

Operator's Instruction Manual

SS-26, SS-36 & SS-26E



SS-26 Shown

**Self-Propelled
Concrete/Asphalt Saw**
Diesel, Gasoline & Electric available

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READ AND UNDERSTAND THE OPERATORS INSTRUCTION MANUAL *THOROUGHLY* BEFORE ATTEMPTING TO OPERATE THIS EQUIPMENT.



Death or serious injury could occur if this machine is used improperly.



SAFETY MESSAGES

- Safety Instructions are preceded by a graphic alert symbol of DANGER, WARNING, or CAUTION.



Indicates an imminent hazard which, if not avoided, will result in death or serious injury.



Indicates an imminent hazard which, if not avoided, can result in death or serious injury.




Indicates hazards which, if not avoided, could result in serious injury and or damage to the equipment.

GASOLINE/PROPANE POWERED EQUIPMENT



- Engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

-  Gasoline is extremely flammable and poisonous. It should only be dispensed in well ventilated areas, and with a cool engine.

- Small gasoline engines produce high concentrations of carbon monoxide (CO) example: a 5 HP 4 cycle engine operation in an enclosed 100,000 cu. ft. area with only one change of air per hour is capable of providing deadly concentrations of CO in less than fifteen minutes. Five changes of air in the same area will produce noxious fumes in less than 30 minutes. Gasoline or propane powered equipment should not be used in enclosed or partially enclosed areas. Symptoms of CO poisoning include, headache, nausea, weakness, dizziness, visual problems and loss of consciousness. If symptoms occur - get into fresh air and seek medical attention immediately.

ELECTRICAL POWERED EQUIPMENT



Extreme care must be taken when operating electric models with water present: Ensure power cord is properly grounded, is attached to a Ground-Fault-Interrupter (GFI) outlet, and is undamaged.

- Check all electrical cables - be sure connections are tight and cable is continuous and in good condition. Be sure cable is correctly rated for both the operating current and voltage of this equipment.
- Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with qualified electrician or service person if there is any doubt as to whether the outlet is properly grounded. Adhere to all local codes and ordinances.
- **NOTE:** In the event of a malfunction or breakdown, grounding provides a path of least resistance for the electric current to dissipate. The motor is equipped with a grounded plug and must be connected to an outlet that is properly installed and properly grounded. DO NOT modify the plug provided on the motor. If the plug does not fit the outlet have a qualified electrician install the proper receptacle.
- Switch motor OFF **before** disconnecting power.

- Do not disconnect power by pulling cord. To disconnect, grasp the plug, not the cord.
- Unplug power cord at the machine when not in use and before servicing.

GENERAL INSTRUCTIONS

- Equipment should only be operated by trained personnel in good physical condition and mental health (not fatigued). The operator and maintenance personnel must be physically able to handle the bulk weight and power of this equipment.
- This is a one person tool. Maintain a safe operating distance to other personnel. It is the **operators' responsibility** to keep other people (workers, pedestrians, bystanders, etc.) away during operation. Block off the work area in all directions with roping, safety netting, etc. for a safe distance. Failure to do so may result in others being injured by flying debris or exposing them to harmful dust and noise.
- This equipment is intended for commercial use only.
- For the operator's safety and the safety of others, always keep all guards in place during operation.
- Never let equipment run unattended.



- Personal Protection Equipment and proper safety attire must be worn when operating this machinery. The operator must wear approved safety equipment appropriate for the job such as hard hat and safety shoes when conditions require. Hearing protection MUST be used (operational noise levels of this equipment may exceed 90db). Eye protection MUST be worn at all times.



Keep body parts and loose clothing away from moving parts. Failure to do so could result in dismemberment or death.

- Do not modify the machine.

- Stop motor/engine when adjusting or servicing this equipment. Maintain a safe operating distance from flammable materials. Sparks from the cutting-action of this machine can ignite flammable materials or vapors.



DUST WARNING



Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects, or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints, and
- Crystalline silica from bricks and concrete and other masonry products.

Your risk of exposure to these chemicals varies depending on how often you do this type of work. To reduce your risk: work in a well ventilated area, use a dust control system, such as an industrial-style vacuum, and wear approved personal safety equipment, such as a dust/particle respirator designed to filter out microscopic particles.

Equipment Instruction Manual

EDCO Models SS26-38K, SS26-31D, SS26-15E & SS36-57D

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SS-26-38K Shown

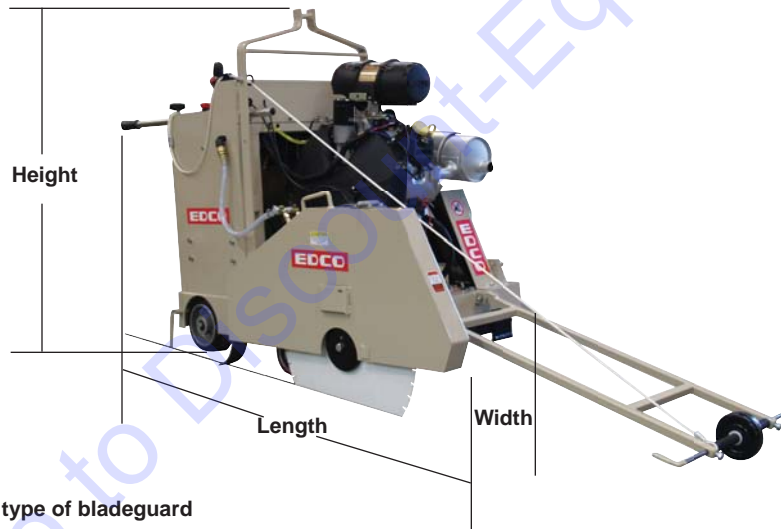


Figure 1

Specifications and dimensions are approximate and subject to change				
Model	SS26-38K	SS26-31D	SS26-15E	SS36-57D
Height	50 1/2" 128.27cm	63" 160.02cm	50 1/2" 128.27cm	61" 154.94cm
Width	32" 81.28cm	32" 81.28cm	32" 81.28cm	36" 91.44cm
Length	58" 147.32cm	57 1/4" 145.41cm	58" 147.32cm	69" 175.26cm
Weight	995 lbs 451kg	1225 lbs 556kg	1094 lbs 451kg	1588 lbs 720kg

Read and understand the *Operator's Instruction Manual, the Rx for Concrete Saws,*
and the *Engine Manufacturer's Owner's Manual*
before operating this equipment.



Death or serious injury can result if this machine is used improperly.



Safety Guidelines



Remove all rings, watches and jewelry prior to doing any work inside the console area. Metallic jewelry could short out the positive lead on the battery or the hydraulic power unit and cause severe bodily injury.



