



## Operator's Instruction Manual

# TS-14



**14" ELECTRIC SELF PROPELLED TILE STRIPPER**



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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 machine 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 85db). 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.



# Operator's Instruction Manual

## TS-14

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NOTE: Due to improvements your machine may not appear the same as the pictures in this manual.

**Figure 1**

Specifications & dimensions are for reference only and subject to change.		
Length (L)	35.4"	91.44 cm
Width (W)	15"	39.40 cm
Height (H)	43.3"	109.22cm
Total Weight	513 lbs.	232 kg

Noise level lwa - 99 dB(A)  
 Noise level leq - 87 dB(A)



Read and understand all operating instructions  
before operating this equipment.



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



## Safety Guidelines



Eye and ear protection must be worn at all times while the TS-14 is in use. During normal operation, sound pressure levels less than 85dBA. Use only ANSI approved safety glasses to help prevent eye injury. Everyday eyeglasses have only impact resistant lenses; they are NOT safety glasses.



Operator must wear appropriate clothing and footwear. Do not wear loose clothing or jewelry that can get tangled in moving parts. Footwear should provide sure footing and protection.



Materials being removed can be toxic or hazardous. A breathing respirator is required to help protect the operator from inhaling the airborne material when operating this machine.



This is an electric tool. Do not use in a damp or wet location. Death or serious injury will result from electric shock.



While the TS-14 uses standard household current, use only grounded extension cords appropriately sized for the current draw requirements of this unit (16.9 amps/110 volts). Check the data plate on the machine to be sure. Be sure to account for voltage drop based on the length of the cord. (Use 12/3 AWG up to 50 ft and 10/3 AWG up to 100ft. If working over 100ft. from the power source consult with an electrician.) Insufficient power will cause the motor to overheat and burn out. Never use frayed, damaged, taped, or underrated extension cords. Death or serious injury can result from electrical shock. Do not let the cord contact hot or sharp surfaces that can cause damage. The TS-14 is equipped with a power on indicator lamp located on the top of the switchbox. If the lamp fails to light have a certified electrician check the power source and make sure the appropriate size extension cord is being used.



If the motor stops for any reason unplug power cord at the machine before investigating the problem. The power may unexpectedly be restored while you are away from the machine. For the same reason, unplug the power cord at the machine before performing any maintenance. Never leave the machine running unattended. Serious injury and/or damage to the equipment could result.

- **Remove the blade before transporting or hoisting the TS-14.** The TS-14's blade is very sharp and can cause serious bodily injury, damage to any surface it contacts, and or damage to the machine and blade.
- The TS-14 is designed to be controlled by a single operator.
- Never operate the TS-14 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 decals on the machine can be clearly read and understood. Replace worn or missing decals immediately.

Safety warnings and guidelines do not by themselves eliminate danger.

They are not given as substitutes for proper accident prevention procedures and good judgement.



## Operating Instructions

- A) Switchbox
- B) Adjustable Weight
- C) Drive Motor
- D) Drive Wheels (inside)
- E) Head Motor
- F) Blade Retainer

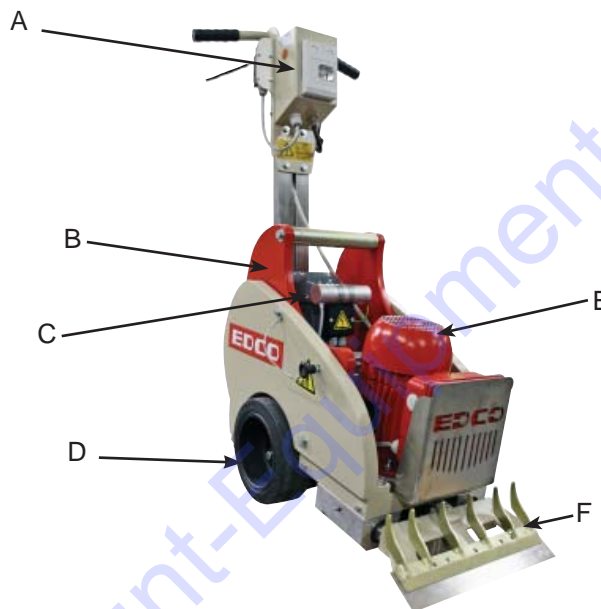


Figure 2

### About the TS-14:

- The TS-14 is a low maintenance unit, designed to remove coverings on dry floors. Examples are carpets, tiles, parquet, vinyl, coatings or paint. (Note: for some ceramic tile the blade retainer has to be removed and a special blade kit is installed). The TS-14 may be used on concrete and/or wood surfaces and operates on standard household current. Do not use the TS-14 for any purpose other than that for which it was designed. Do not modify the machine.

