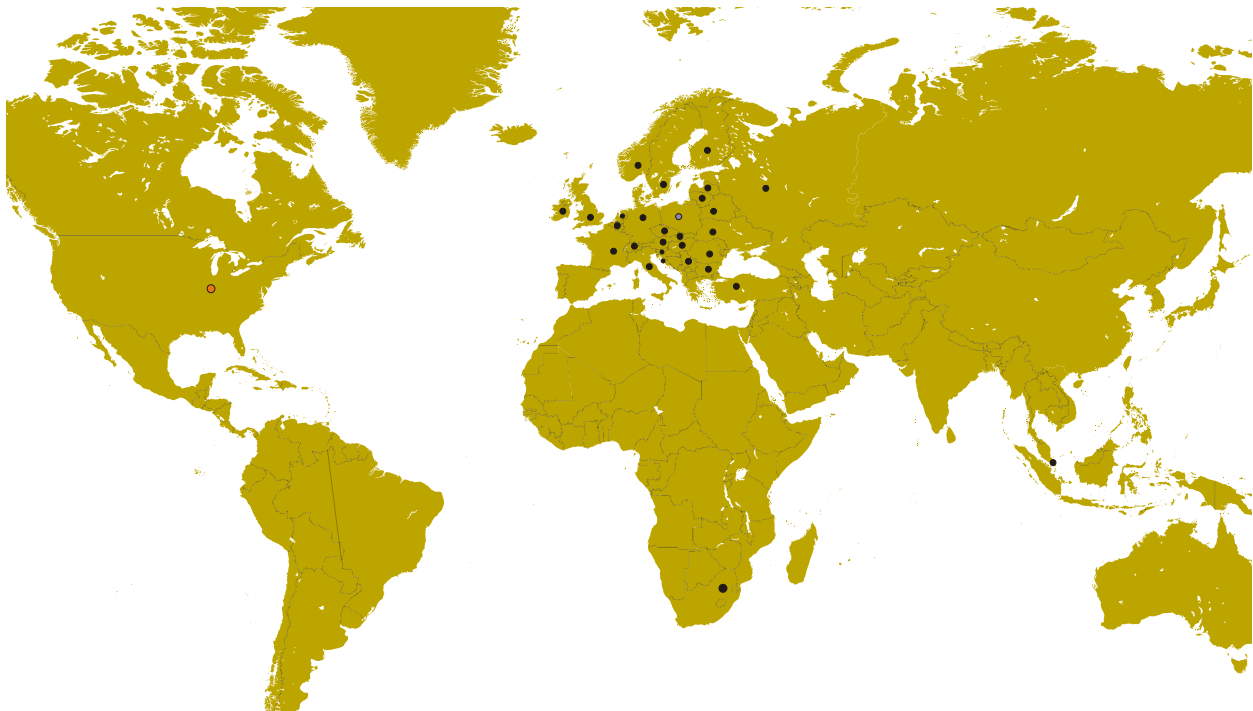
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Wood-Mizer will accept these methods of payment:

- Visa, Mastercard, or Discover
- COD
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SECTION 1 SERVICING THE EDGER

1.1 General Information

This documentation includes information on preparing the edger for operation and operating, servicing and repairing the machine.

The EG250E15-EMR/EG300E20S-EMR (EG250E20-EMR/EG300E25S-EMR) Edger is designed for sawing wood only (see the "Specifications" section in this manual for maximum wood dimensions). The machine must not be used for other purposes, such as cutting ice, metal or other materials.

Using the machine correctly you will achieve high degree of accuracy and rate of efficiency.

The edger should be operated only by an adult (over 18 year old) persons who have read and understood the entire operator's manual. The edger is not intended for use by or around children.

The machine is built to be durable and easy to operate and maintain.

1.2 Customer and Edger Identification

Each Wood-Mizer edger has a serial number. In addition, when you pick up your edger, you will receive a customer number. These three numbers will help expedite our service to you. Please locate them now and write them below so you have quick, easy access to them.

See Figure 1-1. The figure below shows an exemplary identification plate of the EG300 Edger.

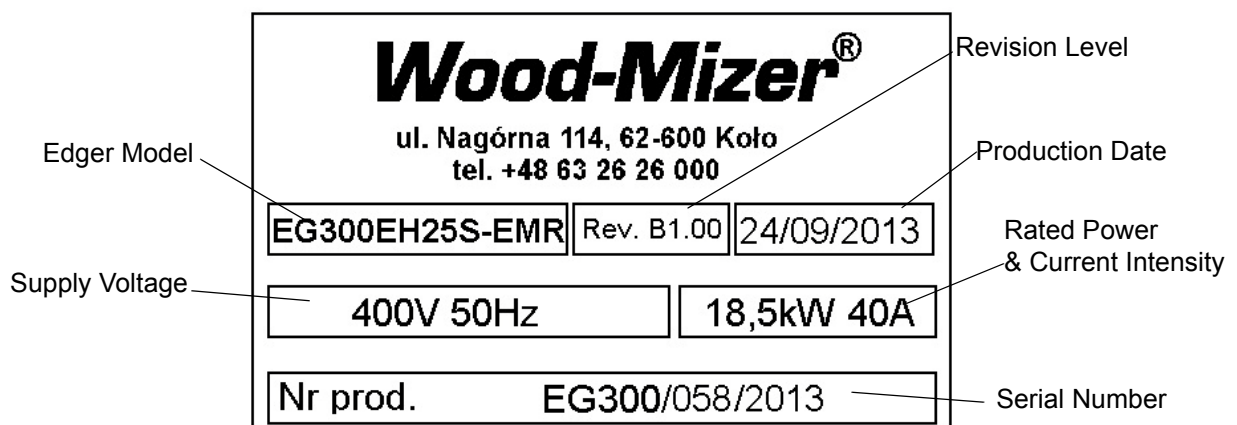


FIG. 1-1

1 Servicing The Edger

Customer and Edger Identification

See Figure 1-2. See the following figures for serial number locations.

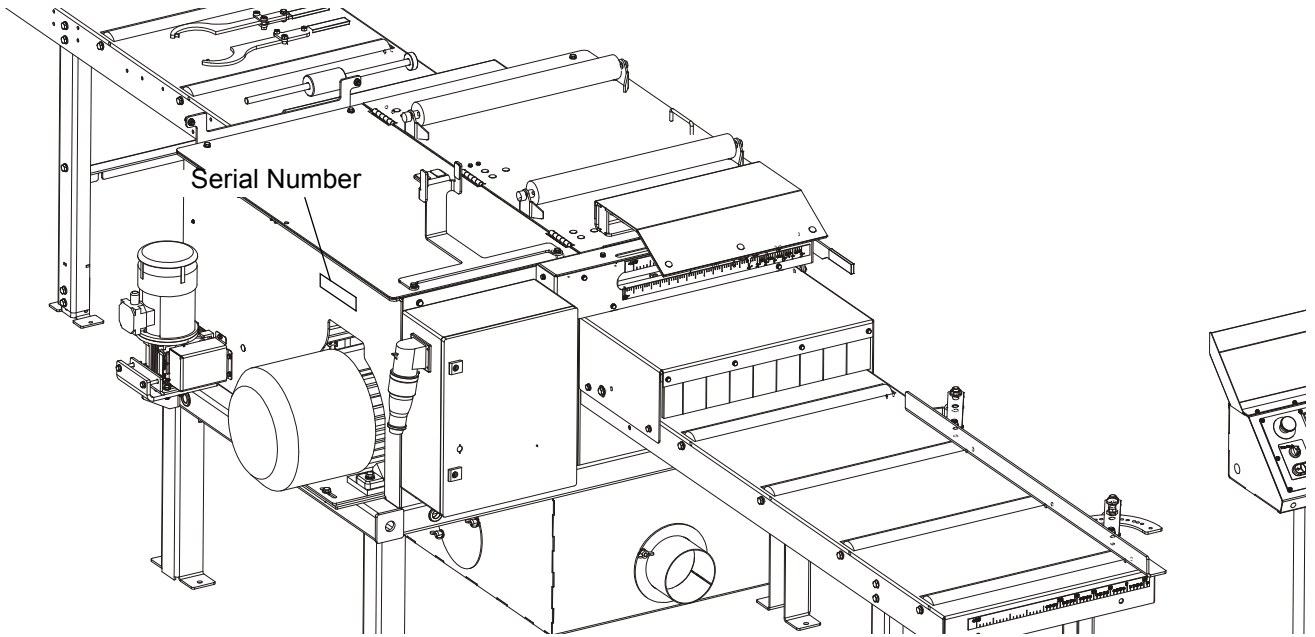


FIG. 1-2

1.3 Edger Components

See Figure 1-3. The major components of the EG300 Edger are shown below.

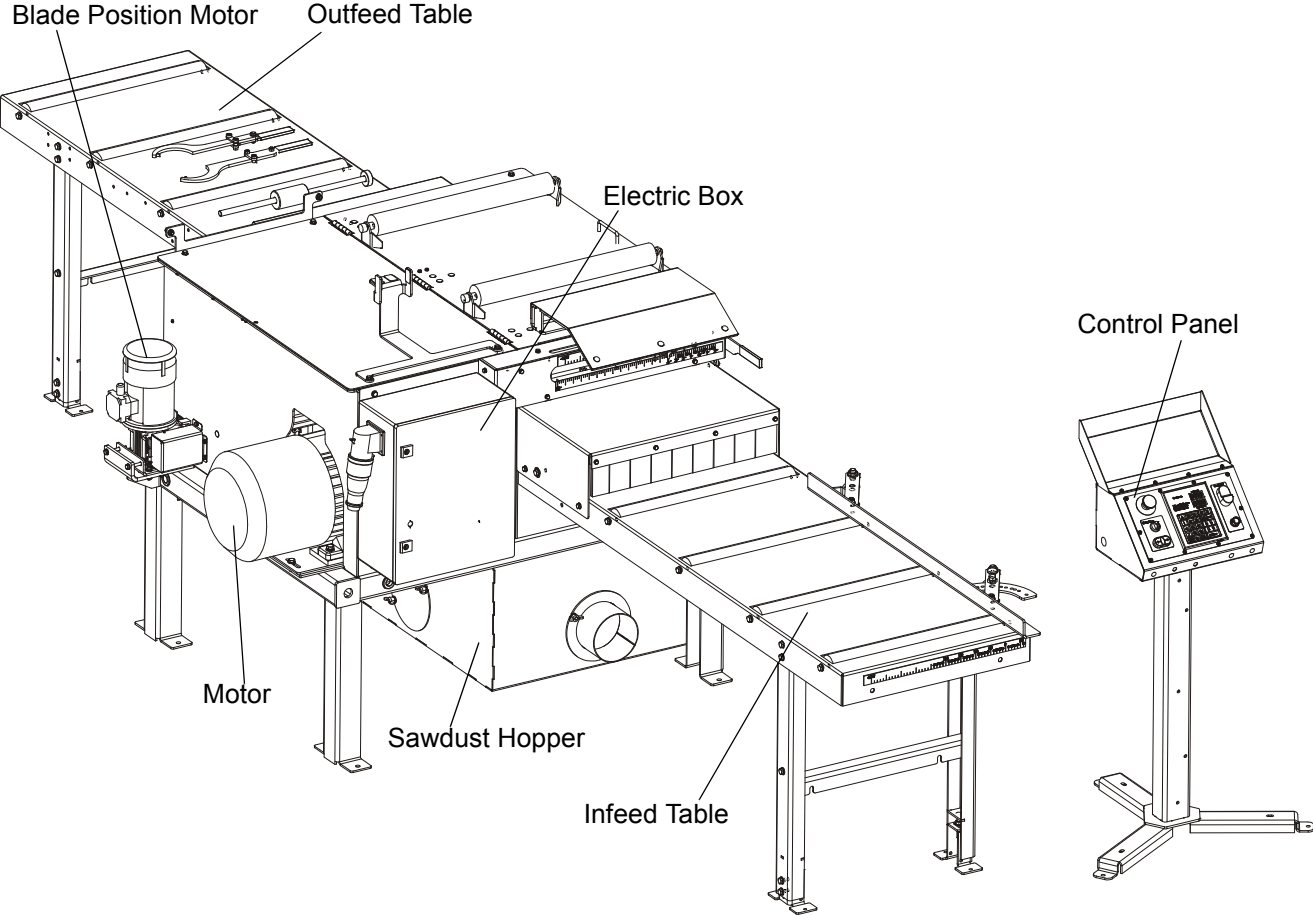


FIG. 1-3 EG300

1 Servicing The Edger

Edger Components

See Figure 1-4. The major components of the EG250 Edger are shown below.

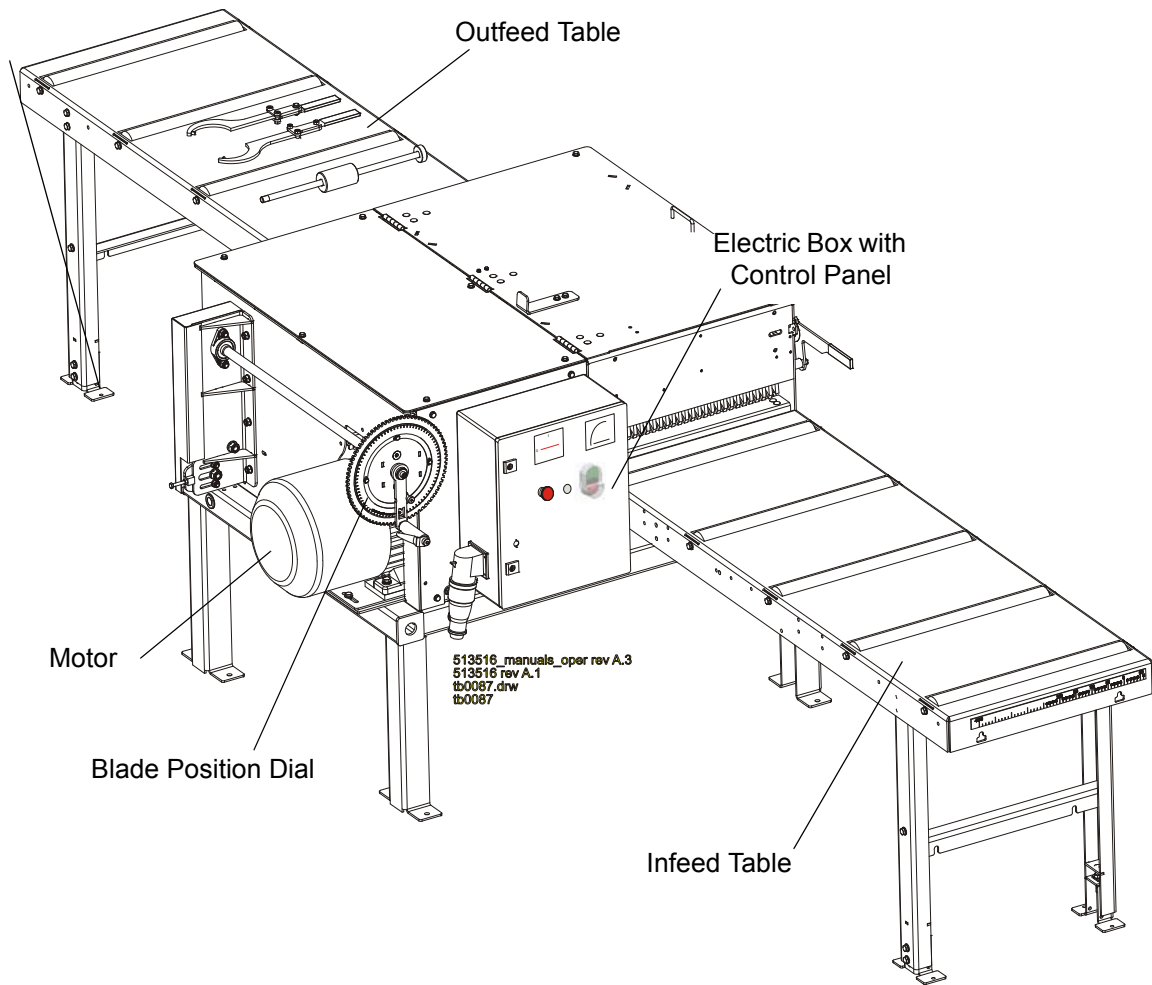


FIG. 1-4 EG250

SECTION 2 SAFETY

2.1 Safety Symbols

The following symbols and signal words call your attention to instructions concerning your personal safety. Be sure to observe and follow these instructions.



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 or damage to equipment.



IMPORTANT! indicates vital information.

NOTE: gives helpful information.



Warning stripes are placed on areas where a single decal would be insufficient. To avoid serious injury, keep out of the path of any equipment marked with warning stripes.

2.2 Safety Instructions

NOTE: ONLY safety instructions regarding personal injury are listed in this section. Caution statements regarding only equipment damage appear where applicable throughout the manual.

Observe Safety Instructions



IMPORTANT! Read the entire Operator's Manual before operating the Edger. Take notice of all safety warnings throughout this manual and those posted on the machine. Keep this manual with this machine at all times, regardless of ownership.

Also read any additional manufacturer's manuals and observe any applicable safety instructions including dangers, warnings, and cautions.

Only persons who have read and understood the entire operator's manual should operate the Egder. The Egder is not intended for use by or around children.

IMPORTANT! It is always the owner's responsibility to comply with all applicable federal, state and local laws, rules and regulations regarding the ownership and operation of your Wood-Mizer Egder. All Wood-Mizer owners are encouraged to become thoroughly familiar with these applicable laws and comply with them fully while using the Egder.

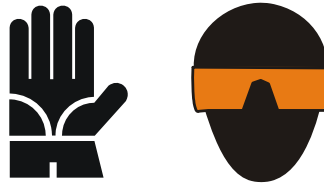


Wear Safety Clothing



WARNING! Secure all loose clothing and jewelry before operating the machine. Failure to do so may result in serious injury or death.

WARNING! Always wear gloves and eye protection when handling bandsaw blades. Changing blades is safest when done by one person! Keep all other persons away from area when coiling, carrying or changing a blade. Failure to do so may result in serious injury.



WARNING! Always wear ear, respiration and foot protection when operating or servicing the Egder.



Keep Egder And Area Around Clean



DANGER! Maintain a clean and clear path for all necessary movement around the Egder and lumber stacking areas. Failure to do so will result in serious injury.

Dispose Of Sawing By-Products Properly



IMPORTANT! Always properly dispose of all sawing by-products, including sawdust and other debris.

Check Edger Before Operation



DANGER! Make sure all guards and covers are in place and secured before operating the Egder. Failure to do so may result in serious injury.



WARNING! Always shut off the motor to stop the blade whenever the Edger is not in use. Failure to do so may result in serious injury.

WARNING! Do not for any reason adjust the motor drive belts with the motor running. Doing so may result in serious injury.

WARNING! Always ensure that there is a sharp point on the anti-kickback fingers before each use of the Edger.

Be sure anti-kickback fingers are free from obstruction and are in a downward position with lever released. Failure to do so may result in serious injury.

Keep Persons Away



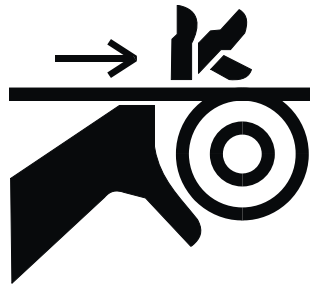
DANGER! Keep all persons out of the path of moving equipment and boards when operating the Edger. Failure to do so will result in serious injury.

Keep Hands Away

DANGER! Motor components can become very hot during operation. Avoid contact with any part of a hot motor. Contact with hot motor components can cause serious burns. Therefore, never touch or perform service functions on a hot motor. Allow the motor to cool sufficiently before beginning any service function.

DANGER! Moving Parts Can Crush and Cut. Keep hands clear. Make sure all guards and covers are in place and secured before operating or towing. Failure to do so may result in serious injury.

DANGER! Always be aware of and take proper protective measures against rotating shafts, pulleys, fans, etc. Always stay a safe distance from rotating members and make sure that loose clothing or long hair does not engage rotating members resulting in possible injury.



WARNING! Coastdown Required. Always shut off the motor and allow all moving parts to come to a complete stop before removing any guards or covers. Do NOT operate with any guards or covers removed.

WARNING! Kickback Hazard. Stay clear of area during operation. Follow all anti-kickback service and safety rules. Failure to do so may result in serious injury.



DANGER! Before changing the blades or performing any service to the machine, disconnect the power cord from the electric box.

IMPORTANT! The blade housing and drive assembly covers are equipped with safety key switches. As soon as you open the cover, the motor will get turned off and all moving parts will stop spinning. The safety switches should always be in proper working condition.

IMPORTANT! The cutting width system is equipped with a safety switch. When you feed a board into edger, the cutting width setting is blocked.

Use Proper Maintenance Procedures



DANGER! Make sure all electrical installation, service and/or maintenance work is performed by a qualified electrician and is in accordance with applicable electrical codes.

DANGER! Hazardous voltage inside the electric boxes and at the motor can cause shock, burns, or death. Disconnect and lock out power supply before servicing! Keep all electrical component covers closed and securely fastened during machine operation.



WARNING! Consider all electrical circuits energized and dangerous.

WARNING! Disconnect and lock out power supply before servicing! Failure to do so may result in serious injury.

WARNING! Never assume or take the word of another person that the power is off; check it out and lock it out.

WARNING! Do not wear rings, watches, or other jewelry while working around an open electrical circuit.

DANGER! The operator must not for any reason perform any laser-maintenance or repair work.



IMPORTANT! Edger is equipped with two emergency stop buttons - one at the front, the other at the rear of the machine. They are used to immediately stop the motor and/or Edger operation in hazardous situations. The emergency stop buttons should always be in proper condition.

Keep Safety Labels In Good Condition



IMPORTANT! Always be sure that all safety decals are clean and readable. Replace all damaged safety decals to prevent personal injury or damage to the equipment. Contact your local distributor, or call your Customer Service Representative to order more decals.

IMPORTANT! If replacing a component which has a safety decal affixed to it, make sure the new component also has the safety decal affixed.

Fire-Fighting

CAUTION! The edger's work-stand should be equipped with a 4 kg or bigger dry powder extinguisher.

Safety Labels Description

See Table 2-1. See table below for safety labels description.

TABELA 2-1

| Decals View | Decal No. | Description |
|-------------|-----------|--|
| | 099220 | Close guards prior to operating the machine |
| | 096316 | Electric box opening is possible with the switch in "0" position only. |

TABELA 2-1

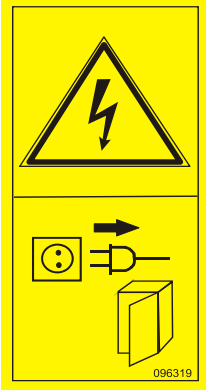




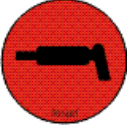


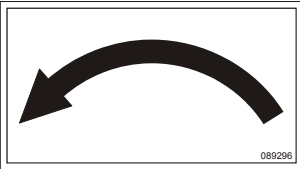
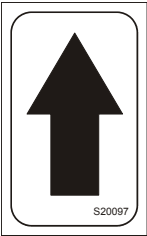
| | | |
|---|----------------|--|
|  | <p>096319</p> | <p>Always disconnect the power cord before opening the electric box.</p> |
|  | <p>099540</p> | <p>CAUTION! Gear train - Keep safe distance!</p> |
|  | <p>S12004G</p> | <p>Always wear eye protection equipment when operating this machine.</p> |
|  | <p>S12005G</p> | <p>Always wear ear protection equipment when operating this machine.</p> |

TABELA 2-1

| | | |
|---|--------|--|
|  | 501465 | Always wear safety boots when operating this machine. |
|  | 501467 | Lubrication point |
|  | 099504 | Visible and/or invisible laser radiation. Avoid eye or skin exposure to direct or scattered radiation. |
|  | P85070 | CE certified machine |
|  | 089296 | Rotation direction |
|  | S20097 | Motor rotation direction |

SECTION 3 OPERATION

3.1 Pre-Operation Check

Prior to operating the Edger; always perform these basic checks:

1. Make sure the Edger is level. Secure the legs to the surface. Cement pads or foundations must be built. Legs must be fastened to the foundation using 16mm anchored bolts.



CAUTION! Always be sure the machine is level prior to operating. Failure to do so can and will affect machine operation and wear life.

2. Make sure the tables are level with the rest of the Edger. Legs must be fastened to the foundation using 16mm anchored bolts.

3. Make sure the motor drive belt is tensioned properly.



WARNING! Do not for any reason adjust the motor drive belts with the motor running. Doing so may result in serious injury.

4. Be sure the anti-kickback fingers are in proper working condition.



WARNING! Always ensure that there is a sharp point on the anti-kickback fingers before each use of the Edger.

Be sure anti-kickback fingers are free from obstruction and are in a downward position with lever released. Failure to do so may result in serious injury.

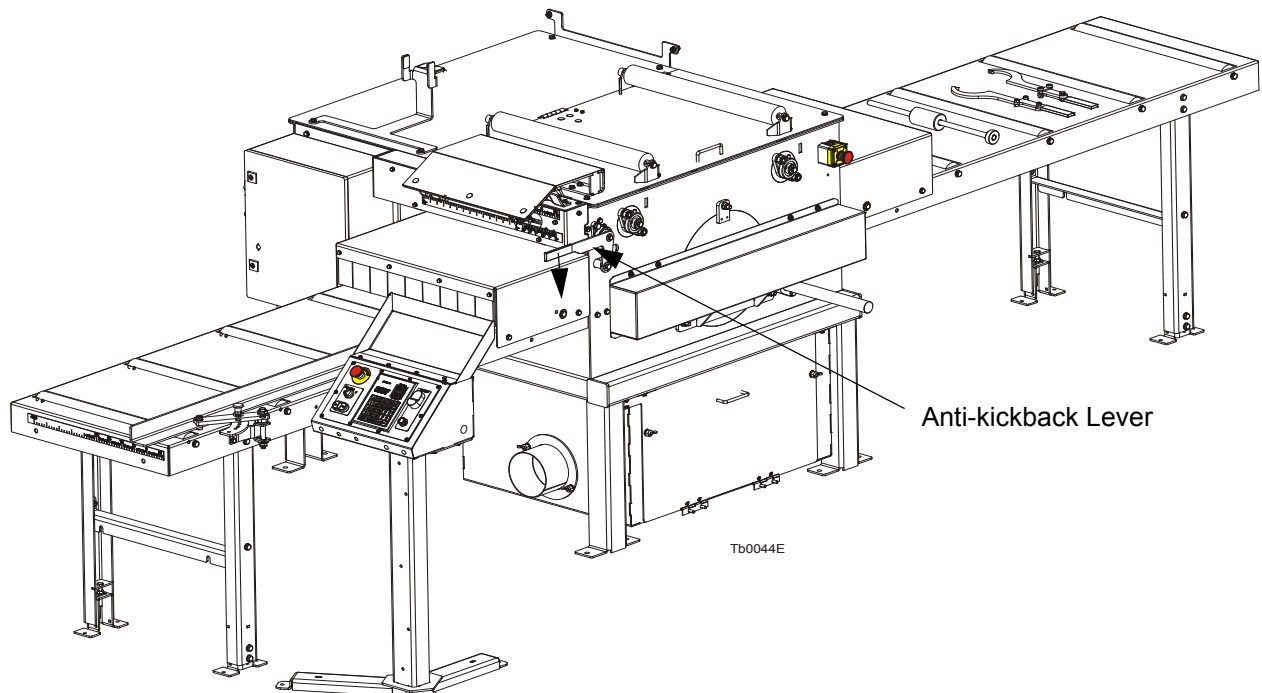


FIG. 3-1

5. Be sure all guards and covers are in place and secured.



DANGER! Make sure all guards and covers are in place and secured before operating or towing the Edger. Failure to do so may result in serious injury.

6. Also be aware that the blades are spinning whenever the motor is ON. You should always turn off the motor to stop the blade whenever the Edger is not in use and ensure that all parts have stopped moving before removing any covers or guards.



WARNING! Coastdown Required. Always shut off the motor and allow all moving parts to come to a complete stop before removing any guards or covers. Do NOT operate with any guards or covers removed.

WARNING! Always shut off the motor to stop the blade whenever the Edger is not in use. Failure to do so may result in serious injury.



IMPORTANT! If at any time you need to immediately stop the motor and/or Edger operation, press the Emergency Stop button located at

the front or at the rear of the Edger.

Emergency Stop
Twist to release

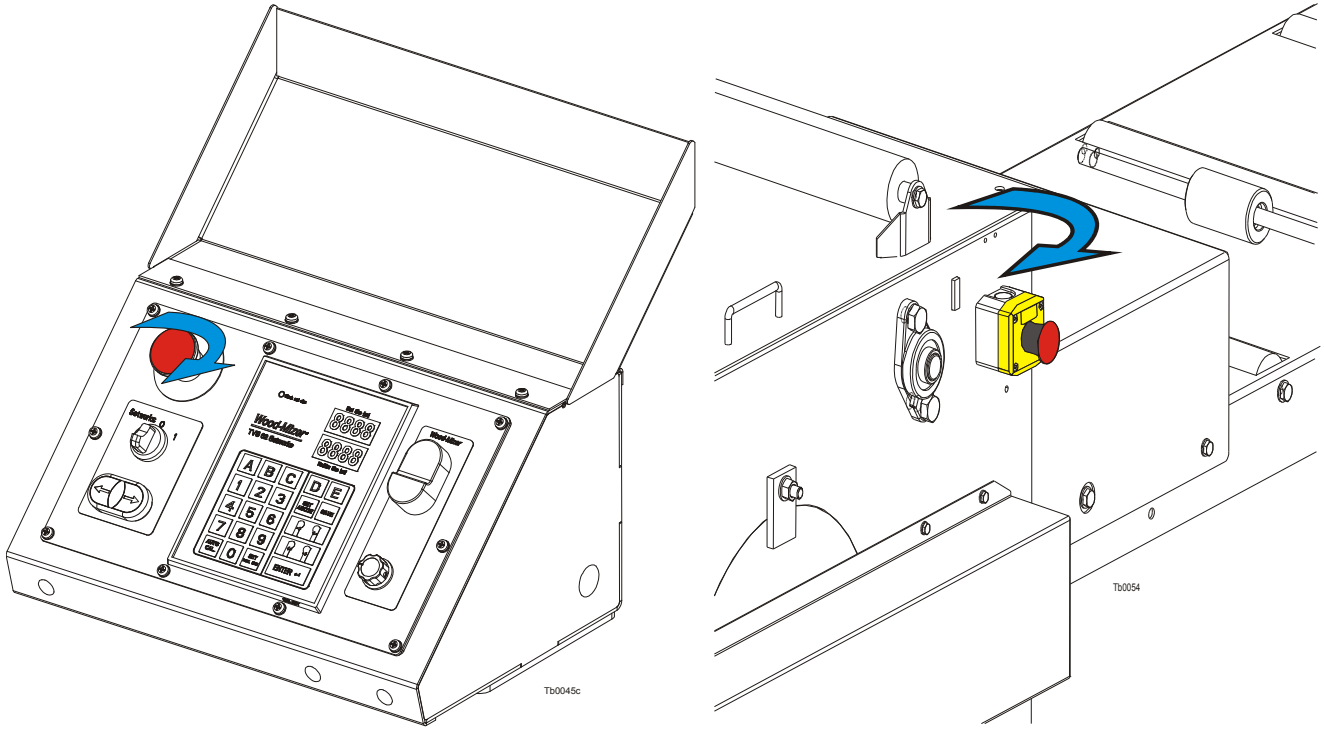


FIG. 3-2 EG300 E-STOP LOCATION (CE ONLY)

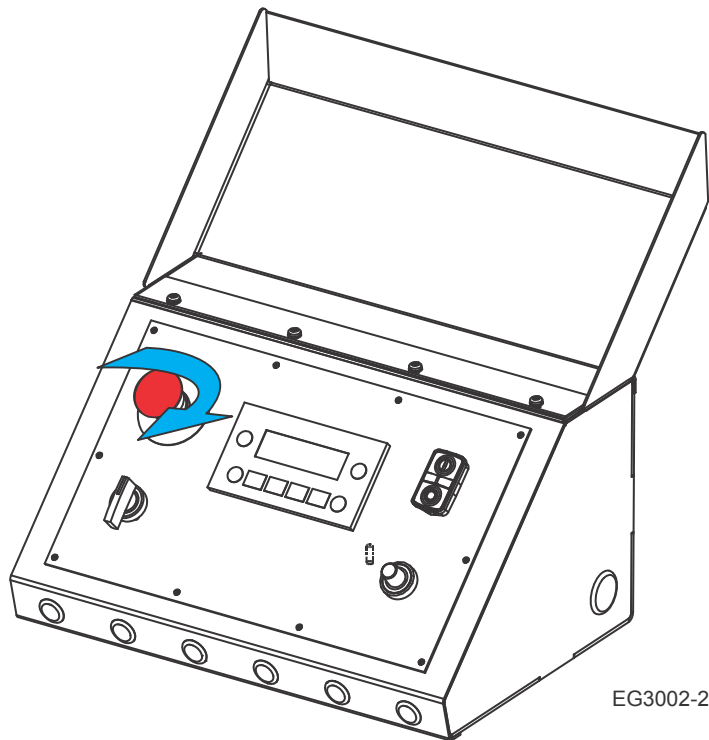


FIG. 3-3 EG300 E-STOP LOCATION (U.S. ONLY)

3 OPERATION

Pre-Operation Check

Emergency Stop
Twist to release

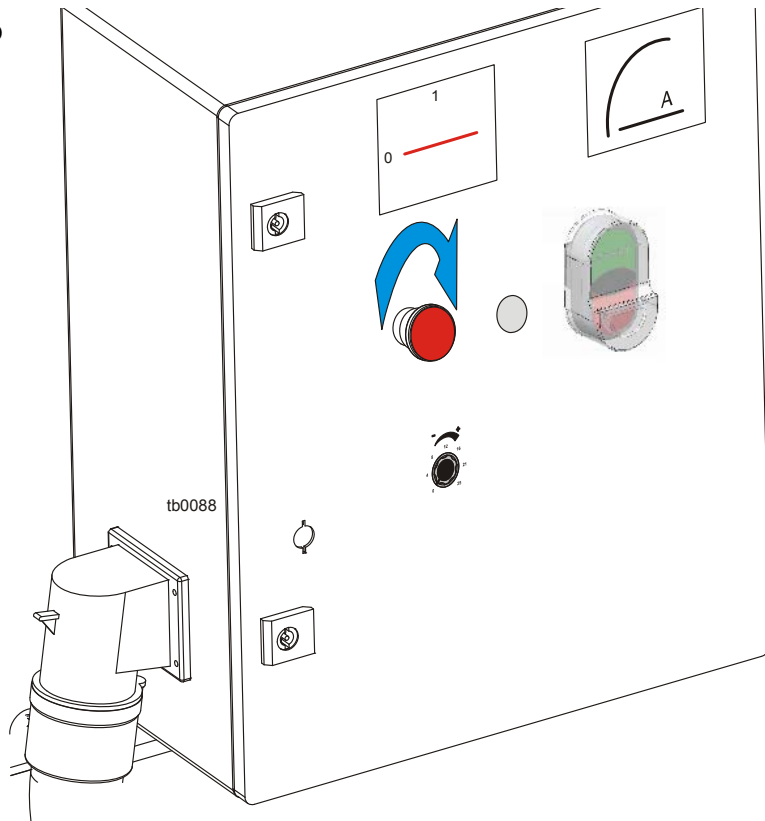


FIG. 3-4 EG250 E-STOP LOCATION (CE ONLY)

3.2 Control Overview

Control Panel, EG300

See **Figure 3-5**. The control panel includes: START-STOP switch, blade distance automatic controller, feed rate knob, automatic controller ON/OFF (CE Only) switch, additional switches for

3

OPERATION

Control Panel, EG300

setting blades distance and emergency stop button.

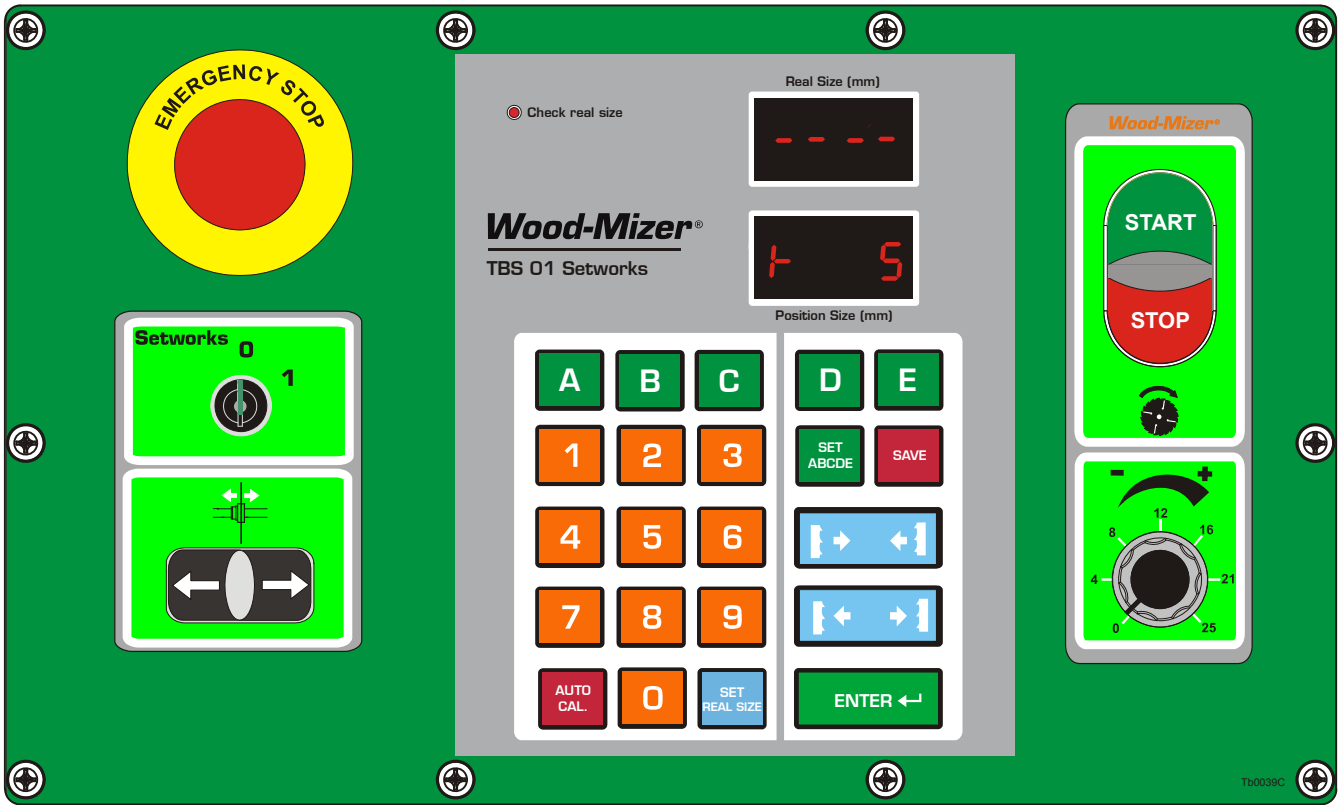


FIG. 3-5 EG300 CONTROL PANEL COMPONENTS (CE ONLY)

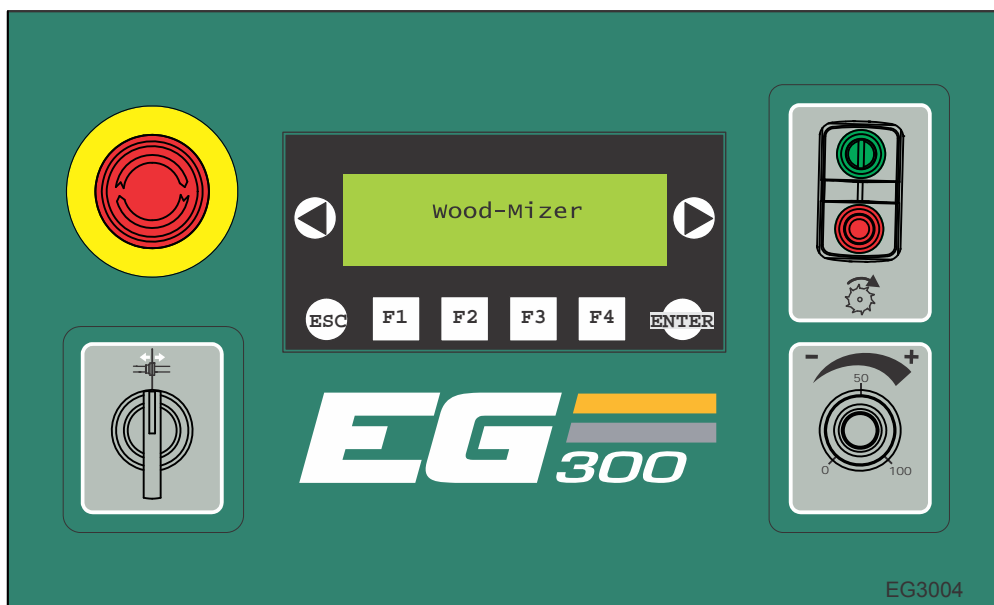


FIG. 3-5 EG300 CONTROL PANEL COMPONENTS (U.S ONLY)

Fig. 3-5

1. Blade Drive



To start the blade motor press the START button. To stop the blade motor, press the STOP button.

2. Feed Roller Speed Adjustment



The feed roller speed switch controls the speed at which the feed roller moves. Turn the switch right to increase the speed, turn left to reduce the speed.

3. Edger (CE Only) Networks Controller

Allows to set blade position automatically. *See SECTION 4 NETWORKS OPERATION (Optional Equipment) (U.S. Only)*

4. Emergency Stop

Push the emergency stop button to stop the blade and the track feed motors. Turn the emergency stop clockwise to release the stop. The machine will not restart until the emergency stop is released.

Control Panel, EG250

See Figure 3-6. The control panel components are listed below.

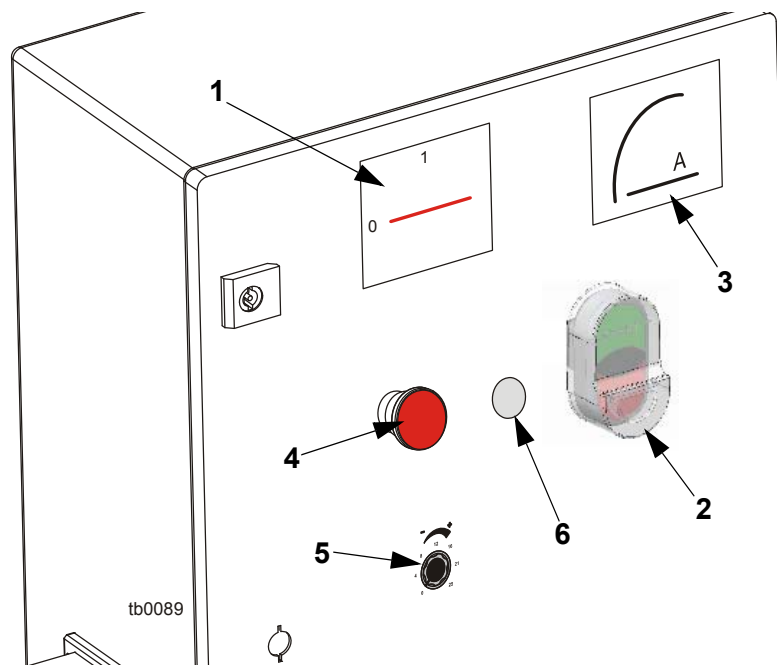


FIG. 3-6 EG250 CONTROL PANEL COMPONENTS

1. Main Disconnect Switch

Disconnects power from all electrical circuits of the machine

2. Motors START/STOP Button

To start the blades and feed motors press the START button. To stop the motors, press the STOP button.

3. Ammeter

Indicates current power consumption of all machine motors.

4. Emergency Stop

Push the emergency stop button to stop all motors. Turn the emergency stop clockwise to release the stop. The machine will not restart until the emergency stop is released.

5. Feed Roller Speed Adjustment



The feed roller speed switch controls the speed at which the feed roller moves. Turn the switch right to increase the speed, turn left to reduce the speed. (Optional Equipment).

6. Power ON Control Light

Indicates the power supply.

3.3 Edger Setup



IMPORTANT! Before starting to use the Edger you have to meet the following conditions:

- Set up the machine on firm and level ground
- The machine must be operated with the sawdust exhaust system
- The edger must not be operated outdoors when it is raining/snowing and in case of rain/snow the edger must be stored under a roof or indoors.
- The machine can be operated in temperature range from -15°C to 40°C (5°F to 104°F) only
- Light intensity at operators position must be 300lx^1

¹ Light source can not cause the stroboscopic effect.

■The machine operator's (two persons) position is shown below

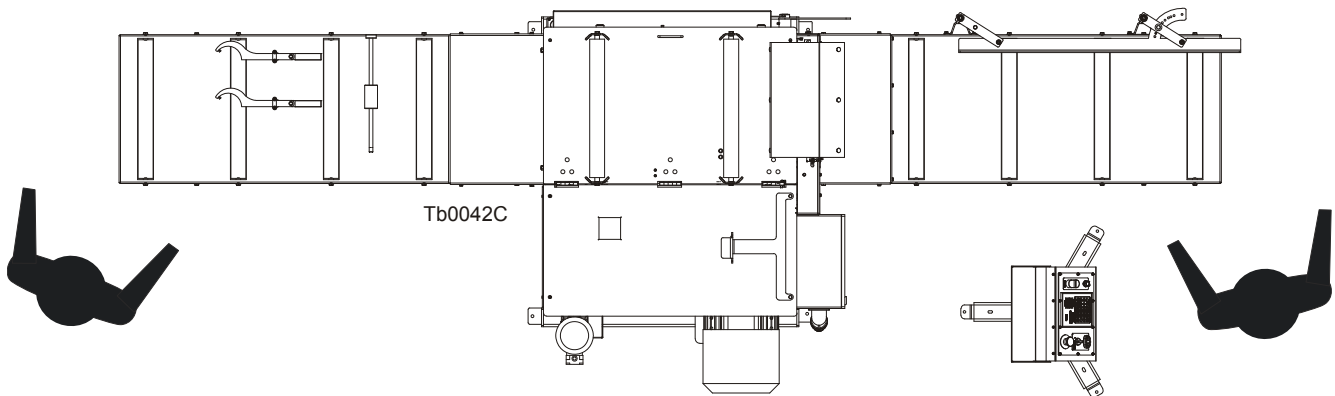


FIG. 3-7 EG300

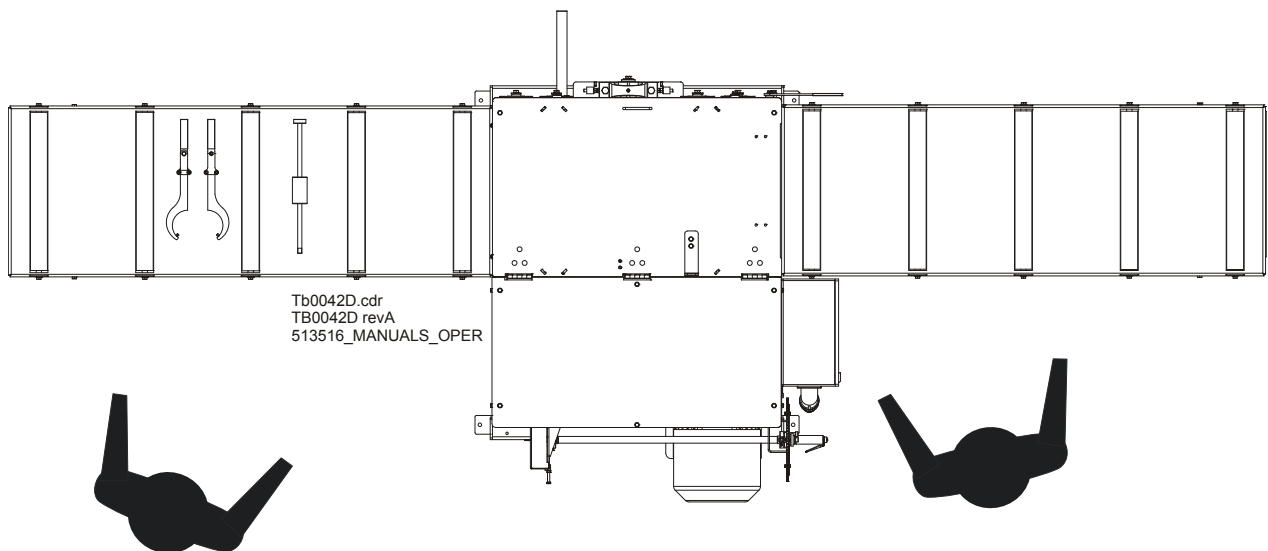


FIG. 3-8 EG250

■Have a qualified electrician install the power supply (according to EN 60204 Standard).
The power supply must meet the specifications given in the table below.

| 3-Phase Volts | Fuse Disconnect | Suggested Wire Size |
|---------------|-----------------|---|
| 400 VAC | 40 Amps | 11 AWG / 4 mm ² , up to 15 m/ 49 ft long |

TABLE 3-1



IMPORTANT! It is recommended that the electrical system be equipped with a 30mA Ground Fault Interrupter.

IMPORTANT! When starting the machine for the first time, check that blade rotation direction is as indicated by the arrow located on the blades covers. If the rotation direction is incorrect, invert the phases in the phase inverter located in the power socket (electric box). Setting the phases in the phase inverter correctly will ensure correct rotation directions of all machine motors.

IMPORTANT! When starting the machine for the first time, let it run without any load for 1-2 hours. It will let the infeed and outfeed tables drive components to grind in.

- The Edger can be lifted using the forklift only. Forklift must be rated for at least 2000kg (4409 lb). Edger is equipped with forklift pockets. Remove sawdust hopper before lifting the Edger by forklift. Insert the forks into the pockets shown on the picture below.

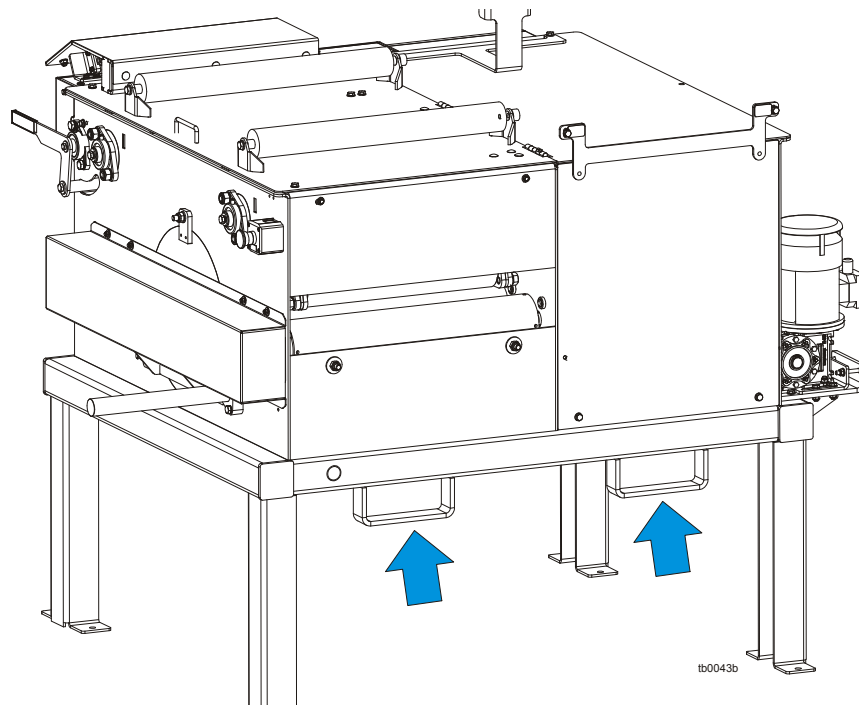


FIG. 3-9

- Mount the outfeed table using M12x40 bolts, 13 washers and M12 nuts.

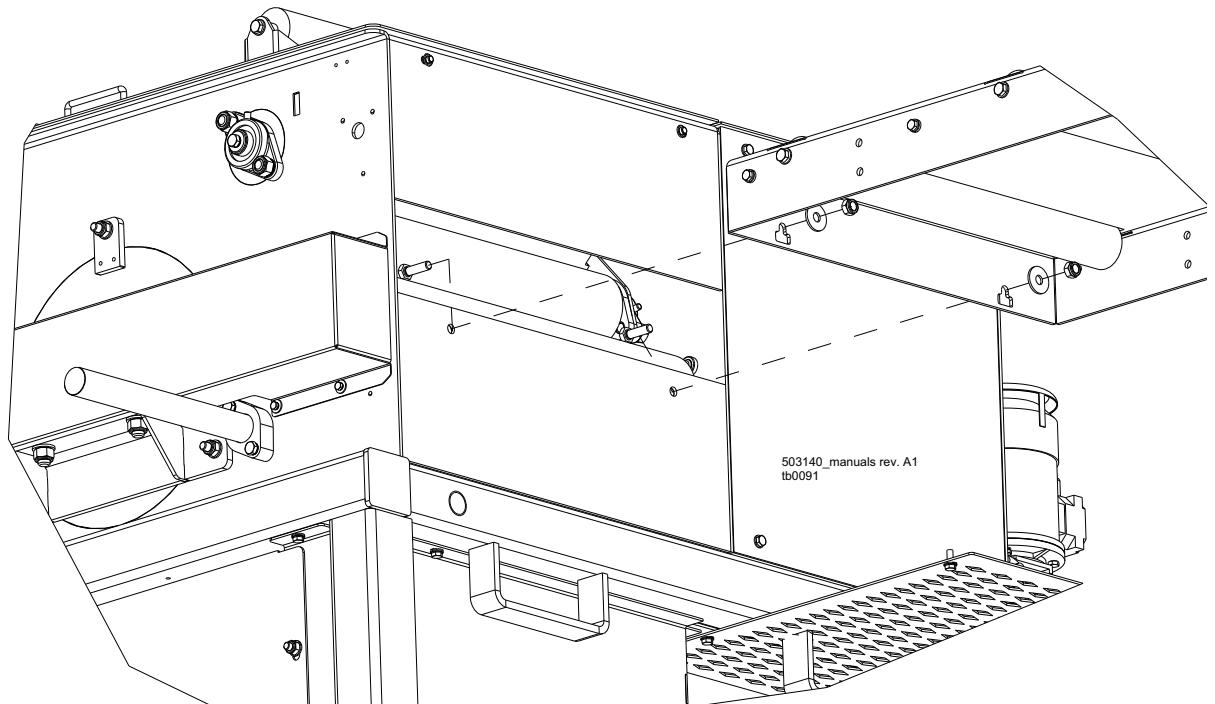


FIG. 3-10

- Mount the outfeed table using the M12x40 bolts, 13 washers, M12 nuts and the supplied special spacers (1 and 1.5mm thick). Place a bar along the inside edge of the blade as shown in the figure # 3-12. Add or remove the spacers to align the table so that the distances A and B

3 OPERATION

Edger Setup

are equal.