Maintain a safe operating distance from flammable materials. Sparks from the cutting-action of this saw can ignite flammable materials or vapors.



Operator must wear appropriate clothing and footwear. Do not wear loose clothing or jewelry that can get tangled or caught in moving parts.



Eye and ear protection must be worn at all times when this machine is in use. During normal use, sound levels exceed 92dB. Use only ANSI approved safety glasses to help prevent eye injury. Normal, prescription eyeglasses have only impact resistant lenses; they are NOT safety glasses.

- Keep a safe operating distance from other personnel and never leave the machine running unattended.
- Maintain the machine in safe operating condition with all guards in place and secure, all mechanical fasteners tight, all controls in working order and the saw configured for the job application.
- The SS26-38K, SS26-31D & SS36-57D are both designed to cut flat, horizontal concrete or asphalt slabs using diamond saw blades.
- The SS26-38K, SS26-31D & SS36-57D are to be operated by a single operator from a position at the rear of the saw.
- Avoid deck inserts, pipes, columns, openings, electrical outlets, or any objects protruding from slab surface.
- Inspect the blades carefully before installing. Do not use any questionable blade since serious personal injury and/or damage to property can result.
- Never operate this saw while under the influence of drugs, alcohol or when taking medications that impair the senses or reactions, or when excessively tired or under stress.
- Be sure all safety decals on the machine can be clearly read and understood. Replace damaged or missing decals immediately.

Safety warnings and guidelines do not by themselves eliminate danger.
They are not given as substitutes for proper accident prevention and good judgement.

SS26-38K Gasoline Powered Operating Controls

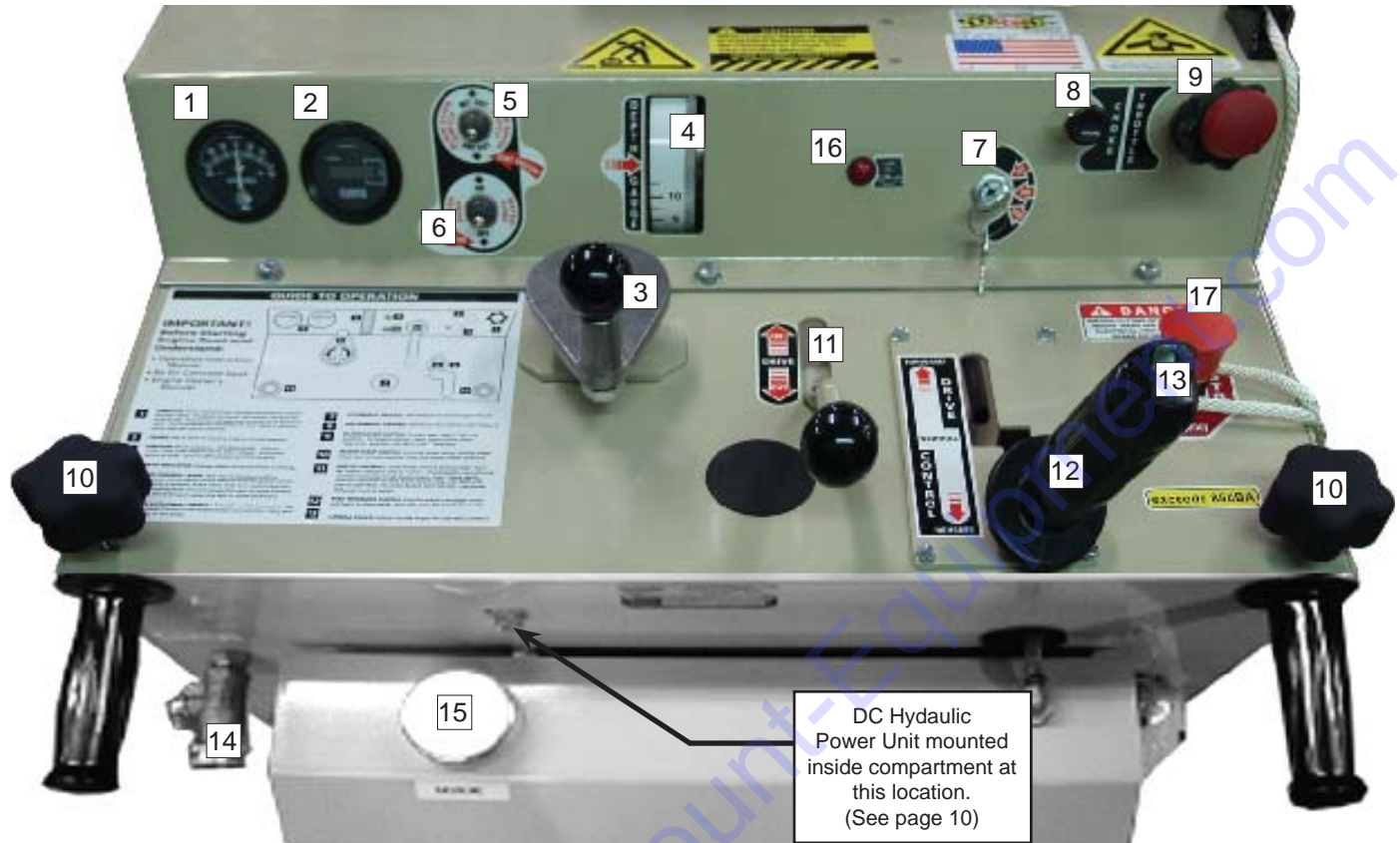


Figure 3

SS26-38K Operator's Console

1. Ammeter
2. Hour Meter
3. Cut Control
4. Depth Gauge
5. Blade Saver Switch
6. Water Pump Switch
7. Ignition Switch
8. Choke
9. Throttle
10. Handle Locks
11. Clutch
12. Drive Control Lever
13. Blade Lift/Lower Rocker Switch
14. Water Hook Up
15. Gasoline Fill Cap
16. Low Oil Indicator
17. Emergency Stop

NOTE: Due to design changes and advances in technology your machine may not look exactly like machines illustrated in this manual. All controls function in the same manner.

