



**DIAMOND
PRODUCTS**

**OPERATOR'S MANUAL
GREEN
CONCRETE SAW**

**MODEL
CC1000**

**IMPORTANT:
READ MANUAL
AND SAFETY
PRECAUTIONS
BEFORE
OPERATING!**

SAFETY WARNINGS

PERSONAL SAFETY

- READ AND UNDERSTAND INSTRUCTIONS BEFORE OPERATING GREEN CONCRETE SAW.
- ALWAYS WEAR SAFETY APPROVED HEARING, EYE, HEAD AND RESPIRATORY PROTECTION.
- STURDY BOOTS WITH NON-SLIP SOLES AID IN PROVIDING PROPER FOOTING. USE OF STEEL-TOED SAFETY BOOTS IS RECOMMENDED.
- UNDER CERTAIN CONDITION, SPARKS MAY FLY SO NEVER WEAR CLOTHES OF FLAMMABLE MATERIAL.
- KNOW HOW TO STOP GREEN CONCRETE SAW QUICKLY IN CASE OF EMERGENCY.
- KEEP ALL PARTS OF YOUR BODY AWAY FROM CONCRETE BLADE AND ALL OTHER MOVING PARTS.
- USE CAUTION AND FOLLOW INSTRUCTIONS WHEN LOADING AND UNLOADING GREEN CONCRETE SAW.
- WEAR WORK GLOVES TO AVOID CONTACT WITH CONCRETE SLURRY, WHICH CAN CAUSE SERIOUS SKIN IRRITATION.

GENERAL CONCRETE SAW SAFETY

- THIS GREEN CONCRETE SAW SHOULD BE USED ONLY ON MATERIAL THAT IS SPECIFIED ON EACH CONCRETE BLADE. READ THE INSTRUCTIONS, WHICH IS ON EACH CONCRETE BLADE TO DETERMINE WHICH MATERIAL THE CONCRETE BLADE, IS DESIGNED TO BE USED ON.
- THE IGNITION GOVERNOR IS DESIGNED TO LIMIT THE MAXIMUM ENGINE SPEED IN A NO-LOAD CONDITION. SPEEDS IN EXCESS OF THAT MAY CAUSE THE CONCRETE BLADE TO EXCEED THE MAXIMUM SAFE-ALLOWABLE SPEED. DO NOT OPERATE THE UNIT IF YOU SUSPECT IT OF EXCEEDING THIS SPEED.
- ALWAYS KEEP GUARDS IN PLACE.
- MAKE SURE THE CONCRETE BLADE DOES NOT MAKE CONTACT WITH THE GROUND AND/OR OTHER SURFACE WHEN TRANSPORTING GREEN CONCRETE SAW.
- GREEN CONCRETE SAW MUST NOT BE LEFT UNATTENDED WHILE THE ENGINE IS RUNNING.
- ALWAYS REMEMBER TO KEEP BOTH HANDS ON THE HANDLES WHEN THE ENGINE IS RUNNING.
- DO NOT OPERATE THE MACHINE IF THERE IS A FUEL LEAK. HAVE THE FUEL LEAK FIXED FIRST.
- ALWAYS WEAR RESPIRATOR WHEN CUTTING DRY.

SAWING/WORK AREA SAFETY

- NEVER OPERATE THE GREEN CONCRETE SAW IN ANY APPLICATION OR JOB WHERE YOU ARE NOT TRAINED OR SUPERVISED.
- OPERATE ONLY IN WELL-VENTILATED AREAS. ENGINE EXHAUST CONTAINS CARBON MONOXIDE, WHICH CAN CAUSE LOSS OF CONSCIOUSNESS AND POSSIBLE DEATH.
- KEEP BYSTANDERS AND/OR ANIMALS OUT OF THE WORK AREA.
- OBSERVE ALL SAFETY REGULATION FOR THE SAFE HANDLING OF FUEL. HANDLE FUEL IN SAFETY CONTAINERS. SHUT OFF THE ENGINE AND ALLOW IT TO COOL BEFORE REFUELING. WIPE THE GREEN CONCRETE SAW DRY IF FUEL IS SPILLED ON IT. ALWAYS MOVE AWAY FROM THE FUELING AREA BEFORE STARTING THE ENGINE.
- DO NOT OPERATE THE SAW IN AREAS OF COMBUSTIBLE MATERIAL; SPARKS MAY OCCUR FROM SAW THAT COULD CAUSE A FIRE OR AN EXPLOSION.