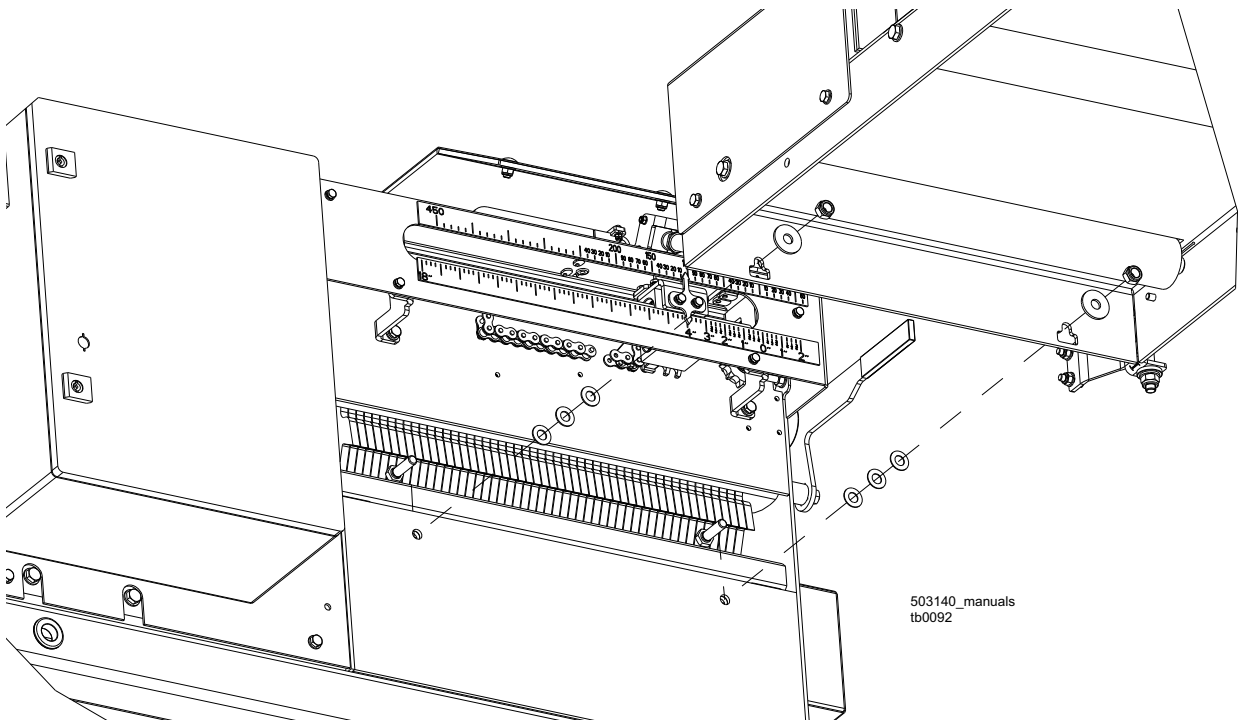


FIG. 3-11

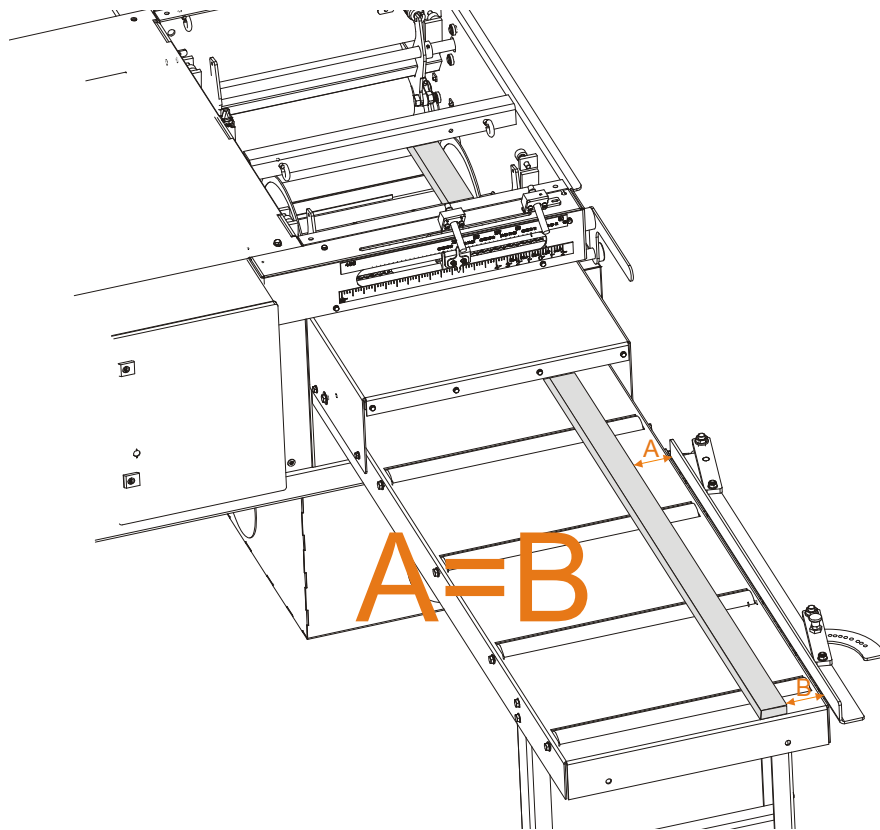


FIG. 3-12

3.4 Machine Start



DANGER! Before starting the machine, perform these steps to avoid injury and/or damage to the equipment:

- Close the blade housing covers and replace any guards removed for service.
- Check the feed rollers and remove all loose objects such as tools, wood, etc.
- Make sure all persons are a safe distance from the machine.
- Check that the emergency stops are released.

NOTE: The machine will not start if either of the emergency stops is on.

Before starting the blades, check that the main power switch servicing the machine is on.

See Figure 3-13. Start the blade motors. To do this, turn the switch to the “1” (CE Only) position and then push the START button on the control panel (see the figure below). The motor should start and the feed rollers should start. To stop the blade motor, push the Stop button shown in the figure above. The motor also may be stopped by pushing the emergency stop button.

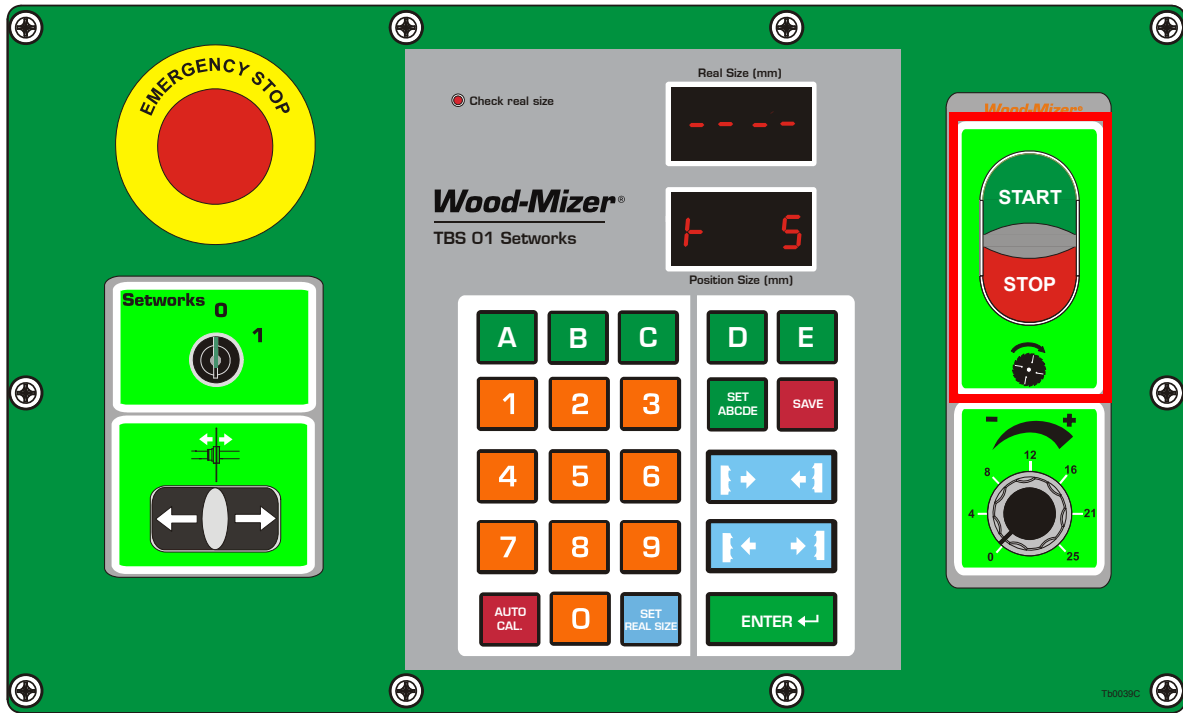


FIG. 3-13 EG300 CONTROL PANEL (CE ONLY)

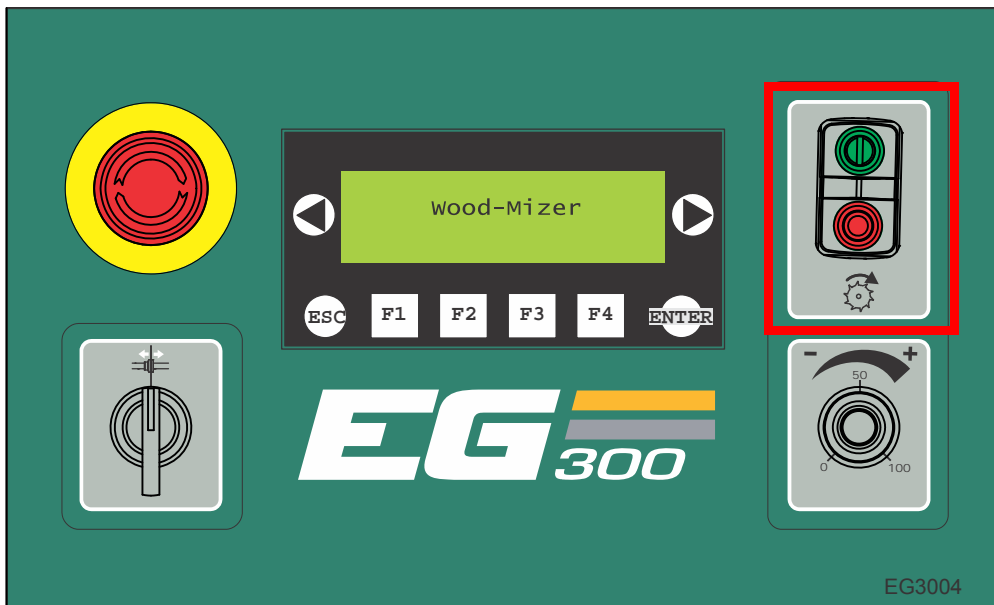


FIG. 3-13 EG300 CONTROL PANEL (U.S. ONLY)

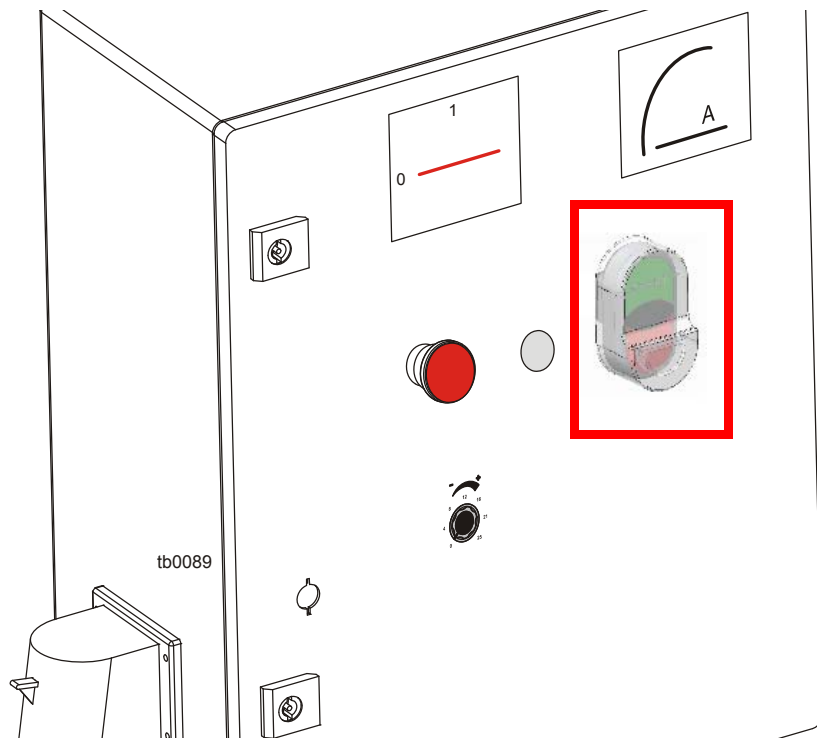


FIG. 3-13 EG250 CONTROL PANEL

3

OPERATION

Machine Start

See Figure 3-14. The speed at the feed rollers move is adjustable by dial located on the control panel, allows the operator to adjust the feed rate from 0 to ca. 25 m / 82 ft per minute.

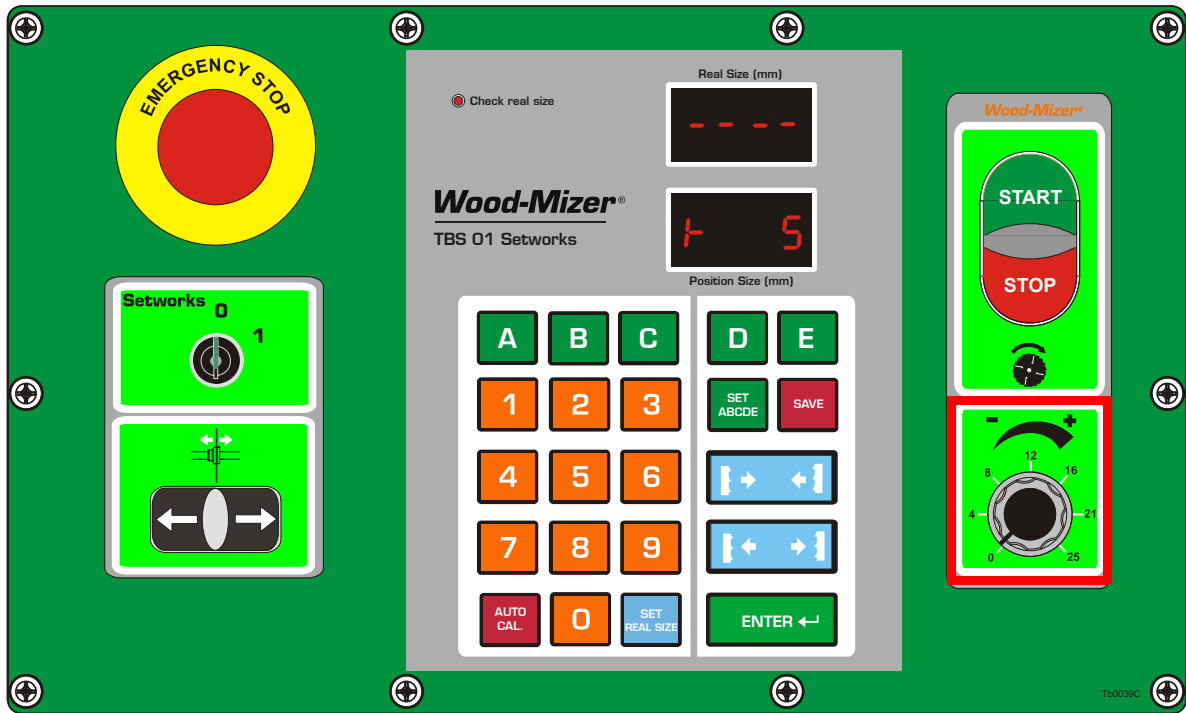


FIG. 3-14 EG300 (CE ONLY)

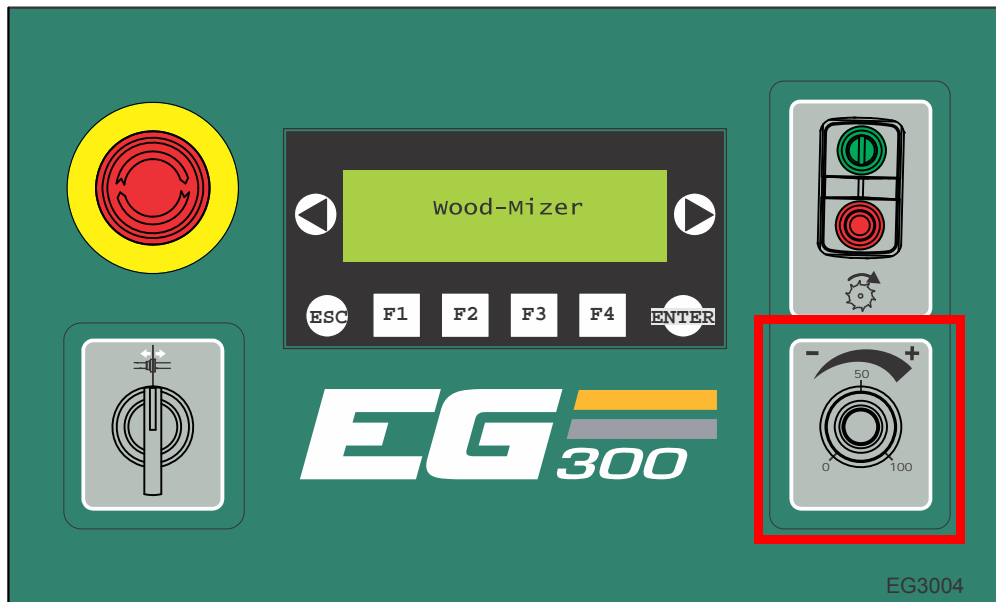


FIG. 3-14 EG300 (U.S. ONLY)

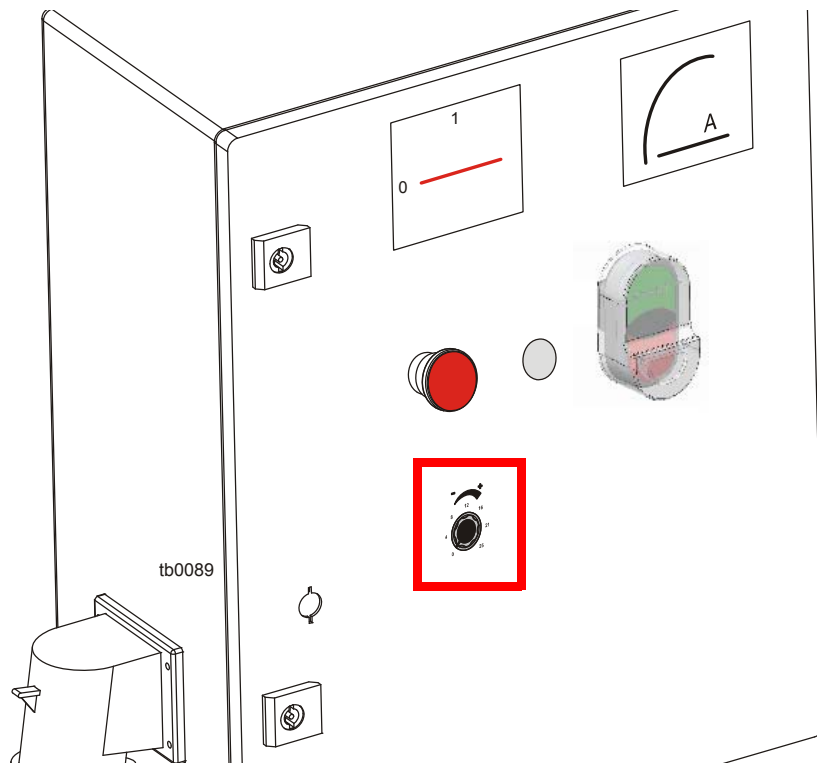


FIG. 3-14 EG250

Turn the switch clockwise to increase the feed rate, counterclockwise to slow the feed rate down.

Factors that will determine what feed rate you can use include:

- Material thickness.
- Hardness of material to be cut. Some woods that are seasoned or naturally very hard will require slower feed rates.
- Sharpness of blades. Dull or improperly sharpened blades will require slower feed rates than sharp and properly maintained blades.
- Off-bearing capability. Your ability to feed will also determine what feed rate you can use.

3.5 Blade Installation

Multirip Option

The main shaft's strength and motor horsepower allows you to use maximally five blades with your Edger. Never use more than five blades! The standard Wood-Mizer Edger is equipped with two blades. The additional three blades in Edger are installed on the provided bushing with spacers.

The blades should be installed on the main shaft in the following order:

- movable blade arbor,
- fixed blade arbor,
- bushing with three blades.

NOTE: It is necessary to adjust the movable blade limit switch after installing the bushing with additional blades. To do that, measure the distance from the left edge of the fixed blade arbor to the left edge of the bushing with additional blades (see the figure below). Then loosen the screws and move the limit switch left, the measured distance.



WARNING! Failure to adjust the safety switch after installing additional blades may result in machine damage.

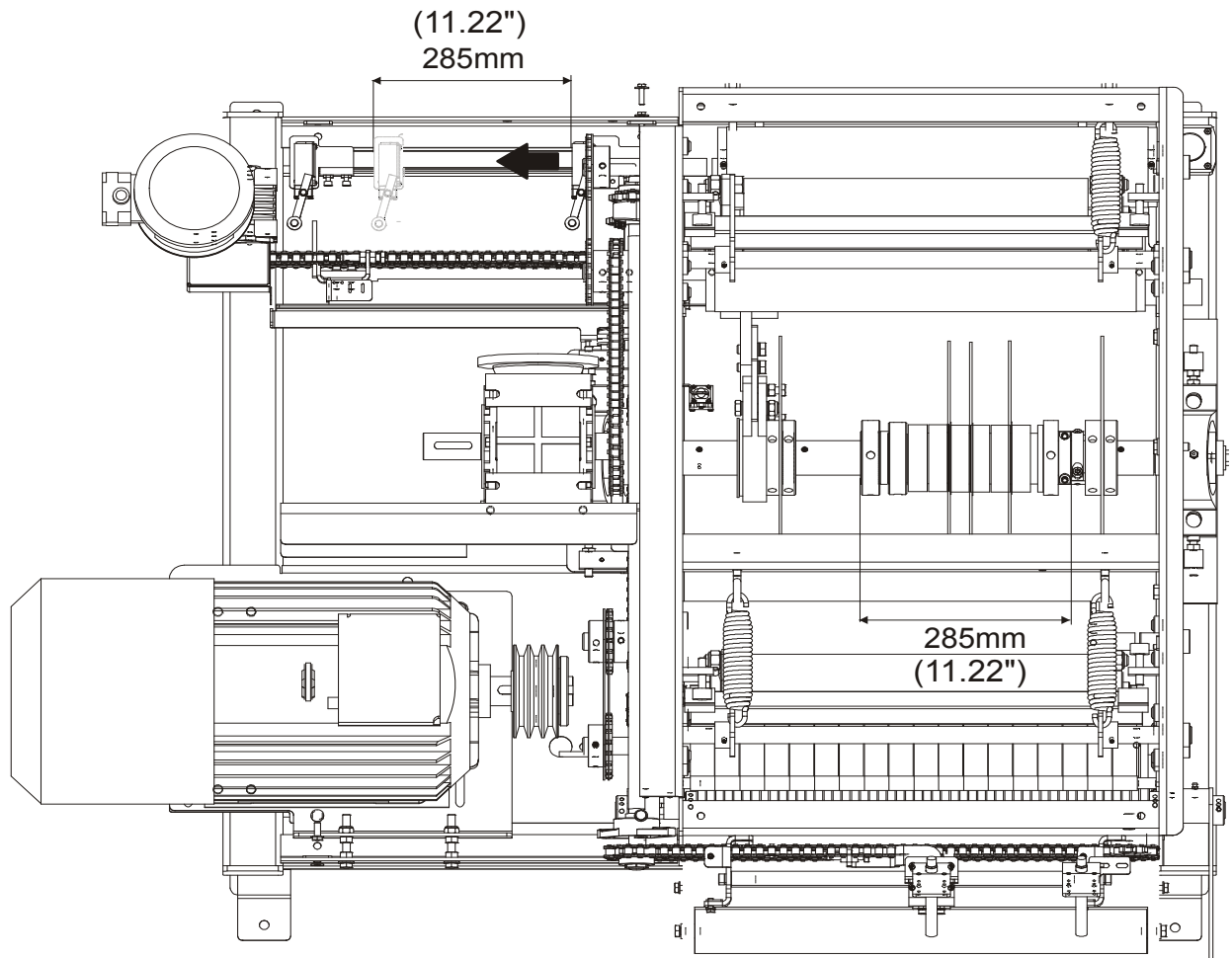


FIG. 3-15

NOTE(EG300 only) (CE Only): After installing the additional bushing with blades, you should turn off the Setworks controller because the remaining range of movable blade movement is insufficient for performing the auto-calibration. However, you can still automatically move the movable blade in the remaining range of its movement - using the additional blades distance setting switches located below the Setworks controller ON/OFF switch.

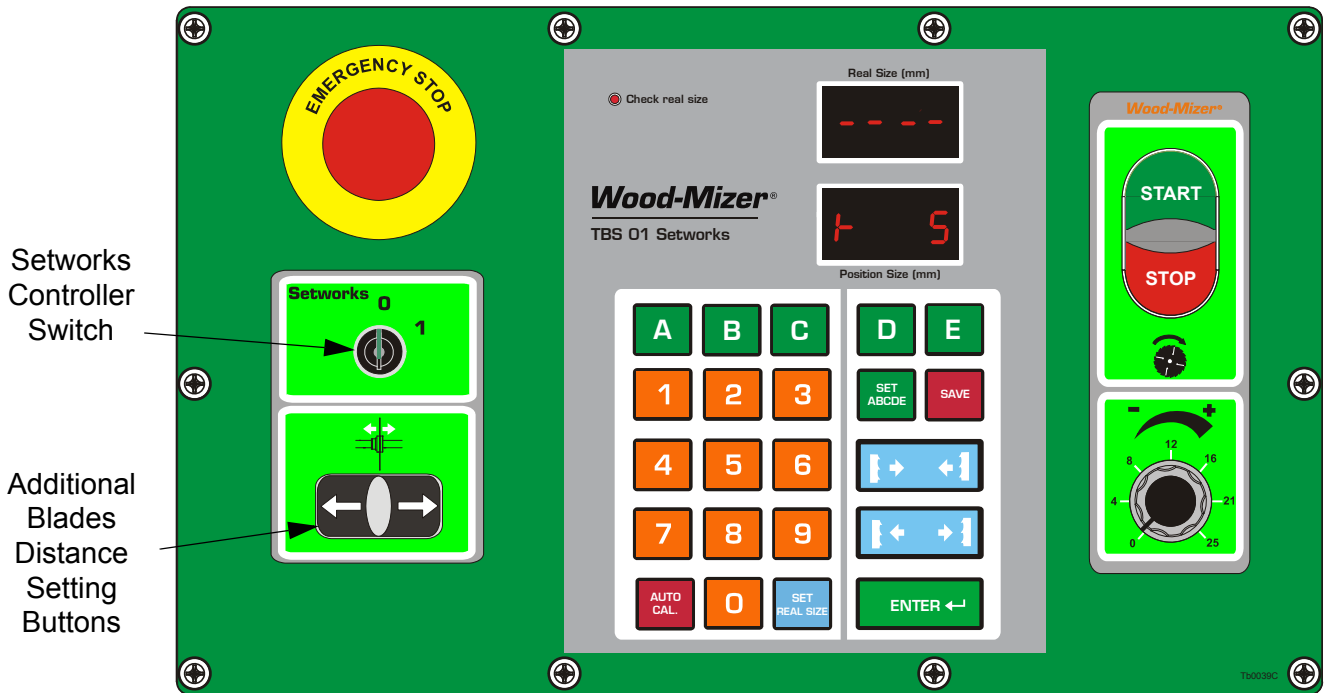


FIG. 3-16EG300 (CE ONLY)

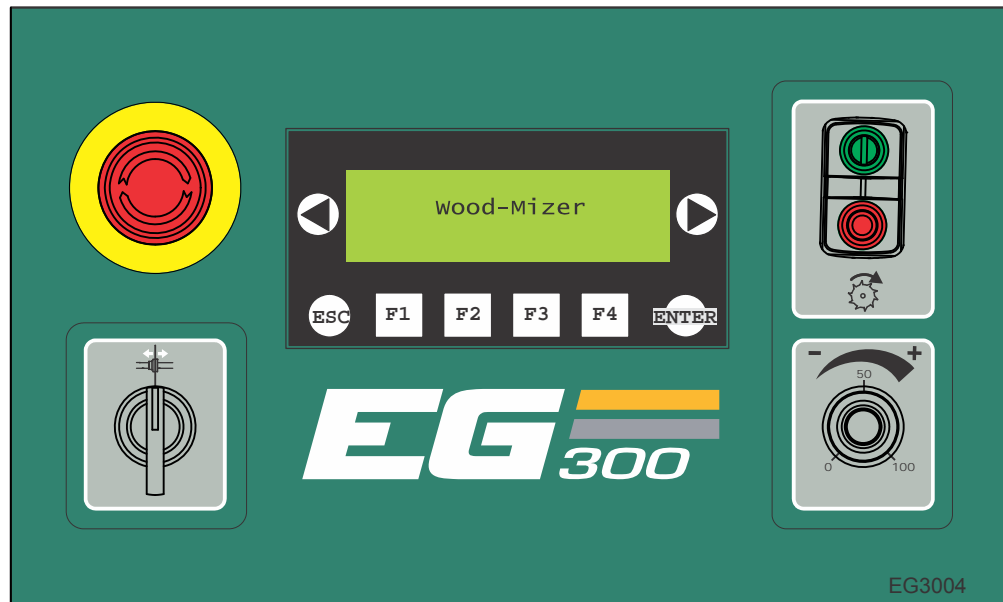


FIG. 3-17 EG300 (U.S. ONLY)

The table below will help you choose suitable thickness and number of spacers for various numbers of blades and distances between them. Use the toolmaker's table to mount the blades on the bushing and then install the bushing assembly to the Edger. You can also mount two bushing assemblies on the shaft, however no more than five blades. To do this, you have to order an additional bushing with spacers.

| Ref. | Board Width mm / inch (") | Maximum number of blades | Thickness and number of spacers behind each blade except the last one G [mm] / inch(") | | | | Thickness and number of spacers filling the spacing behind the last blade (up to the nut) | | | | | |
|------|---------------------------|--------------------------|--|---------------|----------------|----------------|---|--------------------|--------------------|--------------------|---------------------|---------------------|
| | | | G=26,1 1.028" | G=5 0.197" | G=10 0.394" | G=20 0.787" | A - 4,2mm / 0.165" | B - 6,4mm / 0.252" | C - 7,8mm / 0.307" | D - 5,0mm / 0.197" | E - 10,0mm / 0.394" | F - 20,0mm / 0.787" |
| | | | Number of spacers | | | | | | | | | |
| 1 | 25 / 1" | 5 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| 2 | 25 / 1" | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| 3 | 30 / 1.181" | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 4 | 35 / 1.377" | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 5 | 40 / 1.574" | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 6 | 25 / 1" | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 |
| 7 | 30 / 1.181" | 3 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 |
| 8 | 35 / 1.377" | 3 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| 9 | 40 / 1.574" | 3 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| 10 | 45 / 1.771" | 3 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 |
| 11 | 50 / 1.968" | 3 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 |
| 12 | 55 / 2.165" | 3 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| 13 | 60 / 2.361" | 3 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 |
| 14 | 65 / 2.558" | 3 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 |
| 15 | 25 / 1" | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 |
| 16 | 30 / 1.181" | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| 17 | 35 / 1.377" | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 5 |
| 18 | 40 / 1.574" | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 19 | 45 / 1.771" | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 4 |
| 20 | 50 / 1.968" | 2 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 4 |
| 21 | 55 / 2.165" | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 4 |
| 22 | 60 / 2.361" | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| 23 | 65 / 2.558" | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 3 |
| 24 | 70 / 2.755" | 2 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 3 |
| 25 | 75 / 2.952" | 2 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 3 |
| 26 | 80 / 3.148" | 2 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| 27 | 85 / 3.345" | 2 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 1 | 1 | 2 |
| 28 | 90 / 3.542" | 2 | 1 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 2 |
| 29 | 95 / 3.74" | 2 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 2 |
| 30 | 100 / 3.935" | 2 | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 2 |
| 31 | 105 / 4.132" | 2 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 1 | 1 |
| 32 | 110 / 4.33" | 2 | 1 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 1 |
| 33 | 115 / 4.526" | 2 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 1 | 0 | 1 |
| 34 | 120 / 4.723" | 2 | 1 | 1 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 1 |
| 35 | 125 / 4.92" | 2 | 1 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 1 | 0 |
| 36 | 130 / 5.116" | 2 | 1 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | 1 | 0 |
| 37 | 135 / 5.313" | 2 | 1 | 0 | 1 | 5 | 0 | 0 | 0 | 1 | 0 | 0 |
| 38 | 140 / 5.51" | 2 | 1 | 1 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |

FIG. 3-18

NOTE: The minimum distance between two blades can be 25mm (1"). The maximum distance between the blades can be as follows:

- for 2 blades 140 mm (5.52 ")

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OPERATION


Additional Fixed Blade Option

- for 3 blades 65 mm (2.56")
- for 4 blades 40 mm (1.57")
- for 5 blades 25 mm (1")

Additional Fixed Blade Option

The edger can be equipped with an additional fixed blade (optional equipment).

NOTE: It is necessary to readjust the movable blade limit switch after mounting the additional fixed blade (or blades). To do that, measure the distance from the left edge of the fixed blade arbor to the left edge of the last added blade (see the figure below). Loosen the mounting screws and move the limit switch left, the measured distance.

 **WARNING!** If the limit switch is not readjusted after mounting additional blades, damage to the machine equipment may occur.

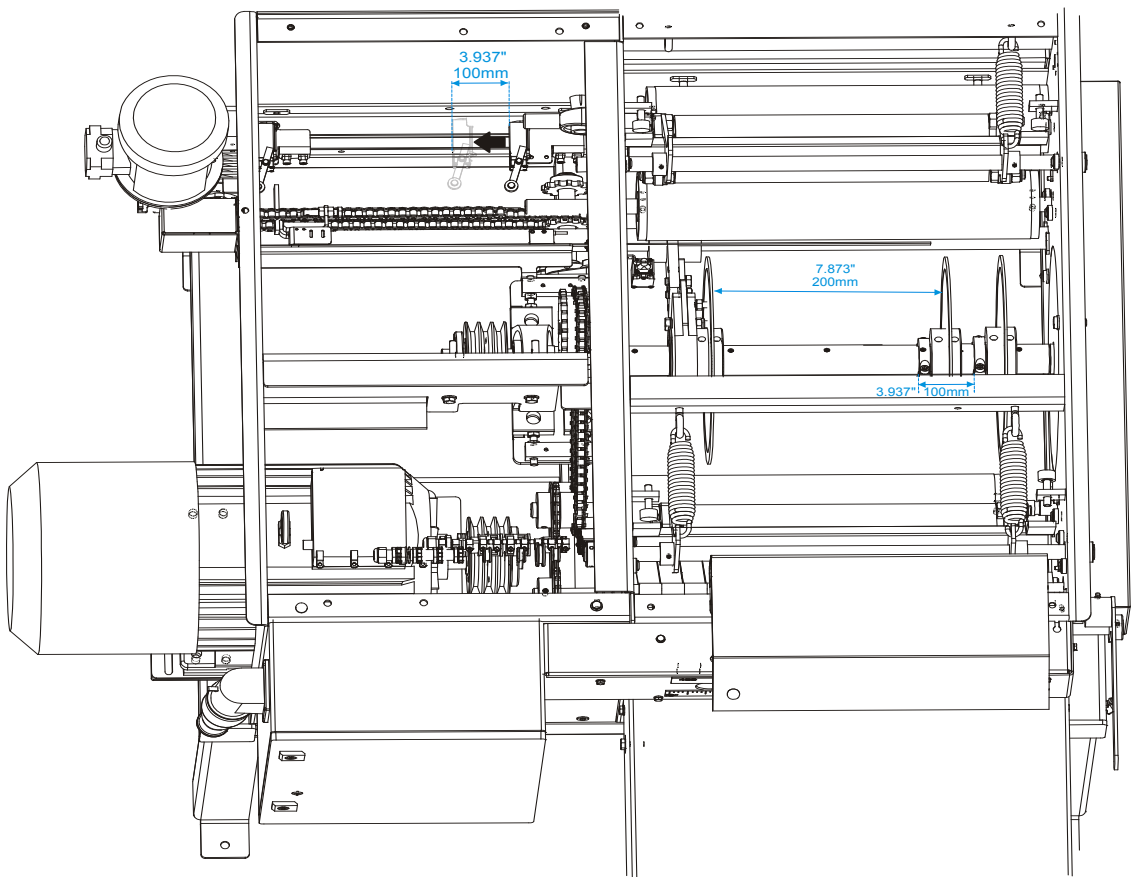


FIG. 3-19

3.6 Edging Lumber



DANGER! Make sure all guards and covers are in place and secured before operating the Edger. Failure to do so may result in serious injury.

DANGER! Keep all persons out of the path of moving equipment and boards when operating the Edger or loading boards. Failure to do so will result in serious injury.

DANGER! Moving Parts Can Crush and Cut. Keep hands clear. Make sure all guards and covers are in place and secured before operating or towing. Failure to do so may result in serious injury.

DANGER! Maintain a clean and clear path for all necessary movement around the Edger and lumber stacking areas. Failure to do so will result in serious injury.



WARNING! Always shut off the motor to stop the blade whenever the Edger is not in use. Failure to do so may result in serious injury.

WARNING! Always wear eye, ear, respiration, and foot protection when operating the Edger. Failure to do so may result in serious injury.

WARNING! Secure all loose clothing and jewellery before operating the Edger. Failure to do so may result in serious injury or death.

After performing the pre-operation check, you are ready to begin edging lumber.

1. Start the machine.
2. Place the board on the infeed table.
3. If one side of the board is edged, place the board with the squared edge against the board guide fence (optional equipment for EG250).

See Figure 3-20. The board guide fence allows guide the board parallel. Release the locking bolt to adjust the board guide fence.

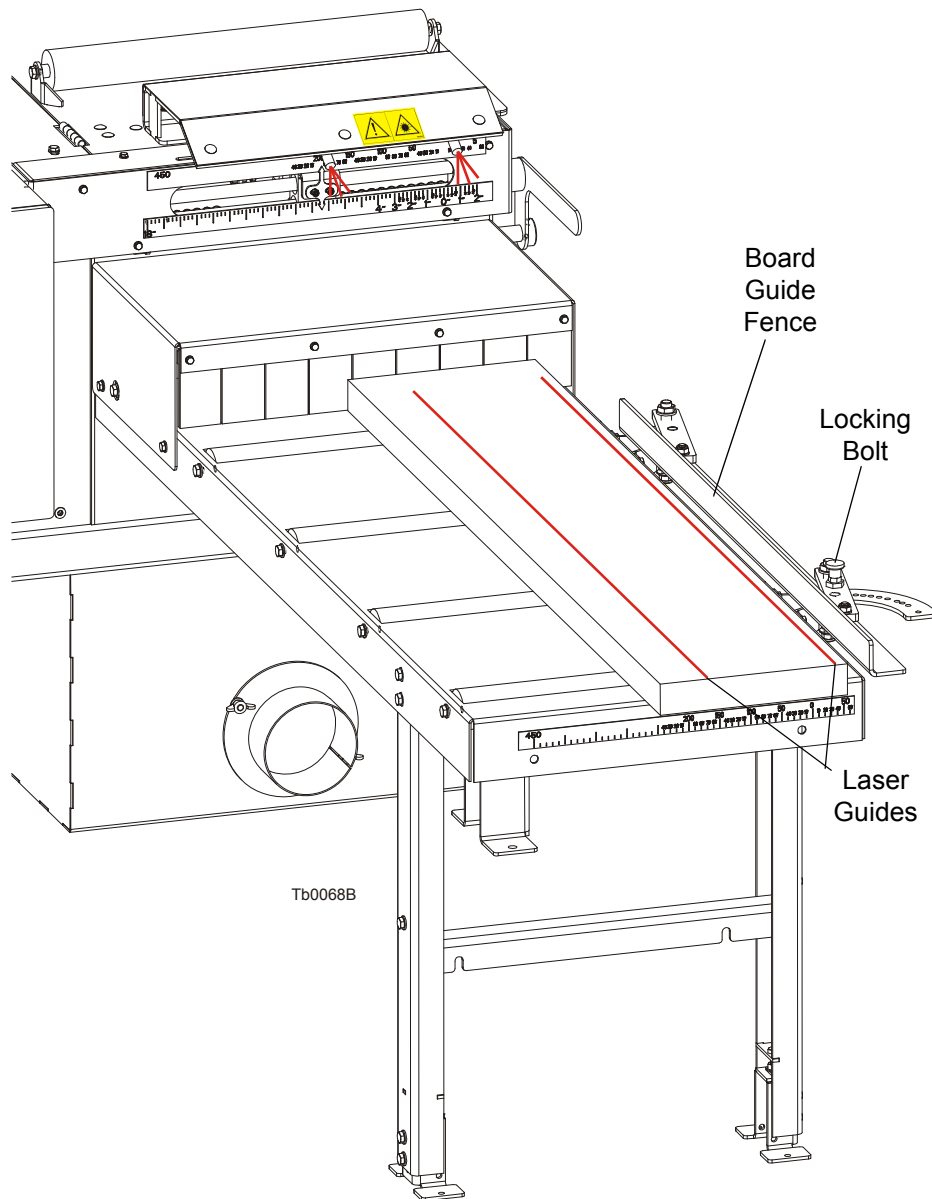


FIG. 3-20

4. Move the blades as desired. If using a fence as a guide, use the corresponding scale to determine the width of the board after edging. The laser will show the path of the blade to help you decide how wide to cut. If edging both sides of the board, use the scale at the top of the edger and or setworks display to determine the width of cut. Again, the lasers show the path of the blades. For instructions how to use Setwork, [See 4.1 Edger Controller Panel](#)
5. Start the blade motor and the feed motor. Set the board feed speed as desired. Push the board into the edger until the feed system takes the board.



IMPORTANT! If at any time you need to immediately stop the motor

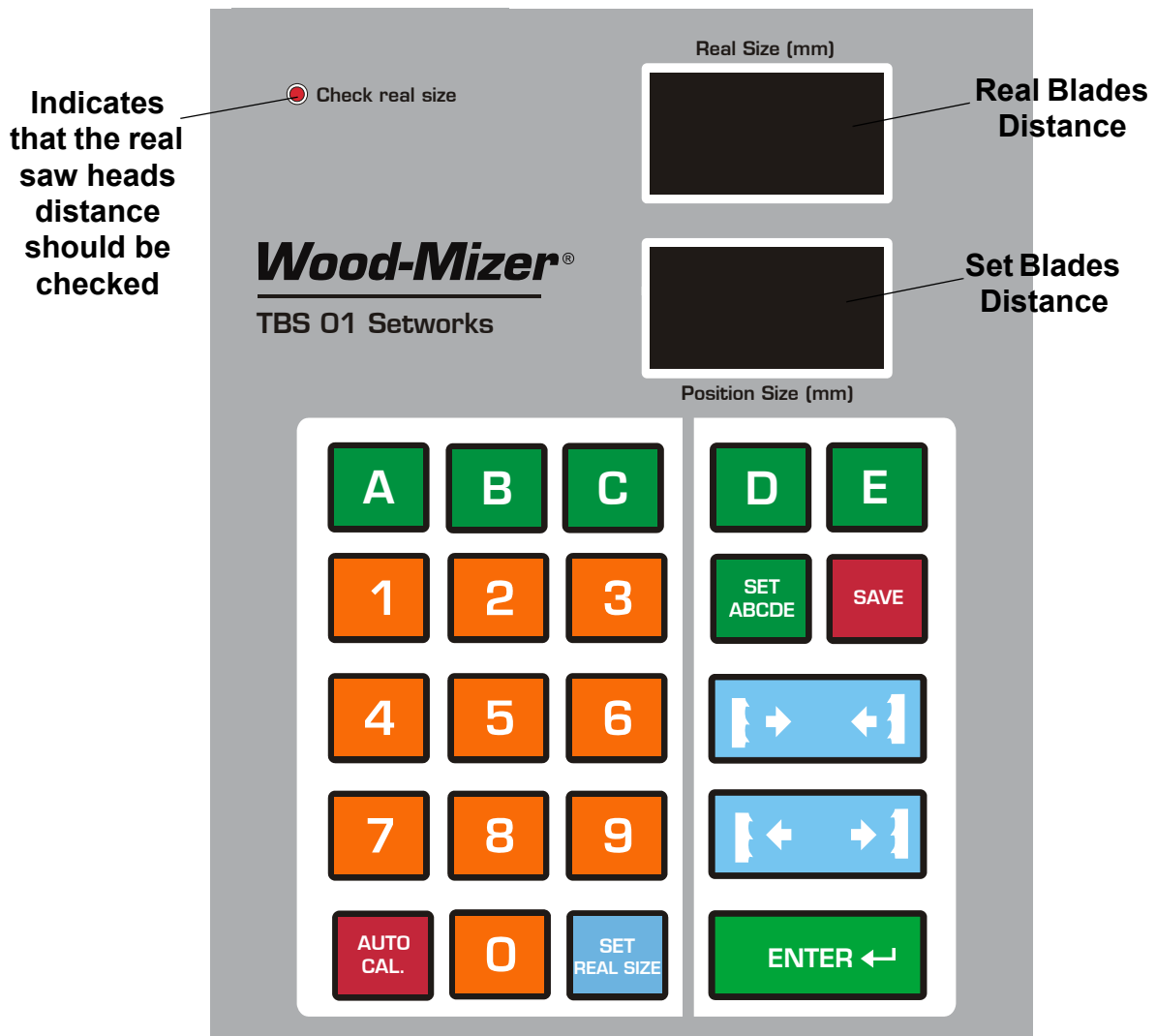
and/or Edger operation, press the Emergency Stop button located at the front or at the rear of the Edger.

6. Repeat the above procedures for all boards to be edged.
7. Shutdown the machine when done edging.

SECTION 4 NETWORKS OPERATION (EG300 CE ONLY)

4.1 Edger Controller Panel

See Pic. 4-1.



PIC. 4-1

Descriptions of the control panel buttons:



A, B, C, D, E - blades width memory buttons.



SET ABCDE - Sets the blades width value to each memory button.



Save - Saves parameters determined by operator.



Blades width manual setting buttons (in/out).



ENTER ← - enters the value to the memory




Auto Mode – Adjustment of the networks automatic calibration parameters. Used for initial calibration and re-calibration if dimensional error occur.



Set Real Size - Sets the real distance between saw heads. Should be set when “Check real size” indicator lamp blinks.

4.2 Start-up settings of the controller

1. Setting the input divider (entered only once, at the first start-up)

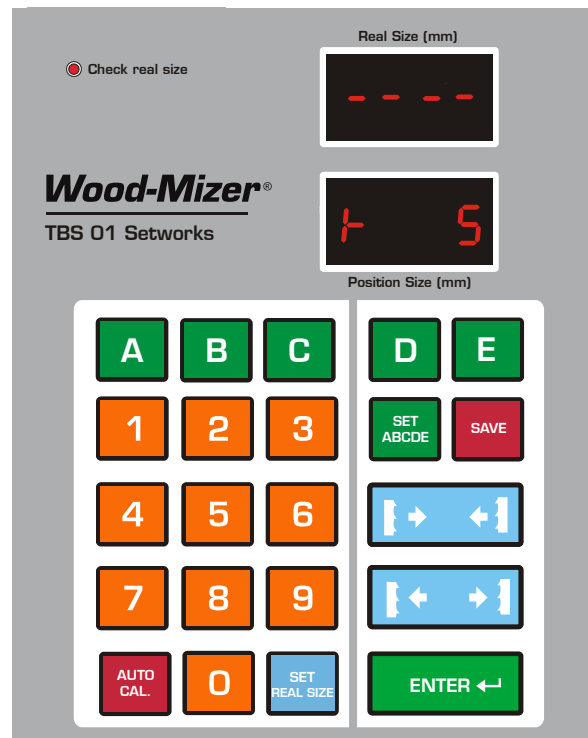
- Switch on the controller by turning the main switch to ON position.
- When the text “TBS-01” appears on the display, press and hold  until the divider value appears on the lower right display.
- Enter the correct value of the divider (for Edger the divider value should be 5).

4


NETWORKS OPERATION (EG300 ce Only)

Start-up settings of the controller

See Pic. 4-2.





PIC. 4-2

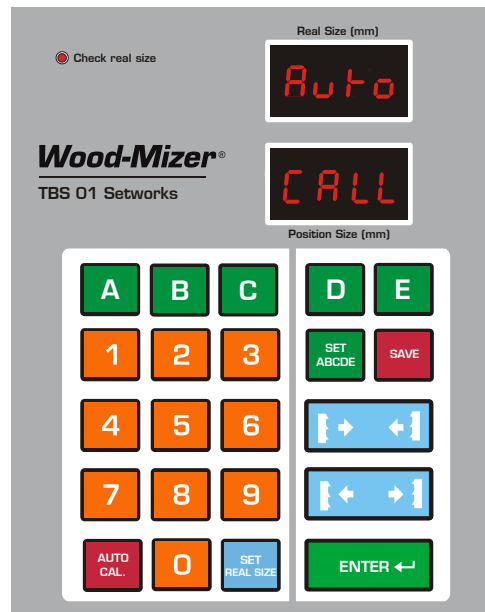
- Press  to save the entered divider value.

1. Auto-calibration



This function should be used in case of: replacement of any component of the blades width setting system, motor or after lubrication of the chains and other moving elements or when significant cutting variances are observed;

- Switch on the edger by turning the main switch to ON position. and wait until the text “TBS-01” disappears.
- Using  buttons set the blades to 180 mm (7.07”) width.
- Press and hold down . After a while - the text “Aut” will appear on the displays. The controller is ready for auto-calibration.

See Pic. 4-3.



PIC. 4-3


- Press  again, the controller successively performs some movements of the blades. After performing the last movement, measure and enter the real head width using the keypad. Confirm by pressing .

2. Real blades width entering.

To ensure, that upper display shows the correct blade width, it is necessary to enter real blades width. It must be done on the first start-up and also when:

- significant cutting variances are observed;
- a sudden power disappearance happend when the controller was setting the blade width;
- any repairs to blades drive system was made.

To enter the real blade width:

- Press and hold 
- Using the the scale, set the blades to full measurement (for ex. 250mm (9.842"))
- Measure the distance between the blades and make sure if the measured distance is the same as

4


NETWORKS OPERATION (EG300 ce Only)


Operation, Memory Buttons (A, B, C, D, E)

on the scale. If not, [See Section 6.7](#) for alignment instructions.

- Enter the distance between the blades without any pauses. Confirm by pressing .




4.3 Operation, Memory Buttons (A, B, C, D, E)

After switching-on, the TBS-01 inscription appears on the display, and the setworks is ready for operation within a few seconds or after  is pressed.

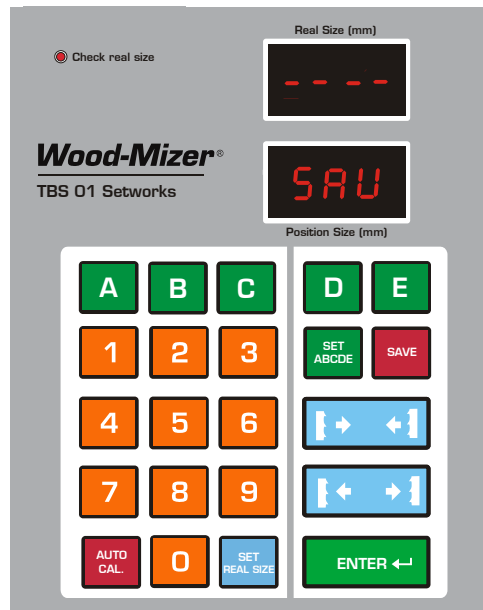
- To set the blades to any width, enter the blades width value using keypad and press . The blades will automatically move to the entered width value.

- You can also change the blades width manually using  .


You can store up to 5 blades width values using the memory buttons.



- To store the width value using the memory button, press and hold . On the upper display the “ABC” will appear. Press the memory button (A, B, C, D or E), enter the width value and confirm by pressing . Perform the same procedure for other memory buttons. Press  to exit this function.

See Pic. 4-4.



PIC. 4-4

- To use the stored value, press the required memory button and confirm by pressing . The blades will move to the stored width.

