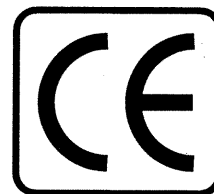
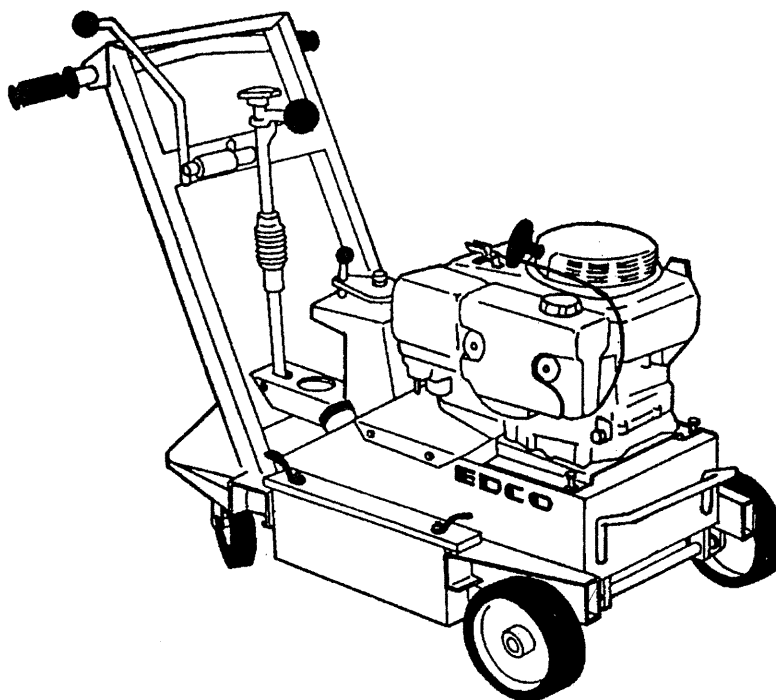


OPERATION INSTRUCTION MANUAL

TRAFFIC LINE REMOVER

Model TLR-7



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Printed in USA
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READ AND UNDERSTAND THE INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING TO OPERATE THIS EQUIPMENT.

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



SAFETY MESSAGES

The safety instructions are preceded by a graphic alert message of DANGER, WARNING or CAUTION.



A safety instruction that advises that death or serious injury will result if instructions are not followed and caution exercised.



A safety instruction that advises that death or serious injury can result if instructions are not followed and caution exercised.



A safety instruction that advises that injury could result if instructions are not followed.

PLEASE FILL IN INFORMATION AND SAVE

Date of Purchase _____

Name of Machine _____

Model # _____

Serial # _____

Belt Size(s) _____

WARNING

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

GASOLINE POWERED EQUIPMENT



The engine exhaust from this product contains chemicals known, in certain quantities, to cause cancer, birth defects or other reproductive harm.



Do not operate gasoline powered equipment without adequate ventilation. Carbon monoxide is an invisible, odorless gas that can kill.



ELECTRIC POWERED EQUIPMENT



ELECTRICAL HAZARD - Be sure equipment is properly grounded. Failure to comply could kill or result in serious injury.



TABLE OF CONTENTS

2	Safety & General Instructions
3	Operators Controls
4	Operators Instructions
5-6	Instructions to Change Cutters
7	Maintenance Instructions
Back Cover	Warranty Information



