



user manual

Instrukcja obsługi | Руководство пользователя
Manuel de l'Utilisateur | Betriebsanweisung
Bruksanvisning | Manual del Usuario
Betjeningsvejledning | Gebruikershandleiding
Käyttöohjeet | Manual de utilizare | Bruksanvisning
Manuale d'uso | Příručka uživatele | Navodila
za uporabo

Retain for future use
Zachować do przyszłego użytku
Сохраните для последующего
использования
A conserver pour une utilisation future
Für zukünftige Benutzung aufbewahren
Behold for senere bruk
Säilytä nämä käyttöohjeet tulevaa tarvetta marten
Opbevar manualen til fremtidig brug
Bewaren voor gebruik in de toekomst
Conservare il presente manuale a l'uso futuro
Păstrați acest manual pentru utilizare viitoare
Conservar para futuras consultas
Behall för framtida användning
Uchovejte pro další použití
Hranite za prihodnjo uporabo

Wood-Mizer®

Edger

Safety, Operation, Maintenance and Replacement Parts

EG800EH40S

rev. B2.01



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

Form #810

**This is the original language
for the manual.**

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Getting Service

Wood-Mizer is committed to providing you with the latest technology, best quality and strongest customer service available on the market today. We continually evaluate our customers' needs to ensure we're meeting current wood-processing demands. Your comments and suggestions are welcome.

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
Poland	7 a.m.- 3 p.m.	Closed	Closed
US	8 a.m.- 5 p.m.	8 a.m.- 12 p.m	Closed

Please have your vehicle identification number and your customer number ready when you call.

Wood-Mizer will accept these methods of payment:

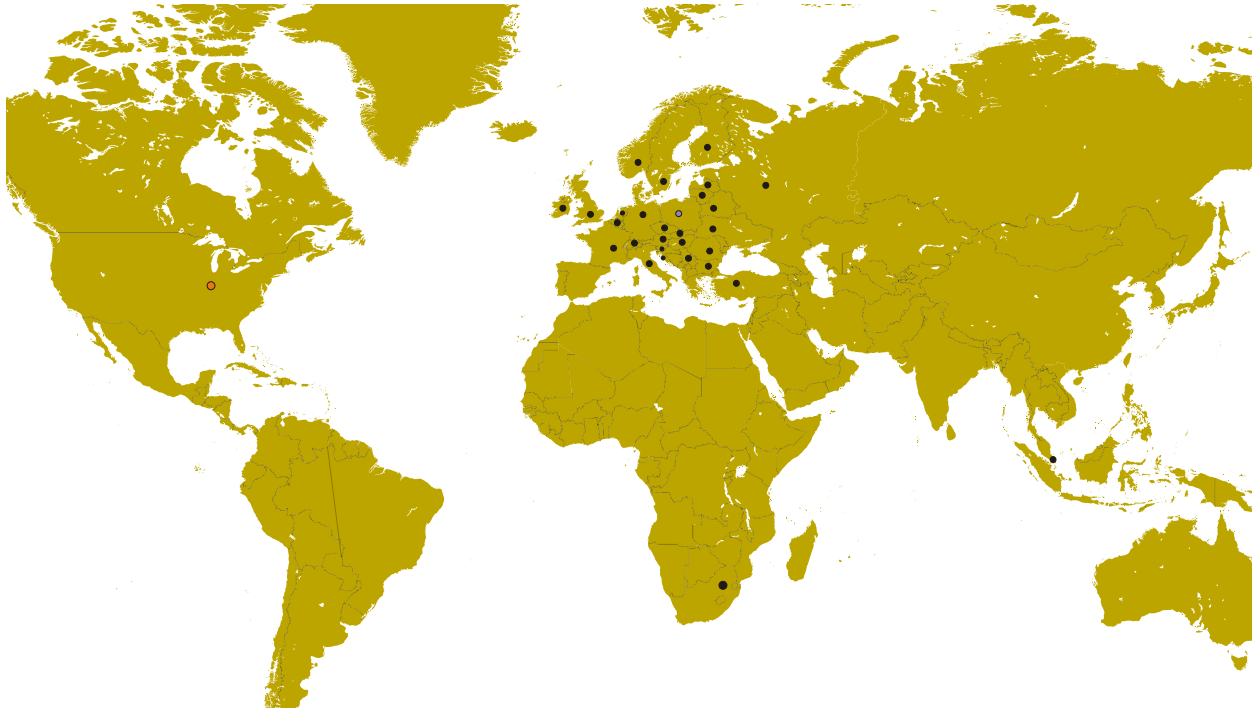
- Visa, Mastercard, or Discover
- COD
- Prepayment
- Net 15 (with approved credit)



Be aware that shipping and handling charges may apply. Handling charges are based on size and quantity of order.

Technical data are subject to change without prior notice.

Actual product may differ from product images. Some illustrations show machines with optional equipment.

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SECTION 1 SERVICING THE EDGER

1.1 Safety & General Information

Wood-Mizer is committed to providing you with the latest technology, best quality and strongest customer service available on the market today. We continually evaluate our customers' needs to ensure we're meeting current wood-processing demands. Your comments and suggestions are welcome.

The present documentation contains information that should be used when preparing the machine for operation, working with it and when servicing or repairing it, as well.

The EG800 Edger is intended for sawing wood only. See Section Specifications for log size capacities of the machine. The machine must not be used for any other purposes such as cutting ice, metal or any other materials.

Using the machine correctly, you will obtain a high degree of accuracy and efficiency.

The Edger should be operated only by an adult (over 18 year old) who has 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 If You Need To Order Parts

From Europe call our European Headquarters and Manufacturing Facility in Kolo, Nagórna Street, Poland at **+48-63-2626000**. Please have the vehicle identification number and your customer number ready when you call. Wood-Mizer will accept these methods of payment:

- Visa, Mastercard, or Discover
- COD
- Prepayment
- Net 15 (with approved credit)

Be aware that shipping and handling charges may apply. Handling charges are based on size and quantity of order. In most cases, items will ship on the day they are ordered. Second Day and Next Day shipping are available at additional cost.

1.3 Customer and Edger Identification

Each Wood-Mizer Edger has its own serial number. In addition, when you pick up your edger, you will receive a customer number. These two 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 An identification plate of the E100 Edger is described below.

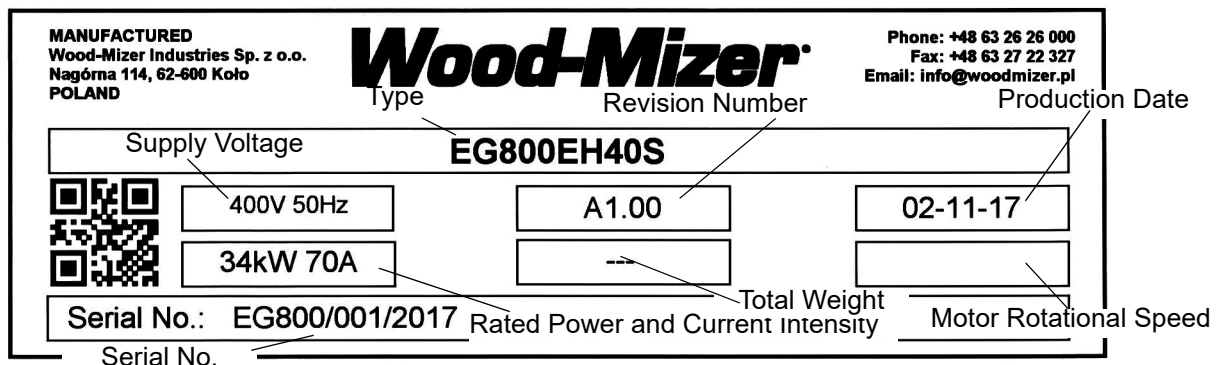


FIG. 1-1

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

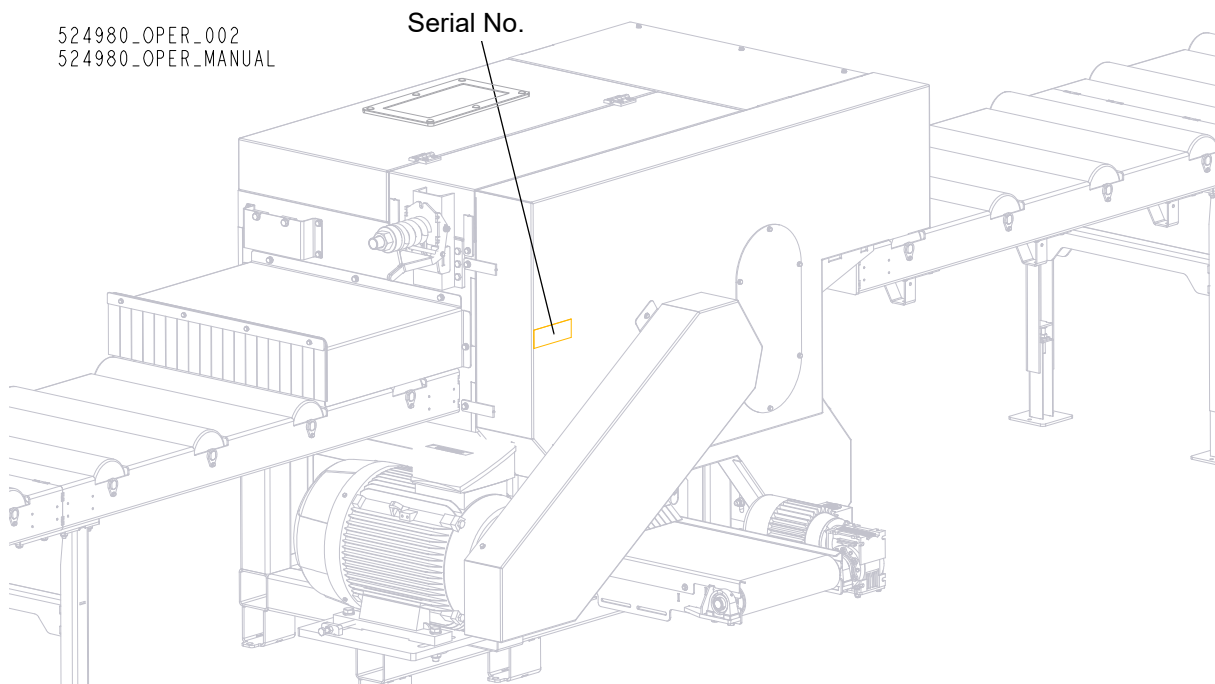


FIG. 1-2

1.4 If You Need Service

From Europe call our European Headquarters and Manufacturing Facility in Kolo, Nagórna Street, Poland at **+48-63-2626000**. Ask to speak with a Customer Service Representative. Please have the vehicle 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 moulder. He also can schedule you for a service call.

Office Hours:

Country	Monday - Friday	Saturday	Sunday
Poland	8.00 am - 04:30 pm	Closed	Closed

1.5 EG800 Edger Components

See Figure 1-3 The major components of the EG800 Edger are shown below.

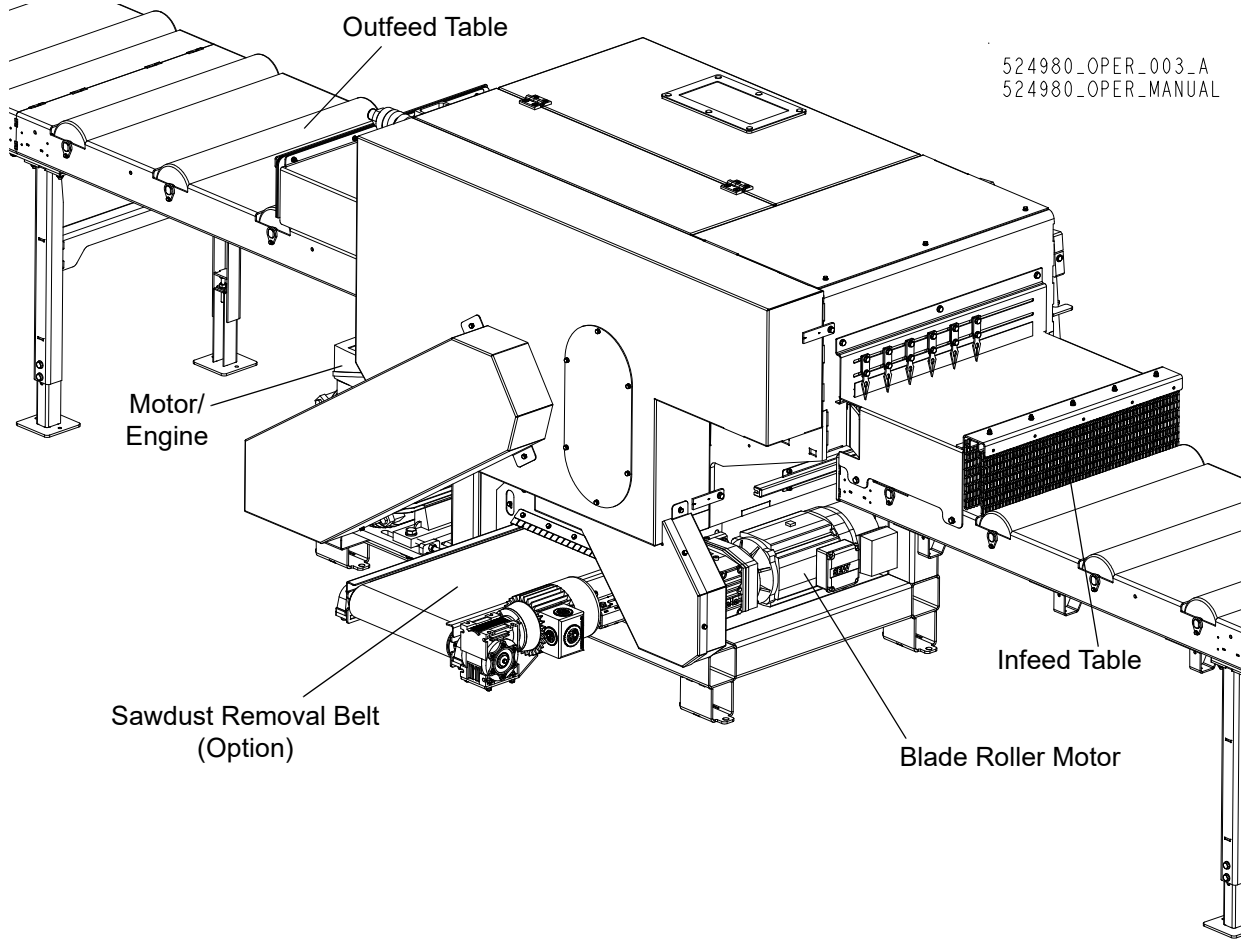




FIG. 1-3 EG800


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 to persons or 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 Owner'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 Edger. The Edger is not intended for use by or around children.

IMPORTANT! It is always 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 Edger. All Wood-Mizer owners are encouraged to become thoroughly familiar with these applicable laws and comply with them fully while using the Edger.

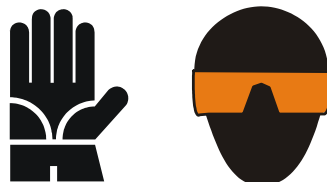


Wear Safety Clothing



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

WARNING! Always wear safety goggles and gloves when replacing the blade. Changing blades is safest when done by one person! Keep all other persons away from work area when changing a blade. Failure to do so may result in serious injury.



WARNING! Always wear protective gloves (compatible with EN 388, Category III) and protective apron (compatible with EN ISO 13688:2013-12, kategorie I) when operating the machine.

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



Keep edger and area around Edger clean



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

Dispose of sawing by-products properly



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

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

Check Edger before operation



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.



WARNING! Always turn 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/engine drive belts with the machine 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 the anti-kickback fingers are free from obstruction and are in their downward position with the lever released. Failure to do so may result in serious injury.

Keep persons away



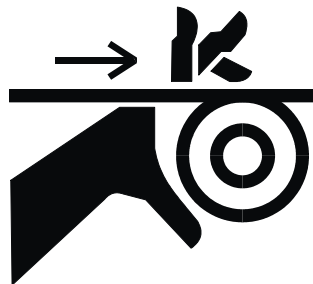
DANGER! Keep all persons out of the path of moving equipment and boards when operating the Edger. Failure to do so may result in serious injury.

Keep hands away

DANGER! Engine components can become very hot during operation. Avoid contact with any part of a hot engine. Contact with hot engine 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 the Edger. 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! Always shut off the motor/engine and allow all moving parts to come to a complete stop before removing any guards or covers. Do NOT operate with any guard or cover 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 guards for the blades and drive are equipped with safety 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 setting system is equipped with two safety switches.

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 disconnect box, starter box, 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 Edger 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.



IMPORTANT! The Edger is equipped with three emergency stop buttons: one at the front, second at the rear of the machine and the third one on the control panel. They are used to immediately stop the motor and/or the Edger in hazardous situations. The e-stop buttons should always be in proper working condition.



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



WARNING! No exchange with a different type of laser is permitted, and no additional optical equipment shall be used.



DANGER! Operator can not for any reason perform any laser maintenance or repair work. Repair shall only be carried out by the laser manufacturer or authorised persons.

Keep safety labels in good condition



IMPORTANT! Always be sure that all safety warning decals are clean and readable. Replace all damaged safety decals to prevent personal injury or damage to the equipment. Contact Wood-Mizer Customer Service or the Wood-Mizer distributor in your area to order a new decal.

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

Safety Labels Description

See table 2-1 See the table below for descriptions of the safety labels placed on the machine.

TABLE 2-1

Decal View	Decal No.	Description
	096317	CAUTION! Read thoroughly the operator's manual before operating the Edger. Observe all safety instructions and rules when operating.
	099220	Close all guards and covers before starting the machine.

TABLE 2-1

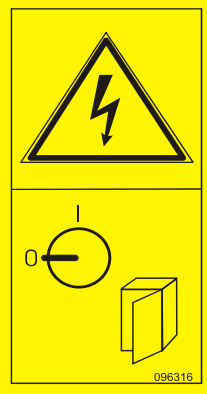
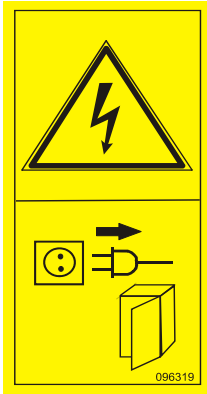





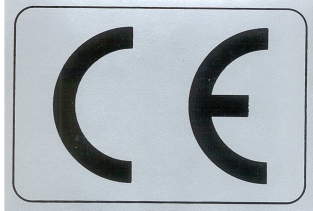
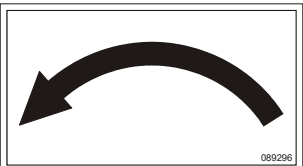
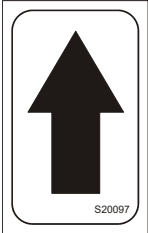
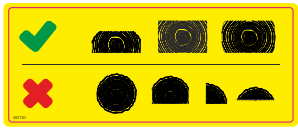
	<p>096316</p>	<p>Do not open or close the electric box when the switch is not in the "0" position.</p>
	<p>096319</p>	<p>Always disconnect the power cord before opening the electric box.</p>
	<p>099540</p>	<p>CAUTION! Toothed gear - keep persons away!</p>
	<p>524992</p>	<p>Decal, kickback hazard warning (pictogram)</p>

TABLE 2-1

	<p>S12004G</p>	<p>Always wear safety goggles when operating the edger.</p>
	<p>S12005G</p>	<p>Always wear protective ear muffs when operating the Edger.</p>
	<p>501465</p>	<p>Always wear safety boots when operating the edger!</p>
	<p>510080</p>	<p>Always wear protective gloves when operating the edger!</p>

TABLE 2-1

	<p>539211</p>	<p>Always wear protective apron when operating the edger!</p>
	<p>501467</p>	<p>Lubrication point</p>
	<p>099504</p>	<p>Visible and/or invisible laser radiation. Avoid eye or skin exposure to direct or scattered radiation.</p>
	<p>P85070</p>	<p>CE safety certification</p>
	<p>089296</p>	<p>Rotation direction</p>
	<p>S20097</p>	<p>Motor rotation direction</p>
	<p>551701</p>	<p>Allowable and non-allowable shapes of sawn material</p>

SECTION 3 MAINTENANCE AND ALIGNMENT



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



WARNING! 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 service or repairs to the laser sight.



WARNING! Do not replace the factory-installed laser sight with any different laser sight, or mount any additional laser devices.

3.1 Rollers and Blades Cover

See Figure 3-1

To open the cover:

1. Turn off the blade motors and wait until the solenoid interlock (A) is inactive. Then set the main switch in the "0" position and disconnect the power cord.
2. Open the blade housing (B) to access the blades and rollers.

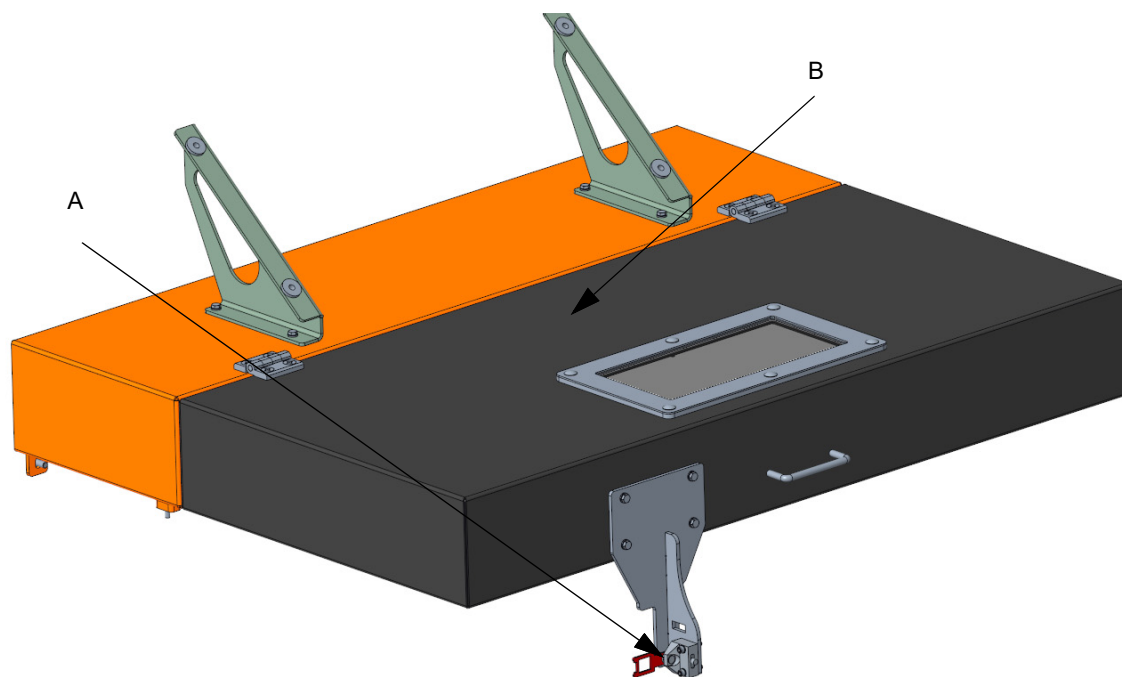


FIG. 3-1

3.2 Laser Guides Alignment



IMPORTANT! In case of problem with inserting flat bar into the Edger.
[See Section 3.5 - Adjusting height of the hold-down rollers](#)

3.2.1 Laser Guides Alignment - fixed blade version of the EG800 edger

See Figure 3-2

1. Place a 2m long flat bar (A) on the input table.
2. Insert a flat bar (A) into the Edger and place it against the fixed blade (B).

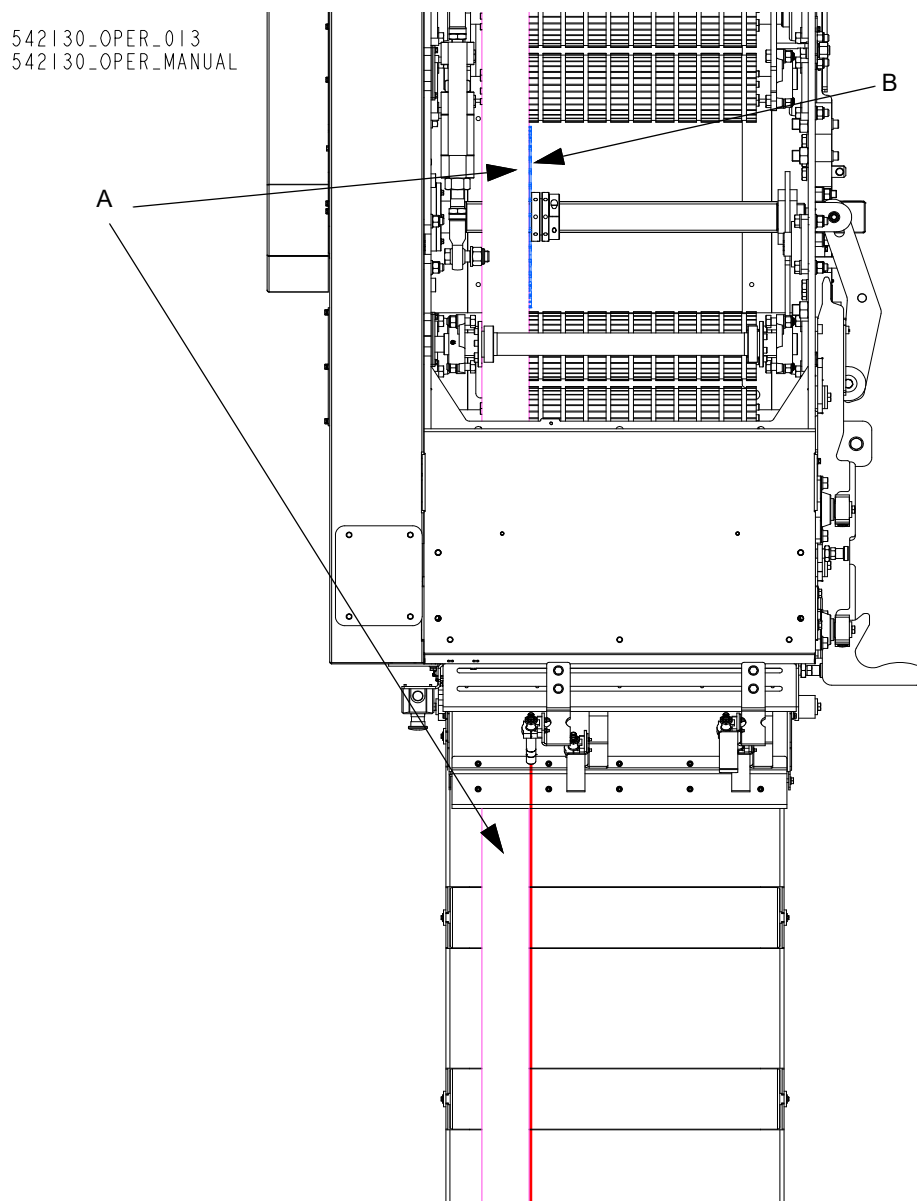


FIG. 3-2

See Figure 3-3

3. Align the laser guides by loosening the mounting bolts (C) and move the bracket (D) to the left or right.
4. Tighten the mounting bolts (C).

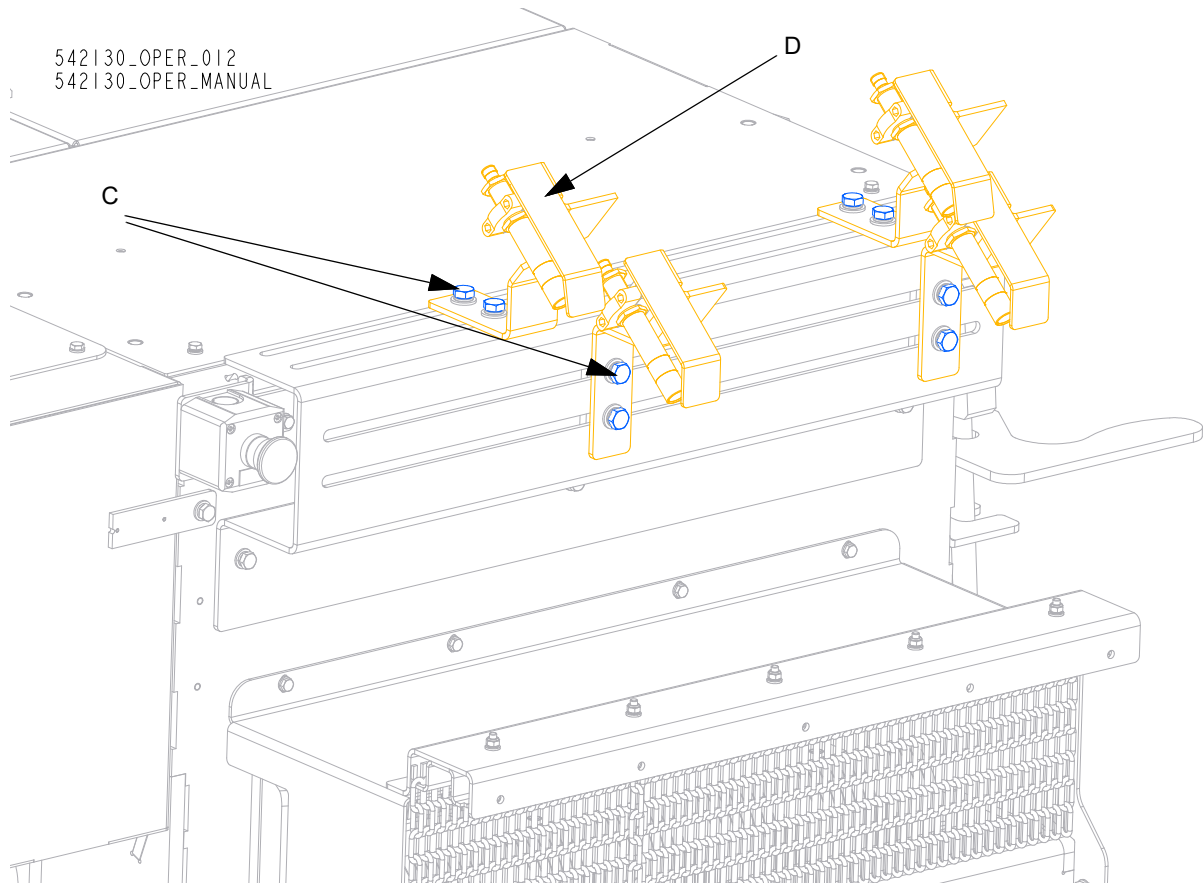


FIG. 3-3

3.2.2 Laser Guides Alignment - movable blade version of the EG800 edger

3.2.2.1 Fixed blades laser guides alignment

See Figure 3-4

1. Place a 2m long flat bar (A) on the input table.
2. Insert a flat bar (A) into the Edger and place it against the fixed blade (B)..