NOTE: If during normal operation the “Check real size” lamp start blinking, press and hold the  button. Measure and enter the distance between the blades with an accuracy of 0,1 mm (0.00394"). For example: if you want to enter 102mm - press **1-0-2-0** without any pauses and confirm by pressing .

SECTION 5 NETWORKS OPERATION (EG300 U.S. ONLY)

5.1 Networks (Optional - U.S. Version)

The Networks option allows you to program eight positions for the blades and adjust to those positions by pushing a single button. For Networks to be operational, the power to the machine must be on and the green power indicator on the operator control illuminated.

5.1.1 Networks Start-up

See **Figure 5-2**. When the power to the machine is turned on, the Networks display flashes the company name first. After a short delay, you may see an Error #203 displayed. This is normal during start-up as the display waits for the PLC to boot up. Once communication with the PLC is established, the display will return to the first screen and then show the PLC and Display software versions. This information should be supplied to Customer Service when requesting service.

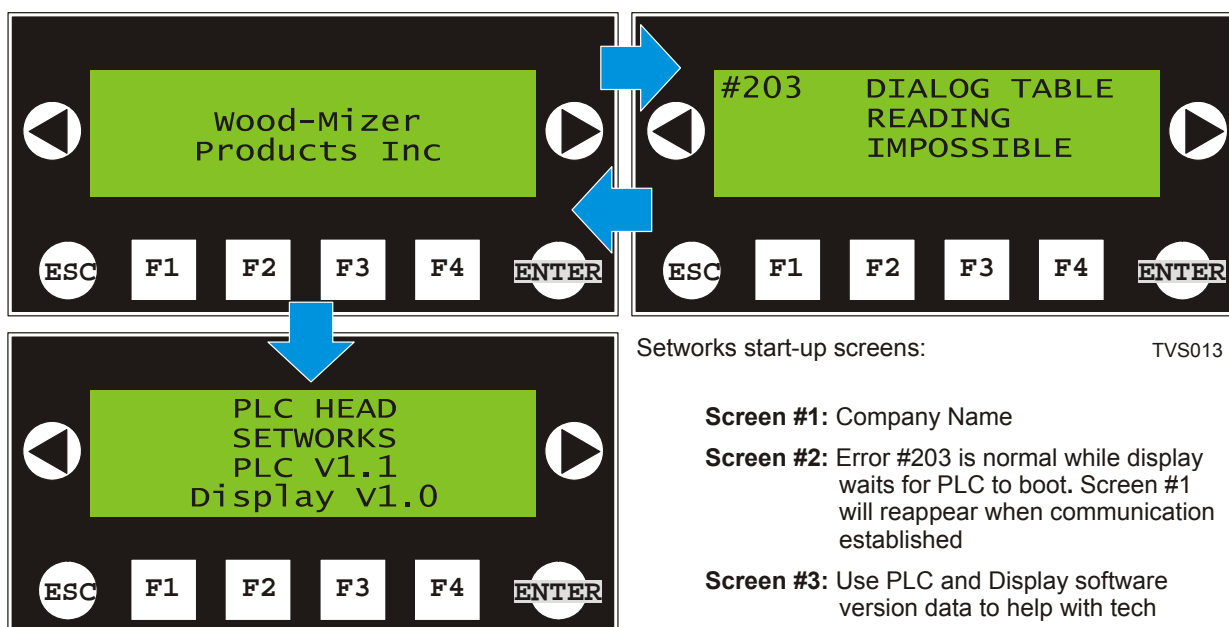


FIG. 5-2

See Figure 5-3. After the Networks display scrolls through the start-up screens, the Main screen will be displayed. Depending on how the control is programmed, the Main screen will display in one of three unit options: Imperial Fractions, Imperial Decimals or Metric.

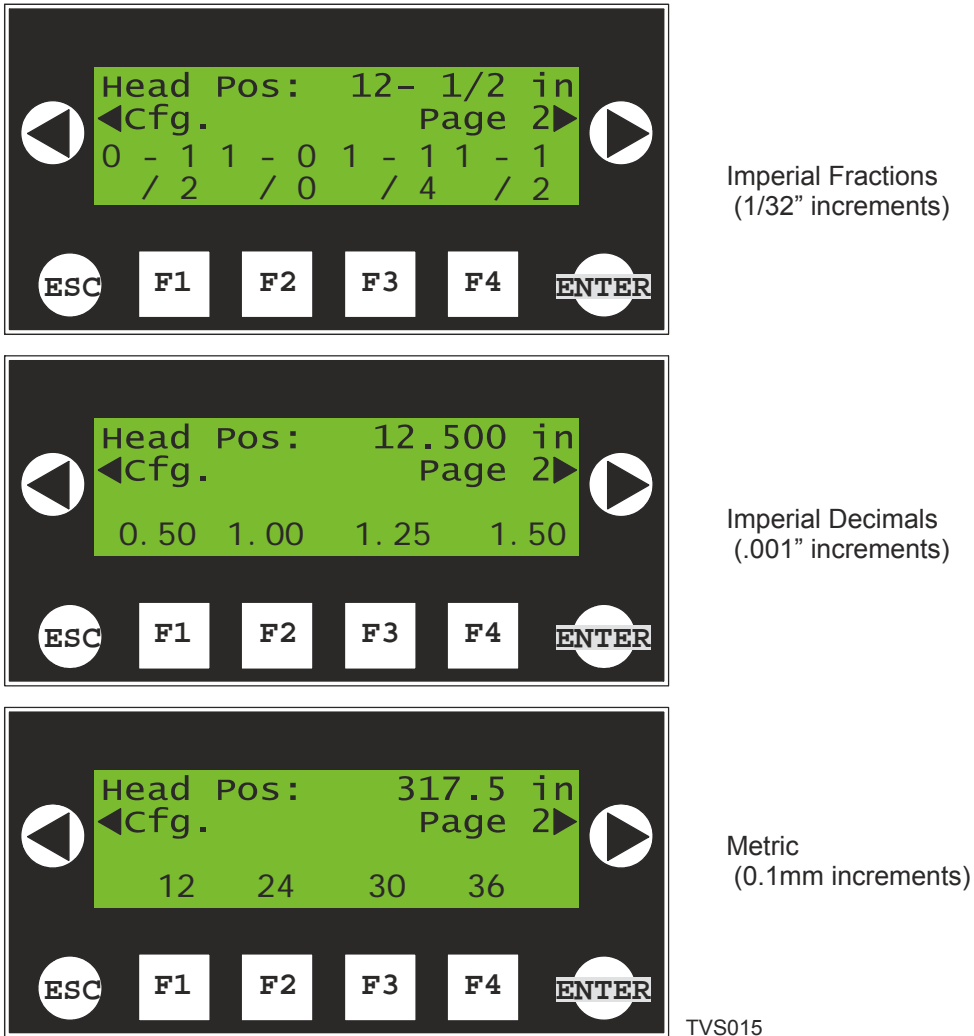


FIG. 5-3

The Main screen displays the distance between blades and the first set of four Presets. Push the corresponding 'F' button to select a preset. The saw heads will move until the blades are that distance apart. Push the right arrow labeled 'Page 2' to scroll to the second set of four Presets.

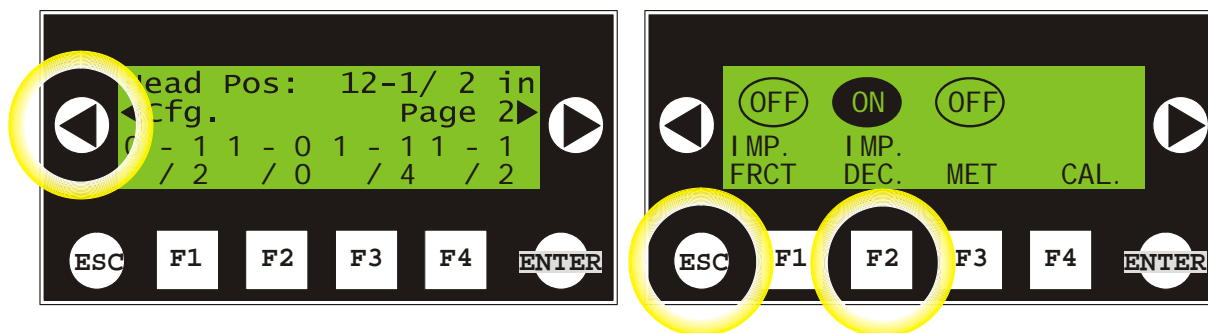
NOTE: If the heads are required to move in to reach the desired preset value, they will travel in past the preset target and then move out to the target. This compensates for backlash in the mechanical system.

5 Networks Operation (EG300 U.S. Only)

Networks (Optional - U.S. Version)

5.1.4 Select Unit Of Measure

See Figure 5-5. Push the left arrow labeled 'Cfg.' to enter the Configuration menu. Use the F1, F2 or F3 buttons to select the unit of measure you wish to use. The units currently selected will be labeled 'ON'. Push 'ESC' to return to the main screen.



Push left arrow labeled 'Cfg.'

Push 'F1' for Imperial Fractions, 'F2' for Imperial Decimals or 'F3' for Metric units. The unit selected will show 'ON' above the button label. Push ESC to return to the main screen.

TVS016

FIG. 5-5

5.1.6 Calibrate Blades Position

After the Networks option is installed or if inaccurate position of the blades is observed, calibration of the Networks control with the saw head position may be required.

Adjust the blade positions so the blades are an easy-to-measure distance from each other. **NOTE:** Because the Networks control calibration values are limited to integers between 0 and 9, the distance between the blades should be set less than 9.999 inches in Imperial units or 999.9mm in Metric units. When adjusting the head positions, be sure to move the heads in past the target position and then out to compensate for any backlash in the mechanical system.

See **Figure 5-7**. Push the left arrow labeled 'Cfg.' to enter the Configuration menu. Push the F4 button to enter the Calibration menu. If using Imperial Fractions or Imperial Decimal units, the Calibration menu will display in inch increments. If using Metric units, the menu will display increments in millimeters.

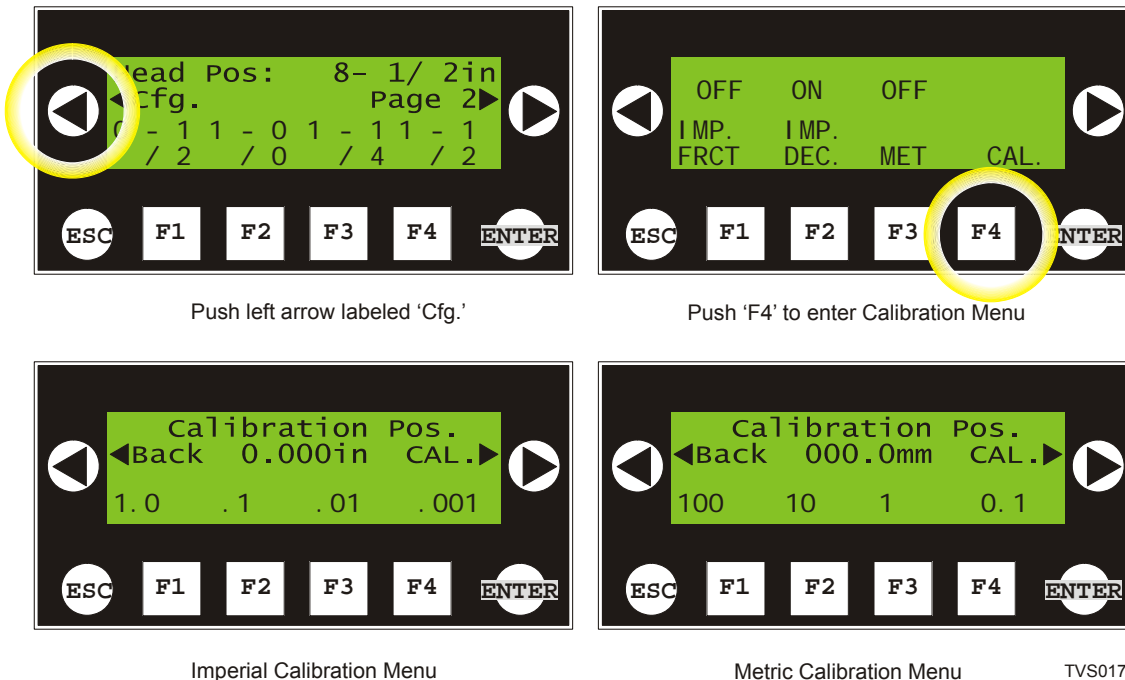


FIG. 5-7

Use the F1 - F4 buttons to scroll each value as desired. When the value reaches '9' pushing the button again will return the value to '0'. Adjust the values until the Calibration Position equals the actual measurement between the blades.

To save the Calibration Position setting, push the right arrow button labeled 'CAL.' To exit without changing the calibration, push the left 'BACK' arrow. Push the Back button to return to the Configuration screen or the 'ESC' button to return to the Main screen.

5 Networks Operation (EG300 U.S. Only)

Networks (Optional - U.S. Version)

5.1.8 Adjust Preset Values

See Figure 5-9. To enter different values for each preset, push the right arrow button labeled 'Page 2' from the Main screen. Push the right arrow again to enter the presets Setup menu. Push the left arrow 'Back' button to return to the Main screen.

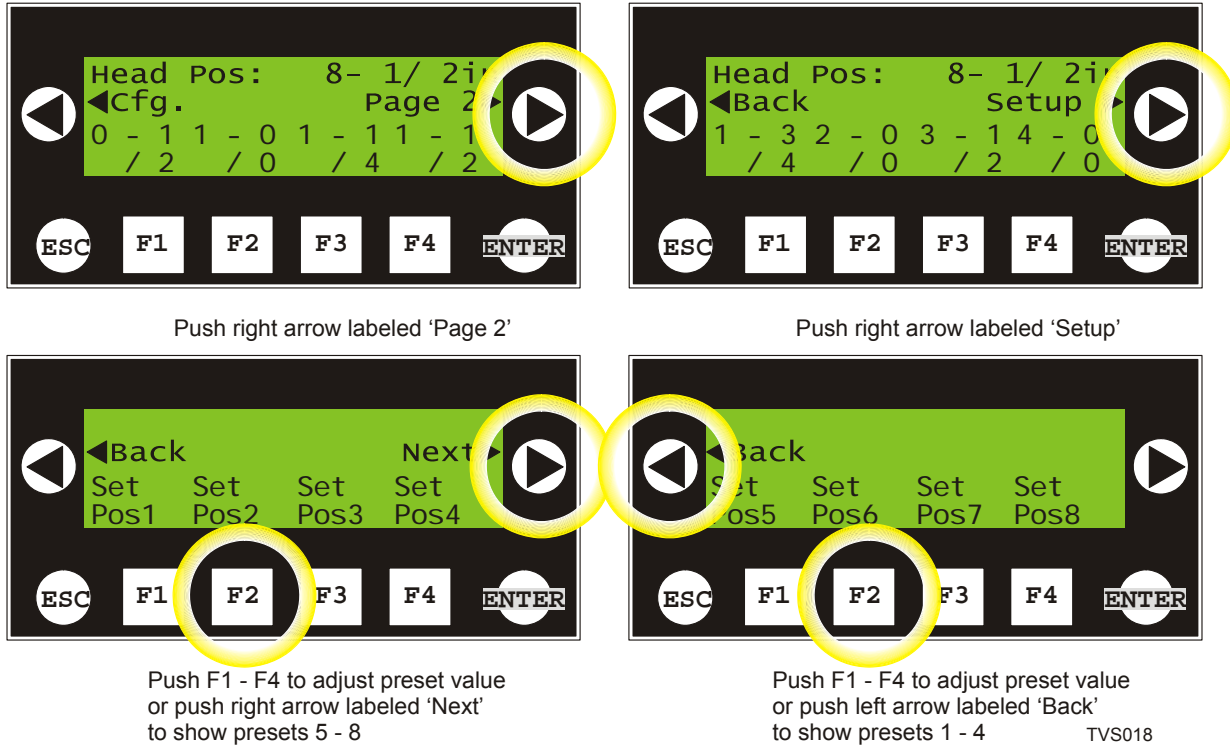
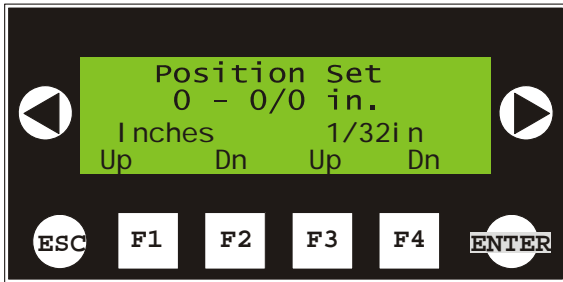
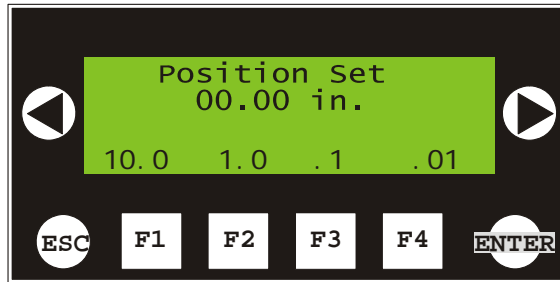


FIG. 5-9

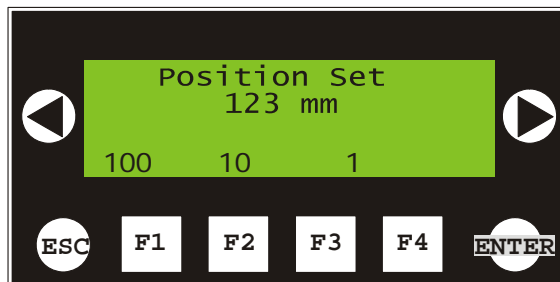
See Figure 5-10. In the Setup menu, select the corresponding 'F' button for the value you wish to set. Push the right arrow 'Next' button to scroll to Presets 5-8. Once you select a Preset to change, the Position Set menu will appear.



Imperial Fractions:
 Use F1 & F2 to adjust inches up or down;
 Use F3 & F4 to adjust fraction up or down



Imperial Decimals:
 Use F1 to adjust tens value; F2 to adjust ones;
 F3 to adjust tenths; F4 to adjust hundredths



Metric:
 Use F1 to adjust hundreds value; F2 to adjust tens;
 F3 to adjust ones

TVS019

FIG. 5-10

Imperial Fractions: Use the F1 and F2 buttons to scroll the whole inch by a value of one up or down each time the corresponding button is pushed. Use F3 and F4 to adjust the fraction value by 1/32 inch up or down each time the corresponding button is pushed.

Example: To set the value to 1-1/4, press F1 once and F3 eight times.

Imperial Decimals: Use the F1 button to scroll the tens value in increments of 1, F2 to scroll the ones value, F3 to scroll the tenths and F4 to scroll the hundredths.

Example: To set the value to 1.25, press F2 once, F3 twice and F4 five times.

Metric: Use the F1 button to scroll the hundreds value in increments of 1, F2 to scroll the tens value, and F3 to scroll the ones.

Example: To set the value to 25mm, press F2 twice and F3 five times.

Push 'ENTER' to save the preset value and return to the Setup menu. Push the 'Back' button to scroll back through the menus or push 'ESC' to return to the Main screen.

SECTION 6 MAINTENANCE & ALIGNMENT

6.1 Changing the Blades

1. Replace the blades as necessary. Dull blades will cause the motor to work harder and will result in decreased cut quality and accuracy. Blade life will vary depending on maintenance of machine, operator, species of wood being sawn, and condition of wood being sawn.



DANGER! Before changing the blades, make sure the arbor has come to a complete stop and the motor is shut off completely. Turn the main switch to "0" position and disconnect the power cord. Failing to do so can cause serious injury.



WARNING! Always wear eye, glove and foot protection when handling saw blades.

2. To access the blades, unbolt and open the blade housing cover.
3. With the shaft secured, use the provided spanner wrenches to loosen the locking nuts on the blades.
4. Remove the cone/bearing assembly from the Edger. To remove, first unbolt and remove the blade shaft bearing guard. Loosen the cone retaining bolt. Remove the cone. If is not possible to remove the cone freely, use the bearing puller. Remove the three mounting nuts on the bearing plate and pry the plate from the Edger.

See Figure 6-1.

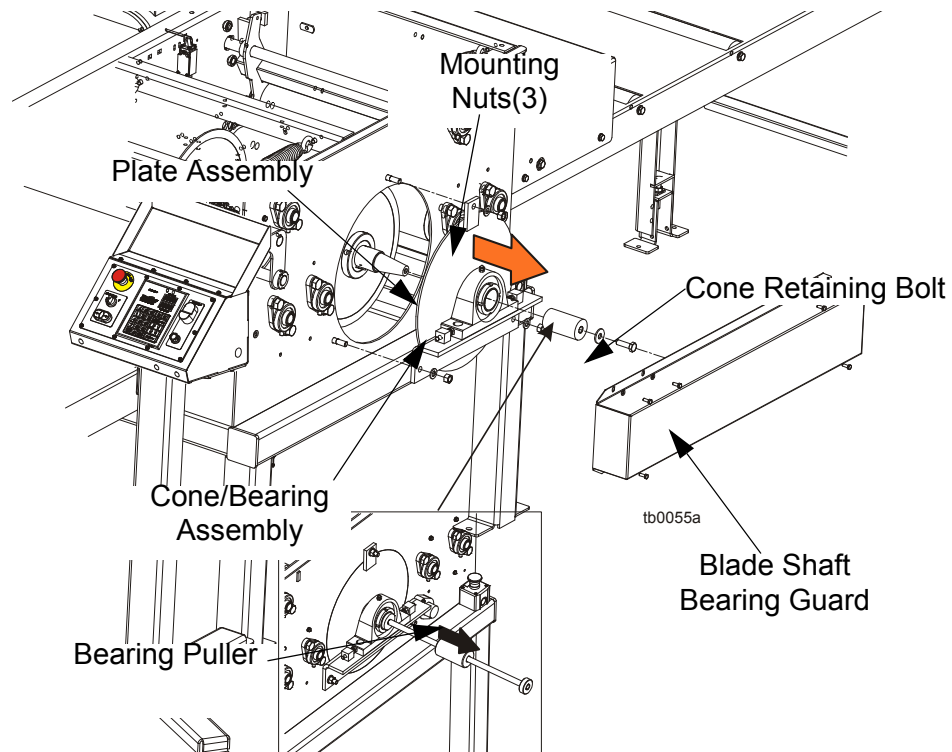


FIG. 6-1

5. Next, remove the blades from the shaft. To do this, remove the fixed blade locking nut using the provided spanner wrenches and next remove the fixed blade. Loosen the two allen screws on the fixed blade arbor and remove the arbor from the shaft.
6. Unscrew and remove the adjustable blade locking nut. Slide the movable blade from the shaft.

See Figure 6-2.

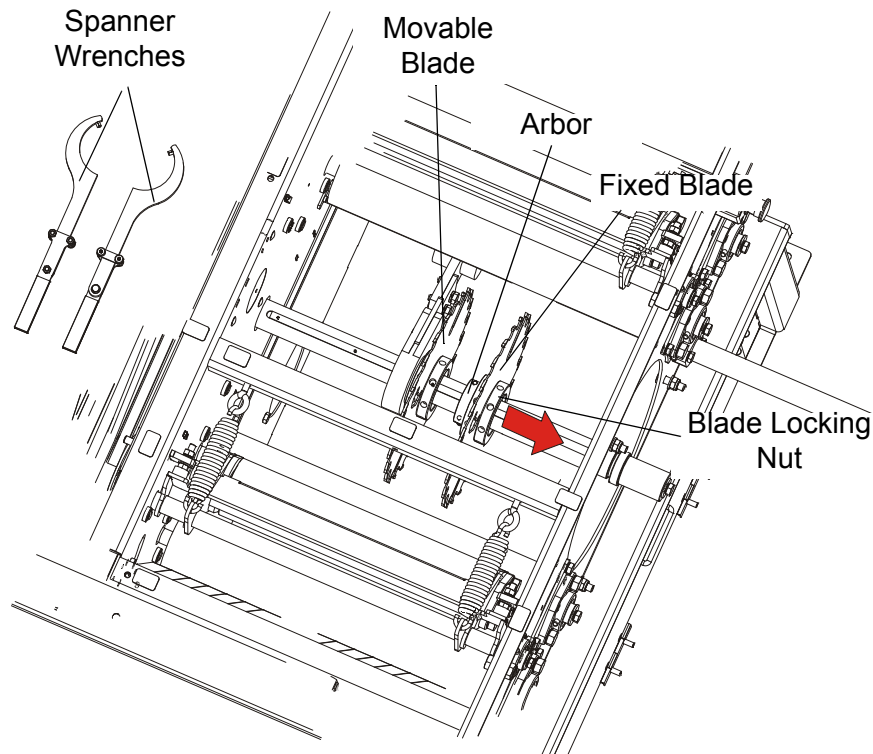


FIG. 6-2

7. Apply an anti-seize lubricant to the face of the arbor and to the face and threads of the blade locking nut.
8. Install a new or resharpened blade to shaft and position it next to the movable blade arbor. Loosely reinstall the adjustable blade locking nut.
9. Reinstall the fixed blade arbor to the shaft. Install a new or resharpened blade, and loosely reinstall the fixed blade locking nut.
10. Reinstall the cone/bearing assembly and secure in place with the existing mounting nuts.
11. Reinstall the cone retaining bolt and the blade shaft bearing guard.
12. With the shaft secured, use the spanner wrenches to tighten the blade locking nuts all the way.
13. Align the blades. [See Section 6.7.](#)
14. During alignment, the blade arbor allen screws will be tightened to secure the blade assemblies in place.
15. After alignment, be sure to close and re-secure the blade housing cover.

6.2 Tensioning the Belts



DANGER! Always shut off the motor and allow all moving parts to come to a complete stop before removing any guards or covers. Failure to do so will result in serious injury.

Before tensioning the belts, make sure the motor is shut off completely and the main switch is in "0" position. Disconnect the power cord. Failing to do so can cause serious injury.



WARNING! Do not for any reason adjust the motor drive belts with the motor running. Doing so may result in serious injury.



CAUTION! Never apply belt dressing as this will damage the belt and cause early failure.

1. Check the drive belts for wear every 8 hours of operation and more frequently during the first 24-48 hours of operation. Tension or replace as necessary. Tension should be 14mm (0.551") deflection with 4 kG (40N) of force for new belts or 14mm (0.551") deflection with 2,7 kG (27N) of force for used belts. In case of damage of one belt, we recommend to replace all three belts.

To tension the drive belts:

- Unbolt and open the gearbox housing cover.
- Locate and loosen the mounting bolts which secure the motor plate to the edger weldment.
- Using adjustment bolts, tension or loosen the belts. Be sure to adjust the bolts evenly so the motor remains in alignment.



CAUTION! Do not over tighten the drive belt as it can cause premature belt and/or bearing failure.

CAUTION! Do not under-tighten the drive belt as it can cause one or all of the following damages: slippage of the belt on the drive pulley, binding or fetching up of the blades while in the cut, damage or bending of blades.

- Retighten the motor plate mounting bolts.
2. Close the gearbox housing cover and use the existing bolts to secure.

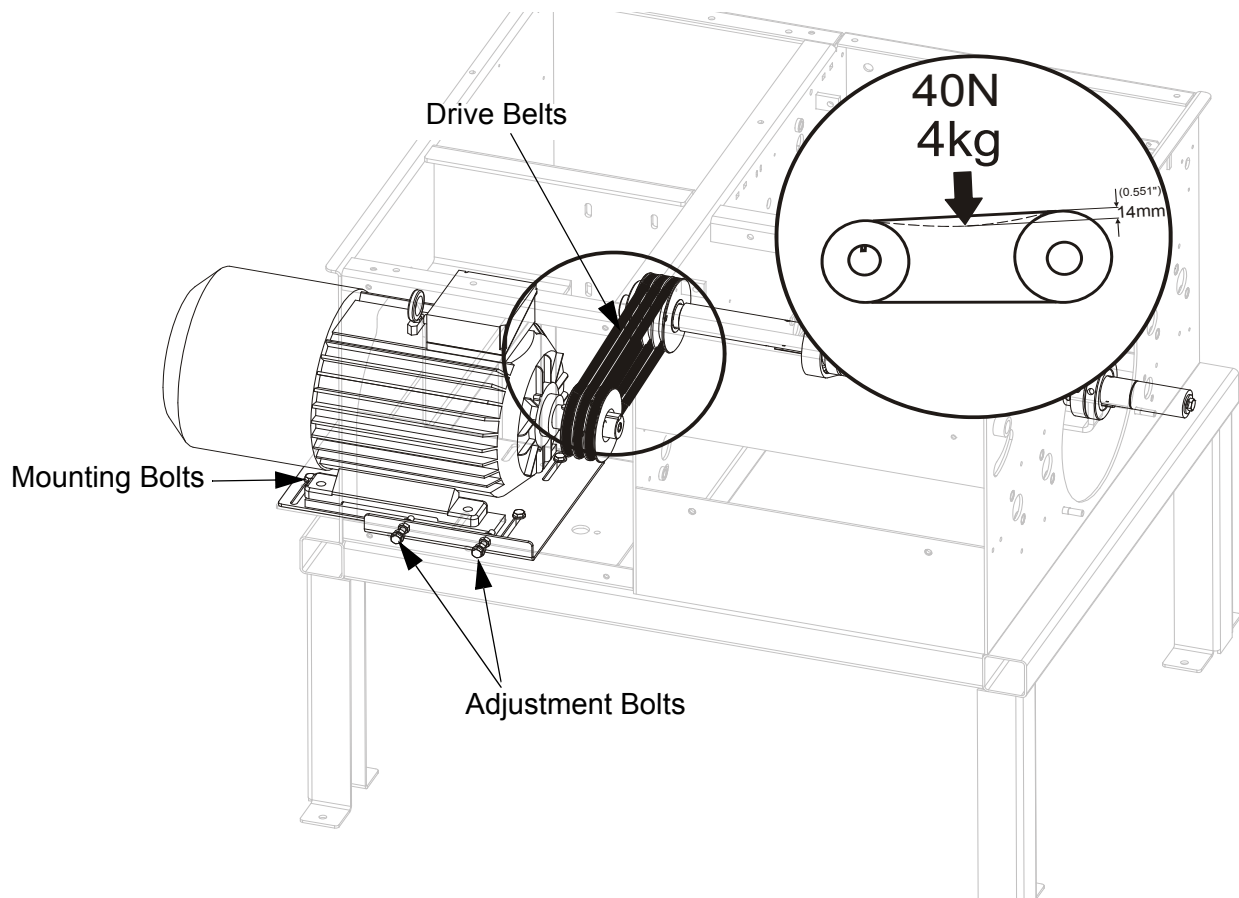


FIG. 6-3

6.3 Tensioning the Chains

Board Feed Drive Chains

Check the board feed drive chains for tension every 40 hours of operation and tension as necessary.

40

See Figure 6-4. To tension the drive chains, unbolt and open the gearbox housing cover.

- Loosen the chain tensioner socket bolt.
- Turn the tensioner to tighten the board feed chain.
- Tighten the the chain tensioner socket bolt.

- Retighten the gearbox mounting bolts and close and secure the gearbox housing cover.

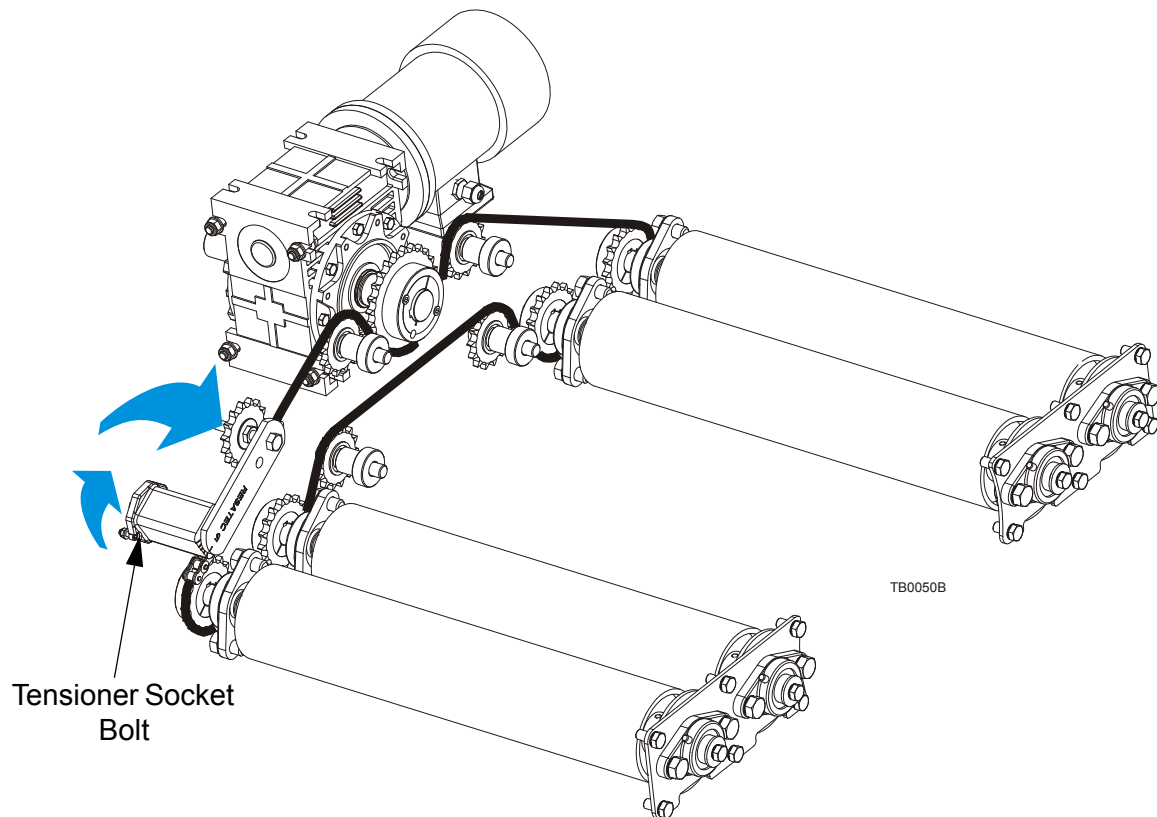


FIG. 6-4

Blade & Laser Positioning Chains

100

Check the blade and laser positioning chains for tension every 100 hours of operation and tension as necessary. The chains should have approximately 15mm (0.59") of slack. **NOTE:** The chain tension affects cutting accuracy.

See Figure 6-5. To tension the blade positioning chain, unbolt and open the gearbox housing cover. Loosen the locking bolts. Using adjustment bolts, tension the chain. After that, tighten the locking bolts.

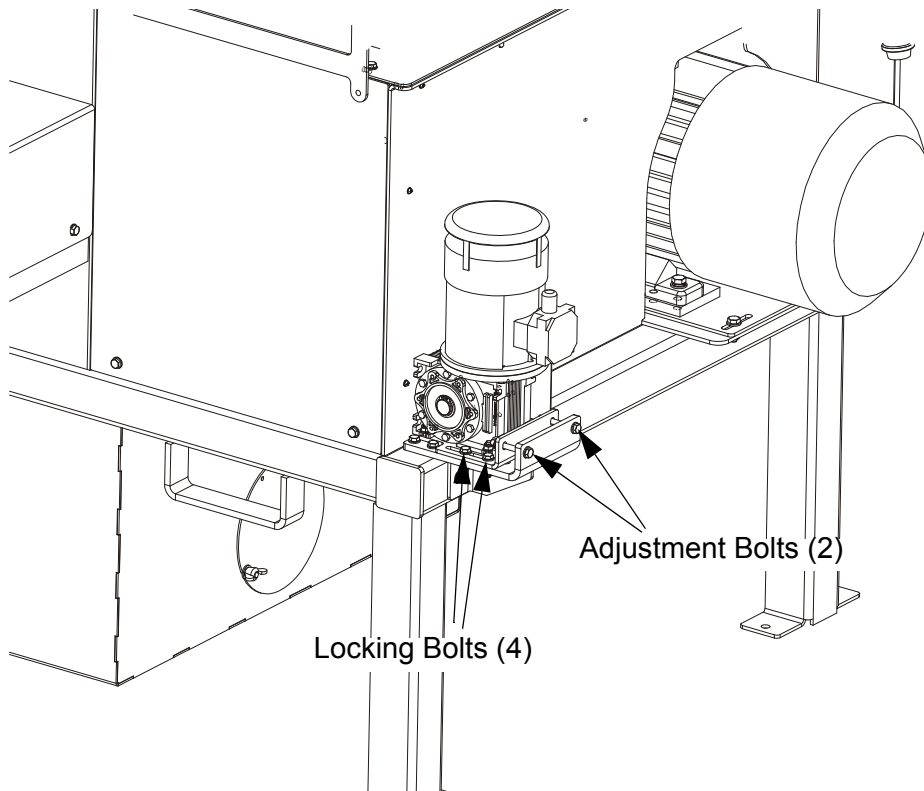


FIG. 6-5 EG300

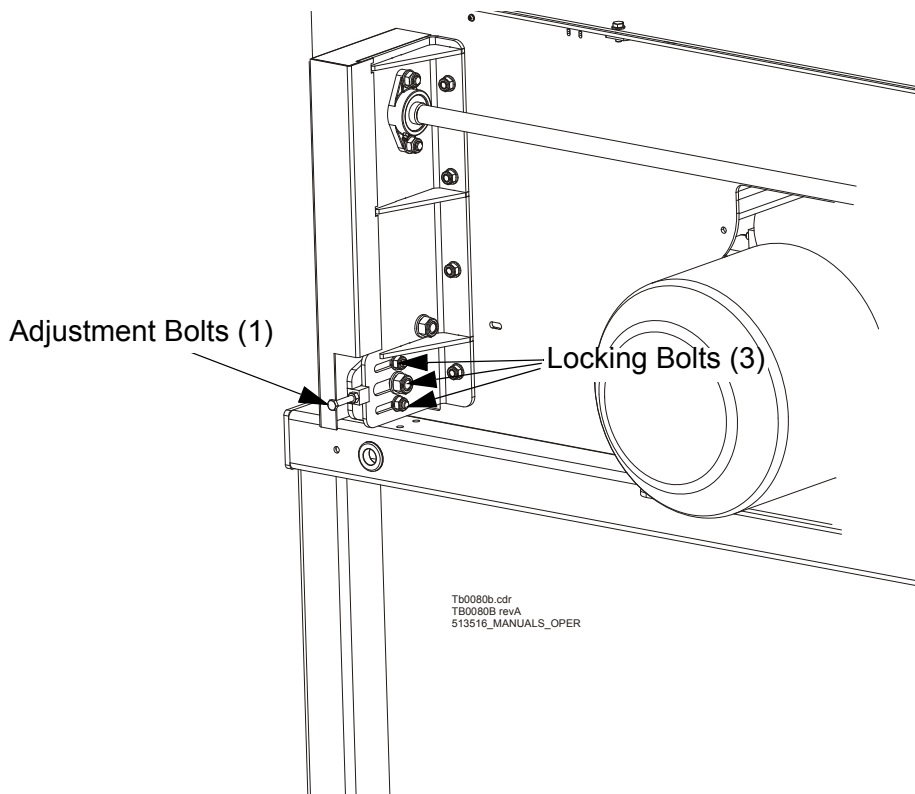


FIG. 6-5 EG250

See Figure 6-6. To tension the laser positioning chain (EG300 only), unbolt and remove the blade housing cover. Loosen the sprocket axle mounting bolt. Using adjustment bolt, tension the chain. After that, tighten the sprocket axle mounting bolt.

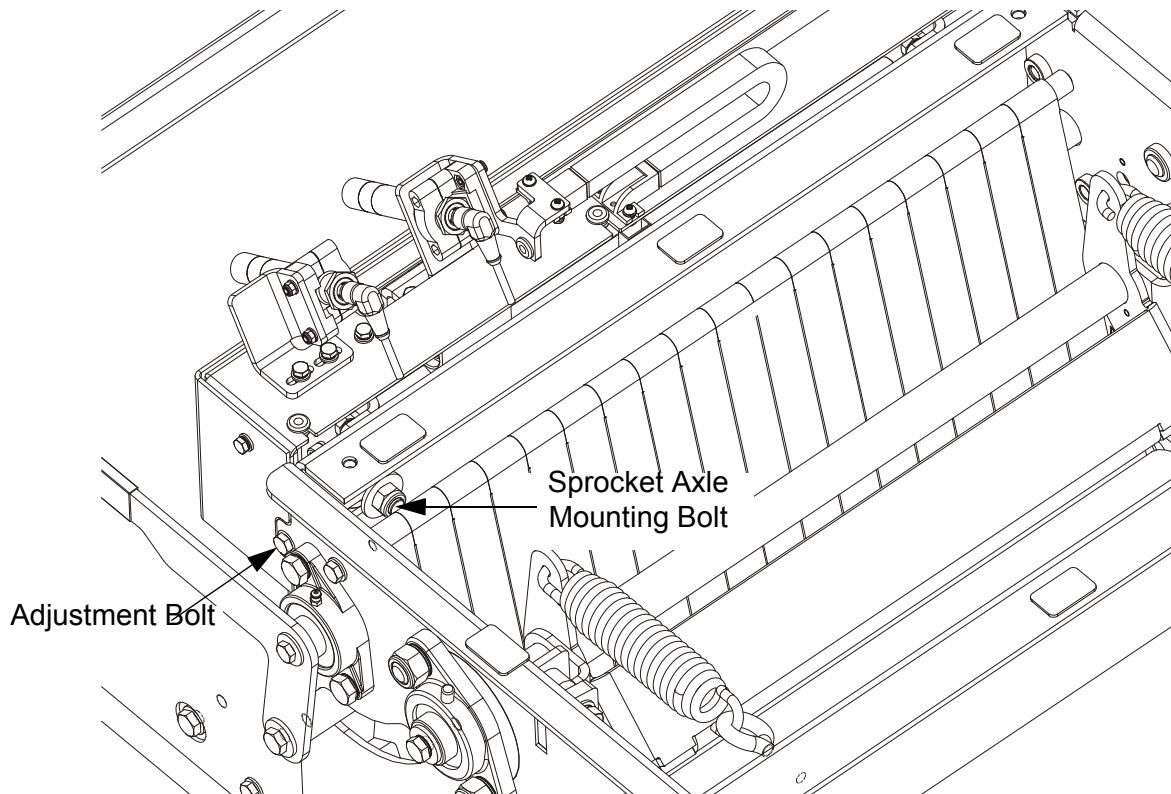


FIG. 6-6 EG300

6.4 Checking the Rollers

1. Check the hold-down rollers every 8 hours of operation. Remove any dirt or debris from the rollers. Make sure they spin freely, without much play. Replace the spring-loaded hold-down rollers as needed.
2. Check the feed rollers every 8 hours of operation. Clean any debris or sap buildup from the rollers with a wire brush. Replace the feed roller bearings if there is any play in the rollers.

6.5 Lubrication

1. Clean any debris from the blade drive shaft and every 8 hours of operation. Use a soft cloth to apply a dry graphite daily to ensure resistance-free motion and to prevent surface corrosion.
2. Lubricate the blade shaft bearings every 200 hours of operation with one to two pumps of lithium-based grease such as Shell Alvania No. 3. Do not overgrease.
3. Lubricate the anti-kickback shaft pivots every 200 hours of operation with a high-quality lithium-based grease such as Shell Alvania No. 3.

4. Lubricate the hold-down roller bearings every 200 hours of operation with a high-quality lithium-based grease such as Shell Alvania No. 3.
5. Apply anti-seize lubricant to the surfaces and threads of the blade arbors and locking nuts every blade change ([See Section 4.1](#)).

6.6 Anti-Kickback Fingers Maintenance

This machine has the potential for kick-backs. Kick-backs can cause the board to be suddenly and uncontrollably hurled towards the operator. Such action can result in severe injury or death.

If you are working with frozen boards or with boards that have protruding knots, the chance of kickbacks is increased.

The infeed opening of the Edger is equipped with anti-kickback fingers to help prevent kickback from occurring. To maintain the safety of your Edger, periodically inspect the machine to ensure all anti-kickback fingers are intact and undamaged and have a sharp point. Missing or damaged parts can affect the safety of the machine operator or bystanders and should be replaced immediately. Do not sharp the anti-kickback fingers! If they are dulled, replace them with new ones.



DANGER! Always ensure that there is a sharp point on the anti-kickback fingers before each use of the Edger.

Be sure anti-kickback fingers are free from obstruction and are in a downward position with lever released. Failure to do so may result in serious injury.

6.7 Alignment



WARNING! Before performing service near moving parts such as blades, pulleys, motors, belts and chains, first turn the main switch to the "0" position and disconnect the power cord.



WARNING! Coastdown Required. Always shut off the motor and allow all moving parts to come to a complete stop before removing any guards or covers. Do NOT operate with any guards or covers removed.



WARNING! Visible and/or invisible laser radiation. Avoid eye or skin exposure to direct or scattered radiation.



DANGER! The operator must not for any reason perform any laser maintenance or repair work.

Fixed Blade, Laser and Fence Alignment

1. The position of the fixed blade is adjusted by loosening the blade locking nuts just sufficiently to be able to slide the blade on the shaft.
2. Set the fence to the maximum width, so that the pin is secured in the first hole.

3. Place a 60mm wide bar along the outside edge of the blade and so that the bar is aligned with the 0 mark on the scale and the bar meets the fence. [See Figure 6-7.](#)
4. Tighten the blade clamps and check the alignment again.
5. Check if the fixed blade laser indicates the left edge of the bar. If not, loosen the laser mounting bolts and slide the laser as necessary. Next, tighten the mounting bolts.

See Figure 6-7.

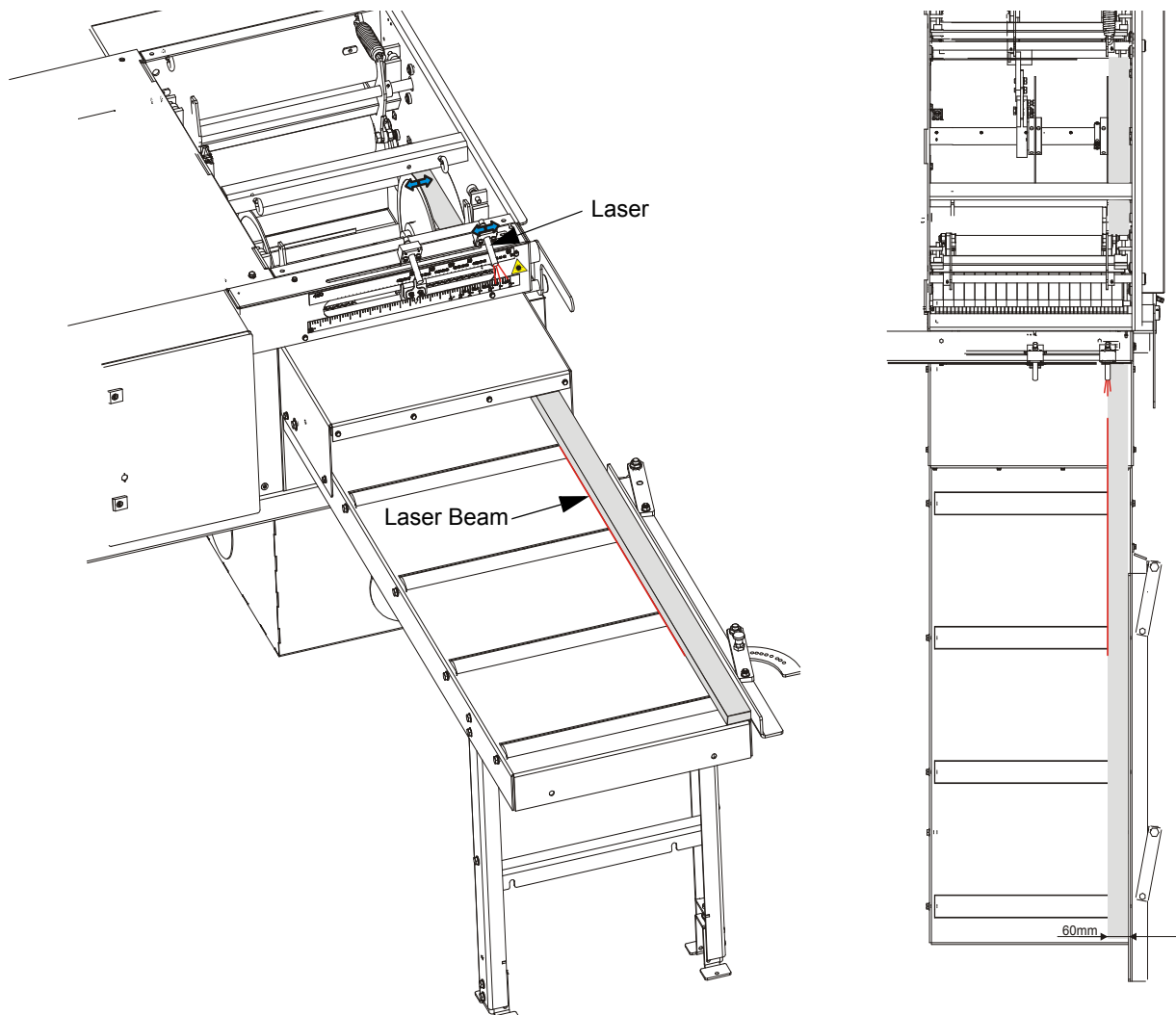



FIG. 6-7

Adjustable blade and its laser indicator alignment

6. To position the adjustable blade, set the blade to 200mm (7.874") using  buttons or and scale (EG300) or turn the networks handle as necessary, and release the pin into the appropriate labeled hole (EG250). Measure from the inside of the fixed blade to the inside of the movable blade. If necessary, loosen the movable blade arm and slide the blade assembly on the shaft until the blades are 200mm (7.874") apart. Retighten the blade arm. If the adjustable blade has been aligned, it is necessary to perform the auto-calibration procedure and enter the real blade width to Setwork

Controller ([See Section 4.2](#)) (EG300 only).

Correct the scale indicator position if necessary (EG300 only).

See Figure 6-8.

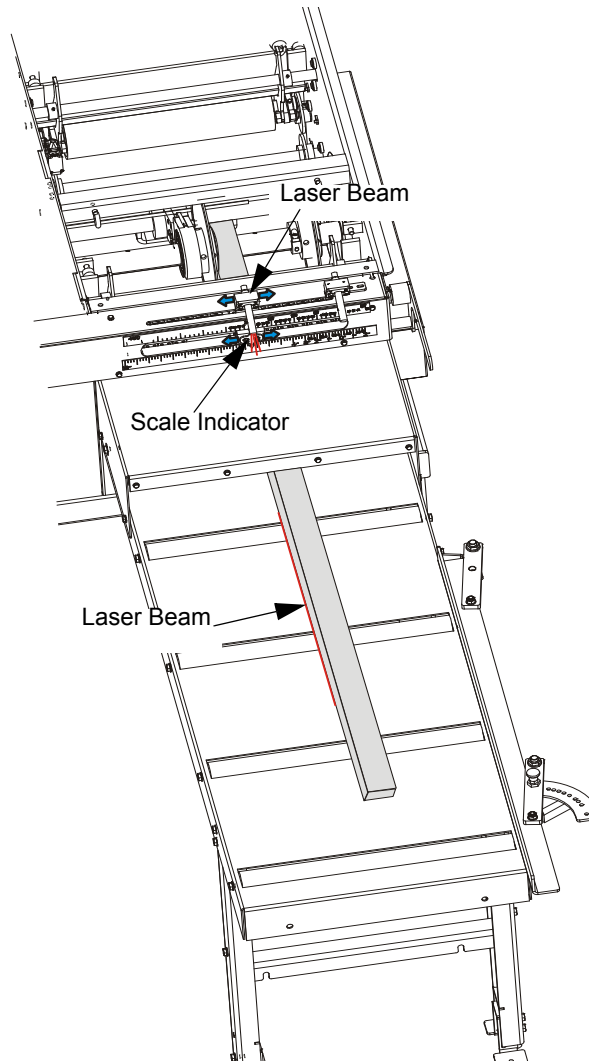
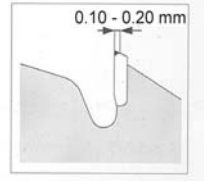


FIG. 6-8

6.8 Blade Sharpening

The blade teeth should be sharpened as soon as their dullness, measured as shown in the figure on the right, is .10 -.20 mm (0.0039 - 0.0078").

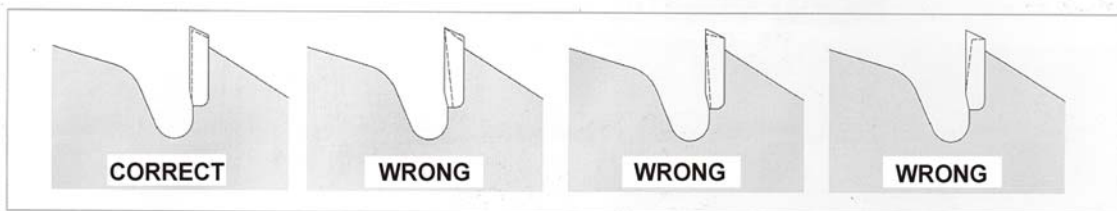
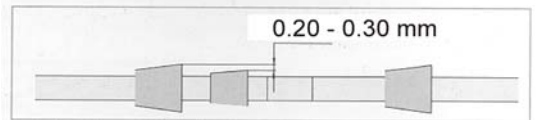


Use diamond grinding wheels for sharpening the blades. Apply intensive cooling during sharpening to prevent overheating and structural changes in the cemented carbide tips.

Blades with hard tips (GLOTECH series) must be intensively cooled with water during sharpening. Failure to do so will result in cracks in the tips.

In Multix type blades the carbide tips should be .4 - .6 mm (0.0157 - 0.0236") wider than the carbides in the wiper slots. (See the figure below.) If this difference is not kept, it will result in disk overheating and – in extreme case – in cracks in the blade gullets. The carbide plates in the wiper slots remove sawdust and splinters from the kerf. They also cause sawdust to be blown away.

