

OPERATOR'S MANUAL

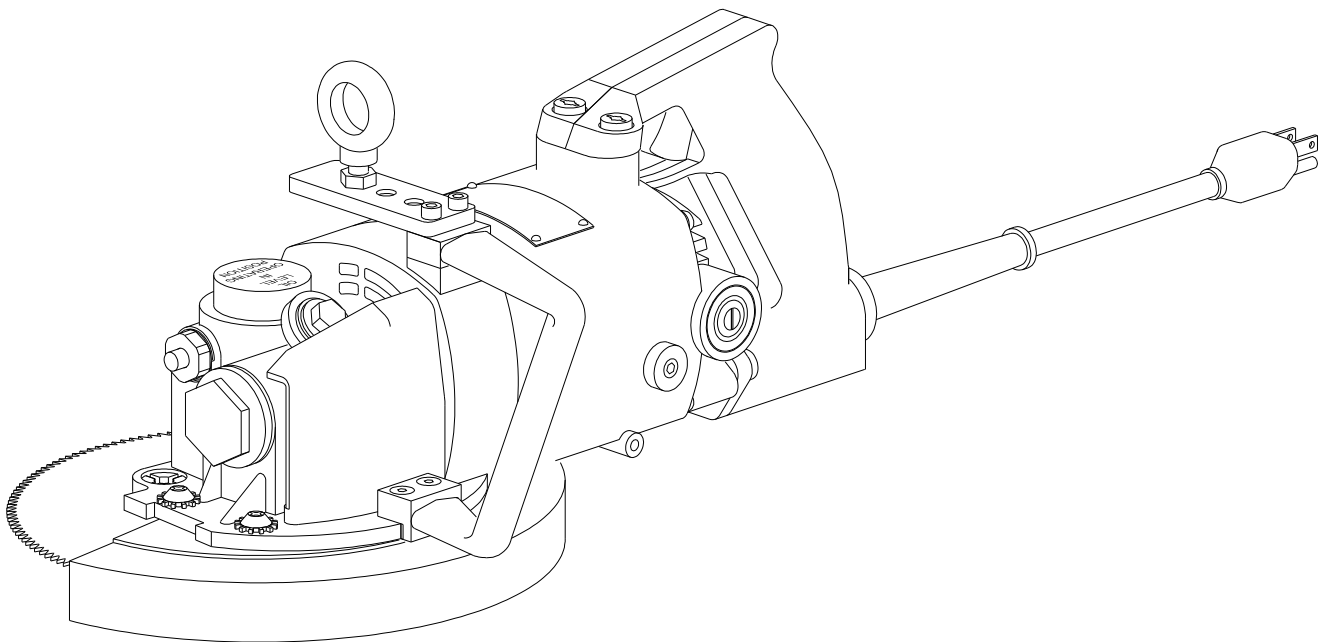
INCLUDING: OPERATION, INSTRUCTION, INSTALLATION, MAINTENANCE AND PARTSBOOK

IMPORTANT: READ THIS MANUAL CAREFULLY BEFORE INSTALLING, OPERATING OR SERVICING THIS TOOL.

"CHINE" BREAKING SAW












TOOL DATA

MODEL: CHINE
ASSEMBLY NO: 100220
TYPE: ELECTRICAL OPERATED
NET WEIGHT: 16.5 LBS (7.5 KG)
VIBRATION: LESS THAN (<) 123 dB < 1.41m/s²
NOISE: LESS THAN 81dB



- = Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.
- = Hazards or unsafe practices which could result in minor personal injury, product or property damage.
- = Important installation, operation or maintenance information.