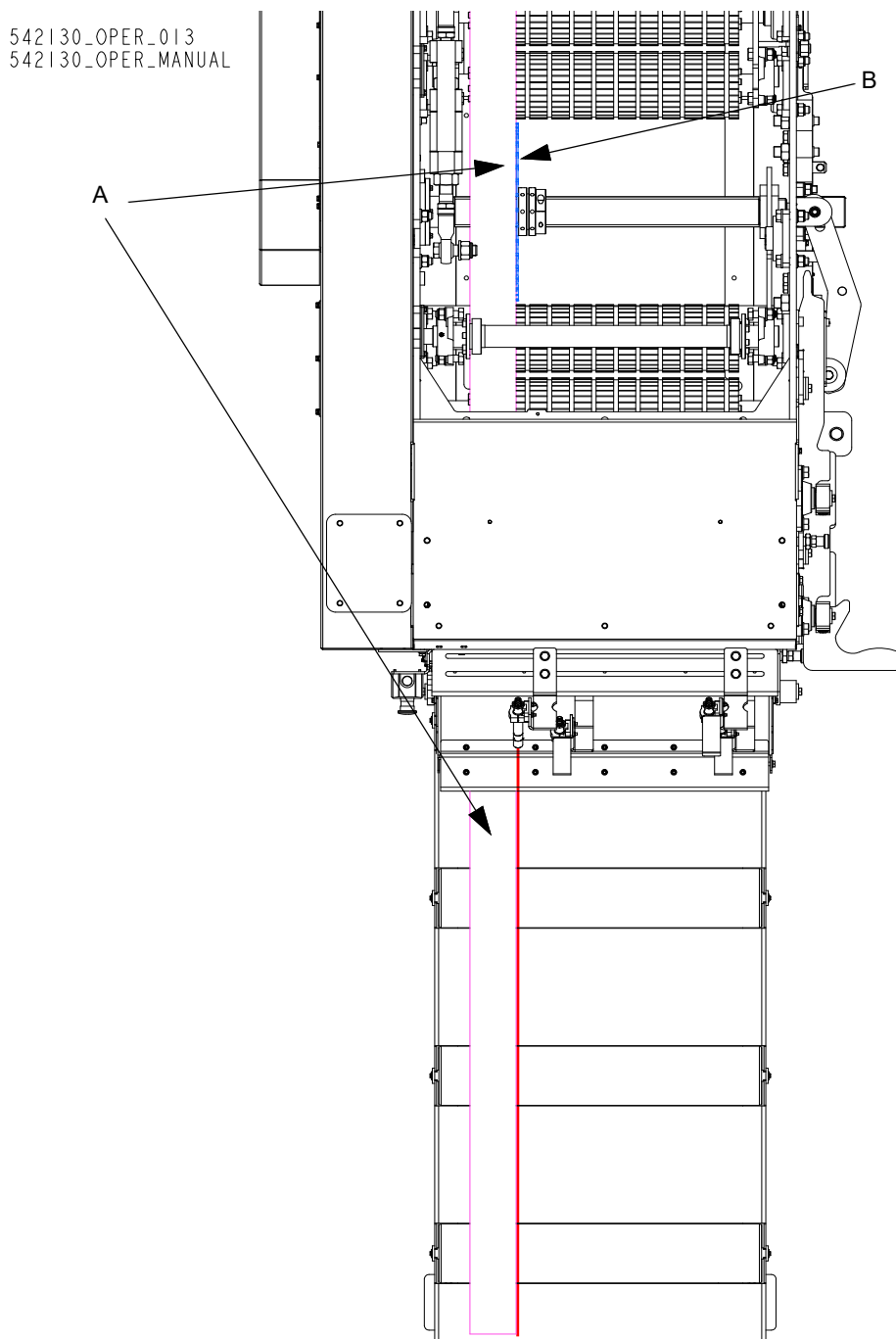
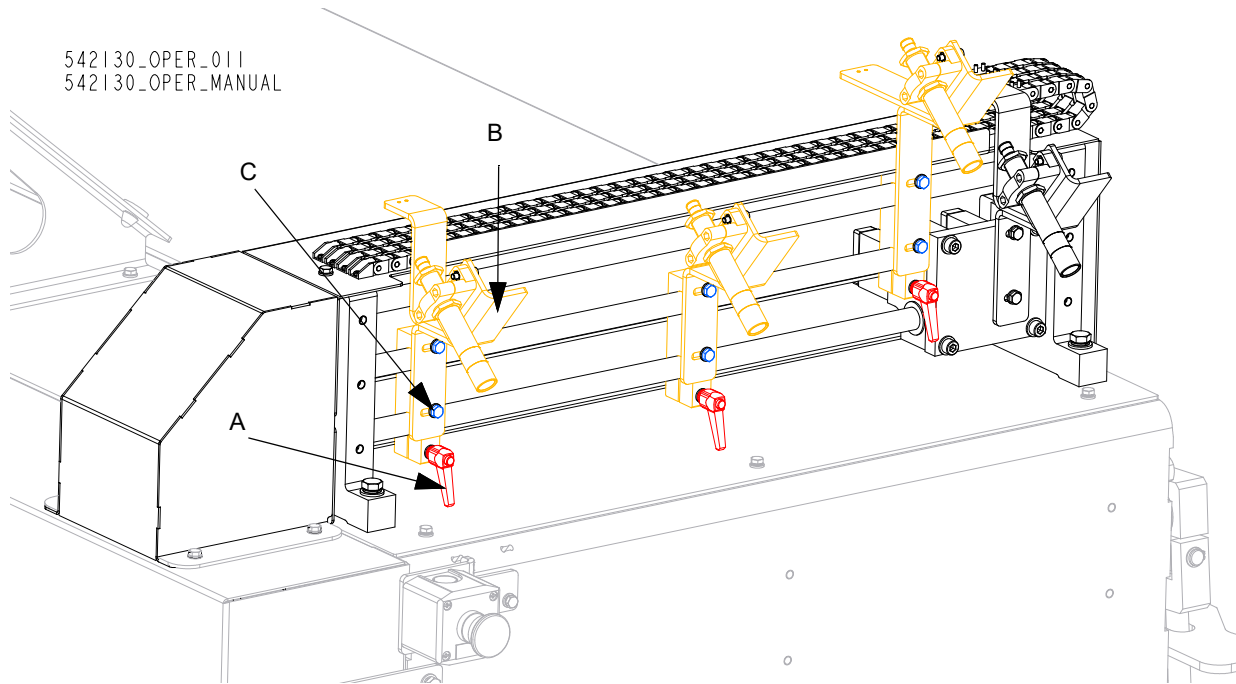


FIG. 3-4

See Figure 3-5

3. Align fixed blade laser guide by loosen the handle (A) and move the bracket (B) to the left or right. If the range of movement is not sufficient loosen bracket mounting bolts (C) and align again.
4. Tighten the handle (A) and/or mounting bolts (C).

**FIG. 3-5**

3.2.2.2 Movable blade laser guide alignment

See Figure 3-6

1. Place a 2m long flat bar (A) on the input table.
2. Insert a flat bar (A) into the Edger and place it against the movable blade (B)..

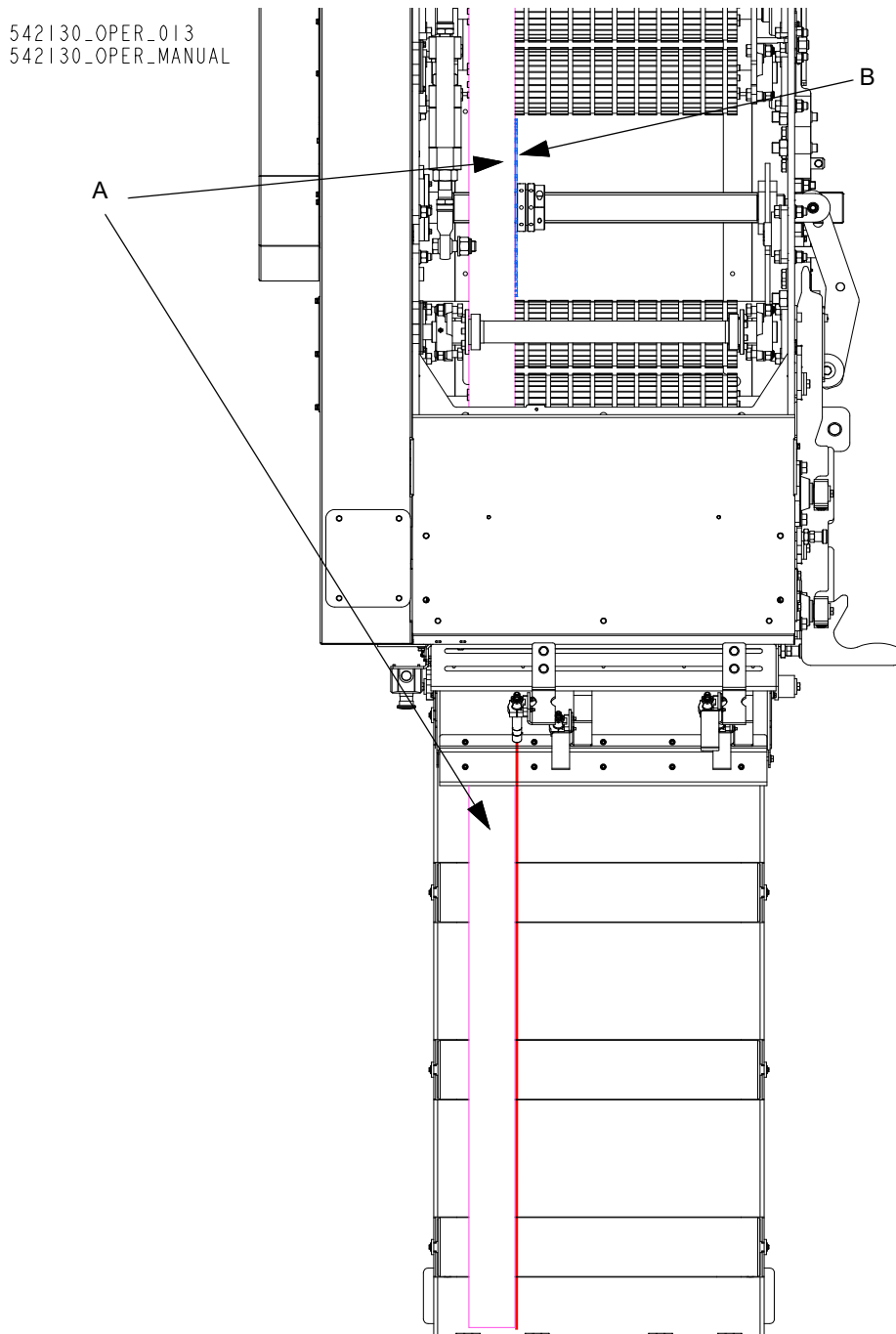


FIG. 3-6

See Figure 3-7

1. Unscrew the bolts (B) to remove laser cover (A).

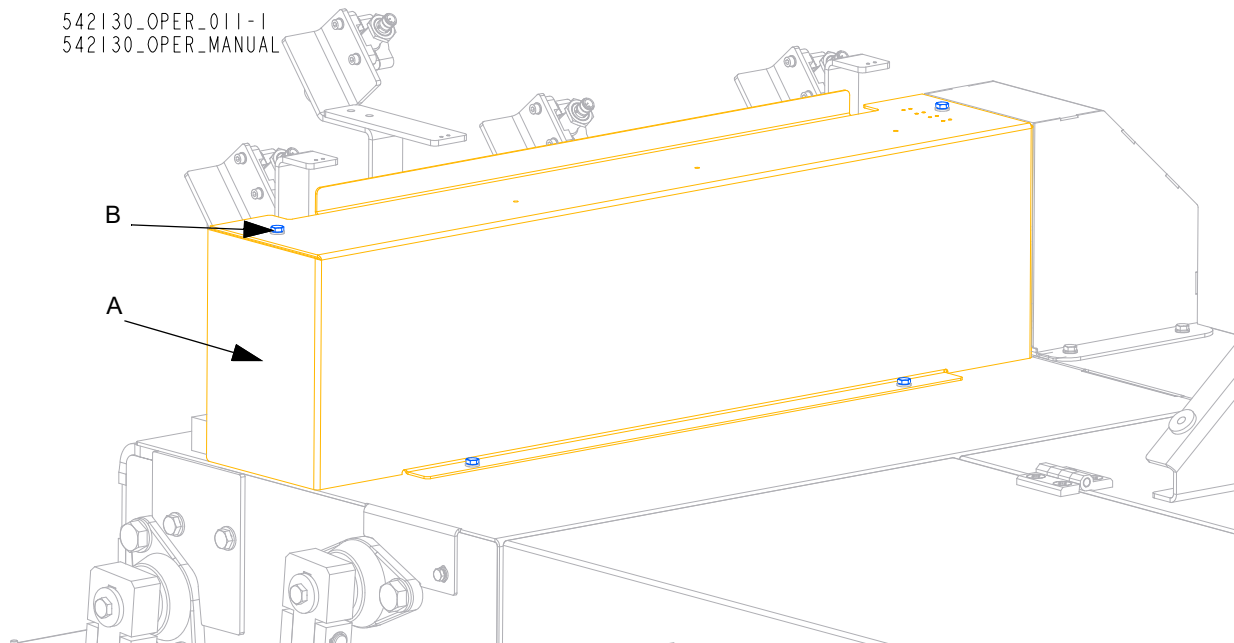


FIG. 3-7

See Figure 3-8

2. Loosen the mounting bolts (A) and move the runnerblock (B) to the left or right.
3. Tighten the mounting bolts (A).

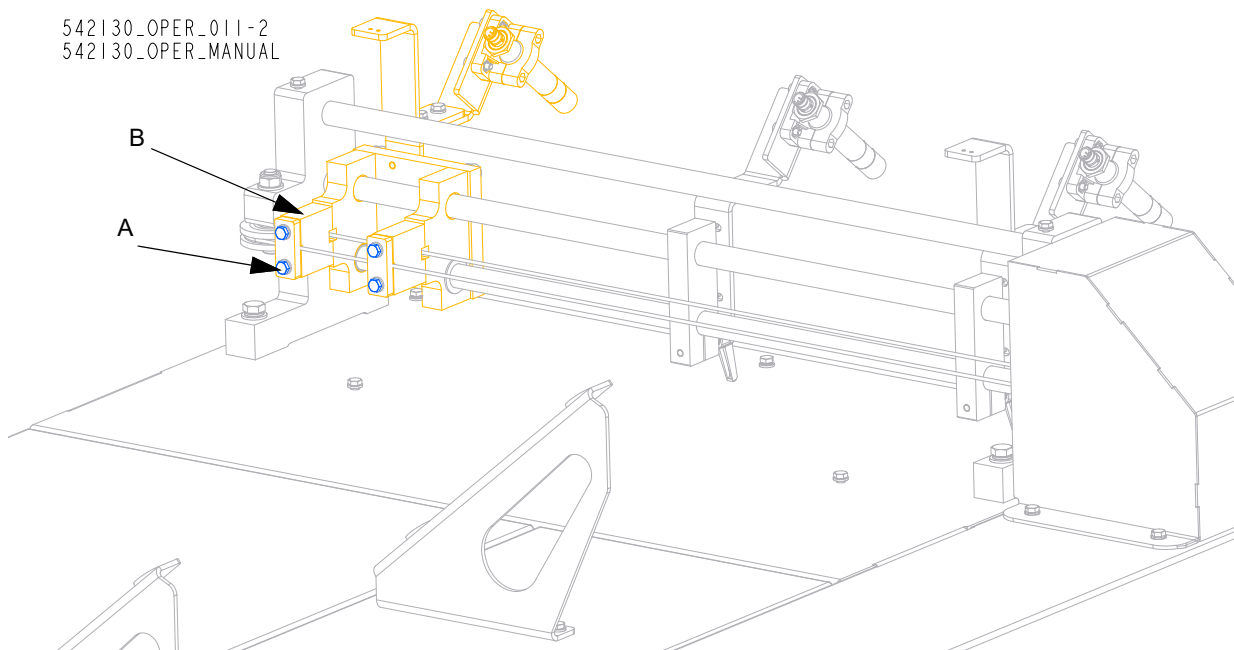
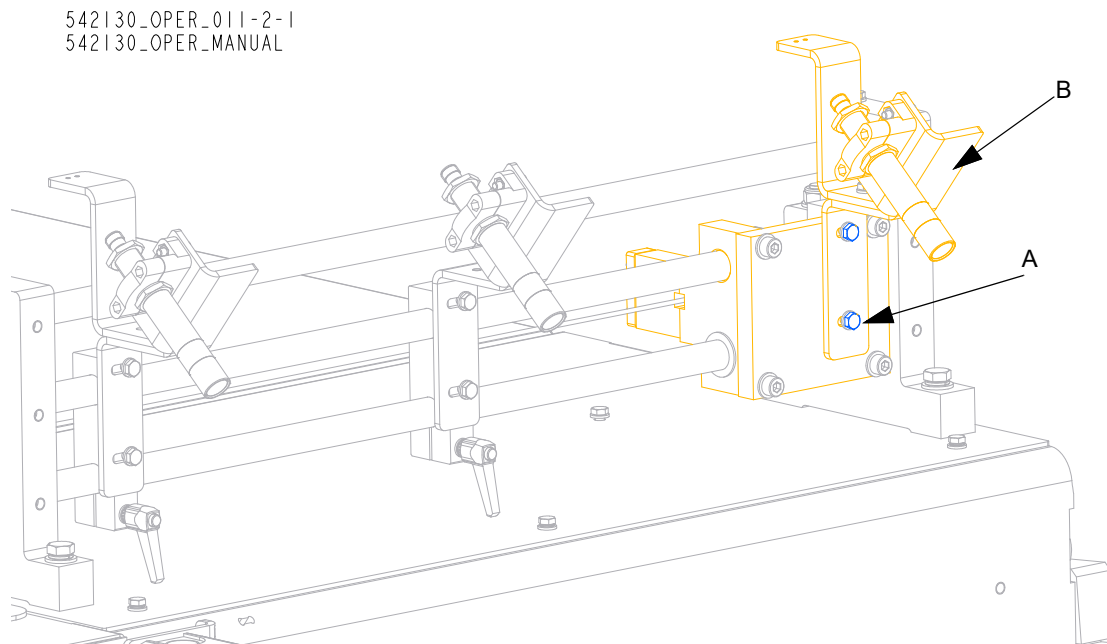


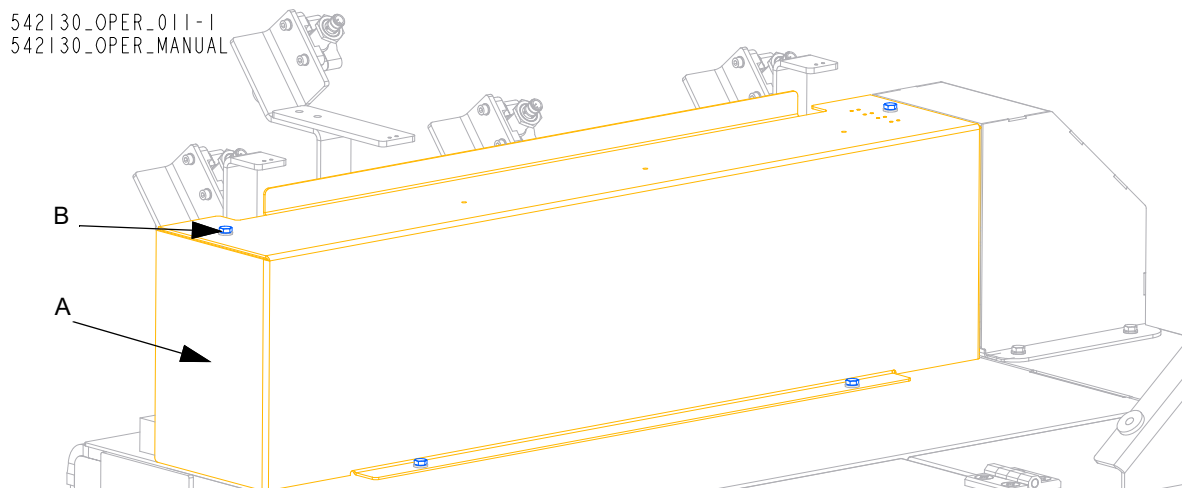
FIG. 3-8

See Figure 3-9

4. If the range of movement is not sufficient loosen bracket mounting bolts (A)
5. Move bracket (B)
6. Tighten mounting bolts (A).

**FIG. 3-9****See Figure 3-10**

7. Put the laser cover back on (A)
8. Tighten the mounting bolts (B).

**FIG. 3-10**

3.3 Replacing and aligning the blades

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



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



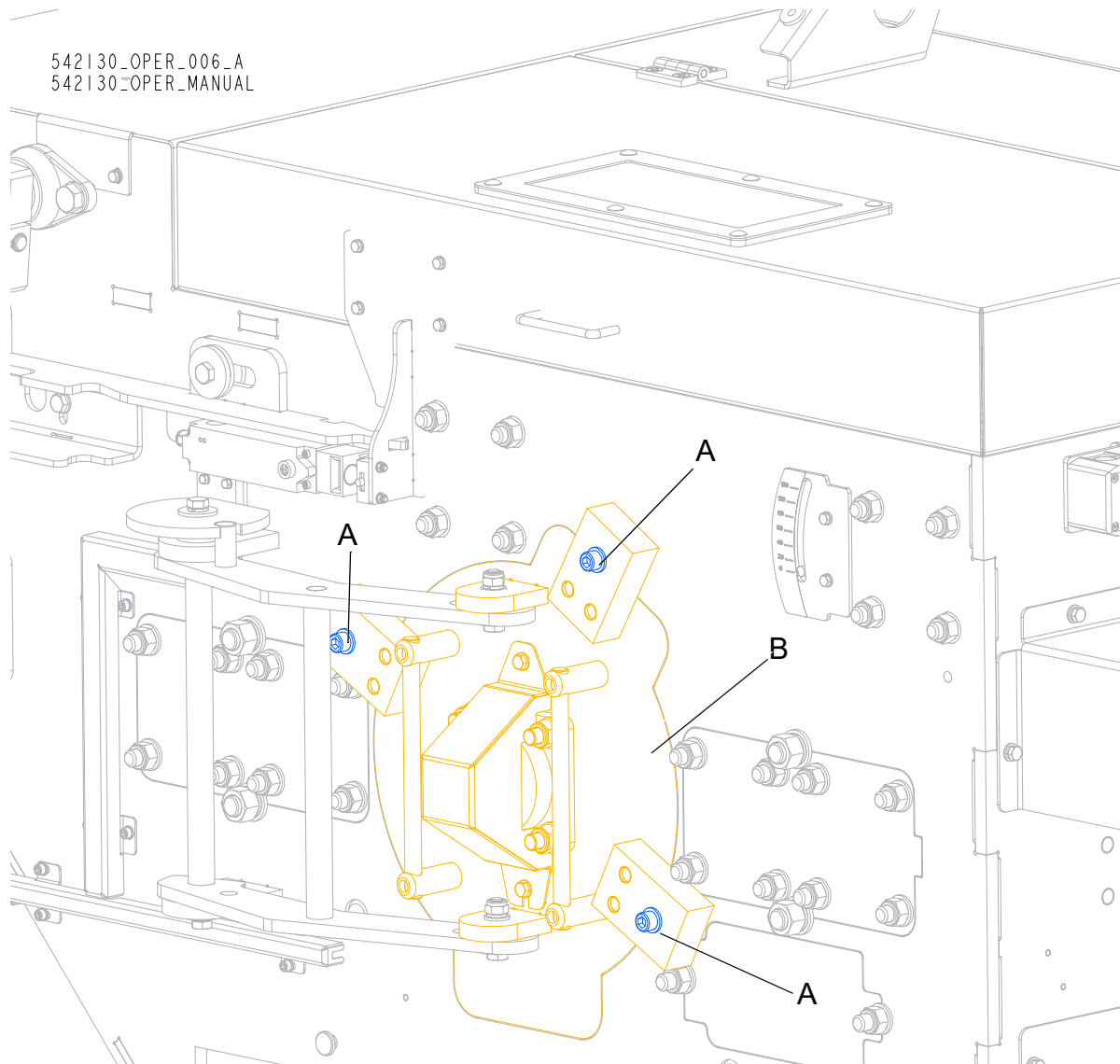
WARNING! Always wear eye, glove and foot protection when handling the blades.

3.3.1 Fixed blades

See Figure 3-11

1. Turn off the blade motors and wait for completely stop of edger's moving parts. Then set the main switch in the "0" position and disconnect the power cord.

2. Remove bolts (A) and blade drive shaft cover (B) to access the blades.

**FIG. 3-11****See Figure 3-12**

3. Place the provided wrench (A) on the blade drive shaft (B). Place the second wrench (also provided) on the nut (C), loosen and remove this nut to get access to spacers (D) and blades (E).
4. Align the distance between blades by adding or removing spacers. Replace the circular blades if needed.

5. Tighten the nut (C).

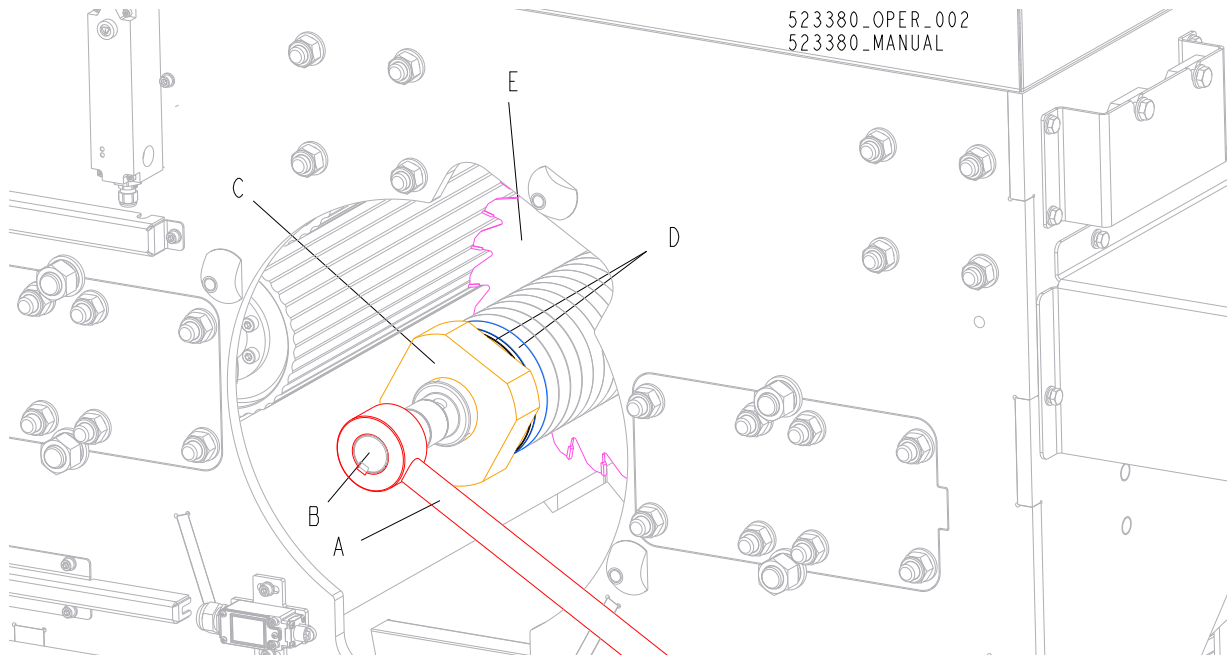
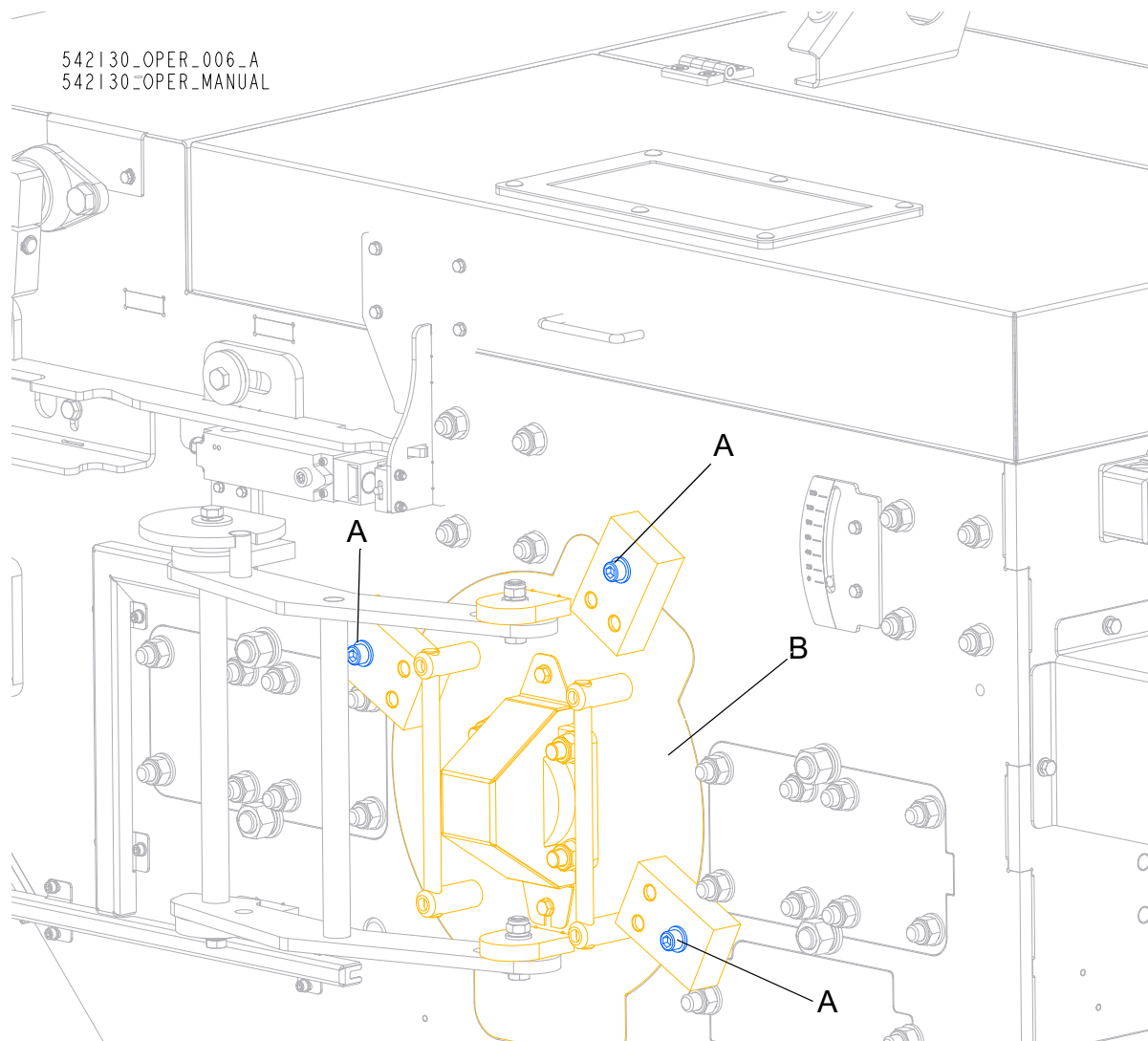


FIG. 3-12

6. Reinstall blade shaft cover (B) using the bolts (A).

See Figure 3-13**FIG. 3-13**

3.3.2 Movable blade option

See Figure 3-14

1. Turn off the blade motors and wait for completely stop of edger's moving parts. Then set the main switch in the "0" position and disconnect the power cord.