When sharpening, maintain the proper tooth geometry as indicated in the figure below.



6.9 Using the Blades

The surfaces of spacers should be clean and flat against one another. The blade should not rotate on the shaft during sharpening as it will lead to its damage.

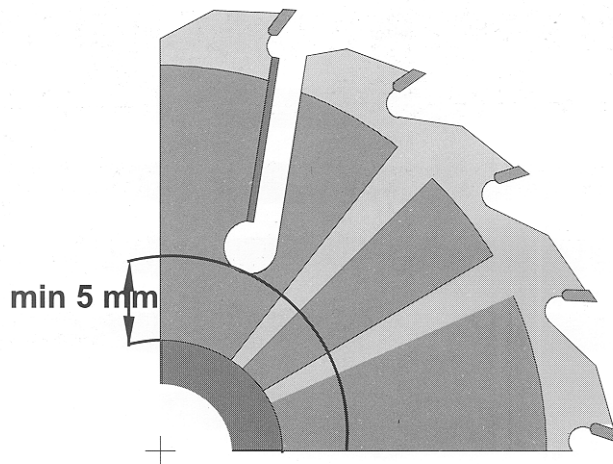
Do not set teeth with cemented carbide tips!

Do not make any modifications to the blade teeth!

Do not operate the machine if any of the blades is dull. Using dull blades causes stronger cutting resistance, decreased cut accuracy and may result in blade burning and even cracks in the gullets and the wiper slots.

Do not exceed the maximum blade rotation speed recommended for a given type of material!

When using Multix type blades, keep at least 5 mm (0.197") spacing between the bottom of the wiper slot and the spacer outer diameter.



To remove any sawdust buildup from the blade disk, preferably use a solution of hot water and soda or another cleaner.

Any blades which are not used for a longer period of time should be properly maintained.

The blades should be used in accordance with safety rules and their application and with machines in good operating condition and equipped with suitable safety guards.

6.10 EG300 Safety Devices Inspection (CE¹ version only)

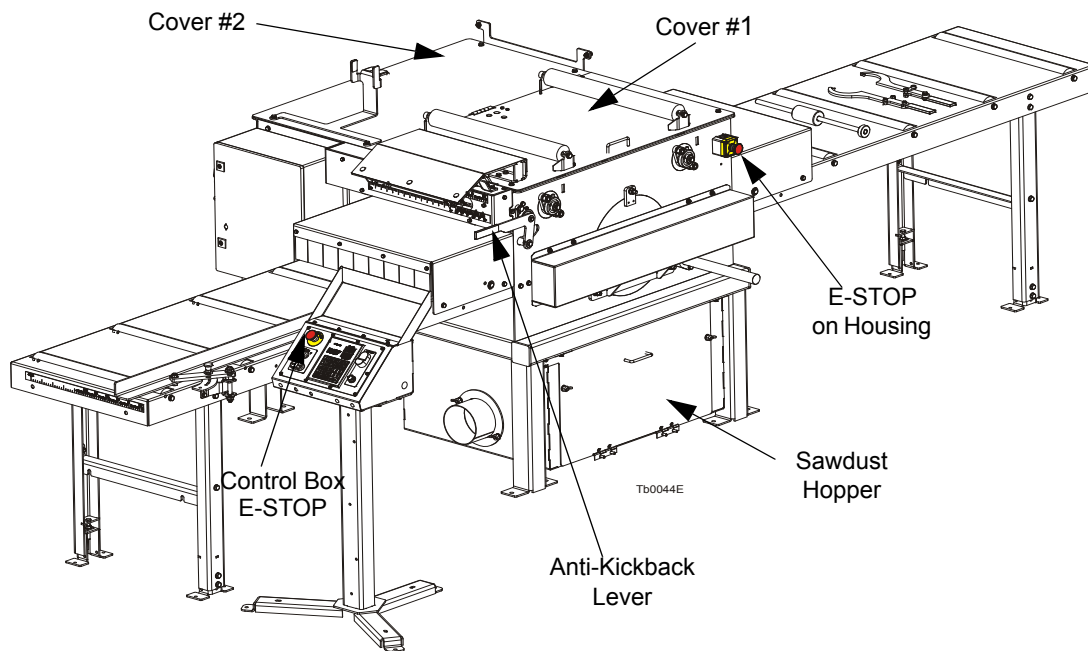


FIG. 6-9

The following safety devices on the EG300 Edger must be inspected before every shift:

- E-STOP button circuit - control box
- E-STOP button circuit - housing weldment
- Safety switch circuit - cover #1
- Safety switch circuit - cover #2
- Safety switch circuit - sawdust hopper
- Blades minimum distance safety switch
- Blades maximum distance safety switch
- Safety switch disabling blades distance setting after starting sawing
- Safety switch circuit - anti-kickback fingers (two persons)
- Motor brake and its circuit

1. Control Box E-STOP Button Circuit Inspection

- Start the main motor;

1. CE - mandatory conformity marking for products sold in the European Union

- Push the E-STOP button located on the control box. The motor should stop. It should not be possible to restart the motor until the E-STOP is released.

2. Housing E-STOP Button Circuit Inspection

- Start the main motor;
- Push the E-STOP button located on the edger housing. The motor should stop. It should not be possible to restart the motor until the E-STOP is released.

3. Cover Safety Switch Circuit Inspection - Cover #1

- Start the main motor;
- Open the cover #1;
- The main motor should stop;
- Try to start the motor using the START button. It should not be possible to start the motor.
- Close the cover #1;
- The motor should remain turned off.



FIG. 6-10

3. Cover Safety Switch Circuit Inspection - Cover #2

- Start the main motor;
- Open the cover #2;
- The main motor should stop;
- Try to start the motor using the START button. It should not be possible to start the motor.
- Close the cover #2;
- The motor should remain turned off.

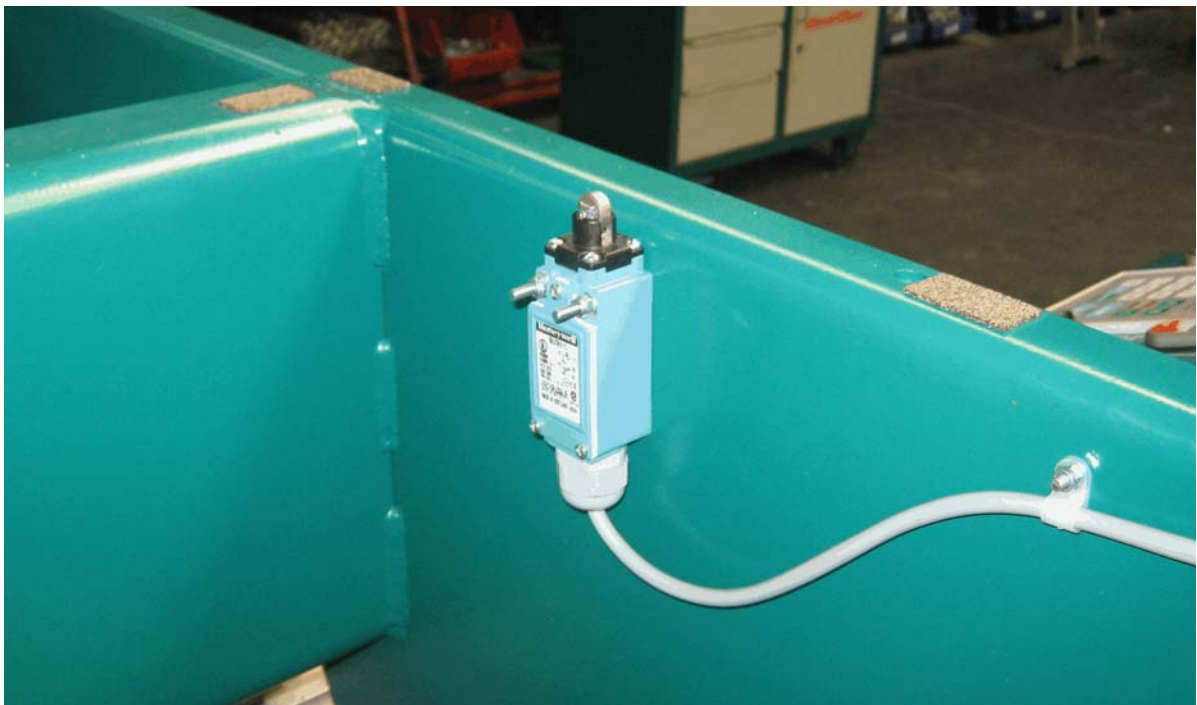


FIG. 6-11

4. Sawdust Hopper Safety Switch Circuit Inspection

- Start the main motor;
- Open the sawdust hopper cover;
- The main motor should stop;
- Try to start the motor using the START button. It should not be possible to start the motor.
- Close the sawdust hopper cover;
- The motor should remain turned off.

5. Minimum Blades Distance Safety Switch Inspection

- Press and hold the LEFT arrow on the control box until the blades distance setting is stopped;

- Repeat the above step using the LEFT arrow on the Networks control panel.

6. Maximum Blades Distance Safety Switch Inspection

- Press and hold the RIGHT arrow on the control box until the blades distance setting is stopped;
- Repeat the above step using the RIGHT arrow on the Networks control panel.

7. Inspection of the Safety Switch Disabling Blades Distance Setting After Starting Sawing

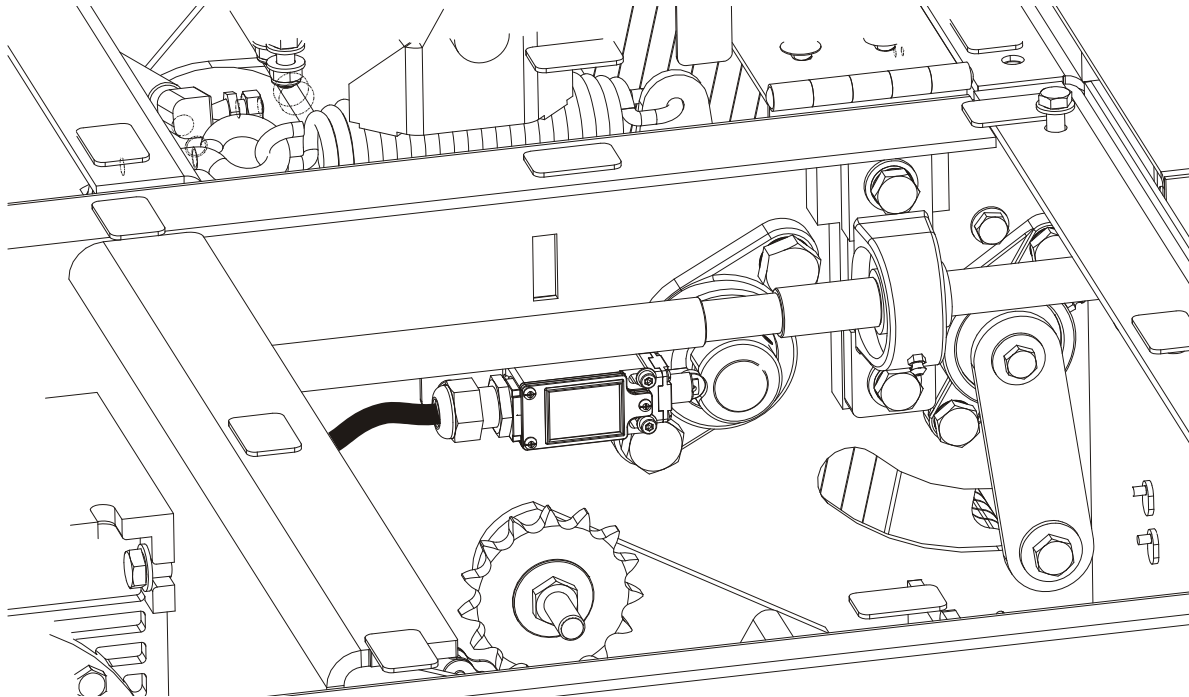


FIG. 6-12

- Start the main motor;
- Start the board feed;
- Check if it is possible to move the blade in and out using the appropriate button on the control box and then on the Networks;

- Push down the lever shown below;

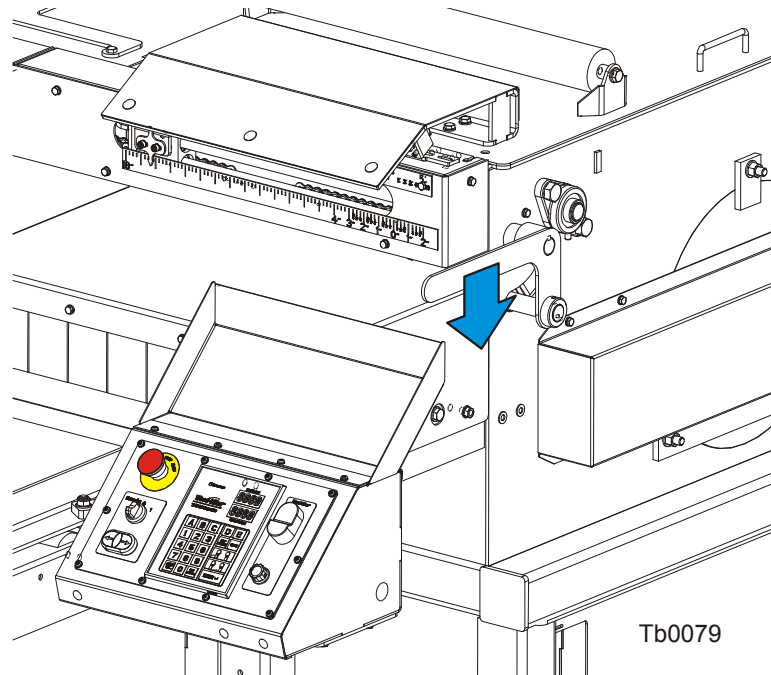
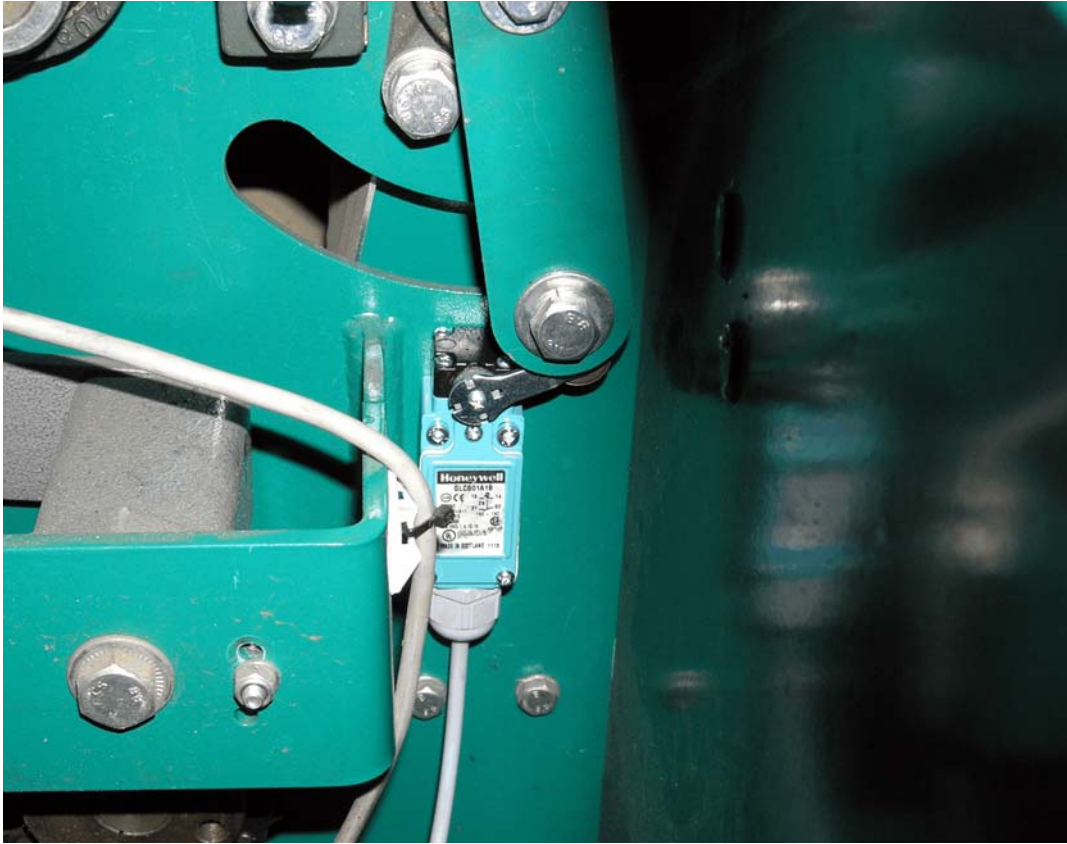


FIG. 6-13

- Check again if it is possible to set the blades distance using the appropriate button on the control box and on the Setworks.

8. Safety Switch Circuit Inspection - Anti-kickback Fingers (Two Persons)**FIG. 6-14**

- Start the main motor;

- Push the anti-kickback lever (shown below) down to raise the anti-kickback fingers;

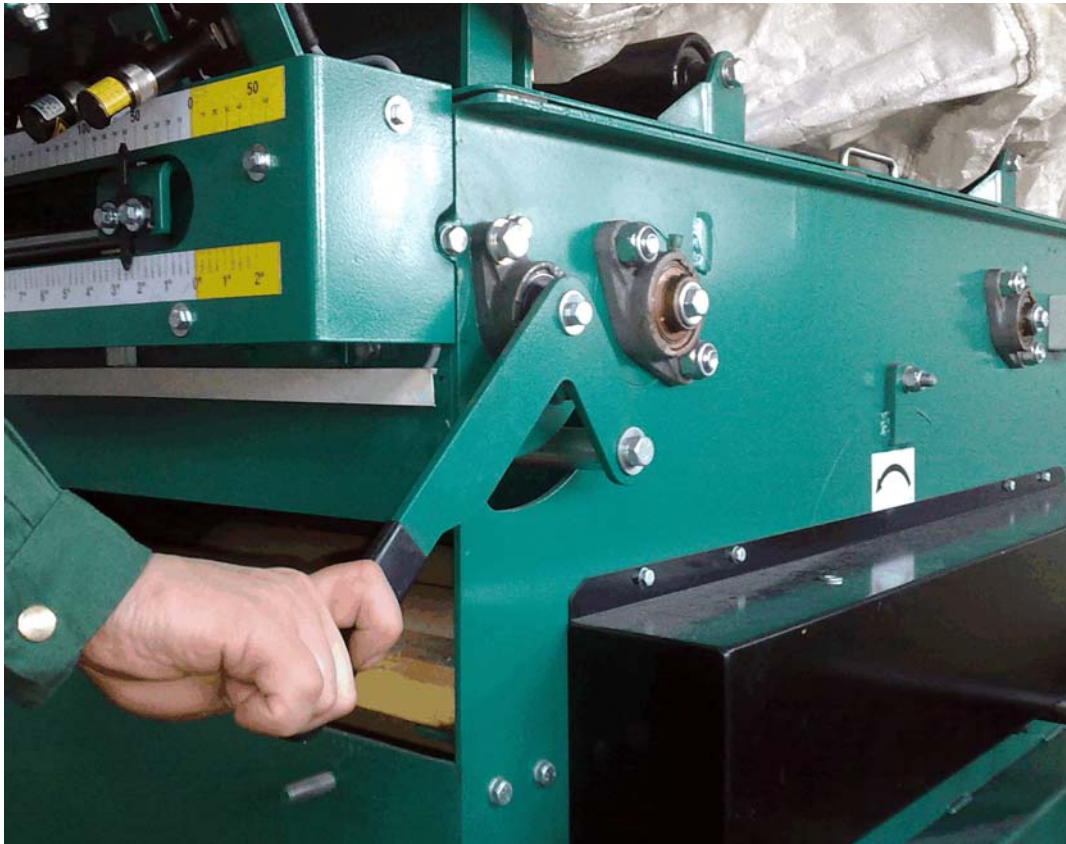


FIG. 6-15

- The main motor should stop;
- With the anti-kickback fingers raised, try to start the motor using the START button. It should not be possible to start the motor.

- Lower the anti-kickback fingers to their working position.

**FIG. 6-16**

9. Motor Brake and its Circuit Inspection

- Start the motor. Stop the motor by pushing the STOP button. Measure the braking time.
- Start the motor. Stop the motor by turning the key switch to the “0” position. Measure the braking time.
- Start the motor. Stop the motor by turning the key switch to the “H” position. Measure the braking time.
- The motor braking time should be shorter than 10 seconds. If it is longer, adjust or replace the brake linings. See the motor manual.

6.11 EG250 Safety Devices Inspection (CE¹ version only)

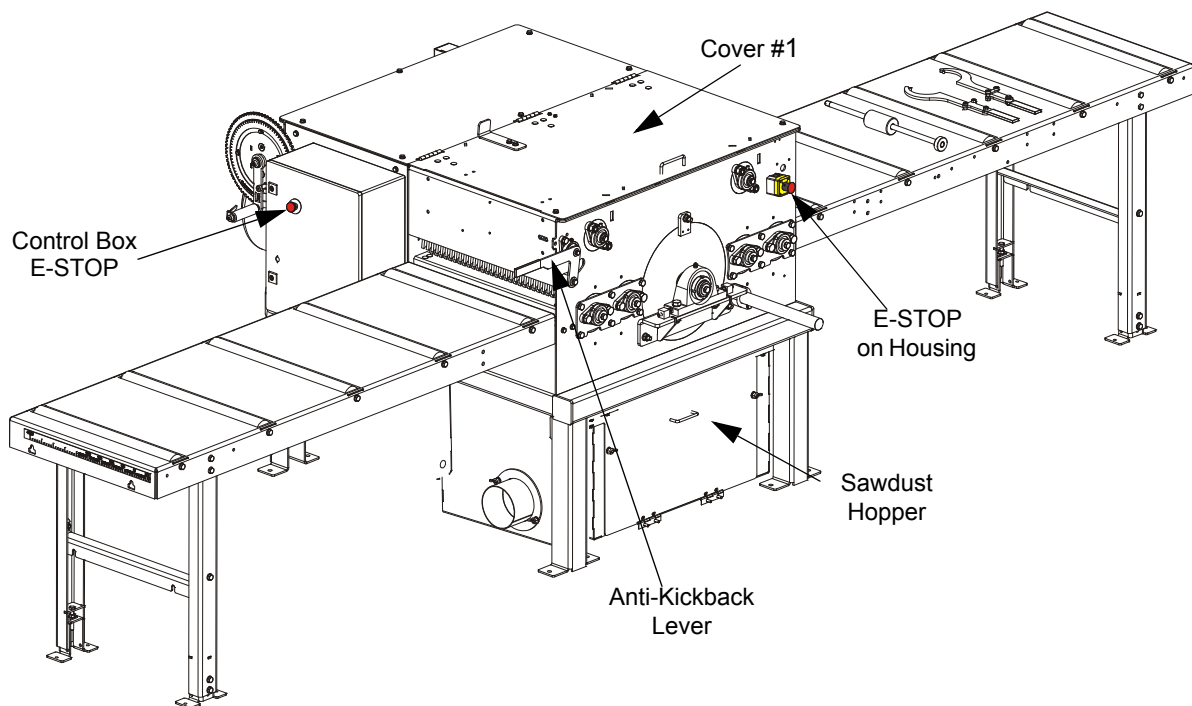


FIG. 6-17

The following safety devices on the EG300 Edger must be inspected before every shift:

- E-STOP button circuit - control box
- E-STOP button circuit - housing weldment
- Safety switch circuit - cover
- Safety switch circuit - sawdust hopper
- Anti-Kickback Safety switch circuit - anti-kickback fingers (two persons)
- Motor brake and its circuit

1. Control Box E-STOP Button Circuit Inspection

- Start the main motor;
- Push the E-STOP button located on the control box. The motor should stop. It should not be possible to restart the motor until the E-STOP is released.

2. Housing E-STOP Button Circuit Inspection

- Start the main motor;

1. CE - mandatory conformity marking for products sold in the European Union

- Push the E-STOP button located on the edger housing. The motor should stop. It should not be possible to restart the motor until the E-STOP is released.

3. Cover Safety Switch Circuit Inspection

- Start the main motor;
- Open the cover ;
- The main motor should stop;
- Try to start the motor using the START button. It should not be possible to start the motor.
- Close the cover;
- The motor should remain turned off.

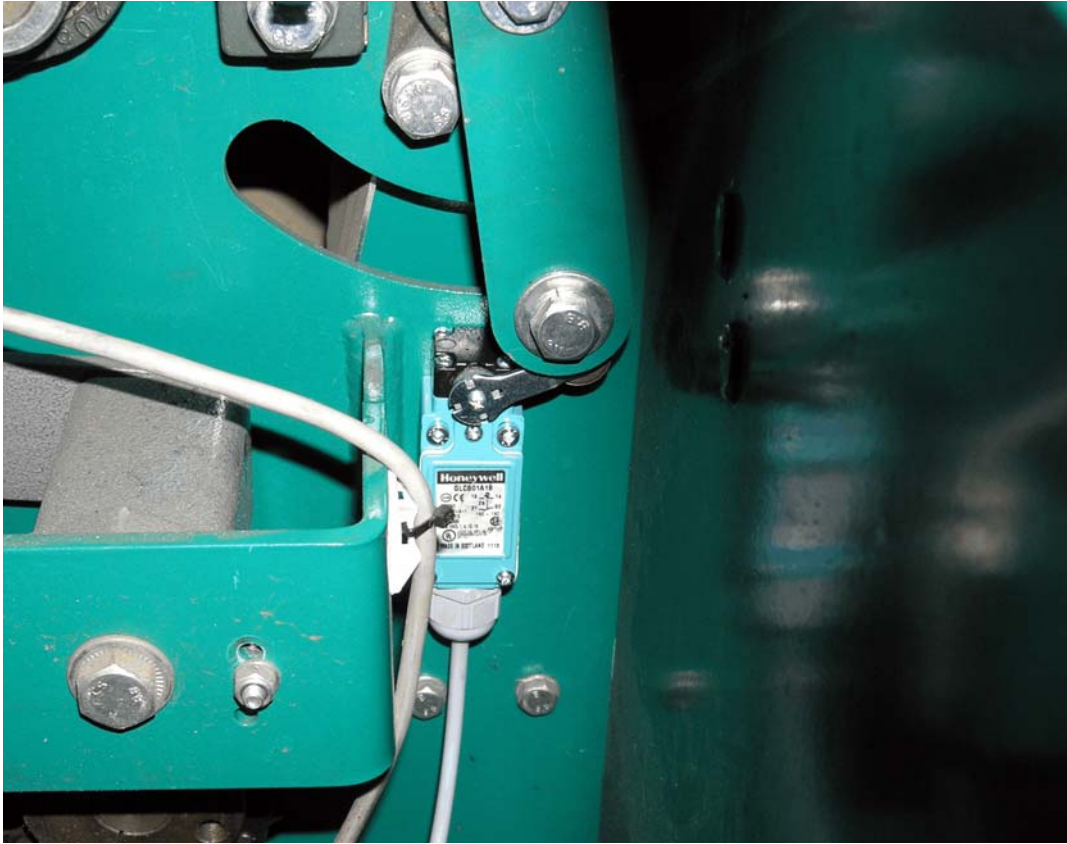


FIG. 6-18

4. Sawdust Hopper Safety Switch Circuit Inspection

- Start the main motor;
- Open the sawdust hopper cover;
- The main motor should stop;
- Try to start the motor using the START button. It should not be possible to start the motor.

- Close the sawdust hopper cover;
- The motor should remain turned off.

8. Safety Switch Circuit Inspection - Anti-kickback Fingers (Two Persons)**FIG. 6-19**

- Start the main motor;

- Push the anti-kickback lever (shown below) down to raise the anti-kickback fingers;



FIG. 6-20

- The main motor should stop;
- With the anti-kickback fingers raised, try to start the motor using the START button. It should not be possible to start the motor.

- Lower the anti-kickback fingers to their working position.



FIG. 6-21

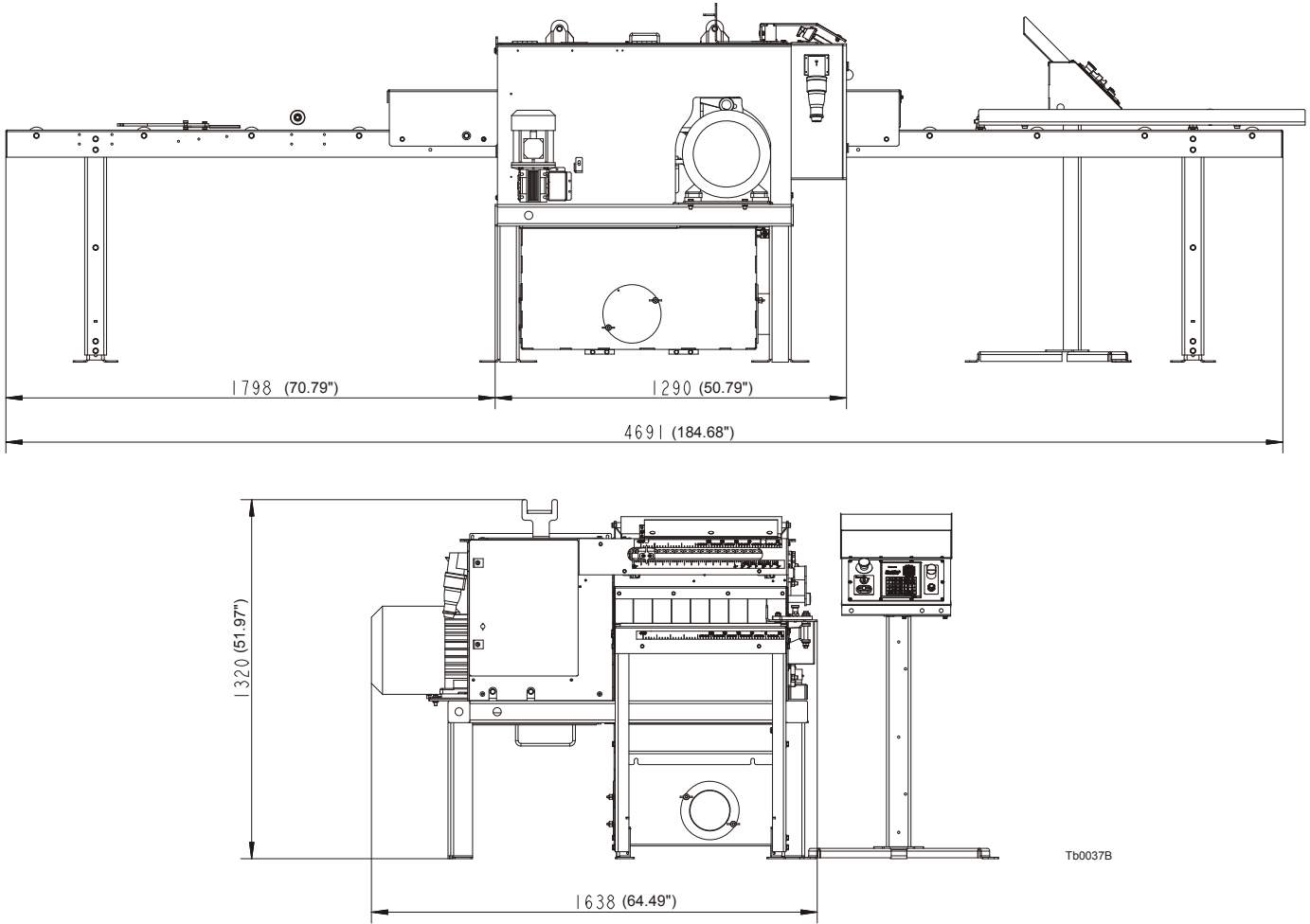
9. Motor Brake and its Circuit Inspection

- Start the motor. Stop the motor by pushing the STOP button. Measure the braking time.
- Start the motor. Stop the motor by turning the key switch to the “0” position. Measure the braking time.
- Start the motor. Stop the motor by turning the key switch to the “H” position. Measure the braking time.
- The motor braking time should be shorter than 10 seconds. If it is longer, adjust or replace the brake linings. See the motor manual.

SECTION 7 SPECIFICATIONS

7.1 Overall Dimensions

See Figure 7-1. The major dimensions of the EG300 Edger are shown below (dimensions are in millimeters and inches).



Tb0037B

FIG. 7-2

See Table 7-1 The overall dimensions of the Edger are listed in the table below.

| | |
|---------------|-------------------|
| Weight | 988 kg (2178 lb) |
| Height | 1320 mm (51.97") |
| Width | 1638 mm (64.49") |
| Length | 4691 mm (184.68") |

TABLE 7-1

7 SPECIFICATIONS

Overall Dimensions

See Figure 7-3. The major dimensions of the EG250 Edger are shown below (dimensions are in millimeters and inches).

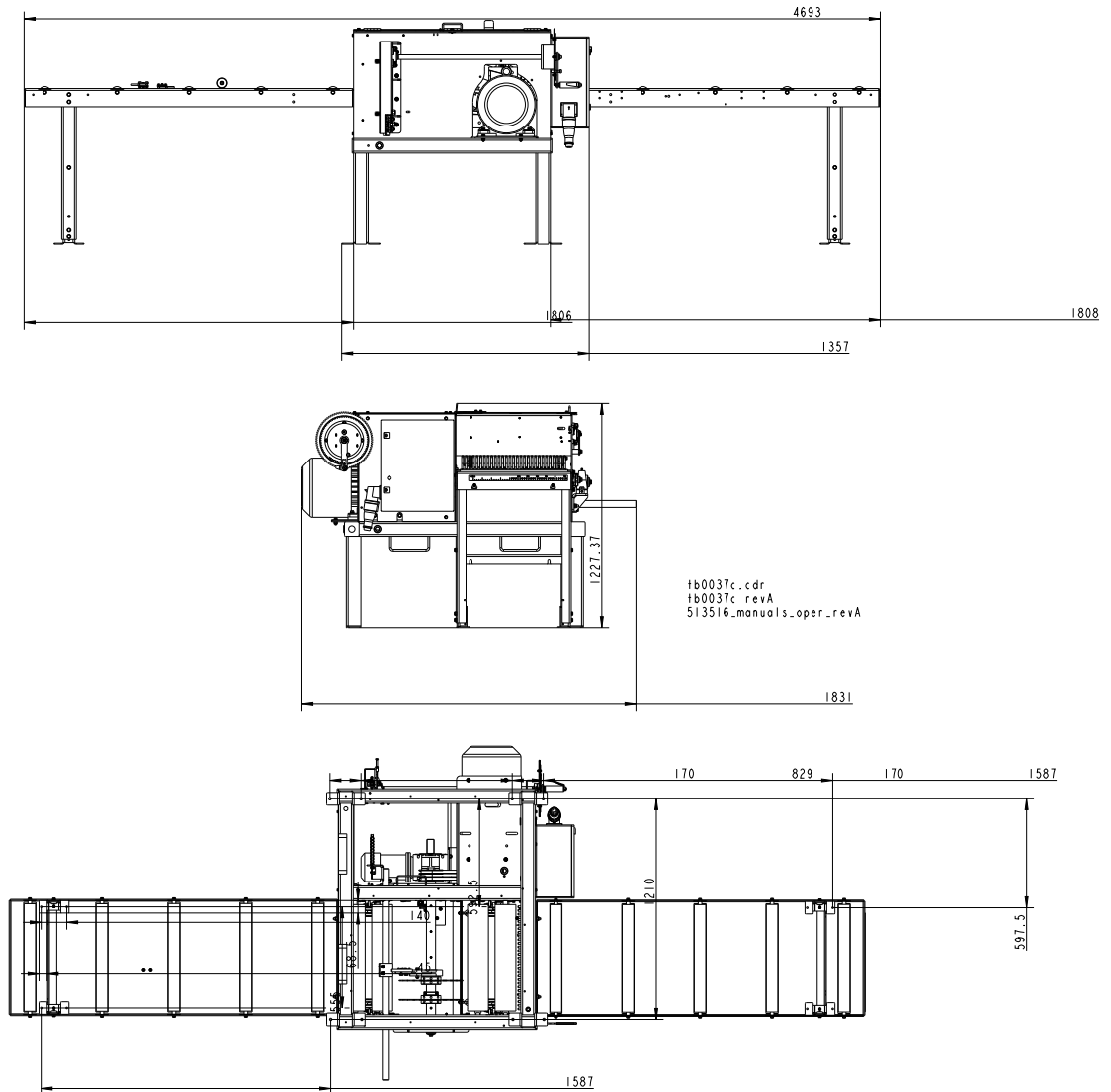


FIG. 7-4

7.2 Multirip Edger Specifications

See Table 7-2 The power option specifications of the Wood-Mizer Edger is listed below.

| | Motor Specifications (CE and U.S.) | Motor Specifications (CE and U.S.) | Motor Specifications |
|----------------------------|--|--|---------------------------|
| Motor Type | E20 Electric Motor | E25 Electric Motor | E25 Electric Motor |
| Manufacturer | Siemens, Germany | Siemens, Germany | Siemens, Germany |
| Voltage | 400V, 460V | 400V, 460V | 230V |
| Maximum Current | 26.5 A | 33,5 | 56,5 |
| RPM | 2940 RPM@50Hz 3520 RPM@60Hz | 2940 RPM@50Hz 3520 RPM@60Hz | 2940 RPM@50Hz |
| Rated Power | 15kW (20HP)@50Hz 17,3kW (23,5HP)@60Hz | 18.5kW (25HP)@50Hz 21,3kW (29HP)@60Hz | 18.5kW (25HP)@50Hz |
| Manufacturer Part # | 1LA7164-2AA60 | 1LA7166-2AA60 | 1LA7166-2AA10-Z |

TABLE 7-2

See Table 7-3 The noise level of the Edger is given below.^{1 23}

| | Engaged |
|---|-----------|
| Edger Equipped With E20 Electric Motor | 84 dB (A) |

TABLE 7-3

1. The noise level measurement was taken in accordance with PN-EN ISO 3746 Standard. Value for associated uncertainty K=4dB.
2. The measured values refer to emission levels, not necessarily to noise levels in the workplace. Although there is a relation between emission levels and exposure levels, it is not possible to determine with certainty if preventives are needed or are not needed. The factors affecting a current level of noise exposure during work are inter alia room characteristics and characteristics of other noise sources, e.g. number of machines and machining operations nearby. Also, the permissible exposure level value may vary depending on country. This information enables the machine's user to better identify hazards and a risk.
3. **IMPORTANT!** The total value of hand-arm vibration the operator may be exposed to does not exceed 2.5 m/s². The highest root mean square value of weighted acceleration to which the whole operator's body is subjected does not exceed 0.5 m/s².

7 SPECIFICATIONS

Multirip Edger Specifications

See Table 7-4 Other specifications of the Edger are listed below.

| | |
|--------------------------------|--------------------|
| Number of Blades | 2 - 5 |
| Blade Diameter | 350 mm (13.78") |
| Feed Speed | 0 - 25m(82 ft)/min |
| Minimum Board Length | 700 mm (27.56") |
| Minimum Board Thickness | 10 mm (0.394") |
| Maximum Board Thickness | 60 mm (2.362") |
| Maximum Egding Width | 420 mm (16.535") |
| Maximum Material Width | 550 mm (21.65") |

TABLE 7-4

7.3 Dust Extractor Specifications

See Table 7-5 Specifications of the dust extractors used on the Edger are listed below.¹

| | |
|---|---|
| Airflow | 1200 m ³ /h 3937 ft ³ /h |
| Inlet diameter | 150 mm (5.905") |
| Motor power | 1,5 kW |
| Number of sacks | 2 pcs |
| Sack capacity | 0.25 m ³ 0.82 ft ³ |
| Weight | 110 kg (242.5 lb) |
| Pressure drop | 1,5kPa (0.22 psi) ¹ |
| Recommended conveying air velocity in the duct | 20 m/s 65.6 ft/s |

TABLE 7-5

¹ The pressure drop between the inlet of the capture device and the connection to the CADES should be maximum 1,5 kPa (for the nominal air flow rate). If the pressure drop exceeds 1,5 kPa the machine might not be compatible with conventional CADES.



IMPORTANT! The dust extractor hoses must be grounded or made with materials not accumulating electrostatic charge.



CAUTION! Always turn on the dust extractor before starting the machine

1. External chip and dust extraction equipment with fixed installations are dealt with in EN 12779:2004+A1:2009

SECTION 8 ELECTRICAL INFORMATION (CE ONLY)