OPERATING AND SAFETY INSTRUCTIONS

-  **WARNING** DO NOT OPERATE THIS TOOL UNTIL YOU HAVE READ AND UNDERSTOOD THE SAFETY INSTRUCTIONS AND OPERATING MANUALS.
-  **WARNING** DO NOT OPERATE THIS TOOL UNTIL YOU HAVE RECEIVED TRAINING IN THE HANDLING, OPERATION AND USE OF THIS TOOL.
-  **WARNING** STOP USING A MALFUNCTIONING OR DEFECTIVE TOOL IMMEDIATELY. REPORT ANY PROBLEMS OR DEFECTS TO YOUR SUPERVISOR FOR REMOVAL OF THE TOOL FROM SERVICE.
-  **WARNING** DO NOT ATTEMPT TO REPAIR THE TOOL YOURSELF.
-  **WARNING** DO NOT ALLOW UNAUTHORIZED PERSONS TO USE TOOL.
-  **WARNING** REMOVE AND DISCONNECT POWER FROM THE TOOL WHEN TOOL IS LEFT UNATTENDED OR IS NOT IN USE.
-  **WARNING** NEVER TIE DOWN, BYPASS, ALTER OR MODIFY THE ACTIVATING SWITCHES OR TRIGGERS OF THIS TOOL.
-  **WARNING** NEVER MAKE ALTERATIONS OR MODIFICATIONS TO THIS TOOL.
-  **WARNING** BE CONSTANTLY AWARE AND ALERT FOR UNSAFE CONDITIONS AND REPORT THEM IMMEDIATELY TO YOUR SUPERVISOR.
-  **WARNING** NEVER PLACE YOUR HAND OR ANY PART OF YOUR BODY IN THE CUTTING PATH OF THE TOOL.
-  **WARNING** NEVER ALLOW ANYONE ELSE TO PLACE THEIR HANDS OR ANY PART OF THEIR BODY IN THE CUTTING PATH OF THE TOOL.
-  **WARNING** DO NOT ACTIVATE CONTROL SWITCHES OR TRIGGERS OF THIS TOOL UNLESS YOU INTEND TO TEST OR OPERATE THIS TOOL.
-  **WARNING** DO NOT USE THIS TOOL FOR ANY PURPOSE OTHER THAN IT'S INTENDED PURPOSE.
-  **CAUTION** WHEN OPERATING THIS TOOL WEAR THE PROTECTIVE GEAR AND SAFETY EQUIPMENT SUPPLIED TO YOU.
-  **WARNING** THE NOISE EMISSION (SOUND PRESSURE LEVEL) AT THE WORKSTATION MAY EXCEED 80 dB (A). EAR AND SOUND PROTECTION GEAR IS REQUIRED.
 VIBRATION: LESS THAN (<) 123 dB < 1.41m/s²
 NOISE: LESS THAN 81dB

OPERATING INSTRUCTIONS

⚠ WARNING ONLY TRAINED PERSONNEL ARE TO OPERATE THIS TOOL.

THE "CHINE" IS AN EXTREMELY POWERFUL, FAST CUTTING MEAT SAW AND FOR MAXIMUM PERFORMANCE AND OPERATOR CONVENIENCE WE SUGGEST THE FOLLOWING PROCEDURES BE FOLLOWED.

1. MAKE CERTAIN THE BLADE IS INSTALLED PROPERLY AND THE MACHINE IS CONNECTED TO A GROUNDED ELECTRICAL OUTLET.
2. ALWAYS OPERATE THE "CHINE" USING BOTH HANDS AND PRESS THE MACHINE FIRMLY INTO WORK PIECE.
3. START THE MACHINE BEFORE ENTERING CUT. UPON STARTING, THE HIGH TORQUE WILL CAUSE THE MACHINE TO TWIST SLIGHTLY TO ONE SIDE.
4. COMPENSATE FOR THE TWIST AND FIRMLY BEGIN CUT, MOVING THE MACHINE BRISKLY ALONG THE DESIRED PATH.
5. OPERATE THE "CHINE" AS PARALLEL TO THE WORK AS POSSIBLE TO UTILIZE THE MAXIMUM CUTTING DEPTH.
6. MAKE CERTAIN BLADE ROTATION HAS STOPPED BEFORE REMOVING THE MACHINE FROM THE WORK.
7. ALWAYS USE EXTREME SAFETY PRECAUTIONS WHEN USING POWER TOOLS.

MAINTENANCE

⚠ WARNING ONLY TRAINED AND QUALIFIED PERSONNEL ARE TO PERFORM MAINTENANCE AND SERVICE TO THIS TOOL.

1. CLEANING

OCCASIONALLY WIPE THE CORD TO PREVENT DETERIORATION FROM OIL AND GREASE. CLEAN THE VENT HOLES OUT WITH COMPRESSED AIR. IF COMPRESSED AIR IS NOT AVAILABLE, PULL THE POWER PLUG FROM THE OUTLET AND CLEAN VENT HOLES WITH A BRUSH. THIS WILL KEEP MOTOR COOL AND ADD MOTOR LIFE.

2. LUBRICATION

LUBRICANTS ARE SPECIALLY COMPOUNDED TO GIVE MAXIMUM PROTECTION UNDER A WIDE VARIETY OF OPERATING CONDITIONS AND TEMPERATURES. USE ONLY KENTMASTER LUBRICANTS. SEE PARTS LIST.

1. ALWAYS CHECK THE OIL LEVEL BEFORE USING THE SAW.
2. REMOVE OIL PLUG USING SAME WRENCH USED TO REMOVE SAW BLADE.
3. OIL LEVEL SHOULD NEVER BE BELOW BOTTOM THREADS IN HOUSING.
4. WHEN ADDING OIL, FILL UNTIL OIL STARTS TO RUN OUT OF OIL HOLE AT ARROW HOUSING.
5. USE 80 OR 90 WEIGHT OIL.