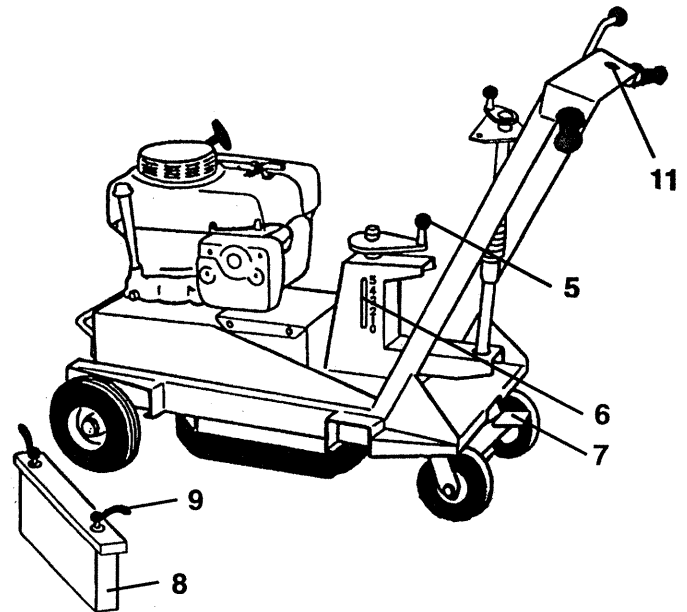
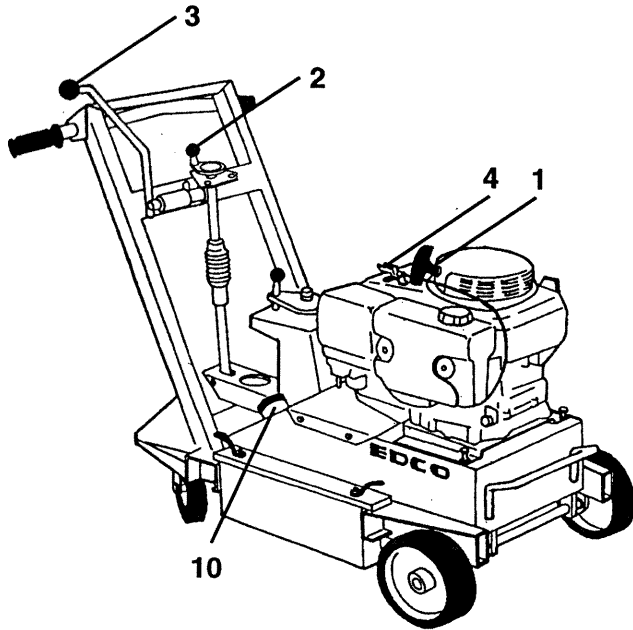
GENERAL INSTRUCTIONS



1. Read and understand the instructions, including the engine manual. Different models may have different parts and controls.
2. 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.
3. This is a one person tool. Maintain a safe operating distance to other personnel.
4. This equipment is intended for commercial use.
5. For the operators safety and the safety of others, always keep all guards in place during operation.
6. Never let equipment run unattended.
7. Do not lend or rent equipment without including the operation instructions for the machine and the engine.
8. Wear proper attire including safety shoes, hard hat (when appropriate for the job), hearing protection, non-fogging vented safety goggles or face screen and dust respirator (when dry cutting).
9. Keep body parts and loose clothing away from moving parts. Failure to do so could result in dismemberment or death.
10. Do not modify the machine. Use only genuine EDCO parts and accessories. Repairs and service should be performed by approved EDCO dealers/repair technicians.
11. Stop engine/motor when adjusting, servicing or fueling.
12. Gasoline is extremely flammable and poisonous. It should only be dispensed in well ventilated areas, and with a cool engine.



OPERATING CONTROLS



Read the operating instructions completely before starting this equipment

1. ENGINE PULL START

- Be sure engine spins freely.
- Firmly grasp handle and slowly pull until resistance is felt.
- Pull quickly to start engine.

2. ADJUSTABLE DEPTH CONTROL

- For controlled penetration
- Turn hand wheel clockwise to raise cutter head.
- Turn hand wheel counterclockwise to lower cutter head.

3. CUTTER HEAD ENGAGING LEVER

- Lower lever to engage cutter head assembly to begin cutting action.
- Raise lever (as shown) to remove cutter head assembly from surface to stop cutting action instantly.
- Depth of cut depends on setting of depth control (#2).
- Engaging lever will always return cutter head to pre-selected depth.

4. THROTTLE LEVER

- Pull the throttle lever back to the wide open position to activate the automatic choke. After the engine starts, close throttle slightly disengaging the automatic choke and obtain maximum engine RPM for the most efficient cutting action.
- Push throttle lever forward to obtain idle RPM of engine. Centrifugal clutch will disengage at idle.
- Push throttle lever forward all the way to stop engine running.

5. PRESSURE CONTROL ADJUSTMENT

- Turn hand wheel clockwise to increase pressure on the cutter head assembly for more aggressive cutting action.
- Turn hand wheel counterclockwise to decrease pressure on the cutter head assembly for less aggressive cutting action.