8.1 Electrical Diagram EG300EB_S (230V 50/60 Hz)

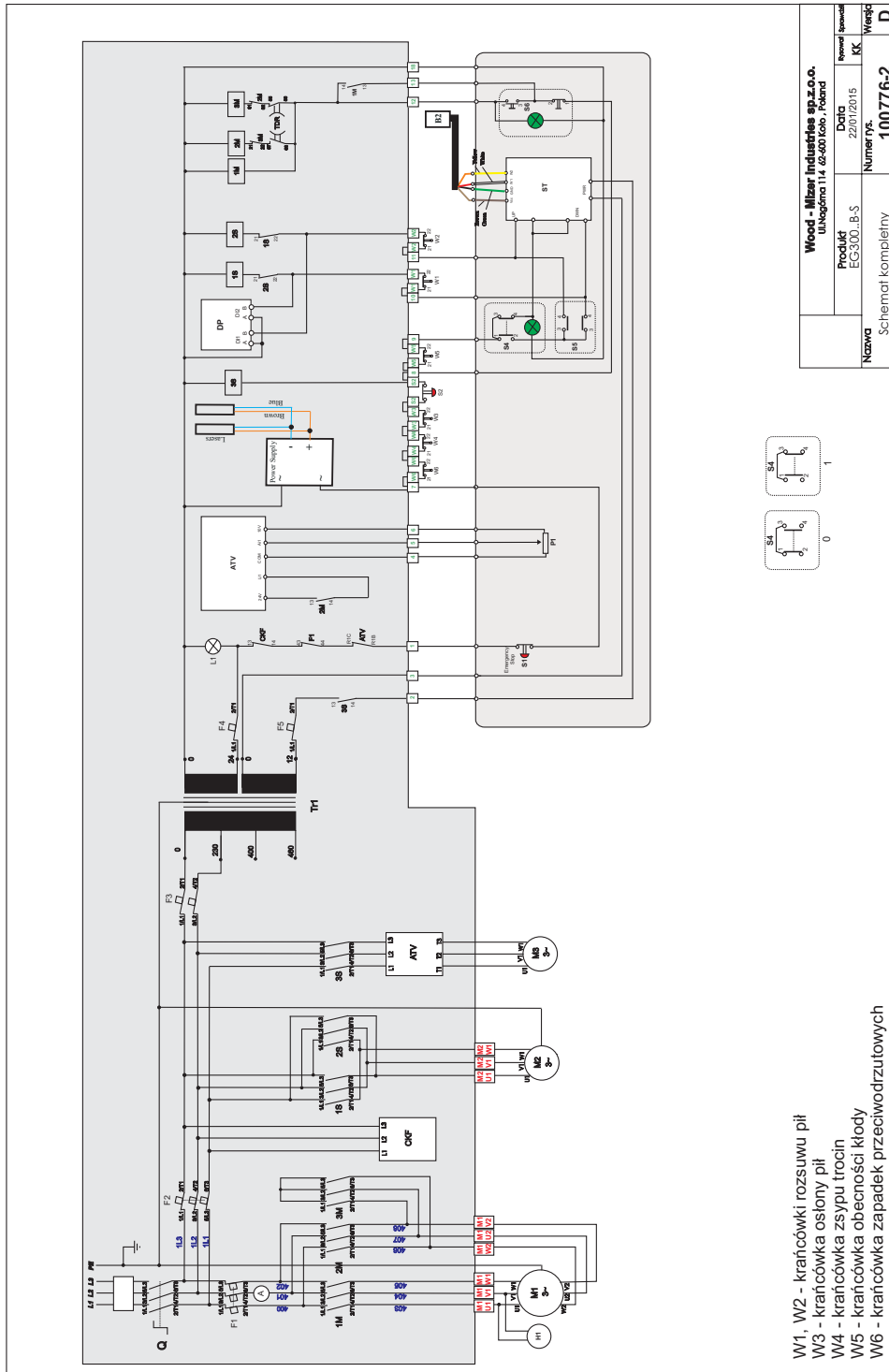


FIG. 8-1

8.2 Electrical Diagram EG300EB (230V 50/60 Hz)

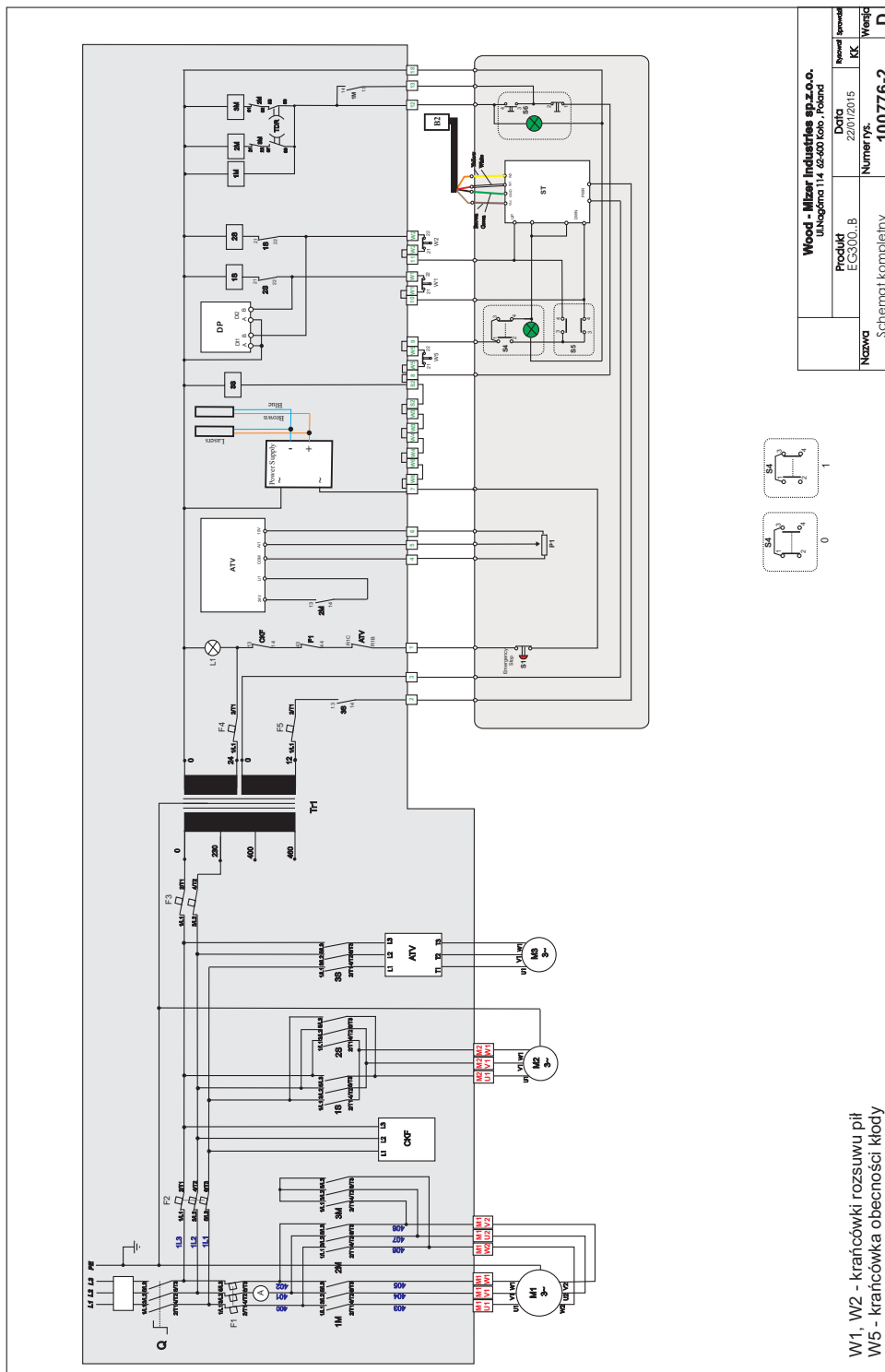


FIG. 8-2

8.3 Electrical Diagram EG300EC (460V 50/60 Hz)

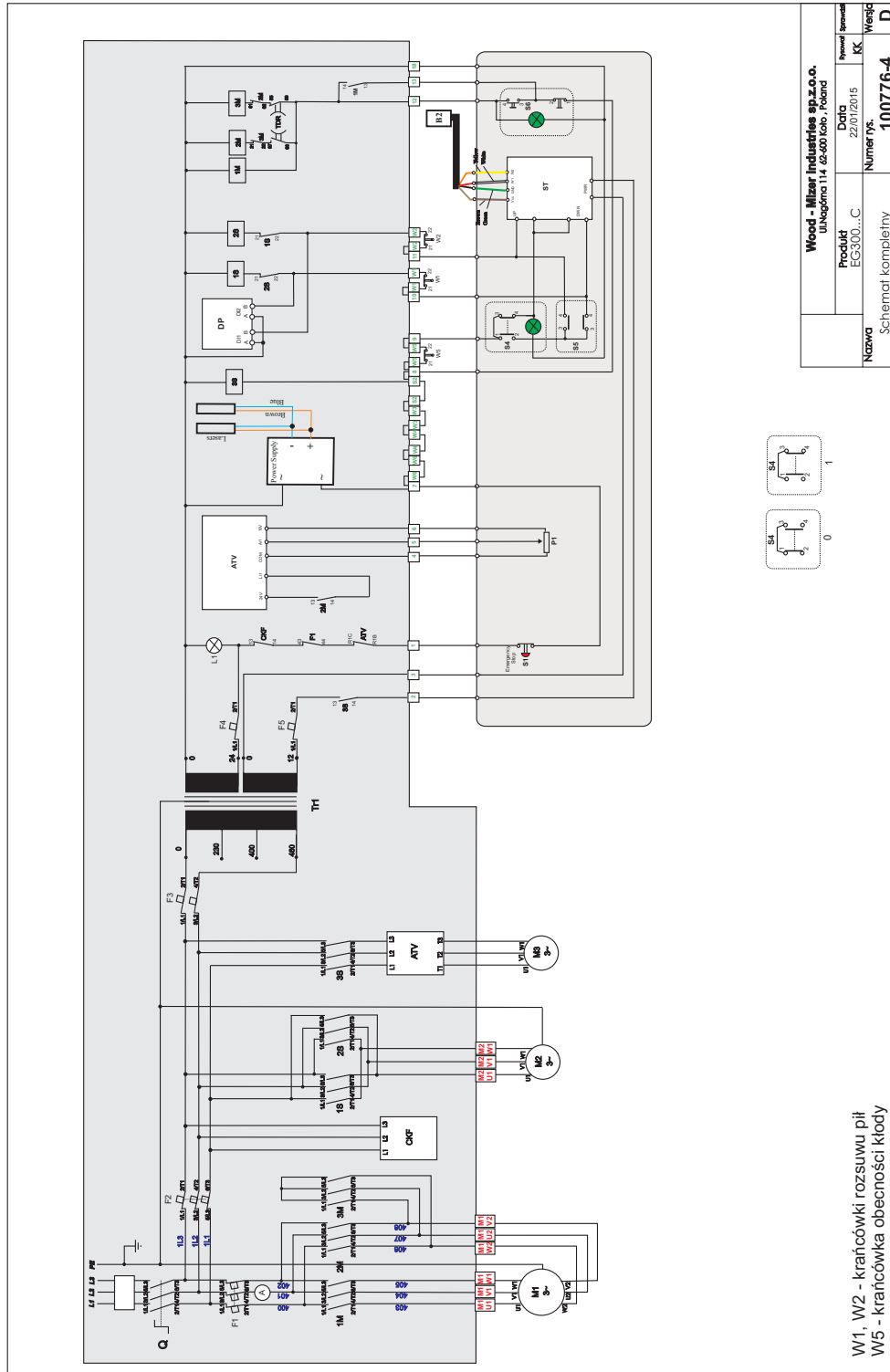


FIG. 8-3

8.4 Electrical Diagram EG300EH (400V 50/60 Hz)

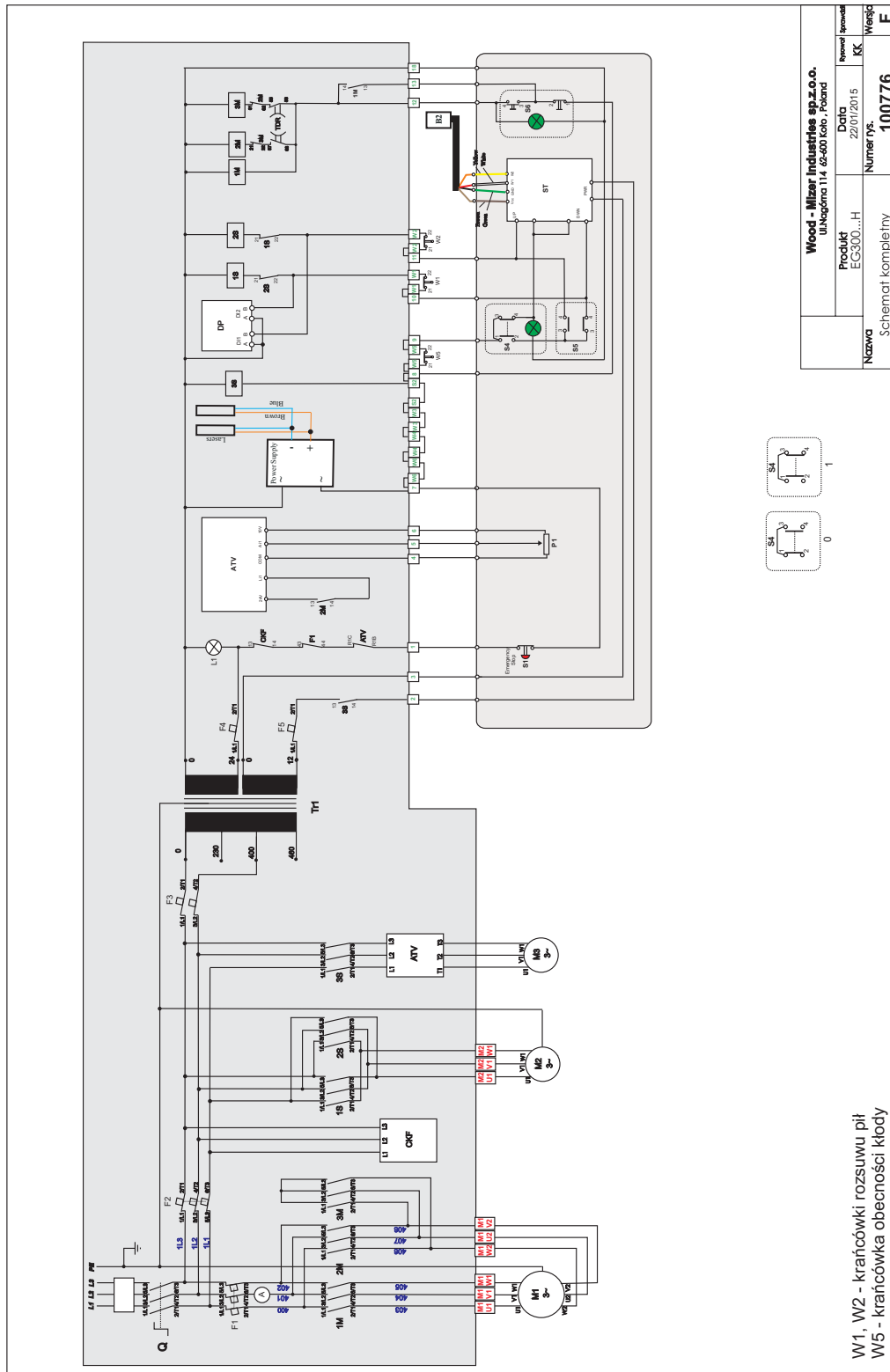


FIG. 8-4

8.5 Electrical Diagram EG300EH_S (400V 50/60 Hz)

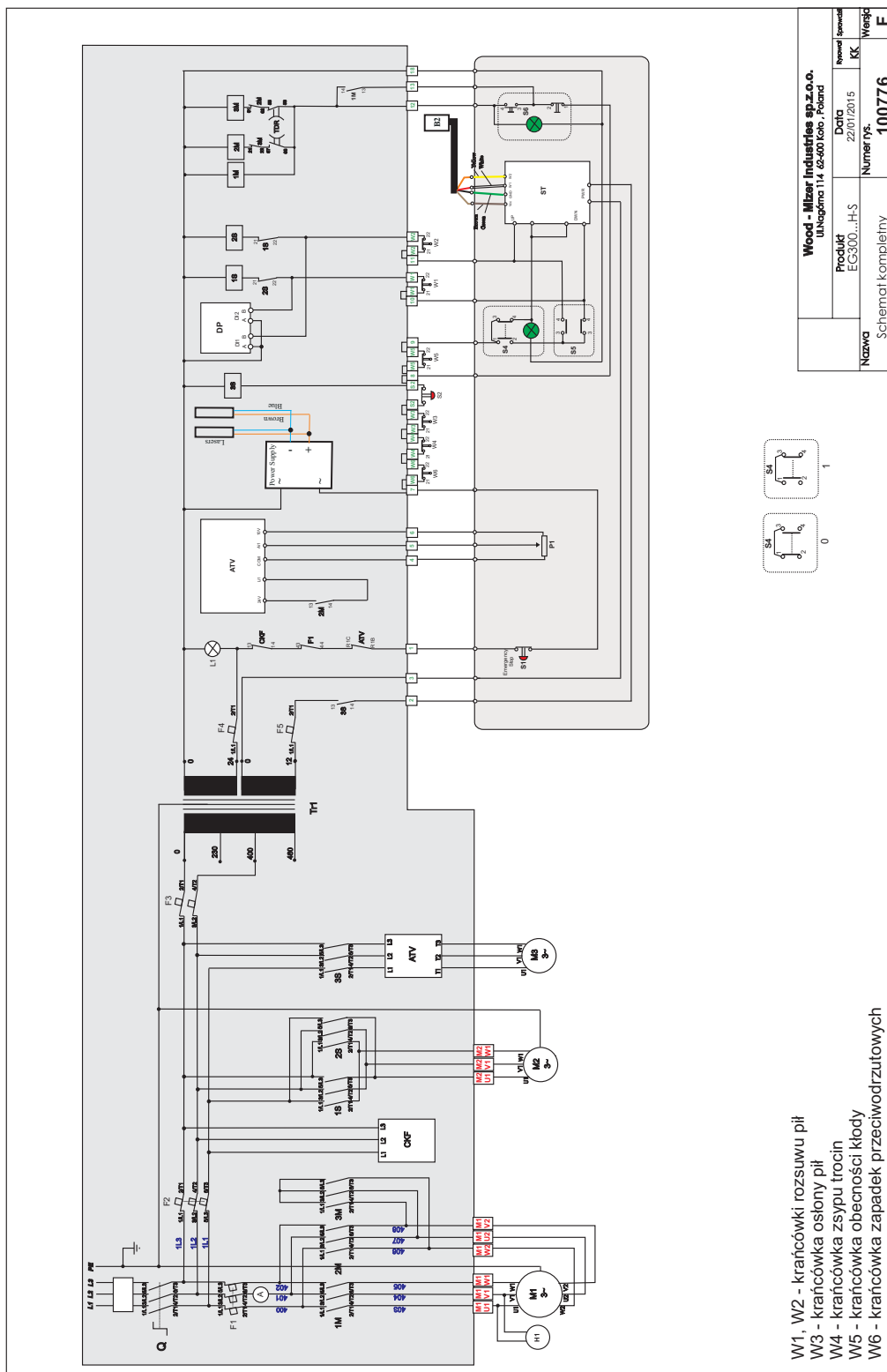


FIG. 8-5

8.6 Electrical Component List, EG300EB_S (230V 50/60 Hz)

See Table 8-1

| NO. | SYMBOL | DESCRIPTION | WOOD-MIZER PART NO. | MANUFACTURER |
|-----|--------------|---|---------------------|--------------------|
| 1 | Q | SWITCH, ABB OT63F3 | 503466 | ABB |
| 2 | F1 | Switch, GV3 M80 | 503549 | SCHNEIDER ELECTRIC |
| 3 | F2 | CIRCUIT BREAKER, C60N 3P C10 | 084317 | SCHNEIDER ELECTRIC |
| 4 | F3 | CIRCUIT BREAKER, C60N 2P C2 | 510259 | SCHNEIDER ELECTRIC |
| 5 | F4, F5 | CIRCUIT BREAKER, C60N 1P C1 | 088283 | SCHNEIDER ELECTRIC |
| 6 | 1M, 2M, 3M | CONTACTOR, LC1 D38 B7 | 503464 | SCHNEIDER ELECTRIC |
| 7 | 1S, 2S | CONTACTOR, LC1K 0601 B7 | 084309 | SCHNEIDER ELECTRIC |
| 8 | 3S | CONTACTOR, LC1D 09 B7 | 084305 | SCHNEIDER ELECTRIC |
| 9 | M1, H | BLADE MOTOR, 18.5KW, 1LA7166-2AA10-Z G26 | 087397-2 | SIEMENS |
| 10 | M2 | MOTOR, 0,18kW SKh71X-6C1 BLADES DISTANCE ADJUSTMENT | 101024 | BESEL |
| 11 | M3 | FEED MOTOR, 1.1KW SKh80X – 4C1 | 090104 | BESEL |
| 12 | ATV | SPEED CONTROLLER, ATV312HU11M3 | 093489 | SCHNEIDER ELECTRIC |
| 13 | Tr | TRANSFORMER, SU84B-4004601224 | 096917 | NORATEL |
| 14 | L1 | CONTROL LIGHT, MOELLER M22 WHITE | 090448 | MOELLER |
| 15 | ST | CONTROLLER, SELBIT TBS01 | 503467 | SELBIT |
| 16 | W1, W2 | LIMIT SWITCHES, GLCB01A2B | 086469 | HONEYWELL |
| 17 | W3 | LIMIT SWITCH, GSCA01S1 | 088407 | HONEYWELL |
| 18 | W4 | SAFETY SWITCH, AZ17 | 094232 | SCHMERSAL |
| 19 | B2 | SENSOR, MSK 320 | 096014 | SIKO |
| 20 | DP | INTERFERENCE SUPPRESSOR, DPZ-320 | - | SELBIT |
| 21 | W5 | LIMIT SWITCH, FA134Z11 | 100910 | GIOVENZANA |
| 22 | W6 | LIMIT SWITCH, FA138Z11 | 100931 | GIOVENZANA |
| 23 | S1 | EMERGENCY STOP BUTTON, XB4BS542 | 086556 | SCHNEIDER ELECTRIC |
| 24 | S3 | SWITCH, M22 START-STOP | 090452 | MOELLER |
| 25 | TDR | TIME RELAY, LAD S2 | 084037 | SCHNEIDER ELECTRIC |
| 26 | P1 | Potentiometer, 1k/1W | E20519 | CLAROSTAT |
| 27 | CKF | PHASE FAILURE RELAY, 72.31.8.400.0000 | 501016 | FINDER |
| 28 | Power Supply | 24VDC 1A Power Supply | 501336 | WMI |

TABLE 8-1

8.7 Electrical Component List, EG300EC (460V 50/60 Hz)

See Table 8-2

| NO. | Symbol | Description | Wood-Mizer Part No. | Manufacturer |
|------------|---------------|--|----------------------------|---------------------|
| 1 | Q | Switch, ABB OT40F3 | 502312 | ABB |
| 2 | F1 | Switch, GV3 P40 SCHNEIDER | 090436 | SCHNEIDER ELECTRIC |
| 3 | F2 | Circuit Breaker, C60N 3P C6 | 091554 | SCHNEIDER ELECTRIC |
| 4 | F3 | Circuit Breaker, C60N 2P C1 | 093905 | SCHNEIDER ELECTRIC |
| 5 | F4, F5 | Circuit Breaker, C60N 1P C1 | 088283 | SCHNEIDER ELECTRIC |
| 6 | 1M, 2M, 3M | Contactor, LC1 D25 B7 | 090923 | SCHNEIDER ELECTRIC |
| 7 | 1S, 2S | Contactor, LC1 0601 B7 | 084309 | SCHNEIDER ELECTRIC |
| 8 | 3S | Contactor, LC1 0610 B7 | 084308 | SCHNEIDER ELECTRIC |
| 9 | M1, H | Blade Motor, 18.5kW 1LA7166-2AA60-Z G26+C01 Blade Motor, 15kW 1LA7164-2AA60-Z G26+C01 | 087397 087396 | SIEMENS |
| 10 | M2 | Motor, 0.18kW SKh71X-6C1 Blades Distance Adjustment | 101024 | BESEL |
| 11 | M3 | Feed Motor, 1.1kW SKh80X – 4C1 | 090104 | BESEL |
| 12 | ATV | Speed Controller, ATV31HU11N4 | 093488 | SCHNEIDER ELECTRIC |
| 13 | Tr | Transformer, SU84B-4004601224 | 096917 | NORATEL |
| 14 | L1 | Control Light, MOELLER M22 White | 090448 | MOELLER |
| 15 | ST | Controller, SELBIT TBS01 | 503467 | SELBIT |
| 16 | W1, W2 | Limit Switches, GLCB01A2B | 086469 | HONEYWELL |
| 17 | B2 | Sensor, MSK 320 | 096014 | SIKO |
| 18 | DP | Interference Suppressor, DPZ-320 | - | SELBIT |
| 19 | W5 | Limit Switch, GLCB01C | 100910 | HONEYWELL |
| 20 | S1 | Emergency Stop Button, XB4BS542 | 086556 | SCHNEIDER ELECTRIC |
| 21 | S3 | Switch, M22 START-STOP | 090452 | MOELLER |
| 22 | TDR | Time Relay, LAD S2 | 084037 | SCHNEIDER ELECTRIC |
| 23 | P1 | Potentiometer, 1k/1W | E20519 | CLAROSTAT |
| 24 | CKF | Phase Failure Relay, 72.31.8.400.0000 | 501016 | FINDER |
| 25 | Power Supply | 24VDC 1A Power Supply | 501336 | WMI |

TABLE 8-2

8.8 Electrical Component List, EG300EH_S (400V 50/60 Hz)

See Table 8-3

| NO. | Symbol | Description | Wood-Mizer Part No. | Manufacturer |
|-----|------------------|--|---------------------|--------------------|
| 1 | Q | Switch, ABB OT40F3 | 502312 | ABB |
| 2 | F1 | Switch, GV3 P40 SCHNEIDER | 090436 | SCHNEIDER ELECTRIC |
| 3 | F2 | Circuit Breaker, C60N 3P C6 | 091554 | SCHNEIDER ELECTRIC |
| 4 | F3 | Circuit Breaker, C60N 2P C1 | 093905 | SCHNEIDER ELECTRIC |
| 5 | F4, F5 | Circuit Breaker, C60N 1P C1 | 088283 | SCHNEIDER ELECTRIC |
| 6 | 1M, 2M, 3M | Contactor, LC1 D25 B7 | 090923 | SCHNEIDER ELECTRIC |
| 7 | 1S, 2S | Contactor, LC1 0601 B7 | 084309 | SCHNEIDER ELECTRIC |
| 8 | 3S | Contactor, LC1 0610 B7 | 084308 | SCHNEIDER ELECTRIC |
| 9 | A(E20) A(E25) | GAUGE EQB72 30/60A GAUGE EQB72 40/80A | 505372 505373 | GOSSEN GOSSEN |
| 10 | M1, H | Blade Motor, 18.5kW 1LA7166-2AA60-Z G26+C01 Blade Motor, 15kW 1LA7164-2AA60-Z G26+C01 | 087397 087396 | SIEMENS |
| 11 | M2 | Motor 0,18kW SKh71X – 6C1 Blades Distance Adjustment | 101024 | BESEL |
| 12 | M3 | Feed Motor, 1.1kW SKh80X – 4C1 | 090104 | BESEL |
| 13 | ATV | Speed Controller, ATV31HU11N4 | 093488 | SCHNEIDER ELECTRIC |
| 14 | Tr | Transformer, SU84B-4004601224 | 096917 | NORATEL |
| 15 | L1 | Control Light, MOELLER M22 White | 090448 | MOELLER |
| 16 | ST | Controller, SELBIT TBS01 | 503467 | SELBIT |
| 17 | W1, W2 | Limit Switches, FA139Z11 | 086469 | GIOVENZANA |
| 18 | B2 | Sensor, MSK 320 | 096014 | SIKO |
| 19 | DP | Interference Suppressor, DPZ-320 | - | SELBIT |
| 20 | W3 | Limit Switch, GSCA01S1 | 088407 | HONEYWELL |
| 21 | W4 | Safety Switch, AZ17 | 094232 | SCHMERSAL |
| 22 | W5 | Limit Switch, FA134Z11 | 100910 | GIOVENZANA |
| 23 | W6 | LIMIT SWITCH, FA138Z11 | 100931 | GIOVENZANA |
| 24 | S1 | Emergency Stop Button, XAL K174 | E22703-P | SCHNEIDER ELECTRIC |
| 25 | S2 | Emergency Stop Button, XB4BS542 | 086556 | SCHNEIDER ELECTRIC |
| 26 | S3 | Switch, M22 START-STOP | 090452 | MOELLER |
| 27 | TDR | Time Relay, LAD S2 | 084037 | SCHNEIDER ELECTRIC |
| 28 | P1 | Potentiometer, 1k/1W | E20519 | CLAROSTAT |
| 29 | CKF | Phase Failure Relay, 72.31.8.400.0000 | 501016 | FINDER |
| 30 | Power Supply | 24VDC 1A Power Supply | 501336 | WMI |

TABLE 8-3

8.9 Electrical Diagram, EG250 (400V 50/60 Hz) - African Version

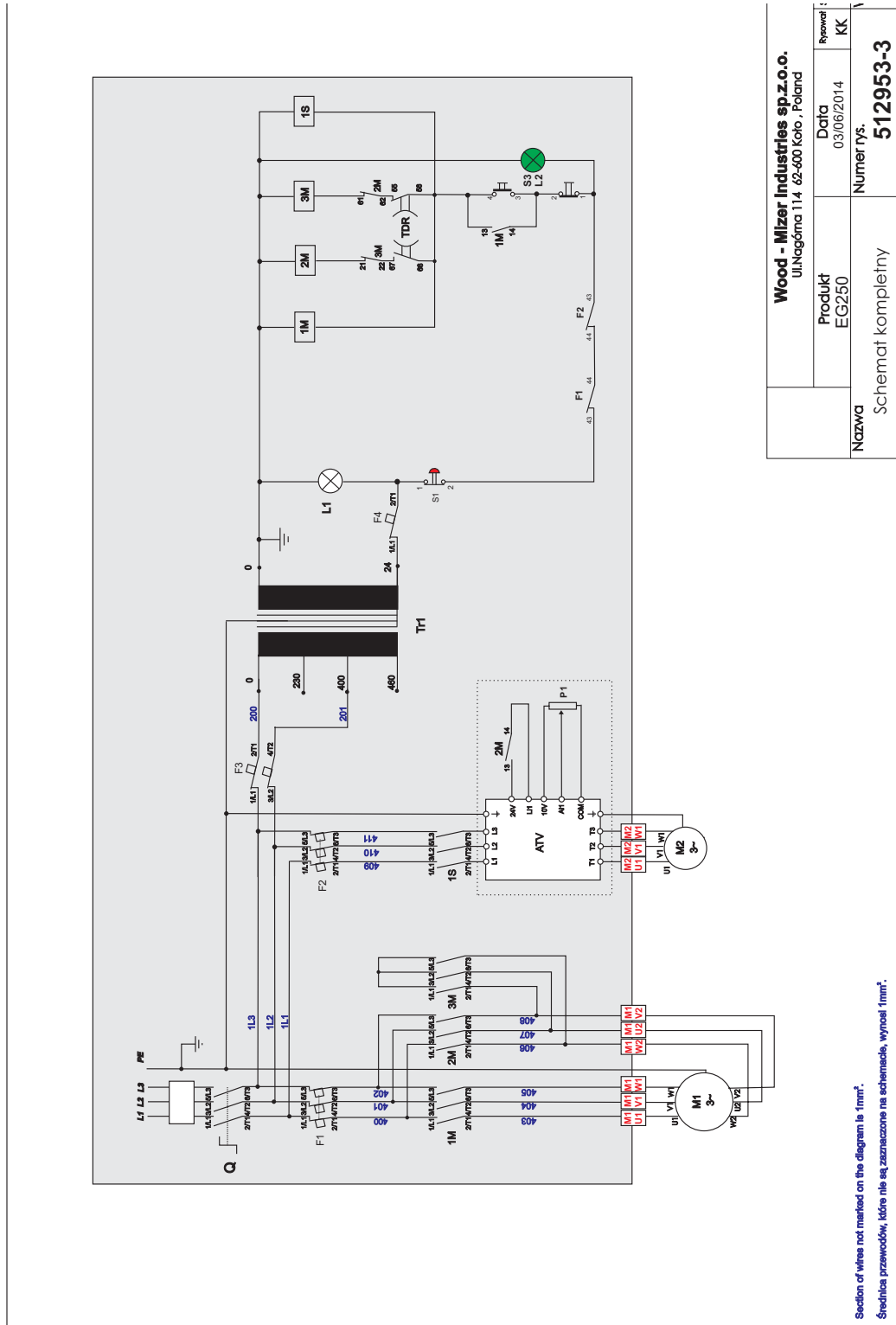


FIG. 8-6

8.10 Electrical Diagram, EG250EC (400V 50/60 Hz) - Russian Version

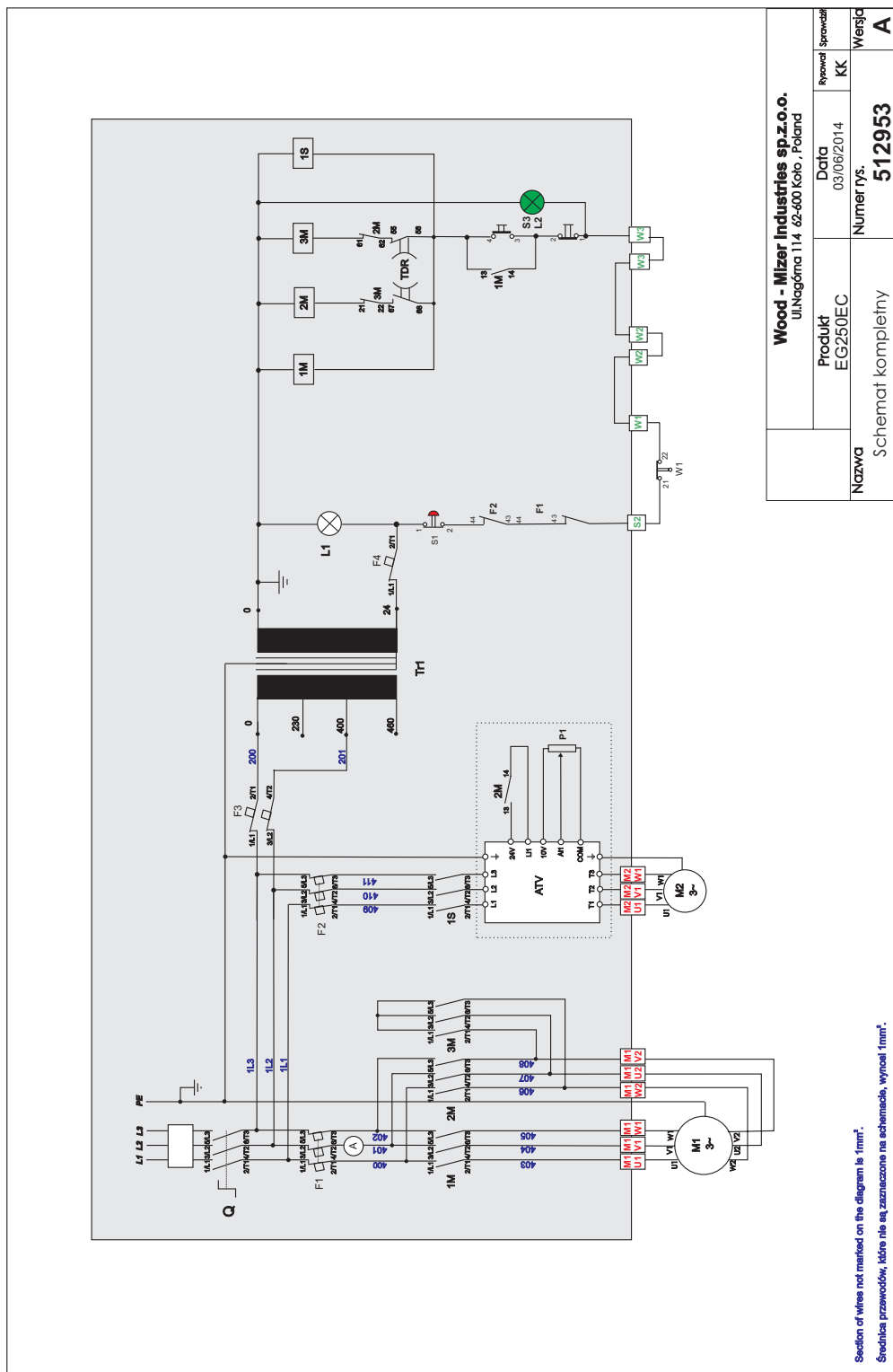


FIG. 8-7

8.11 Electrical Diagram, EG250S (400V 50/60 Hz) - CE Version

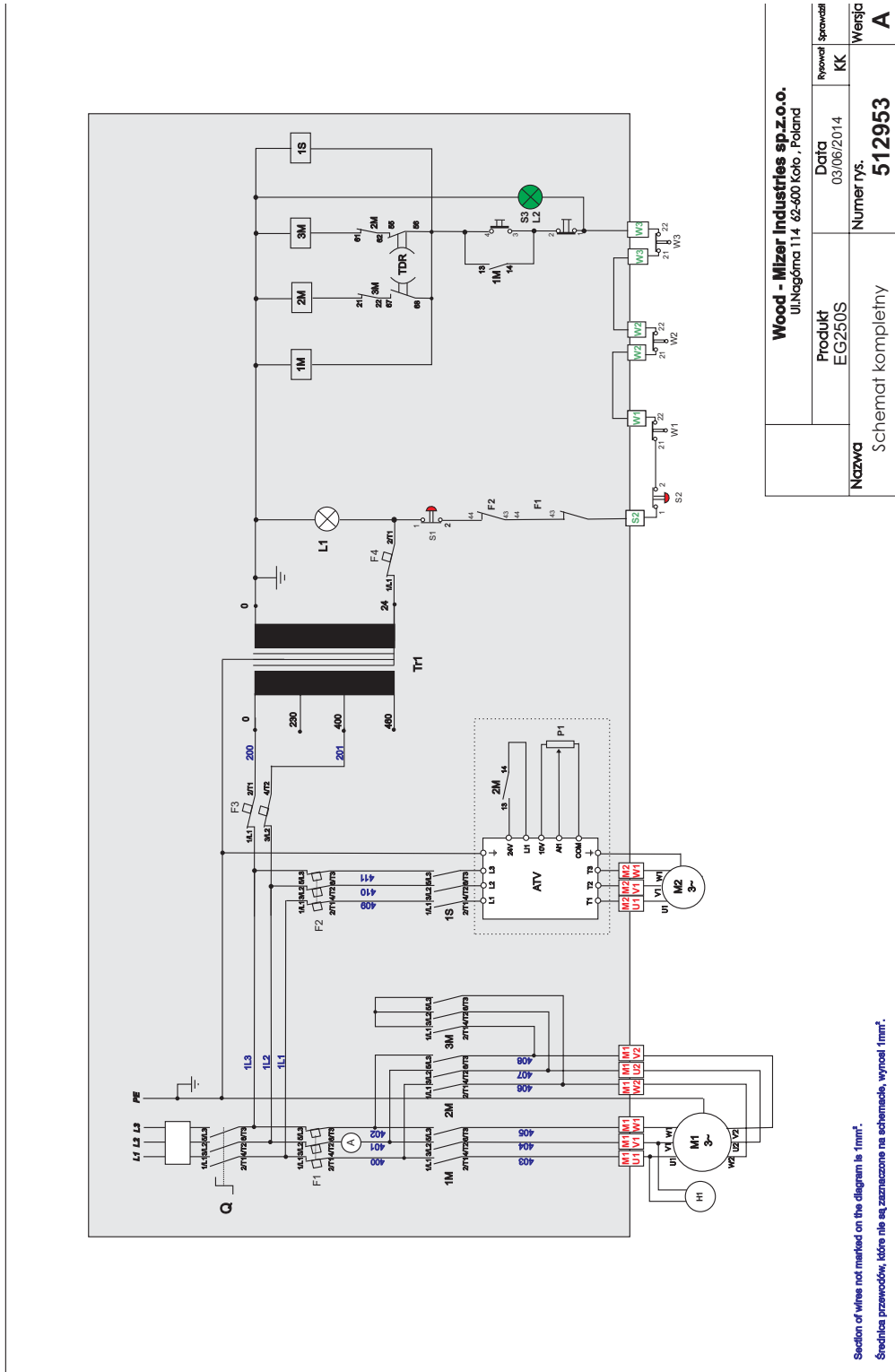


FIG. 8-8

8.12 Electrical Component List, EG250 (400V 50/60 Hz) African Version

See Table 8-4

| No. | Symbol | Description | Wood-Mizer Part No. | Manufacturer |
|-----|----------------------|--|---------------------|-----------------------|
| 1 | Q | Switch, ABB OT40F3 Disconnect | 502312 | ABB |
| 2 | F1 (E20) F1 (E15) | Breaker, GZ1M32 Motor Circuit Breaker, GZ1M21 Motor Circuit | 088264 084330 | SCHNEIDER ELECTRIC |
| 3 | F2 | Breaker, Gz1 M08 Motor Circuit Contact, GZ1AN11 Auxiliary | 083659 | SCHNEIDER ELECTRIC |
| 4 | F3 | Breaker, C60N 2P C1 Circuit | 093905 | SCHNEIDER ELECTRIC |
| 5 | F4 | Breaker, C60N 1P C1 Circuit | 088283 | SCHNEIDER ELECTRIC |
| 6 | 1M, 2M, 3M | Contactor, LC1 D25 B7 | 090923 | SCHNEIDER ELECTRIC |
| 7 | 1S | Contactor, LC1 0601 B7 | 084309 | SCHNEIDER ELECTRIC |
| 8 | M1, H | Motor, 15kW 1LE1002-1DA33-4AA4-Z B16 Blade Drive Motor, 11kW 1LE1002-1CA63-4AA4-Z Blade Drive | 086856 P85186 | SIEMENS |
| 9 | M2 | Motor, 1.1kW SKh80X – 4C1 Feed Drive | 090104 | BESEL |
| 10 | Tr | Transformer, SU78A-230400460/24 | 094487 | NORATEL |
| 11 | L1 | Light, MOELLER M22 White Control | 090448 | MOELLER |
| 12 | S1 | Button, XB4BS542 Emergency Stop | 086856 | SCHNEIDER ELECTRIC |
| 13 | S3 | Switch, M22 START-STOP | 090452 | MOELLER |
| 14 | TDR | Relay, LAD S2 Time Delay | 084037 | SCHNEIDER ELECTRIC |
| 15 | ATV | Controller, Altivar ATV312HU11N4 Speed | 093488 | SCHNEIDER ELECTRIC |
| 16 | P1 | Potentiometer, M22-R1K | 093749 | MOELLER |

8.13 Electrical Component List, EG250EC (400V 50/60 Hz) - Russian Version

See Table 8-5

| No. | Symbol | Description | Wood-Mizer Part No. | Manufacturer |
|-----|----------------------|--|---------------------|-----------------------|
| 1 | Q | Switch, ABB OT40F3 Disconnect | 502312 | ABB |
| 2 | F1 (E20) F1 (E15) | Breaker, GZ1M32 Motor Circuit Breaker, GZ1M21 Motor Circuit | 088264 084330 | SCHNEIDER ELECTRIC |
| 3 | F2 | Breaker, Gz1 E08 Motor Circuit Contact, GZ11AN11 Auxiliary | 083659 | SCHNEIDER ELECTRIC |
| 4 | F3 | Breaker, C60N 2P C1 Circuit | 093905 | SCHNEIDER ELECTRIC |
| 5 | F4 | Breaker, C60N 1P C1 Circuit | 088283 | SCHNEIDER ELECTRIC |
| 6 | 1M, 2M, 3M | Contactor, LC1 D25 B7 | 090923 | SCHNEIDER ELECTRIC |
| 7 | 1S | Contactor, LC1 K601 B7 | 084309 | SCHNEIDER ELECTRIC |
| 8 | A (E20) | Ammeter, EQB72 30/60A | 505372 | GOSSSEN |
| 9 | A (E15) | Ammeter, EQB72 25/50A | 505371 | GOSSSEN |
| 10 | M1, H | Motor, 15kW 1LE1002-1DA33-4AA4-Z B16 Blade Drive Motor, 11kW 1LE1002-1CA63-4AA4-Z Blade Drive | 086856 P85186 | SIEMENS |
| 11 | M2 | Motor, 1,1kW SKh80X – 4C1 Induction | 090104 | BESEL |
| 12 | Tr | Transformer, SU78A-230400460/24 | 094487 | NORATEL |
| 13 | L1 | Light, M22 MOELLER White Control | 090448 | MOELLER |
| 14 | W1 | Switch, GSCA01S1 Limit (Blade Cover) | 088407 | HONEYWELL |
| 15 | S1 | Button, XB4BS542 Emergency Stop | 086856 | SCHNEIDER ELECTRIC |
| 16 | S3 | Switch, M22 START-STOP | 090452 | MOELLER |
| 17 | TDR | Relay, LAD S2 Time Delay | 084037 | SCHNEIDER ELECTRIC |
| 18 | ATV | Controller, Altivar ATV312HU11N4 Speed | 093488 | SCHNEIDER ELECTRIC |
| 19 | P1 | Potentiometer, M22-R1K | 093749 | MOELLER |

8.14 Electrical Component List, EG250S (400V 50/60 Hz) - CE Version

See Table 8-6

| No. | Symbol | Description | Wood-Mizer Part No. | Manufacturer |
|-----|----------------------|---|---------------------|-----------------------|
| 1 | Q | Switch, ABB OT40F3 Disconnect | 502312 | ABB |
| 2 | F1 (E20) F1 (E15) | Breaker, GZ1E32 Motor Circuit Breaker, GZ1E21 Motor Circuit | 088264 084330 | SCHNEIDER ELECTRIC |
| 3 | F2 | Breaker, Gz1 E08 Motor Circuit Contact, GZ11AN11 Auxiliary | 083659 | SCHNEIDER ELECTRIC |
| 4 | F3 | Breaker, C60N 2P C1 Circuit | 093905 | SCHNEIDER ELECTRIC |
| 5 | F4 | Breaker, C60N 1P C1 Circuit | 088283 | SCHNEIDER ELECTRIC |
| 6 | 1M, 2M, 3M | Contactor, LC1 D25 B7 | 090923 | SCHNEIDER ELECTRIC |
| 7 | 1S | Contactor, LC1 K601 B7 | 084309 | SCHNEIDER ELECTRIC |
| 8 | A (E20) | Ammeter, EQB72 30/60A | 505372 | GOSSSEN |
| 9 | A (E15) | Ammeter, EQB72 25/50A | 505371 | GOSSSEN |
| 10 | M1, H | Motor, 15kW 1LA7164-2AA60-Z G26+C01 Blade Drive Motor, 11kW PSg132 S2 - HM Blade Drive | 087396 089049 | SIEMENS EMA-ELFA |
| 11 | M2 | Motor, 1.1kW SKh80X – 4C1 Feed Drive | 090104 | BESEL |
| 12 | Tr | Transformer, SU78A-230400460/24 | 094487 | NORATEL |
| 13 | L1 | Light, M22 MOELLER White Control | 090448 | MOELLER |
| 14 | W1 | Switch, GSCA01S1 Limit (Blade Cover) | 088407 | HONEYWELL |
| 15 | W2 | Switch, AZ17 Safety (Sawdust Chute) | 094232 | SCHMERSAL |
| 16 | W3 | Switch, FA138Z11 Limit | 100931 | GIOVENZANA |
| 17 | S1 | Button, XB4BS542 Emergency Stop | 086856 | SCHNEIDER ELECTRIC |
| 18 | S2 | Button, XALK174 Emergency Stop | E22703-P | SCHNEIDER ELECTRIC |
| 19 | S3 | Switch, M22 START-STOP | 090452 | MOELLER |
| 20 | TDR | Relay, LAD S2 Time Delay | 084037 | SCHNEIDER ELECTRIC |
| 21 | ATV | Controller, Altivar ATV312HU11N4 Speed | 093488 | SCHNEIDER ELECTRIC |
| 22 | P1 | Potentiometer, M22-R1K | 093749 | MOELLER |

SECTION 9 ELECTRICAL INFORMATION (U.S. ONLY)

9.1 Electrical Diagram, EG300EC25U (U.S. Only)

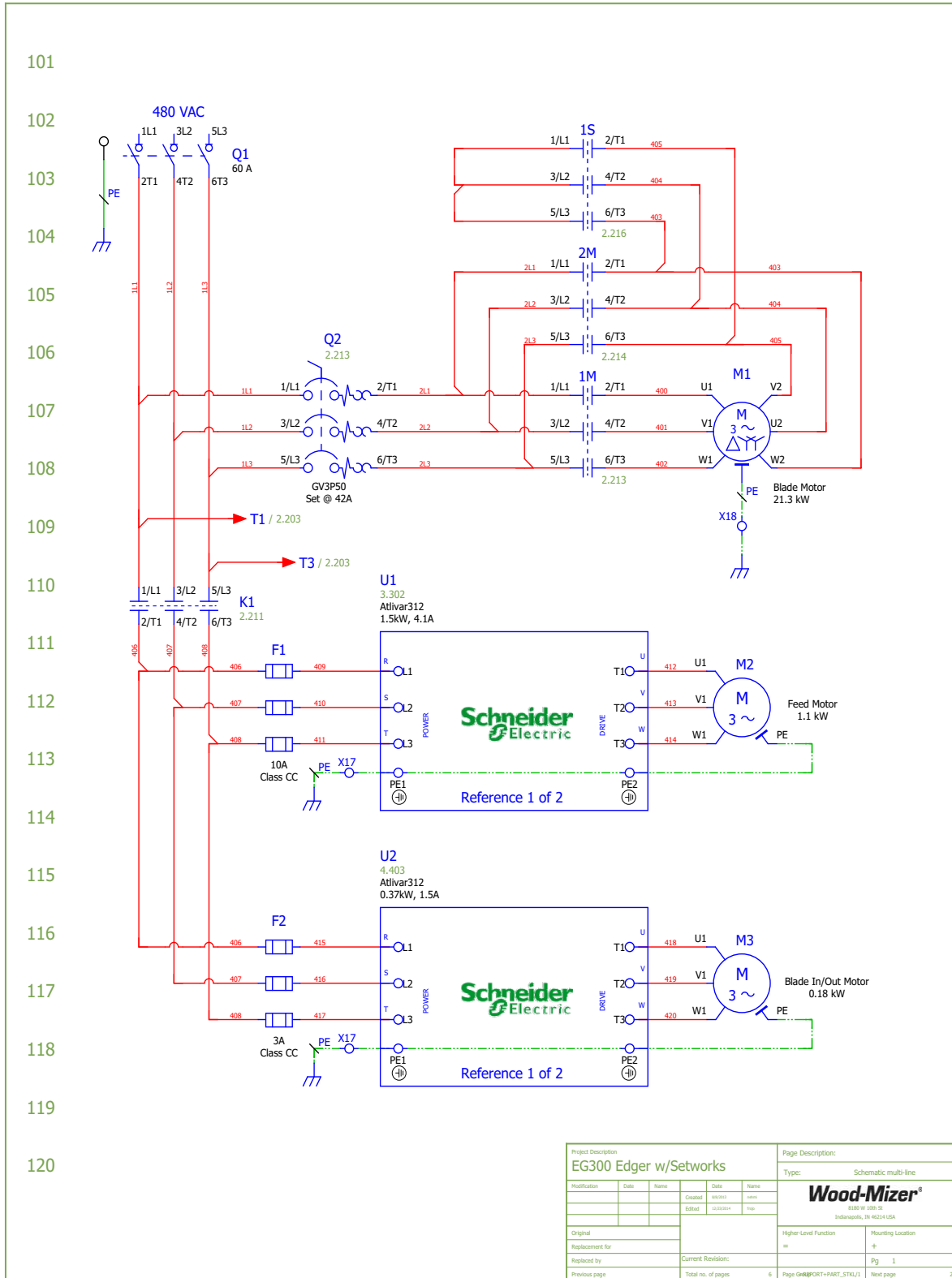


FIG. 9-1 SYMBOL DIAGRAM (EG300EC25U PAGE 1 OF 5)

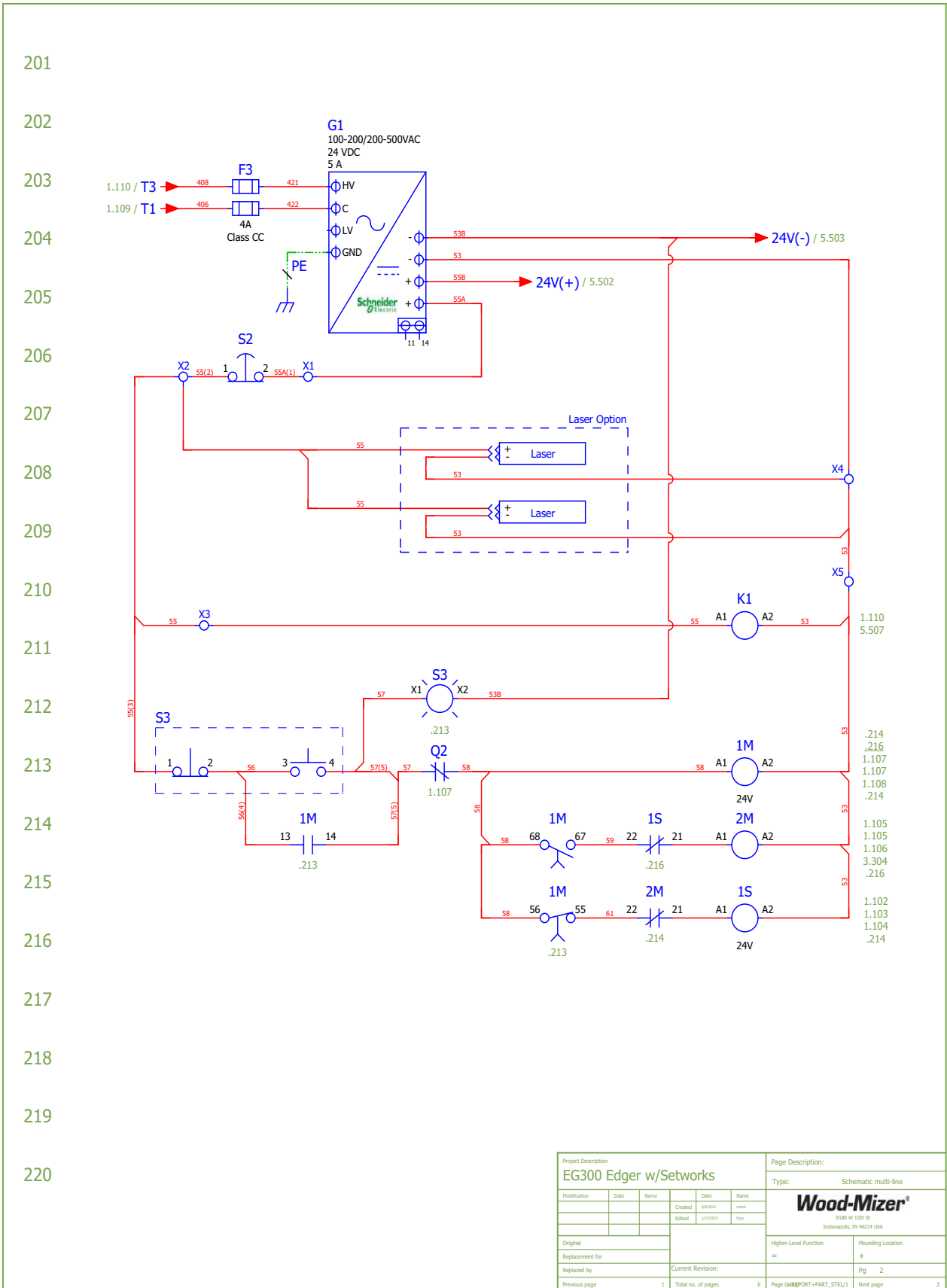


FIG. 9-2 SYMBOL DIAGRAM (EG300EC25U PAGE 2 OF 5)

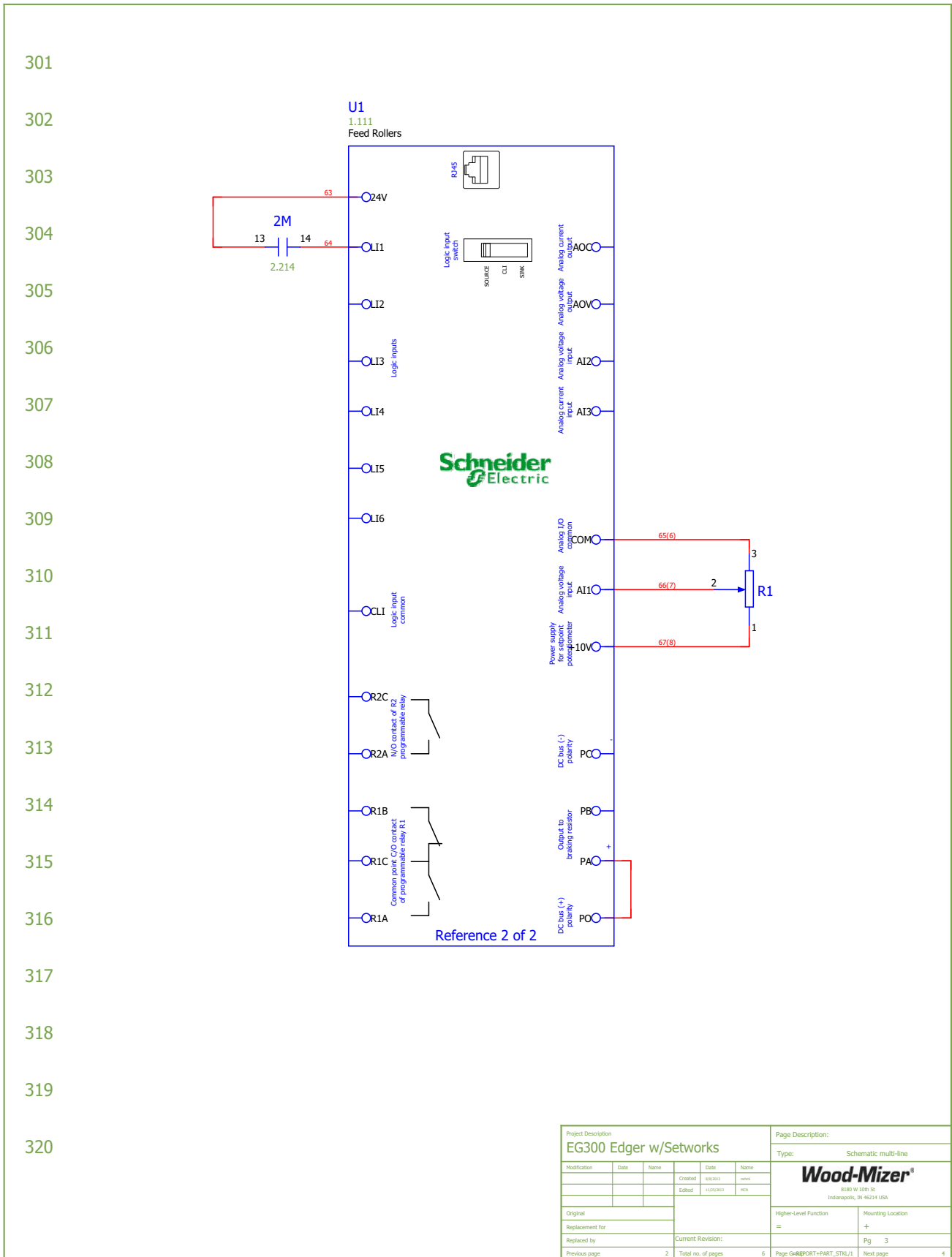


FIG. 9-3 SYMBOL DIAGRAM (EG300EC25U PAGE 3 OF 5)

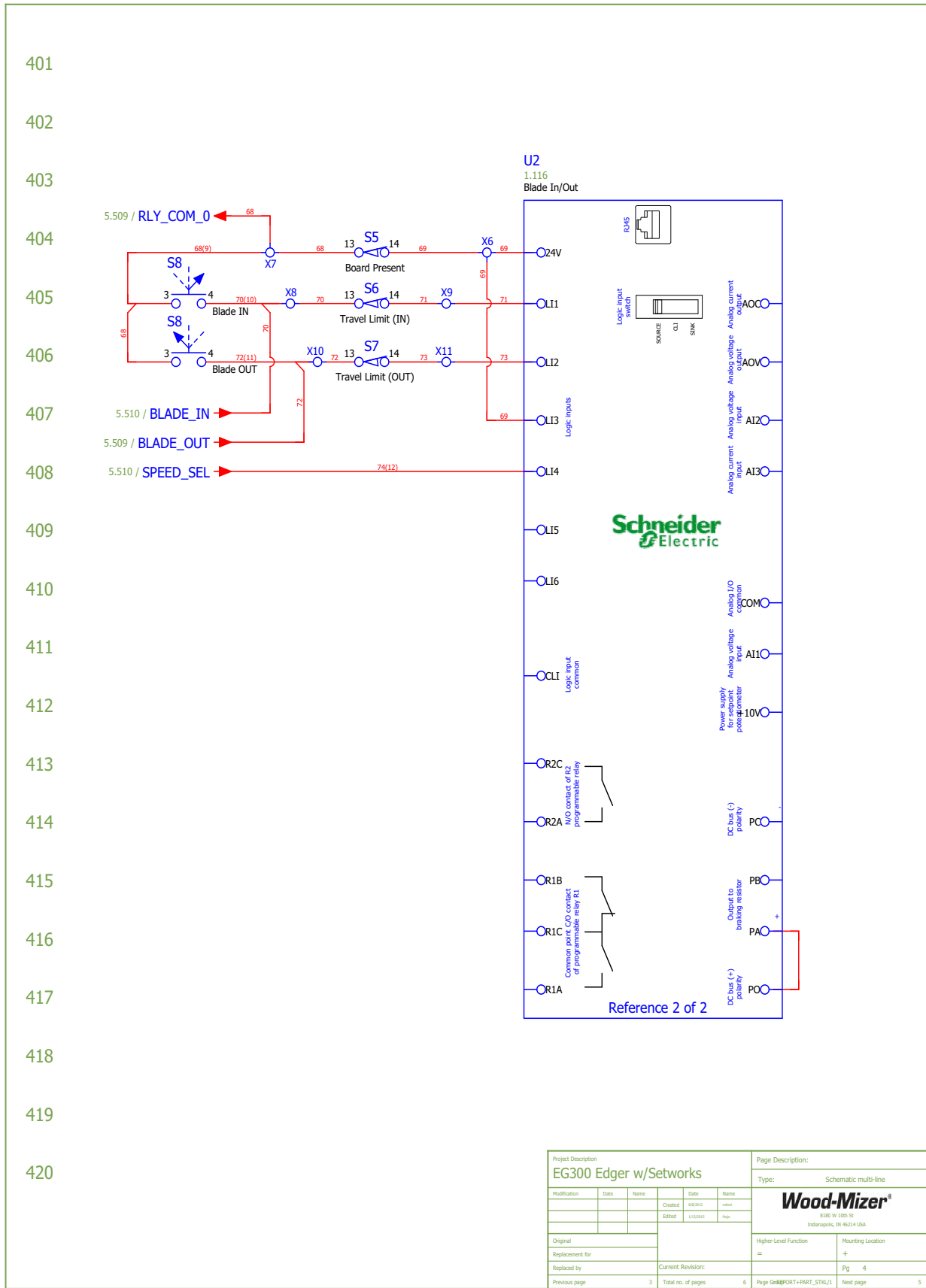
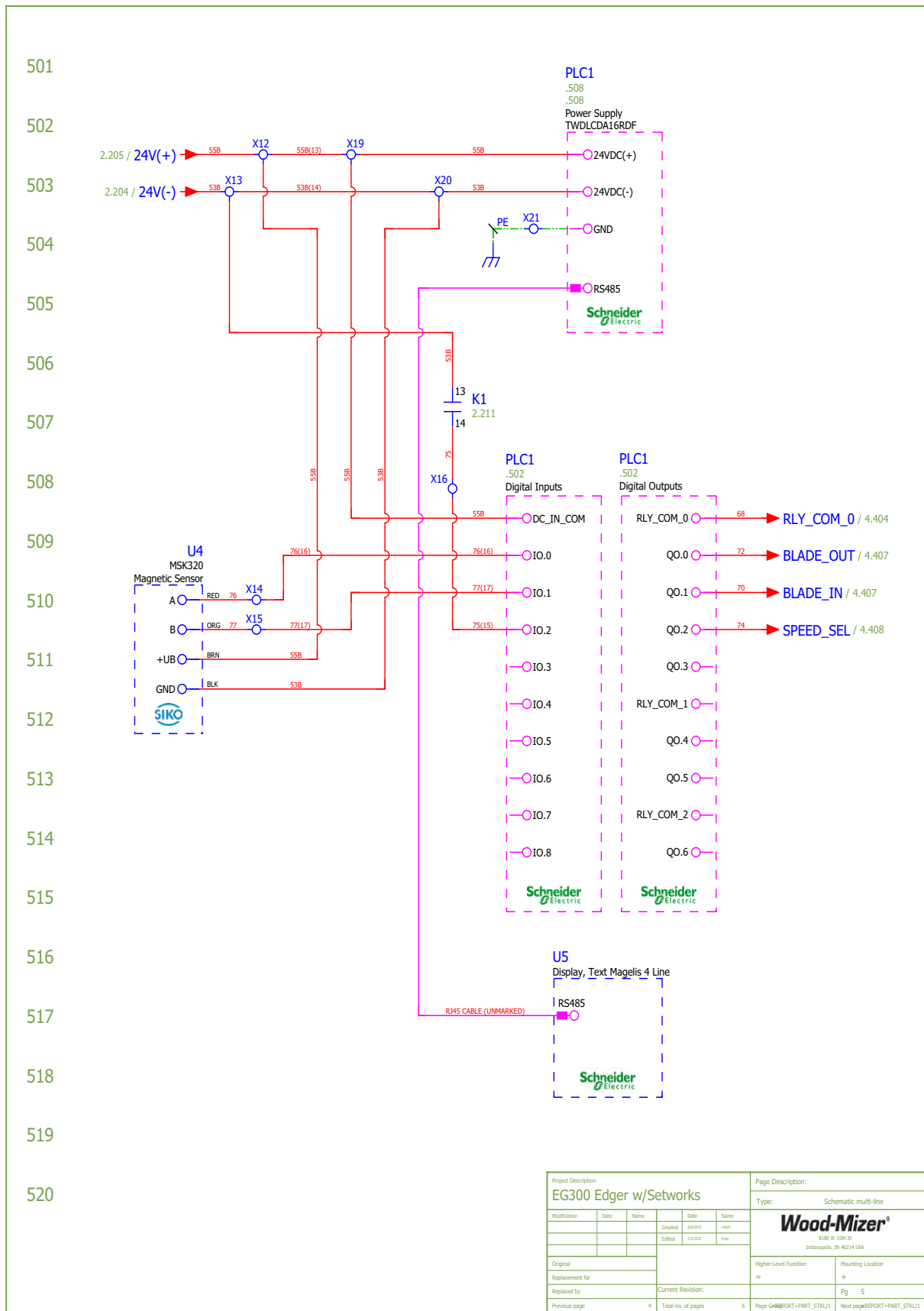


FIG. 9-4 SYMBOL DIAGRAM (EG300EC25U PAGE 4 OF 5)

9 Electrical Information (U.S. Only)

Electrical Diagram, EG300EC25U (U.S. Only)



| | | | | | | | |
|--|------|--------------------|-------------------|------|------|--|-------------------|
| Project Description EG300 Edger w/Setworks | | | | | | Page Description: Type: Schematic multi-line | |
| Modification | Date | Name | Created | Date | Name | 8180 W 10th St Indianapolis, IN 46214 USA | |
| | | | Edited | | Rev | | |
| Original | | | | | | Higher-Level Function | Mounting Location |
| Replacement for | | | | | | = | + |
| Replaced by | | | Current Revision: | | | Pg | 5 |
| Previous page | 4 | Total no. of pages | 6 | Page | 6 | Page | 6 |

FIG. 9-5 SYMBOL DIAGRAM (EG300EC25U PAGE 5 OF 5)

9.2 Electrical Component List, , EG300EC25U (U.S. Only)

| Symbol | Manufacturer | Manufacturer Part No. | Wood-Mizer Part No. | Description |
|-------------|--------------------|-----------------------|---------------------|---|
| 1M | SE | LC1D32BD | 052465 | Contacto TeSys LC1-D - 3P - AC-3 440V 32A |
| 2M | SE | LC1D32BD | 052465 | Contacto TeSys LC1-D - 3P - AC-3 440V 32A |
| 1S | SE | LC1D32BD | 052465 | Contacto TeSys LC1-D - 3P - AC-3 440V 32A |
| F1 | WAGO | WAGO-811-431 | 068067 | Fuse Holder, 3P Class CC Wire Clamp |
| | Littlefuse | CCMR010 | 051957 | Fuse, 10A 600V Class CC Delay |
| F2 | WAGO | WAGO-811-431 | 068067 | Fuse Holder, 3P Class CC Wire Clamp |
| | Littlefuse | CCMR003 | 052793 | Class CC Fuse 3 A |
| F3 | WAGO | 811.421 | 068066 | Class CC Fuse Holder 30 A |
| | Littlefuse | CCMR004 | 052713 | Class CC Fuse 4 A |
| G1 | SE | ABL8RPS24050 | 069936 | Two-phase power supply |
| H1 | TEL | XB4 BVB3 | 024970-3 | Pilot Light, Complete Assy Green |
| K1 | SE | LC1D18BL | 024911 | Contacto TeSys LC1-D - 3P - AC-3 440V 18 A |
| PLC1 | Schneider Electric | TWDLCA16DRF | 069849 | PLC Assy, Twido 16 IO |
| Q1 | ABB | ABB-OT45F3 | 050881-1 | Switch Disconnecto |
| Q2 | Schneider Electric | GV3P50 | 073503 | Motor Starter, GV3P50 37-50A 3P |
| | SE | GVAM11 | --- | Auxiliary Contact |
| R1 | Automation Direct | ECX2300-5K | --- | Potentiometer, 22mm 5k |
| S2 | Schneider Electric | ZBE1025 068921 | 068921 | Contact Block, 1NC Wire Clamp |
| | Schneider Electric | ZB5AS54 068940 | 068940 | Pushbutton Head, 22mm E-Stop Twist-Pull |
| S3 | Schneider Electric | ZB5 AW7A3741 | 068909 | Pushbutton, Green Flush/Red Flush Illuminated Double-Headed |
| | Schneider Electric | ZB5AZ1025 | 068950 | Pushbutton Collar, 1NC ZB5 Wire Clamp |
| | Schneider Electric | ZBE1015 | 068920 | Contact Block, 1NO Wire Clamp |
| | Schneider Electric | ZBVB35 | 068910 | Light Module, Green ZB5 |
| S5 | Schneider | XCKD2102N12 | 069772 | Limit Switch, Modular Roller |
| S6 | Schneider | XCKD2145M12 | --- | Limit Switch, Roller Lever |
| S7 | Schneider | XCKD2145M12 | --- | Limit Switch, Roller Lever |
| S8 | Schneider | ZB5AJ5 | --- | Selector Switch Head, 3 Pos Spring Return |
| | Schneider Electric | ZBE10 | 068920 | Contact Block, 1NO Wire Clamp |
| | Schneider Electric | ZB5AZ1015 | 068952 | Pushbutton Collar, 1NO ZB5 Wire Clamp |
| TDR1 | Schneider Electric | LADS2 | 069732 | Relay, Time Delay Auxillary |
| U1 | Schneider Electric | SQD-ATV312HU15N4 | 052093-1 | Altivar 312 Variable Speed Drive, 2HP |
| U2 | Schneider Electric | SQD-ATV312H037N4 | 068094 | Altivar 312 Variable Speed Drive, 0.5HP |
| U4 | SIKO | LC1D18BL | 024911 | Magnetic Sensor, 24V |
| U5 | Schneider Electric | XBTN400 | 069835 | Display, Text Magelis 4 Line 24VDC Green |

SECTION 10 REPLACEMENT PARTS

10.1 How To Use The Parts List

- 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.

| 10.1 Sample Assembly | | | | |
|----------------------|---|-----------|------|---|
| REF | SAMPLE ASSEMBLY, COMPLETE (Includes All Indented Parts Below) | PART # | QTY. | |
| | Sample Part | A01111 | 1 | |
| 1 | Sample Subassembly (Includes All Indented Parts Below) | F02222-22 | 1 | |
| 2 | Sample Part (Indicates Part Is Only Available With A03333) | A03333 | 1 | |
| | Sample Subassembly (Includes All Indented Parts Below) | S04444-4 | 1 | ◆ |
| 3 | Sample Part (Indicates Part Is Only Available With K05555) | K05555 | 1 | |
| | Sample Part | M06666 | 2 | ◆ |
| 4 | SAMPLE ASSEMBLY, COMPLETE (Includes All Indented Parts Below) | F07777-77 | 1 | |

To Order Parts:

From Europe call your local distributor or our European Headquarters and Manufacturing Facility in Kolo, Nagórna 114 St, Poland at **+48-63-2626000**. From the continental U.S., call our U.S. Headquarter 8180 West 10th St. Indianapolis, IN 46214, toll-free at **1-800-525-8100**. Have your customer number, VIN, and part numbers ready when you call. From other international locations, contact the Wood-Mizer distributor in your area for parts.