2. Remove bolts (A) and blade drive shaft cover (B) to access the blades.

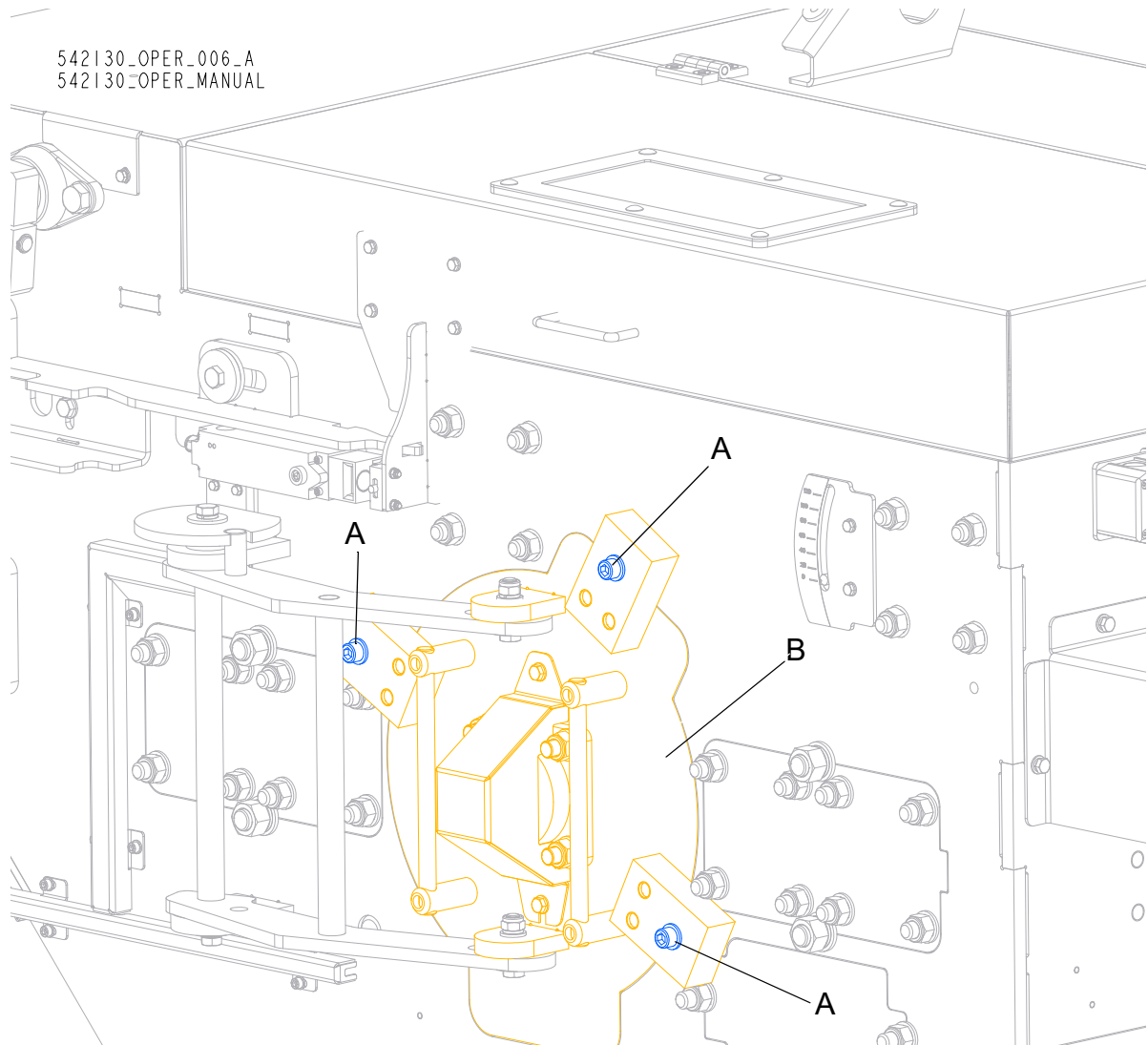


FIG. 3-14

3. Loosen the bolts (B) to remove slide bushing fork assembly (A).

See Figure 3-15

542130_OPER_007
542130_OPER_MANUAL

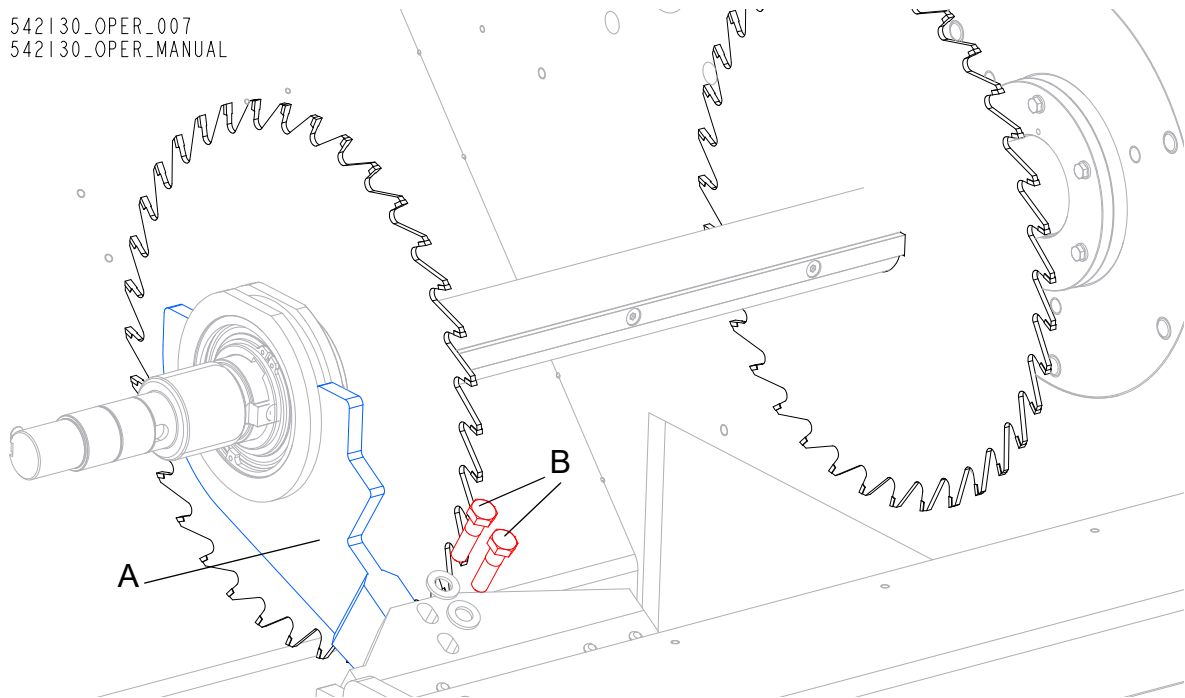


FIG. 3-15

See Figure 3-16

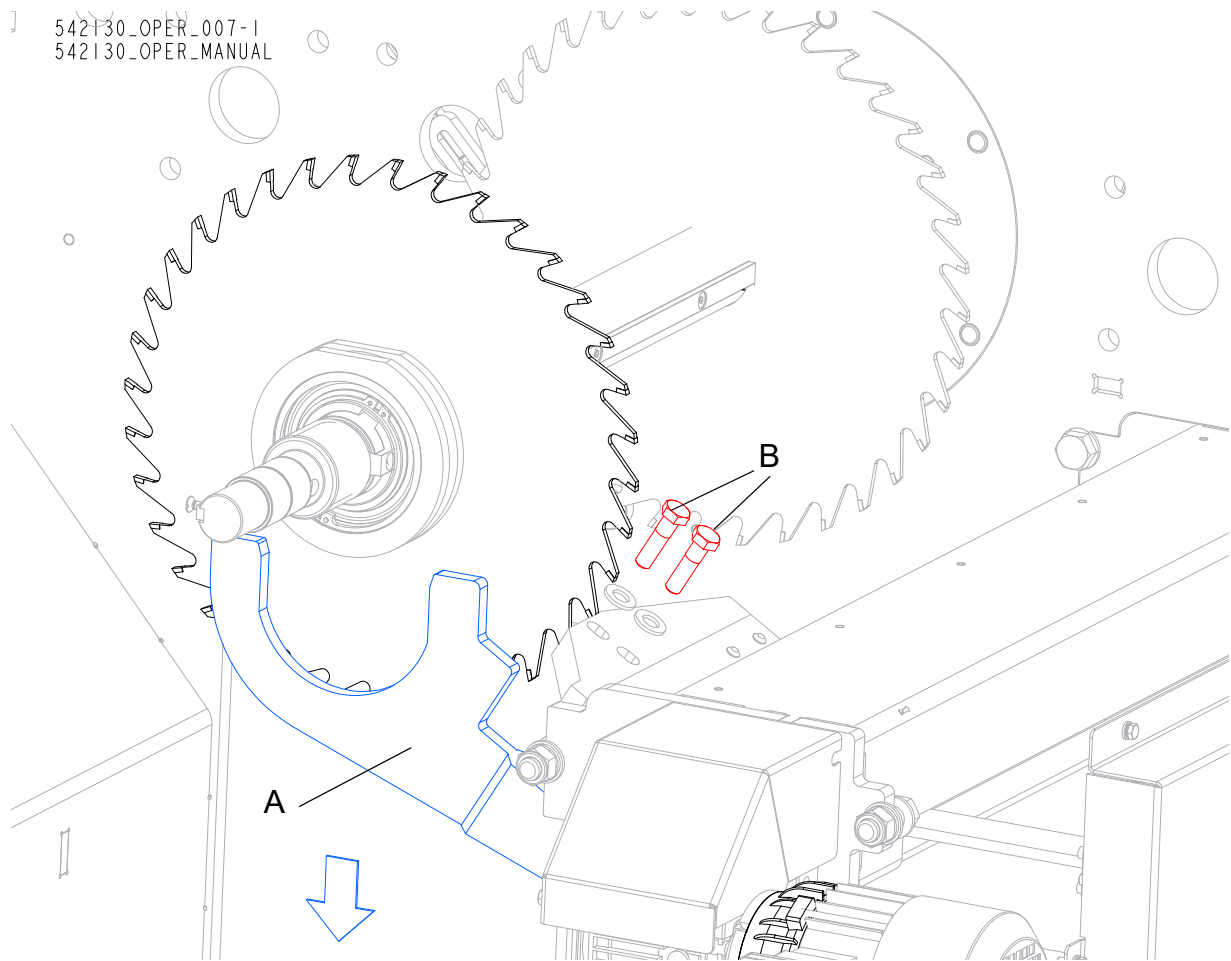


FIG. 3-16

4. Unscrew the nut (A)

See Figure 3-17

542130_OPER_007-3
542130_OPER_MANUAL

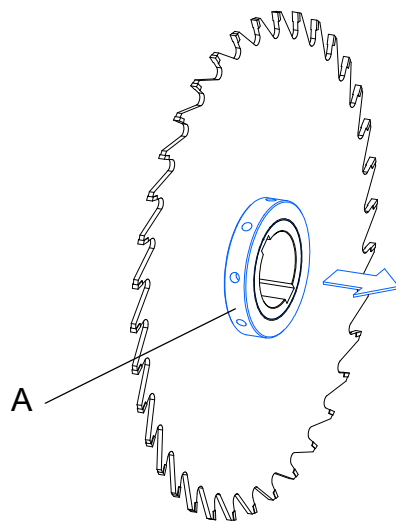


FIG. 3-17

5. Place the blade onto the bushing hub (A).
See Figure 3-18

542130_OPER_007-4
542130_OPER_MANUAL

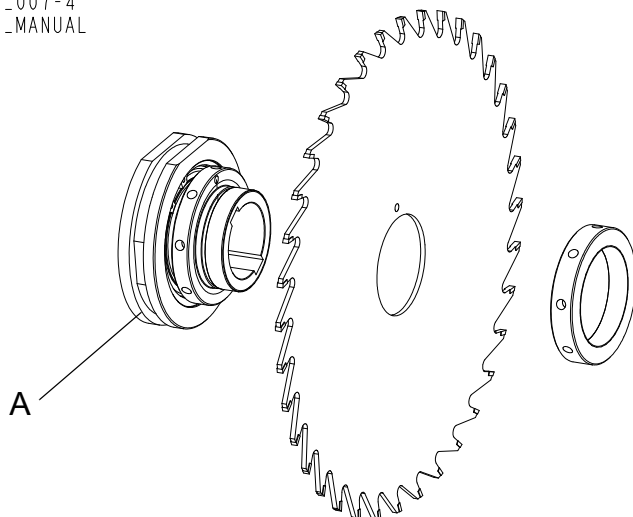


FIG. 3-18

6. Screw the nut (A) back onto the bushing hub (B).

See Figure 3-19

542130_OPER_007-4-1
542130_OPER_MANUAL

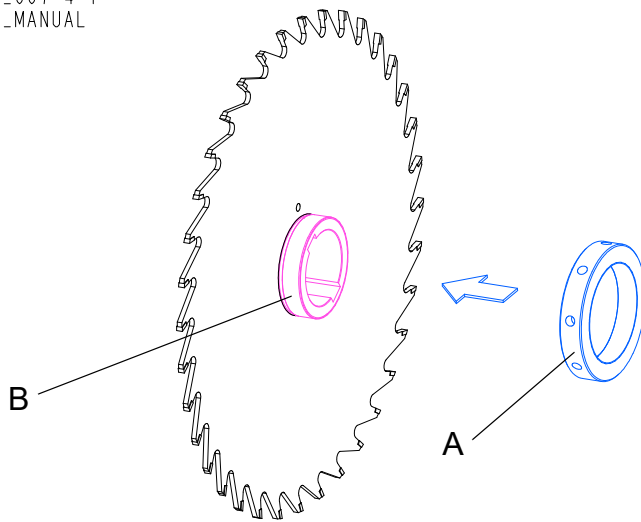
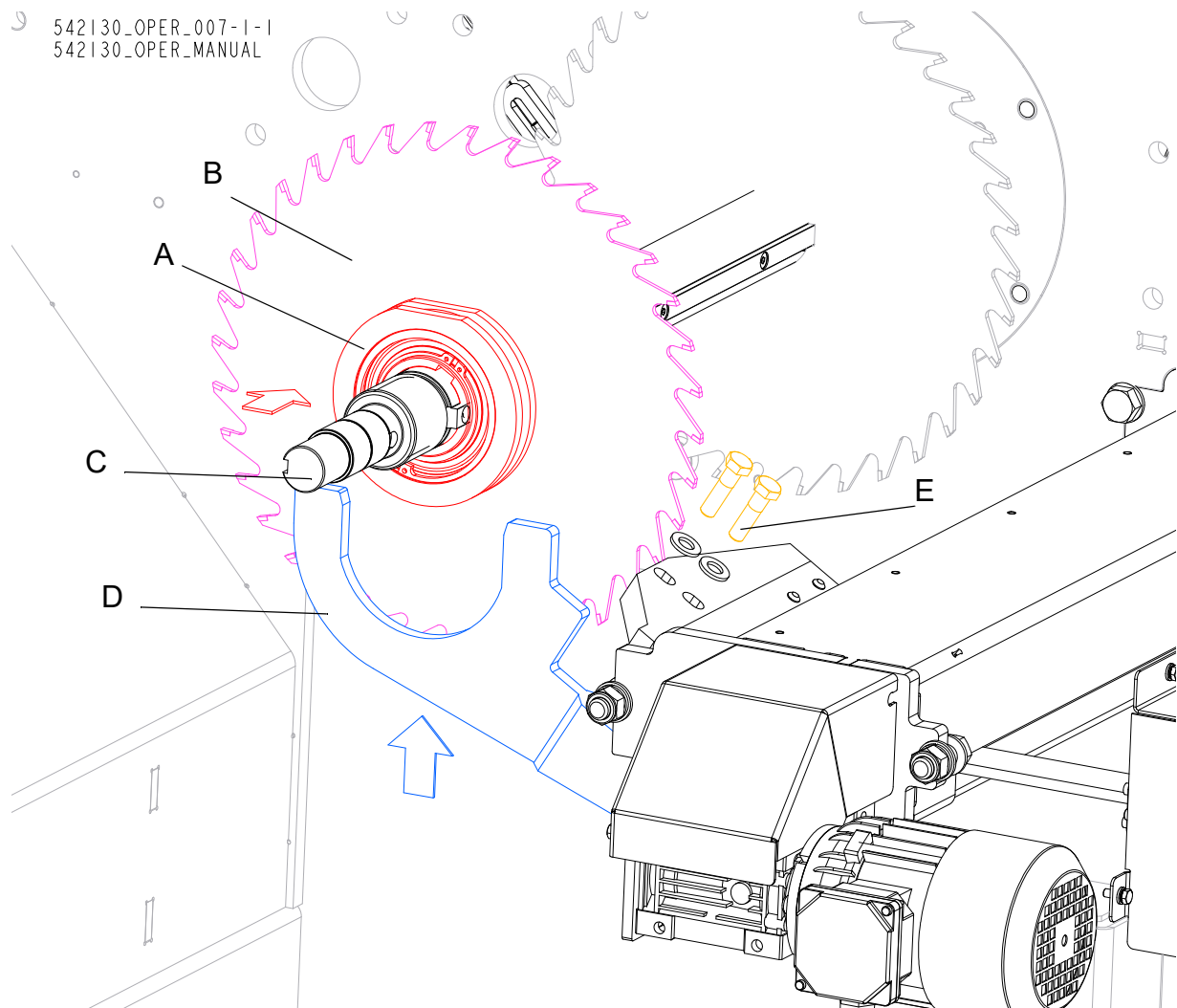


FIG. 3-19

7. Place the bushing (A) with the blade (B) back on the shaft (C). Mount back the slide bushing fork (D) using fasteners (E).
See Figure 3-20

**FIG. 3-20**

8. Reinstall blade shaft cover (B) using the bolts (A).

See Figure 3-21

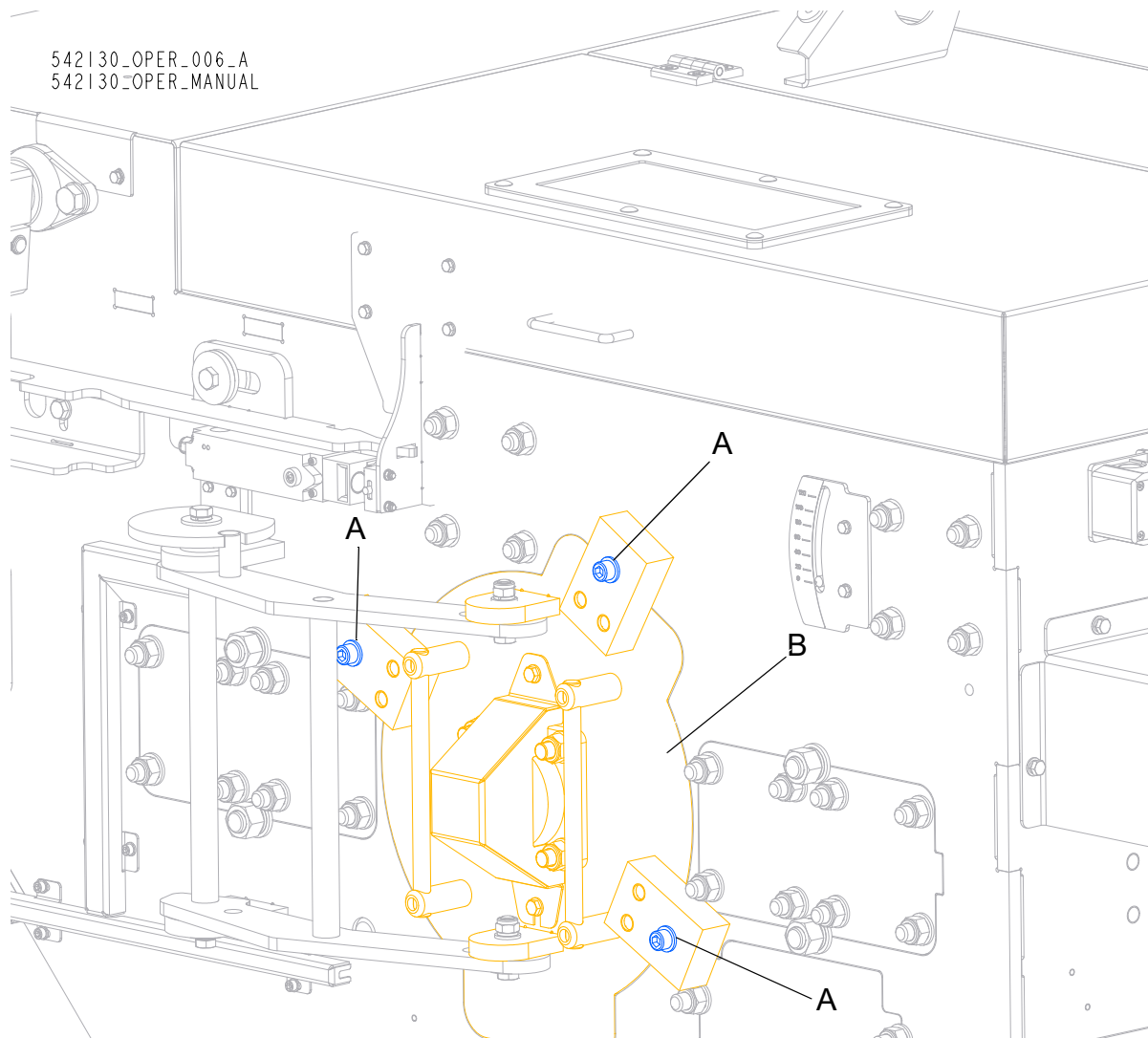


FIG. 3-21

3.3.3 Optional bushing

If optional bushing is installed to change the blade:

See Figure 3-22

1. Turn off the blade motors and wait for completely stop of edger's moving parts. Then set the main switch in the "0" position and disconnect the power cord.

2. Remove bolts (A) and open the blade drive shaft cover (B) to access the blades.

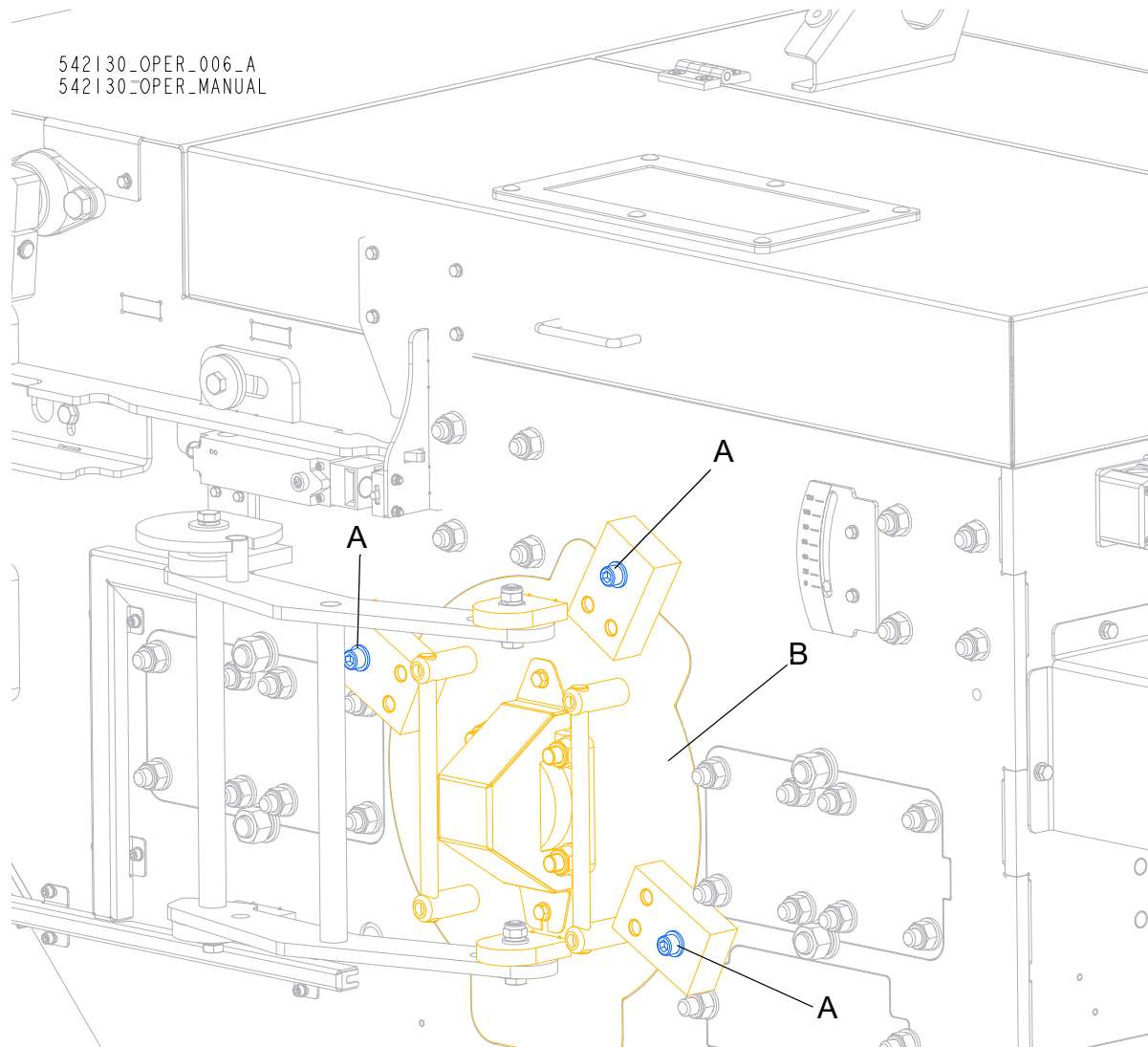


FIG. 3-22

If the fixed blades are installed, remove the nut as shown in [See Section 5.2.1 - Stationary Blades](#).

If the Movable Blade Option is installed, remove movable blade bushing as shown in [See Section 3.3.2 - Movable blade option](#)

3. Loosen bolts (A) and remove clamp ring (B)

See Figure 3-23 .

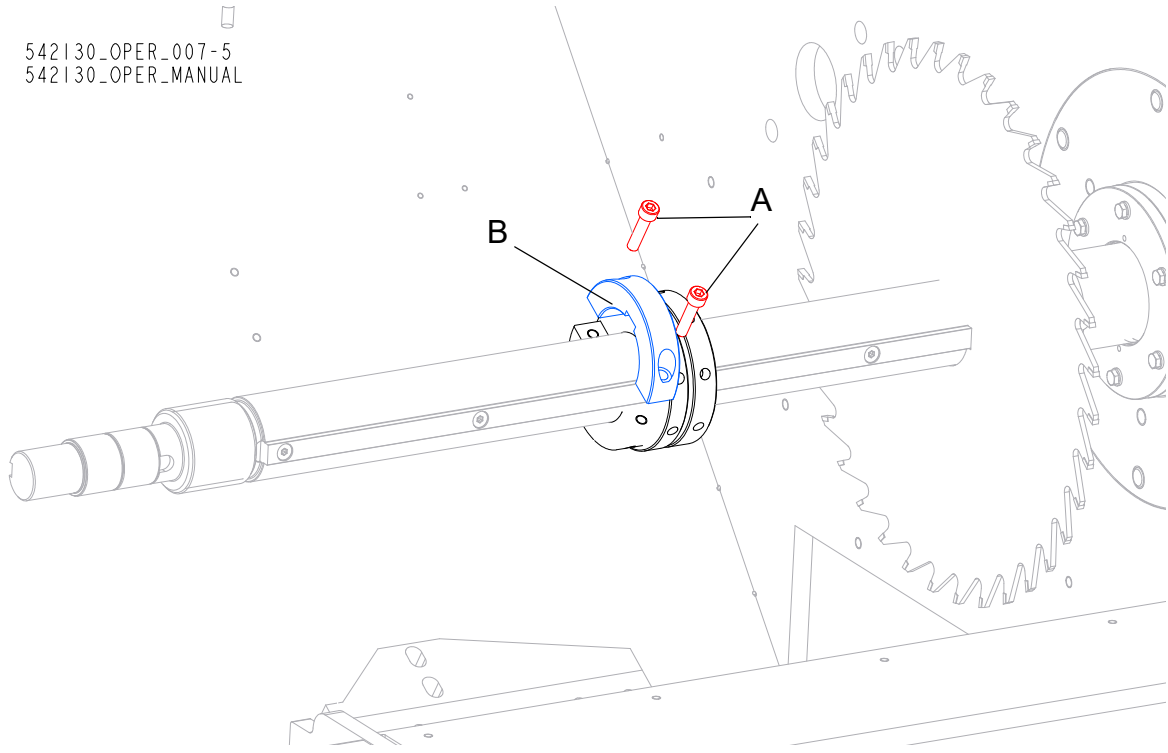


FIG. 3-23

4. Remove bushing from the shaft

See Figure 3-24 .

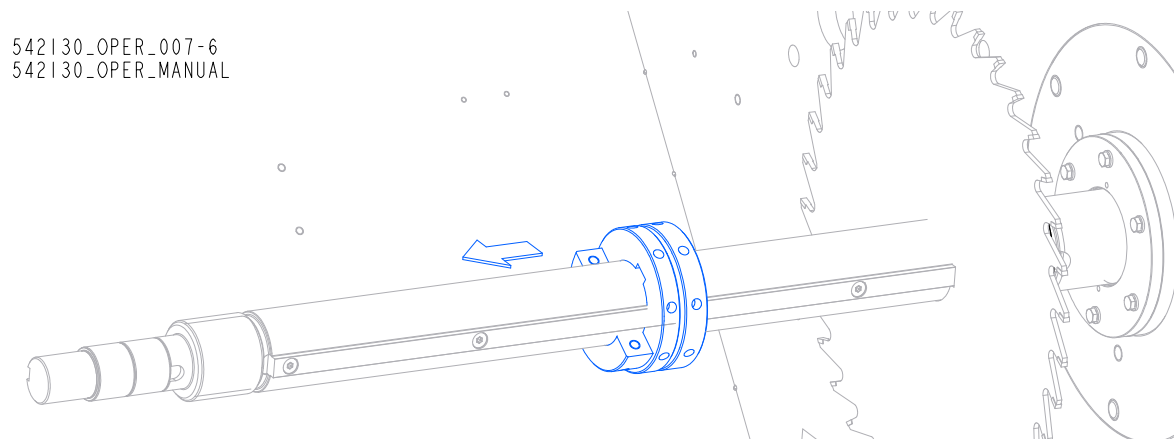


FIG. 3-24

5. Unscrew the nut (A)

See Figure 3-25 .