FAILURE TO COMPLY WITH PROCEEDING WARNINGS COULD RESULT IN SERIOUS BODILY INJURY!

!WARNING:!

THE ENGINE EXHAUST FROM THIS PRODUCT
CONTAINS CHEMICALS KNOWN TO THE
STATE OF CALIFORNIA TO CAUSE CANCER,
BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

ASSEMBLY

- HANDLE MUST BE PLACED INTO POSITION, AND INSERT LOCK PIN.
- BE CERTAIN TO CHECK ENGINE OIL LEVEL AND SERVICE BEFORE USING. REFER TO ENGINE MANUAL FOR DETAILED INFORMATION.

GENERAL INSTRUCTIONS

- BE CERTAIN YOU HAVE THE CORRECT DIAMOND OR ABRASIVE CONCRETE BLADE. CONTACT YOUR AUTHORIZED SERVICING DEALER FOR THE CORRECT SPECIFICATION. GETTING THE CORRECT CONCRETE BLADE WILL MAKE A TREMENDOUS DIFFERENCE IN YOUR COSTS AND PERFORMANCE.
- THE BLADE SHAFT FLANGE MUST BE INSPECTED FOR DAMAGE AND CLEANED BEFORE MOUNTING CONCRETE BLADE. IF DAMAGED, REPLACE BAD PARTS. INSPECT THREADS ON BLADE SHAFT, REPLACE WORN SHAFT AND/OR FLANGE NUT.
- MOUNT THE CONCRETE BLADE SOLIDLY AND FIRMLY ON BLADE FLANGE. TIGHTEN FLANGE NUT VERY SECURELY. (APPROXIMATELY 50 FT. LB).
- WARNING: DO NOT OPERATE WITHOUT PROPER GUARDS IN PLACE.
- THE GREEN CONCRETE SAW IS SHIPPED WITHOUT A CONCRETE BLADE. REMOVE FLANGE NUT AND OUTER FLANGE. PLACE CONCRETE BLADE ONTO BLADE SHAFT; REPLACE OUTER FLANGE AND FLANGE NUT.
- CHECK ENGINE OIL. USE A HIGH QUALITY DETERGENT OIL. USE THINNER OIL IN THE WINTER SEASON. REMOVE CAP AND DIPSTICK AND FILL TO FULL MARK ON STICK. WHEN CHECKING OIL LEVEL, MAKE SURE GREEN CONCRETE SAW IS LEVEL. DO NOT OVERFILL. DIPSTICK ASSEMBLY MUST BE PUSHED FULLY ONTO TUBE AT ALL TIMES WHEN ENGINE IS OPERATING.
- FILL FUEL TANK WITH CLEAN, "REGULAR" GRADE AUTOMOTIVE GASOLINE. FILL TANK COMPLETELY. DO NOT MIX OIL WITH GASOLINE.

TO START

- FOLLOW ALL THE INSTRUCTION OUTLINED ABOVE.
- BE SURE THE GREEN CONCRETE SAW IS IN THE UP POSITION, CAUSING THE CONCRETE BLADE TO BE DISENGAGED WITH THE SURFACE.
- OPEN FUEL VALVE NEXT TO CARBURETOR.
- CHOKE THE CARBURETOR. MOVE LEVER IN DIRECTION OF ARROW TO FULLY CLOSED CHOKE POSITION.
- PULL REWIND STARTER HANDLE. REPEAT IF NECESSARY WITH CHOKE OPENED SLIGHTLY. WHEN ENGINE STARTS, OPEN CHOKE GRADUALLY.

OPERATION

- CAREFULLY DEPRESS DEPTH GAUGE LEVER TO CONCRETE SURFACE.
- LOWER BLADE INTO CUT TO SET DEPTH OF CUT. INCREASING DEPTH WILL SLOW DOWN SPEED OF CUT. INCREASING SPEED OF CUT WILL SHORTEN THE LIFE OF THE CONCRETE BLADE.
- IF THE GREEN CONCRETE SAW SHOULD STALL FOR ANY REASON, RAISE THE BLADE COMPLETELY. BEFORE STARTING ENGINE AGAIN.