Diesel Powered Operating Controls

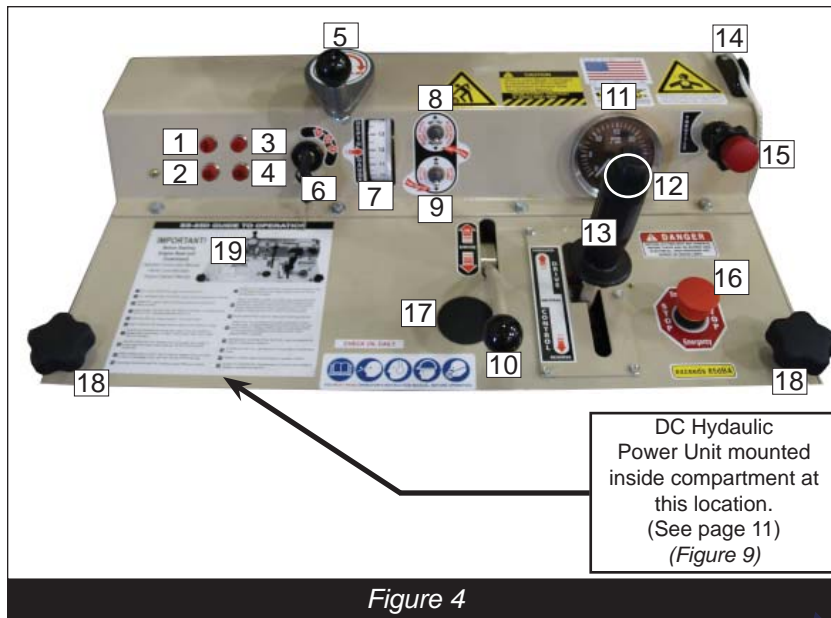


Figure 4

SS36-57D Operator's Console

1. Oil Pressure Indicator
2. Oil Temperature Indicator
3. Alternator Failure Indicator
4. Glow Plug Indicator
5. Depth Control
6. Ignition Switch
7. Depth Indicator
8. Blade Saver Switch
9. Water Pump Switch
10. Free Wheeling Clutch
11. Tachometer / Hour Meter
12. Blade Lift / Lower Rocker Switch
13. Drive Control Lever
14. Guide Bar Rope
15. Throttle
16. Emergency Stop Button
17. Hydraulic Oil Fill
18. Handle Locks
19. Guide To Operation

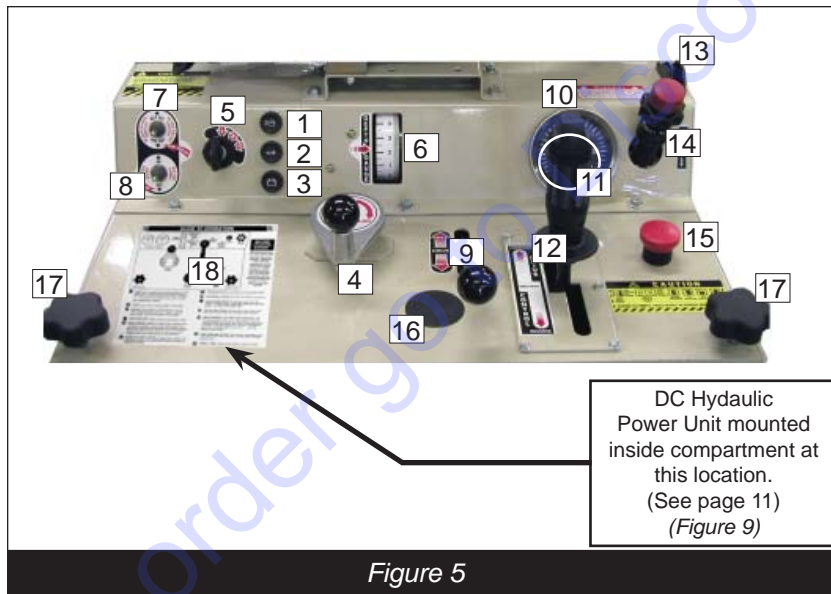


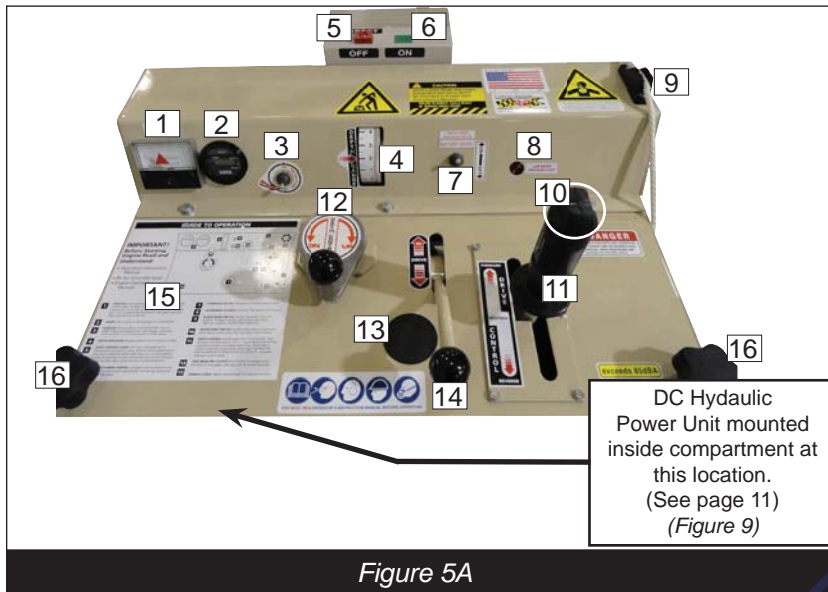
Figure 5

SS26-31D Operator's Console

1. Oil Pressure Indicator
2. Oil Temperature Indicator
3. Alternator Failure Indicator
4. Depth Control
5. Ignition Switch
6. Depth Indicator
7. Blade Saver Switch
8. Water Pump Switch
9. Free Wheeling Clutch
10. Tachometer / Hour Meter
11. Blade Lift / Lower Rocker Switch
12. Drive Control Lever
13. Guide Bar Rope
14. Throttle
15. Emergency Stop Button
16. Hydraulic Oil Fill
17. Handle Locks
18. Guide To Operation

NOTE: Due to design changes and advances in technology your machine may not look exactly like machines illustrated in this manual. All controls function in the same manner.

Electric Powered Operating Controls



SS26-15E Operator's Console

1. AMP Meter
2. Hour Meter
3. Water Pump Switch
4. Depth Indicator
5. OFF/E-STOP Button (RED)
6. On Button (GREEN)
7. Battery Saver Switch
8. Low Water Pressure Alert
9. Guide Bar Rope
10. Blade Lift / Lower Rocker Switch
11. Drive Control Lever
12. Depth Control
13. Hydraulic Oil Fill
14. Free Wheeling Clutch
15. Guide To Operation
16. Handle Locks

With the exception of the ON and OFF/E-STOP buttons the electric version of this saw and its controls operate the same as Gasoline and Diesel models described in this manual.

Above are descriptions of all controls and indicators shown in *Figure 5A*. Service and maintenance are the same as Gasoline and Diesel models.

CAUTION: Before attempting to start the saw be sure blade is not contacting the work surface or in a cut. If saw ever stops with blade in cut raise blade out of cut by putting item #11 in the neutral position first, then use item #10 to raise the blade.

