TRENCH'N edge™

Rotary Trencher

OPERATOR'S MANUAL
MAINTENANCE MANUAL
PARTS LIST

Manufactured By:

For The Edge, Inc

8028 Hill Trail Road
Lake Elmo, MN 55042-9534 U.S.A.

WARNING - IF INCORRECTLY USED, THIS MACHINE CAN CAUSE SEVERE INJURY. OPERATORS OF THIS MACHINE SHOULD BE TRAINED IN ITS PROPER USE, WARNED OF ITS DANGERS, AND SHOULD READ THE ENTIRE MANUAL AND THE MACHINES WARNING DECALS BEFORE ATTEMPTING OPERATE OR SERVICE THIS MACHINE.

Manual Number 15043

CAUTION

DO NOT START ENGINE!!

CHECK THE ENGINE FOR PROPER OIL LEVELS!!

Shipping regulations in certain areas restricts the shipment of equipment containing oil and gasoline. The engine in your TRENCH'N edge may have been shipped from the factory without oil in the engine crankcase. See the lubrication instructions in the engine manufactures engine manual and chassis lubrication instructions in the Lubrication section of this manual.

Table of Contents

Serial Number Record

Record the information from the serial number plate of your machine.
It may be necessary to furnish your Model, Serial Number and Engine Serial Number when ordering parts.

TRENCH'N edge

Model _____

Serial Number _____ Engine Serial Number _____

Date Purchased _____ Purchased From _____

Registered Trade Marks

TRENCH'N edge is a registered trademark of *For The Edge, Inc.*
Rock-E-Vader is a registered trademark of *For Thr Edge, Inc.*

Specifications for the Landscape & Irrigation Model (9HP)

Description and Intended Use: The TRENCH'N edge Landscape & Irrigation Model is a gasoline powered trencher. It is designed to be pulled along a planned path at properly prepared worksite. Its purpose is to dig a shallow trench for use in residential and commercial landscape construction. The trench is dug 5" inches wide at a variable depth to 6" inches deep. Optional equipment can be installed to change the trench size to 2-1/2" inches wide with a variable depth to 7" deep. The trench is used for the placement of brick edging, plastic edging, lawn irrigation components, low-voltage landscape lighting, or footings for small landscaping walls. Never use the TRENCH'N edge for any use it is not intended or designed for.

Engine	9 HP
Operating Speed	Up to 25 Feet Per Minute, (7.62 Meters Per Minute) Varies With Ground Conditions
Trench Size	Up to 5" Wide x 6" Deep (12.7 cm x 15.24 cm)
Optional Trench Size	When equipped with the optional 2" chuck (part number 15003) the trench size changes to 2-1/2" inches wide by a maximum of 7" inches deep.
Trencher Teeth	Up to 8 Replaceable Carbide Tips. Mounted in Forged Holders
Discharge	Right or Left Hand Side - Displaced Soil Can Be Discharged Into or Out of Beds, From Either Direction
Drive	Double V-Belt With Idler Clutch
Dimensions:	
Length	60" Inches (1.52 Meter)
Width	25" Inches (0.635 Meter)
Height	30" Inches (0.762 Meter)
Weight	225 Pounds (102.1 Kg)
Shipping Weight	275 Pounds (124.7 Kg)
Shipping Dimensions	58" x 25" x 30", 25.2 Cubic Feet (1.47 Meter x 0.635 Meter x 0.762 Meter, 0.714 Cubic Meters)

Specifications for the Irrigation & Deep Drain Tile Model (13HP)

Description and Intended Use: The TRENCH'N edge Irrigation & Deep Drain Tile Model is a gasoline powered trencher. It is designed to be pulled along a planned path at properly prepared worksite. Its purpose is to dig a shallow trench for use in residential and commercial Irrigation construction. The trench is dug 2-1/2" inches wide at a variable depth to 12" inches deep. Optional equipment can be installed to change the trench size to 1-3/4" inches wide with a variable depth to 12" deep. The trench is used for the placement of lawn irrigation components, low-voltage landscape lighting, or drain tile. Never use the TRENCH'N edge for any use it is not intended or designed for.