### Before Starting:

- Inspect the work surface for cracks, uneven joints and foreign objects such as nails, screws and pipes. Damage to the blade and/or equipment may result, which can also cause serious injury to the operator. Hazardous areas should be properly identified, clearly marked and avoided.
- Be sure the power switch is in the OFF position. Inspect the power and extension cords before plugging into the power source. Do not use if cord is frayed or showing wear.



Inspect the blade carefully before installing. Blade must be sharp and properly installed. (See page 6) Use only genuine EDCO blades. Do not use **any** questionable blade since serious personal injury and/or damage to property can result. **NOTE: BLADE IS EXTREMELY SHARP!** Wear heavy duty work gloves when changing or handling the blades and handle with care.

- If you need to make a test cut, do it in an inconspicuous area.
- On carpet and sheet floors, pre-cut the material to be removed in a strip as wide as the blade.
- **NOTE:** A special insert is required for ceramic tile removal.

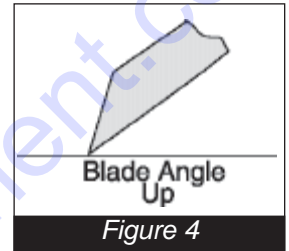




## Cutting:

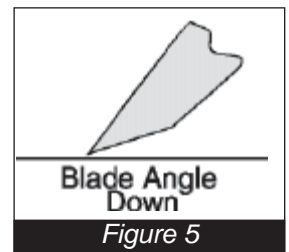
### Concrete Base:

- Generally, on concrete based floors, the bevel on the blade should be facing up. (Figure angle exaggerated).
- If removing tile from a concrete base, work diagonally on the tile surface.
- Use only 2/3rds width of blade on each pass. Removing an excessive amount of material could damage the equipment.



### Wood Base:

- Generally, on wooden based floors, the bevel on the blade should be facing down. (Figure 5 - angle exaggerated).
- Remove material in the direction of the wood grain to minimize gouging.  
**NOTE: Some gouging is unavoidable and will occur.**
- Use only 2/3rds width of blade on each pass. Removing an excessive amount of material could damage the equipment.



## Changing the Blade:

**CAUTION**



**Blades are extremely sharp! For your own protection - wear heavy duty work gloves when changing or inspecting blades.**



Figure 6

- Unplug machine from power source. Lock the center weight in the rear position. Use the appropriate tools & techniques to remove the blade to minimize the chance of the wrench slipping. Tilt machine back to rest in a stable position to access hardware on bottom of striker plate (Figure 6).
- Loosen but do not remove the bolts shown in (Figure 6) from the bottom side of the striker plate.
- Inspect the new EDCO blade and observe blade angle as in (Figures 4 & 5) above.
- Carefully slide the old blade out and replace with the new EDCO blade or rotate blade if changing surfaces. Tighten bolts. Observe blade angle as in (Figures 4 & 5) above.
- Be sure the blade is secure before plugging the TS-14 back into the power source.



## Machine Operation:

- Make sure the power switch on the machine is in the OFF position before proceeding. Plug the machine into an electrical outlet. The blade drive starts as soon as the machine is switched on by pressing the black button. The forward drive unit starts by squeezing the deadman lever. Push the handle forward to engage the drive wheels. The drive lever can be locked in the moving position by stepping on the foot lever at the bottom of the handle. Return to neutral by lifting foot lever with your toe.



Neutral



Locked



### ADJUSTING THE HANDLE

- The height of the handle bar can be adjusted to adapt to the operator. Loosen the clamping lever handles at the base of the handle bracket. Raise or lower to suit. Retighten after adjustment.





Repairs are to be done by authorized EDCO Dealers only.



Read and follow instructions in the engine owner's manual.

## Maintenance



Disconnect the power source *at the machine* and *remove blade* before performing any maintenance.

- All maintenance should be performed regularly and by qualified personnel only.
- Lubricate the wheel bearings from time to time with an occasional drop or two of light oil to prevent binding.
- Keep the TS-14 clean.
- Be sure the safety decals are readable and properly maintained on the machine.

Quick Reference For Maintaining the TS-14	Before Each Operation	After Each Use	As necessary
Visual Inspection of Machine and Power Cord	X		
Inspect Blade	X		
Clean dust, dirt and mastics from machine		X	
Grease Striker Plate Driver Shaft Bearings (2 ea)			X

*2 pumps every 2 months*

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