NOTE: When machine is not in use turn item #7 "Battery Saver Switch" OFF. If switch is left turned ON the battery will be drained over a period of time. Turn item #3 "Water Pump Switch" OFF when dry cutting or machine is not in use.

Turn item #3 "Water Pump Switch" to ON if water pressure is not sufficient to keep item #8 "Low Water Pressure Alert" indicator extinguished (this also means the blade is not getting proper lubrication and blade wear increases). Turning the water pump on also increases water flow to the blade and will extinguish the indicator.

Maintain the setting of 21 AMPS, on the AMP Meter item #1 when the saw is moving forward and cutting at a constant speed.

To adjust the setting of 21 AMPS use item #11 "Drive Control Lever" by moving it toward the front or rear of the machine while observing the item #1 "AMP Meter". While cutting keep item #1 "AMP Meter" reading at or slightly below 21 AMPS. No harm will be done to intermittently run slightly over 21 AMPS while making adjustments to the saw. Do not continuously run over 21 AMPS damage to the motor, blade and protection circuit will result.

While cutting and there is adequate water pressure item #8 "Low Water Pressure Alert" indicator will be extinguished. When water pressure is lost or too low item #8 "Low Water Pressure Alert" indicator will illuminate alerting the Operator. Cutting should be stopped to prevent damage to the blade. Investigate and fix problem before continuing to cut.



Do not operate gasoline or diesel powered equipment without adequate ventilation.

Carbon monoxide is an invisible, odorless gas that can kill.

Before Starting the Engine/Motor:

- Read *Rx for Concrete Saws* before operating.
- Inspect machine before each use according to the *Maintenance Schedule* on page 15.
- Locate and be familiar with all engine and saw controls (*Figures 2 ,3,4, 5 & 5A*).
- Inspect the blades carefully before installing and then again several times during the day. Use the correct blade for the job. Check rated RPM, diameter and size configuration. Make sure blade is correctly mounted. (See page 14)
- For wet cutting, attach supply hose to Water Hook Up Valve.
NOTE: Do not flip Blade Saver switch (*Figure 6*) to WET CUT until water pressure has been applied and the engine has been started. This does not apply to SS26-E.
- Adjust the handles for operator comfort and safe operation. Be sure to retighten knobs once handles are positioned.
- Scribe a line to help guide the saw, then position the saw over the scribed line.



Figure 6

Starting the Saw Gasoline:

- Verify the Drive Control lever is in the Neutral (center) position. (*Figures 2 & 3*)
- Verify that the blade is raised high enough to clear the ground.
- Disengage the Clutch. (*Figure 7*)
- Open the Throttle approximately 1/4, then follow the engine manufacturers *Operating Instructions* for starting the engine. Allow the engine to warm up for about one minute before beginning any cutting. Use the Throttle to adjust the engine speed. Turn the Throttle handle counterclockwise to unlock, pull out to increase engine RPM, and turn handle clockwise until tight to lock the throttle. Cutting should be done at **FULL THROTTLE**. The engine governor is factory set - *Do Not Change*.
- Use the choke to aid in cold weather starting. Pull the choke to activate. Once the engine has started and is running smoothly, push the choke in to return to the operating position.



Figure 7

Starting the Saw Diesel:

- Verify the Drive Control lever is in the Neutral (center) position. (*Figures 4 &5*)
- Verify that the blade is raised high enough to clear the ground.
- Disengage the Clutch. (*Figure 7*)
- Follow the engine manufacturers *Operating Instructions* for starting the engine. Allow the engine to warm up for about one minute before beginning any cutting. Use the Throttle to adjust the engine speed. Turn the Throttle handle counterclockwise to unlock, pull out to increase engine RPM, and turn handle clockwise until tight to lock the throttle. Cutting should be done at **FULL THROTTLE**. The engine governor is factory set - *Do Not Change*.

Starting the Saw Electric:

- Verify the Drive Control lever is in the Neutral (center) position. (Figures 2, 3,4 ,5 & 5A)
- Verify that the blade is raised high enough to clear the ground.
- Disengage the Clutch. (Figure 7)
- Insure an electric power cord is plugged into a properly grounded outlet capable of supplying voltage and current needed to run the motor. This information can be obtained by reading the information plate on the motor.
- Connect the other end of the power cord to the machine. If the plug on the machine does not match the socket on the end of power cord, contact a qualified electrician to make the necessary changes.
- **Once proper power is connected to the machine press the start button to *START* the machine and press the *STOP* button to stop the machine. The stop button is also used as an EMERGENCY STOP button.**

For Blades Marked WET CUTTING:

Once engine is at operating temperature, open the water valve and flip the Blade Saver Switch to the Wet Cut position. The engine should continue to run. If the engine stops, the water flow may not be adequate. Return the switch to the DRY CUT position and restart the engine. Your SS26-E, SS26-31D and SS36-61D is equipped with a water pump, activate the water pump and there should be a noticeable change in water flow. Flip the switch back to WET CUT and the engine should continue to run. Do not operate WET CUT blades without an adequate supply of water.

For Blades Marked DRY CUTTING:



Leave switch in the DRY CUT position. While water is not required for cooling, it may be used for controlling dust. For health reasons, it is strongly recommended that the operator wear a respirator if cutting dry and water is not being used to control dust from the material being removed. That dust may contain chemicals known to cause serious illnesses, including Silicosis - a fatal disease of the lungs. Check the chemical properties of the material to be removed and follow all EPA/OSHA regulations.

Typical Max. Cutting Depths	
Blade Diameter	Max. Depth
36"	15"
30"	12"
24"	9 1/2"
20"	7 1/2"
18"	6 1/2"
16"	5 1/2"
14"	4 1/2"

Depths are approximate. Exact depth will be based on *measured* blade diameter and blade flanges.

Cutting:

- Open the Throttle to FULL.
- Engage the clutch in order to use the self propelled drive. Be sure the drive control lever is in the Neutral before shifting the clutch. (Freewheeling mode)
- Lower the blade by depressing the blade lift/lower switch (Figure 8) until it just touches the slab surface. When blade touches, set the depth indicator to zero.
- Continue lowering the blade until desired cutting depth is reached then rotate the depth control lock to the UP direction until resistance is felt. This will keep the depth of the cut consistent unless it is readjusted manually.
- Begin moving the machine into the cut by slowly pushing the grip drive selector lever forward until the saw reaches the desired forward speed for the blade and cutting conditions. Forward speed is directly proportional to the amount that the drive selector lever is pushed forward. Refer to figures 2,3,4 and 5 for location of controls. Refer to page 7 for SS26-E for cutting speed adjustment.

WARNING

- Do not allow the engine to labor or stall.
- Do not force the blade while cutting.
- Incorrect blade cutting speeds and feeds can damage the blade resulting in flying broken blade fragments that can cause serious injury or death.