Engine	13 HP
Operating Speed	Up to 20 Feet Per Minute, (6.1 Meters Per Minute) Varies With Ground Conditions
Trench Size	Up to 2-1/2" Wide x 12" Deep (6.35 cm x 30 cm)
Optional Trench Size	When equipped with the optional narrower chuck the trench size changes to 1-3/4" inches wide by a maximum of 12" inches deep.
Trencher Teeth	Up to 8 Replaceable Carbide Tips. Mounted in Forged Holders

Discharge	Right or Left Hand Side - Soil Can Be Discharged Either Direction
Drive	Double orTtriple V-Belt With Idler Clutch
Dimensions:	
Length	70" Inches (1.77 Meter)
Width	25" Inches (0.635 Meter)
Height	38" Inches (0.96 Meter)
Weight	345 Pounds (124.7 Kg)
Shipping Weight	410 Pounds (154.3 Kg)
Shipping Dimensions	72" x 25" x 40", 41.7 Cubic Feet

WARNING

The Engine Exhaust From This Product Contains Chemicals Known to the State of California to Cause Cancer, Birth Defects or Other Reproductive Harm.

How To Obtain Parts and Service

To order parts, or to arrange repair service, contact the nearest authorized TRENCH'N edge dealer. For additional information regarding the TRENCH'N edge, direct inquiries to:

For The Edge, Inc.
8028 Hill Trail N
Lake Elmo, MN. 55042-9534

Telephone (651) 777-7923
FAX (651) 770-9430
www.trenchnedge.com
ped@trenchnedge.com

To ensure safety and proper operation, always purchase genuine TRENCH'N edge replacement parts from an authorized TRENCH'N edge dealer. Replacement parts from other sources may damage the TRENCH'N edge and/or create a safety hazard. Always refer repairs to properly trained service personnel.

DO NOT ALTER the* TRENCH'N edge *in any manner. Unauthorized alterations may affect its operation, performance, and may result in injury or death to the operator as well as other individuals in the work area.

Safety First

Safety on the job is always be a top priority.

LOOK FOR THE SAFETY HAZARD WARNING SYMBOL IN THIS MANUAL AND ON THE MACHINE.

The safety hazard symbol is used to alert the operator of safety hazards.


DANGER


WARNING


CAUTION

"DANGER" identifies immediate hazards that will result in serious injury or death.
"WARNING" identifies potential hazards which could result in serious injury or death.
"CAUTION" identifies hazardous situations which may result in minor to moderate injury and/or could result in damage or destruction of equipment.

These are general safety instructions that apply to operation of the TRENCH'N edge. This list includes many, but not all, of the safety instructions. Also refer to safety guidelines and warning shown in the rest of this manual and on the machine.

Common sense must always be used to determine the safest way to operate a machine under specific conditions.

OPERATOR:

- Always read the manual, the decals, and the safety warning decals before operating a machine for the first time.
- Clothes should be snug fit. Loose fitting may get caught in the mechanism during service or operation.
- Remove jewelry before operation. Jewelry may get caught in the mechanism.
- Wear shoes that will protect your feet. Steel toed safety shoes are strongly recommended.
- Eye Protection: Safety glasses and/or face shields should be worn when operating, as well as working in close proximity to high speed rotary equipment.
- Hearing: Use hearing protection to avoid injury from loud operating noise levels.
- Do not use stereo headsets during operation. Headsets also make it difficult to hear other people and monitor the position of other equipment operating at the worksite.
- Gloves: Use gloves to protect your hands.
- Respirators: When operating in dusty, windy conditions, wear a respirator or proper dust mask.
- The operator should never use a machine while under the influence of alcohol or drugs.
- Never attempt to ride a machine that is not designed for that propose.
- Do not operate any equipment at unsafe speeds. Speeds should be reduced when turning or operating on slopes. The operator must use common sense to determine a safe speed based on the equipment, the slope, the surface, and other conditions that may affect safe operation.
- The operator must be aware of the conditions around the machine. Be careful to observe other people and machines in the area.
- Beware of slippery conditions. Wet turf can be encountered on slopes, when turning or stopping.
- Keep hands and feet away from cutting devices and drive components. Shut off the engine and remove spark plug wire when servicing cutting devices or drive components.
- Never allow children to operate the machine.

THE MACHINE:

- Always check the location and use of each control before operating a machine for the first time.
- If you have questions about the machine, call the factory.
- Do not modify the machine in any manner.
- Do not place hands or feet near moving or rotating parts.
- Check that all guards are functional and properly installed. Do not operate a machine without all guards installed.
- Check tires. Inflate to pressure shown on tire.
- Check to assure that all controls are in good operating condition. Always check the machine to make sure it is in good working order.
- Never overload or overwork a machine. The machine was designed for certain weights, stress and capacities. Overloading or overworking a machine will cause unsafe working conditions.
- Shut-off the engine before servicing the machine.
- Always check a machines on a level surface. Machines on a slope may roll when the engine is off.

- Refer any unfamiliar service, repair work, or adjustments to properly trained mechanics.
- Replace operating instruction decals and safety warning decals that are damaged or are illegible.