6. PRESSURE INDICATOR

- High numbers - more pressure.
- Lower numbers - less pressure.

7. KICKSTAND

- Kickstand serves as a brake to prevent TLR-7 from rolling freely.
- To engage kickstand, place foot firmly on top pedal of kickstand extending from rear of the machine and step down until kickstand raises frame and rear wheels from ground contact.
- To disengage kickstand, depress kickstand "release" pedal.

8. REMOVABLE WEIGHTS

- 22 kg (45 lbs.) each

9. TAIL NUT

- Loosen only to remove. Do not remove handles completely.

10. VACUUM PORT

11. ENGINE STOP SWITCH

NOTICE:

Due to improvements and changes in the equipment, the illustrations shown be slightly different from the actual machine. If you have questions, contact EDCO with the serial and model number.



OPERATING INSTRUCTIONS

Read and understand these instructions completely before starting or using machine.



1. The operator must wear appropriate clothing and footwear, eye and ear protection must also be worn at all times while machinery is in use.



2. Obtain engine manual, read and understand before continuing. Note: Oil is required on a new machine; they are shipped without oil and gasoline. Follow the engine manual for break-in Instructions.
3. Engage kickstand (#7) prior to start-up of machine. This lifts the cutter head free of surface and applies the machine brakes.
4. Before starting, check that cutter head engaging lever (#3) is in the disengaged position. When the engaging lever is disengaged it will be resting against the top plate of the handlebars.
5. Pull Throttle (#4) control wide open. When throttle is in the wide open position the automatic choke is activated.
6. Put engine stop switch (#11) in the run position.




POISONOUS EXHAUST GAS

Do not operate gasoline powered equipment without adequate ventilation.



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

7. Start engine (only in a well ventilated area). Follow directions in the engine manual. 
8. After engine starts, close the throttle (#4) slightly to disengage the automatic choke.
9. Raise the cutter to the full up position by lifting the lock pin then turning the adjustable depth control (#2) clockwise.
10. Disengage kickstand (#7). The surface must be level for safe operation.
11. Move TLR-7 into position where work will be performed.
12. Lower cutter head lever (#3*). This is done by pushing it forward while grasping it firmly for a controlled

lowering of the cutters.

13. Turn the depth control (#2) counterclockwise until the desired depth of penetration is achieved. Once adjusted the operator can engage and disengage the cutters with the cutter head lever (#3) and the cutters will return to the preset depth.

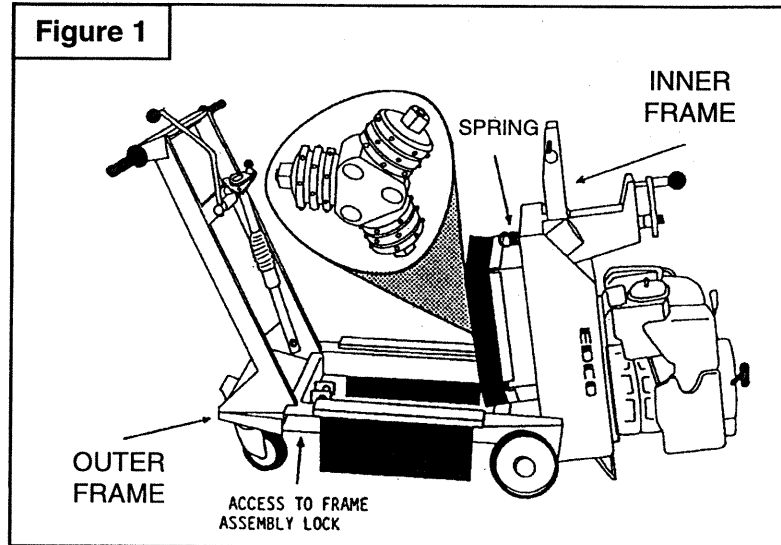


Never drop the cutters into the work by releasing the cutter head lever (#3). Grasp the lever firmly to maintain a controlled raising/lowering of the cutters.