To Stop Cutting:

- Stop forward motion of the saw by returning the speed control lever to neutral position.
- Raise the blade completely out of the cut by depressing the blade lift/lower switch. (Figure 8) DO NOT attempt to raise the blade with the depth control lock.
- Throttle the engine down to idle, on gas, propane and diesel models.
- Flip the Blade Saver Switch back to DRY CUT.
- If wet cutting, turn off the water pump and close the valve.
- Turn the ignition switch to the OFF position on gas, propane and diesel models.
- Turn power switch off on electric models.

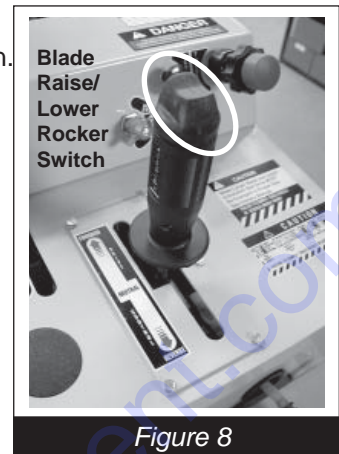


Figure 8

If the Power Stops While the Blade is in the Cut:

- Raise the blade completely out of the cut.



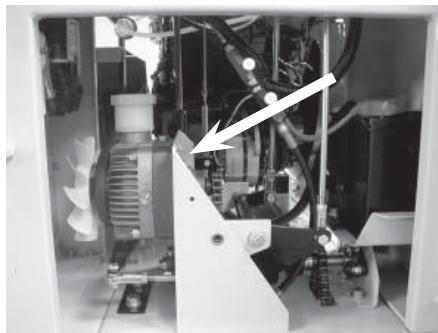
Disconnect the spark plug, battery leads or electrical power depending on the source of power to prevent the machine from starting by accident.

- Inspect the blade arbor bolt to verify is still tight, and inspect the blade for damage. Replace damaged or questionable blades immediately. Use *Rx for Diamond Blades* as a guide.

Note: The SS26-38K is equipped with an engine ammeter, the SS26-31D, SS36-61D uses lighted indicators to show the rate of charge for the battery while the engine is running. The engine alternator is designed for an output of 30 amperes. This is adequate to keep the battery fully charged. If the ammeter indicates a minus (-) condition when the engine is running, or the charge indicator lights, immediately raise the blade out of the cut, stop the engine, investigate and solve the problem. This condition must be corrected before continuing or damage to the equipment will result. This feature is not available on the SS26-E.

Tracking Adjustment:

- Note the difference in tracking adjustment decals below, SS-36 on the left and SS26 on the right. They are located at the bottom rear of the saw. SS-36 on left side and SS-26 on the right side.
- If necessary loosen/tighten chain by loosening four hex nuts located on inside of bracket indicated by arrow in photo below. Raise/lower pump and tighten four hex nuts as needed during tracking adjustment.
- Strike 25' line on concrete.
- Set blade over line and start forward with blade out of cut above the start of the line.
- Saw should drift 2"-3" to left of the line in 25'.
- Start cutting.
- If saw still feels like it is binding remove from cut and adjust drift to compensate.
- Note chain tension before tracking. If chain is already tight loosen slightly before starting adjustments.
- After tracking is complete, retighten chain.





The following maintenance instructions are brief explanations of some of the items suggested in the Maintenance Schedule chart on page 12. These instructions are not replacements for the *Engine Manufacturer's Maintenance Instructions*.



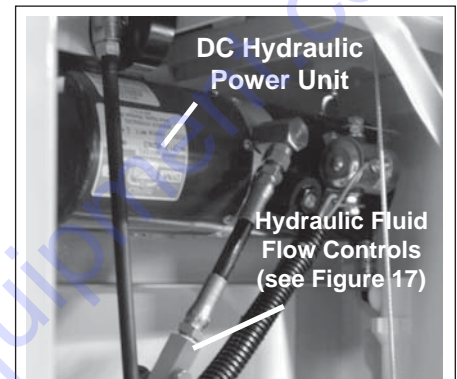
Maintenance

WARNING Disconnect the machine from the power source by disconnecting the spark plug or battery leads before performing any maintenance.

WARNING Remove all rings, watches and jewelry prior to working anywhere around the DC Hydraulic power unit. (Figure 9 & Review Figure 3,4,5 & 5A)

WARNING Use extreme caution not to damage the hydraulic unit. Fluid under pressure can pierce the skin and enter the blood stream causing death or serious injury.

WARNING NOTE: Failure to keep arbor shaft drive belts properly tensioned can cause engine crank shaft bearing failure and void engine warranty. Use a belt tensioning gauge to properly tension arbor shaft drive belts .



This view shows DC Power Unit where it is mounted inside machine above the access door.

Figure 9

Inspect Arbor Drive Belts - SS26-E, SS26-31D & SS36-57D

- Proper belt tension must be maintained to transmit the engine power to the cutting blade. Slipping belts will over heat, the blade life will be shortened and the cutting speed limited. Over tensioned belts will shorten belt and bearing life. 70 ft. lbs. of deflection at the center between the pulley's, is recommended.
- On new machines and after installation of new belts, adjust belt tension after the first four hours or sooner, then tension as necessary.
- Loosen engine mount mounting bolts and jam nuts, then turn jacking bolts to lift or lower engine mount. Lift engine to tighten belts lower engine to loosen/replace belts. (Figure 10)

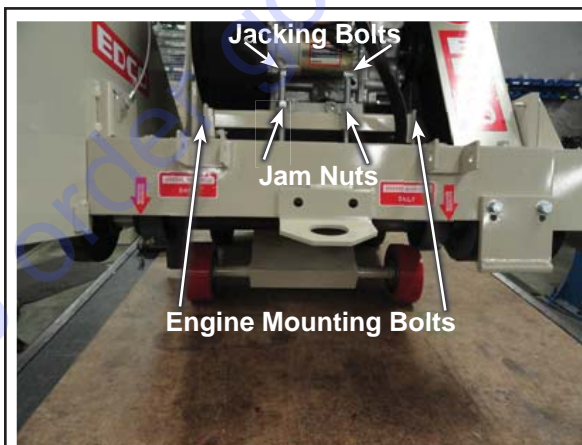


Figure 10

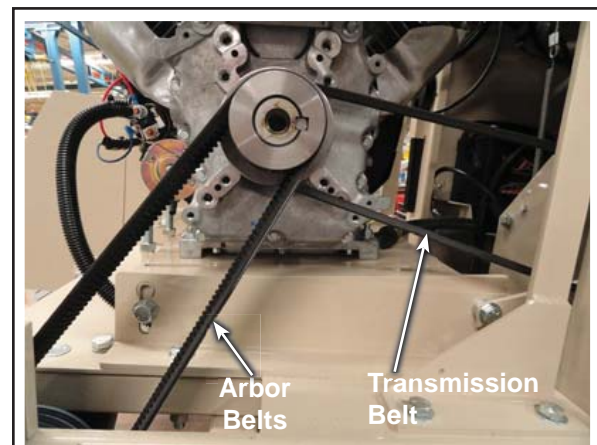


Figure 11

Inspect Arbor Drive Belts - SS26-31D

- Proper belt tension must be maintained to transmit the engine power to the cutting blade. Slipping belts will over heat, the blade life will be shortened and the cutting speed limited. Over tensioned belts will shorten the belt and bearing life. 70 ft. lbs. of deflection at the center between the pulley's, is recommended.

