

**WATERBLAST**

**CONCRETE DEMOLITION**

**ATTACHMENT**

**Model**

**CDA**

**OWNER'S MANUAL**



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### **1.0 INTRODUCTION**

This manual was prepared to provide the operator with the basic information needed to operate and service this equipment. The operating recommendations in the manual will insure that you receive satisfactory performance. All operating personnel responsible for the care of this equipment should be familiar with the information in this manual.

If you have any questions or problems with this equipment, please contact the distributor you obtained the product from, or the manufacturer:

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### **2.0 SAFETY WARNING**

Operations with this tool can be potentially dangerous if caution is not exercised prior to and during tool use. Please read and follow all of these instructions.

- 2.1** Only competent and trained persons should operate this equipment.
- 2.2** Do not exceed the maximum operating pressure specified for any component in a system.
- 2.3** This equipment should always be used with an operator controlled dump mechanism to release the high pressure water.
- 2.4** The immediate work area should be marked off to keep out untrained persons.
- 2.5** All personnel in the area should wear eye protection, and other protective clothing in accordance with specific conditions.
- 2.6** The tool should be securely supported. Strong thrust is created by waterjets and these forces can become unbalanced if a nozzle should become plugged.
- 2.7** Inspect the equipment for visible signs of deterioration, damage, or improper assembly. Do not operate until repaired. Make sure all threaded connections are tight and leak free.
- 2.8** Check to see that all control functions work properly before going to high pressure.
- 2.9** If it is necessary to have a person work near the cleaning jets, then it is this person who should have control of the pressure dump mechanism.

### **3.0 DESCRIPTION**

The Concrete Demolition Attachment (CDA) is designed to remove concrete by means of high pressure water jets. An SG high pressure water swivel is used in conjunction with an air motor and gear box to provide powered rotation of a single high pressure water jet. The swivel, gear box, air motor, and protective shroud (with rubber skirting) are all mounted to an aluminum carriage plate with stainless steel roller wheels. The carriage assembly traverses back and forth along two extruded aluminum rails under the power of another air motor, gear box, and drive chain.

The length of stroke can be varied by removing or adding chain links and adjusting the idler plate accordingly. The maximum stroke will be two feet less than the overall length of the rails. The CDA assembly can be attached to a skid steer mounting plate or a variety of other machines. A pair of adjustable legs with skid feet are provided to set the height of the CDA in a repeatable position and also to stabilize the unit under imbalanced jet thrust and uneven or broken surfaces.

#### **WATER SUPPLY**

A clean and dependable source of water is required. The flow rate needed will depend on the pump and nozzle used. A 10-micron water filter upstream from the pump is recommended. Flush all hoses before use. Keep the ends covered when not connected.