14. The last adjustment is the pressure control adjustment (#5). Depending on the material to be removed, the operator can increase or decrease the tension of the cutting head to provide a more or less aggressive cutting action.
15. Adjustment of the pressure control is monitored by the pressure indicator (#6).
16. For dust control use the Vacuum Port (#10) with an appropriately sized EDCO Vacuum system. Contact your EDCO Dealer for more information.
17. The EDCO Traffic Line Remover (TLR-7) is an easily operated, highly efficient machine which can be operated forwards or backwards. It was designed to be used at a very slow walking pace.

***Floating Head Feature** - The TLR-7 is designed to allow the cutter to float during removal operation. Maximum movement is 3/4 inch. The pressure control adjustment determines how tightly the cutter head is held against the road surface - depth of cut is controlled by depth control adjustment. To override the floating head feature - lower the engaging lever and turn the depth control in the "down" position until the cutter head is locked at the cutting depth desired. In this position, the pressure adjustment setting will not have any bearing on the cutting action and cutting action will be extremely aggressive.

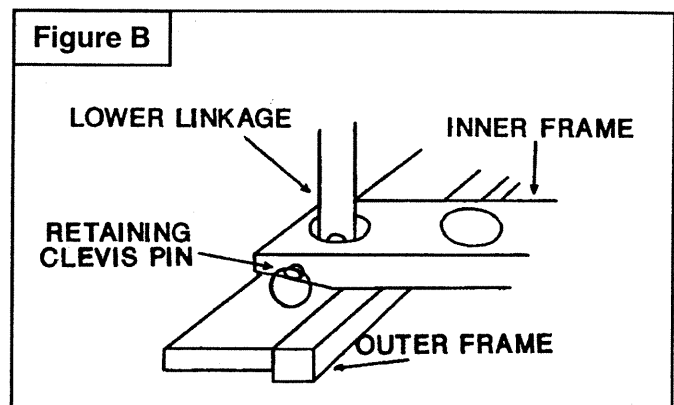
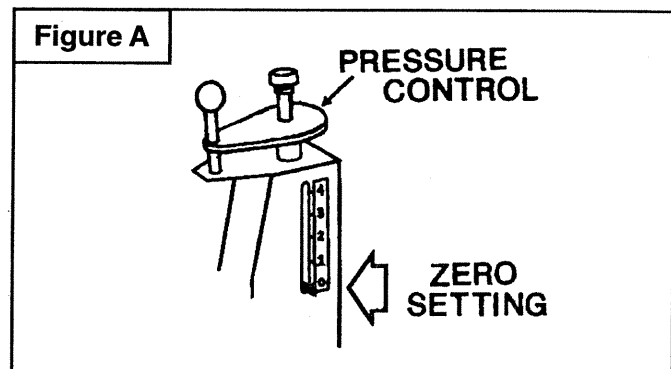
INSTRUCTIONS TO CHANGE CUTTERS ON TLR-7

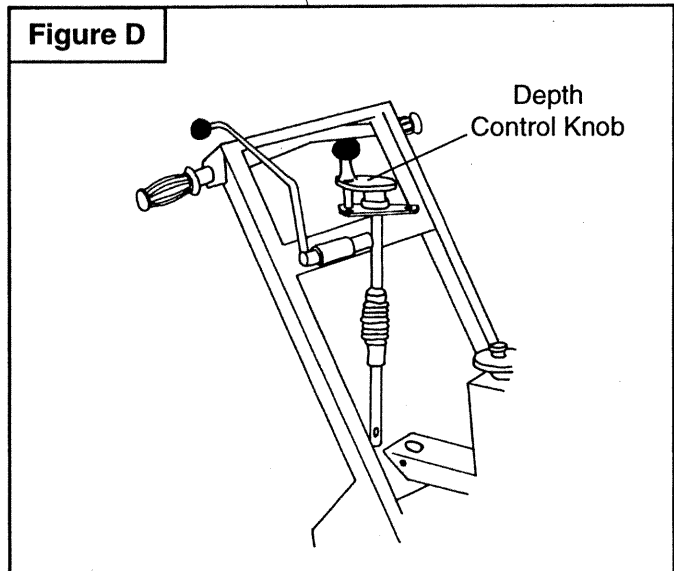
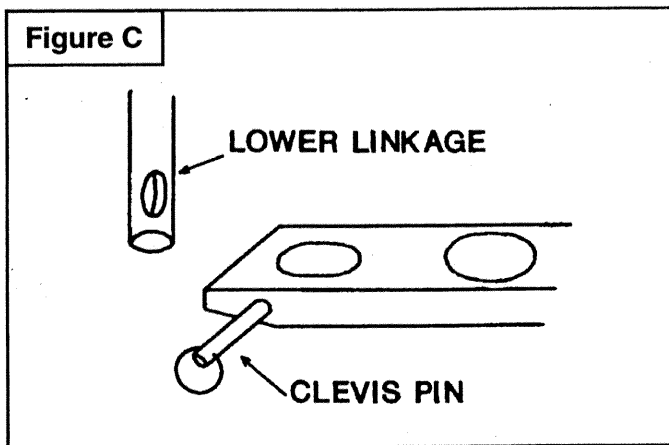