!! IMPORTANT!!

After tensioning belts make sure engine is level and then tighten ***all*** mounting hardware and ***jam nuts***.

- On new machines and after installation of new belts, adjust belt tension after the first four hours, then tension as necessary.
- Loosen engine mounting bolts and jam nuts, then turn jacking bolt to lift or lower engine mount. Lift engine to tighten belts lower engine to loosen/replace belts. (Figure 12)

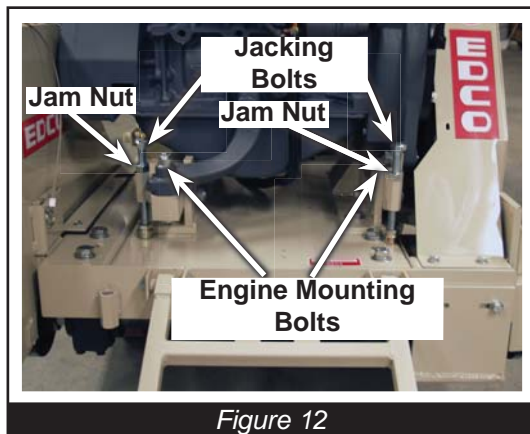


Figure 12

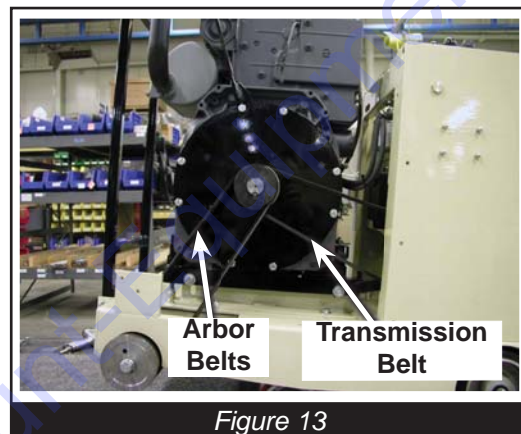


Figure 13

Inspect Arbor Drive Belts - SS36-57D

- Proper belt tension must be maintained to transmit the engine power to the cutting blade. Slipping belts will over heat, the blade life will be shortened and the cutting speed limited. Over tensioned belts will shorten the belt and bearing life. 70 ft. lbs. of deflection at the center between the pulley's. force, is recommended.
- On new machines and after installation of new belts, adjust belt tension after the first four hours, then tension as necessary.
- Loosen engine mounting bolts and jam nuts then turn jacking bolts to lift or lower engine mount. Lift engine to tighten belts lower engine to loosen/replace belts. (Figure 14)

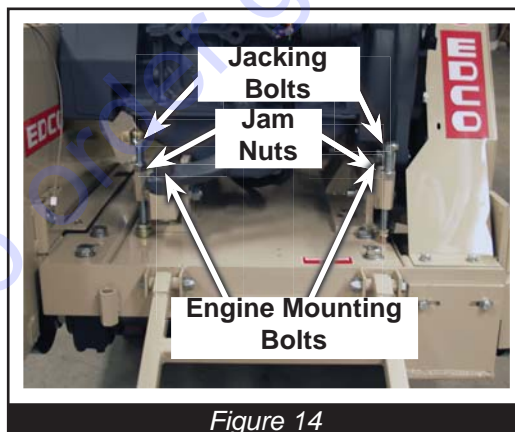


Figure 14

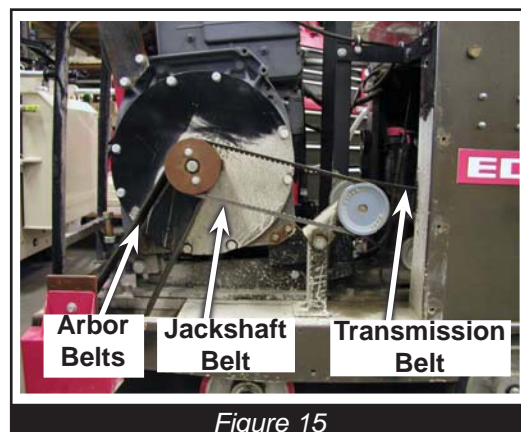
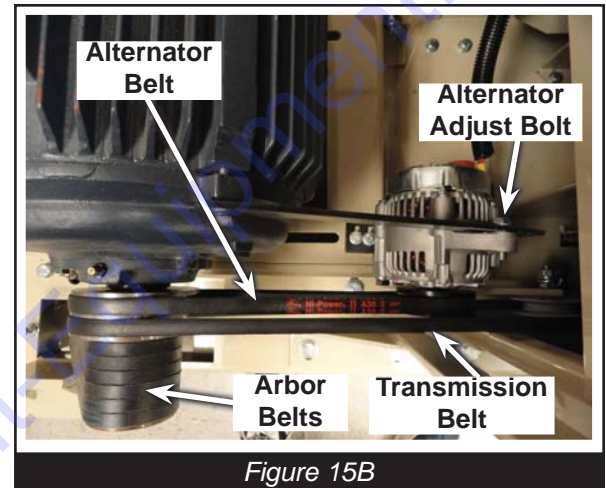
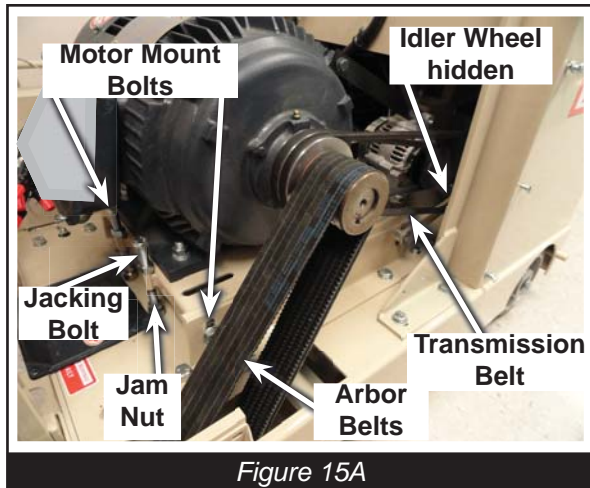


Figure 15

Inspect Arbor Drive Belts - SS26-15E

- Proper belt tension must be maintained to transmit the motor power to the cutting blade. Slipping belts will over heat, the blade life will be shortened and the cutting speed limited. Over tensioned belts will shorten the belt and bearing life. 70 ft. lbs. of deflection at the center between the pulleys, is recommended.
- On new machines and after installation of new belts, adjust belt tension after the first four hours, then tension as necessary.
- Loosen motor mount bolts and jam nut on jacking bolt then turn jacking bolt to lift or lower motor mount. Lift motor mount to tighten belts and lower motor mount to loosen/replace belts. (*Figure 15A*) Tighten hardware when finished.