THE ENGINE:

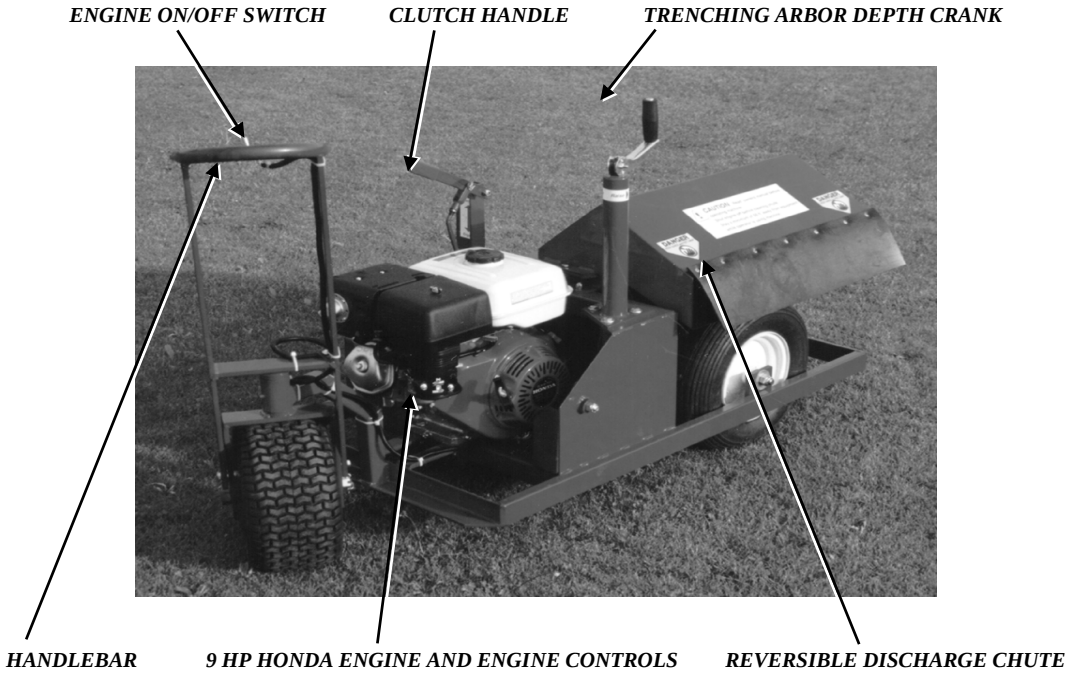
- Do not run the engine in an enclosed area. The exhaust gases contain carbon monoxide, an odorless and deadly poison. **The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.**
- Do not refuel machines indoors or in an unventilated area. Do not over fill. Do not add fuel while the machine is hot because spilled fuel may cause a fire.
- Use fresh gasoline. Stale fuel can gum the carburetor and can cause leakage. Check the fuel lines and fittings frequently for cracks and leaks.
- Do not remove the fuel tank cap or fill fuel tank while the engine is hot or running. Allow the engine to cool before refueling.
- Do not operate the engine if gasoline is spilled. Do not operate the engine when the smell of gasoline is present or if any other explosive conditions exist. Move the equipment away from the spill and avoid any ignition until the gasoline has evaporated.
- Do not store, spill, or use gasoline near an open flame. Do not store, spill, or use gasoline near a stove, furnace, water heater, or appliance that uses a pilot light or can create sparks.
- Do not choke the carburetor to stop the engine. Whenever possible, gradually reduce the engine speed before stopping.
- Do not tamper with the governor springs, links or other parts to increase the engine speed. Run the engine at the speed set by the equipment manufacturer.
- Keep the cylinder fins and the governor parts free of dirt, grass, and debris which can affect engine speed.
- Do not transport the engine with fuel in the tank.
- Prevent accidental starting by removing the spark plug wire(s) when servicing the engine or the equipment. Disconnect the negative wire from the battery terminal if the engine is equipped with an electric starting system.
- Do not strike the flywheel with a hammer or any hard object. This may cause the flywheel to shatter during operation. Use the correct tools to service the machine.
- Do not check for a ignition spark with the spark plug removed. Use an approved tester.
- Do not crank the engine with the spark plug removed. If the engine is flooded, place the throttle in fast and crank until the engine starts.
- Do not start the engine with the air cleaner and/or the air cleaner cover removed. Do not operate the engine without a muffler. Replace the muffler if it is leaking or worn. Replace only with correct muffler. Do not touch a hot muffler, cylinder, or fin. It will cause burns.
- Do not operate the engine with an accumulation of grass, leaves, or other combustible material in the muffler area.
- Do not use the engine on any forest covered, brush covered, or grass covered unimproved land unless a spark arrester is installed in the muffler. The spark arrester must be maintained in good working order. In the State of California, the above is required by law (Section 4442 of the California Public Resources Code). Other state may have similar laws. Federal laws apply on federal lands.