542130_OPER_007-7
542130_OPER_MANUAL

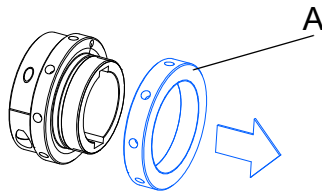


FIG. 3-25

6. Place the blade onto the bushing hub (A)

See Figure 3-26 .

542130_OPER_007-8
542130_OPER_MANUAL

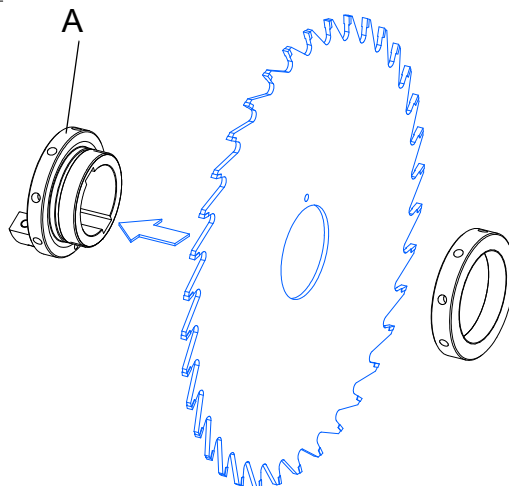


FIG. 3-26

7. Screw the nut (A) back onto the bushing hub (B).

See Figure 3-27 .

542130_OPER_007-9
542130_OPER_MANUAL

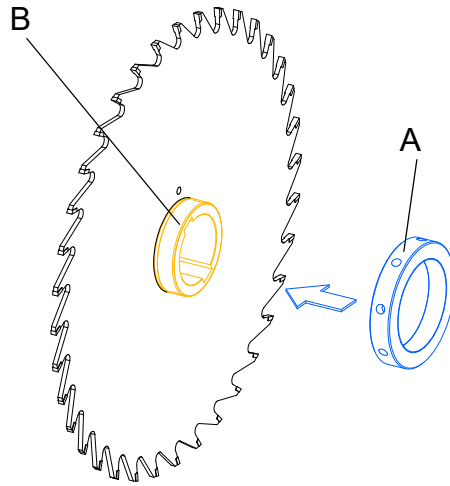


FIG. 3-27

8. Place the bushing with the blade back on the shaft.

See Figure 3-28 .

542130_OPER_007-10
542130_OPER_MANUAL

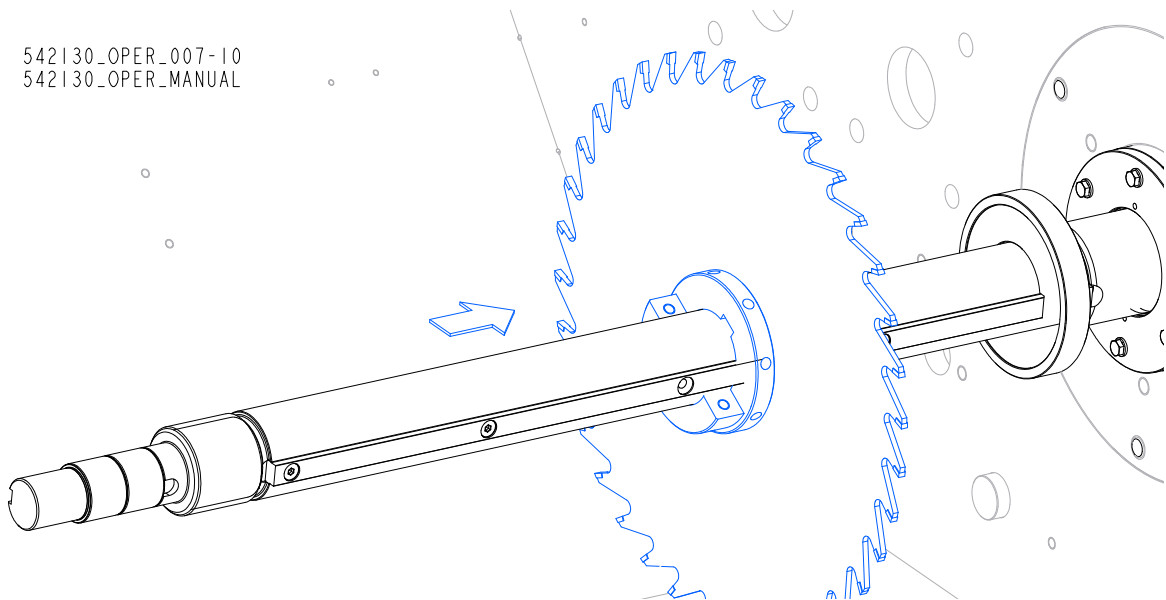


FIG. 3-28

9. Mount back the clamp ring (A) using the fasteners (B).

See Figure 3-29 .

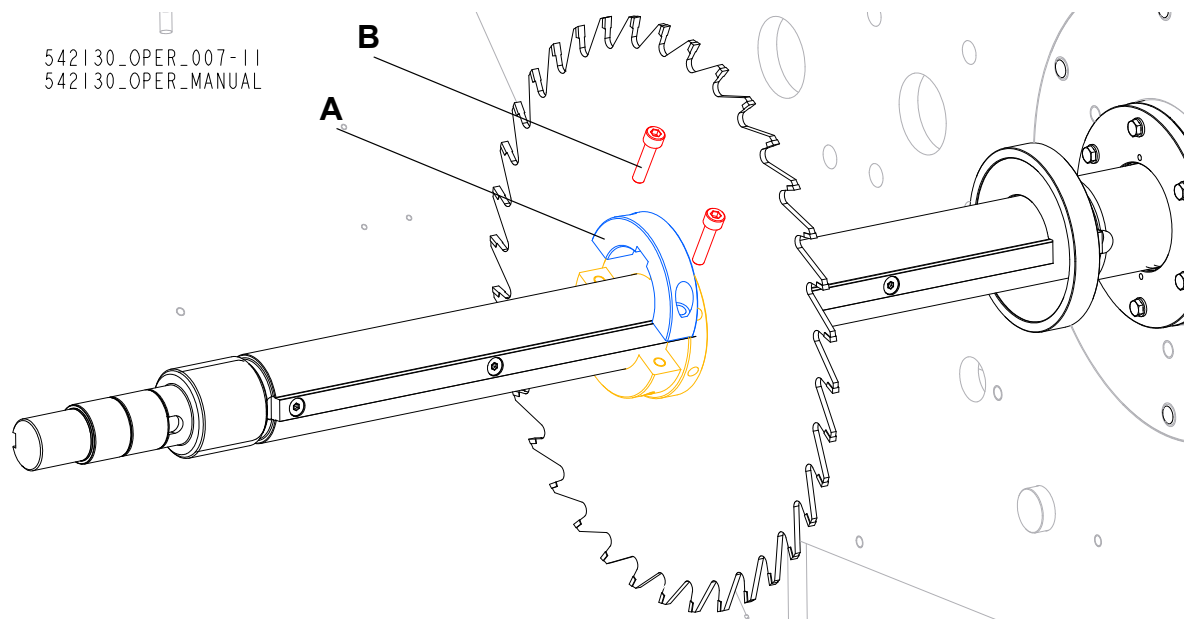


FIG. 3-29

If the fixed blades are installed, reinstall the nut as shown in [See Section 5.2.1 - Stationary Blades](#).

If the Movable Blade Option is installed reinstall movable blade bushing as shown in [See Section 3.3.2 - Movable blade option](#)

10. Use bolts (A) to reinstall blade shaft cover (B).

See Figure 3-30

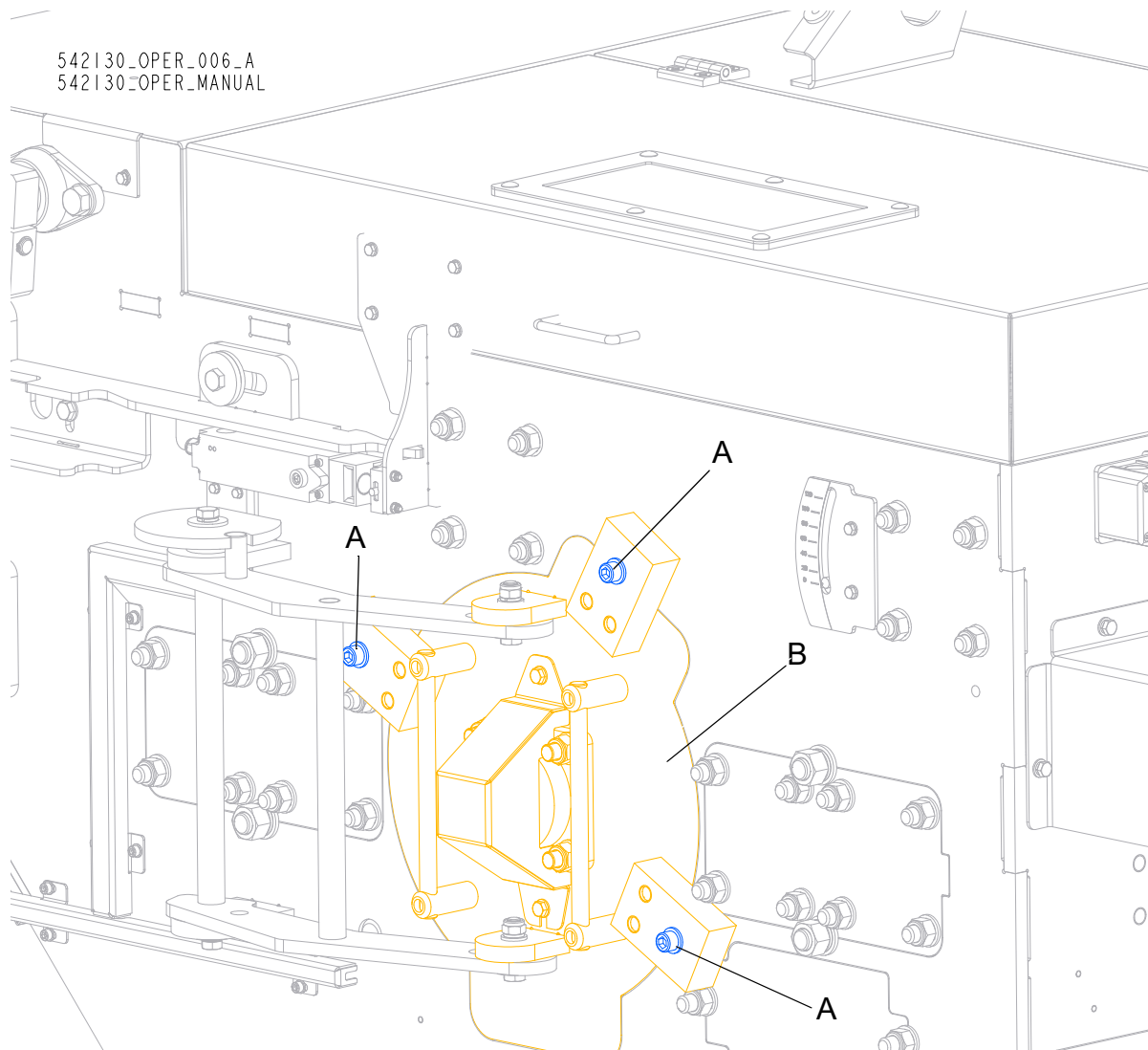


FIG. 3-30

3.4 Tensioning the chains and 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 may result in serious injury.

Before tensioning the chains, make sure the motor is turned off and the main switch is in the "0" position. Disconnect the power cord. Failure to do so may result in serious injury.

3.4.1 Transporter belt tensioning

Adjust the belt as necessary.

See Figure 3-31

- To adjust the belt tension:

1. To remove transporter from the chassis unlock transporter locking pins (A) and unbolt fasteners (B)

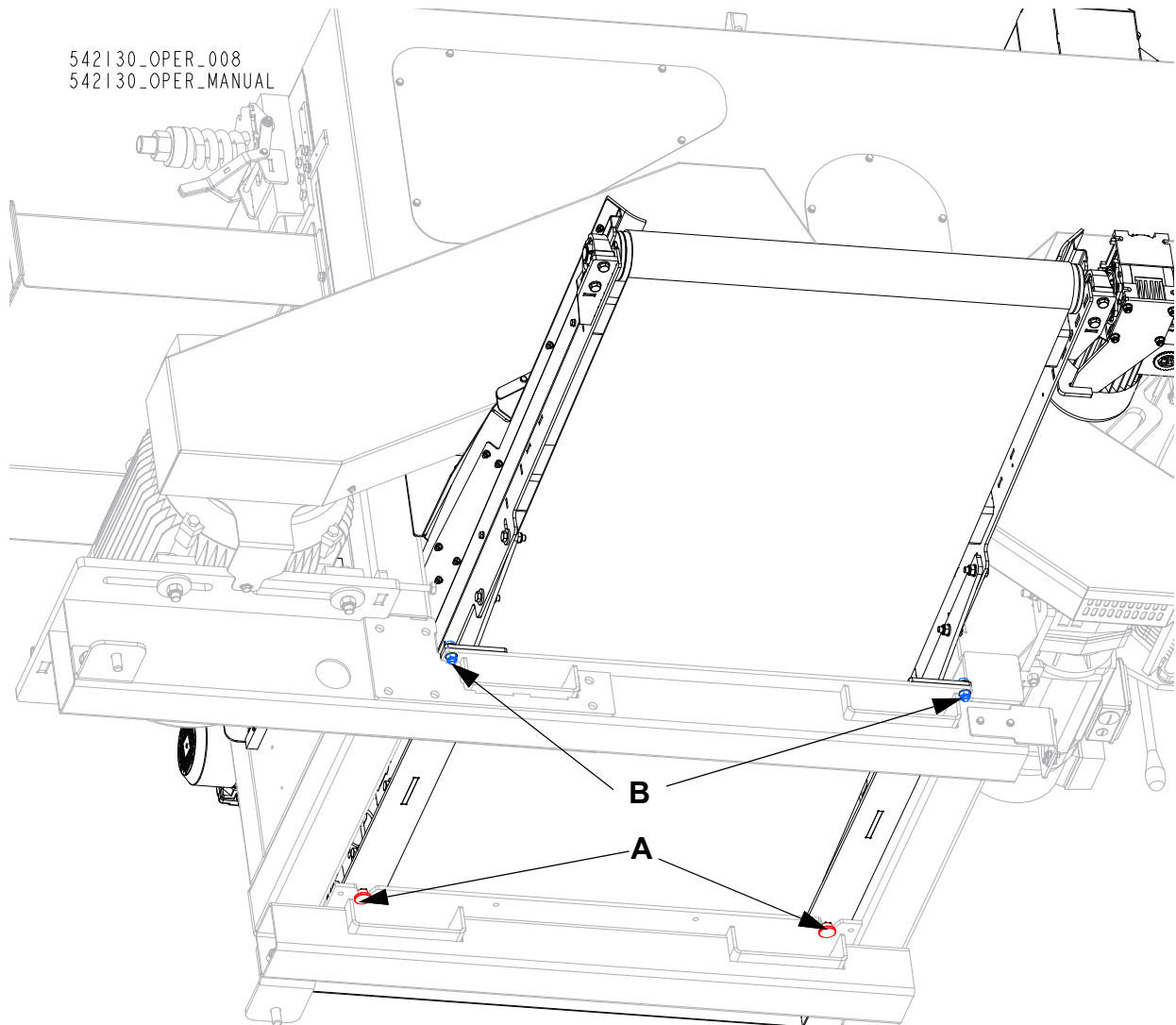


FIG. 3-31

See Figure 3-32

2. Loosen Bolts (A). Using the tensioner bolt and nut (B), tension the transporter belt evenly. Tighten

bolts (A).

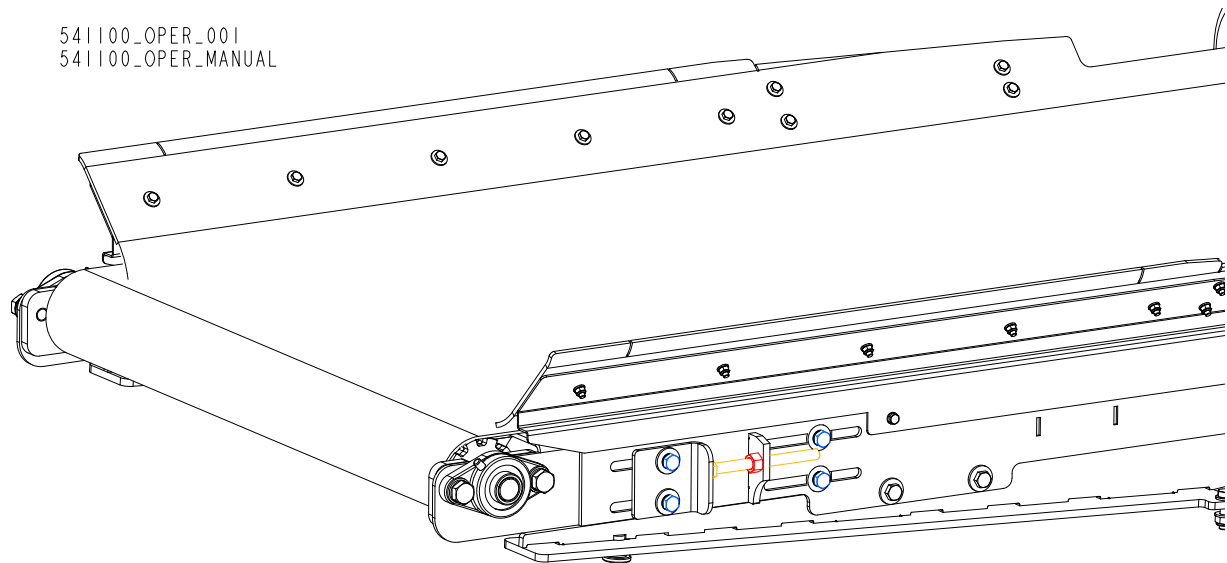


FIG. 3-32

3. Reinstall transporter into chassis [See Section 3.1 - Waste transporter installation.](#)

3.4.2 Main drive belts



Check the main drive belts tension every 40 hours of operation. Adjust the belt if necessary. The belts should have approximately 15 mm of slack.

See Figure 3-33

- To adjust the main drive belts tension:

1. Loosen motor mounting bolts (A)
2. Adjust tension evenly on both sides of the motor using the nuts and bolts (B) shown in the figure

below.

523380_OPER_003
523380_MANUAL

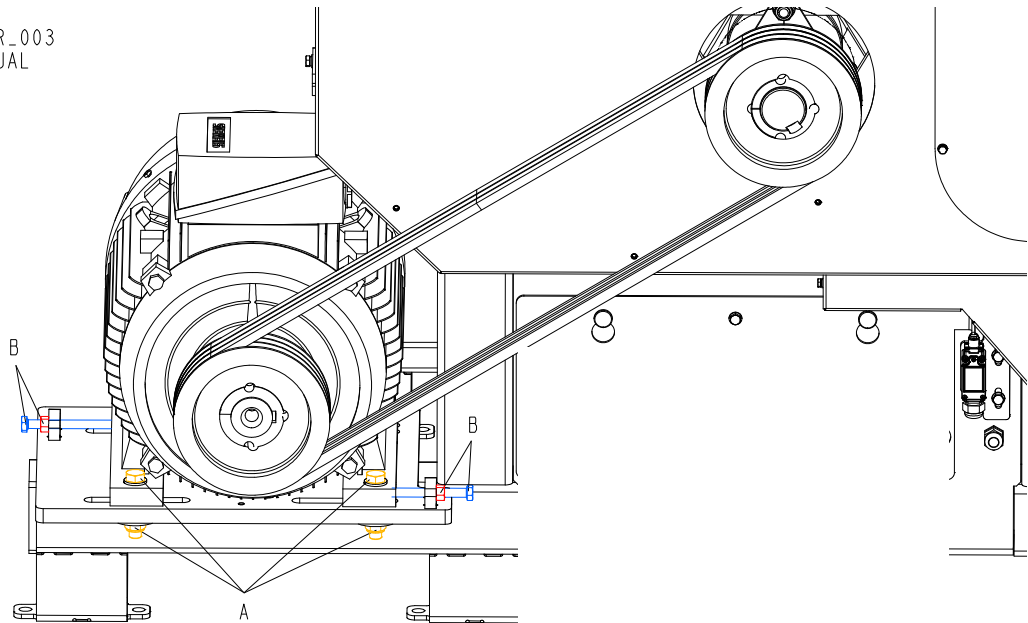


FIG. 3-33

See Figure 3-34 Be sure that motor pulley (A) and arbor pulley (B) are in line.

523380_OPER_003
523380_MANUAL

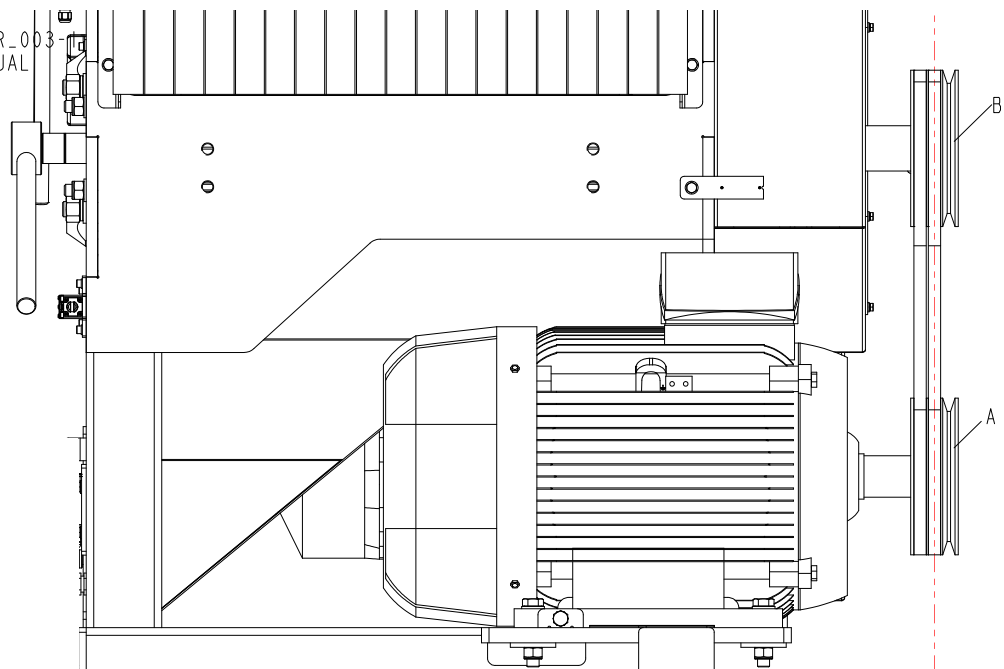


FIG. 3-34

3.4.3 Roller chain tension



Check that the roller chain is tensioned properly every 100 hours of operation. Adjust the chain if

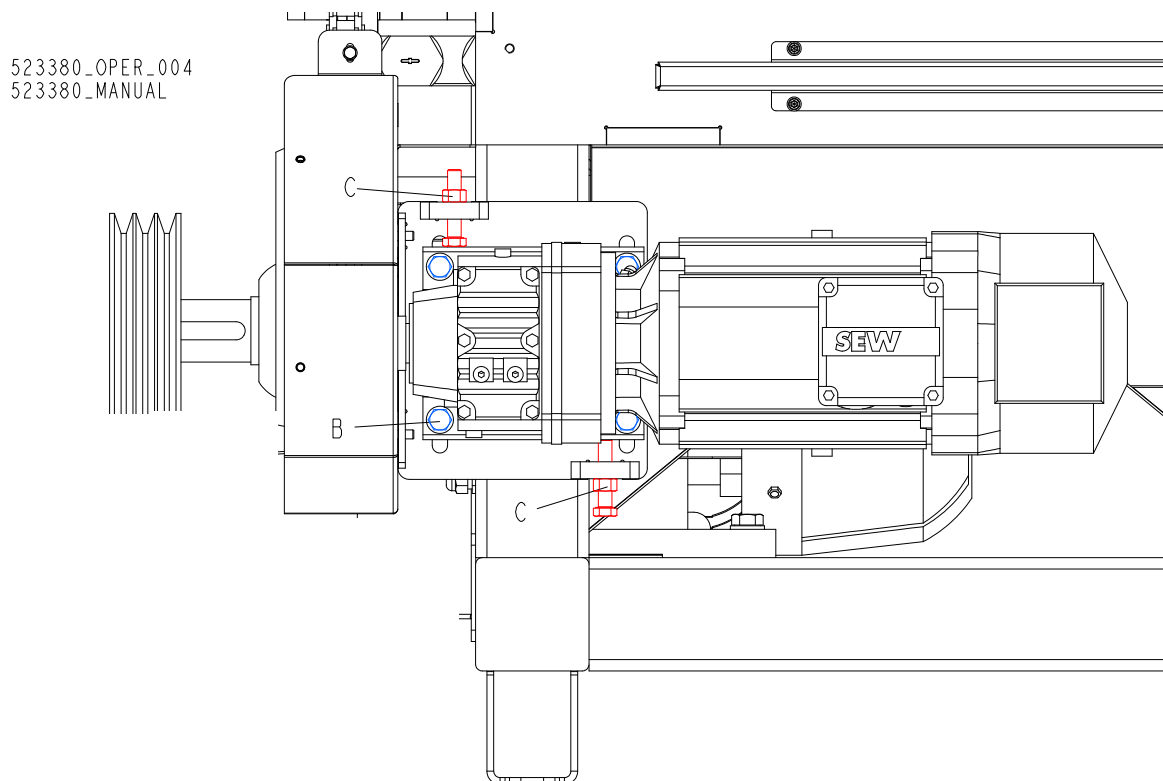
necessary. The chain should have approximately 15 mm of slack.

See Figure 3-35

To adjust the rollers chain (A) tension:

1. Loosen the bolts (B)
2. Adjust tension evenly on both side of the gear motor by using nuts and bolts (C).

3. After tensioning the chain, tighten the bolts (B).



SCALE 0.150

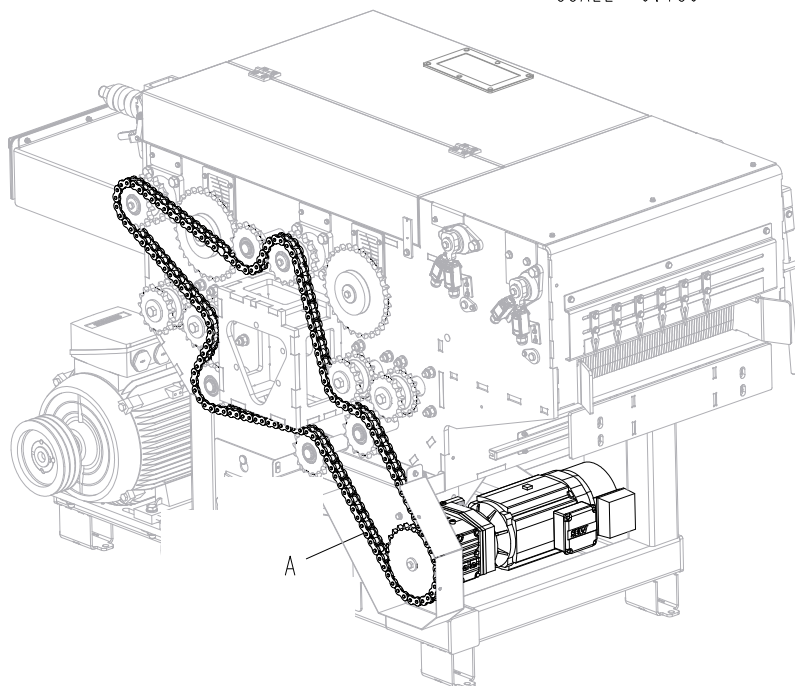

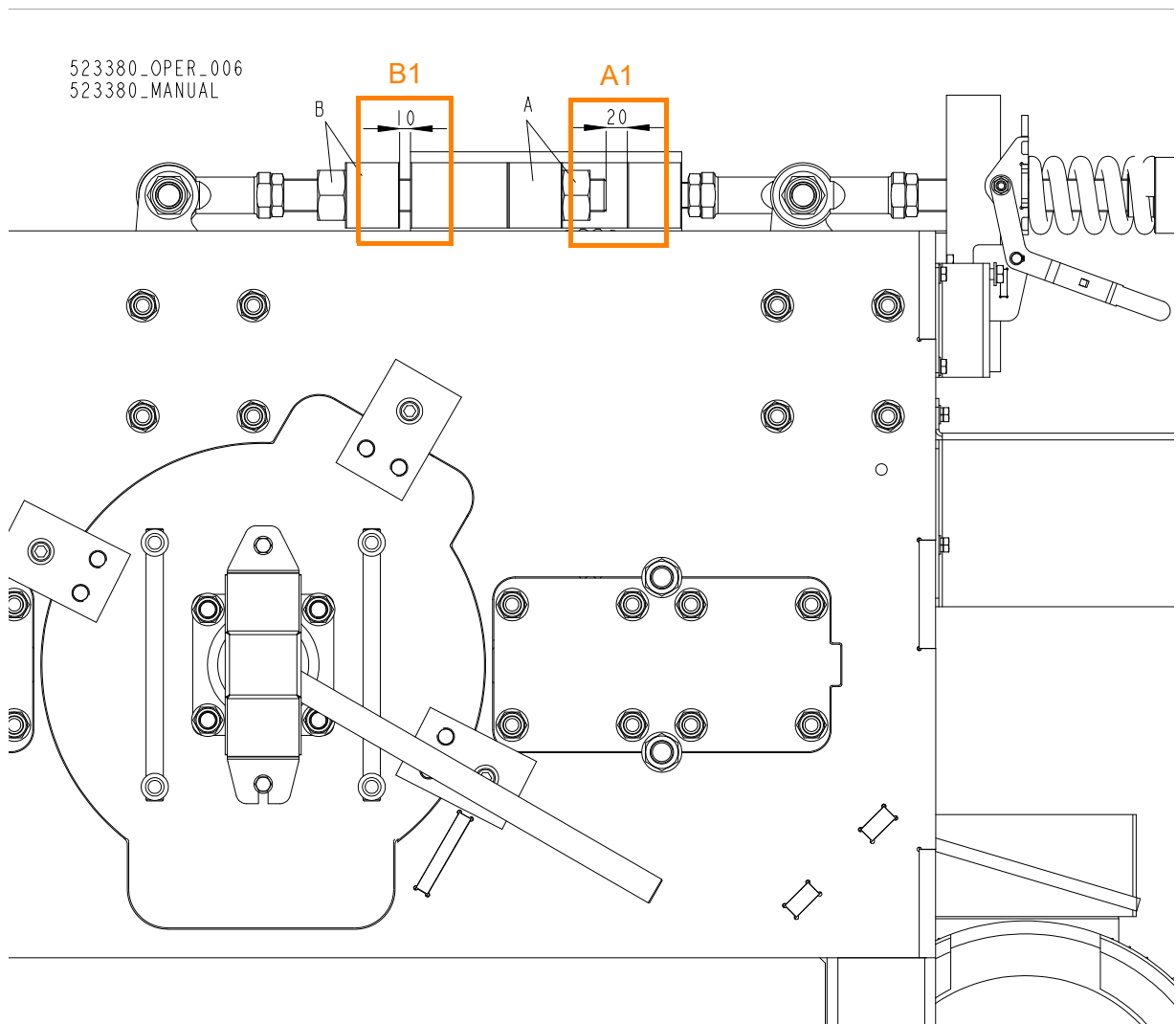


FIG. 3-35

3.5 Adjusting height of the hold-down rollers


See Figure 3-36

 **IMPORTANT!** Be sure the dimensions in rollers lifter mechanism are as shown below. If not, adjust backlash A1 using nuts (A) to 20 mm and backlash B1 using nuts B to 10 mm.