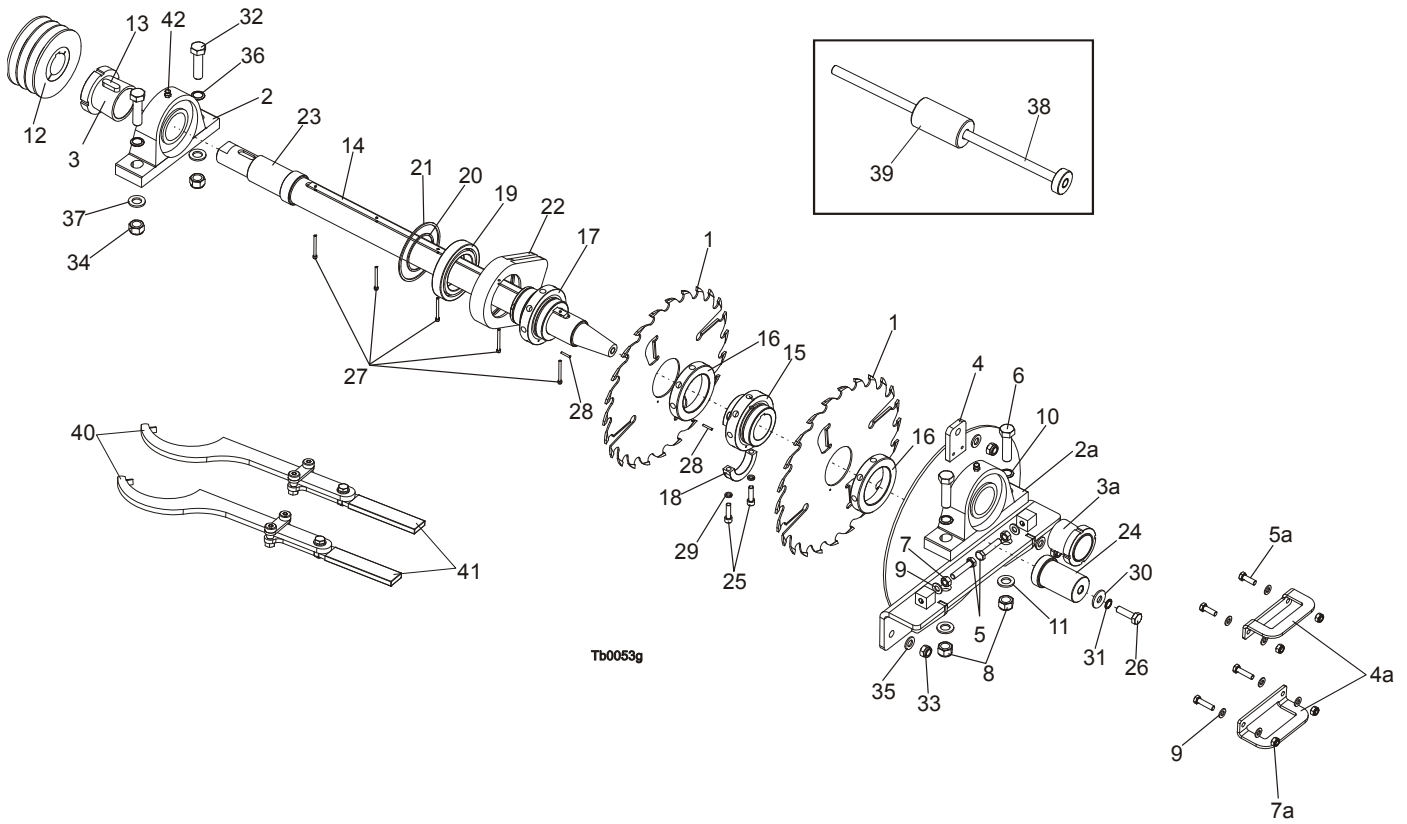
Office Hours:

| Country | Monday - Friday | Saturday | Sunday |
|---------|-----------------|-----------------|--------|
| Poland | 7 a.m. - 3 p.m. | Closed | Closed |
| US | 8 a.m. - 5 p.m. | 8 a.m. - 5 p.m. | Closed |



CAUTION! It is strongly recommended that only original spare parts be used.

10.2 Main Shaft Assembly

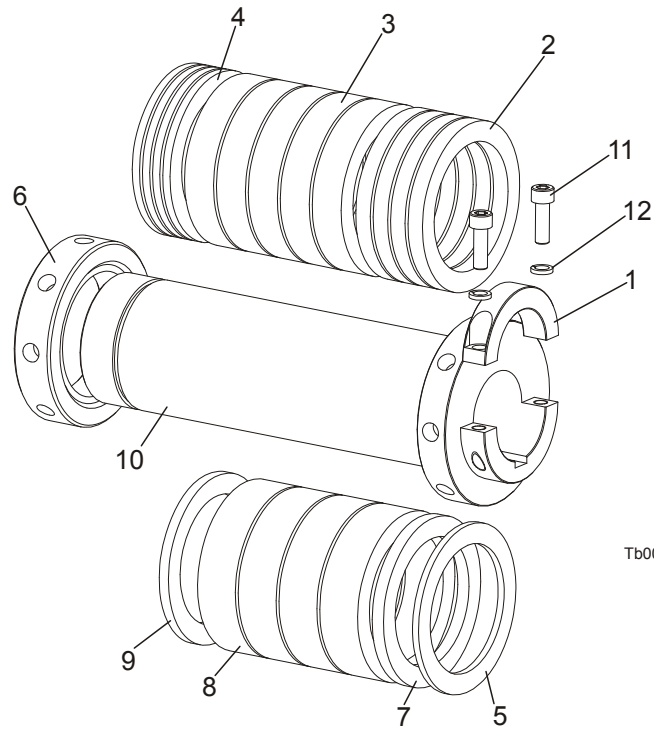


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| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY |
|------|--|-----------|-----|
| | MAIN SHAFT, EDGER EG300 COMPLETE | 503887 | 1 |
| 1 | BLADE, PI-510 350x3.9/2.6/76 Z-24+4GM | 089144 | 2 |
| 2 | BEARING, NSK UKP211D1 | 101109 | 1 |
| 3 | SLEEVE, H2311H ADAPTER | 503075 | 1 |
| | COVER, SIDE W/BEARING COMPLETE | 503143 | 1 |
| 2a | BEARING, NSK UKP211D1 | 101109 | 1 |
| 3a | SLEEVE, H2311H ADAPTER | 503075 | 1 |
| 4 | COVER, W/BEARING BRACKET SIDE | 503888-1 | 1 |
| 4a | GRIP, SIDE COVER, EG300 | 514845-1 | 1 |
| 5 | BOLT, M10x50-8.8-HEX HEAD FULL THREAD ZINC | F81003-4 | 2 |
| 5a | BOLT, M10x30-5.8 HEX HEAD FULL THREAD ZINC | F81003-2 | 2 |
| 6 | BOLT, M16x60 8.8 HEX HEAD FULL THREAD ZINC | F81006-12 | 2 |
| 7 | NUT, M10-8-B-HEX ZINC | F81033-3 | 2 |
| 7a | NUT, M10-8-B-HEX NYLON ZINC LOCK | F81033-1 | 2 |
| 8 | NUT, M16-8-HEX NYLON ZINC LOCK | F81036-2 | 2 |
| 9 | WASHER, 10,5 FLAT ZINC | F81055-1 | 10 |
| 10 | WASHER, BN 791 M16/17 Bos. RIBBED LOCK | F81056-13 | 2 |
| 11 | WASHER, 17 FLAT ZINC | F81058-1 | 2 |
| 12 | PULLEY, PBT SPB3 125/42 | 503149 | 1 |
| 13 | KEY, A12x8x36, PARALLEL | 503182 | 1 |
| | SHAFT, EDGER DRIVE, COMPLETE | 503196 | 1 |
| 14 | KEY, 12x8x585, SPECIAL CHROME | 089040-1 | 1 |

| | | | | |
|----|--|-----------|---|--|
| 15 | ARBOR, FIXED BLADE ZINC | 089091-1 | 1 | |
| 16 | NUT, BLADE RETAINER PTD | 089092-1 | 2 | |
| 17 | ARBOR, MOVING BLADE ZINC-PLATED | 089093-1 | 1 | |
| 18 | WRAP, EDGER ZINC-PLATED | 089116-1 | 1 | |
| 19 | BEARING, 6014 2RS1 CX BALL | 089164 | 1 | |
| 20 | RING, Z70 OUTSIDE RETAINING | 089165 | 1 | |
| 21 | RING, W110 INSIDE RETAINING | 089166 | 1 | |
| 22 | BLOCK, BLADE SLIDE | 500527-1 | 1 | |
| 23 | SHAFT, BLADE CHROME | 503181-1 | 1 | |
| 24 | END, MAIN SHAFT REMOVABLE CHROME | 503188-1 | 1 | |
| 25 | BOLT, M8x30 -8.8- SOCKET HEAD ZINC | F81002-31 | 2 | |
| 26 | BOLT, M12x40-8.8-HEX HEAD FULL THREAD ZINC | F81004-4 | 1 | |
| 27 | BOLT, M5X45-8.8 SOCKET HEAD ZINC | F81000-43 | 5 | |
| 28 | PIN, H 3m6x20 DIN6325 HRC60 ROLL | F81048-2 | 2 | |
| 29 | WASHER, 8,2 SPRING LOCK ZINC | F81054-4 | 2 | |
| 30 | WASHER, 13 FLAT SPECIAL | F81056-12 | 1 | |
| 31 | WASHER, 792 M12/13 (Bossard) RIBBED LOCK | F81056-15 | 1 | |
| 32 | BOLT, M16x60 8.8 HEX HEAD FULL THREAD ZINC | F81006-12 | 2 | |
| 33 | NUT, M12-8 HEX NYLON ZINC LOCK | F81034-2 | 3 | |
| 34 | NUT, M16-8-HEX NYLON ZINC LOCK | F81036-2 | 2 | |
| 35 | WASHER, 13 FLAT ZINC | F81056-1 | 3 | |
| 36 | WASHER, BN 791 M16/17 Bos. RIBBED LOCK | F81056-13 | 2 | |
| 37 | WASHER, 17 FLAT ZINC | F81058-1 | 2 | |
| | BEARING PULLER - EDGER | 094626 | 1 | |
| 38 | PULLER, BEARING ZINC-PLATED | 094627-1 | 1 | |
| 39 | BUSHING, STRIKING ZINC-PLATED | 094628-1 | 1 | |
| | WRENCH, 628500*/110/115 W/EXTENSION | 504355 | 2 | |
| 40 | WRENCH, I #628500/110/115 EDGER | 094641 | 2 | |
| 41 | EXTENSION, 628500/110/115 EDGER WRENCH | 504356 | 2 | |
| 42 | NIPPLE, M10x1/90 PN/M-86003 GREASE | 507533 | 1 | |

10.3 Spacer Mounting Kit (Optional)

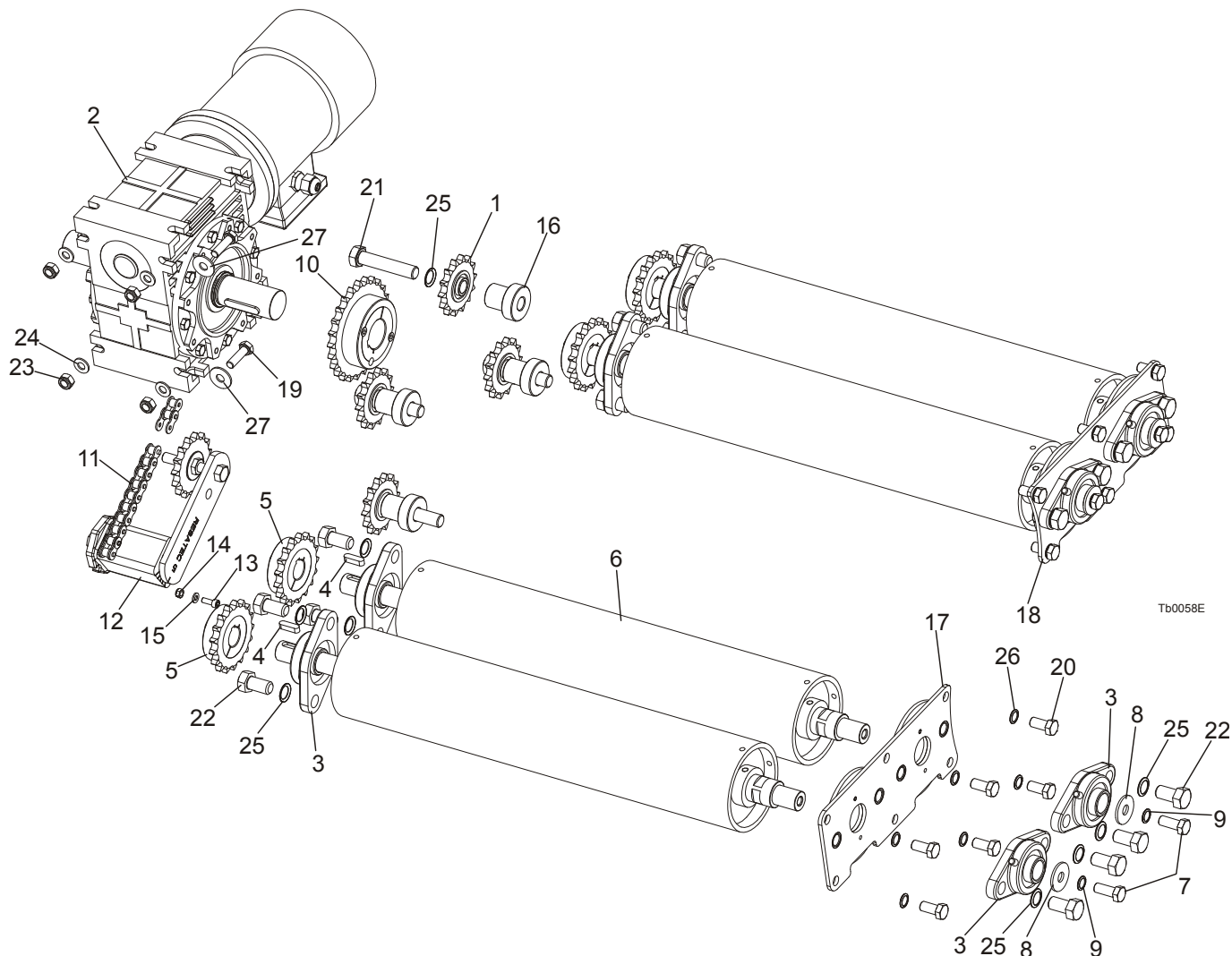


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| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|---|---------------------|------|
| | MOUNTING KIT FOR 5 BLADES W/LONG BUSHING | 093328 ¹ | 1 |
| 1 | COLLAR, LOCKING (EDGER) | 089116 | 1 |
| 2 | RING, SPACER | 090967-1 | 4 |
| 3 | SPACER | 090968-1 | 5 |
| 4 | SPACER, G=5 THICK | 090971-1 | 4 |
| 5 | SPACER, G=4.2MM THICK | 091135-1 | 1 |
| 6 | NUT, LOCKING ZINC-PLATED | 091493-1 | 1 |
| 7 | SPACER, G=7MM THICK | 091509-1 | 1 |
| 8 | SPACER, G=26.1MM THICK | 091510-1 | 4 |
| 9 | SPACER, G=6.4MM THICK | 091511-1 | 1 |
| 10 | BUSHING, BLADE MOUNT - LONG | 092961-1 | 1 |
| 11 | BOLT, M8x25-8.8 SOCKET HEAD | F81002-21 | 2 |
| 12 | WASHER, 8,2 SPLIT LOCK ZINC | F81054-4 | 2 |

¹ It is possible to mount at most 3 blades as optional equipment.

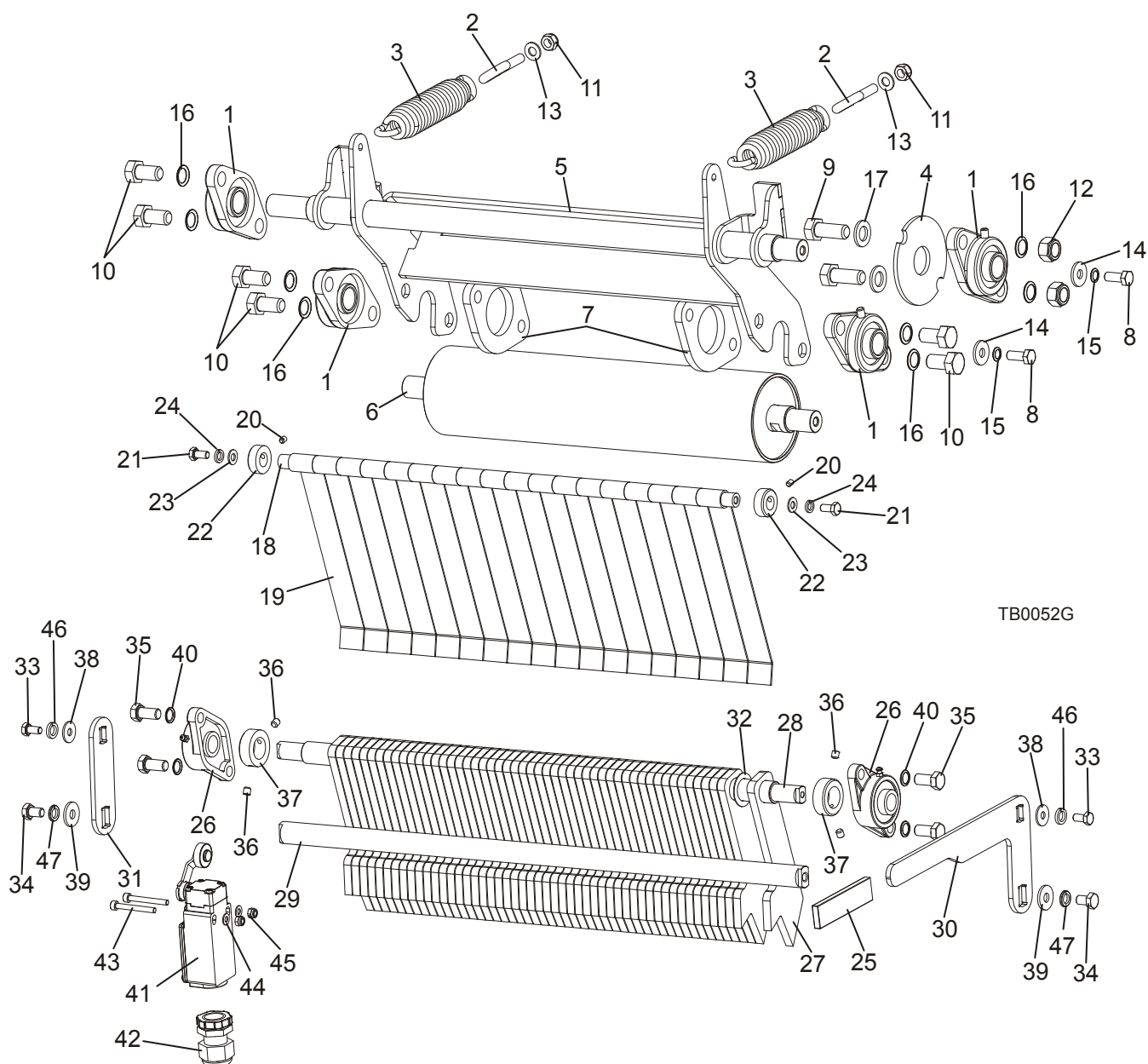
10.4 Infeed Rollers Assembly



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|--|-----------|------|
| | INFEED ROLLER DRIVE ASSEMBLY, COMPLETE | 503145 | 1 |
| 1 | SPROCKET, Z14 5/8"x3/8" W/BEARING | 088867 | 4 |
| 2 | MOTOREDUCER, MR-80/64/1.1-1400/K3/V6 | 098663 | 1 |
| | ROLLER, INFEED COMPLETE | 503144 | 4 |
| 3 | BEARING, UCFL 205 CX W/HOUSING | 089124 | 2 |
| 4 | KEY, PARALLEL A 8x7x28 PN-70/M-85005 | 096035 | 1 |
| 5 | SPROCKET, 17Z 10B/25 (T43995+T31074) ZINC | 503146 | 1 |
| 6 | ROLLER, INFEED PTD | 503176-1 | 1 |
| 7 | BOLT, M12x30-8.8-HEX HEAD FULL THREAD ZINC | F81004-22 | 1 |
| 8 | WASHER, 13 SPECIAL FLAT ZINC | F81056-14 | 1 |
| 9 | WASHER, 792 M12/13 (Bossard) RIBBED LOCK | F81056-15 | 1 |
| 10 | SPROCKET, 25Z 10B/38 (T43999+T31109) ZINC | 503147 | 1 |
| 11 | CHAIN, INFEED ROLLERS DRIVE - COMPLETE | 503179 | 1 |

| | | | | |
|-----------|---|-----------|----|--|
| | CHAIN, 10B-1-141 | 503180 | 1 | |
| | LINK, 10B-1Pz MASTER | 088671 | 2 | |
| | TENSIONER, TEKS 5, CHAIN COMPLETE | 503884 | 1 | |
| 12 | TENSIONER, TEKS5 5/8x3/8-12S (T31678+T29422). CHAIN | 503883 | 1 | |
| 13 | BOLT, M6x16 -8.8- SOCKET HEAD ZINC | F81001-21 | 1 | |
| 14 | NUT, M6-8-B-HEX NYLON ZINC LOCK | F81031-2 | 1 | |
| 15 | WASHER, 6,4 FLAT ZINC | F81053-1 | 1 | |
| 16 | BUSHING, 45x16.5x45, SPACER ZINC | 503893-1 | 4 | |
| 17 | PLATE, INFEED ROLLER MOUNTING LEFT | 505473-1 | 1 | |
| 18 | PLATE, INFEED ROLLER MOUNTING RIGHT | 505475-1 | 1 | |
| 19 | BOLT, M10x35-8.8 HEX HEAD FULL THREAD ZINC | F81003-17 | 4 | |
| 20 | BOLT, M12x25-8.8-HEX HEAD FULL THREAD ZINC | F81004-31 | 12 | |
| 21 | BOLT, M16x80 8.8-B- HEX HEAD FULL THREAD ZINC | F81006-11 | 4 | |
| 22 | BOLT, M16X30 8.8 HEX HEAD FULL THREAD ZINC | F81006-36 | 17 | |
| 23 | NUT, M10-8-B -HEX NYLON ZINC LOCK | F81033-1 | 4 | |
| 24 | WASHER, 10,5 FLAT ZINC | F81055-1 | 4 | |
| 25 | WASHER, BN 791 M16/17 Bossard RIBBED LOCK | F81056-13 | 20 | |
| 26 | WASHER, 792 M12/13 (Bossard) RIBBED LOCK | F81056-15 | 12 | |
| 27 | WASHER, 10.5 SPECIAL FLAT ZINC | F81055-6 | 4 | |

10.5 Hold-Down Roller & Anti-Kickback Assembly (EG300)



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|---|-----------|------|
| | HOLD-DOWN ROLLER, COMPLETE | 503150 | 1 |
| | ROLLER, REAR HOLD-DOWN COMPLETE (2) | 507536 | 1 |
| 1 | BEARING, UCFL 205 CX W/HOUSING | 089124 | 4 |
| 2 | TENSIONER, ZINC-PLATED | 089153-1 | 2 |
| 3 | SPRING, HOLD-DOWN ROLLER - ZINC-PLATED | 089689-1 | 2 |
| 4 | DISK, DRIVE RUNNER MOUNTING, PTD | 502190-1 | 1 |
| 5 | BRACKET, HOLD-DOWN ROLLER PTD | 503151-1 | 1 |
| | BRACKET, REAR HOLD-DOWN ROLLER MOUNT (2) PTD | 507534-1 | 1 |
| 6 | ROLLER, PTD HOLD-DOWN | 503170-1 | 1 |
| 7 | PLATE, BEARING HOUSING MOUNTING | 505491-1 | 2 |
| 8 | BOLT, M10x25-8.8-HEX HEAD FULL THREAD ZINC | F81003-11 | 2 |

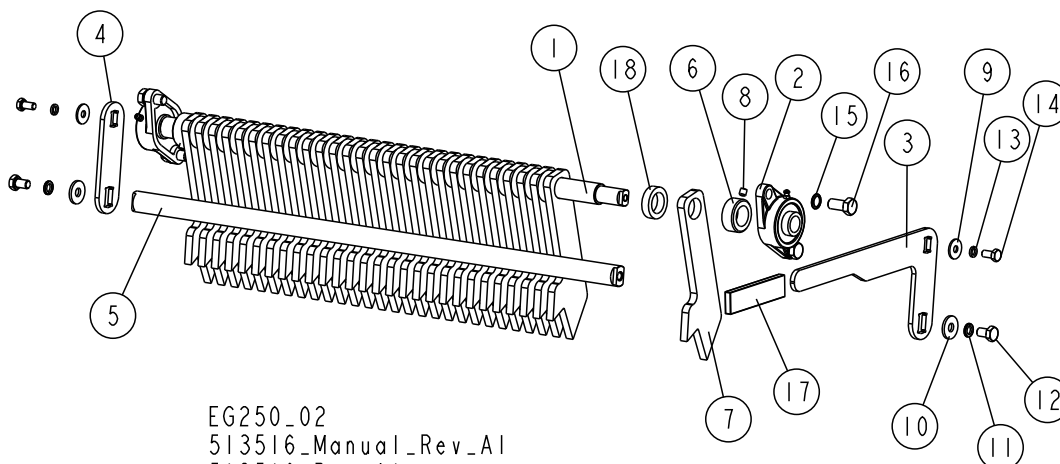
REPLACEMENT PARTS

Hold-Down Roller & Anti-Kickback Assembly (EG300)

10

| | | | | |
|----|---|-----------|----|--|
| 9 | BOLT, M16x40-8.8 HEX HEAD FULL THREAD ZINC | F81006-13 | 2 | |
| 10 | BOLT, M16X30 8.8 HEX HEAD FULL THREAD ZINC | F81006-36 | 6 | |
| 11 | NUT, M10-8-B HEX NYLON ZINC LOCK | F81033-1 | 2 | |
| 12 | NUT, M16-8 HEX NYLON ZINC LOCK | F81036-2 | 2 | |
| 13 | WASHER, 10.5 FLAT ZINC | F81055-1 | 2 | |
| 14 | WASHER, 10.5 SPECIAL FLAT ZINC | F81055-6 | 2 | |
| 15 | WASHER, 791 M10/10.5 RIBBED LOCK | F81055-7 | 2 | |
| 16 | WASHER, BN 791 M16/17 Bos. RIBBED LOCK | F81056-13 | 8 | |
| 17 | WASHER, 17 FLAT ZINC | F81058-1 | 2 | |
| | SAWDUST SHIELD ASSEMBLY | 503163 | 1 | |
| 18 | SHAFT, SAWDUST SHIELD ZINC-PLATED | 089236-1 | 1 | |
| 19 | PLATE, SAWDUST SHIELD ZINC-PLATED | 503153-1 | 18 | |
| 20 | SCREW, M6X10-45H HEX SOCKET SET W/FLAT POINT ZINC | F81001-26 | 2 | |
| 21 | BOLT, M8x20 -5.8-B HEX HEAD FULL THREAD ZINC | F81002-1 | 2 | |
| 22 | RING, 17 Fe/Zn5 STOPPING LIGHT TYPE | F81039-1 | 2 | |
| 23 | WASHER, 8.4 FLAT ZINC | F81054-1 | 2 | |
| 24 | WASHER, 8.2 SPLIT LOCK ZINC | F81054-4 | 2 | |
| | ANTI-KICKBACK ASSEMBLY, COMPLETE | 503158 | 1 | |
| 25 | CAP, RRWA-91626-110 HANDLE END | 086875 | 1 | |
| 26 | BEARING, UCFL 204 CX | 500060 | 2 | |
| 27 | FINGER, ANTI-KICKBACK PTD | 503154-1 | 51 | |
| 28 | SHAFT, ANTI-KICKBACK FINGER | 503159-1 | 1 | |
| 29 | ROD, ANTI-KICKBACK FINGER SUPPORT ZINC-PLATED | 503160-1 | 1 | |
| 30 | HANDLE, ANTI-KICKBACK FINGER LIFT | 503161-1 | 1 | |
| 31 | PLATE, ANTI-KICKBACK LINK | 503162-1 | 1 | |
| 32 | WASHER, ZINC-PLATED SPACER | 503164-1 | 50 | |
| 33 | BOLT, M8x16 -8.8-B HEX HEAD FULL THREAD ZINC | F81002-20 | 2 | |
| 34 | BOLT, M10x16-8.8 HEX HEAD FULL THREAD ZINC | F81003-13 | 2 | |
| 35 | BOLT, M12x25-8.8 HEX HEAD FULL THREAD ZINC | F81004-31 | 4 | |
| 36 | SCREW, M8x8 45H GEOMET HEX SOCKET SET W/FLAT POINT ZINC | F81014-1 | 4 | |
| 37 | RING, 25 ZINC STOPPING LIGHT TYPE | F81039-4 | 2 | |
| 38 | WASHER, 8.5 FLAT SPECIAL ZINC | F81054-11 | 2 | |
| 39 | WASHER, 10.5 FLAT SPECIAL ZINC | F81055-6 | 2 | |
| 40 | WASHER, 792 M12/13 (Bossard) RIBBED LOCK | F81056-15 | 4 | |
| 41 | SWITCH, GLCB01A1B LIMIT | 100931 | 1 | |
| 42 | GLAND, SKINTOP PG 13.5 CABLE | 086524 | 1 | |
| 43 | SCREW, M4x35-8.8 HEX SOCKET HEAD CAP ZINC | F81011-34 | 2 | |
| 44 | WASHER, 4.3 FLAT ZINC | F81051-2 | 2 | |
| 45 | NUT, M4-B HEX NYLON ZINC LOCK | F81029-1 | 2 | |
| 46 | WASHER, 8.2 SPLIT LOCK ZINC | F81054-4 | 2 | |
| 47 | WASHER, 10.2 SPLIT LOCK ZINC | F81055-2 | 2 | |

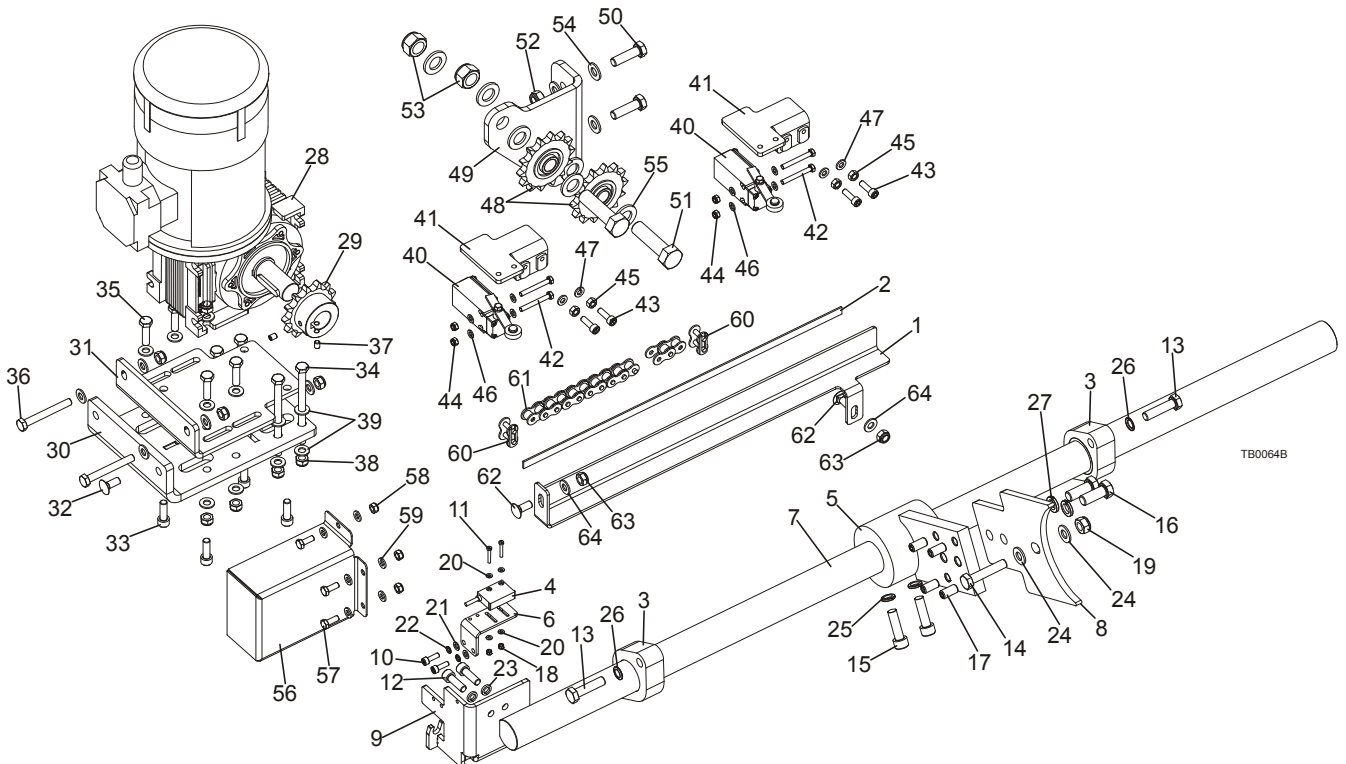
10.6 Anti-Kickback Fingers (EG250)



EG250_02
 513516_Manual_Rev_AI
 513516_Rev_AI
 513520_Rev_AI

| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|---|---------------|----------|
| | ANTIKICKBACK ASSEMBLY | 513520 | 1 |
| 1 | SHAFT, ANTI-KICKBACK FINGER ZINC-PLATED | 503159-1 | 1 |
| 2 | BEARING, UCFL 204 (CX). | 500060 | 2 |
| 3 | HANDLE, ANTI-KICKBACK FINGER LIFT | 503161-1 | 1 |
| 4 | PLATE, ANTI-KICKBACK LINK | 503162-1 | 1 |
| 5 | ROD, ANTI-KICKBACK FINGER SUPPORT ZINC-PL. | 503160-1 | 1 |
| 6 | RING, 25 ZINC-PL. STOPPING LIGHT TYPE | F81039-4 | 2 |
| 7 | FINGER, ANTI-KICKBACK | 503154-1 | 29 |
| 8 | SCREW, M8x8 45H GEOMET HEX SOCKET SET W/FLAT POINT ZINC | F81014-1 | 2 |
| 9 | WASHER, ISO 7093-1-8-200 HV-A2E. | F81054-11 | 2 |
| 10 | WASHER, 10.5 SPECIAL FLAT ZINC | F81055-6 | 2 |
| 11 | WASHER, Z 10.2 SPLIT LOCK ZINC | F81055-2 | 2 |
| 12 | BOLT, M10X16-8.8 HEX HEAD FULL THREAD ZINC | F81003-13 | 2 |
| 13 | WASHER, 8.2 SPLIT LOCK ZINC | F81054-4 | 2 |
| 14 | BOLT, M8X16-8.8-B HEX HEAD FULL THREAD ZINC | F81002-20 | 2 |
| 15 | WASHER, 792 M12/13 (Bossard) RIBBED LOCK | F81056-15 | 4 |
| 16 | BOLT, M12X25-8.8 HEX HEAD FULL THREAD ZINC | F81004-31 | 4 |
| 17 | CAP, RRWA 91626 HANDLE END | 086875 | 1 |
| 18 | BUSHING, 25.5/38.5-10 | 513521-1 | 28 |

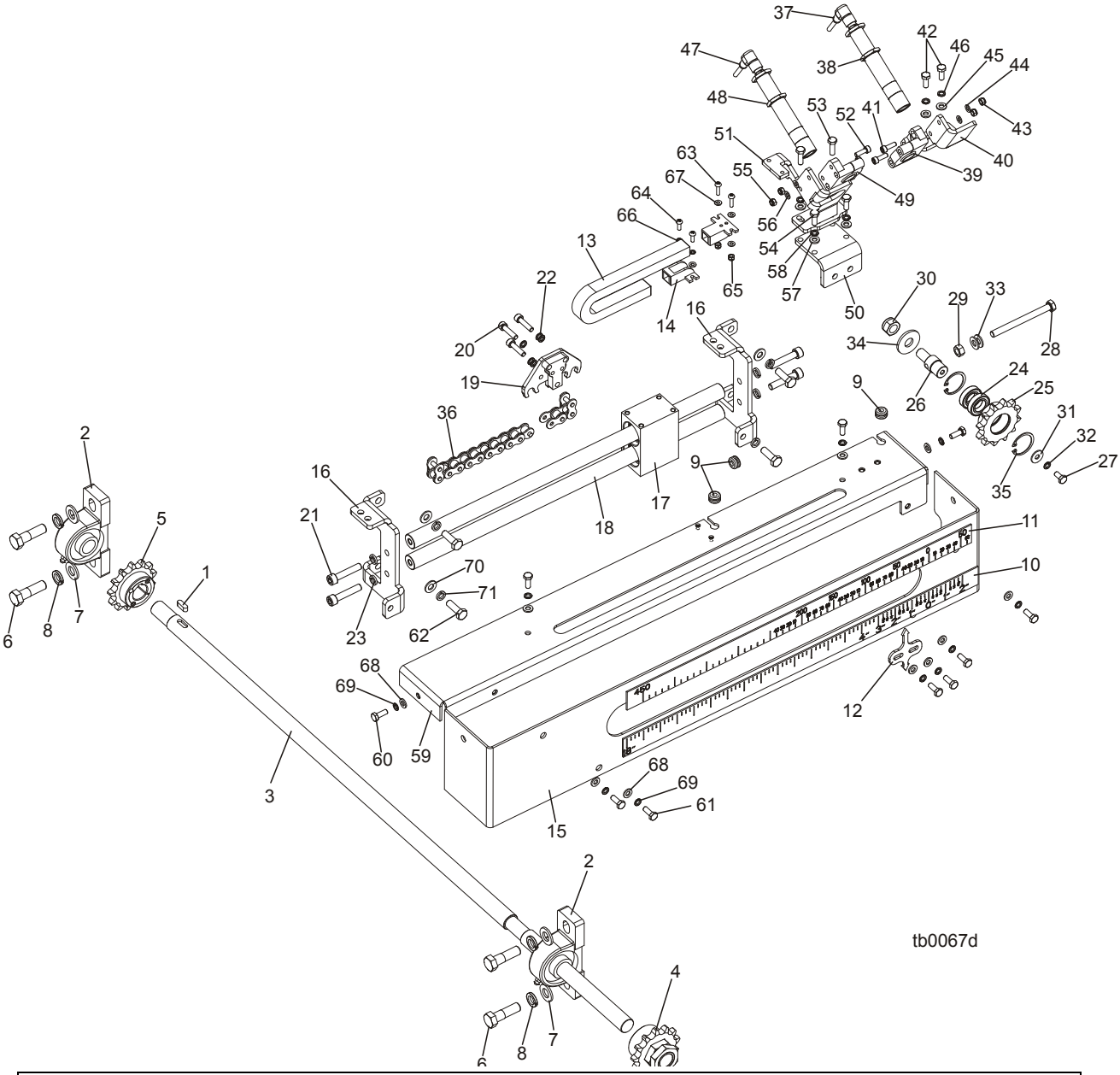
10.7 Blade Setting Assembly



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|--|-----------|------|
| | BLADE AND LASER SETTING DRIVE ASSEMBLY, COMPLETE | 503903 | 1 |
| 1 | BRACKET, MAGNETIC STRIP | 101025-1 | 1 |
| 2 | STRIP, l=450mm MAGNETIC | 101410-1 | 1 |
| | MOVING BLADE SLIDE SHAFT, COMPLETE | 503902 | 1 |
| 3 | BEARING, COMPLETE | 089134 | 2 |
| 4 | SENSOR, MSK-320 | 096014 | 1 |
| 5 | BRACKET, BLADE SLIDE | 101009-1 | 1 |
| 6 | BRACKET, SENSOR MOUNT | 101399-1 | 1 |
| 7 | SHAFT, BLADE SLIDE BLOCK | 101417-1 | 1 |
| 8 | PLATE, BLADE SLIDE ZINC-PLATED | 500549-1 | 1 |
| 9 | BRACKET, BLADE SLIDE CHAIN HOLDER | 503911-1 | 1 |
| 10 | BOLT, M5x16-8.8-SOCKET HEAD ZINC | F81000-25 | 2 |
| 11 | SCREW, M3x20-5.8-A-PAN HEAD ZINC | F81000-8 | 2 |
| 12 | BOLT, M8x25 -8.8- SOCKET HEAD ZINC | F81002-21 | 2 |
| 13 | BOLT, M10x40-8.8 HEX HEAD FULL THREAD ZINC | F81003-16 | 4 |
| 14 | BOLT, M10x50-8.8-HEX HEAD FULL THREAD ZINC | F81003-4 | 1 |
| 15 | BOLT, M10x35 SOCKET HEAD ZINC | F81003-56 | 2 |
| 16 | BOLT, M12x30-8.8-HEX HEAD FULL THREAD ZINC | F81004-22 | 2 |
| 17 | SCREW, M10x1x20 DIN913 STAINLESS STEEL | F81015-1 | 4 |
| 18 | NUT, M3-6-HEX NYLON ZINC LOCK | F81028-2 | 2 |
| 19 | NUT, M10-8-B -HEX NYLON ZINC LOCK | F81033-1 | 1 |
| 20 | WASHER, 3,2 FLAT ZINC | F81050-2 | 4 |
| 21 | WASHER, 5,3 FLAT ZINC | F81052-1 | 2 |
| 22 | WASHER, 5,1 SPLIT LOCK ZINC | F81052-2 | 2 |

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|----|---|-----------|----|--|
| 23 | WASHER, 8,2 SPLIT LOCK ZINC | F81054-4 | 2 | |
| 24 | WASHER, 10,5 FLAT ZINC | F81055-1 | 2 | |
| 25 | WASHER, 10,2 SPLIT LOCK ZINC | F81055-2 | 2 | |
| 26 | WASHER, 791 M10/10.5 RIBBED LOCK | F81055-7 | 4 | |
| 27 | WASHER, Z12,2 SPLIT LOCK ZINC | F81056-2 | 2 | |
| | MOTOREDUCER, BLADE DISTANCE SETTING DRIVE, COMPLETE | 503908 | 1 | |
| 28 | MOTOREDUCER, MR-50/78/0.18-900 K3/B8 | 101024 | 1 | |
| 29 | SPROCKET, Z=13, 10B T72572, ZINC-PLATED | 502382-1 | 1 | |
| 30 | BASE, BLADE DISTANCE SETTING REDUCER, PTD | 503904-1 | 1 | |
| 31 | PLATE, MOVABLE PTD | 503905-1 | 1 | |
| 32 | BOLT, M8x20-8.8 MUSHROOM HEAD SQUARE NECK ZINC | F81002-11 | 1 | |
| 33 | SCREW, M8x25 -8.8- HEX SOCKET HEAD CAP ZINC | F81002-21 | 4 | |
| 34 | BOLT, M8x110 -8.8- HEX HEAD ZINC | F81002-53 | 2 | |
| 35 | BOLT, M8x30-8.8-B-HEX HEAD FULL THREAD ZINC | F81002-7 | 6 | |
| 36 | BOLT, M8x65 8.8 HEX HEAD FULL THREAD ZINC | F81002-9 | 2 | |
| 37 | SCREW, M6x8 45H GEOMET | F81013-1 | 2 | |
| 38 | NUT, M8-8-B-HEX NYLON ZINC LOCK | F81032-2 | 15 | |
| 39 | WASHER, 8,4-LOCK ZINC | F81054-1 | 25 | |
| | BLADE DISTANCE SETTING SAFETY SWITCH, COMPLETE | 503910 | 1 | |
| 40 | SWITCH, GLCB01A2B (HONEYWELL) SAFETY | 086469 | 2 | |
| 41 | BASE, SAFETY SWITCH (EDGER) | 500553-1 | 2 | |
| 42 | BOLT, M5x40-8.8-HEX HEAD FULL THREAD ZINC | F81000-74 | 4 | |
| 43 | SCREW, M6x20 -8.8- SOCKET HEAD ZINC | F81001-22 | 4 | |
| 44 | NUT, M5-8-DIN 985 ZINC | F81030-2 | 4 | |
| 45 | NUT, M6-8-HEX ZINC | F81031-1 | 4 | |
| 46 | WASHER, 5,3 FLAT ZINC | F81052-1 | 8 | |
| 47 | WASHER, 6,4 FLAT ZINC | F81053-1 | 4 | |
| | SPROCKET ASSEMBLY, COMPLETE | 503914 | 1 | |
| 48 | SPROCKET, Z14 5/8"x3/8" W/BEARING | 088867 | 2 | |
| 49 | BRACKET, SPROCKET PTD | 503915-1 | 1 | |
| 50 | BOLT, M10x35-8.8 HEX HEAD FULL THREAD ZINC | F81003-17 | 2 | |
| 51 | BOLT, M16x60 8.8 HEX HEAD FULL THREAD ZINC | F81006-12 | 2 | |
| 52 | NUT, M10-8-B -HEX NYLON ZINC LOCK | F81033-1 | 2 | |
| 53 | NUT, M16-8-HEX NYLON ZINC LOCK | F81036-2 | 2 | |
| 54 | WASHER, 10,5 FLAT ZINC | F81055-1 | 4 | |
| 55 | WASHER, 17 FLAT ZINC | F81058-1 | 6 | |
| | BLADE DISTANCE SETTING CHAIN COVER, COMPLETE | 505465 | 1 | |
| 56 | COVER, BLADE DISTANCE SETTING PTD | 505466-1 | 1 | |
| 57 | BOLT, M6x20 8.8 HEX HEAD FULL THREAD ZINC | F81001-2 | 3 | |
| 58 | NUT, M6-8-B-HEX NYLON ZINC LOCK | F81031-2 | 3 | |
| 59 | WASHER, 6,4 FLAT ZINC | F81053-1 | 6 | |
| | BLADE AND LASER SETTING CHAIN, COMPLETE | 505467 | 1 | |
| 60 | LINK, 10B-1Pz MASTER | 088671 | 2 | |
| 61 | CHAIN, 10B-133 | 505468 | 1 | |
| 62 | BOLT, M8x20-8.8 MUSHROOM HEAD SQUARE NECK ZINC | F81002-11 | 2 | |
| 63 | NUT, M8-8-B-HEX NYLON ZINC LOCK | F81032-2 | 2 | |
| 64 | WASHER, 8,4-FLAT ZINC | F81054-1 | 2 | |
| | LASER DISTANCE SETTING DRIVE SHAFT, COMPLETE - See Section 10.8 | 503921 | 1 | |
| | LASER MOUNT AND GUIDE ASSEMBLY, COMPLETE - See Section 10.8 | 503925 | 1 | |