Replace/tighten Alternator or Transmission Belts - SS26-15E

- Follow steps under “Inspect Arbor Drive Belts - SS26-15E” above to remove the arbor belts which is necessary to replace the Alternator or Transmission belts. Just remove belts from the motor sheave temporarily, they will be put back in place after Alternator or Transmission belts have been replaced. This step is not necessary to adjust the the alternator belt.
- This step has to be performed before the alternator belt can be replaced. Once the previous step is completed to replace the transmission belt lift up on the idler wheel (*Figure 15A*) for location and remove the belt from either the motor or transmission sheave and then the other end. Reverse this procedure to replace the transmission belt. No adjustment is necessary, the idler wheel provides proper tension for the transmission belt.
- To replace the alternator belt the previous steps have to be performed first. Once previous steps are completed loosen the alternator adjust bolt (*Figure 15B*) and move the alternator towards the electric motor. It might be necessary to loosen the bolt at the base of the alternator so it moves freely. Remove the belt from the alternator and motor sheaves. Replace the belt and tighten by reversing this procedure.
- Reverse all previous procedures to connect and tension all belts that have been replaced. It would be advisable to replace both the alternator and transmission belts at the same time because of having to remove all six of the arbor belts to complete the process, or, check the alternator and transmission belts when replacing the arbor belts. If they look worn replace them at that time.

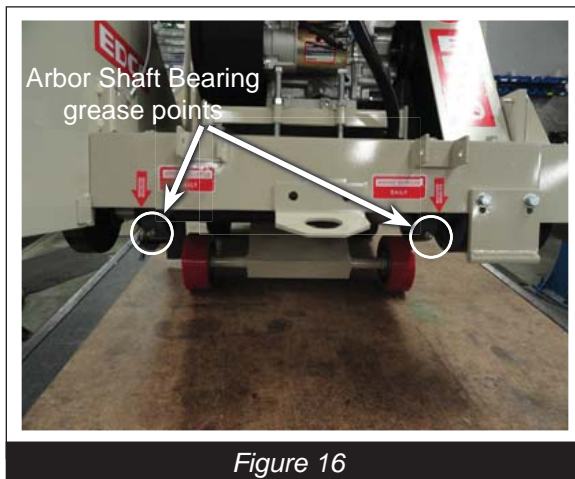
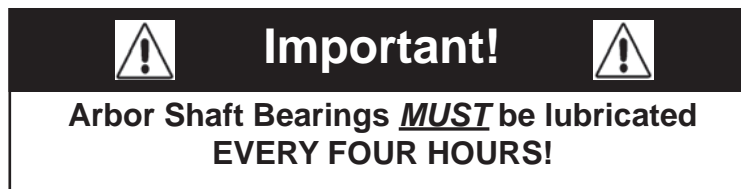
To replace belts or change Blade Size

- The model SS26-31D and SS36-57D are heavy duty saws designed to use large diameter blades for deep cutting. SS26-31D - blade size 14 inch to maximum diameter of 26 inches (66cm). SS36-57D - blade size 14 inch to maximum diameter of 36 inches (92cm). (Figures 10 thru 15)
- To use smaller diameter blades, the sheaves and belt sizes must be changed. Refer to chart for belt sizes and sheave diameters. In addition, both the backing plate and retaining cap may have to be changed to correspond with the blade size.
- Remove belt guard and arbor guard. Loosen engine mounting bolts and jam nuts, turn jacking bolts to lower engine (Figure 10 thru 15) to a point where the belts can be removed. Remove jackshaft belt on SS36-57D first to gain access to arbor shaft belts.
- Remove transmission belt from the engine sheave, (SS26-38K, SS36-57D and SS26-31D only, Figures 11 & 13 respectively), on the SS36-57D remove the jackshaft belt, the transmission belt does not have to be removed.
- Remove the blade backing plate. (Blade size change only)
- Use proper tools to remove sheaves from the arbor shaft and the engine stub shaft. (Blade size change only)
- Using the chart below place the proper sheave on the arbor shaft and the engine stub shaft in the order they were removed. Using a straight edge align sheaves, tighten any bolts or set screws that were removed or loosened. (Blade size change only)
- Reverse this procedure to install the belts and follow instructions on adjusting the belt tension. 70 ft. lbs. of deflection at the center between the sheaves, is recommended.
- Once all hardware is in place and the belts are tensioned install the belt guard securing with supplied hardware. Remember to retension new belts after four hours of use, then as necessary.
- Remember: Belts should swell as they wrap around the pulley. If they squeeze down or are slick with shredded edges replace immediately. Proper power transfer cannot be achieved under these conditions.

MODEL	BLADE SIZE	ENGINE SPEED (RPM)	BLADE SPEED (RPM)	ENGINE SHEAVE DIA.	ARBOR SHEAVE DIA.	ARBOR BELT SIZE	TRANS. BELT SIZE
SS26-31D	30"	2800	1925	3.65"x6 GR.	5.30"x6 GR.	3VX500	A55
	24-26"	2800	2125	3.65"x6 GR.	4.80"x6 GR.	3VX500	A55
	18-20"	2800	2150	2.80"x6 GR.	3.65"x6 GR.	3VX475	A55
	14-16"	2800	2800	3.65"x6 GR.	3.65"x6 GR.	3VX475	A55
SS36-57D	30-36"	2800	1675	3.35"x9 GR.	5.60"x9 GR.	3VX530	AX38*
	24-26"	2800	1975	3.35"x9 GR.	4.75"x9 GR.	3VX530	AX38*
	18-20"	2800	2350	4.00"x9 GR.	4.75"x9 GR.	3VX530	AX38*
	14-16"	2800	2800	4.00"x9 GR.	4.00"x9 GR.	3VX530	AX38*

* Jackshaft belt is required AX38

MODEL	BLADE SIZE	ENGINE SPEED (RPM)	BLADE SPEED (RPM)	ENGINE SHEAVE DIA.	ARBOR SHEAVE DIA.	ARBOR BELT SIZE	TRANS. BELT SIZE
SS26-38K	30"	3600	1900	2.80"x6 GR.	5.30"x6 GR.	3VX450	A55
	24-26"	3600	2100	2.80"x6 GR.	4.80"x6 GR.	3VX450	A55
	18-20"	3600	2100	2.80"x6 GR.	4.80"x6 GR.	3VX450	A55
	14-16"	3600	2750	2.80"x6 GR.	3.65"x6 GR.	3VX425	A55



Grease Bearings - (12 Total)

Arbor Shaft Bearings (2) **must** be greased every 4 hours.
(Figure 16)

All other Bearings (8/10) must be greased every 40 hours.