RYS. 3-36

See Figure 3-37

 **IMPORTANT!** Space between rollers must be minimum 20 mm for

boards up to 50mm and **50mm** for boards from 50mm to 107mm.

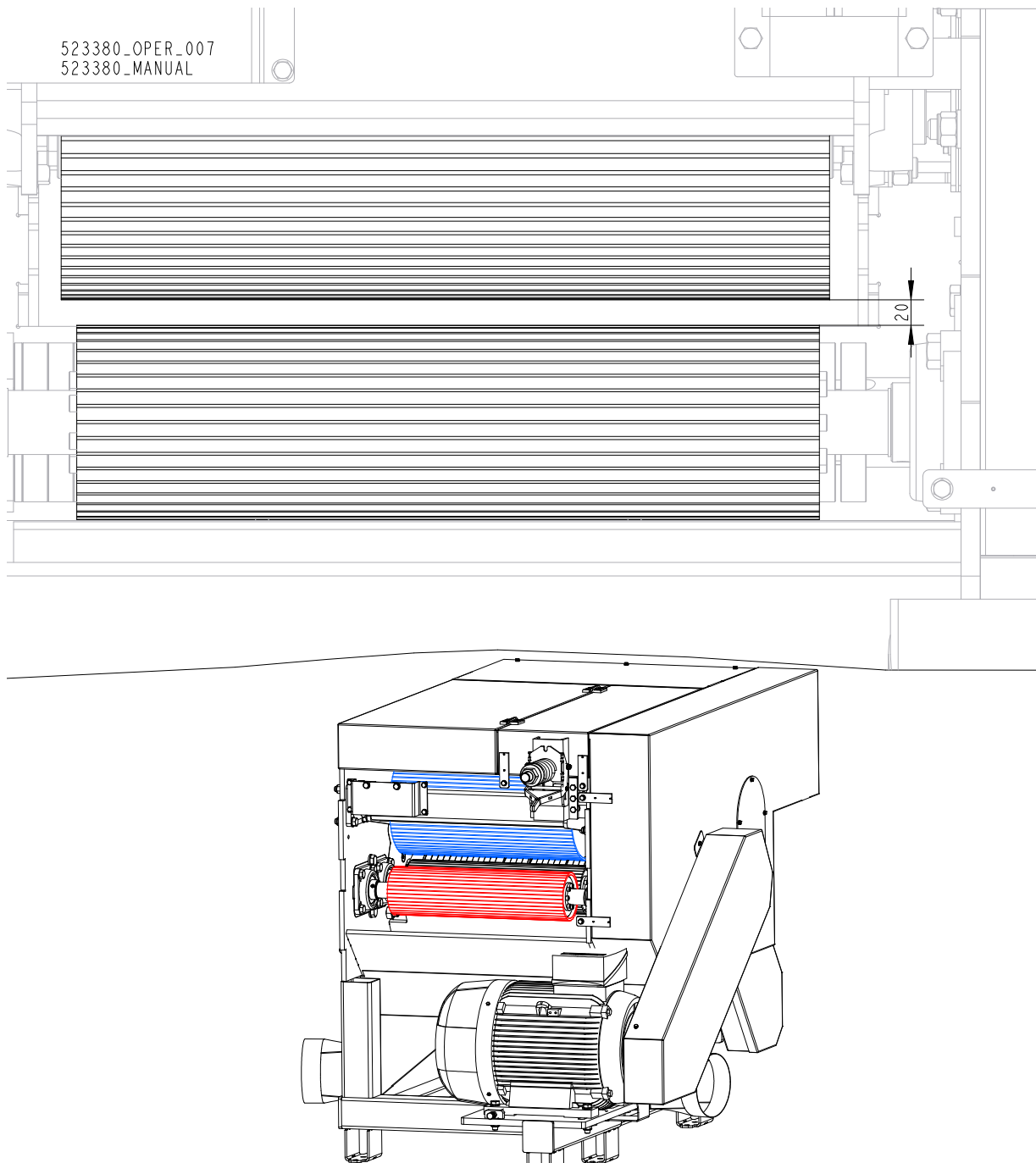


FIG. 3-37

See Figure 3-38

To adjust the rollers height:

- Use nuts (B) to adjust hold-down rollers (A) height .
- You can also use 10mm thick flat plates (C) to change the rollers height by 10mm. Push down

lever (D) and put flat plate (C) in place shown in picture 4-13.

See Figure 3-39 .

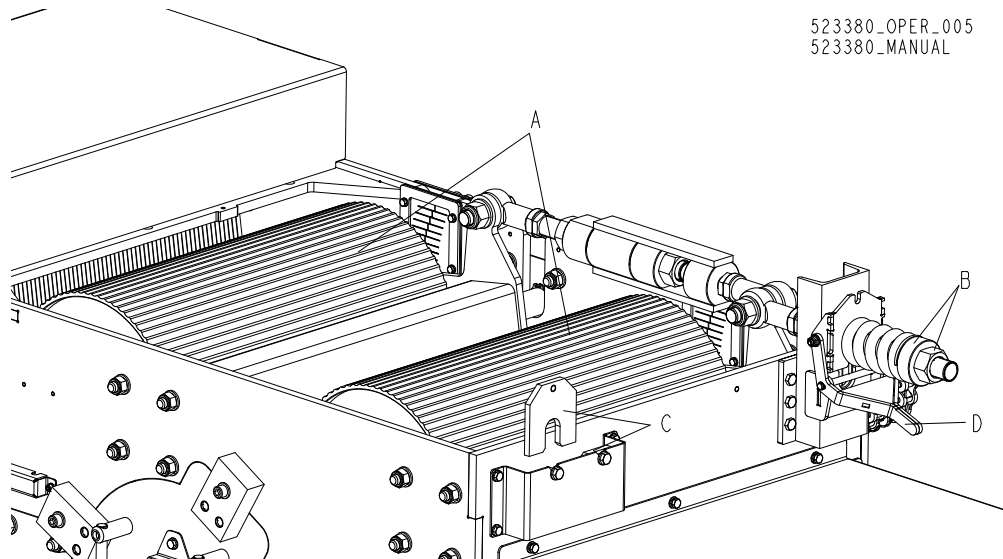


FIG. 3-38

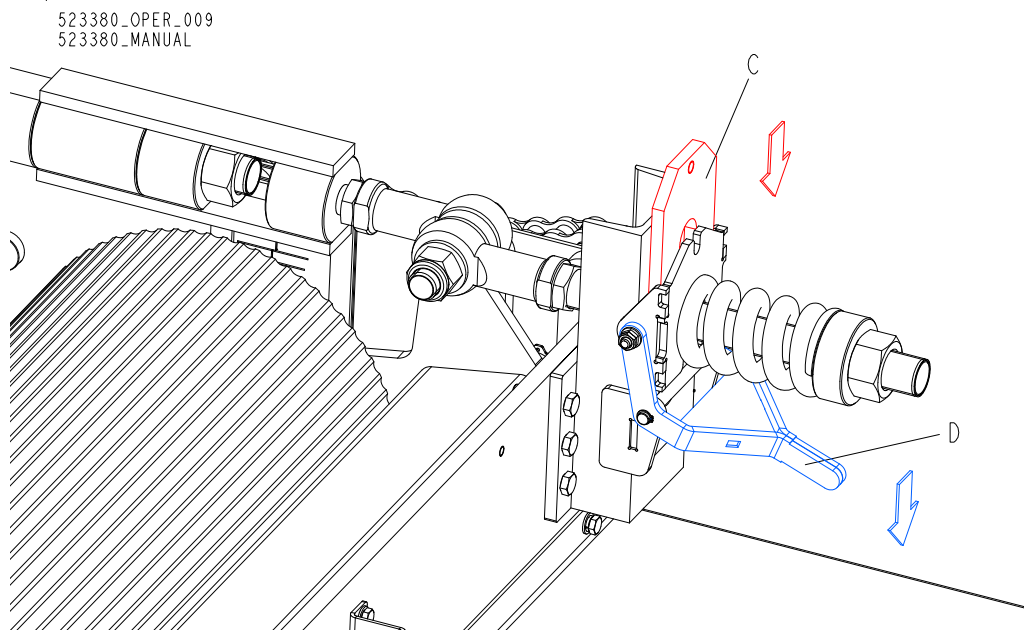
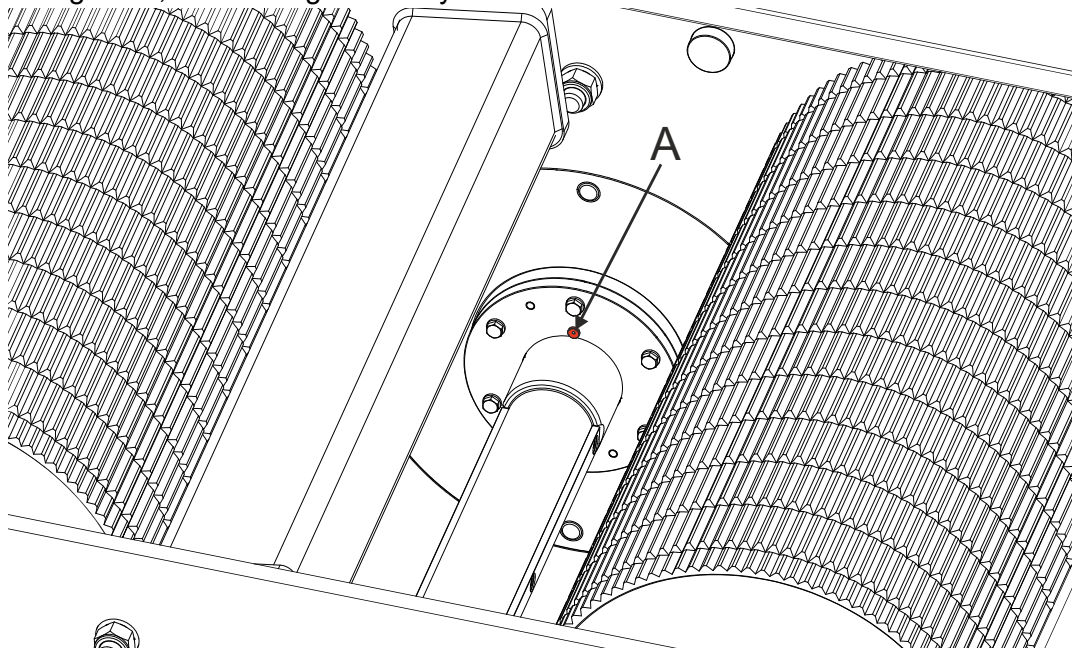


FIG. 3-39

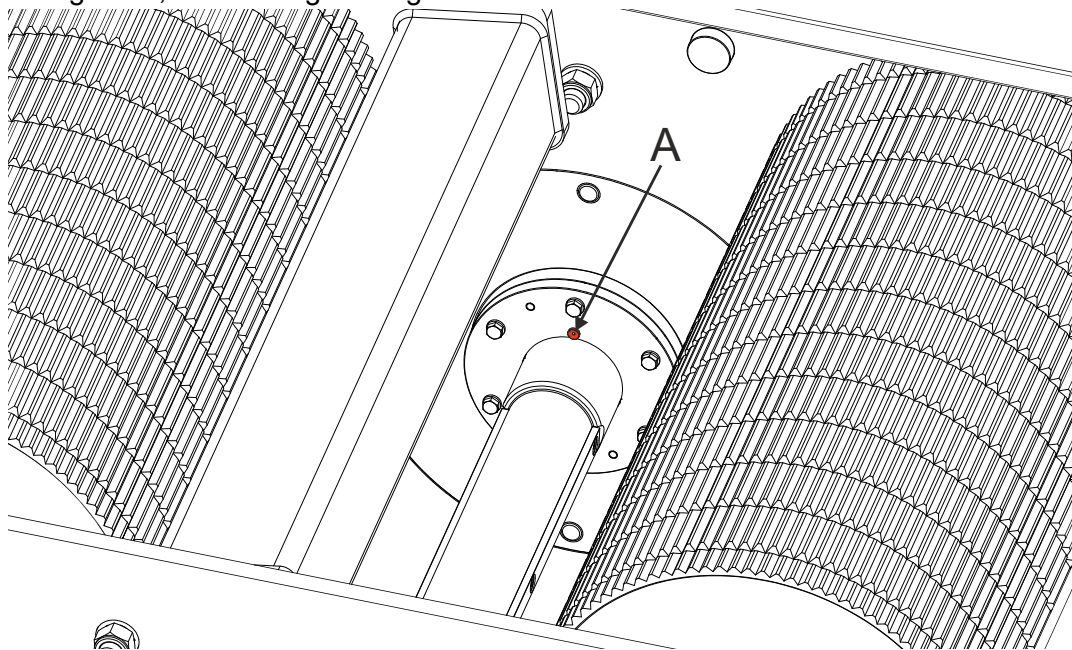
3.6 Lubrication and cleaning

- 8 1. Remove any debris from the blade drive shaft 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.
- 200 2. Lubricate the blade shaft bearings and the bearings of feed rollers every 200 hours of operation with a lithium grease such as Shell Alvania No. 3. Do not over-grease.

3. Lubricate the anti-kickback lever bearings every 200 hours of operation with a high-quality lithium-based grease such as Shell Alvania No. 3.
4. Check the press rollers every 4 hours of operation. Remove any dirt or debris from them. Make sure the rollers spin freely, without much play.
5. Every 300 hours of machine operation, using the grease fitting (A), lubricate with 15 grams of MOBIL SHC 100 grease, the bearing assembly of the main shaft.



6. Every 40 hours of machine operation, using the grease fitting (B), lubricate with 2 grams of MOBIL SHC 100 grease, the bearing sealing.



7. A complete grease change in the main shaft bearing assembly should be performed every 6,000 hours of machine operation. Contact the service department for instructions on how to perform the procedure.

3.7 Maintaining the anti-kickback fingers

This machine has the potential for kickbacks. Kickbacks 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 EG800 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.

Be sure the anti-kickback fingers are free from obstruction and are in their downward position. Failure to do so may result in serious injury.



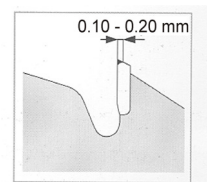
DANGER! Always ensure that there is a sharp point on the anti-kickback fingers before each use of the edger.



Check the anti-kickback fingers for wear every 200 hours of operation.

3.8 Blade Sharpening

The blade teeth should be sharpened as soon as their dullness, measured as shown in the figure on the right, is 0.10 -0.20 mm (0.0039 - 0.0078").

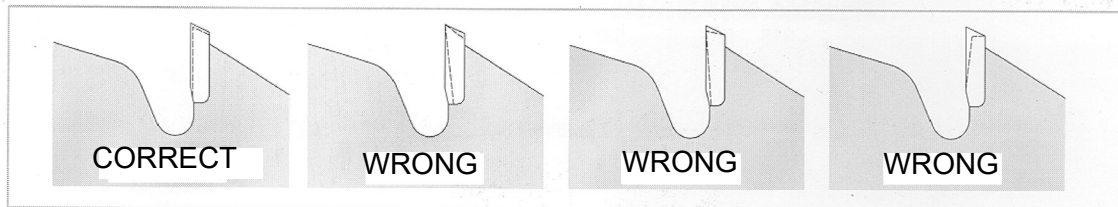
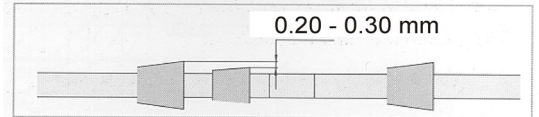


Use diamond grinding wheels for sharpening the blades. Apply intensive cooling during sharpening to prevent overheating and structural changes in the cemented carbide tips.

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.



3.9 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.

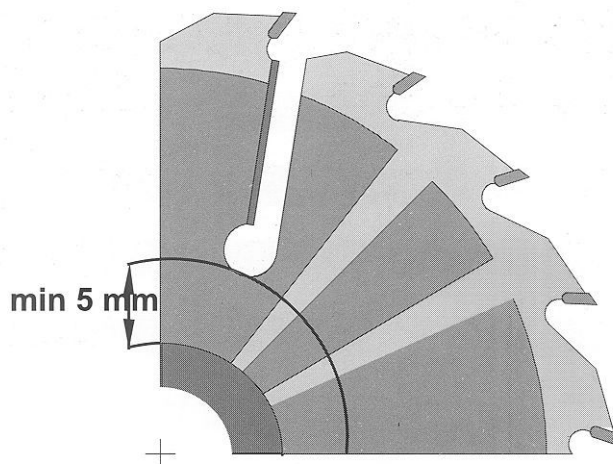
Do not set teeth with cemented carbide tips!

Do not make any modifications to the blade teeth!

Do not operate the machine if either 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 and can also increase the risk of material kickback.

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 on machines in good operating condition and equipped with suitable safety guards.

3.10 Safety Devices Inspection (Only CE Version¹)

EG800 Edger Safety Devices Inspection

Before beginning a shift, inspect the following safety devices of the EG800 edger:

- E-Stop button circuit inspection- control box
- E-Stop button circuit inspection - Electrical box
- E-Stop button circuit inspection - infeed and outfeed table
- Safety switch circuit inspection - cover
- Safety switch circuit inspection - anti-kickback fingers
- Optional anti-kickback fingers. Safety switch circuit inspection.
- Safety switch circuit inspection - blade shaft cover

1. E-Stop button circuit inspection- control box

- Start the main motor/engine.
- Press the emergency stop button located on the control box (A). The motor/engine should stop. It should not be possible to restart the motor/engine until the E-STOP button is released

1. Marking of products sold within European Economic Area

See Figure 3-40

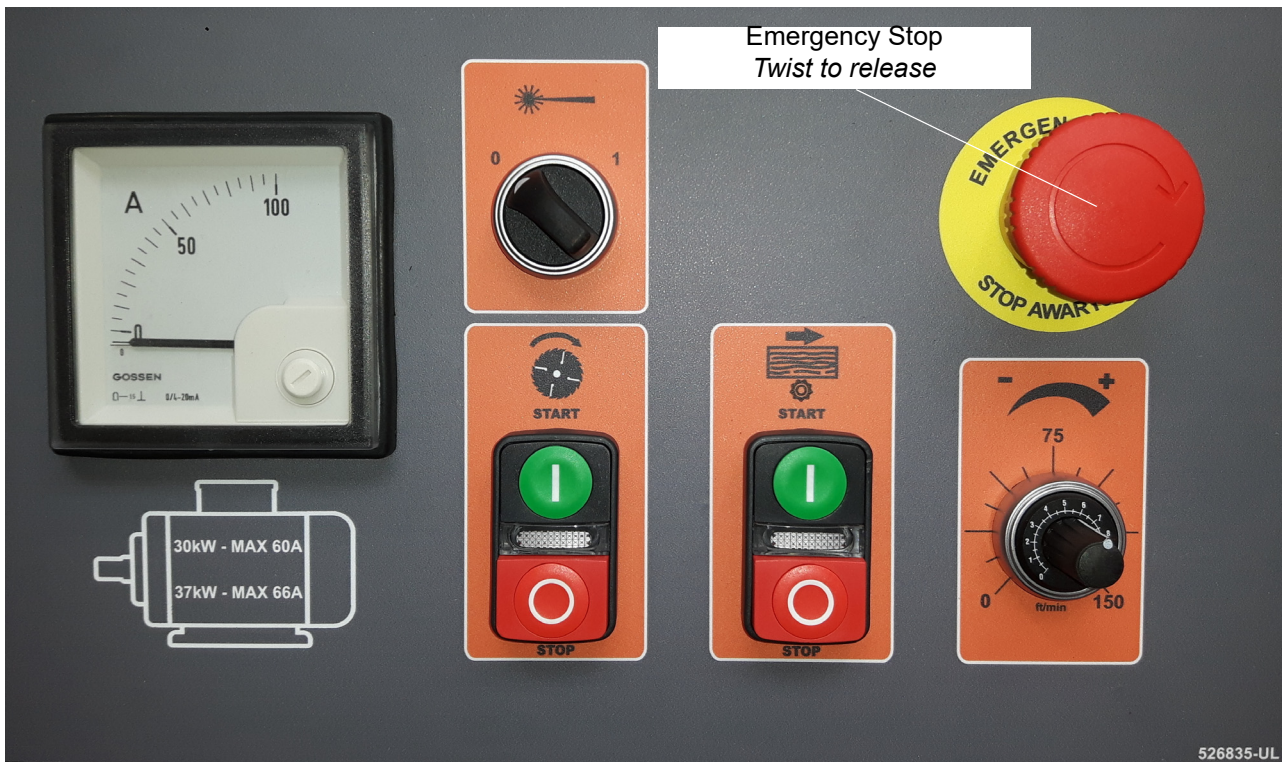


FIG. 3-40

2. E-Stop Button Circuit Inspection- Electrical Box

- Start the main motor/engine.
- Press the emergency stop button located on the electrical box (A). The motor/engine should stop. It should not be possible to restart the motor/engine until the E-STOP button is released

See Figure 3-41

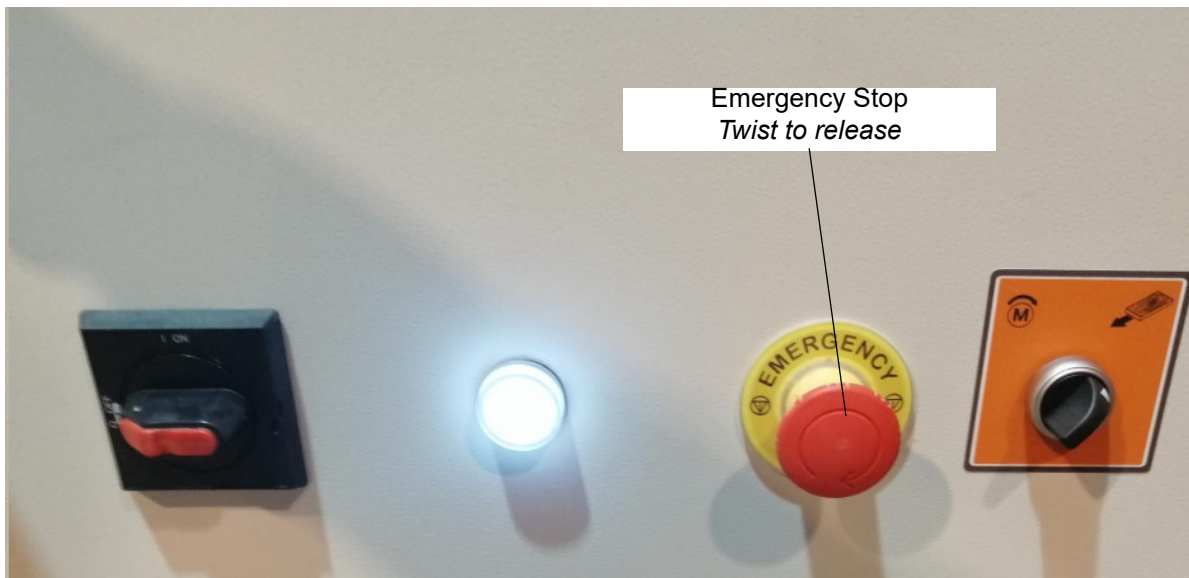


FIG. 3-41

3. E-Stop Button Circuit Inspection - Infeed and Outfeed Table

See Figure 3-42

- Start the main motor.
- Press the emergency stop button located on the infeed table (A). The motor should stop. It should not be possible to restart the motor until the E-STOP button is released.
- Press the emergency stop button located on the outfeed table (B). The motor should stop. It

should not be possible to restart the motor until the E-STOP button is released.

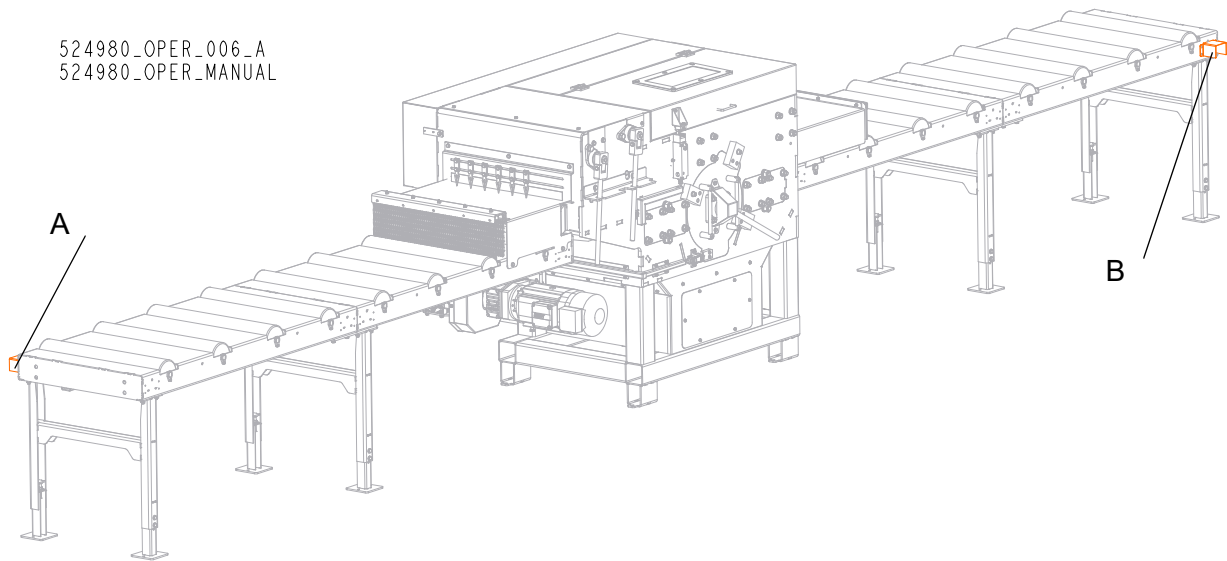


FIG. 3-42 EG800 EMERGENCY SWITCH LOCATION

4. Safety switch and solenoid interlock circuit - cover

See Figure 3-43

- Start the main motor.
- Try to open the cover (A).
- It should not be possible to open the cover.
- Turn off the main engine;
- Try to open the cover.

- It should not be possible to open the cover for 90 seconds from switching off the motor.

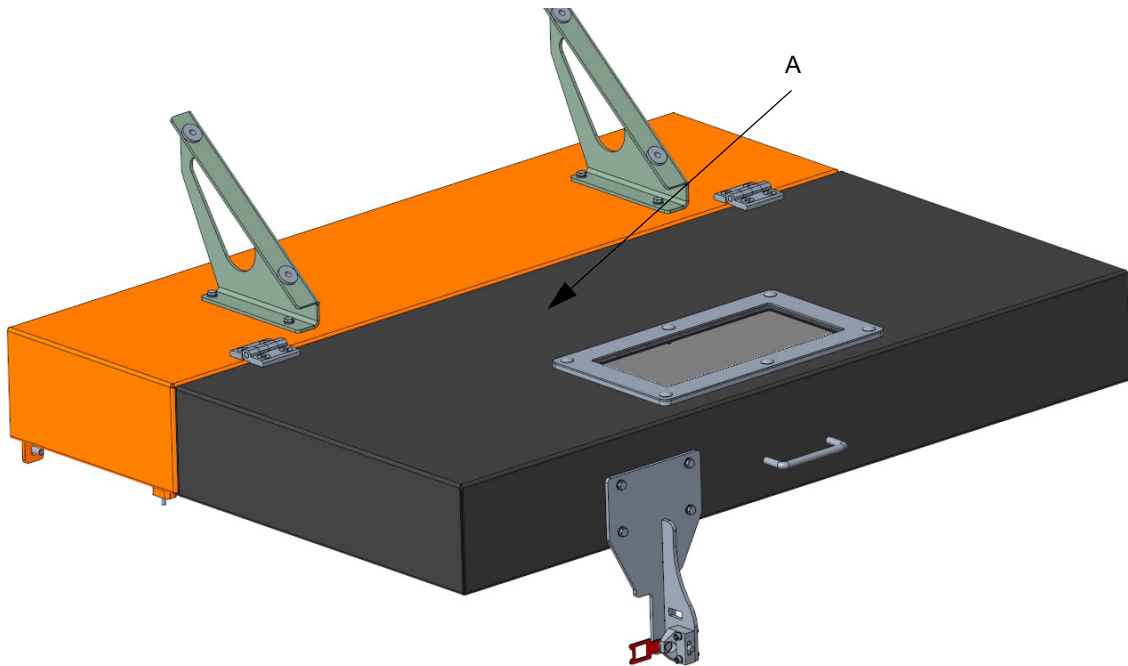


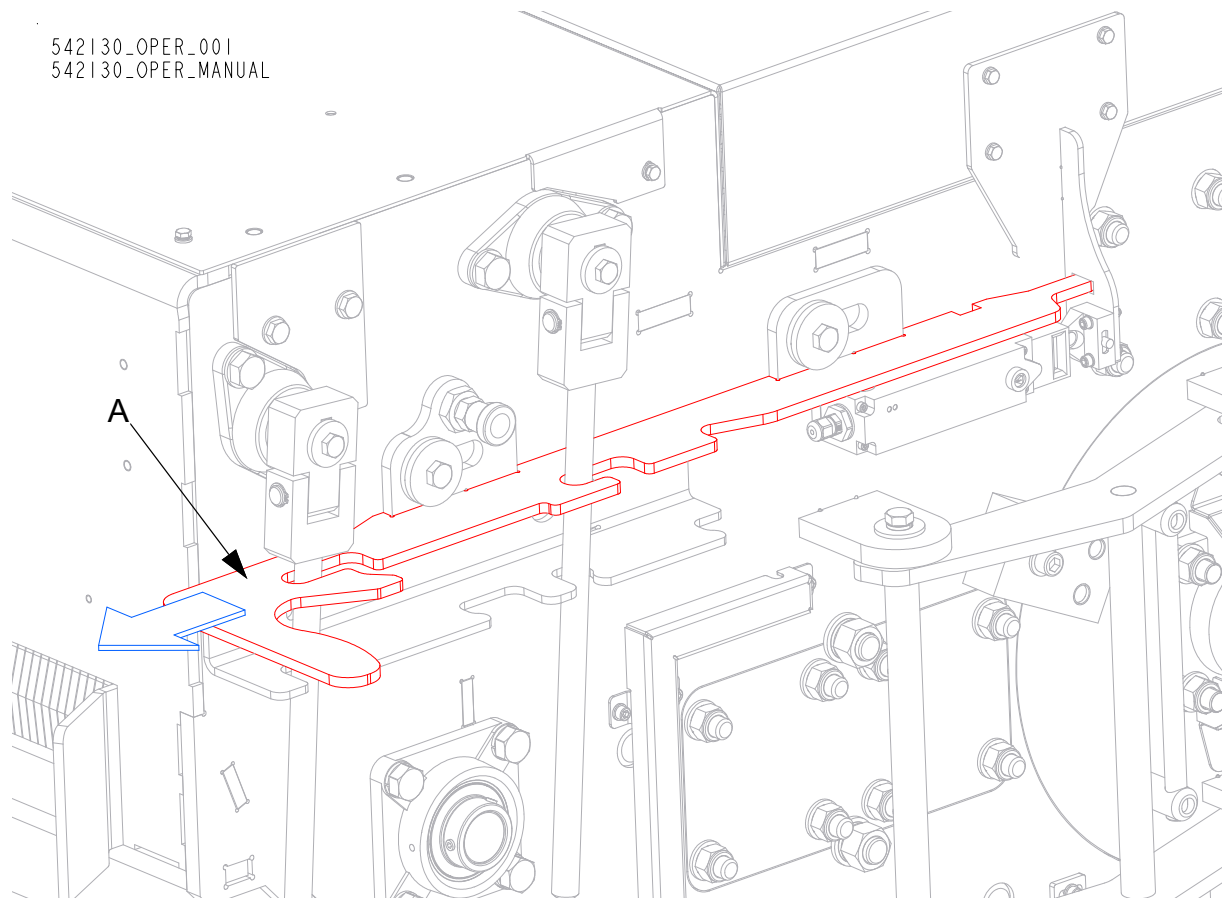
FIG. 3-43

5. Safety switch circuit inspection - anti-kickback fingers

See Figure 3-44

- Start the main motor.
- Pull the latch assembly (C).