SAFETY FIRST !!!

Description

INTENDED USE AND FUNCTION: The TRENCH'N edge is a gasoline powered trencher. It is designed to be pulled along a planned path at properly prepared worksite. Its purpose is to dig a shallow trench for use in residential and commercial landscape construction. The trench is dug 5" inches wide at a variable depth to 6" inches deep. Optional equipment can be installed to change the trench size to 2-1/2" inches wide with a variable depth to 7" deep. The trench is used for the placement of brick edging, plastic edging, lawn irrigation components, low-voltage landscape lighting, or footings for small landscaping walls. Never use the TRENCH'N edge for any use it is not intended or designed for.

LOCATION OF MAJOR COMPONENTS



DESCRIPTION OF ENGINE CONTROLS

The engine controls are located on the engine. They consist of a fuel shutoff valve, choke, and throttle. The engine ON/OFF switch is located on the TRENCH'N edge handlebar. Always inspect the engine controls for proper operation. and never operate the TRENCH'N edge with defective or altered engine controls.

DESCRIPTION OF OPERATOR CONTROLS

The operator controls consist of the handlebar, the clutch control handle, the trenching arbor depth crank, and the reversible discharge chute. Always inspect the operator controls for proper operation and placement. Never operate the TRENCH'N edge with defective, missing, or altered operator controls.

Handlebar: The handlebar is used to steer and pull the TRENCH'N edge along a planned and properly prepared route. Mounted on the handlebar is the engine ON/OFF switch. Unless it is an emergency, always slow the engine to an idle before turning the engine ON/OFF switch to off. For safety reasons, never pull the TRENCH'N edge up hill.

Clutch Control Handle(optional): The clutch control handle is used to tighten and loosen the belts to make it easier to start the machine. Always slowly engage and slowly disengage the clutch control handle. The clutch control handle DOES NOT act as a brake for the trenching arbor while the machine is running. Once the machine is turned off, the arbor will continue rotating until is coasts to a stop

Trenching Arbor Depth Control Crank: Turning the crank will lower the trenching arbor to the desired depth of cut. When starting the engine, the trenching arbor should always be in the fully raised position. When engaging the clutch, the trenching arbor should be in the raised position. Never lower the trenching arbor when the machine is positioned over hard

surfaces (concrete, asphalt, driveways, sidewalks, etc.). Damage can occur to the cutting teeth.

WARNING

TO AVOID SERIOUS INJURY and Possible Damage to the TRENCH'N edge, never lower the trenching arbor depth control when the machine is positioned over a hard surface.

Reversible Discharge Chute: The discharge chute can be positioned to direct the discharge of trenched material to either the right or left side of the machine. To change the direction of discharge, loosen the hardware retaining the chute, turn the chute around to face the other side, and securely reattach to the machine. When the discharge chute is removed from the machine, the trenching arbor and cutting teeth are exposed.

DANGER

TO AVOID SERIOUS INJURY, Do Not Remove the Discharge Chute With the Engine Running or the Trenching Arbor Clutch Engaged.

Operation

WARNING

TO AVOID SERIOUS INJURY, Read and Understand the Entire Operator's Manual Before Operating This Machine.

Always operate the TRENCH'N edge safety. Follow all safety warnings and wear the appropriate personal safety gear.

Operate only in the daylight. Do not operate when the grass is wet or when it is raining.

Before Starting the engine, ensure that all guards and the reversible discharge chute are in place and securely mounted.

Be aware of the weight of the TRENCH'N edge. Know how to safely transport, lift and maneuver the machine.

Before operating the trencher, check that no damage has occurred to the machine or the controls during transit to the worksite.

PRE-OPERATION CHECK LIST

- Safety First – Wear the appropriate safety gear. Gloves and safety shoes are recommended when operating the Trencher.
- Check – The oil level in the engine crankcase. If necessary, fill the engine crankcase in accordance with the engine manufacturer's instructions. Engine is shipped from the factory without oil.
- Grease – The fittings on the arbor main shaft bearings.
- Use fresh fuel of a type and grade recommended by the engine manufacturer.
- Inspect – The arbor teeth and the V-belt for damage.
- Check – All guards are in place.
- Check – The Trencher operates with vibration. Check and retighten nuts and screws frequently to ensure safe operation.

Always consult State and Local building codes to determine the proper size and depth of the trench required for the job. Building codes differ from state to state and locality to locality.