TO STOP SAWING

- WHEN FINISHED SAWING DESIRED AREA, DEPRESS DEPTH GAUGE LEVER TO RAISE BLADE OUT OF THE CUT.
- PULL THROTTLE LEVER BACK, LOCATED ON SIDE OF THE ENGINE.
- TURN ENGINE SWITCH TO 'OFF' POSITION.
- TURN FUEL VALVE OFF NEXT TO CARBBURETOR.

MAINTENANCE

- LUBRICATE BLADE SHAFT BEARINGS DAILY! DO NOT OVERGREASE. GREASE PROVIDES AN ADDED PROTECTIVE SEAL FOR THE BEARINGS. AFTER A MAXIMUM OF EVERY 40 HOURS OF OPERATION, GREASE REAR WHEELS. FOR FRONT WHEELS SPRAY LUBRICANT ONTO SHAFT WHEN GREASING REAR WHEELS.
- CHECK ENGINE OIL DAILY. KEEP OIL CLEAN AND AT PROPER LEVEL. SINCE THE ENGINE OFTEN OPERATES AT AN ANGLE, CHECK THE OIL LEVEL (WITH ENGINE HORIZONTAL) FREQUENTLY TO ENSURE THAT THE OIL LEVEL NEVER FALLS BELOW THE LOWER MARK ON THE DIPSTICK. FOLLOW ENGINE MANUFACTURER'S RECOMMENDATION ON CHANGING OIL.
- ENGINE CARE: SEE ENGINE MANUAL
- BLADE SHAFT V-BELTS TENSION: THIS MODEL CONCRETE SAW IS EQUIPPED WITH PREMIUM V-BELTS. THESE BELTS ARE PROPERLY TENSIONED AT THE FACTORY. SEVERE DAMAGE OR EVEN BREAKAGE OF THE CRANKSHAFT MIGHT OCCUR IF THE BELTS ARE TENSIONED TOO TIGHT. CHECK BELT TENSION AS SET ON THE NEW SAW AND NEVER SET BELTS BEYOND ORIGINAL FACTORY TENSION. NOT ENOUGH TENSION WILL RESULT IN POOR SAW PERFORMANCE AND SHORT BELT LIFE. BELTS SHOULD NEVER BE ALLOWED TO SLIP. AFTER TWO HOURS OF USE, RE-TENSION BELTS TO MAKE UP FOR INITIAL STRETCH. TO RE-TENSION THE BELTS, TURN THE HORIZONTAL TENSIONING BOLT ON THE REAR OF THE ENGINE BASE CLOCKWISE UNTIL THE BELTS ARE TIGHT. RE-TIGHTEN THE FOUR BOLTS ON THE ENGINE BASE. CONTINUE TO CHECK THE BELT TENSION ON A REGULAR BASIS, AND RE-TIGHTEN AS NECESSARY. TO OBTAIN ACCURATE V-BELT SETTING, A V-BELT TENSION TESTER SHOULD BE USED. CHECK THE SETTING ON A SINGLE BELT OF A MATCHED SET OF V-BELTS. APPLY LOAD AT THE CENTER OF THE BELT SPAN. DEFLECTION SHOULD BE 3/16" WITH A 5 TO 6 LB. LOAD.
- TIGHTEN FASTENERS REGULARLY. NUTS AND BOLTS MAY BECOME LOOSE PARTICULARLY AFTER THE FIRST FEW HOURS OF OPERATION. CARE MUST BE TAKEN TO SELECT THE PROPER TOOLS AND FASTENERS. DAMAGE TO THE THREADED FASTENERS COULD OCCUR IF INCORRECT TOOLS OR FASTENERS ARE USED.
- PERIODICALLY CHECK BLADE SHAFT ASSEMBLY FOR ENDPLAY. THERE SHOULD BE NO ENDPLAY. ADJUSTMENT IS MADE BY RELOCATING BLADE SHAFT AND RETIGHTENING SETSCREWS ON THE BLADE SHAFT BEARINGS.