1. STOP engine and disconnect the spark plug lead.
2. Determine quantity of gasoline in tank - drain tank, if more than 1/2 capacity is present (a drain spout with shut off valve has been installed in fuel line - be sure valve is closed after draining fuel).

DANGER Do not allow gasoline to come in contact with hot engine parts.

3. Turn pressure control until indicator is at "0". Arrow on pressure control handle indicates direction handle must be turned. This action releases tension from main pressure control spring (refer to figure A).
4. Lower disengage lever - inner frame should be fully lowered and resting on outer frame. You may have to turn depth control knob in down direction a few turns. Note: Cutter assembly should be resting on road surface (refer to figure B).
5. Pull retaining clevis pin free from lower linkage. Allow clevis pin to remain attached to frame to act as a lifting handle (refer to figure C).





6. Grasp depth control knob and lift (refer to figure D). Entire depth control assembly should move up freely allowing lower linkage to lift clear of inner frame. Move lower linkage toward rear of machine out of the way of the inner frame.

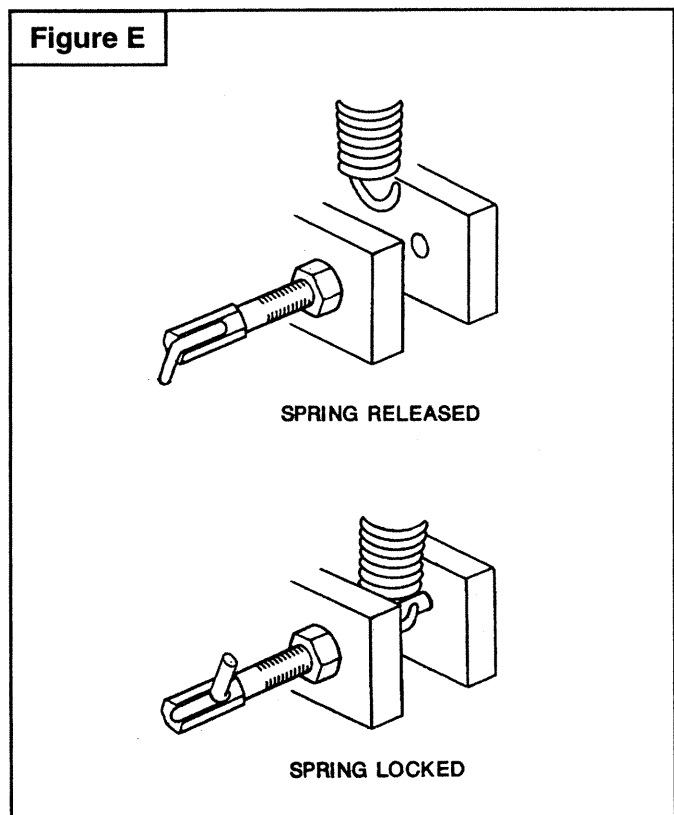
7. **UNLOCKING INNER FRAME ASSEMBLY:** Inner frame assembly is held against outer frame by the pressure control spring - a spring loaded latch retains the spring. To release pressure spring reach behind the black steel weight and in front of the rear casters (right side operators position) - half way under outer frame, locate lock latch, pull pin back, turn 90° and release. Pin should catch in released position and remain that way until frame is to be relocked (refer to figure E).

8. Grasp clevis pin (partially held in inner frame - refer to figure C). Lift frame up and pivot forward until inner frame is 90° to outer frame and is resting on front bumper.