WORK SITE PREPARATION

The trencher is operated by pulling it along a planned route. Plan your path before starting the trenching operation. Locate any above ground obstacles in your path and plan a safe route to avoid them. Mark a well defined, easy to follow path. For safety reasons, plan your route to avoid having to pull the trencher up any slopes. Do not trench on any steep slopes, maximum angle of operation is 15° degrees

Be familiar with the area you are going to trench. Watch out for large holes, drops, rises,

slopes, and obstacles. Before trenching, make sure the area is clear of solid objects and debris that could be thrown by the machine or damage the machine. Plan to protect cars, windows, siding, etc. from any thrown object.

The trencher can trench up to 6" inches deep (12” deep for irrigation unit). Damage will occur to any buried object that the trenching arbor comes in contact with. Locate and mark the location of any buried objects that could be damaged by the trenching operation. When in doubt to the exact location of any buried utility or service line, always contact your local utility company before starting any trenching operation.

Before trenching, locate and mark any type of buried wires or cables:
- Buried electrical service wires.
- Buried cable TV service wires.
- Buried telephone service wires.
- Buried outdoor lighting wires.
- Buried security system wires.
- Buried electrical dog fence wires.
- Buried intercom or music system wires.
- Any other buried type of wires or cables.

Before trenching, locate and mark any type of buried gas or fuel lines:
- Buried natural gas.
- Buried Propane gas.
- Buried Fuel oil lines.
- Buried Home heating/cooking gas lines.
- Any other type of buried gas or fuel lines.

Before trenching, locate and mark any type of buried irrigation:
- Buried Irrigation sprinkler heads.
- Buried Irrigation control boxes.
- Buried Irrigation water supply and feeder lines.
- Buried Irrigation drip feeder lines.
- Buried Irrigation shut-off valves.
- Any other type of irrigation lines or equipment.

Before trenching, locate and mark any type of buried irrigation:
- Buried roof drain pipes
- Buried drainage tiling pipes
- Buried drainage collector boxes and catch basins.
- Buried drainage access covers
- Any other type of buried drainage lines or equipment.

Before trenching, locate and mark any type of sewer lines:
- Buried sewer drain pipes
- Buried sewer drain field tiling pipes
- Buried sewer collector boxes and catch basins.
- Buried drainage access covers and vent pipes.
- Any other type of buried sewer lines or equipment.

The trencher can also cut or damage the roots of any shrub or planting around the work site. Always hand dig a small test area around any planting to determine if roots have spread into the planned work site.

CHANGING THE POSITION OF THE REVERSIBLE DISCHARGE CHUTE

Before starting the engine, place the discharge chute to the side of the machine you want the debris to be discharge from. Loosen the retaining hardware that holds the discharge chute to the arbor housing, remove the chute and turn to the discharge chute outlet to the side desired. Replace the chute to the arbor housing and securely reattach.

DANGER

TO AVOID SERIOUS INJURY,
Do Not Remove the Reversible Discharge Chute When the Engine is Running.

When the discharge cute is removed, the trenching arbor is exposed. Never operate the TRENCH'N edge without the discharge chute properly secured to the trenching arbor housing.

The debris discharge will be directed down out of the chute. For easy clean up of the worksite, place traps along the route to catch the discharge debris. During operation, always keep the tarps a safe distance from the machine so that they do not become caught in the trenching arbor.

WARNING

TO AVOID SERIOUS INJURY,
Do Not Operate Without Guards In Place.

ENGINE STARTING PROCEDURE

Never start the engine unless you are in the area being trenched. Move the TRENCH'N edge to the area being trenched and position machine at the start of the planned trenching route.

1. Check that the clutch is in the "Disengaged" position (if unit is so equiped).
2. Check that the trenching arbor does not touch the ground and that it has been raised to its highest position.
3. Check that the fuel shut-off valve is in the "ON" position.
4. Check that the engine "ON/OFF" switch is in the "ON" position.
5. Set choke and throttle as needed. Pull starter rope to start engine.
6. Reset throttle and choke as needed.

DANGER

TO AVOID SERIOUS INJURY,
Keep Hands And Feet Away From Trenching Arbor.
Never reach under the machine or into the discharge chute.

Always stay clear of the discharge chute when the engine is running or during operation. If the discharge chute becomes plugged during operation, disengage the clutch and STOP THE ENGINE before attempting to clean it out.

WET conditions can cause the chute to plug. Trench with caution.

TRENCHING PROCEDURE

Keep others, especially small children and pets, safely away from the area. Recommended safety radius from the machine is a minimum of 500 feet.