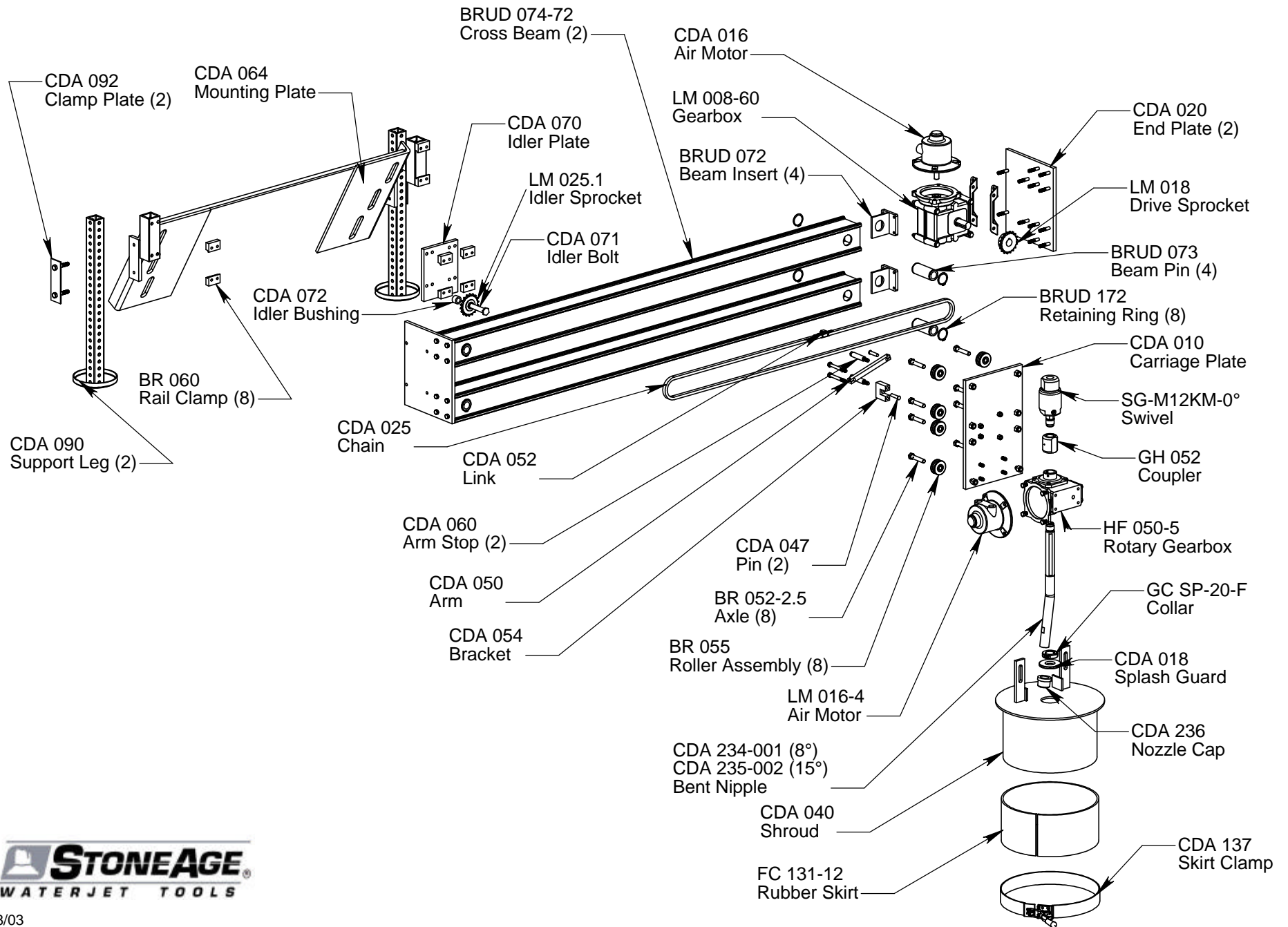
#### **WATER SWIVEL**

The SG-M12KM high pressure water swivel is rated for 20,000 psi maximum operating pressure and 50 gpm. The swivel has two grease zerks that should be serviced every 40 hrs. Keep the end nut and all connections tight. Watch for leaks and shutdown to repair. Please refer to the appendix for further detailed information on the swivel.

## **4.0 PARTS LIST**

BR 052-2.5	Axle	8
BR 055	Roller	8
BR 060	Rail Clamp	8
BR 155	Muffler	2
BR 157	Fitting, Air P8J8	2
BRUD 072	Beam Insert	4
BRUD 073	Beam Pin	4
BRUD 074-72	Cross Beam	2
BRUD 172	Retaining Ring	8
CDA 010	Carriage Plate	1
CDA 016	Air Motor, feed	1
CDA 018	Splash Guard	1
CDA 020	End Plate	2
CDA 025	Chain Assembly	1
CDA 040	Shroud	1
CDA 047	Pin	2
CDA 050	Arm	1
CDA 052	Link	1
CDA 054	Bracket	1
CDA 060	Arm Stop	2
CDA 064	Mount, Bobcat	1
CDA 070	Idler Plate	1
CDA 071	Idler Bolt	1
CDA 072	Idler Bushing	1
CDA 090	Support Leg	2
CDA 092	Support Leg Clamp	2
CDA 137	Skirt Belt Assembly	1
CDA 235-001	Nipple, Bent 8 deg	1
CDA 236	Nozzle Cap	1
FC 131-12	Rubber Skirt	1
GC SP-20-F	Collar	1
GH 052	Coupler	1
HF 050-5	Gearbox, rotation	1
LM 008-60	Gearbox, feed	1
LM 016-4	Air Motor, rotation	1
LM 018	Drive Sprocket	1
LM 025.1	Idler Sprocket	1

# 5.0 EXPLODED ASSEMBLY DRAWING



## **6.0 LIMITED WARRANTY**

StoneAge, Inc. warrants to the extent herein provided the products of its own manufacture against defects in material and workmanship under normal use and service for which the products were designed for a period of six (6) months after shipment from the factory. If such products should fail through defect in workmanship or material and specific written notice of failure is made within six (6) months after date of shipment from the factory, StoneAge, Inc. will either repair or replace any such items, F.O.B. its factory without charge. StoneAge, Inc. shall not be liable for expense incurred in repairs or alterations made outside the factory without the proper and prior authorization. StoneAge, Inc. shall have the option of requiring the return of the defective products to its factory, with transportation charges prepaid, to establish the claim. StoneAge, Inc. shall in no event be held liable for damages or delay resulting from or arising out of defective products nor for consequential damages or otherwise except for repair or replacement of items of defective material or workmanship as foresaid.

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