- It cannot be possible to pull the latch assembly.

**FIG. 3-44**

6. Optional anti-kickback fingers module

See Figure 3-45

- Start the main motor.
- Pull out the locking pin (A)

- Use the anti-kickback lever (B) to move the anti-kickback fingers.

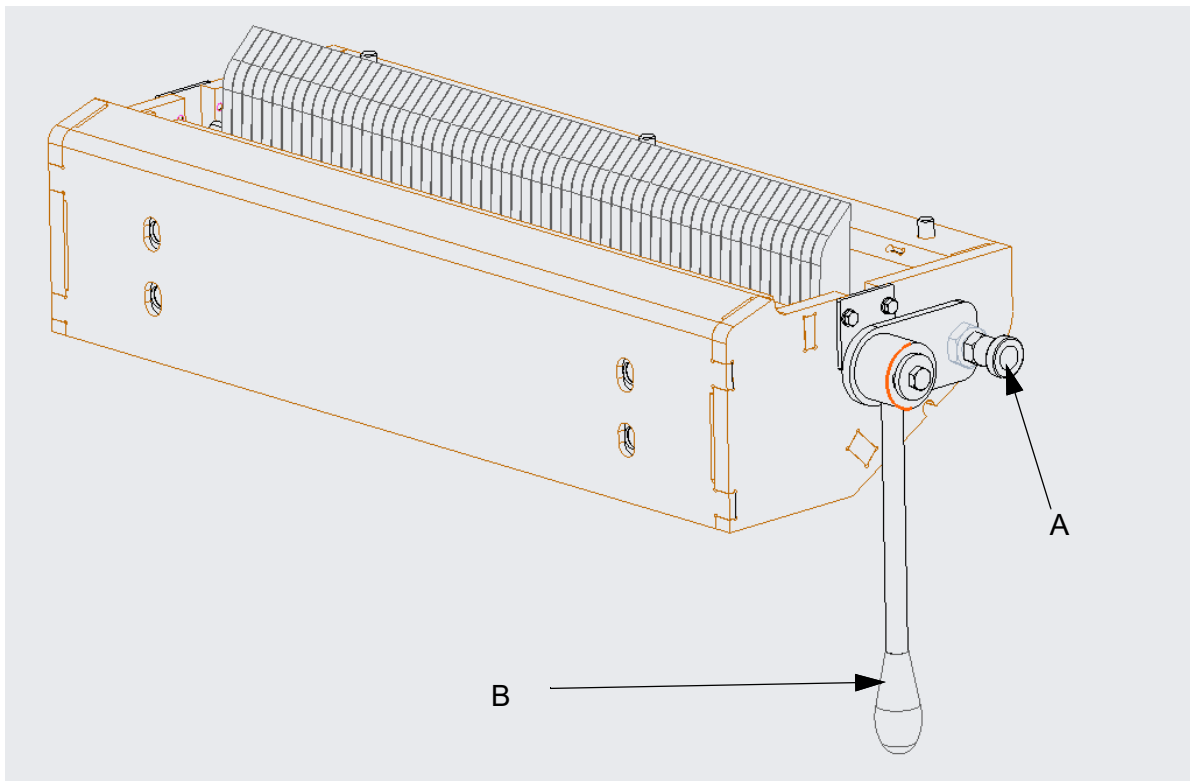


FIG. 3-45

- The engine should stop.
- Try to start the motor using the START button. It should not be possible to start the motor.
- Move back the anti-kickback fingers to their working position.

7. Engaging reverse gear. Safety circuit check.

See Figure 3-46



DANGER! Reverse gear should only engage after doing below steps

- Move the switch (A) from main (B) to reverse gear operation (C)

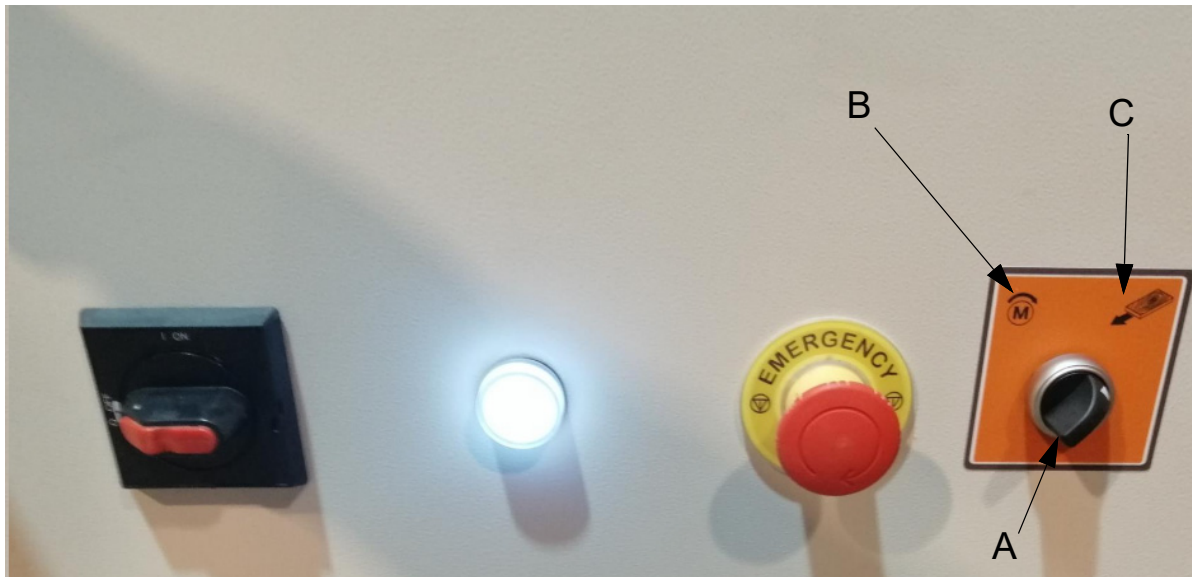


FIG. 3-46

See Figure 3-47

- If optional anti-kickback fingers module is mounted use the lever to move the anti-kickback

fingers

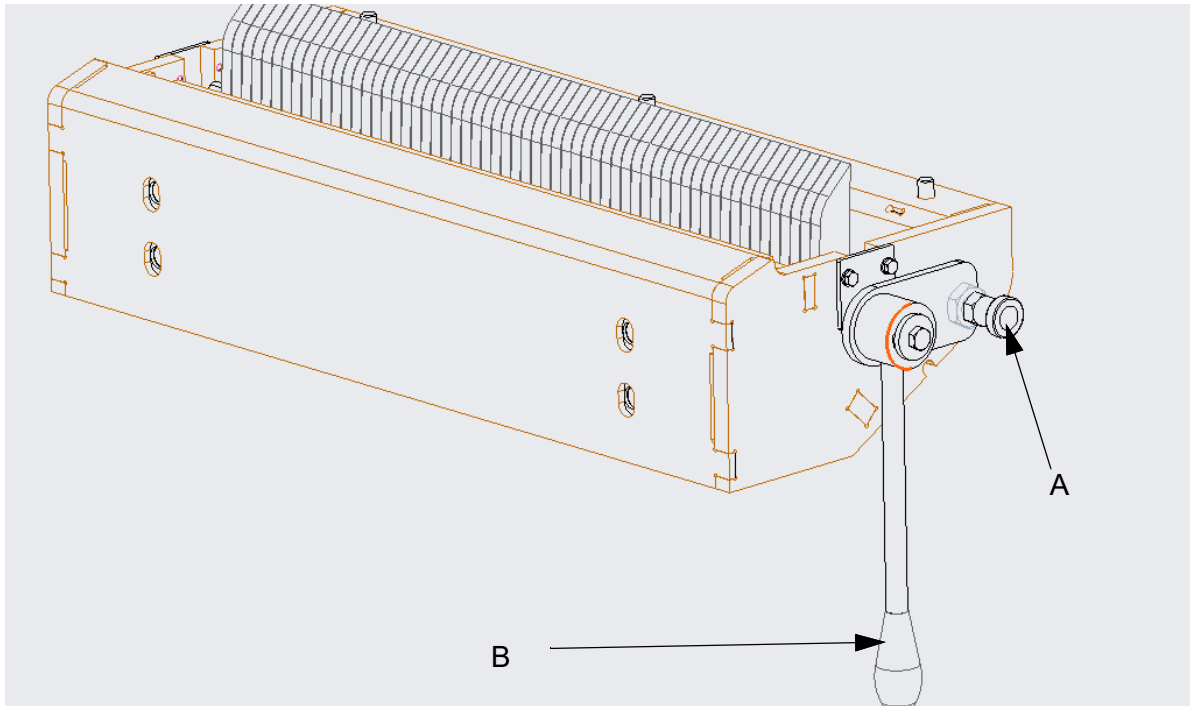
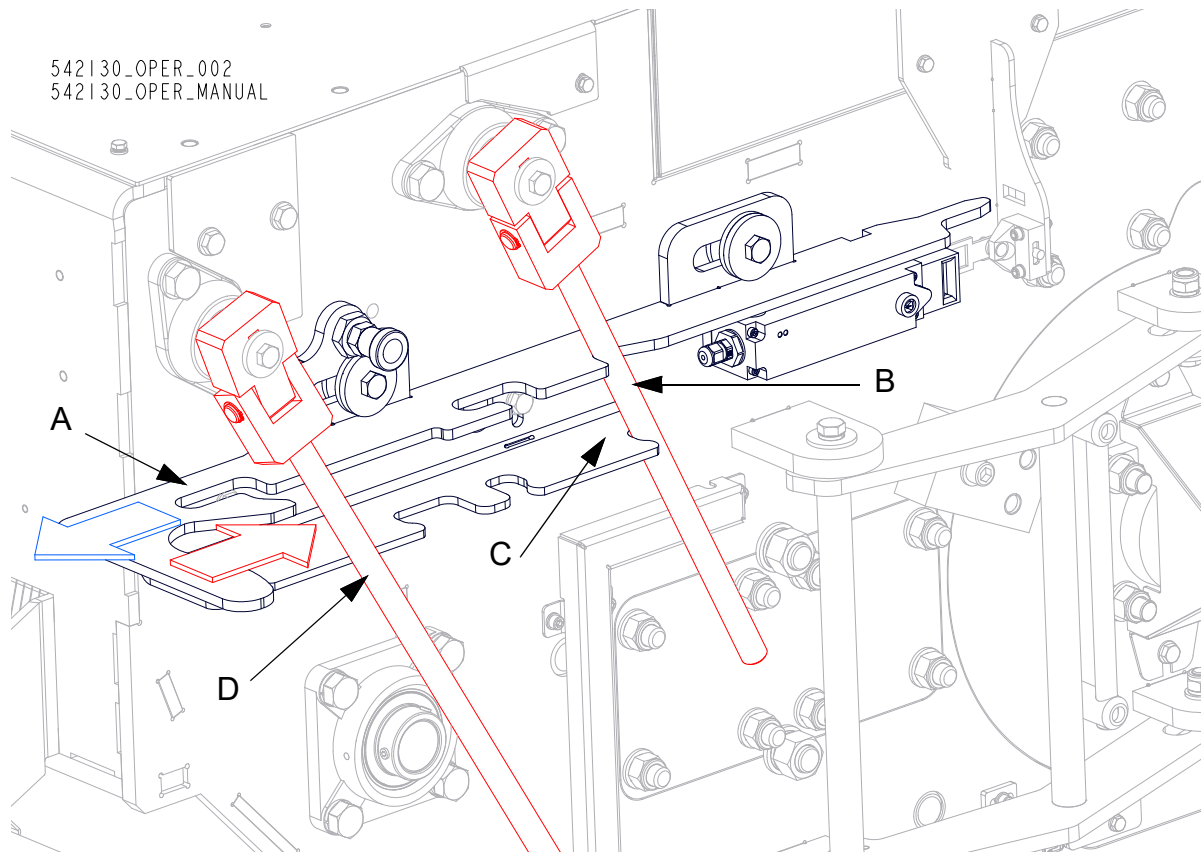


FIG. 3-47

See Figure 3-48

- Pull the latch assembly (A)
- Lock anti-kickback finger lever (B) in the notch located in the plate (C)
- Push and hold anti-kickback finger lever (D),

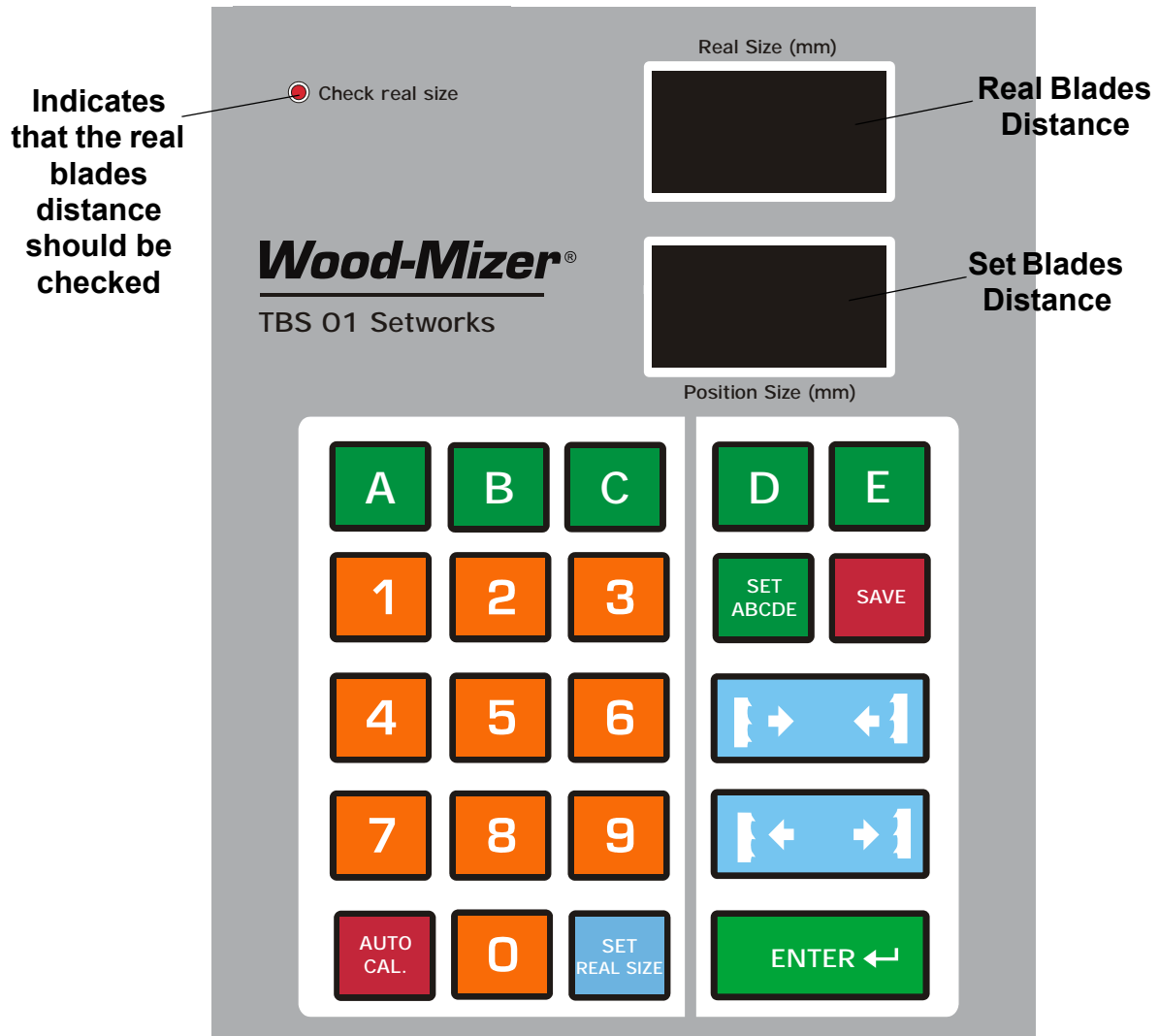
- the reverse gear should be engaged and the material can be removed.

**FIG. 3-48**

SECTION 4 NETWORKS OPERATION (EG300/800 CE ONLY)

4.1 Edger Controller Panel

See Pic. 4-1.



PIC. 4-1

4

NETWORKS OPERATION (EG300/800 CE Only)

Start-up settings of the controller

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 blades. Should be set when “Check real size” indicator lamp blinks.

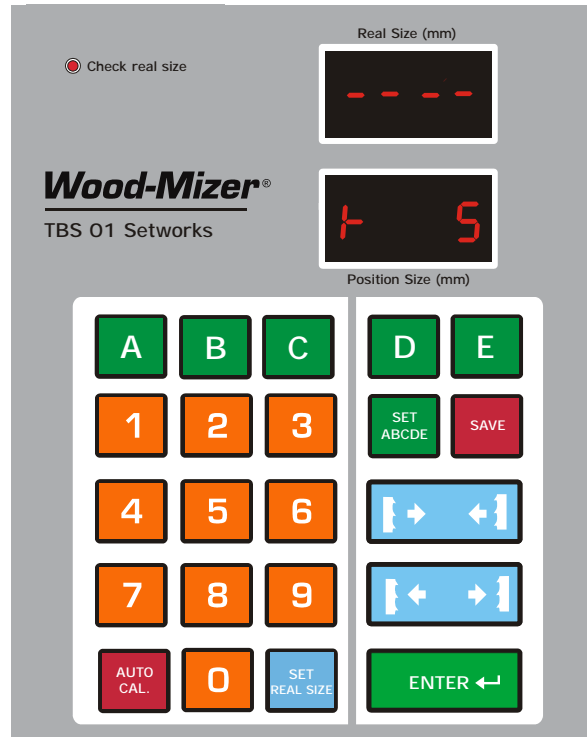
IMPORTANT! Do not use too much force or hard objects to press the buttons. The controller is not water resistant.

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**).

See Pic. 4-2.





PIC. 4-2

- Press  to save the entered divider value.

2. Auto-calibration

This function should be done once a week or 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;

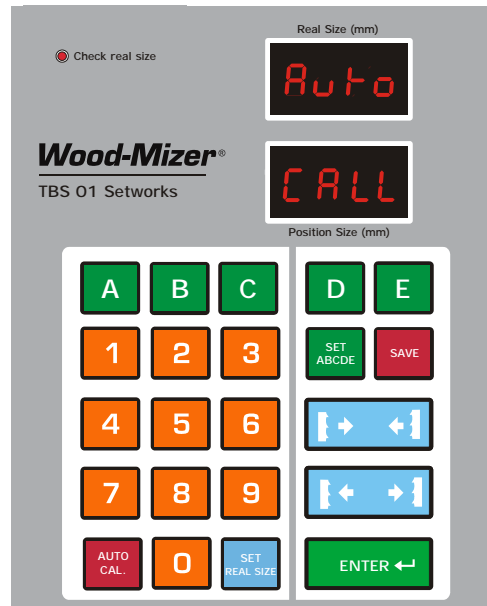
- Switch on the edger by turning the main switch to ON position. and wait until the text “TBS-01” disappears.
- Using  buttons set the blades to 180 mm (7.07”) width.
- Press and hold down . After a while - the text “Aut” will appear on the displays. The controller is ready for auto-calibration.

4



NETWORKS OPERATION (EG300/800 CE Only)

Start-up settings of the controller

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 .

3. 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:


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


on the scale.

- 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 network 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 .

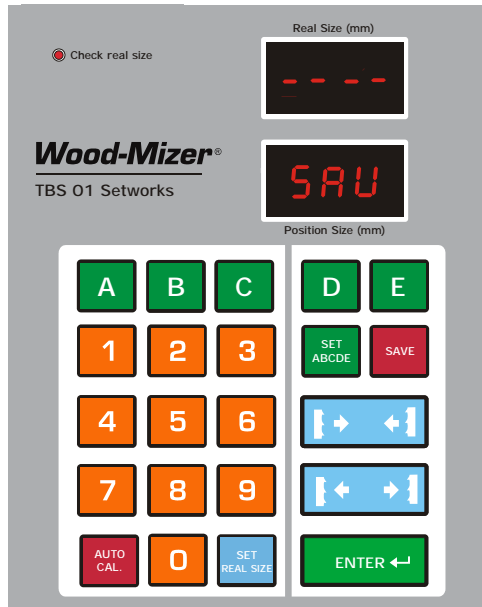
You can store up to 5 blades width values using the memory buttons.

- 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.


4 NETWORKS OPERATION (EG300/800 CE Only)



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

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 .

4.4 Networks Malfunction

PROBLEM	CAUSE	SOLUTION
<p>Networks does not work.</p> <p>When performing a program, the controller disengages the drive mechanism and the display shows:</p>  <p><small>Saw position (mm)</small> 000 <small>Board Thickness (mm)</small> ErP</p>	<p>Magnet sensor improperly adjusted</p>	<p>Align the magnet sensor as shown in figures 4-5 and 4-6. Calibrate the controller. See Page 4-3.</p>
<p>When performing the auto-calibration, the controller disengages the drive mechanism and the display shows:</p>  <p><small>Saw position (mm)</small> Auto <small>Board Thickness (mm)</small> ErP</p>		<p>Enter the real distance between the blades. “Entering Real Blade Height Dimensions” on page 5</p>
<p>Networks calculates dimensions incorrectly.</p>	<p>Improper input parameters</p>	<p>Check the input divider. (“Setting the input divider (entered only once, at the first start-up)” on page 2 and “Real blades width entering.” on page 4).</p> <ul style="list-style-type: none"> - Perform the auto-calibration procedure. “Auto-calibration” on page 3.
<p>Blades do not stop at the required width, but continues its movement until limit switch is activated.</p>	<p>Controller not calibrated</p>	<p>Check the input divider. Perform the auto-calibration procedure.</p>
<p>Networks stops.</p>	<p>Blades width sensor signal is bad.</p>	<ul style="list-style-type: none"> - Check the connections between the blades width sensor and the controller. - Check if the sensor or the magnetic strip is not loose. - Check if the connections to the blades setting system contactors are correct and not loose.
<p>During manual blades movement, the upper display shows a negative value.</p>	<p>Networks not calibrated</p>	<p>Perform the auto-calibration procedure.</p>

4 NETWORKS OPERATION (EG300/800 CE Only)

Setworks Malfunction

When pressing  during normal operation or when attempting to save the program (using  button), the upper display shows horizontal dashes.

The blades width limit would be exceeded if the requested blades movement was performed.

Try to enter different blades width value.