Never trench by pushing the machine, always pull the TRENCH'N edge. Avoid sudden stops and starts, operate in a slow controlled manner. If the wheels of the machine become stuck during operation, disengage the clutch and STOP THE ENGINE before attempting to free the machine.

The trenching arbor is located between the two rear wheels. Align the center of the machine along the route.

1. Increase engine speed to full throttle.
2. Slowly engage the clutch control handle.
3. Turn the trenching arbor depth control handle to lower the trenching arbor into the ground.
4. Slowly pull the TRENCH'N edge a short distance.
5. Disengage clutch and stop the engine.
6. Check the depth of the trench.
7. Restart the engine and reset depth control crank as required.
8. Engage clutch and continue to trench.

DANGER

TO AVOID SERIOUS INJURY,
Do Not Operate On Steep Slopes.
Maximum Angle of Slope is 15° Degrees.

Always trench across the face of slopes, never up and down. Always be careful of footing, especially on slopes. Do not trench on excessive slopes, maximum slope is 15° degrees.

Stop the engine whenever you leave the trencher, even for just a moment.

It is possible to trench a double wide trench by making two passes. Align the rear wheel with the edge of the trench form the first pass. Only two passes can be made, do not attempt to make three or more passes without moving one of the rear wheels outside the frame or using the optional Extender Brackett. Do not attempt to trench at an angle to the ground by raising one side of the machine during operation.

WARNING

To Avoid Serious Injury,
Do not operate the TRENCH'N edge with damaged or loosed components

During operation, if excess vibration occurs, STOP THE ENGINE and inspect the machine. Look for loose hardware or loose or damaged components. Excess vibration occurs after encountering a buried object while trenching, STOP THE ENGINE and inspect the trenching arbor and the arbor teeth.

Service

Lubrication

WARNING

TO AVOID SERIOUS INJURY,
Do Not Lubricate or Adjust the Trencher With the Engine Running.
Remove the Wire From the Spark Plug To Avoid Accidental Starting.

CLEAN AND INSPECT:

Periodically clean the entire machine of dirt, grease and debris build-up. Avoid high pressure power washing around the arbor shaft bearings. Damage will occur if water is forced into the bearings. Lubricate all pivot points with light machine oil.
Periodic inspection should be done to insure that any worn bearings are detected and replaced.

GREASE FITTINGS:

After every 2 hours of operation, grease the fittings on both arbor main shaft bearings.

After every 20 hours of operation, grease the fitting on the front wheel yoke pivot.

ENGINE AND GEAR REDUCTION UNIT:

CHECK OIL LEVELS DAILY. Follow the engine manufacturer's manual for intervals of oil change, proper oil types, and fill levels for the engine and the gear reduction unit.

Adjustments

WARNING

All of the Following Lubrication and Adjustment Procedures Involve or Are Near Rotating Parts and Moving Parts.
Always Follow All Safety Precautions and Wear the Appropriate Safety Gear.

Do not under any conditions remove, cut, bend or change any part of the TRENCH'N edge. This includes all guards, shield, chutes and controls. Any change may make the machine unsafe to operate. Built in safety features are effective only when properly maintained and kept in place.

CLUTCH ROD AND V-BELT ADJUSTMENT

Always inspect the V-belts for damage or excessive wear before attempting to adjust the clutch. For best performance, V-belts should always be replaced in matching pairs.

The clutch can be adjusted to correct for V-belt slippage. Adjustment can correct for any normal V-belt stretch or wear. The clutch rod clevis ends are threaded and can be turned to increase the amount of tension on the V-belt. If some engagement or "creeping" is noted when the clutch is disengaged, reduce the tension on the V-belt. Also check the location and condition of the V-belt stop (located next to the engine pulley). The V-belt stop keeps the V-belt from "grabbing" or "creeping" when the clutch is in the disengaged position.The stop also keeps the V-belt from jumping off of the engine pulley when the clutch is in the disengaged position.

If adjustment to the clutch rod does not stop V-belt slippage, the engine can be moved forward to increase V-belt tension. If the engine is moved to ajust the V-belt, the position of the engine V-belt pulley must be checked to ensure it is still lined up with the arbor pulley and the clutch idler pulley. Engine must be securely retightened afteradjustment.

ARBOR TEETH REPLACEMENT

LANDSCAPE & IRRIGATION MODEL

The arbor has four chucks, each holding up to two teeth. Carefully inspect each one of the arbor teeth for cracks, damaged tips, and missing retaining C-rings. Carefully inspect each chuck and each teeth holder for cracks, damaged, loose or worn attaching hardware, damage to attaching surfaces, or misalignment. Replace any worn or damaged components.