9. Remove, change, or replace cutters.

10. After the cutters have been replaced, reverse steps #8 #7 #6 #5 #4.

11. Double check to be sure that pressure control spring is latched in position. To determine, attempt to lift inner frame - it should resist your efforts. Reposition lower linkage - push clevis pin through lower linkage and through inner frame until it is securely seated. Turn pressure control knob to setting #1 (refer to figure A). Lift disengage lever. Reset depth control knob. Reconnect the spark plug lead. Resume line removal by following the operating instructions on page 4.



MAINTENANCE INSTRUCTIONS

1. Remove spark plug lead before carrying out any maintenance.
2. Refer to the engine manual for engine maintenance.
3. Follow the maintenance schedule below, maintenance should be performed regularly by a qualified person.
4. If the machine will not be used for an extended period, drain gasoline.



Repairs are to be done by authorized EDCO Dealers only.



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

MAINTENANCE SCHEDULE

	Before Operation	Every 4 Hours	Daily	Every 50 Hours of Operation	As Required
Visual Inspection of Entire Machine	X				
Check Engine Oil	X				
Change Engine Oil (Refer to engine manual)				X	
Clean Air Filter Element			X		
Grease Cutter Assembly Bearings		X			
Inspect Drive-Belts	X				
Belt Tensioning					X
Grease Wheel Bearings			X		
Clean Dust & Dirt Off machine			X		

LIMITED EQUIPMENT WARRANTY

Equipment Development Company, Inc. herein referred to as EDCO warrants that each new unit manufactured by EDCO to be free from defects in material and workmanship in normal use and service for a period of (1) one year (except in the case of the cutter drum assembly on all model concrete asphalt planes, in which case the warranty period shall be 90 days) from date of shipment to the original retail or equipment rental center owner.

EDCO will, at its option, repair or replace, at the EDCO factory or at a point designated by EDCO any part, which shall appear to the satisfaction of EDCO inspection to have been defective in material or workmanship.

This warranty, does not apply to failure occurring as a result of abuse, misuse, negligent repairs, corrosion, erosion, normal wear and tear, alterations or modifications made to the product without express written consent of EDCO: or failure to follow the recommended operating practices and maintenance procedures as provided in the products operating and maintenance manuals.

This warranty does not obligate EDCO to bear any transportation charges in connection with the replacement or repair of defective parts. This warranty does not obligate EDCO to bear any expense for travel time or of personnel in correction with any service calls.

Accessories or equipment furnished and installed on the product by EDCO but manufactured by others, including but not limited to engines, motors, electrical equipment, transmissions, etc., shall carry the accessory manufacturers' own warranty.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, OR STATUTORY, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.

LIABILITY LIMITATIONS

The remedies of the user set forth under provisions of warranty outlines above are the exclusive and total liability of EDCO with the respect to their sale or the equipment and service furnished hereunder, in connection with the performance or breach thereof, or from the sale, delivery, installation, repair or technical direction covered by or furnished under the sale, whether based on contract, warranty, negligence, indemnity, strict liability, or otherwise shall not exceed the purchase price of the unit of equipment upon which such liability is based.

EDCO will not in any event be liable to the user, any successors in interest or any beneficiary or assignee relating to this sale for any consequential, incidental, indirect, special or punitive damages arising out of this sale or any breach thereof, or any defects on, or failure of, or malfunction of the equipment under this sale based upon loss of use, lost profits or revenue, interest, lost goodwill, work stoppage, impairment of other goods, loss by reason of shutdown or non-operation, increased expenses of operation of the equipment, cost of purchase or replacement power of claims of users or customers of the user for service interruption whether or not such loss or damage is based on contract, warranty, negligence, indemnity, strict liability, or otherwise.

EDCO reserves the right to modify, alter and improve any part or parts without incurring any obligation to replace any part or parts previously sold without such modified, altered or improved part or parts.

No person is authorized to give any other warranty or to assume any additional obligation on EDCO's behalf unless made in writing and signed by an officer of EDCO.

Equipment Development Company, Inc.

USE ONLY GENUINE EDCO PARTS AND ACCESSORIES

For your own safety, the safety of others and the life of your machine