10.8 Laser Guide Assembly (EG300)

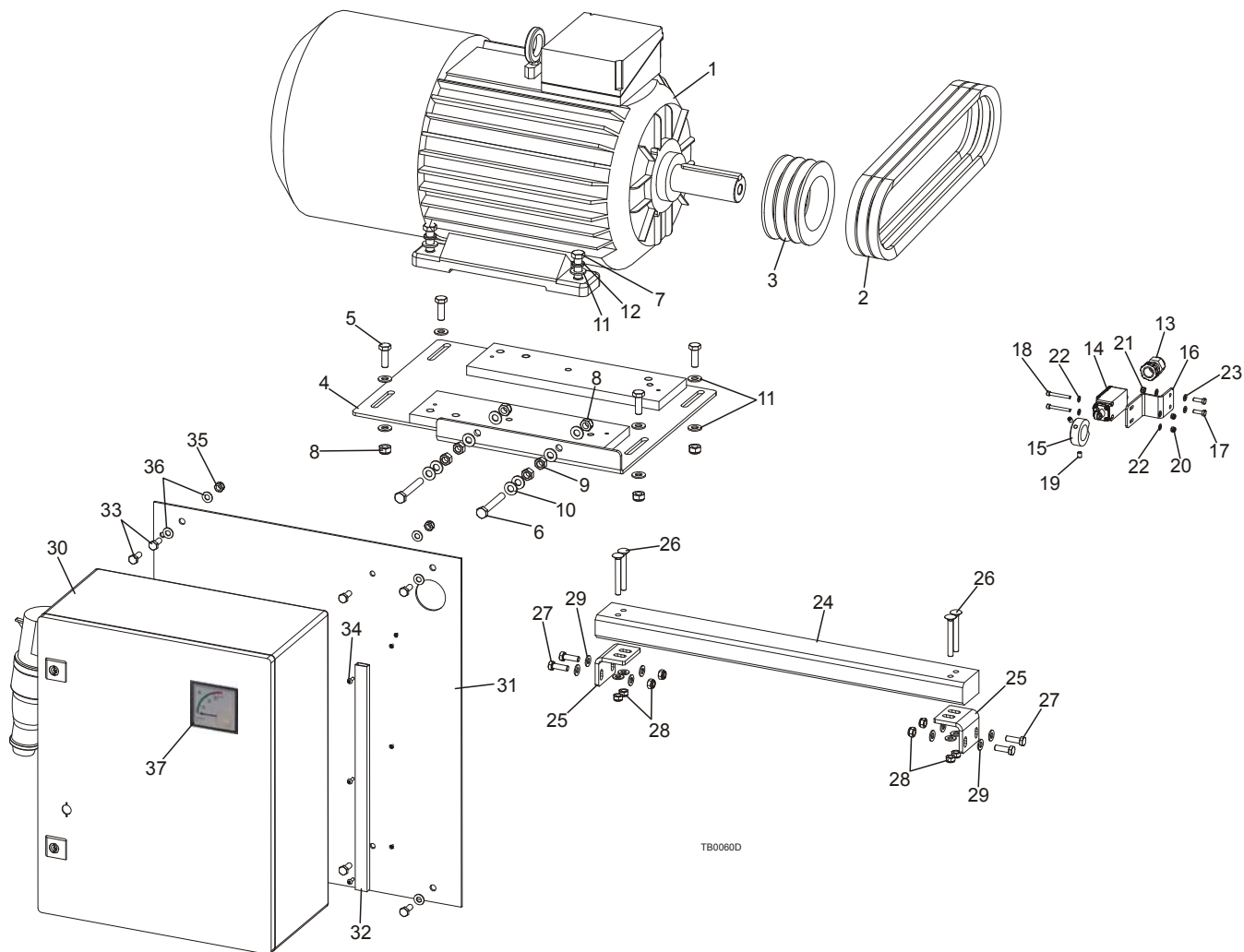


| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|--|----------|------|
| | LASER DISTANCE SETTING DRIVE SHAFT | 503921 | 1 |
| 1 | KEY, A 6x6x18 PARALLEL | 089404 | 1 |
| 2 | BEARING, UCP 204 CX | 500059 | 2 |
| 3 | SHAFT, LASER DISTANCE SETTING DRIVE, ZINC-PLATED | 503920-1 | 1 |
| 4 | SPROCKET, Z=13, 10B W/BUSHING S203K COMPLETE | 503924 | 1 |
| 5 | SPROCKET, 3/8"/5/8" 13Z,10B-1/22, (T43993+T31013), ZINC | 505481 | 1 |
| 6 | BOLT, M12x40-8.8 HEX HEAD ZINC | F81004-1 | 4 |
| 7 | WASHER, 13 FLAT ZINC | F81056-1 | 4 |
| 8 | WASHER, Z12,2 SPLIT LOCK ZINC | F81056-2 | 4 |

| | LASER MOUNT AND GUIDE ASSEMBLY | 503925 | 1 | |
|----|--|-----------|---|--|
| 9 | SEAL WIRE, GH6 RUBBER | 085338 | 3 | |
| 10 | SCALE, EDGER INCH | 101006 | 1 | |
| 11 | SCALE, EDGER METRIC | 101007 | 1 | |
| 12 | POINTER, BLADE SCALE | 500068-1 | 1 | |
| 13 | GUIDE, CHAIN SR20012018 (EDGER) | 500621 | 1 | |
| 14 | BRACKET, AN20012K (complete) MOUNTING | 500622 | 1 | |
| 15 | GUARD, EDGER LASER | 500743-1 | 1 | |
| | LASER GUIDE, COMPLETE | 503916 | 1 | |
| 16 | BRACKET, GUARDS COMPLETE | 500070-1 | 2 | |
| 17 | BLOCK, LASER GUIDE, COMPLETE | 504010 | 1 | |
| 18 | ROD, LASER GUIDE | 504359 | 2 | |
| 19 | BRACKET, LASER CHAIN, PTD | 505459-1 | 1 | |
| 20 | SCREW, M6x25 -8.8-HEX SOCKET HEAD CAP ZINC | F81001-41 | 3 | |
| 21 | SCREW, M8x40 -8.8- HEX SOCKET HEAD CAP ZINC | F81002-29 | 4 | |
| 22 | WASHER, Z 6,1 SPLIT LOCK ZINC | F81053-3 | 5 | |
| 23 | WASHER, 8,2 SPLIT LOCK ZINC | F81054-4 | 4 | |
| | LASER CHAIN TENSIONER, COMPLETE | 503917 | 1 | |
| 24 | BEARING, 61903 2RS BALL | 500051 | 2 | |
| 25 | SPROCKET, Z=12, 10B-1, ZINC | 503918-1 | 1 | |
| 26 | SHAFT, TENSIONER SPROCKET, ZINC | 503919-1 | 1 | |
| 27 | BOLT, M6x12-8.8-HEX HEAD FULL THREAD ZINC | F81001-7 | 1 | |
| 28 | BOLT, M8x90-8.8-HEX HEAD FULL THREAD ZINC | F81002-16 | 1 | |
| 29 | NUT, M8-8-B-HEX ZINC | F81032-1 | 1 | |
| 30 | NUT, M12-8 HEX NYLON ZINC LOCK | F81034-2 | 1 | |
| 31 | WASHER, 6,5 SPECIAL FLAT ZINC | F81053-11 | 1 | |
| 32 | WASHER, Z 6,1 SPLIT LOCK ZINC | F81053-3 | 1 | |
| 33 | WASHER, 8,4-FLAT ZINC | F81054-1 | 2 | |
| 34 | WASHER, 13 FLAT SPECIAL | F81056-12 | 1 | |
| 35 | RING, Z28 OUTSIDE RETAINING | F81090-12 | 2 | |
| 36 | LASER GUIDE CHAIN, COMPLETE | 503926 | 1 | |
| | CHAIN, 10B-89 | 503927 | 1 | |
| | LINK, 10B-1Pz MASTER | 088671 | 2 | |
| | LASER W/HOUSING, COMPLETE | 505469 | 1 | |
| 37 | CABLE, 5 M | 087652 | 1 | |
| 38 | LASER, Z5M18B-F-532-IG90 LINEAR (GREEN BEAM) | 501025 | 1 | |
| 39 | BRACKET, SMB 18SF LASER | 503469 | 1 | |
| 40 | BRACKET, LASER PTD | 505470-1 | 1 | |
| 41 | SCREW, M5x16-8.8-HEX SOCKET HEAD CAP ZINC | F81000-25 | 2 | |
| 42 | BOLT, M6x16-8.8-HEX HEAD FULL THREAD ZINC | F81001-32 | 2 | |
| 43 | NUT, M5-8-Fe/Zn5 DIN 985 | F81030-2 | 2 | |
| 44 | WASHER, 5,3 FLAT ZINC | F81052-1 | 2 | |
| 45 | WASHER, 6,4 FLAT ZINC | F81053-1 | 2 | |
| 46 | WASHER, Z 6,1 SPLIT LOCK ZINC | F81053-3 | 2 | |
| | MOVABLE LASER W/HOUSING, COMPLETE | 505471 | 1 | |
| 47 | CABLE, 5 M | 087652 | 1 | |
| 48 | LASER, Z5M18B-F-532-IG90 LINEAR (GREEN BEAM) | 501025 | 1 | |
| 49 | BRACKET, SMB 18SF LASER | 503469 | 1 | |
| 50 | BRACKET, INDICATOR ZINC | 505462-1 | 1 | |

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|----|--|-----------|----|--|
| 51 | BRACKET, MOVABLE LASER PTD | 505472-1 | 1 | |
| 52 | SCREW, M5x16-8.8-HEX SOCKET HEAD CAP ZINC | F81000-25 | 2 | |
| 53 | BOLT, M6x20-8.8-HEX HEAD FULL THREAD ZINC | F81001-2 | 2 | |
| 54 | BOLT, M6x16-8.8-HEX HEAD FULL THREAD ZINC | F81001-32 | 2 | |
| 55 | NUT, M5-8-Fe/Zn5 DIN 985 | F81030-2 | 2 | |
| 56 | WASHER, 5,3 FLAT ZINC | F81052-1 | 2 | |
| 57 | WASHER, 6,4 FLAT ZINC | F81053-1 | 4 | |
| 58 | WASHER, Z 6,1 SPLIT LOCK ZINC | F81053-3 | 4 | |
| 59 | COVER, LASERS UPPER PTD | 505861-1 | 1 | |
| 60 | BOLT, M6x16 8.8 HEX HEAD FULL THREAD ZINC | F81001-15 | 8 | |
| 61 | BOLT, M6x16-8.8-HEX HEAD FULL THREAD ZINC | F81001-32 | 2 | |
| 62 | BOLT, M8x25-8.8-B-HEX HEAD FULL THREAD ZINC | F81002-5 | 4 | |
| 63 | SCREW, M4x16 5,8-B CROSS RECESSED PAN HEAD | F81011-42 | 2 | |
| 64 | SCREW, M4x12 -5,8-B- CROSS RECESSED PAN HEAD | F81011-43 | 2 | |
| 65 | NUT, M4-B HEX NYLON ZINC LOCK | F81029-1 | 2 | |
| 66 | WASHER, Z 4,1 SPLIT LOCK ZINC | F81051-1 | 2 | |
| 67 | WASHER, 4,3 FLAT ZINC | F81051-2 | 6 | |
| 68 | WASHER, 6,4 FLAT ZINC | F81053-1 | 10 | |
| 69 | WASHER, 6,4 FLAT ZINC | F81053-3 | 10 | |
| 70 | WASHER, 8,4-FLAT ZINC | F81054-1 | 4 | |
| 71 | WASHER, 8,2 SPLIT LOCK ZINC | F81054-4 | 4 | |

10.9 Motor Assembly



TB0060D

| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|--|-----------|------|
| | EDGER MOTOR ASSEMBLY, E20 COMPLETE | 503183 | 1 |
| | EDGER MOTOR ASSEMBLY, E25 COMPLETE | 503189 | 1 |
| 1 | MOTOR, 1LA7166-2AA60-Z G26+C01 (E25) | 087397 | 1 |
| | MOTOR ELECTR.15KW WITH BRAKE SG160M2B (E20) | 087396 | 1 |
| 2 | V-BELT, B39 1040 Lp, EDGER | 101130 | 3 |
| 3 | SHEAVE, PBT SPB3 125/42, (F02321+T31111) | 503149 | 1 |
| 4 | PLATE, E15, E20, E25 MOTOR MOUNT PTD | 503190-1 | 1 |
| 5 | BOLT, M10x30-5.8-HEX HEAD FULL THREAD ZINC | F81003-2 | 4 |
| 6 | BOLT, M10x70-8.8-HEX HEAD FULL THREAD ZINC | F81003-20 | 2 |
| 7 | BOLT, M12x35-8.8-HEX HEAD FULL THREAD ZINC | F81004-24 | 4 |
| 8 | NUT, M10-8-B -HEX NYLON ZINC LOCK | F81033-1 | 6 |
| 9 | NUT, M10-8-B-HEX ZINC | F81033-3 | 4 |
| 10 | WASHER, 10,5 FLAT ZINC | F81055-1 | 16 |

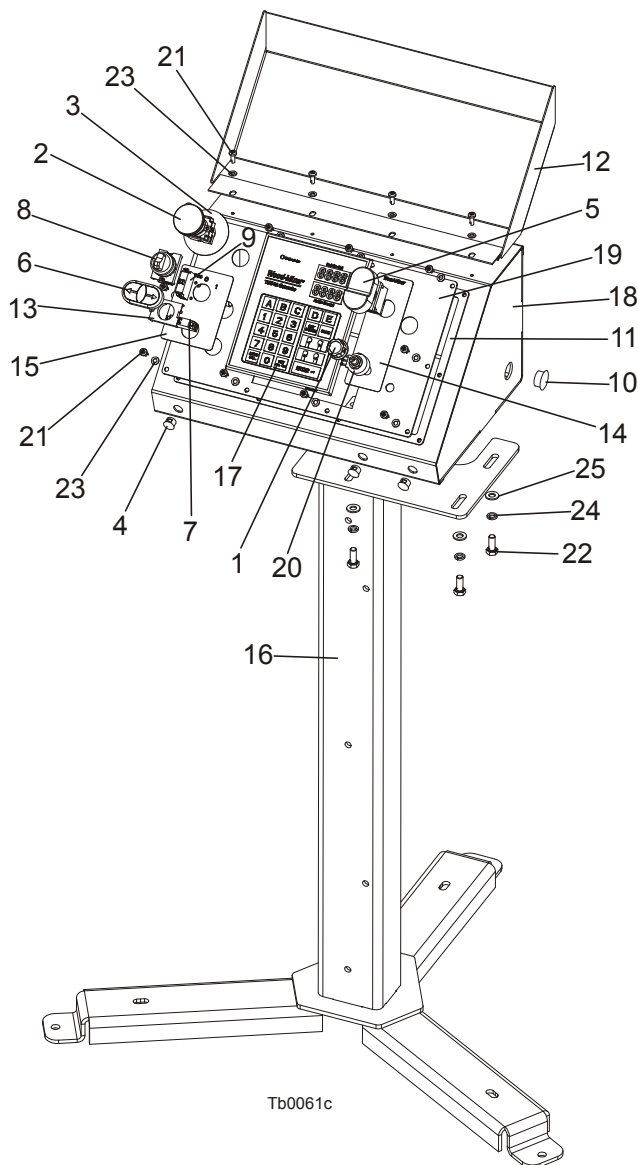
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|----|---|-----------|----|--|
| 11 | WASHER, 13 FLAT ZINC | F81056-1 | 4 | |
| 12 | WASHER, Z12,2 SPLIT LOCK ZINC | F81056-2 | 4 | |
| | HOLD-DOWN ROLLER SAFETY SWITCH, COMPLETE | 505860 | 1 | |
| 13 | GLAND, SKINTOP ST PG 13,5 GREY CABLE | 086524 | 1 | |
| 14 | SWITCH, GLCB01C SAFETY | 100910 | 1 | |
| 15 | CAM, SAFETY SWITCH | 500073 | 1 | |
| 16 | BRACKET, SAFETY SWITCH PTD | 500140-1 | 1 | |
| 17 | BOLT, M5x16-5.8-HEX HEAD FULL THREAD ZINC | F81000-51 | 2 | |
| 18 | SCREW, M4x35 -8.8- HEX SOCKET HEAD CAP ZINC | F81011-34 | 2 | |
| 19 | SCREW, M6x8 45H GEOMET | F81013-1 | 2 | |
| 20 | NUT, M4-B HEX NYLON ZINC LOCK | F81029-1 | 2 | |
| 21 | NUT, M5-8-Fe/Zn5 DIN 985 | F81030-2 | 2 | |
| 22 | WASHER, 4,3 FLAT ZINC | F81051-2 | 4 | |
| 23 | WASHER, 5,3 FLAT ZINC | F81052-1 | 4 | |
| | COMPLETE ANTI-KICKBACK BAR | 505858 | 1 | |
| 24 | BAR, ANTI-KICKBACK | 089055 | 1 | |
| 25 | BRACKET, ANTI-KICKBACK BAR, PTD | 505859-1 | 2 | |
| 26 | BOLT, M8x65-8.8 MUSHROOM HEAD SQUARE NECK ZINC | F81002-24 | 4 | |
| 27 | BOLT, M8x25-8.8-B-HEX HEAD FULL THREAD ZINC | F81002-5 | 4 | |
| 28 | NUT, M8-8-B-HEX NYLON ZINC LOCK | F81032-2 | 8 | |
| 29 | WASHER, 8,4-FLAT ZINC | F81054-1 | 12 | |
| | EG300 EDGER FRONT COVER - COMPLETE | 505489 | 1 | |
| 30 | BOX, 400V ELECTRIC | 100776 | 1 | |
| 31 | COVER, EG300 EDGER FRONT, PTD | 505487-1 | 1 | |
| 32 | CONDUITE, LONG VERTICAL CABLE | 505863 | 1 | |
| 33 | BOLT, M8x20-8.8-B-HEX HEAD FULL THREAD ZINC | F81002-4 | 8 | |
| 34 | SCREW, M4x12 -5,8-B- CROSS RECESSED PAN HEAD | F81011-43 | 3 | |
| 35 | NUT, M8-8-B-HEX NYLON ZINC LOCK | F81032-2 | 4 | |
| 36 | WASHER, 8,4-FLAT ZINC | F81054-1 | 8 | |
| 37 | AMMETER, EQB72 40/80A for E25 motor | 505373 | 1 | |
| | AMMETER, EQB72 30/60A for E20 motor | 505372 | 1 | |

10

REPLACEMENT PARTS

Control Box (EG300 CE ONLY)

10.10 Control Box (EG300 CE ONLY)



Tb0061c

| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|--|----------|------|
| | EG300 EDGER CONTROL BOX - COMPLETE | 504374 | 1 |
| 1 | KNOB, 1/4"ID FLUTED ROUND PLASTIC | 033478 | 1 |
| 2 | SWITCH, XB4 BS542 EMERGENCY STOP | 086556 | 1 |
| 3 | WASHER, ZBY9330 EMERGENCY STOP SWITCH | 086561 | 1 |
| 4 | CAP, 12.7 HEYMAN DP 500 #2643 HOLE | 086773 | 3 |
| 5 | SWITCH, 24V ILLUMINATED START/STOP | 090452 | 1 |
| 6 | BUTTON, M22-DDL-S-X7/X7 | 090917 | 1 |
| 7 | ELEMENT, M22-K10 CONTACT | 091362 | 1 |
| 8 | SWITCH, 2POSITION KEY | 091467 | 1 |
| 9 | ELEMENT, M22-K01 CONTACT | 092684 | 1 |
| 10 | CAP, SR1086 NA OT.22,2 HOLE | 093544 | 2 |
| 11 | GASKET, CONTROL BOX | 097132 | 1 |
| 12 | COVER, LT20/40 CONTROL BOX - COMPLETE | 097135-1 | 1 |

REPLACEMENT PARTS
Control Box (EG300 CE ONLY)

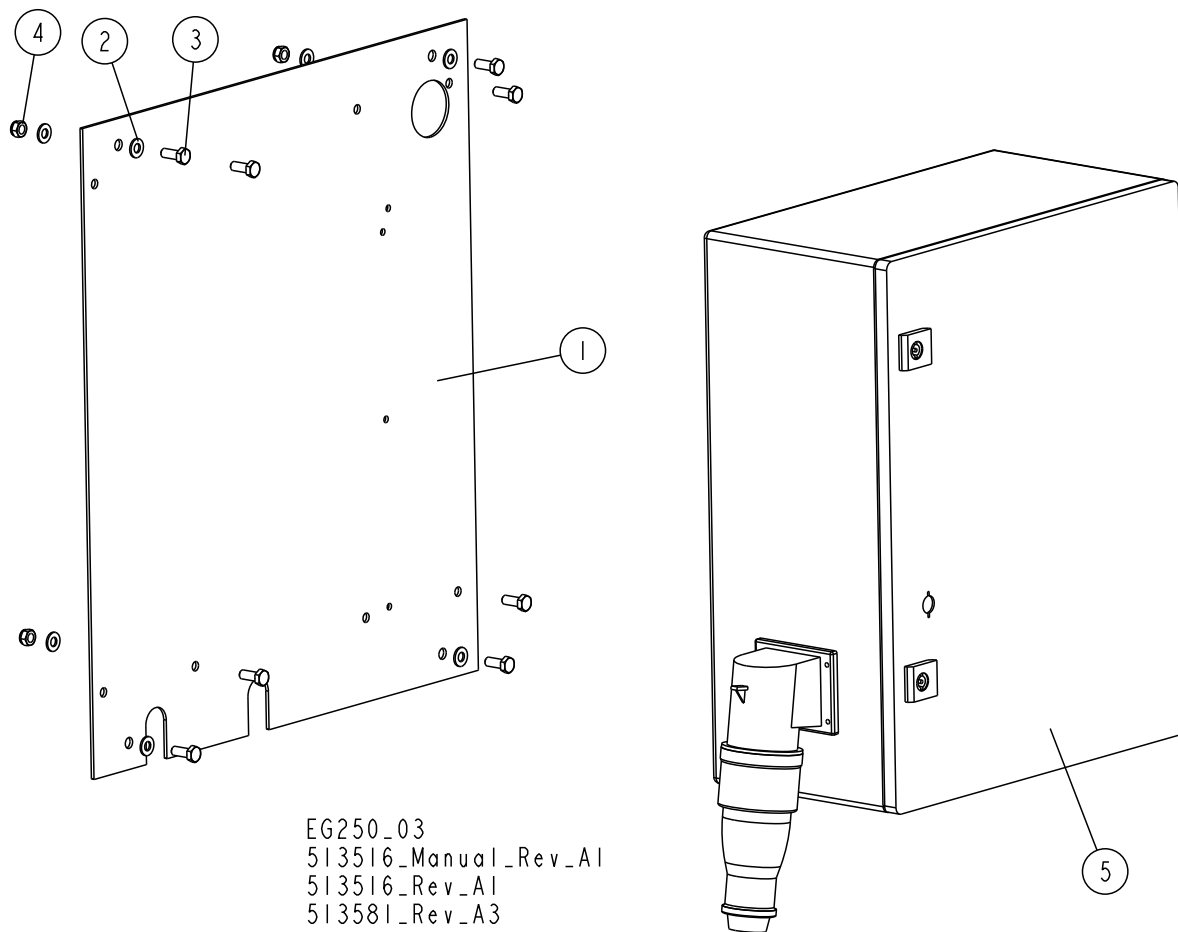
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|-----------|---|-----------|----|--|
| 13 | LINK, M22-A | 100905 | 1 | |
| 14 | DECAL, EDGER 1 CONTROL BOX | 500035 | 1 | |
| 15 | DECAL, EDGER 2 CONTROL BOX | 500035-1 | 1 | |
| 16 | STAND, LT20B CONTROL BOX | 501651-1 | 1 | |
| 17 | CONTROLLER, TBS01 | 503467 | 1 | |
| 18 | CONTROL BOX, TVS | 503536-1 | 1 | |
| 19 | PANEL, EG300 CONTROL BOX | 504375-1 | 1 | |
| 20 | POTENTIOMETER, 1k | E20519 | 1 | |
| 21 | BOLT, #10-24 x 1/2 PH PAN HEAD TYPE 23 | F05015-17 | 14 | |
| 22 | BOLT, M8x20-8.8-B-HEX HEAD FULL THREAD ZINC | F81002-4 | 4 | |
| 23 | WASHER, 5,3 FLAT ZINC | F81052-1 | 14 | |
| 24 | WASHER, 8,4-FLAT ZINC | F81054-1 | 4 | |
| 25 | WASHER, 8,2 SPLIT LOCK ZINC | F81054-4 | 4 | |

10 REPLACEMENT PARTS

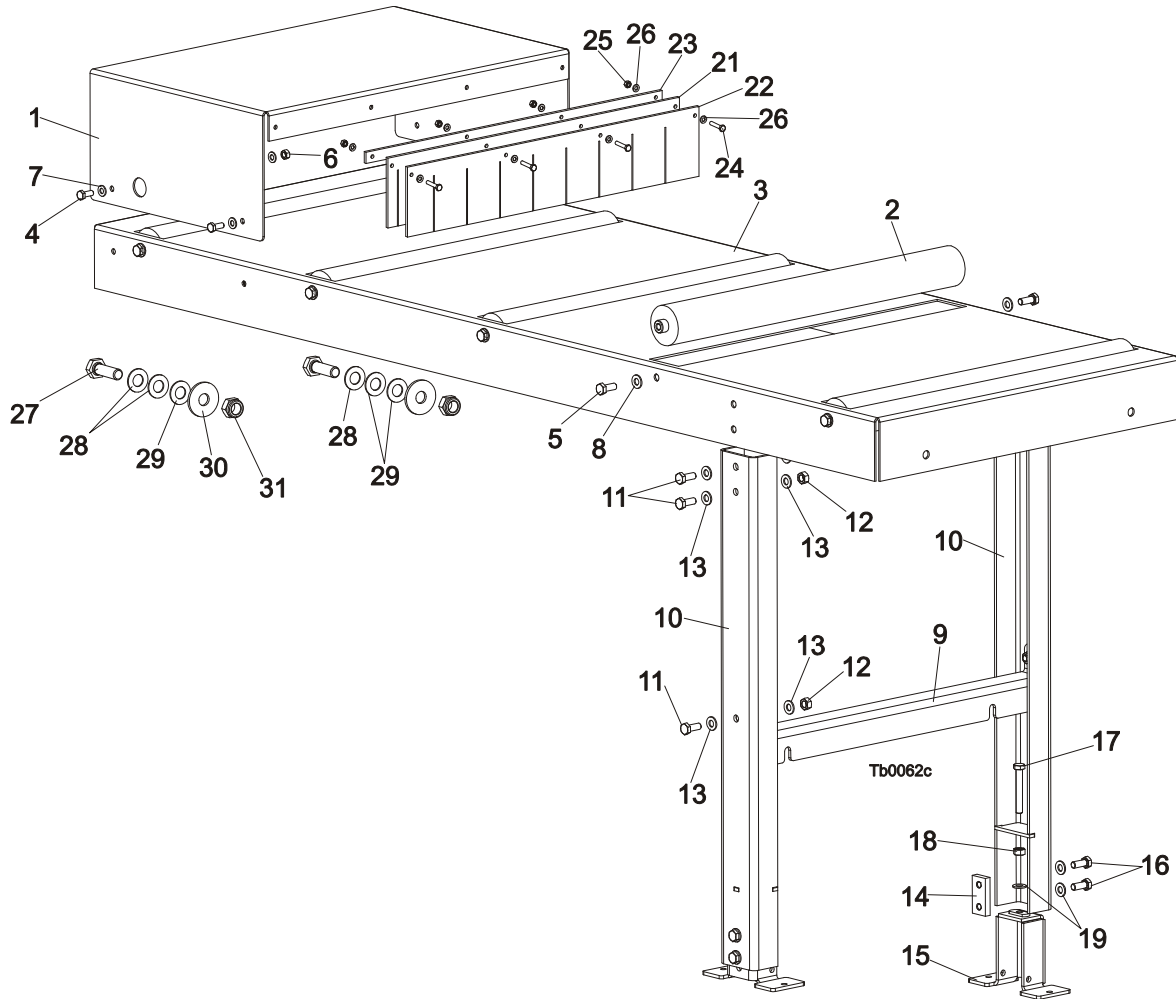
Electric Box (EG250)

10.11 Electric Box (EG250)



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|--|---------------|----------|
| | COVER, EG250 EDGER FRONT - COMPLETE | 513581 | 1 |
| 1 | PLATE, FRONT EDGER COVER | 505488-1 | 1 |
| 2 | WASHER, 8.4 FLAT ZINC | F81054-1 | 8 |
| 3 | BOLT, M8X20 8.8 HEX HEAD FULL THREAD ZINC | F81002-4 | 8 |
| 4 | NUT, M8 8 HEX NYLON ZINC LOCK | F81032-2 | 4 |
| 5 | BOX, EG250 ELECTRIC | 512953 | 1 |

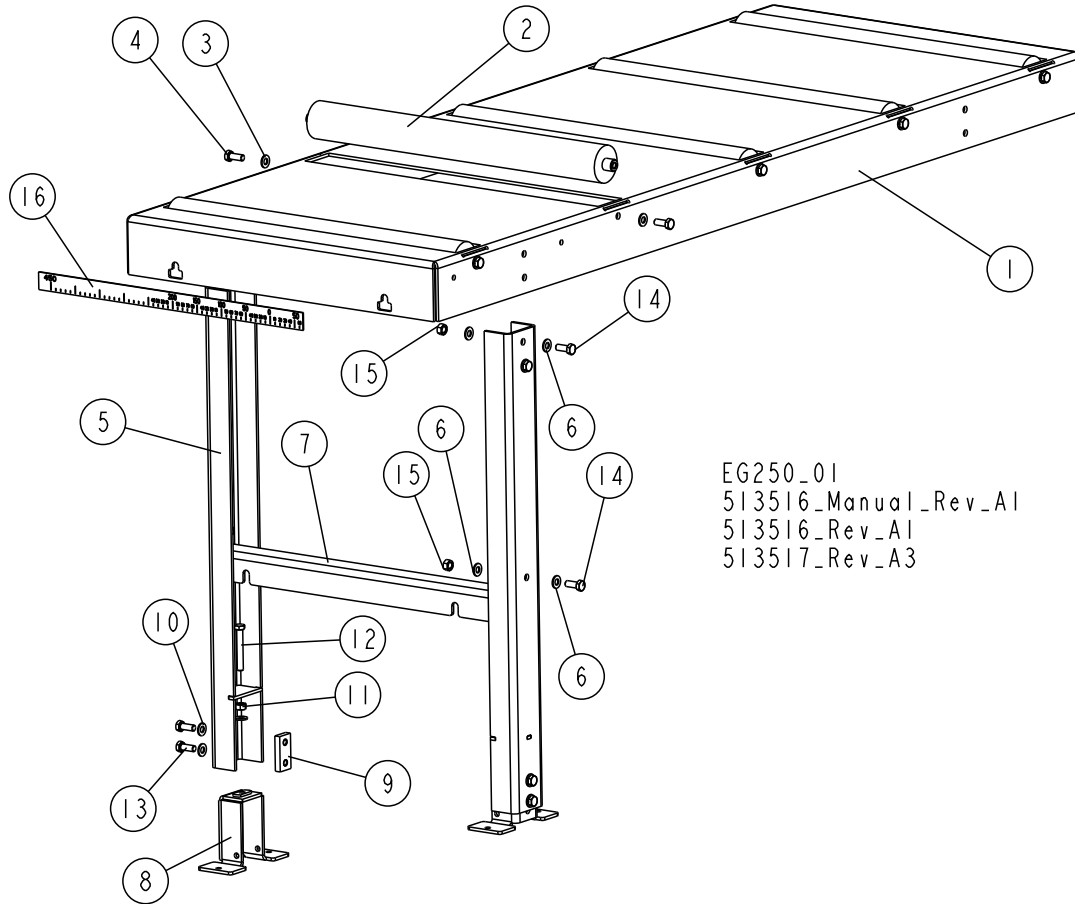
10.12 Table (EG300)



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|---|-----------|------|
| | TABLE, EDGER COMPLETE | 101400 | 1 |
| 1 | GUARD, BOARD | 099299-1 | 1 |
| 2 | ROLLER, 63.5/20x590 (EDGER) | 501090-1 | 5 |
| 3 | TOP, TABLE | 500078-1 | 1 |
| 4 | BOLT, M8x20-5.8-HEX HEAD FULL THREAD ZINC | F81002-1 | 4 |
| 5 | BOLT, M10x25-8.8-HEX HEAD FULL THREAD ZINC | F81003-11 | 10 |
| 6 | NUT, M8-8-B-HEX ZINC | F81032-1 | 4 |
| 7 | WASHER, 8,4-FLAT ZINC | F81054-1 | 8 |
| 8 | WASHER, 10,5 Fe/Zn5 PN-78/M-82005 | F81055-1 | 10 |
| | LEG, EDGER TABLE COMPLETE | 500118 | 1 |
| 9 | PLATE, TABLE LEG CONNECTION | 500074-1 | 1 |
| 10 | LEG, EDGER TABLE | 500076-1 | 2 |
| 11 | BOLT, M10x25-8.8-HEX HEAD FULL THREAD ZINC | F81003-11 | 6 |
| 12 | NUT, M10-8-B-HEX ZINC | F81033-3 | 6 |
| 13 | WASHER, 10,5 FLAT ZINC | F81055-1 | 12 |
| | COMPLETE ADJUSTABLE LEG FOOT | 101014 | 2 |
| 14 | PLATE, M10 CLAMPING ZINC-PLATED | 101242-1 | 1 |
| 15 | FOOT, LEG ADJUSTABLE | 101022-1 | 1 |

| | | | | |
|----|--|-----------|---|--|
| 16 | BOLT, M10x25-8.8-HEX HEAD FULL THREAD ZINC | F81003-11 | 2 | |
| 17 | BOLT, M10x70-8.8-HEX HEAD FULL THREAD ZINC | F81003-20 | 1 | |
| 18 | NUT, M10-8-B-HEX ZINC | F81033-3 | 1 | |
| 19 | WASHER, 10,5 FLAT ZINC | F81055-1 | 3 | |
| 20 | BOARD ENTER COVER | 500143 | 1 | |
| 21 | PLATE, 1 PLASTIC | 089380 | 1 | |
| 22 | PLATE, 2 PLASTIC | 089381 | 1 | |
| 23 | BAR, PLASTIC PLATE MOUNTING | 500142-1 | 1 | |
| 24 | BOLT, M6x30 5.8 HEX HEAD FULL THREAD ZINC | F81001-13 | 4 | |
| 25 | NUT, M6-8-HEX ZINC | F81031-1 | 4 | |
| 26 | WASHER, 6,4 FLAT ZINC | F81053-1 | 8 | |
| 27 | BOLT, M12x40 8.8 HEX HEAD FULL THREAD ZINC | F81004-4 | 2 | |
| 28 | WASHER, 13/25-1.5 STAINLESS STEEL | 514080 | 3 | |
| 29 | WASHER, 13/25-1 STAINLESS STEEL | 514079 | 3 | |
| 30 | WASHER, 13 SPECIAL FLAT ZINC | F81056-14 | 2 | |
| 31 | NUT, M12-8 HEX NYLON ZINC LOCK | F81034-2 | 2 | |

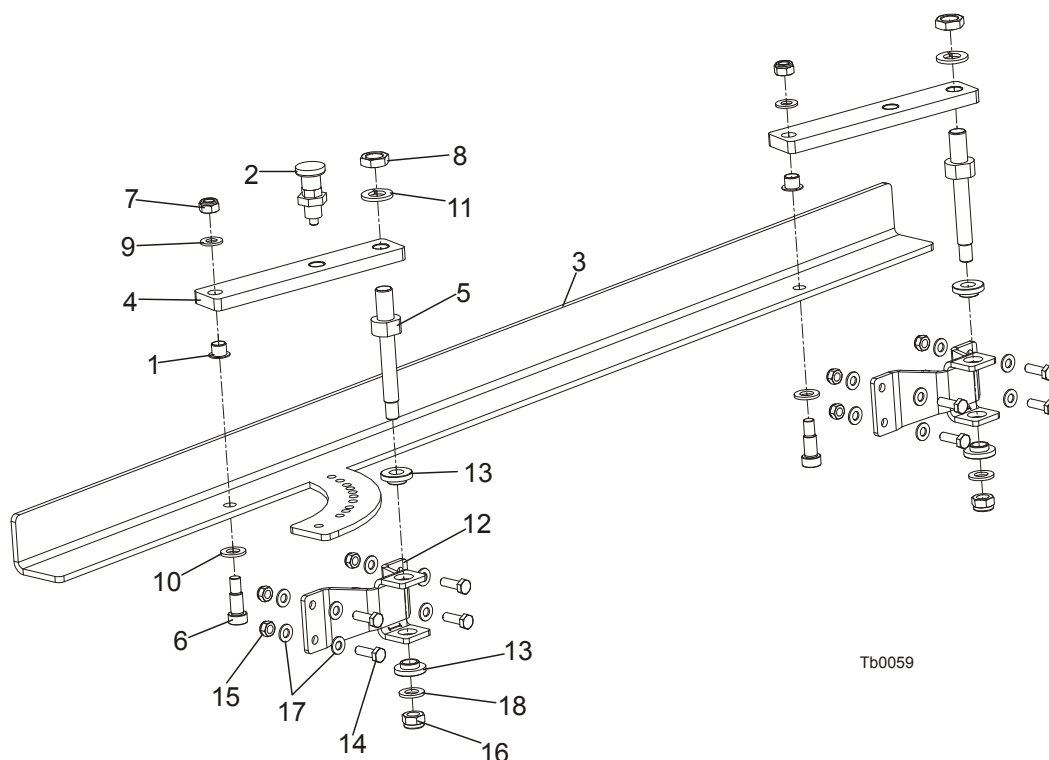
10.13 Table (Option for EG250 Edgers)



EG250_01
 513516_Manual_Rev_A1
 513516_Rev_A1
 513517_Rev_A3

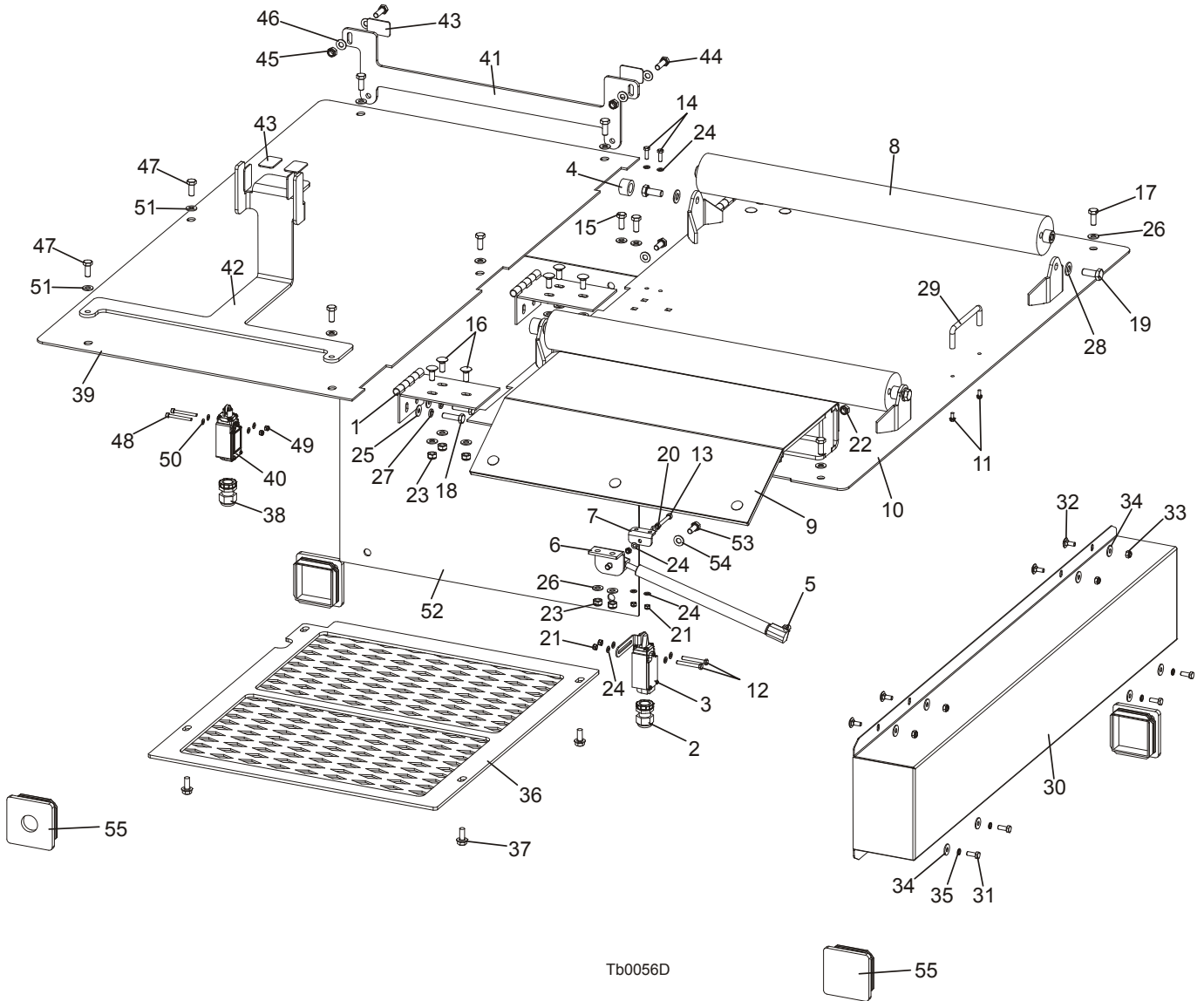
| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|--|---------------|----------|
| | TABLE, EDGER COMPLETE (W/O GUARDS) | 513517 | 1 |
| 1 | TOP, IND EDGER TABLE | 512488-1 | 1 |
| 2 | ROLLER, 63.5/20X590 | 501090-1 | 5 |
| 3 | WASHER,10.5 FLAT ZINC | F81055-1 | 10 |
| 4 | BOLT, M10X25 8.8 HEX HEAD FULL THREAD ZINC | F81003-11 | 10 |
| | LEG, EDGER TABLE - COMPLETE | 500118 | 1 |
| 5 | LEG, EDGER TABLE | 500076-1 | 2 |
| 6 | WASHER, 10.5 FLAT ZINC | F81055-1 | 11 |
| 7 | PLATE, TABLE LEG CONNECTION | 500074-1 | 1 |
| | COMPLETE ADJUSTABLE LEG FOOT | 101014 | 2 |
| 8 | FOOT, ADJUSTABLE | 101022-1 | 1 |
| 9 | PLATE, M10 ZINC-PLATED CLAMPING | 101242-1 | 1 |
| 10 | WASHER, 10.5 FLAT ZINC | F81055-1 | 3 |
| 11 | NUT, M10 8 HEX ZINC | F81033-3 | 1 |
| 12 | BOLT, M10X70 8.8 HEX HEAD FULL THREAD ZINC | F81003-20 | 1 |
| 13 | BOLT, M10X25 8.8 HEX HEAD FULL THREAD ZINC | F81003-11 | 2 |
| 14 | BOLT, M10X25 8.8 HEX HEAD FULL THREAD ZINC | F81003-11 | 5 |
| 15 | NUT, M10 8 HEX ZINC | F81033-3 | 5 |
| 16 | SCALE, EDGER METRIC | 101007 | 1 |

10.14 Board Guide Fence



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|--|-----------|------|
| | COMPLETE BOARD GUIDE FENCE | 101100 | 1 |
| | FENCE, BOARD GUIDE | 101020 | 1 |
| 1 | BUSHING, XFM-1214-12 FLANGED | 088934 | 2 |
| 2 | PIN, DETENT | 090197 | 1 |
| 3 | FENCE, GUIDE | 101097-1 | 1 |
| 4 | BAR, GUIDE FENCE ARM | 101098-1 | 2 |
| 5 | PIN, GUIDE FENCE ARM ZINC-PLATED | 101099-1 | 2 |
| 6 | BOLT, 12/M10x20 12.9 ISO7379 (BOSSARD) SHOULDER | F81003-68 | 2 |
| 7 | NUT, M10-8-B -HEX NYLON ZINC LOCK | F81033-1 | 2 |
| 8 | NUT, M16x1,5-08-B-HEX THIN ZINC | F81036-6 | 2 |
| 9 | WASHER, 10,5 FLAT ZINC | F81055-1 | 2 |
| 10 | WASHER, 13 FLAT ZINC | F81056-1 | 2 |
| 11 | WASHER, 16,3 SPLIT LOCK ZINC | F81058-2 | 2 |
| 12 | BRACKET, BOARD GUIDE FENCE | 101102-1 | 2 |
| 13 | BUSHING, BOARD GUIDE FENCE | 101411 | 4 |
| 14 | BOLT, M8x25-8.8-B-HEX HEAD FULL THREAD ZINC | F81002-5 | 8 |
| 15 | NUT, M8-8-B-HEX NYLON ZINC LOCK | F81032-2 | 8 |
| 16 | NUT, M12-8 HEX NYLON ZINC LOCK | F81034-2 | 2 |
| 17 | WASHER, 8.4 FLAT ZINC | F81054-1 | 16 |
| 18 | WASHER, 13 FLAT ZINC | F81056-1 | 2 |

10.15 Covers



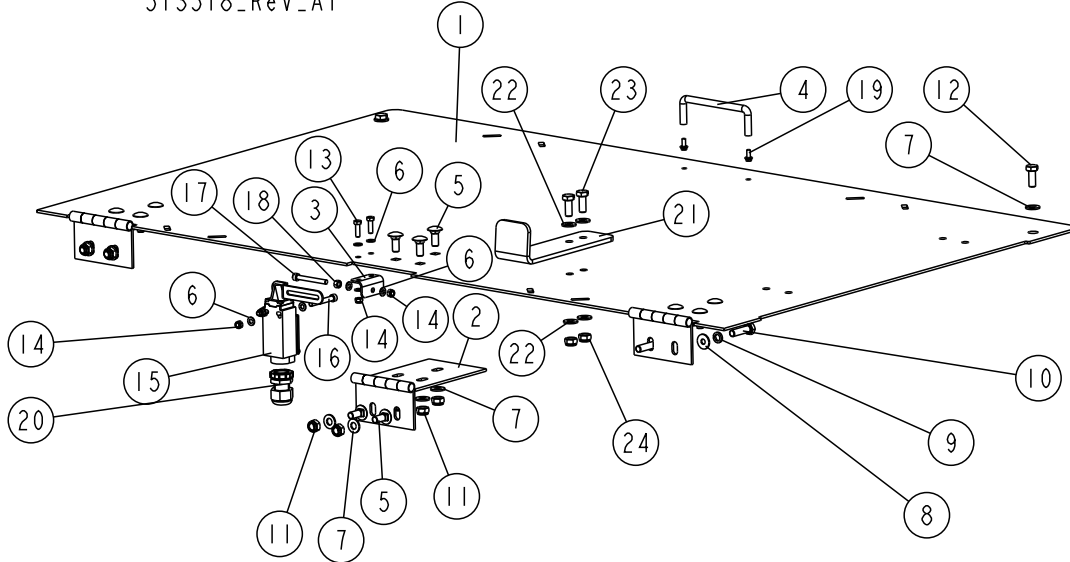
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| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|--|-----------|------|
| | COVER, UPPER LEFT HINGED - COMPLETE | 505484 | 1 |
| 1 | HINGE, COMPLETE | 038136-1 | 3 |
| 2 | GLAND, SKINTOP ST PG 13,5 GREY CABLE | 086524 | 1 |
| 3 | SWITCH, GSCA 01S1 SAFETY | 088407 | 1 |
| 4 | CAP, BUMPER RUNNER No 646 | 089083 | 2 |
| 5 | SPRING, 340N GAS COMPLETE | 089212 | 1 |
| 6 | BRACKET, GAS SPRING | 089213-1 | 1 |
| 7 | BRACKET, SAFETY SWITCH CAM | 089225-1 | 1 |
| 8 | ROLLER, 63.5/20x590 PTD. (EDGER) | 501090-1 | 2 |
| 9 | COVER, EDGER LASER - COMPLETE | 500755 | 1 |
| 10 | COVER, UPPER HINGED | 505485-1 | 1 |
| 11 | SCREW, #8-32x3/8, SELF-TAP 4,2x13HW | F05015-8 | 2 |
| 12 | BOLT, M5x40-8.8-HEX HEAD FULL THREAD ZINC | F81000-74 | 2 |

| | | | | |
|----|---|-----------|----|--|
| 13 | SCREW, M5x45 DIN912 A2-70 HEX SOCKET HEAD | F81000-24 | 1 | |
| 14 | BOLT, M5x16-5.8-HEX HEAD FULL THREAD ZINC | F81000-51 | 2 | |
| 15 | BOLT, M8x20-5.8-HEX HEAD FULL THREAD ZINC | F81002-1 | 2 | |
| 16 | BOLT, M8x20-8.8 MUSHROOM HEAD SQUARE NECK ZINC | F81002-11 | 13 | |
| 17 | BOLT, M8x20-8.8-B-HEX HEAD FULL THREAD ZINC | F81002-4 | 2 | |
| 18 | BOLT, M8x30-8.8-B-HEX HEAD FULL THREAD ZINC | F81002-7 | 2 | |
| 19 | BOLT, M10x25-8.8-HEX HEAD FULL THREAD ZINC | F81003-11 | 4 | |
| 20 | NUT, M5-8-HEX ZINC | F81030-1 | 1 | |
| 21 | NUT, M5-8-ZINC DIN 985 | F81030-2 | 5 | |
| 22 | NUT, M8-8-B-HEX ZINC | F81032-1 | 2 | |
| 23 | NUT, M8-8-B-HEX NYLON ZINC LOCK | F81032-2 | 15 | |
| 24 | WASHER, 5,3 FLAT ZINC | F81052-1 | 10 | |
| 25 | WASHER, 6,5 SPECIAL FLAT ZINC | F81053-11 | 2 | |
| 26 | WASHER, 8,4-FLAT ZINC | F81054-1 | 19 | |
| 27 | WASHER, 8,2 SPLIT LOCK ZINC | F81054-4 | 2 | |
| 28 | WASHER, 10,5 FLAT ZINC | F81055-1 | 4 | |
| 29 | HANDLE, BLADE COVER | P08065 | 1 | |
| | INFEED ROLLERS SIDE COVER - COMPLETE | 503892 | 1 | |
| 30 | COVER, INFEED ROLLER SIDE | 506847-1 | 1 | |
| 31 | BOLT, M6x16 8.8 HEX HEAD FULL THREAD ZINC | F81001-15 | 4 | |
| 32 | BOLT, M6x16 -8.8-MUSHROOM HEAD SQUARE NECK | F81001-36 | 4 | |
| 33 | NUT, M6-8-B-HEX NYLON ZINC LOCK | F81031-2 | 4 | |
| 34 | WASHER, 6,5 SPECIAL FLAT ZINC | F81053-11 | 8 | |
| 35 | WASHER, Z 6,1 SPLIT LOCK ZINC | F81053-3 | 4 | |
| | COVER, EDGER DRIVE BOTTOM - COMPLETE | 503894 | 1 | |
| 36 | COVER, EDGER DRIVE BOTTOM | 505492-1 | 1 | |
| 37 | SCREW, 5/16-18 x 3/4 SELF-TAP | F05015-30 | 4 | |
| | UPPER RIGHT COVER - COMPLETE | 503896 | 1 | |
| 38 | GLAND, SKINTOP ST PG 13,5 GREY CABLE | 086524 | 1 | |
| 39 | COVER, RIGHT HINGED | 089108-1 | 1 | |
| 40 | SWITCH, GLCB01C SAFETY | 100910 | 1 | |
| | HOLDER, EDGER CONTROL BOX TRANSPORT COMPLETE | 503899 | 1 | |
| 41 | HOLDER, 1 EDGER CONTROL BOX TRANSPORT | 501078-1 | 1 | |
| 42 | HOLDER, 2 EDGER CONTROL BOX TRANSPORT | 501079-1 | 1 | |
| 43 | WASHER, CORK | 502881 | 6 | |
| 44 | BOLT, M8x25-8.8-B-HEX HEAD FULL THREAD ZINC | F81002-5 | 2 | |
| 45 | NUT, M8-8-B-FeZn5 HEX NYLON ZINC LOCK | F81032-2 | 2 | |
| 46 | WASHER, 8,4-FLAT ZINC | F81054-1 | 4 | |
| 47 | BOLT, M8x20-8.8-B-HEX HEAD FULL THREAD ZINC | F81002-4 | 6 | |
| 48 | SCREW, M4x40 -8.8- SOCKET HEAD ZINC | F81011-37 | 2 | |
| 49 | NUT, M4-B HEX NYLON ZINC LOCK | F81029-1 | 2 | |
| 50 | WASHER, 4,3 FLAT ZINC | F81051-2 | 4 | |
| 51 | WASHER, 8,4-FLAT ZINC | F81054-1 | 6 | |
| | REAR COVER - COMPLETE | 505857 | 1 | |
| 52 | COVER, REAR | 089107-1 | 1 | |
| 53 | BOLT, M8x20-8.8-B-HEX HEAD FULL THREAD ZINC | F81002-4 | 4 | |
| 54 | WASHER, 8,4-FLAT ZINC | F81054-1 | 4 | |
| 55 | CAP, EDGER FRAME | 089644 | 4 | |