Before removing teeth and chucks from the cutting arbor note the location of each part. *Each chuck and holder has a specific location on the arbor wheel. The teeth are pointed in a specific direction in a specific order.* All chucks, holders and teeth must be replaced in the correct position to enable proper operation. The following page illustrates the proper location and order for the 5" inch chucks:

IRRIGATION & DEEP DRAIN TILE MODEL

The arbor has four or eight chucks, each holding tooth. Carefully inspect each one of the arbor teeth for cracks, damaged tips, and missing retaining C-rings. Carefully inspect each chuck and each teeth holder for cracks, damaged, loose or worn attaching hardware, damage to attaching surfaces, or misalignment. Replace any worn or damaged components.

Before removing teeth and chucks from the cutting arbor note the location of each part. *Each chuck and holder has a specific location on the arbor wheel. The teeth are pointed in a specific direction in a specific order.* All chucks, holders and teeth must be replaced in the correct position to enable proper operation. The proper location and order for the chucks can be obtained by contacting For The Edge, Inc. @ www.trenchnedge.com or e-mail to: ped@trenchnedge.com or 800-483-3437.

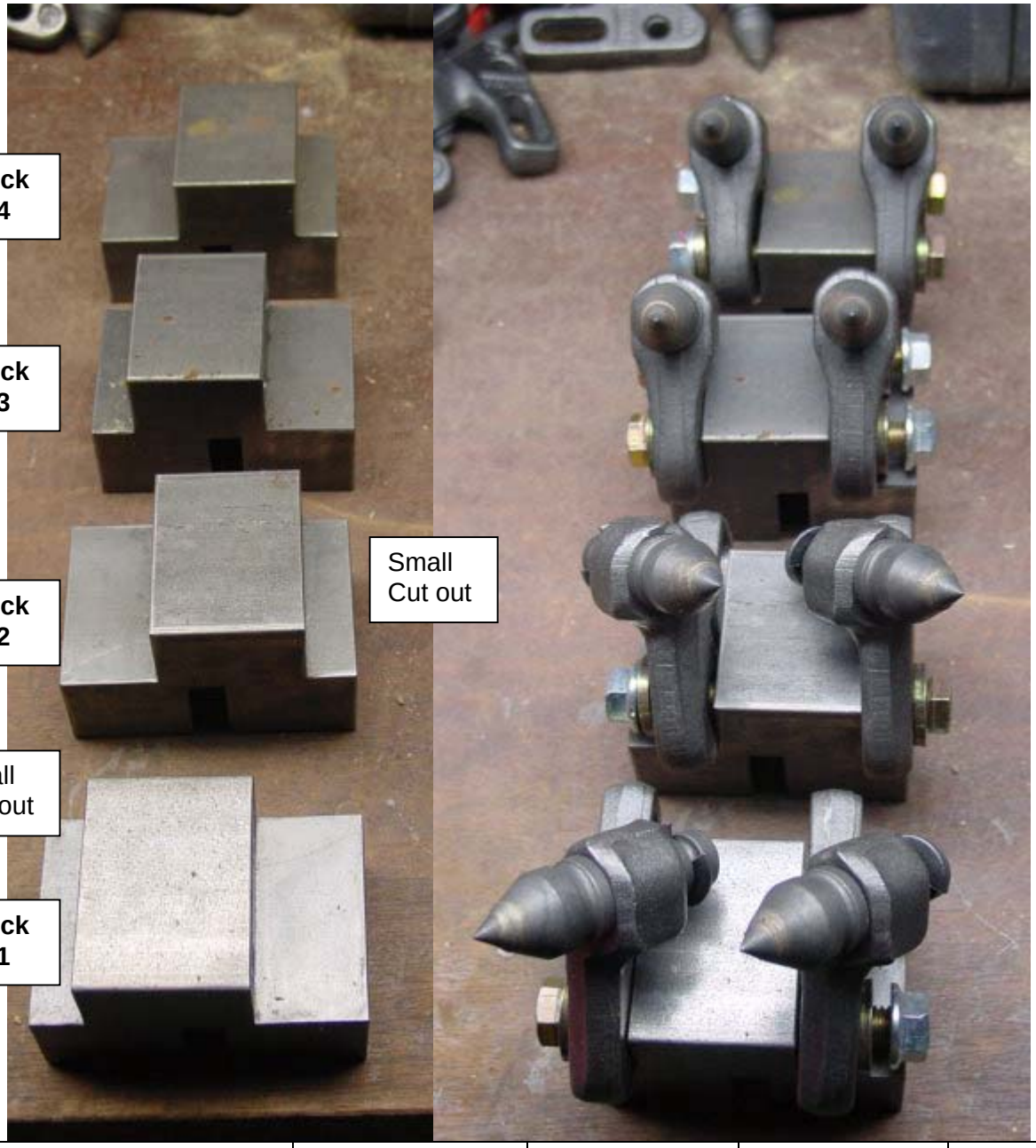
STORAGE

To store the TRENCH'N edge over a extended period, clean all surfaces. Aviod high pressure power washing around the arbor shaft bearings. Remove any remaining dirt or debris from the arbor teeth and the inside of the arbor housing. Apply a film of light machine oil to the arbor and the arbor teeth to control rust. Grease the fittings on the arbor shaft bearings and on the front wheel yoke. Remove fuel from gas tank and run engine until carbarator is empty. Prepare engine in accordance with engine manufacturer's directions.

To return to service after extended storage, repeat the lubrication procedure. Check the engine oil level and refill the gas tank. Inspect the TRENCH'N edge for any damage which may have occured during storage. Correct any deficiences before returning to service.

Irrigation Teeth Configuration (Four Teeth – Repeat For 8 Teeth)

TRENCH'N edge Trencher - Cutting Arbor Teeth



Chuck	# 1	#2	#3	#4
Small Cut Out	Left	Right	Left	Right
Teeth Direction	Left	Right	Straight	Straight
Arbor Position	12 O'clock	3 O'clock	6 O'clock	9 O'clock