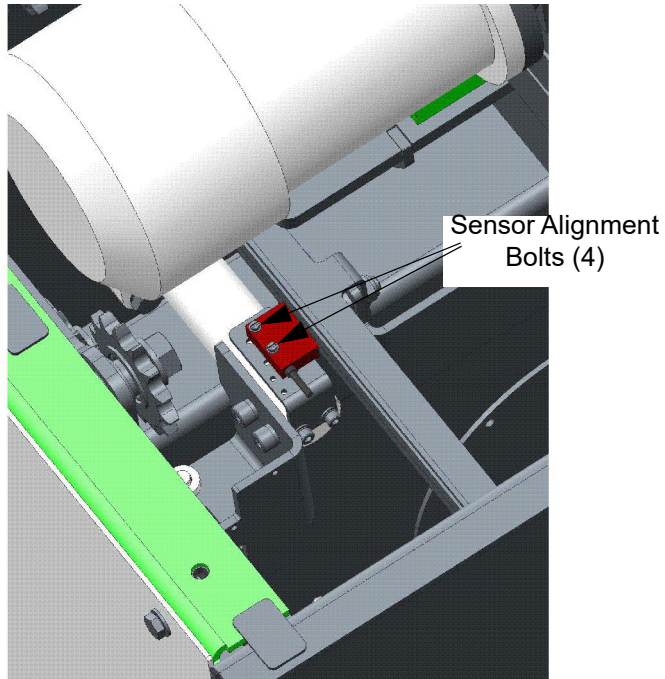


FIG. 4-5

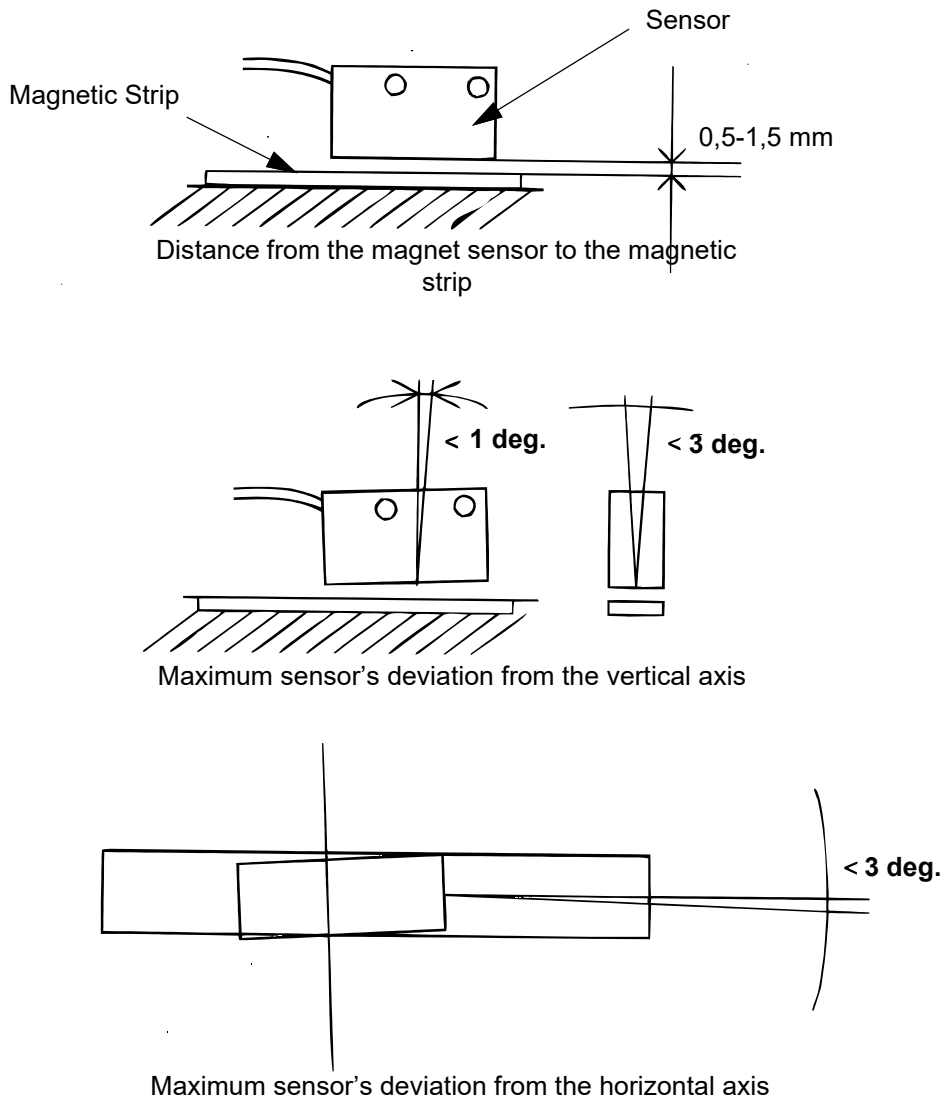


FIG. 4-6

SECTION 5 OPERATION

5.1 Waste transporter installation

See Figure 5-1

1. Unbolt fasteners (B) to remove covers (B)

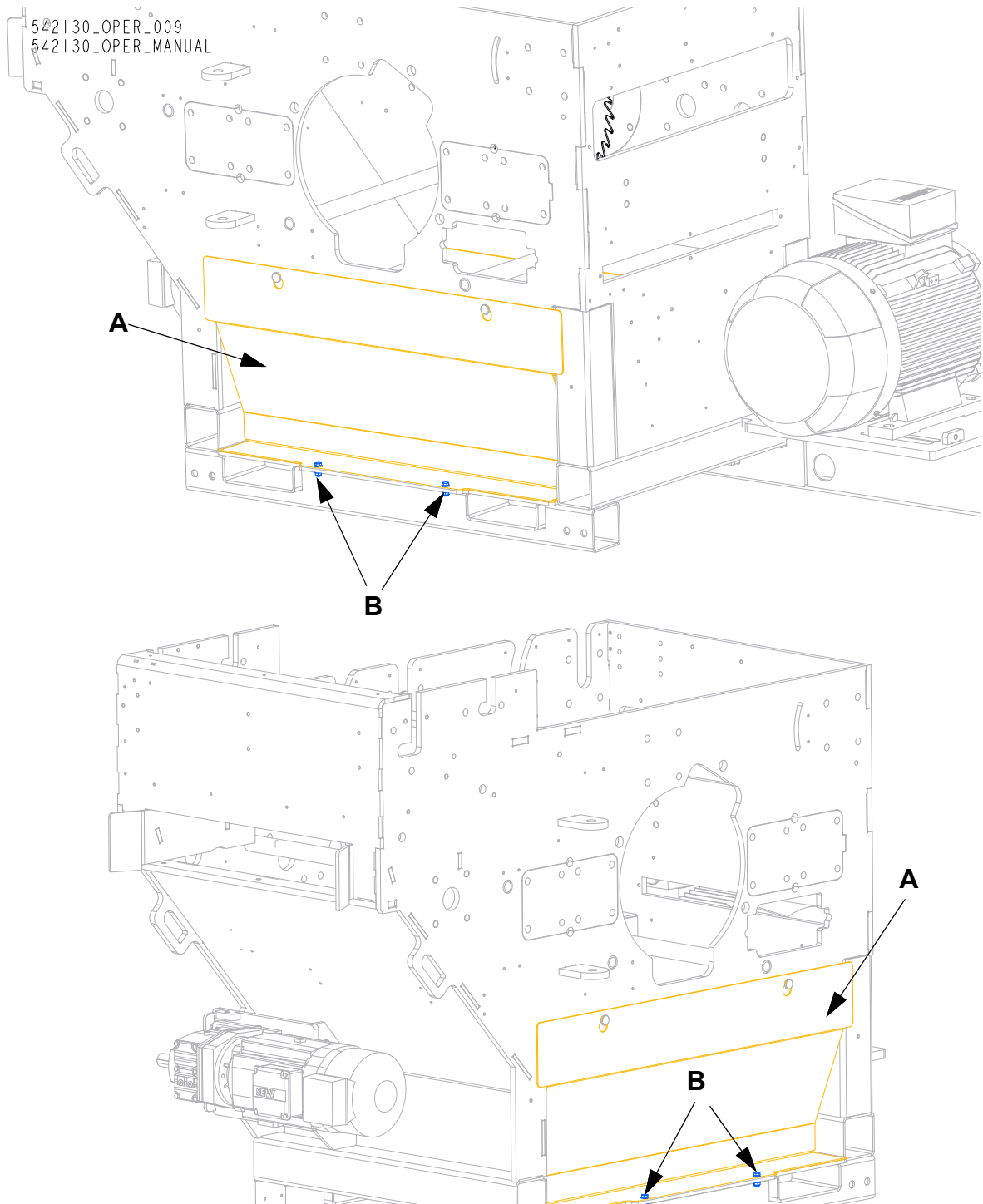


FIG. 5-1

See Figure 5-2

2. Mount transporter to the bottom of the chassis using locking pins (A) and use fasteners (B) to bolt-on transporter.

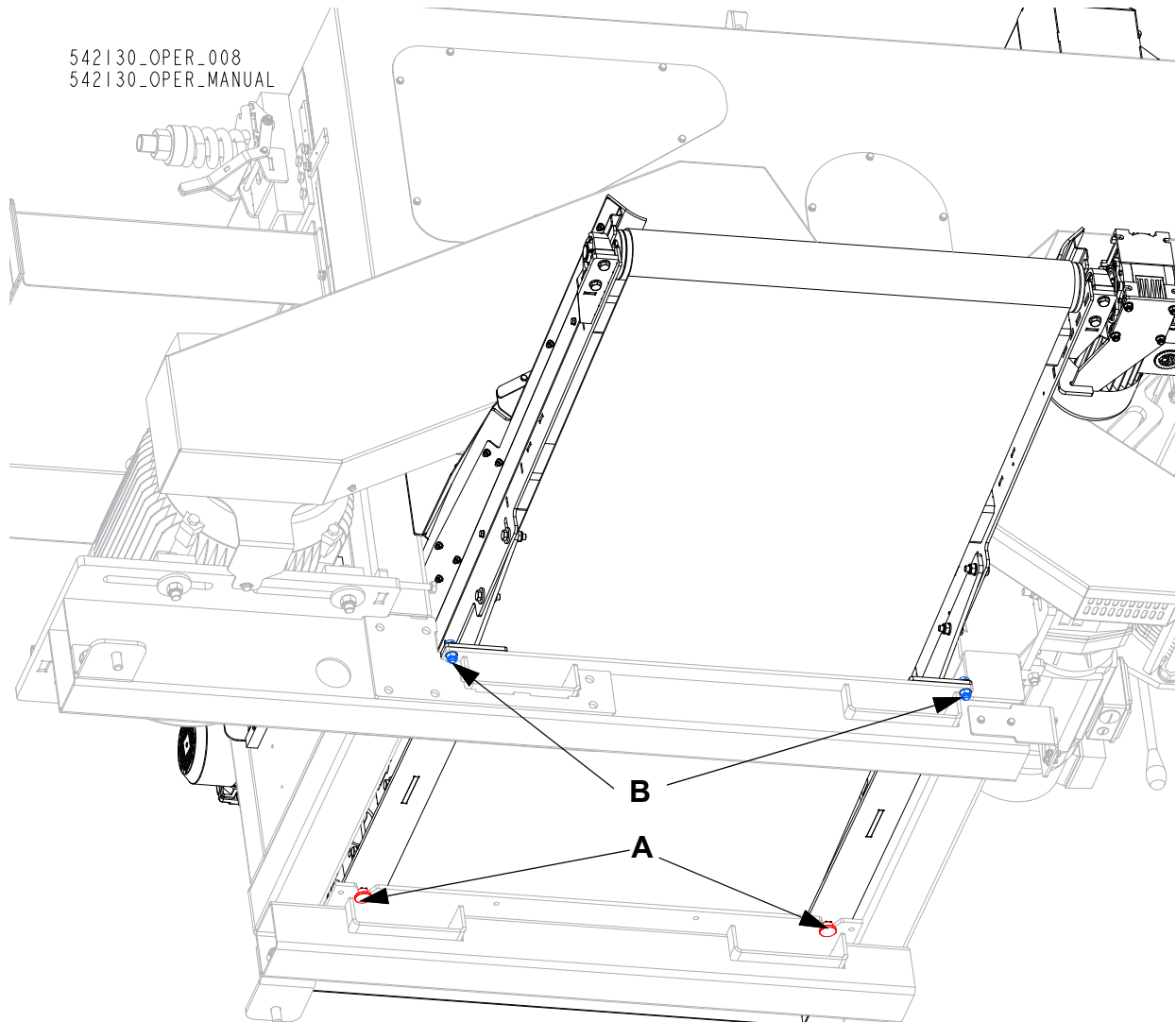


FIG. 5-2

5.2 Pre-Operation Check

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

1. Make sure the Edger is level. Secure the edger to the ground. A concrete foundation and 12 mm anchored bolts are recommended.



CAUTION! Make sure the edger is level before operation. Failure to do so will affect machine operation and wear life.

2. Make sure the tables are level with the rest of the Edger.

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



WARNING! In case of a drive belt break, wait until all rotating parts are completely stop. Failure to do so may result in serious injury or death.

See Figure 5-3



WARNING! Make sure anti-kickback levers (A) and locking pins (B) are in working position. Failure to do so may result in serious injury.

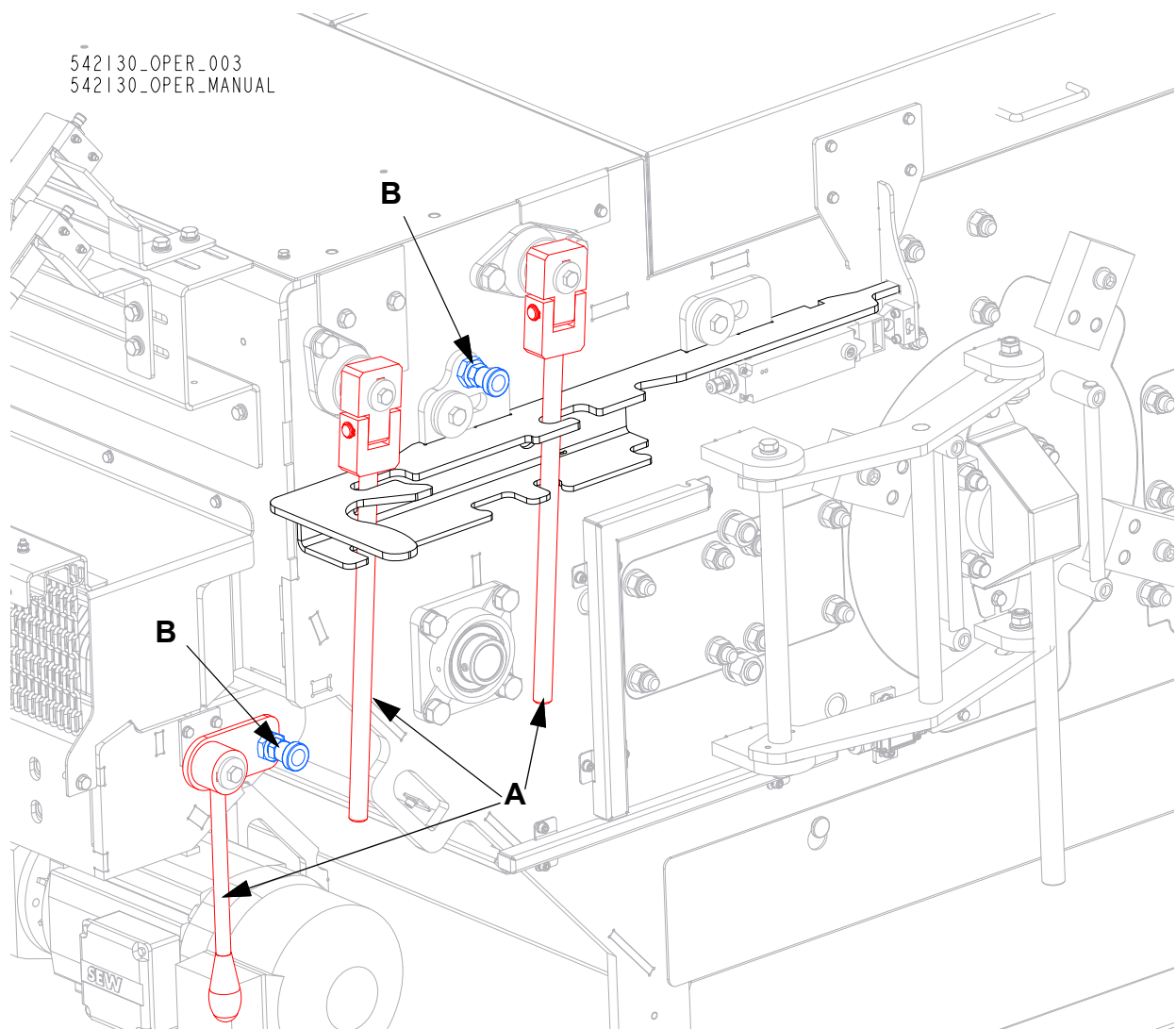




FIG. 5-3


3. 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 transporting the Edger. Failure to do so may result in serious injury.

4. Also be aware that the blades are spinning whenever the motor is ON. 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!** 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 guard or cover removed.

WARNING! Always turn 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 on the infeed table, outfeed table, main chassis, on the control panel and electric box panel.

See Figure 5-4

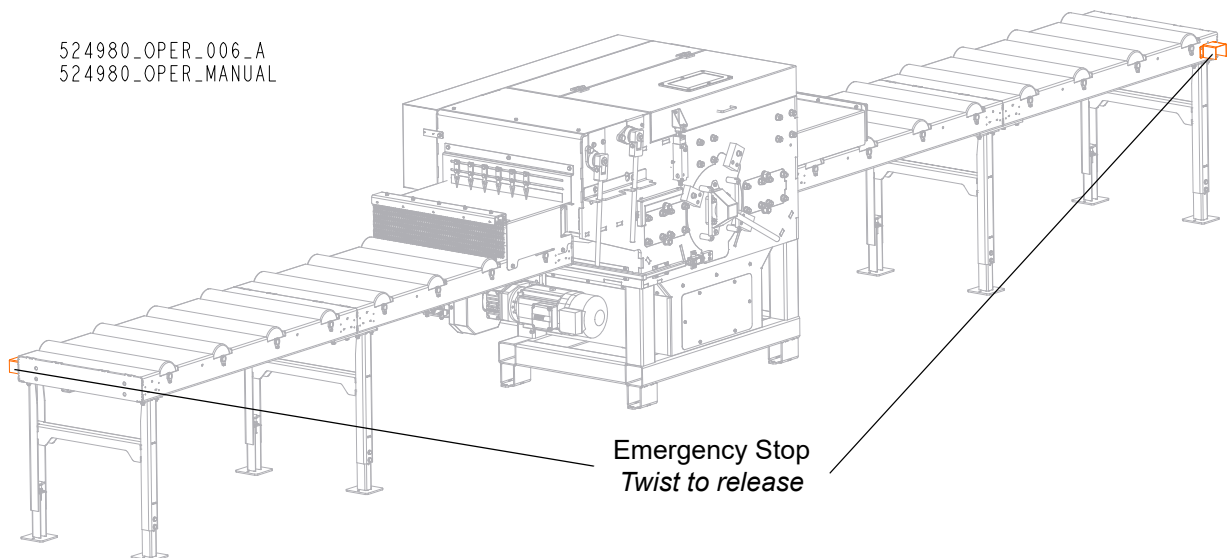


FIG. 5-4

5 Operation

Pre-Operation Check

See Figure 5-5

542130_OPER_005
542130_OPER_MANUAL

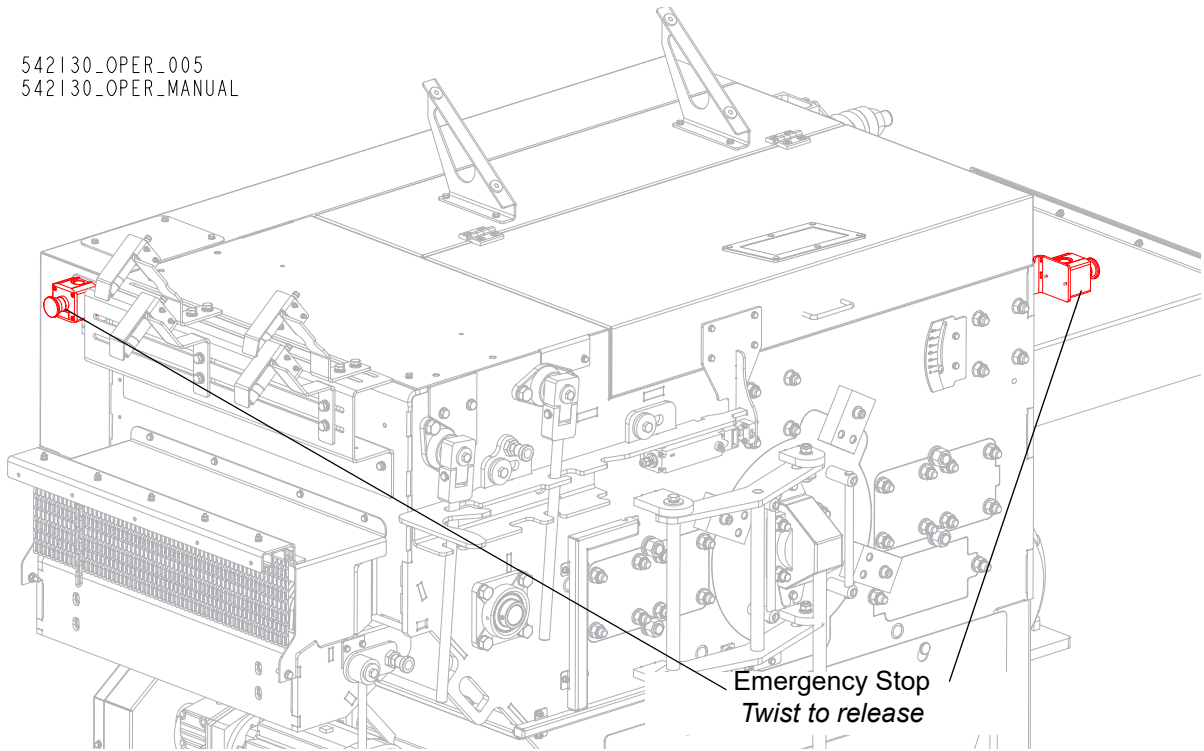


FIG. 5-5

See Figure 5-6



FIG. 5-6 STANDARD CONTROL PANEL

See Figure 5-7

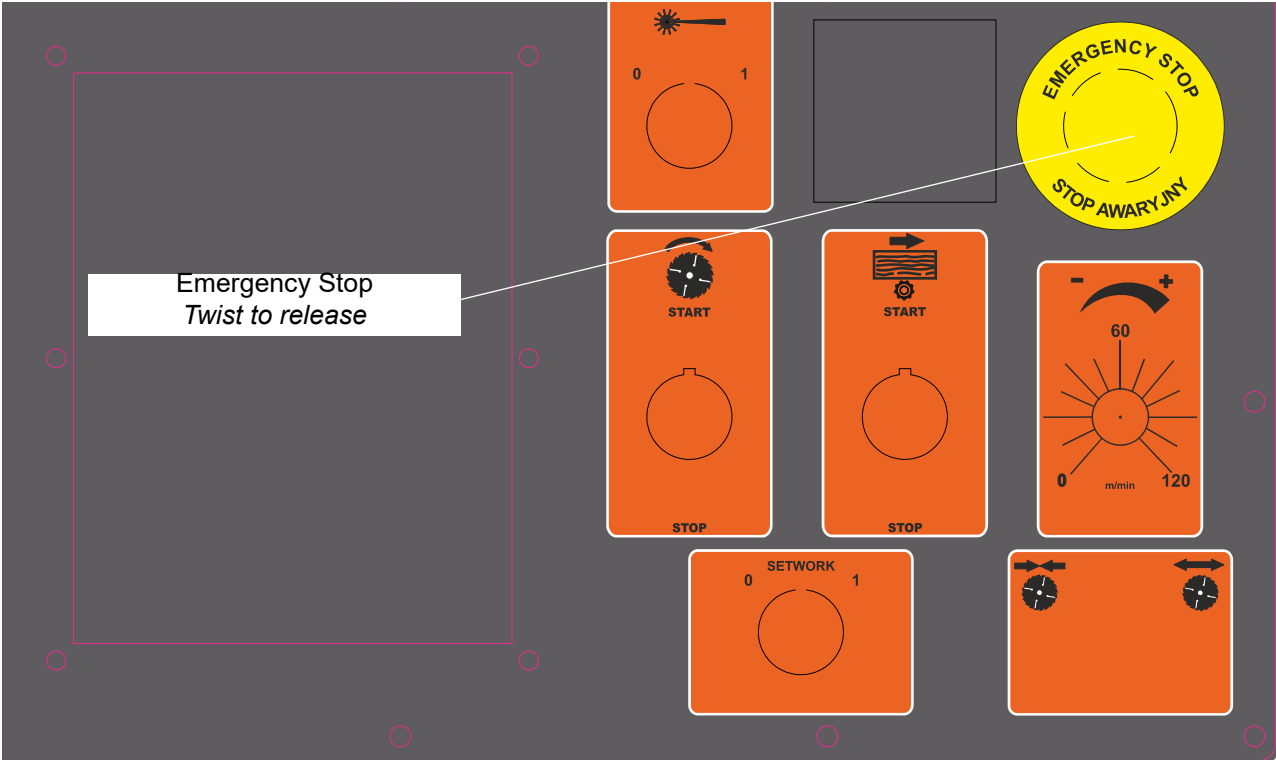


FIG. 5-7 MOVABLE BLADE OPTION CONTROL PANEL

See Figure 5-8

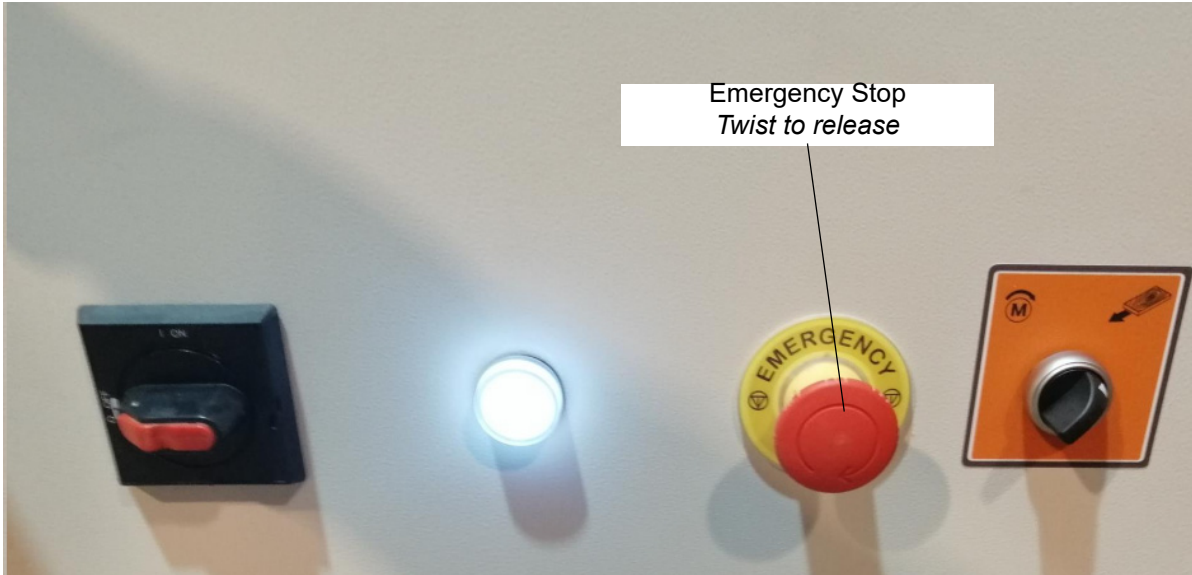


FIG. 5-8

5.3 Control Overview

EG800 Electric Box Panel

See **Figure 5-9** The electric box control panel includes: main switch (A), emergency stop button (B), reverse gear switch (C) .

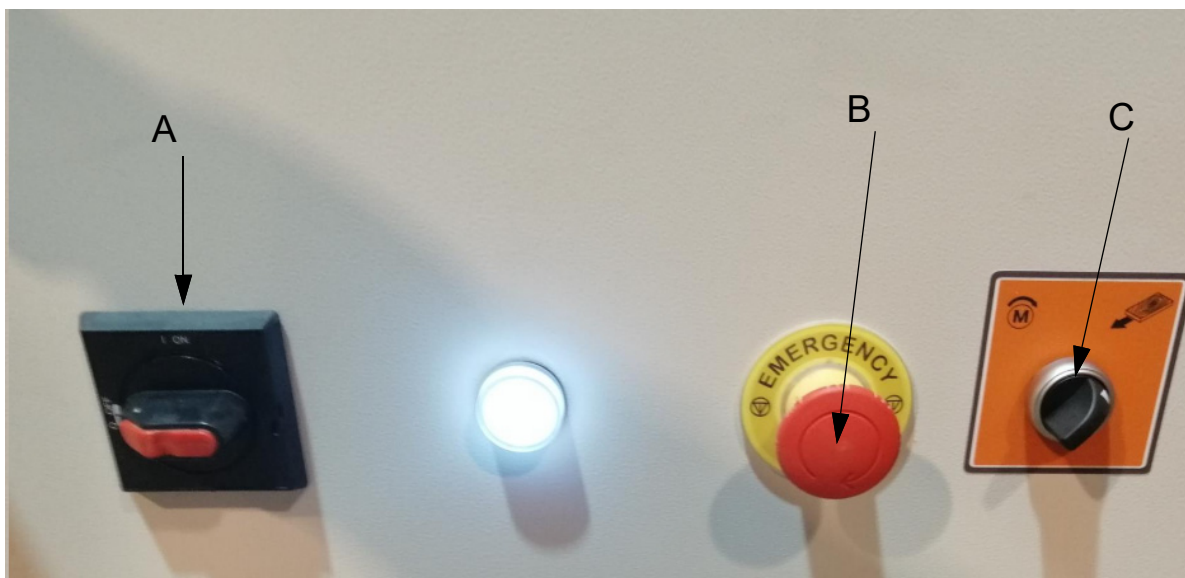


FIG. 5-9

1. Main Power

To turn the edger power on turn the main switch to the ON position. To turn the edger power off, turn the main switch to the OFF position.

2. 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.

3. Reverse gear Switch

To engage move the switch (A) from Main (B) to Reverse Gear Operation (C). To see full procedure [See Section 5.6 Reverse Gear Operation](#)

See Figure 5-10



FIG. 5-10

EG800 Control Panel

See Figure 5-11 The control panel includes: blade motor start-stop switch (A), power feed switch (B), feed rate knob (C), laser switch (D) and emergency stop button (E)

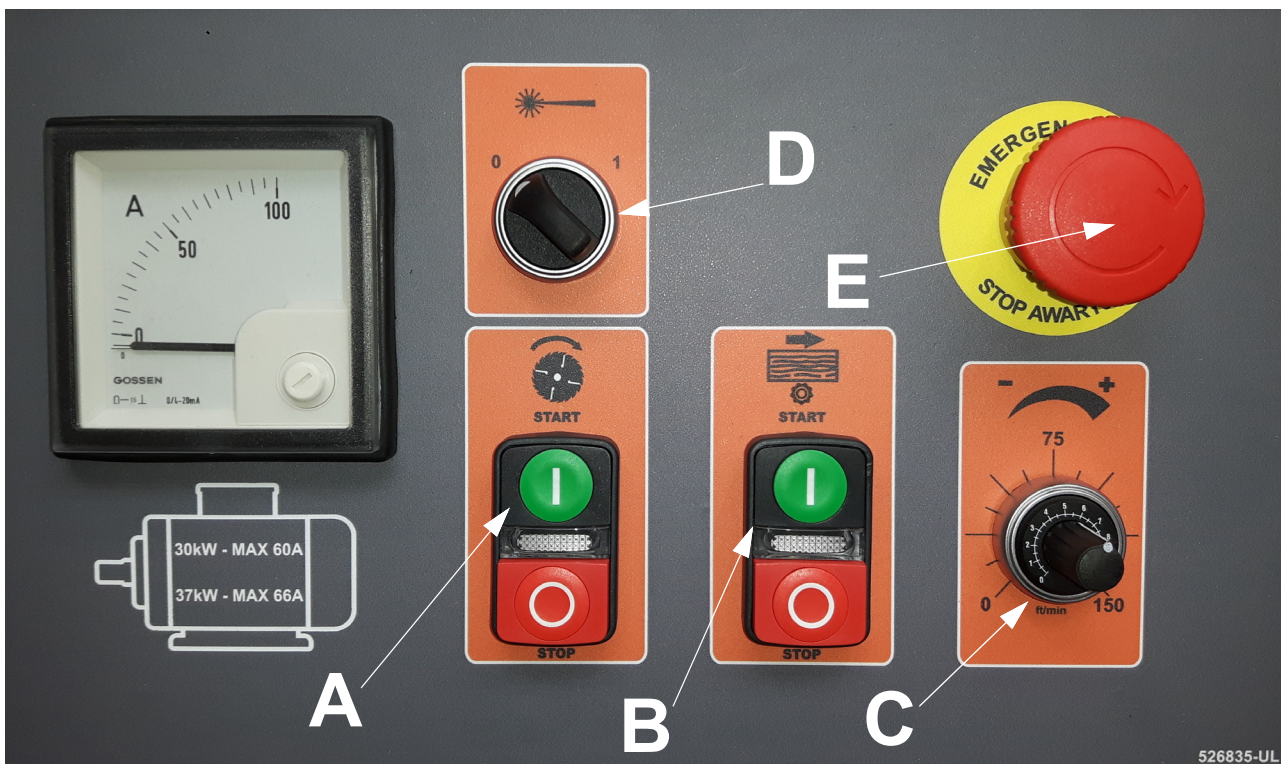


FIG. 5-11 SWITCHES ON THE CONTROL PANEL

1. Blade Drive

To turn the edger power on turn the main switch to the ON position. To turn the edger power off, turn the main switch to the OFF position.

2. Blade motor start-stop switch

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

3. Power feed switch

To start the power feed motor, press the START button. To stop the power feed motor, press the STOP button.

4. 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.

5. 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.

EG800 “Movable Blade Option” Control Panel

See Figure 5-12 The control panel includes: blade motor start-stop switch (A), power feed switch (B), feed rate knob (C), Laser switch (D), emergency stop button (E), setwork switch (F), manual

blade movement switch (G)

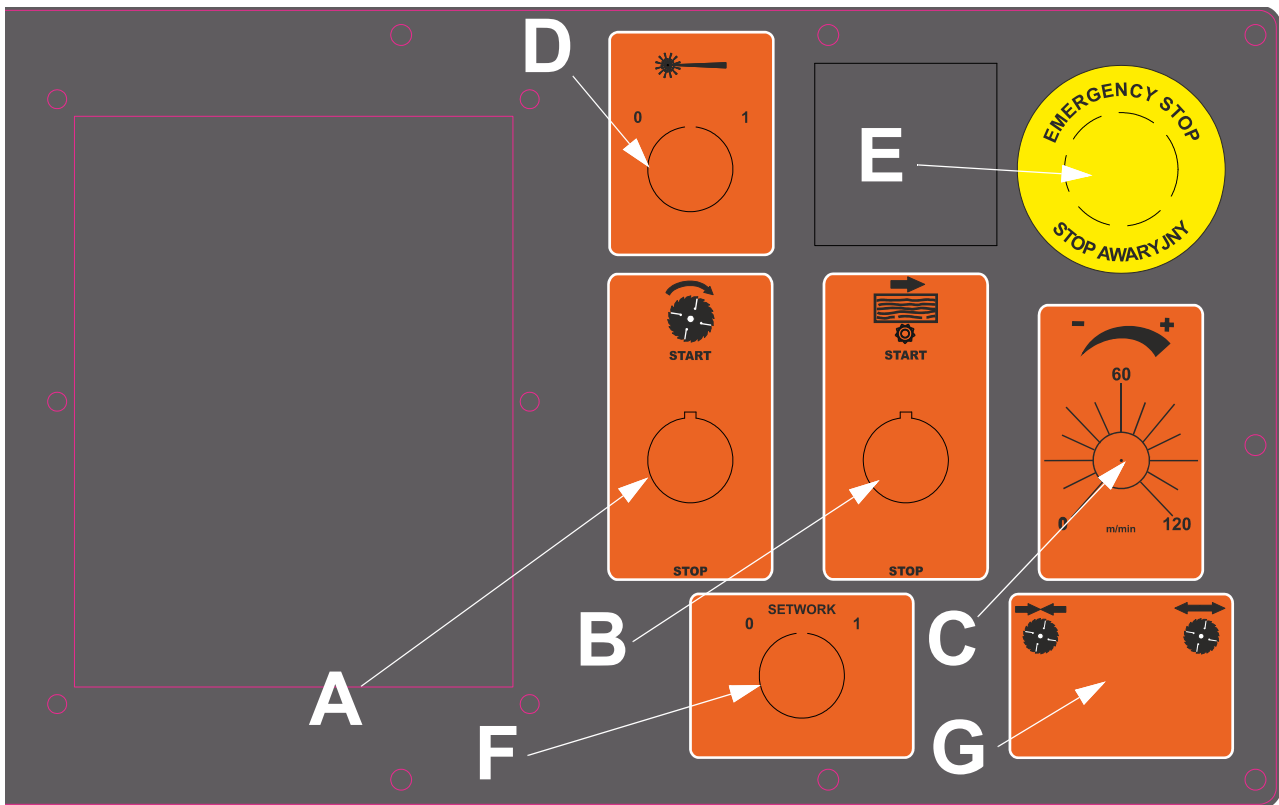


FIG. 5-12 SWITCHES ON THE CONTROL PANEL

1. Blade Drive

To turn the edger power on turn the main switch to the ON position. To turn the edger power off, turn the main switch to the OFF position.