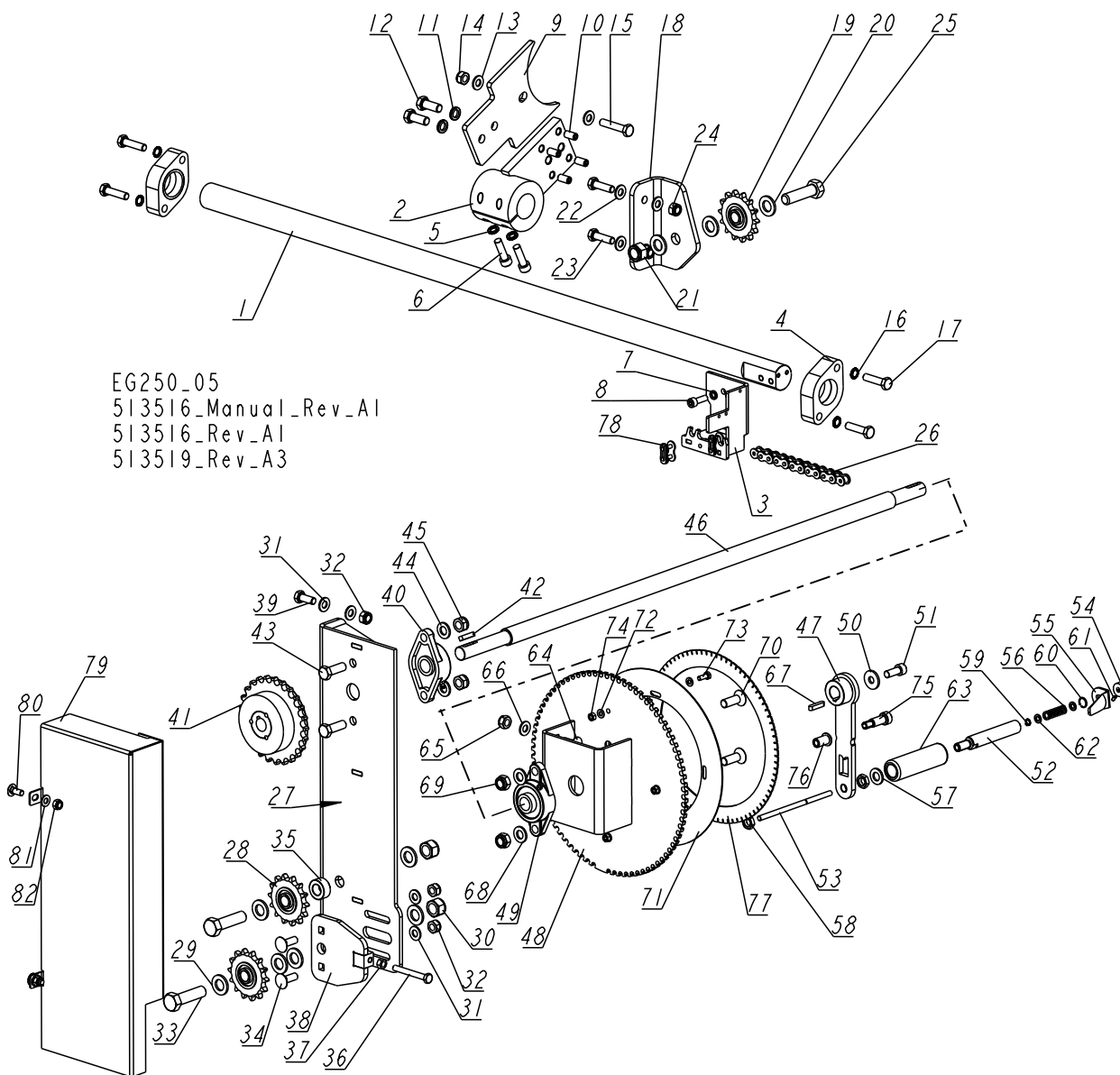
10.16EG250 Edger Top Cover

EG250_04
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513516_Rev_A1
513518_Rev_A1



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|--|---------------|----------|
| | COVER, LEFT TOP HINGED - COMPLETE | 513518 | 1 |
| 1 | COVER, TOP HINGED | 505486-1 | 1 |
| 2 | HINGE, COMPLETE | 038136-1 | 3 |
| 3 | BRACKET, SAFETY SWITCH CAM | 089225-1 | 1 |
| 4 | HANDLE, 4" | P08065 | 1 |
| 5 | BOLT, M8x20-8.8 MUSHROOM HEAD SQUARE NECK ZINC | F81002-11 | 13 |
| 6 | WASHER, 5.3 FLAT ZINC | F81052-1 | 10 |
| 7 | WASHER, 8.4 FLAT ZINC | F81054-1 | 15 |
| 8 | WASHER, 6.5 SPECIAL FLAT ZINC | F81053-11 | 2 |
| 9 | WASHER, 8.2 SPLIT LOCK ZINC | F81054-4 | 2 |
| 10 | BOLT, M8X30 8.8 HEX HEAD FULL THREAD ZINC | F81002-7 | 2 |
| 11 | NUT, M8 8 HEX NYLON ZINC LOCK | F81032-2 | 13 |
| 12 | BOLT, M8X20 8.8 HEX HEAD FULL THREAD ZINC | F81002-4 | 2 |
| 13 | BOLT, M5X16-5.8 HEX HEAD FULL THREAD ZINC | F81000-51 | 2 |
| 14 | NUT, M5-8-FE/ZN5 DIN985 NYLON LOCK | F81030-2 | 5 |
| 15 | SWITCH, GSCA 01S1 SAFETY | 088407 | 1 |
| 16 | SCREW, M5X40 8.8 HEX SOCKET HEAD CAP ZINC | F81000-74 | 2 |
| 17 | SCREW, M5X45 DIN912 A2-70 HEX SOCKET HEAD CAP STAINLESS | F81000-24 | 1 |
| 18 | NUT, M5 8 HEX ZINC | F81030-1 | 1 |
| 19 | SCREW, #8-32X3/8 4.2X13HW SELF-TAPPING | F05015-8 | 2 |
| 20 | GLAND, PG13.5 CABLE | 086524 | 1 |
| 21 | ANGLE, COVER STOP | 513872-1 | 1 |
| 22 | WASHER, 8.4 FLAT ZINC | F81054-1 | 4 |
| 23 | BOLT, M8X20 8.8 HEX HEAD FULL THREAD ZINC | F81002-4 | 2 |
| 24 | NUT, M8 8 HEX NYLON ZINC LOCK | F81032-2 | 2 |

10.17 Manual Blade Setting Assembly (EG250)



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 513516_Rev_A1
 513519_Rev_A3

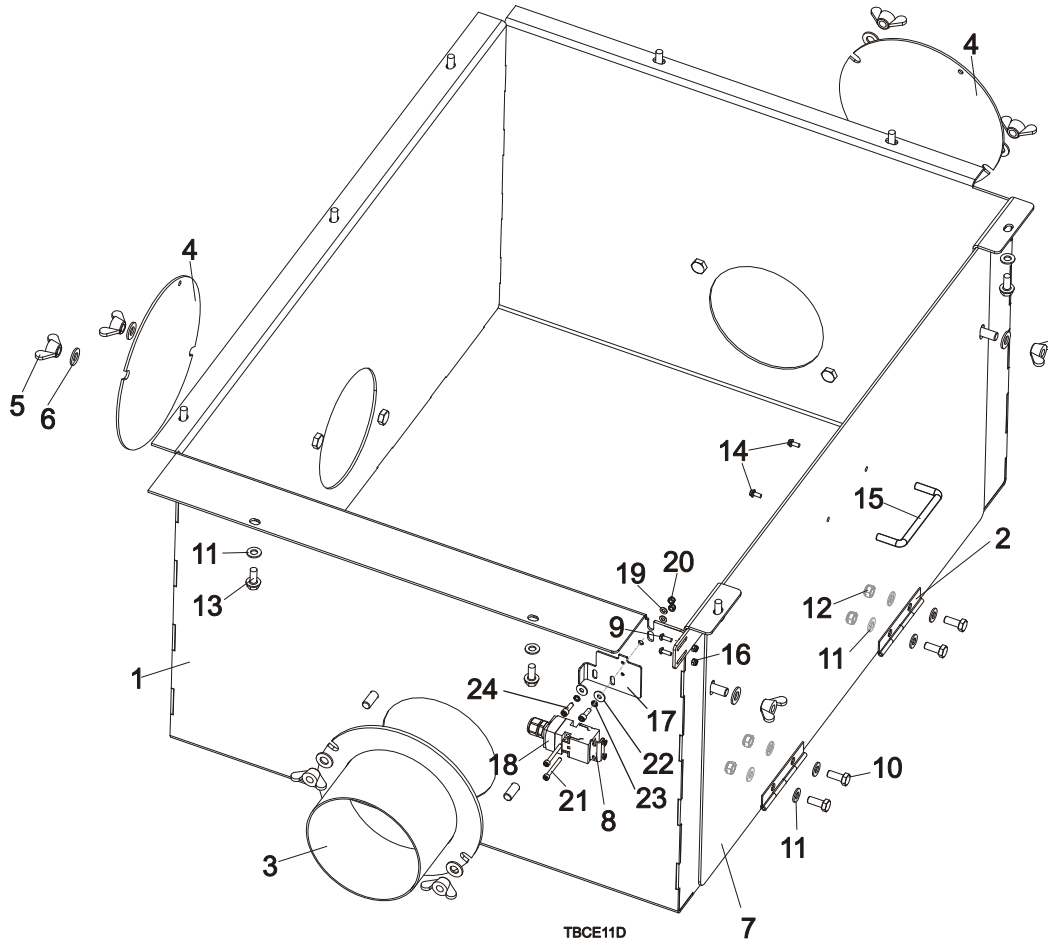
| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|--|---------------|----------|
| | DRIVE ASSEMBLY, MANUAL BLADE SETTING | 513519 | 1 |
| | SHAFT, MOVING BLADE SLIDE - COMPLETE | 513522 | 1 |
| 1 | SHAFT, BLADE SLIDE BRACKET | 101417-1 | 1 |
| 2 | BRACKET, BLADE SLIDE | 101009-1 | 1 |
| 3 | BRACKET, BLADE SLIDE CHAIN HOLDER | 503911-1 | 1 |
| 4 | BEARING, COMPLETE | 089134 | 2 |
| 5 | WASHER, Z 10.2 SPLIT LOCK ZINC | F81055-2 | 2 |
| 6 | SCREW, M10X35-8.8 HEX SOCKET HEAD CAP ZINC | F81003-56 | 2 |
| 7 | WASHER, 8.2 SPLIT LOCK ZINC | F81054-4 | 2 |
| 8 | SCREW, M8X25 8.8 HEX SOCKET HEAD CAP ZINC | F81002-21 | 2 |
| 9 | PLATE, BLADE SLIDE ZINC-PLATED | 500549-1 | 1 |
| 10 | SCREW, M10X1X20 DIN 913 STAINLESS STEEL SET | F81015-1 | 4 |

| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|---|---------------|----------|
| 11 | WASHER, Z12.2 SPLIT LOCK ZINC | F81056-2 | 2 |
| 12 | BOLT, M12X30 8.8 HEX HEAD FULL THREAD ZINC | F81004-22 | 2 |
| 13 | WASHER, 10.5 FLAT ZINC | F81055-1 | 2 |
| 14 | NUT, M10-8-B HEX NYLON ZINC LOCK | F81033-1 | 1 |
| 15 | BOLT, M10X50-8.8 HEX HEAD FULL THREAD ZINC | F81003-4 | 1 |
| 16 | WASHER, 791 M10/10.5 RIBBED LOCK | F81055-7 | 4 |
| 17 | BOLT, M10X40-8.8 HEX HEAD FULL THREAD ZINC | F81003-16 | 4 |
| | SPROCKET ASSEMBLY, MANUAL BLADE SETTING | 513523 | 1 |
| 18 | BRACKET, SPROCKET MOUNT | 513524-1 | 1 |
| 19 | SPROCKET, Z14 5/8"x3/8" W/BEARING | 088867 | 1 |
| 20 | WASHER, 17 SPLIT LOCK ZINC | F81058-1 | 3 |
| 21 | NUT, M16-8 HEX NYLON ZINC LOCK | F81036-2 | 1 |
| 22 | WASHER, 10.5 FLAT ZINC | F81055-1 | 4 |
| 23 | BOLT, M10X35 8.8 HEX HEAD FULL THREAD ZINC | F81003-17 | 2 |
| 24 | NUT, M10-8-B HEX NYLON ZINC LOCK | F81033-1 | 2 |
| 25 | BOLT, M16X60-8.8 HEX HEAD FULL THREAD ZINC | F81006-12 | 1 |
| 26 | CHAIN, 10B-1 L=2206.6 | 513667 | 1 |
| | SPROCKET ASSEMBLY, MANUAL BLADE SETTING | 513525 | 1 |
| 27 | BRACKET WELDMENT, SPROCKET MOUNT | 513631-1 | 1 |
| 28 | SPROCKET, Z14 5/8"x3/8" W/BEARING | 088867 | 2 |
| 29 | WASHER, 17 SPLIT LOCK ZINC | F81058-1 | 6 |
| 30 | NUT, M16-8 HEX NYLON ZINC LOCK | F81036-2 | 2 |
| 31 | WASHER, 10.5 FLAT ZINC | F81055-1 | 10 |
| 32 | NUT, M10-8-B HEX NYLON ZINC LOCK | F81033-1 | 6 |
| 33 | BOLT, M16X60-8.8 HEX HEAD FULL THREAD ZINC | F81006-12 | 2 |
| 34 | BOLT, M10X30-8.8 CARRIAGE HEAD ZINC | F81003-101 | 2 |
| 35 | BUSHING, 16.5X30X11 SPACER | 513528-1 | 1 |
| 36 | BOLT, M8X65 8.8 HEX HEAD FULL THREAD ZINC | F81002-9 | 1 |
| 37 | NUT, M8-8-B HEX ZINC | F81032-1 | 1 |
| 38 | PLATE WELDMENT, CHAIN TENSION | 513582-1 | 1 |
| 39 | BOLT, M10X25 8.8 HEX HEAD FULL THREAD ZINC | F81003-11 | 4 |
| 40 | BEARING, UCFL 204 (CX). | 500060 | 1 |
| 41 | SPROCKET T43999 + TAPER LOCK T31101 | 513529 | 1 |
| 42 | KEY, A6X6X30 PARALLEL | 094245 | 1 |
| 43 | BOLT, M12X35 8.8 HEX HEAD FULL THREAD ZINC | F81004-24 | 2 |
| 44 | WASHER, 13 FLAT ZINC | F81056-1 | 2 |
| 45 | NUT, M12-8 HEX NYLON ZINC LOCK | F81034-2 | 2 |
| 46 | SHAFT, BLADE SETTING DRIVE | 513530-1 | 1 |
| | CRANK HANDLE & DIAL ASSEMBLY | 513605 | 1 |
| 47 | HANDLE WELDMENT, CRANK | 513598-1 | 1 |
| 48 | DIAL WELDMENT | 513601-1 | 1 |
| 49 | BEARING, UCFL 204 (CX) | 500060 | 1 |
| 50 | WASHER, 10.5 SPECIAL FLAT ZINC | F81055-6 | 1 |
| 51 | SCREW, M10X25 8.8 HEX SOCKET HEAD CAP ZINC | F81003-32 | 1 |
| | KNOB, PLASTIC CRANK HANDLE | 096499 | 1 |
| 52 | MANDREL, CRANK HANDLE KNOB | 096504-1 | 1 |
| 53 | PIN, CRANK HANDLE KNOB | 097095-1 | 1 |
| 54 | RING, 7 STOPPING LIGHT TYPE | F81039-9 | 1 |

REPLACEMENT PARTS*Manual Blade Setting Assembly (EG250)*

| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. | |
|------|---|-----------|------|--|
| 55 | PLATE, EDGER HANDLE | 047689 | 1 | |
| 56 | SPRING, 1/2 OD X 1-1/2 LENGTH X .055 | 047690 | 1 | |
| 57 | WASHER, 13 FLAT ZINC | F81056-1 | 1 | |
| 58 | NUT, M12-04-A THIN | F81034-6 | 2 | |
| 59 | RING, Z7 OUTSIDE RETAINING | F81090-17 | 1 | |
| 60 | RING, W13 INSIDE RETAINING | F81090-18 | 1 | |
| 61 | SCREW, M4X8 GEOMET HEX SOCKET SET W/CONE POINT | F81011-40 | 1 | |
| 62 | WASHER, 7.2/12.5 | 097264 | 2 | |
| 63 | TUBE, CRANK HANDLE KNOB | 097263 | 1 | |
| 64 | BOLT, Z M10X25-8.8 CARRIAGE HEAD ZINC | F81003-59 | 2 | |
| 65 | NUT, M10-8-B HEX NYLON ZINC LOCK | F81033-1 | 2 | |
| 66 | WASHER, 10.5 FLAT ZINC | F81055-1 | 2 | |
| 67 | KEY, A6X6X30 PARALLEL | 094245 | 1 | |
| 68 | WASHER, 13 FLAT ZINC | F81056-1 | 2 | |
| 69 | NUT, M12-8 HEX NYLON ZINC LOCK | F81034-2 | 2 | |
| 70 | SCREW, M12X35-8.8 DIN7991 FLAT SOCKET HEAD CAP ZINC | F81004-69 | 2 | |
| 71 | PLATE, DIAL SCALE | 513852-1 | 1 | |
| 72 | WASHER, 6.4 FLAT ZINC | F81053-1 | 8 | |
| 73 | BOLT, M6X16-8.8 HEX HEAD FULL THREAD ZINC | F81001-15 | 4 | |
| 74 | NUT, M6 8 HEX ZINC | F81031-1 | 4 | |
| 75 | BOLT, 12/M10X25 12.9 ISO7379 (BOSSARD) SHOULDER | F81003-84 | 1 | |
| 76 | NUT, M10X13X22 RIVET ZINC-PLATED | F81033-15 | 1 | |
| 77 | DECAL, DIAL SCALE | 513851 | 1 | |
| 78 | LINK, 10B-1PZ MASTER | 088671 | 2 | |
| 79 | GUARD, DRIVE SPROCKET | 513606-1 | 1 | |
| 80 | BOLT, M8X20-8.8 CARRIAGE HEAD ZINC | F81002-11 | 2 | |
| 81 | WASHER, 8.4 FLAT ZINC | F81054-1 | 2 | |
| 82 | NUT, M8 8 HEX NYLON ZINC LOCK | F81032-2 | 2 | |

10.18 Sawdust Hopper (EG300 and EG250 CE Version)

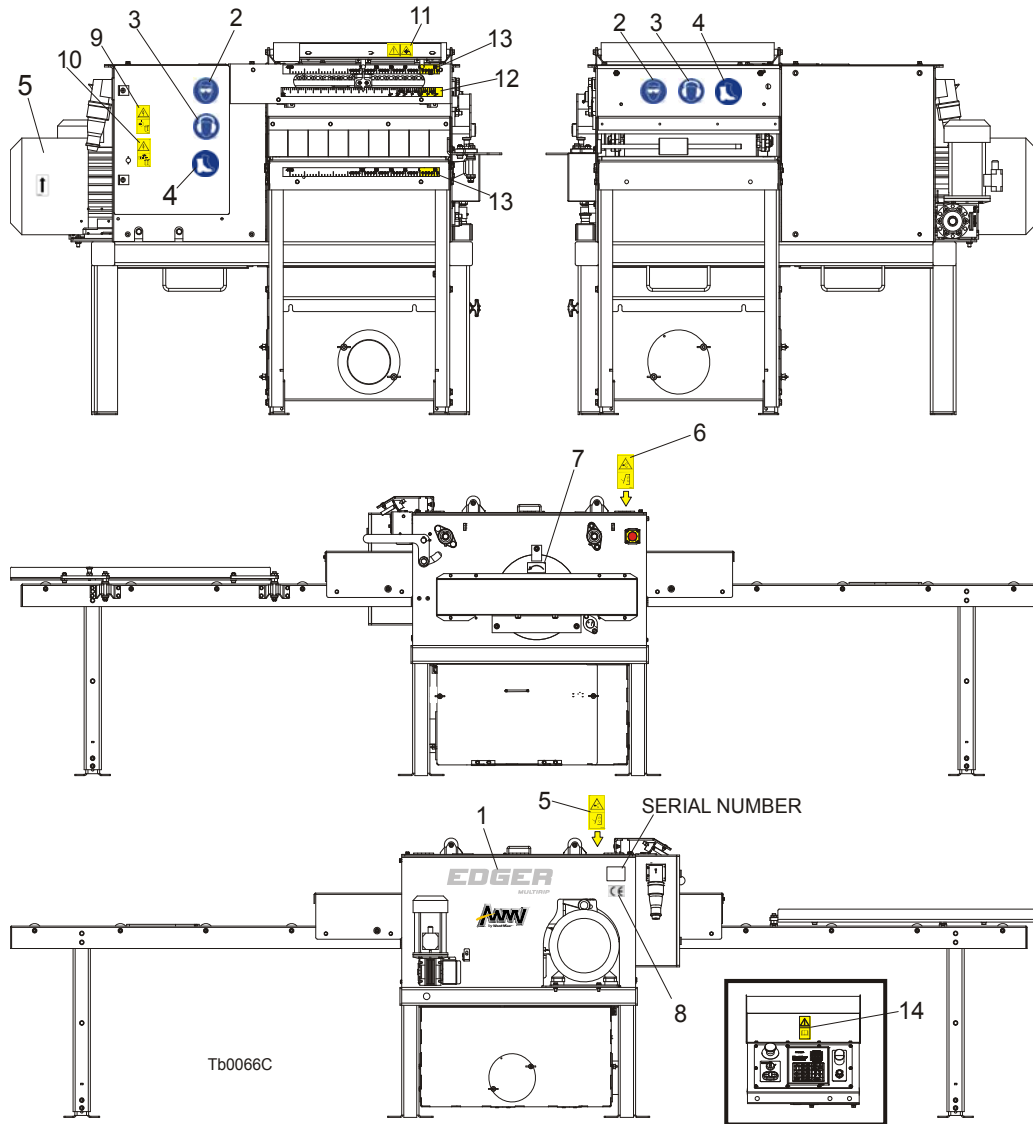


| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|--|---------------|----------|
| | HOPPER ASSEMBLY, EDGER SAWDUST DEEP | 101103 | 1 |
| 1 | HOPPER WELDMENT, SAWDUST | 101104-1 | 1 |
| 2 | Hinge, Cover | 089356 | 2 |
| 3 | Tube Weldment, Sawdust Exhaust System Connector | 095412-1 | 1 |
| 4 | Cover, Hopper Hole Ptd | 095413-1 | 2 |
| 5 | Nut, M10 Wing Zinc | F81033-8 | 8 |
| 6 | Washer, 10.5 Flat Zinc | F81055-1 | 8 |
| 7 | Cover, Hopper Hinged | 100689-1 | 1 |
| 8 | Key, AZ17/170-B5 Safety Switch | 094422 | 1 |
| 9 | Screw, M4x12 5,8-B Cross Recessed Pan Head | F81011-43 | 2 |
| 10 | Bolt, M8x20-8.8-B Hex Head Full Thread Zinc | F81002-4 | 4 |
| 11 | Washer, 8.4 Flat Zinc | F81054-1 | 17 |
| 12 | Nut, M8-8-B Hex Nylon Zinc Lock | F81032-2 | 4 |
| 13 | Screw, 5/16-18 x 3/4 Self-Tapping | F05015-30 | 9 |
| 14 | Screw, #8-32x3/8, Self-Tapping | F05015-8 | 2 |
| 15 | Handle, Blade Cover | P08065 | 1 |
| 16 | Nut, M4-B Hex Nylon Zinc Lock | F81029-1 | 2 |
| | EG300 SAWDUST HOPPER SAFETY SWITCH W/MOUNT BRACKET - COMPLETE | 507537 | 1 |
| 17 | BRACKET, AZ17-11ZRK SAFETY SWITCH MOUNT | 507538-1 | 1 |

10**REPLACEMENT PARTS***Sawdust Hopper (EG300 and EG250 CE Version)*

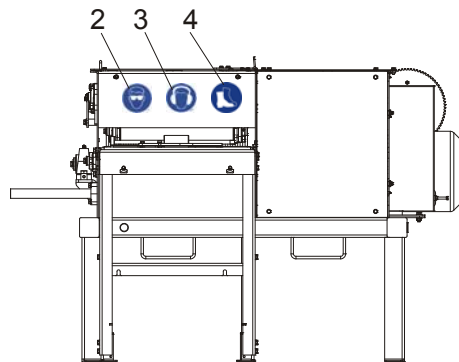
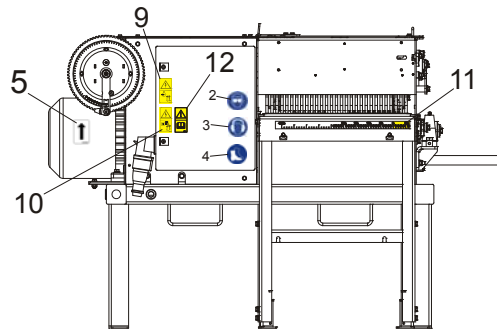
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|-----------|--|-----------|---|--|
| 18 | SWITCH, AZ17-11ZRK SAFETY | 094232 | 1 | |
| 19 | WASHER, 4.3 FLAT ZINC | F81051-2 | 2 | |
| 20 | NUT, M4-B HEX NYLON ZINC LOCK | F81029-1 | 2 | |
| 21 | SCREW, M4X35 -8.8 HEX SOCKET HEAD CAP ZINC | F81011-34 | 2 | |
| 22 | WASHER, 6.5 SPECIAL FLAT ZINC-PL. | F81053-11 | 2 | |
| 23 | WASHER, Z 6.1 SPLIT LOCK ZINC | F81053-3 | 2 | |
| 24 | SCREW, M6X16 -8.8 HEX SOCKET HEAD CAP ZINC | F81001-21 | 2 | |

10.19EG300 Edger Decals

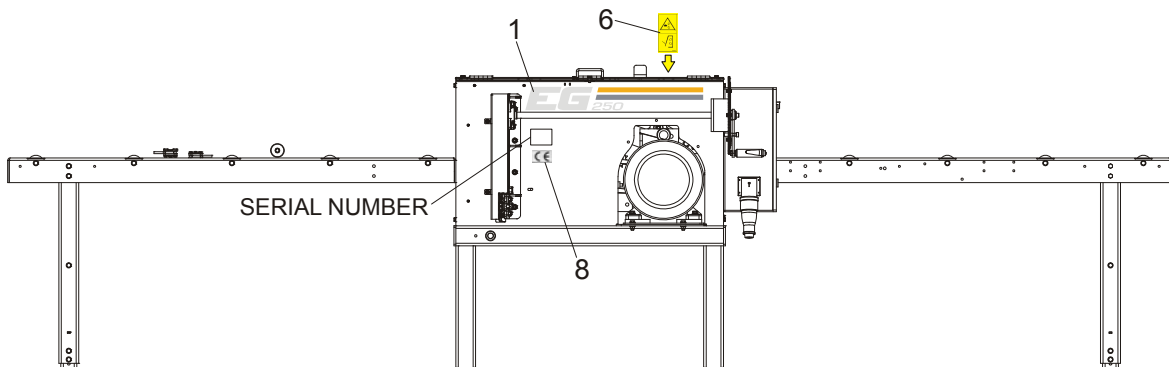
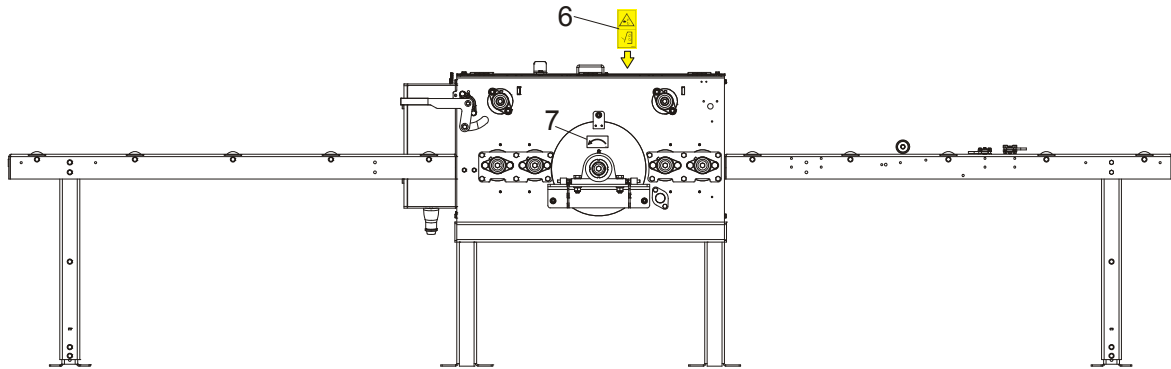


| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|--|---------------|----------|
| | DECAL KIT, EDGER W/ELECTRICAL BLADE SETTING | 500995 | 1 |
| 1 | DECAL KIT, MACHINE NAME | 099586 | 1 |
| | PICTOGRAPHIC DECAL KIT, EDGER | 099520 | 1 |
| 2 | DECAL, EYE PROTECTION WARNING (PICTOGRAM) | S12004G | 2 |
| 3 | DECAL, EAR PROTECTION WARNING (PICTOGRAM) | S12005G | 2 |
| 4 | DECAL, USE SAFETY BOOTS (PICTOGRAM) | 501465 | 2 |
| 5 | DECAL, MOTOR ROTATION DIRECTION | S20097 | 1 |
| 6 | DECAL, SAWMILL COVERS CAUTION | 099220 | 2 |
| 7 | DECAL, ROTATION DIRECTION | 089296 | 1 |
| 8 | DECAL, CE CERTIFIED | P85070 | 1 |
| 9 | DECAL, HIGH VOLTAGE INSIDE THE ELECTRIC BOX (PICTOGRAM) | 096316 | 1 |
| 10 | DECAL, REMOVE THE PLUG BEFORE OPENING THE BOX (PICTOGRAM) | 096319 | 1 |
| 11 | DECAL, CAUTION - LASER BEAM (PICTOGRAM) | 099504 | 1 |
| 12 | SCALE, EDGER INCH | 101006 | 1 |
| 13 | SCALE, EDGER METRIC | 101007 | 2 |
| 14 | DECAL, READ THE MANUAL BEFORE OPERATING THE MACHINE | 096317 | 1 |

10.20EG250 Edger Decals

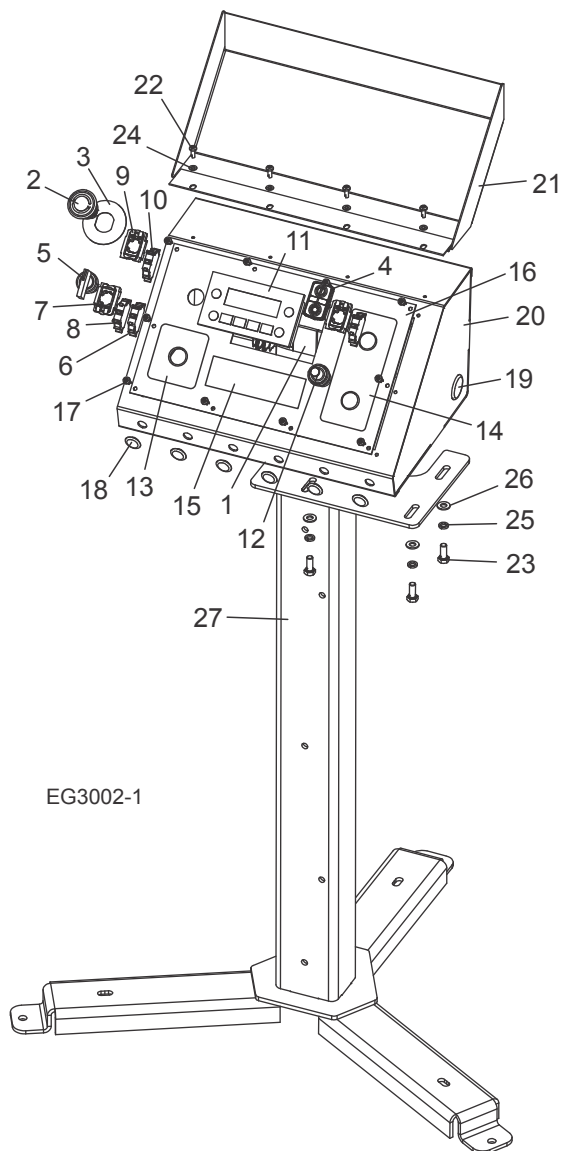


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tb0066e rev.A



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. | |
|-----------|--|---------------|----------|--|
| | DECAL KIT, EG250 EDGER | 514407 | 1 | |
| 1 | DECAL, EG250 EDGER LOGO | 514408 | 1 | |
| 2 | DECAL, EYE PROTECTION WARNING (PICTOGRAM) | S12004G | 2 | |
| 3 | DECAL, EAR PROTECTION WARNING (PICTOGRAM) | S12005G | 2 | |
| 4 | DECAL, USE SAFETY BOOTS (PICTOGRAM) | 501465 | 2 | |
| 5 | DECAL, MOTOR DIRECTION | S20097 | 1 | |
| 6 | DECAL, SAWMILL COVERS CAUTION | 099220 | 2 | |
| 7 | DECAL, ROTATION DIRECTION | 089296 | 1 | |
| 8 | DECAL, CE CERTIFIED MACHINE (SMALL) | P85070 | 1 | |
| 9 | DECAL, HIGH VOLTAGE INSIDE THE ELECTRIC BOX (PICTOGRAM) | 096316 | 1 | |
| 10 | DECAL, REMOVE THE PLUG BEFORE OPENING THE BOX (PICTOGRAM) | 096319 | 1 | |
| 11 | DECAL, EDGER METRIC SCALE | 101007 | 2 | |
| 12 | DECAL, READ THE MANUAL BEFORE OPERATING THE MACHINE | 096317 | 1 | |

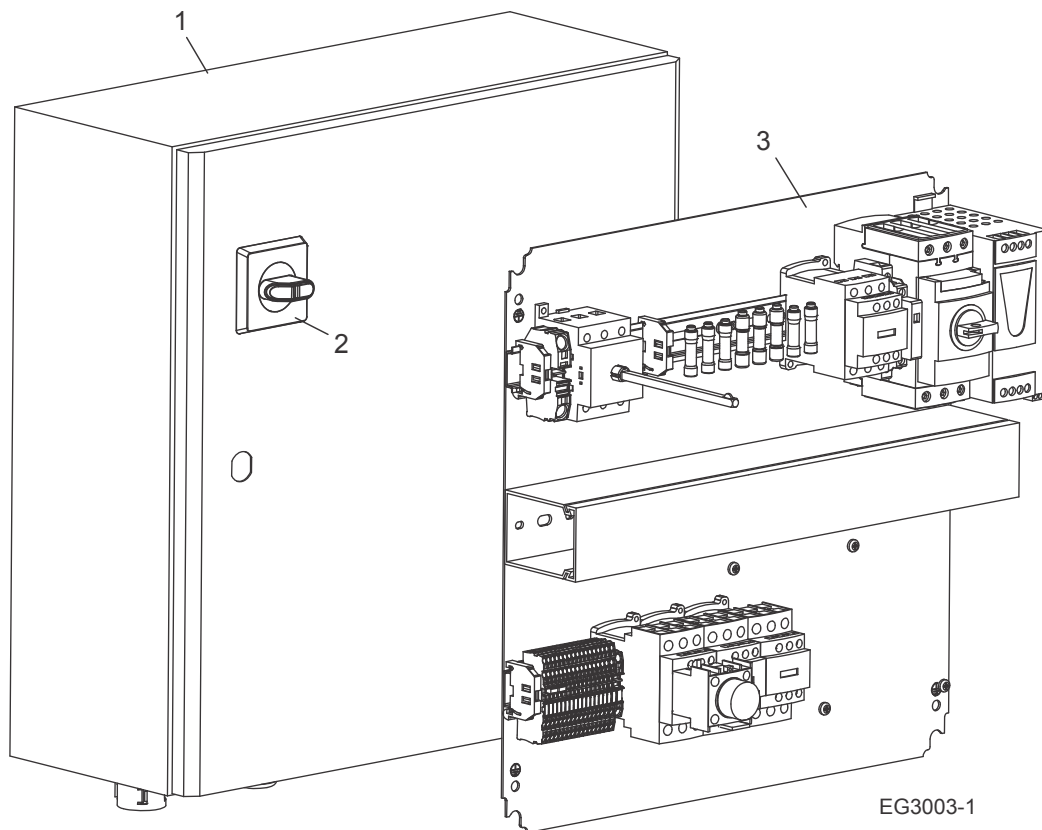
10.21 Control Box (EG300 - U.S. Only)



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|--|--------|------|
| | OPERATOR ASSEMBLY, EG300EC25U (U.S. ONLY) | 068176 | 1 |
| 1 | PLC Assembly, PLC Networks | 069834 | 1 |
| | Panel Assembly, EG300U Front Operator | 073513 | 1 |
| 2 | Push-Button, Mshrm Mntnd Red TrnRI ZB5 | 068940 | 1 |
| 3 | Legend, E-Stop, Round Yellow | 050992 | 1 |
| 4 | Push-Button, Flush Marked ZB5 | 068909 | 1 |
| 5 | Selector Switch Head, 3 Pos Spring Ret | 073511 | 1 |
| 6 | Switch Block, NO ZB5 | 068920 | 1 |
| | Collar, Mount 1NO ZB5 | 068952 | 2 |
| 7 | Switch Collar, Mount ZB5 | 068951 | 1 |
| 8 | Switch Block, NO ZB5 | 068920 | 1 |
| | Switch Collar Assembly, Mount 1NC ZB5 | 068950 | 1 |
| 9 | Switch Collar, Mount ZB5 | 068951 | 1 |
| 10 | Switch Block, Contact NC ZB5 | 068921 | 1 |

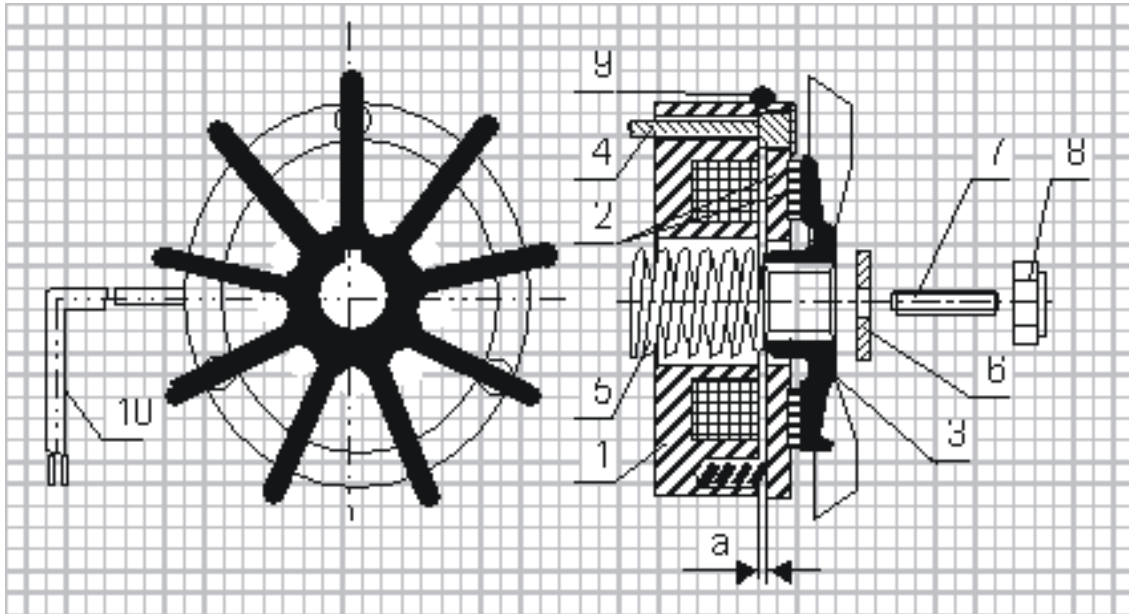
| | | | | |
|----|--|-----------|--------|--|
| 11 | Display, Text Magelis 4 Line 24VDC Green | 069835 | 1 | |
| 12 | Switch, Potentiometer 22mm 5k | 068077 | 1 | |
| 13 | Decal, EG300 Blade In/Out | 073514 | 1 | |
| 14 | Decal, EG300 On/Off/Feed Rate | 073515 | 1 | |
| 15 | Decal, EG300 Front Panel Logo | 073516 | 1 | |
| 16 | Plate, EG300U Front Operator | 076133 | 1 | |
| 17 | Bolt, #10-24x1/2 Ph Pan Hd, Type 23 | F05015-17 | 10 | |
| 18 | Plug, 1/2IN Hole | 019613 | 6 | |
| 19 | Plug, AS050 Oiltite | 024685 | 2 | |
| | Gasket, Control Box | N/A | 1 | |
| | Cable, XBT N/R Communication | 069847 | 1 | |
| | Cable, 18 Cond 20AWG 600V | R01913-11 | 15 ft. | |
| 20 | CONTROL BOX, TVS | 503536-1 | 1 | |
| 21 | COVER, LT20/40 CONTROL BOX - COMPLETE | 097135-1 | 1 | |
| 22 | BOLT, #10-24 X 1/2 PH PAN HEAD TYPE 23 | F05015-17 | 4 | |
| 23 | BOLT, M8X20-8.8-B-HEX HEAD FULL THREAD ZINC | F81002-4 | 4 | |
| 24 | WASHER, 5,3 FLAT ZINC | F81052-1 | 4 | |
| 25 | WASHER, 8,4-FLAT ZINC | F81054-1 | 4 | |
| 26 | WASHER, 8,2 SPLIT LOCK ZINC | F81054-4 | 4 | |
| 27 | STAND, LT20B CONTROL BOX | 501651-1 | 1 | |

10.22 Electric Box (EG300 - U.S. Only)



| REF. | DESCRIPTION (◆ Indicates Parts Available In Assemblies Only) | PART # | QTY. |
|------|--|----------|------|
| | EG300 EDGER CONTROL BOX (U.S. ONLY) | 068171 | 1 |
| 1 | Enclosure, EG300EC25U Control | 068090 | 1 |
| 2 | Handle, Disconnect RED/YEL 6mm Shaft | 050883-1 | 1 |
| 3 | Insert Assembly, EG300EC25U Control | 073512 | 1 |

SECTION 11 DC ELECTROMAGNETIC BRAKE (CE ONLY)



- 1 - Electromagnet,
- 2 - Armature complete with brake linings,
- 3 - Fan,
- 4 - Retaining bolt
- 5 - Central spring,
- 6 - Special washer,
- 7 - Set screw,
- 8 - Self-locking nut,
- 9 - Sealing ring,
- 10 - Output cable.

11.1 Design and principle of operation

The DC electromagnetic brake type H consists of 3 main subassemblies:

- electromagnet (1),
- armature complete (2)
- cast iron fan (3).

Electromagnet (1) energised: The DC voltage from the motor applied via the rectifying circuit causes the attraction of the armature (2) releasing the brake and thus the fan (3) is free to rotate.

Electromagnet (1) de-energised: The electromagnet stops to attract the armature (2) and spring presses the armature with brake linings (2) against the fan and the brake is thus applied.

11.2 Service

During normal operation and at the routine inspections verify the air gap and check if all screws are tight. In case when any symptoms of inefficient braking are observed, then use the self-locking nut (8) to re-adjust the air gap to the value corresponding to Table 1.

Such readjustment may be repeated until the brake linings are completely worn out. When this will occur, a complete armature with brake linings (2) must be replaced.

If the air gap of the brake is correctly adjusted and despite of it the brake does not operate properly (the brake fails to release), it may be caused by:

- the electromagnet (1): burned coil or defected output cable (10),
- rectifying circuit (installed in the electric motor terminal box).

The above mentioned subassemblies should be checked and defected part replaced.

Table 1:

| TYPE | H-63 | H-71 | H-80 | H-90 | H-100 | H-112 | H-132 | H-160 |
|-----------------|--------------|---------------------|---------------------|---------------------|--------------------|--------------------|--------------------|--------------------|
| Nominal Gap „a” | 0.2 ±0,05 | 0.2 ±0,05 | 0.2 ±0,05 | 0.2 ±0,05 | 0.2 ±0,1 | 0.2 ±0,1 | 0.2 ±0,1 | 0.2 ±0,1 |



DC Electromagnetic Brake (ce only)

Service

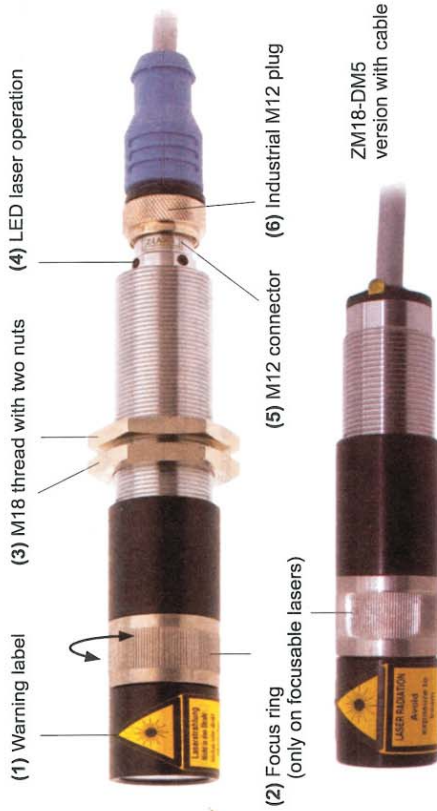
SECTION 12 LASER INFORMATION

Thank you for purchasing
a Z-LASER product!

Z-LASER

www.Z-LASER.com

Welcome to the ZM18 laser series!



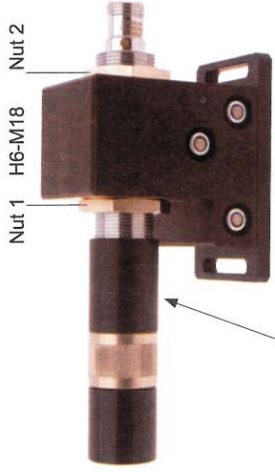
Product emits laser radiation in laser classes: 1, 1M, 2, 2M, 3R, 3B

(EN 60825-1: 2007)

Avoid direct eye exposure to laser beam!

EN: Brief description of ZM18

- Warning label is enclosed and should be well visible. Please pay attention to the laser classes! (EN 60825-1: 2007) Laser class 3R, 3B and 4 are intended for integration into complex systems and are not approved for stand-alone operation. They require a laser protection officer who will decide on the necessary legal measures of training, hazard control and use.
- By rotating the focus ring, the laser projection can be focused (from 100mm up to ∞).
- M18 thread with two nuts for a simple installation in a mounting or a mounting angle.
- LED light = Laser on
 - No LED light = Laser off
 - LED blinking orange/green (only ZM18-S/H) = internal temperature of 65°C is reached. At 85°C, the laser turns off, but the LED still blinks. - Watch out!
- M12 connector to provide fixed and secure connection to power supply, cable or customized solution (also see configuration scheme with ZM18-S/H).
Version with flying leads connection is also available (ZM12DM5).
- Fit industrial plug to laser, screw softly by hand (without tool).
About 2mm of the screw thread must be visible, do not fix it any further!



Installation into a mount
- On the side example with a H6-M18 (alternative angle mounting)

- Spin nut 1 on to the M18 laser thread.
- Screw the laser into the mount until you reach nut 1 (alternative: put into mounting angle).
- Spin nut 2 from behind and fix softly both nuts with a M18 device.

Installation into a mount with Ø 20mm, as example H2-20

Please do not fix the mount on to the front of the laser body as pressure can cause damage to the optics. Please fix the mount behind the focusing adjustment.

Troubleshooting:

- No laser light. Is the plug and/or power supply connected, supply voltage available?
- No laser light. Is the cable damaged / broken or is the power supply/power socket defective?
- No laser light. Are the pins connected correctly?
- Diffuse projection: (if focusable) readjust focus ring.
- Diffuse projection: if the optic appears "dirty" - carefully, clean with a cotton bud and spirit.

If the above troubleshooting does not solve your problems, it is possible that there is a fault with the electronics or laser diode. If the laser diode is faulty, as per split or weak beam, please return the laser to our headquarters.

ZM18 series is available with different features *

Die Serie ZM18 ist mit unterschiedlichen Merkmalen verfügbar *

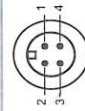
La Série M18 est disponible avec des caractéristiques différentes *

La serie ZM18 è disponibile con varie caratteristiche *

La serie ZM18 está disponible con distintas características *

Z M 1 8 シ リ ー ス は 異 な っ た 特 徴 と 利 用 で き る *

Configuration scheme and modulation



- Pin 1: Voltage supply +
- Pin 3: Voltage supply -
- Pin 2: TTL modulation / [ZM18-DM(5): up to 100kHz]
- Pin 4: Analog modulation /; Continuous wave

cable (KB4)

- brown
- blue
- white
- black

| Configuration scheme and modulation | | cable (KB4) | |
|--|--|--|---|
| | ZM18B (Basic) | Pin 1: Voltage supply + | brown |
| | ZM18DM(5)* | Pin 2: Voltage supply - Pin 3: TTL modulation / [ZM18-DM(5): up to 100kHz] Pin 4: Analog modulation /; Continuous wave | blue white black |
| ZM18S (Standard) | | | |
| Pin 2: TTL | Voltage levels below -2V are interpreted as logic 0 or "light off"; voltage levels above ~2V are interpreted as logic 1 or "light on". Please note that the switching threshold can vary slightly. | | |
| Pin 4: Analog | Applying a DC voltage between 0-1V at pin 4, the laser intensity is controlled. 0V means the laser power is < 10% of the nominal power. 1V and above means the laser will achieve 100% of the nominal laser power. | | |
| Modulation | Analog intensity control (up to 32 steps) and digital TTL Trigger up to 1 kHz APC: TTL up to 1 MHz; sinusoidal waves up to 5 MHz; ACC: up to 20 MHz (diode depending) | | |
| General rule | Note that there is a linear characteristic between the two voltages! Both control inputs are tolerant to DC voltages up to 25V, therefore, by applying 24V to the laser, it can easily be switched on to 100% by bridging pins 1, 2 and 4. There is no need for an extra supply of 1V. You cannot destroy the laser in a 24 Volt system by wrong connections of input pins. * Attention: Laser type ZM18DM5 with 3-wired cable must be supplied only with 4-6VDC! | | |
| CE-Conformity according to the directives 2004/10R/EC and 73/23/ECC excluding connection type. | | | |
| Mechanical specifications * | | ZM18S (Standard) | ZM18H (High-End) |
| Max. Dimensions ZM18DM5 with cable | 76mm x Ø 20mm (fixed focus version) 91mm x Ø 20mm (focusable version) | - | - |
| Max. Dimensions ZM18B-green | 136mm x Ø 20mm (focusable and fixed focus version) | - | - |
| Max. Dimensions | 91mm x Ø 20mm (fixed focus version) 108mm x Ø 20mm (focusable version) | 112mm x Ø 20mm (fixed focus version) 128mm x Ø 20mm (focusable version) | 123mm x Ø 20mm (fixed focus version) 138mm x Ø 20mm (focusable version) |
| Protection category | IP 67, dust-proof and water-proof | | |
| Connection | M12 plug, 4-pin / ZM18DM5: integrated cable | M12 plug, 4-pin | M12 plug, 4-pin |
| M18 industry housing | Chromed brass, with optic head: anodised aluminium Gold plated brass, with optic head: anodised aluminium | | |
| Electrical specifications * | | | |
| Supply voltage | 5-30VDC +/- 5% ZM18DM5: 4-6VDC | 5-30VDC +/- 5% | 5-30VDC +/- 5% |
| Mode of operation | APC with current limiting (or CC) | APC with current limiting | APC with current limiting or CC |
| Modulation | ZM18B: Continuous wave ZM18DM(5): TTL modulation up to 100kHz | Analogue intensity control (up to 32 steps) and digital TTL Trigger up to 1 kHz | APC: TTL up to 1 MHz; sinusoidal waves up to 5 MHz ACC: Up to 20 MHz (diode depending) |
| Protection | Reverse polarity and transient / ESD | Reverse polarity and transient / ESD, over temperature protection | Reverse polarity and transient / ESD, over temperature protection |
| Optic specifications * | | | |
| Output power | 1-200mW (depending on wavelength) | | |
| Wavelength | 635nm - 980nm; 532nm | 635nm - 980nm | 405nm - 980nm |
| Environmental conditions * | | | |
| Case temperature | -10°C up to +50°C (depending on wavelength; heat dissipation e.g. with mounting H8-M18) | | |
| Storage temperature | -10°C up to +80°C | | |
| Humidity | Max. 90%, non condensing | | |
| MTTF at 25°C | > 30.000h on red wavelengths (635 - 785nm) > 5.000h on green and blue wavelengths | | |

13 Laser Information

EC declaration of conformity according to EC Machinery Directive 2006/42/EC

We herewith declare,

Wood-Mizer Industries sp. Z O.O.
114 Nagorna street, 62-600 Kolo; Poland.

That the following described machine in our delivered version complies with the appropriate basic safety and health requirements of the EC Machinery Directive 2006/42/EC based on its design and type, as brought into circulation by us. In case of alteration of the machine, not agreed by us, this declaration is no longer valid.

| | |
|--|--|
| Designation of the machine: | Edger Multirip |
| TYPE: | EG250, EG250-MR, EG250-EMR EG300, EG300-MR, EG300-EMR |
| No. of manufacturer: | |
| Applicable EC Directives: | EC Machinery Directive 2006/42/EC EC Electromagnetic Compatibility Directive 2004/108/EC |
| Applicable Harmonized Standards: | PN-EN ISO 12100:2012; PN-EN 1870-4:2012; PN-EN 13849-1:2008 PN-EN 60204-1:2010 PN-EN ISO 13857:2010; |
| Notified Body according to annex IV : | INSTYTUT TECHNOLOGII DREWNA Centrum Certyfikacji Wyrobów Przemysłu Drzewnego ul. Winiarska 1, 60-654 Poznań |
| Notification No: | 1583 |
| Responsible for: | EC type examination |
| EC type-examination certificate no. | 0415/2014 |
| Responsible for Technical Documentation: | Adam Kubiak / R&D Manager Wood-Mizer Industries Sp. z o.o. 62-600 Koło, ul. Nagórna 114 Tel. +48 63 26 26 000 |
| Date/Authorized Signature: | 24.10.2014 Adam Kubiak |
| Title: | R&D Manager |