Important Notes: Direction of Cutting Wheel

1. Stand on the right side of the machine. (Front pivot wheel handle will be to your left)
2. Arbor cutting teeth should be facing clockwise (teeth at 12 o'clock position should point to the back of the machine).
3. The cutting direction of the arbor will be the opposite direction that you pull the machine to go forward.
4. When ***reordering tooth holders***, stand in front of machine (at the handle bars), the teeth that point ***right*** are **right holders** and the teeth that point ***left*** are **left holders**.

Parts List

Item No.	Part No.	Description	Qty.
1	15001	Engine, 9 HP	1
2	15002	Chuck, 5" Inch	4
3	15003	Chuck, 2" Inch	4
4	15004	Pulley, Engine, V-Belt	1
5	15005	Pulley, Arbor, V-Belt	1
6	15006-1	Holder, Teeth, Right Hand	3
	15006-2	Holder, Teeth, Left Hand	3
	15006-3	Holder, Teeth, Center	2
7	15007	Teeth	8
8	15008	C-Ring, Retaining	8
9	15009	V-Belt, BX59	2
10	15010	Rod, Clutch	1
11	15011	Clevis, Clutch Rod	2
12	15012	Bearings, 1" Pillow Block	2
13	15013	Handle, Clutch	1
14	15014	Handle, Depth Control	1
15	15015	Linkage, Depth Control	2
16	15016	Bracket, Arbor Pivot	2
17	15017	Housing, Arbor	1
18	15018	Deflector, Reversible, Waste	1
19	15019	Frame, Main	1
20	15020	Wheels, Rear	2
21	15021	Wheel, Front	1
22	15022	Spindle Yoke, Front Wheel	1
23	15023	Bushing, Front Wheel Spindle Yoke	1
24	15024	Bearing, Front Wheel	2
25	15025	Seals, Front Wheel	2
26	15026	Handle, Steering Switch, Engine ON/OFF	1
27	15027	Clutch Spring	1
28	15028	Trash Guard, Arbor Pivot,	2
29	15029	Trash Guard, Arbor Housing, Right Hand and Left Hand	2
30	15030	Trash Guard, Arbor Housing Front and Rear	2
31	15031	Bushings, Arbor Pivot	2
32	15032	Guard, V-Belt, Front	1
33	15033	Guard, V-Belt, Rear	1
34	15034	Guard, Trash, Arbor Housing	1
35	15035	Arbor	1
36	15036	Shaft, Arbor	1
37	15037	Harness, Wiring	1
38	15038	Stop, V-Belt	1
39	15039	Arm, Clutch Idler	1
40	15040	Pulley, Clutch Idler	1
41	15041	Bolt, Front Axle	1
42	15042	Side Plates, Arbor Housing	2
43	15043	Manual, Operator and Parts Lists	1
44	15044	Decal Set	1
45	15045	Rock-E-Vader Spring	1
46	15046	Rock-E-Vader Spring Plate	1
47	15047	Rock-E-VaderSpringEyeBolt	1
48	15048	DustCapSteering Column	1

SERVICE RECORD

Lubrication	Date	ɪrication	Date

Service/Repair	Date

NOTES:

For The Edge, Inc
8028 Hill Trail Road
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