2. Blade motor start-stop switch

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

3. Power feed switch

To start the power feed motor, press the START button. To stop the power feed motor, press the STOP button.

4. 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.

5. 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.

6. Network switch

Allow to set blade position automatically

7. Manual blade movement switch

Allow to set blade position manually (Network switch must be in "0" - OFF position.)

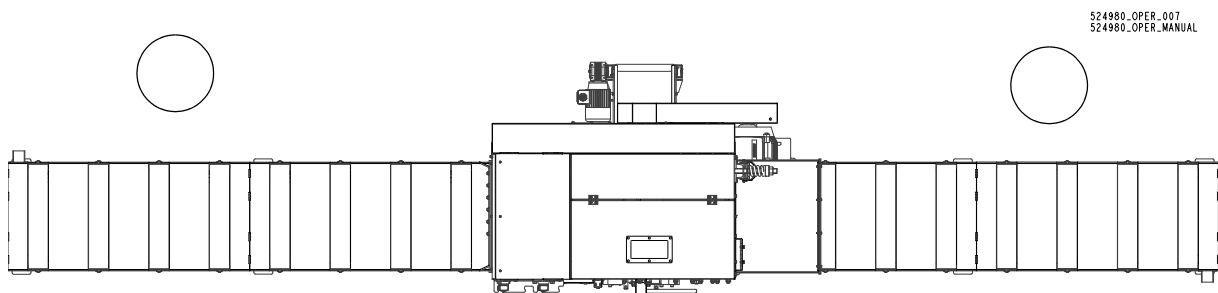
5.4 Edger Setup



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

- Set up the Edger on firm, level ground.
- Under roof, the Edger should always be operated with the sawdust collection 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 edger can be operated in temperature range from -15° C to 40° C only.
- Illuminance at operator's position must be 300lx.¹
- The Edger's operator positions (two operators) is shown below.

See Figure 5-13



524980_OPER_007
524980_OPER_MANUAL

FIG. 5-13

See Table. 5-1. 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	Recommended Wire Size
400 VAC	C100	4 x16mm ² , up to 15 m long

TABLE. 5-1

¹ The light source can not cause stroboscopic effect. (PN-EN 12464-1:2012)

! **IMPORTANT!** It is required that a 30mA Ground Fault Interrupter (GFI) be used.

! **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 in the power socket (electric box). Setting the phases in the phase inverter correctly will ensure correct rotation directions of all sawmill motors.

See Figure 5-14

- The Edger can be lifted using the forklift only. The forklift must be rated for at least 3000 kg (4409lb.). Insert the forks into the pockets shown on the picture below.

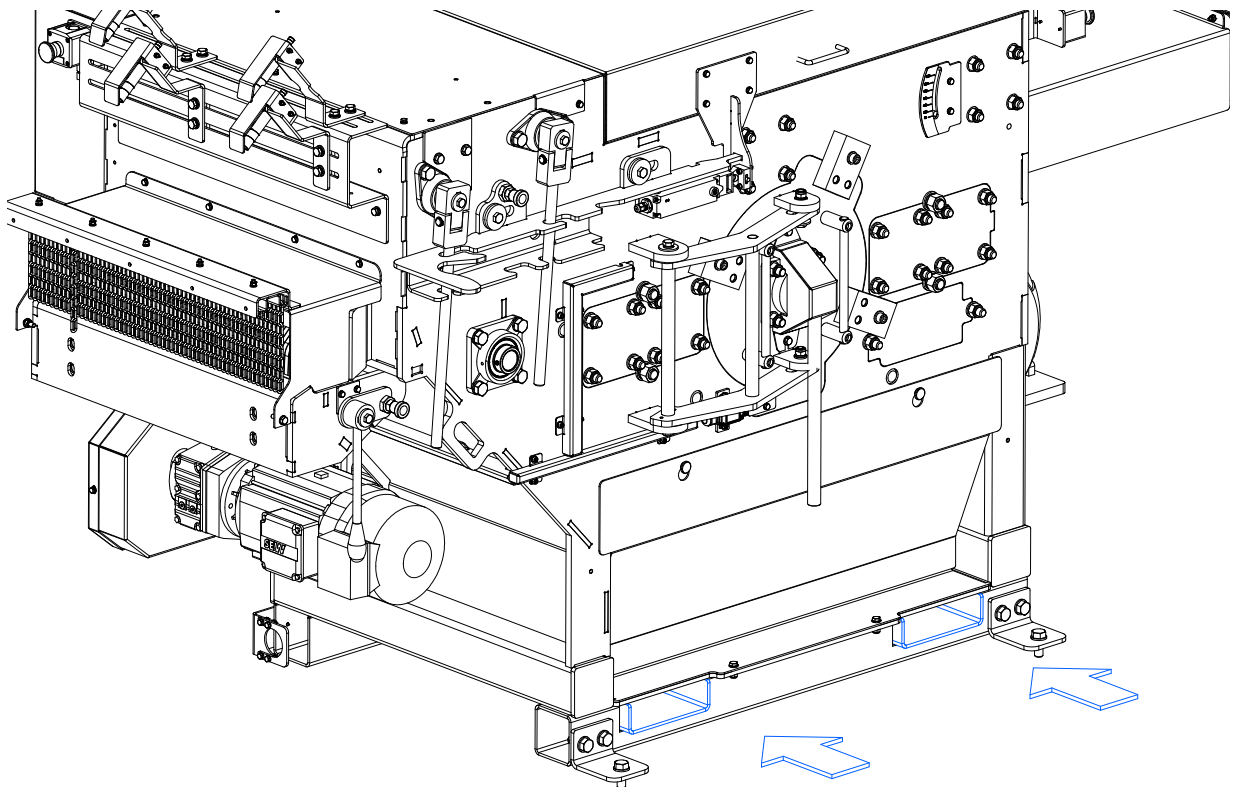


FIG. 5-14

5.5 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 infeed table 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 on the electric box is on.

See Figure 5-15

1. To turn the Edger's power on, turn the main switch to the ON position.

2. Start the blade motors. To do this, push the START button on the control panel (see the figure below). The motor should start.

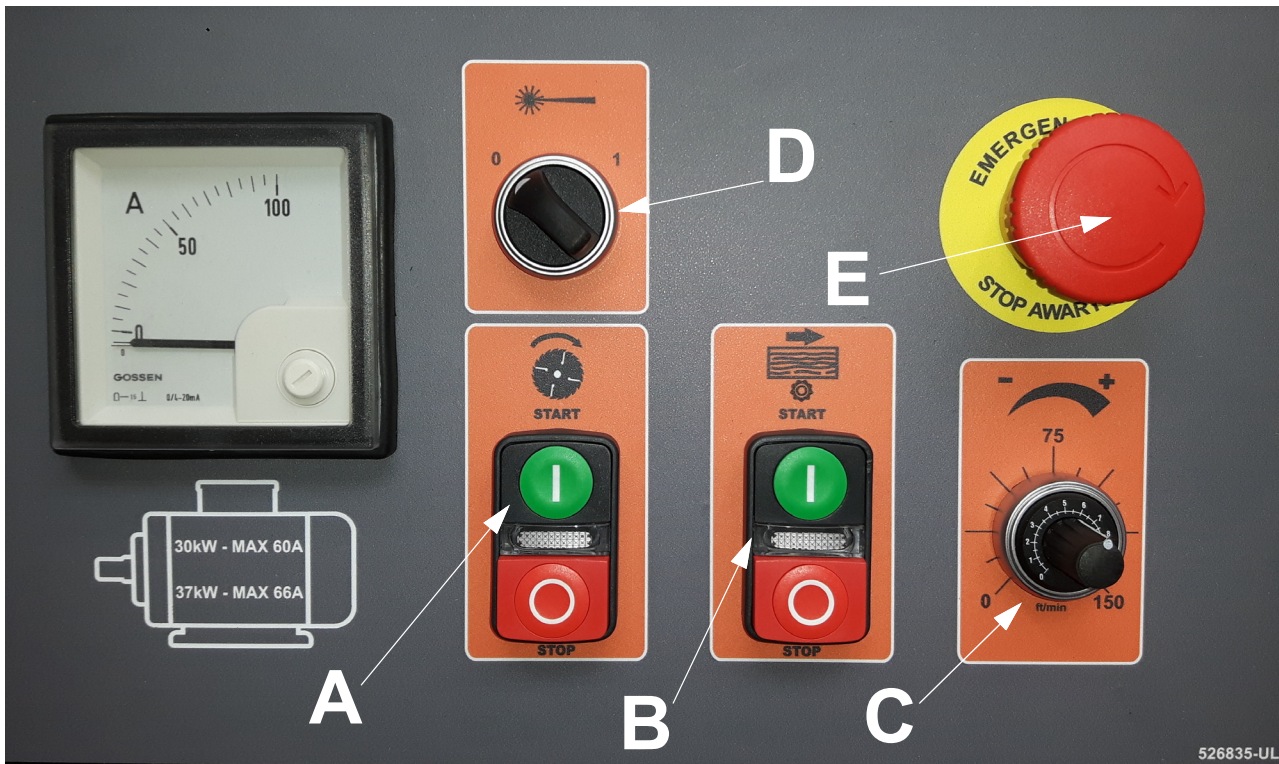


FIG. 5-15 SWITCHES ON THE CONTROL PANEL

To stop the blade motor, press the STOP button shown on the figure above. The motor also may be stopped by pushing the emergency stop button.

The speed at which 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. 40 m / 131 ft per minute.

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

Factors that will determine which feed rate can be used 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.

5.6 Reverse Gear Operation

See Figure 5-16

- Move the switch (A) from Main (B) to Reverse Gear Operation (C)



FIG. 5-16

See Figure 5-17

- If optional anti-kickback fingers module is mounted use the lever to move the anti-kickback

fingers

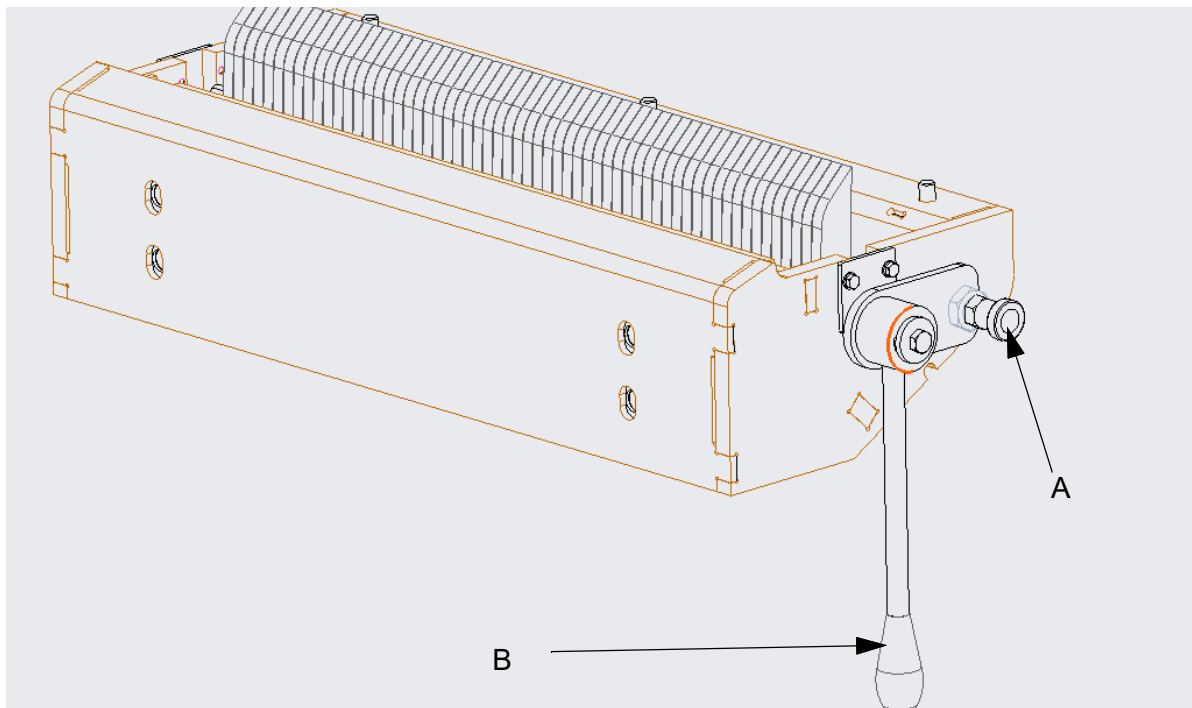
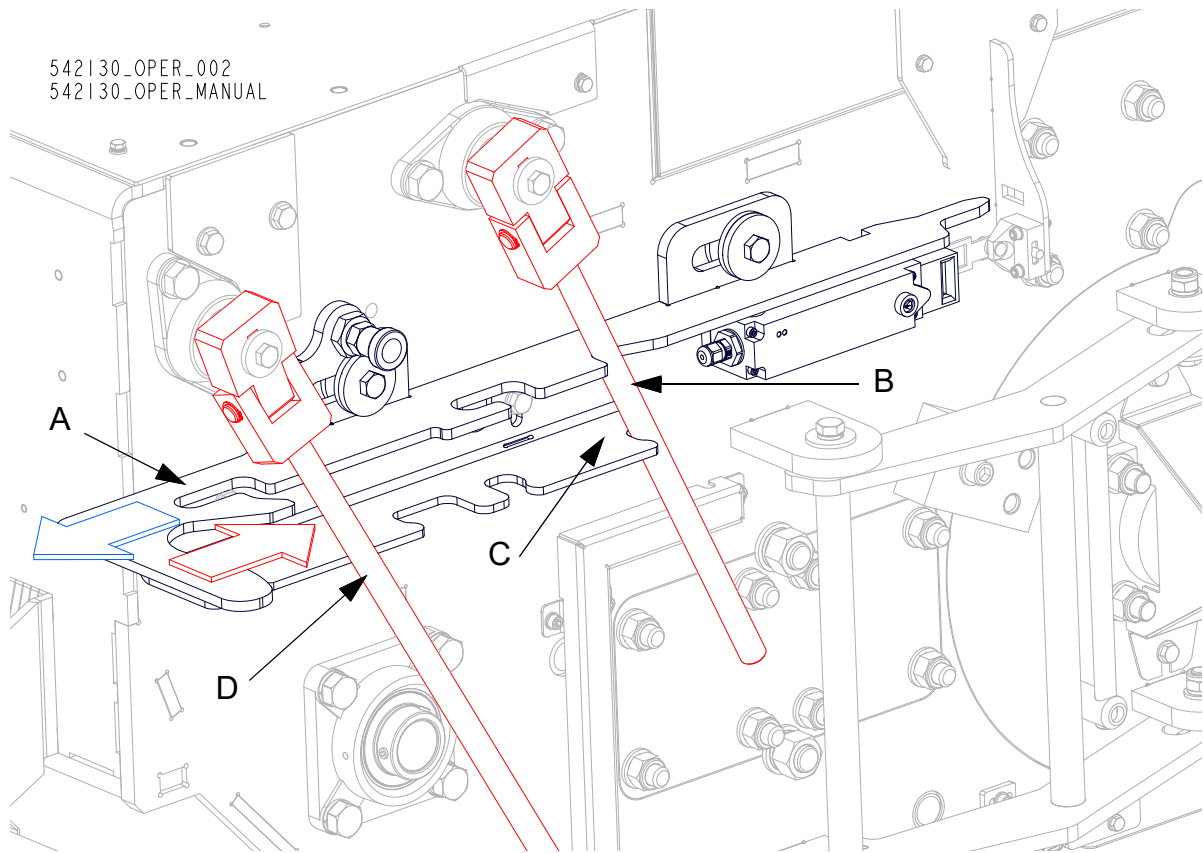


FIG. 5-17

See Figure 5-18

- Pull the latch assembly (A)
- Lock anti-kickback finger lever (B) in the notch located in the plate (C)
- Push and hold anti-kickback finger lever (D) ,

- the reverse gear should be engaged and the material can be removed.

**FIG. 5-18**

5.7 Movable blade limit switch adjustment

See Figure 5-19

1. Loosen bolts (A)
2. Move the mounting plate (B) with the limit switch (C) so that the edge of the last blade from the right is in line with the limit switch (C)

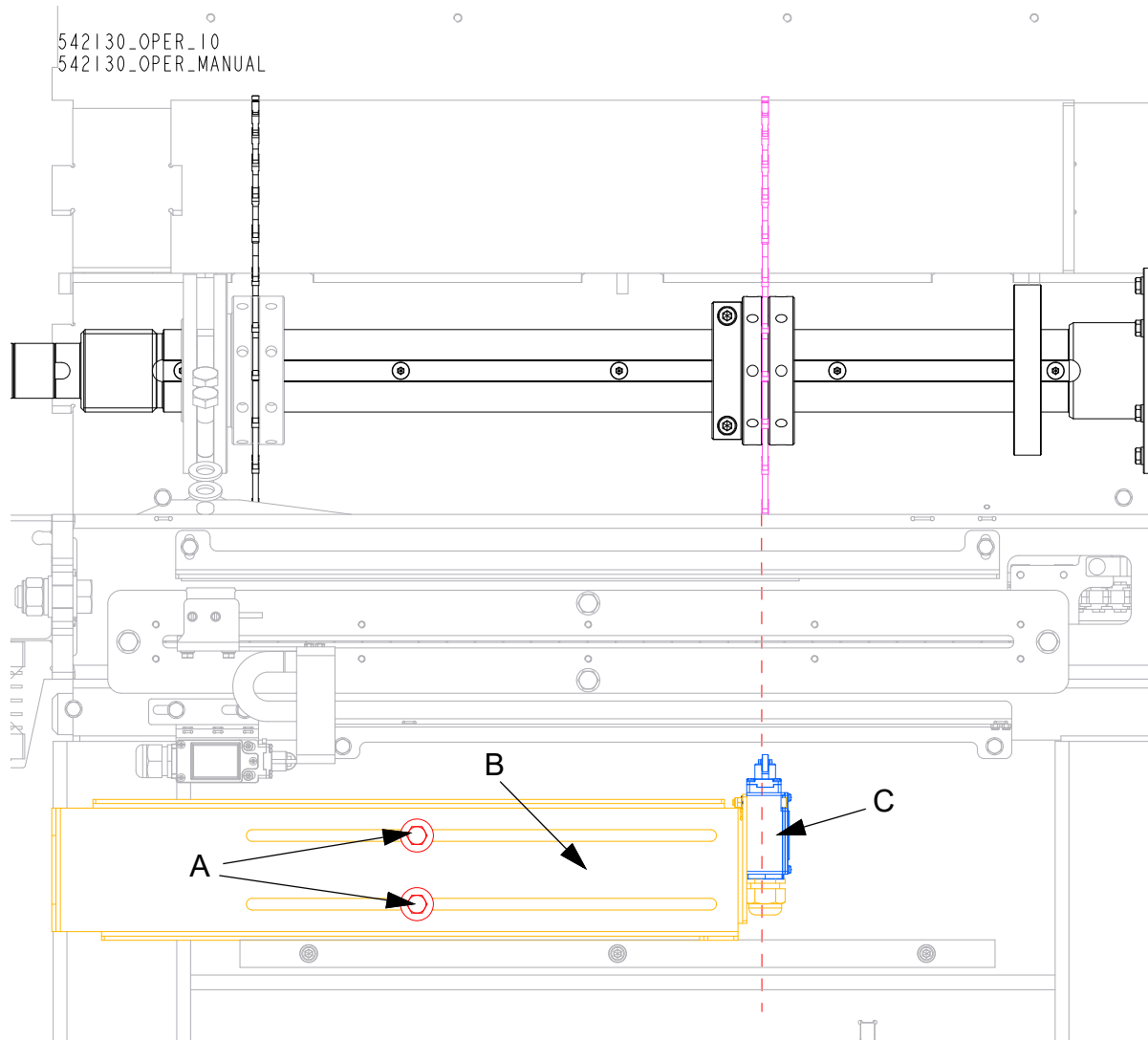


FIG. 5-19

SECTION 6 SPECIFICATIONS

6.1 Overall Dimensions

See Figure 6-1 The major dimensions of the EG800 edger are shown below (all dimensions are in millimeters).

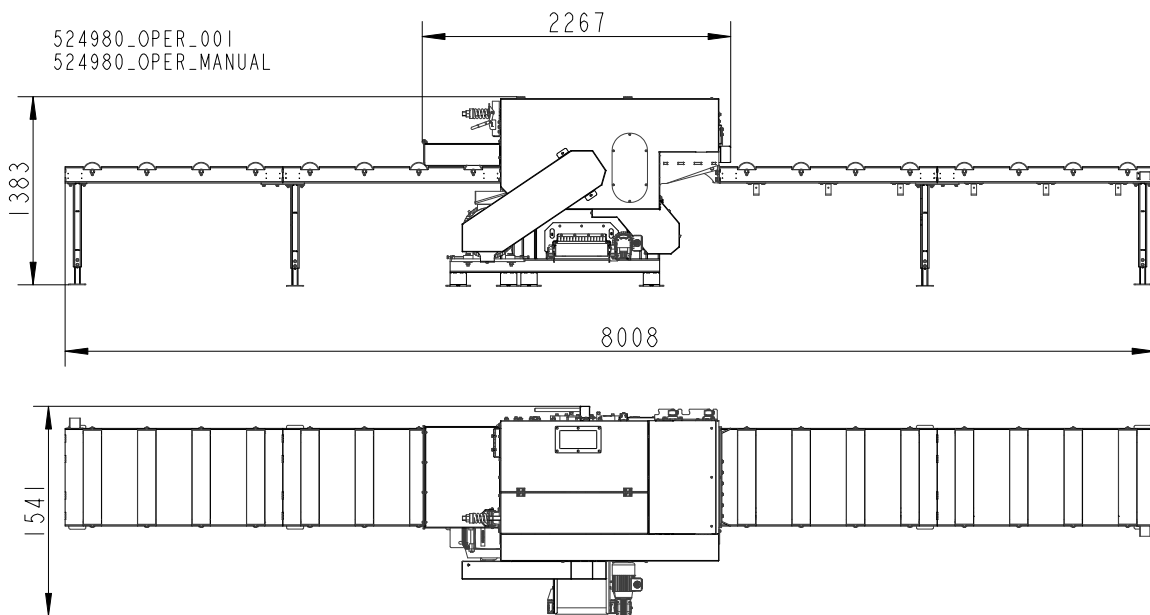


FIG. 6-1

See table 6-1 The overall dimensions are listed in the table below.

Weight	1500 kg
Height	1383 mm
Width	1541 mm
Length	8008 mm

6.2 EG800 Edger Specifications

See table 6-2 See the table below for technical data on the EG800 edger.

	Engine/Motor Specifications
Engine/Motor Type	E40 Electric Motor
Manufacturer	Siemens, Czech Republic
Voltage	400V, 460V
Maximum Current	53 A
Maximum Revolutions per Minute	2955 r.p.m. at 50Hz
Rated Power	30kW (40HP) at 50Hz
Manufacturer Part No.	1LE15032AA434AA4

	Engine/Motor Specifications
Engine/Motor Type	E50 Electric Motor
Manufacturer	WEG, Brazil
Voltage	400V, 690V
Maximum Current	66 A
Maximum Revolutions per Minute	2950 r.p.m. at 50Hz
Rated Power	37kW (50HP) at 50Hz
Manufacturer Part No.	W22 200L

See table 6-3 Noise Level:^{1 23}

	Engaged
Edger Equipped with electric motor E40	107 dB (A)

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. 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.

See table 6-4 Other specifications of the EG800 edger are given below.

Number of blades	4
Blade diameter	400 mm
Blade Rotational Speed	2950 r.p.m.
Cutting speed	0 - 40 m/min
Minimum board length	1000 mm
Minimum board thickness	12 mm
Maximum board thickness	107 mm
Minimum cutting width	10 mm
Maximum cutting width	600 mm
Maximum material width	640 mm

TABLE 6-4

See Figure 6-2 Allowable and non-allowable shapes of sawn material

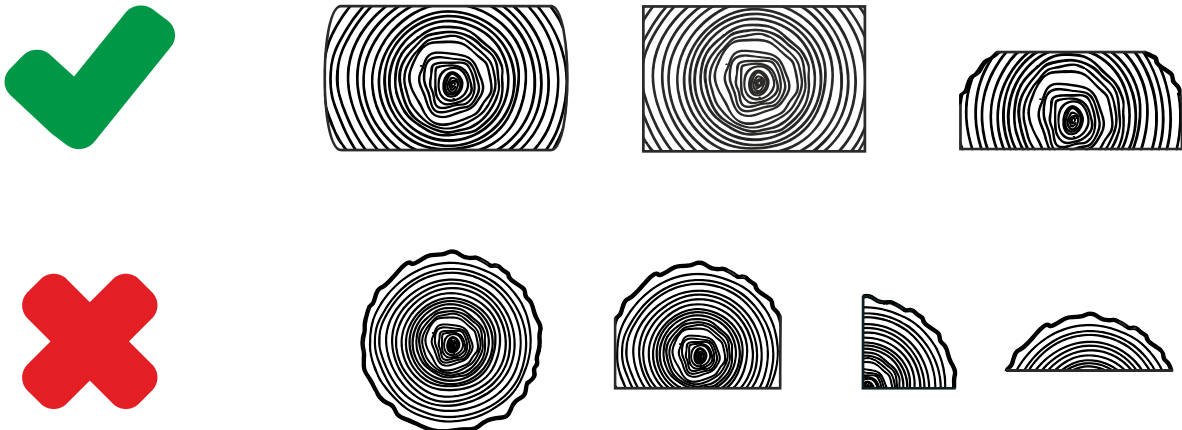


FIG. 6-2

6.3 Sawdust Extractor Specifications

See table 6-5 See the table below for specifications of a sawdust extractor that can be used with the EG800 edger.¹

Airflow	1200 m ³ /h
Inlet diameter	200 mm
Motor Power	4 kW
Number of sacks	2 pcs
Sack capacity	0.25 m ³
Pressure drop	1,5 kPa (0.22 psi) ¹
Weight	110 kg
Recommended conveying air velocity in the duct	20 m/s

¹ The pressure drop between the inlet of the capture device and the connection to the CADES should not exceed 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.

TABLE 6-5



IMPORTANT! The sawdust 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 EN12779:2016-04.

7 Laser Information

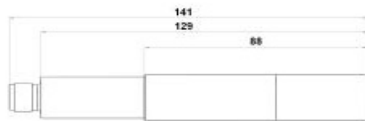
SECTION 7 LASER INFORMATION

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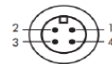
LP - 520L -10

Industrial hermetic focusable laser line generator with rectilinearity correction.
 Laser for industrial applications.



Technical data:

- Safety Class 2M from EN 60825-1:2014;
- Wavelength $\lambda = 520\text{nm}$;
- Average Output Power 10 mW;
- Operating Voltage 9V - 28VDC;
- Operating Current <100mA;
- Optics: aspherical acrylic lens F=8mm; NA=0.28; rod lens $\varnothing 5$;
- Line generating angle $\sim 90^\circ$;
- Possibility to adjust the focus from few cm to several meters (external focus mechanism);
- Dimensions $\varnothing 20 \times 130$;
- International Protection Rating IP65;
- Aluminium housing (black anodized);
- Chromed brass mounting M18 x 1;
- Operating temperature: 0 to +60°C;
- Storage temperature: -40 to +85°C;
- Laser diode electrically isolated from housing;
- M12 plug, 4-pin M12 x 1
- Pin configuration:
 - 1: voltage supply (+)
 - 3: voltage supply (-)



OPTIONS:

- different optical power, wavelength, line generating angle, gaussian or uniform line optics,
- modulation.



RAIFFEISEN BANK POLSKA S.A.
 PLN 96 1750 0009 0000 0000 0272 8238, EUR 15 1750 0009 0000 0000 0272 8338
 USD 55 1750 0009 0000 0000 0272 8297, CHF 90 1750 0009 0000 0000 0272 8346
 NIP PL5260303208, D&B 422320739

EC declaration of conformity according to EC Machinery Directive 2006/42/EC, Annex II, 1.A

Manufacturer,

Wood-Mizer Industries sp. z o.o.
Nagórna 114, 62-600 Koło; Poland
Tel. +48 63 26 26 000

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Following machine in our delivered version complies with the appropriate essential 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.

We, the undersigned herewith declare, that:

Designation of the machine: **Edger**

TYPE: EG800

Models:

No. of manufacturer:

Is in conformity with the following EC directives:

Machinery Directive 2006/42/EC
Electromagnetic Compatibility Directive
2014/30/EU

And is in conformity with the following Harmonized Standards:

PN-EN ISO 19085-1:2021-09
PN-EN 13849-1_2016-02
PN-EN 60204-1:2018-12

Notified Body according to annex IV : Sieć Badawcza Łukasiewicz –
Krakowski Instytut Technologiczny
ul. Zakopiańska 73
30-418 Kraków

Notification No: 1455

EC type-examination certificate no.: 1455-MD-084/22

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Place/Date/Authorized Signature: Koło, 30.11.2022 

Title : Engineering Manager