Those include:

Front Wheel Bearings (2), Fork Assembly Bearings (2)
Rear Drive Wheel Bearings (2), Clutch Sprocket Bearings (2)
Jack Shaft on SS36-57D (2)

Hydraulic Fluid Flow Controls: (Figure 17)

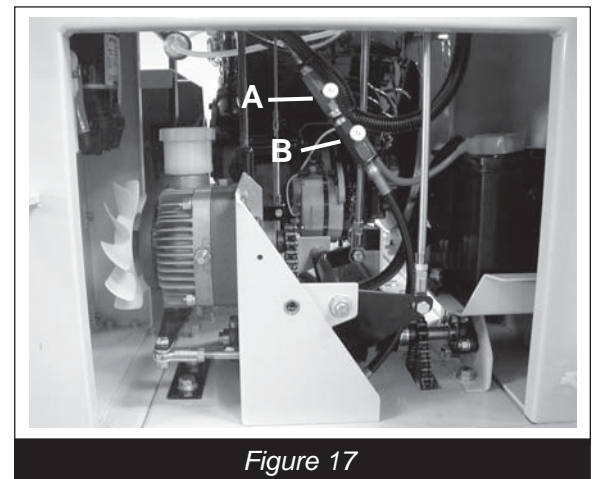
A - Blade Lowering Control Valve - RED

To readjust:

- Loosen lock nut 1/4 to 1/2 turn
- Turn knob
counter clockwise = faster movement
clockwise = slower movement
- Retighten lock nut **DO NOT OVER TIGHTEN**

B - Blade Raising Control Valve - BLACK

Adjust same as above if necessary.



Transporting the Saw:

WARNING

Extreme care must be taken when loading or unloading this machine.

- When hoisting this machine, use the built-in hoisting bar. Use proper hoisting equipment and techniques.
- Remove the blade before transporting or hoisting.
- Do not transport the saw with the engine running.
- Be certain the area surrounding the machine is clear of personnel before hoisting.

Installing Blades:

WARNING

Inspect all blades carefully before installing especially if previously used. Check for cracks, loose segments and oversize, worn, or out-of-round arbor holes. Do not use **any** questionable blade since serious personal injury and/or damage to property can result. Do not use warped, twisted, or out-of-balance blades. Unbalanced blades will wear excessively, vibrate and damage both arbor shaft and bearings.

WARNING

For safety reasons, EDCO **does not** recommend the use of any abrasive blades. Abrasive blades can break and cause serious personal injury to operator and/or bystanders. If abrasive blades are used by choice, only use those which are marked as *reinforced* abrasive blades.

- Make sure you have the proper blade for the job. Determine the hardness and composition of the slab. Give your supplier complete information including whether re-bars are present, the desired depth of the cut, and the length of the cut. If in doubt, contact the blade manufacturer. Never exceed the maximum operating speed of the blade. Be sure to match the blade speed rating with the arbor shaft speed on the machine.

WARNING



Do not remove or lift the bladeguard until blade has stopped moving completely and the engine/motor is turned off.

Changing Blades:



Figure 18

- Remove blade guard, blade retaining bolt and internal tooth lock washer. (Figure 18)
- Carefully remove blade with blade retaining cap in place. Once blade and blade retaining cap are removed from machine remove blade retaining cap from blade.
- Clean the arbor shaft, backing plate, and blade retaining cap and inspect for damage or wear. Make sure the blade retaining bolt threads are clean and undamaged, see (Figure 21). If any damage is detected, consult Discount-equipment.
- Carefully place blade retaining cap on blade with drive pin aligned in drive pin hole on blade, turn blade until the drive pin lines up with the drive pin hole in the backing plate. (Figure 21) Do not use a blade without a drive pinhole.
- Fit the blade retaining bolt and internal tooth lock washer, retighten the bolt using the two 1 1/2" - 5/8" combination wrenches which were supplied with the machine. (Figure 19)
- Secure the blade guard to the machine before starting engine/motor.

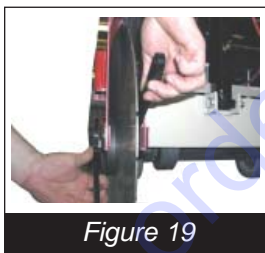


Figure 19



Figure 20

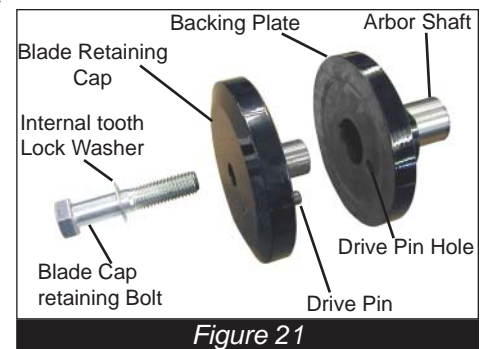


Figure 21

Follow Engine Manufacturer's Maintenance Schedule	Before Each Operation	Every 4 Hours	Daily	Every 40 - 50 Hours of Operation	Weekly	As Required
**Visual Inspection of Entire Machine	X					
**Inspect Blade	X					
**Inspect Arbor Shaft	X					
*Check Engine Oil	X					
**Grease <u>Arbor Shaft</u> Bearings		X				
*Clean Air Filter Element			X			
**Grease Remaining Bearings				X		
*Change Engine Oil & Filter (Sooner if necessary)				X		
#Check Transmission & Hydraulic Fluid Levels (Fill if necessary)				X		
***Clean Water Strainer					X	
**Inspect Drive Chains (Lubricate Weekly)					X	X
*Replace Fuel Filter (None on Propane)						X
**Inspect Belts (Tension after the first 4 hours of operation, then as needed) Tension to 70 ft. lbs. of deflection						X

All of the above apply to Gasoline, Propane and diesel models
 # Hydrostatic Transmission Reservoir - Fill with GM Dexron B or other comparable fluid
 Hydraulic Pump Reservoir - Fill with Dexron III
 **# These Apply to SS26-E

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