NOTE: IF OIL IS EXTRA DIRTY OR THICK, REPLACE THE PLUG AND RUN THE SAW FOR ONE MINUTE TO WARM UP THE OIL. REMOVE THE OIL PLUG AND TURN SAW UPSIDE DOWN TO REMOVE ALL OIL. FILL HOUSING WITH KEROSENE. REPLACE PLUG AND RUN FOR ONE MINUTE TO FLUSH OUT THE GEAR HOUSING. DRAIN OUT THE KEROSENE AND ADD FRESH LUBRICANT. WITH A NEW SAW, CHANGE THE OIL AFTER THE FIRST HOURS OF USE.

3. MOTOR BRUSHES

CHECK MOTOR BRUSHES OFTEN AND KEEP THEM FREE FROM DUST AND DIRT. BRUSHES SHOULD BE REPLACED WHEN THEY HAVE WORN DOWN TO 3/16" IN LENGTH. THE BRUSHES SHOULD ALWAYS SLIDE FREELY IN THE BRUSH HOLDERS WITHOUT STICKING. TO CHECK BRUSHES:

1. DISCONNECT CORD FROM OUTLET.
2. UNSCREW ONE OF THE BRUSH CAPS ON THE MOTOR HOUSING.
3. LIFT OUT THE BRUSH: NOTE WHICH WAY IT FACES, SO THAT THE BRUSH CAN BE RETURNED TO ITS ORIGINAL POSITION.
4. CLEAN THE BRUSH HOLDER OPENING WITH COMPRESSED AIR OR CLEAN CLOTH.
5. REPLACE THE BRUSH AND CAP.
6. UNSCREW THE OTHER BRUSH CAP, AND REPEAT THE ABOVE OPERATION.

CHANGING BLADES



WARNING

ALWAYS DISCONNECT POWER SUPPLY FROM TOOL BEFORE INSTALLING OR REMOVING BLADE FROM TOOL.



WARNING

ALWAYS WEAR WIRE MESH GLOVES WHEN INSTALLING OR REMOVING BLADE FROM TOOL.

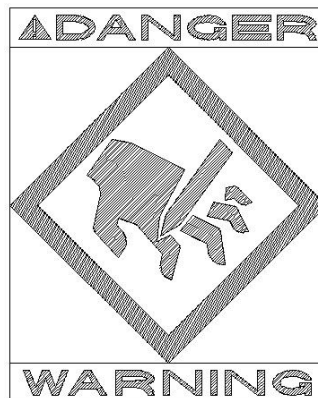
1. PRESS LOCK PIN TO LOCK SAW SHAFT
2. TO LOOSEN, TURN SAW STUD CLOCKWISE. STUD HAS LEFT HAND THREAD. (FOR STANDARD BLADE DIRECTION)
3. MOUNT BLADE WITH TEETH POINTING IN DIRECTION OF ROTATION. TIGHTEN SAW STUD AS MUCH AS POSSIBLE WITH FINGERS, THEN APPLY WRENCH AND TIGHTEN STUD TO POINT OF SLIGHT RESISTANCE.

IF THE BLADE SLIPS TOO MUCH DURING NORMAL USE, TIGHTEN STUD A BIT MORE. MAKE THESE ADJUSTMENTS EACH TIME YOU MOUNT A BLADE ON YOU SAW.

WHEN YOU ADJUST THE BLADE STUD PROPERLY, THE CLUTCH PERMITS THE SHAFT TO MAKE AN EXTRA $\frac{1}{4}$ TO $\frac{1}{2}$ TURN IF THE BLADE MEETS EXCESSIVE RESISTANCE AND STOP SUDDENLY. THIS PROTECTS SAW COMPONENTS FROM "SHOCK OVERLOAD" AND LESSENS "KICKBACK" BY LETTING MOTOR, GEARS AND SHAFT STOP LESS ABRUPTLY IF BLADE SHOULD BIND OR JAM TO A STOP.

REPAIR PARTS AND SERVICE

1. KEEP GOOD RECORDS OF ALL SERVICE ACTIVITY AND INCLUDE TOOL IN PREVENTIVE MAINTENANCE PROGRAM.
2. USE ONLY GENUINE KENTMASTER REPLACEMENT PARTS TO ASSURE PROPER PERFORMANCE OF TOOL.
3. CONTACT THE KENTMASTER SUPPLIER NEAREST YOU FOR PARTS AND CUSTOMER SERVICE INFORMATION.
4. REPAIRS AND OVERHAUL SERVICE IS AVAILABLE FOR ALL MODEL KENTMASTER MACHINES. PLEASE RETURN YOUR MACHINE TO KENTMASTER FREIGHT PREPAID ALONG WITH YOUR PURCHASE ORDER REQUESTING AUTHORIZED FACTORY REPAIRS. REPAIR ESTIMATES ARE PROVIDED UPON REQUEST.



PARTS BOOK CHINE

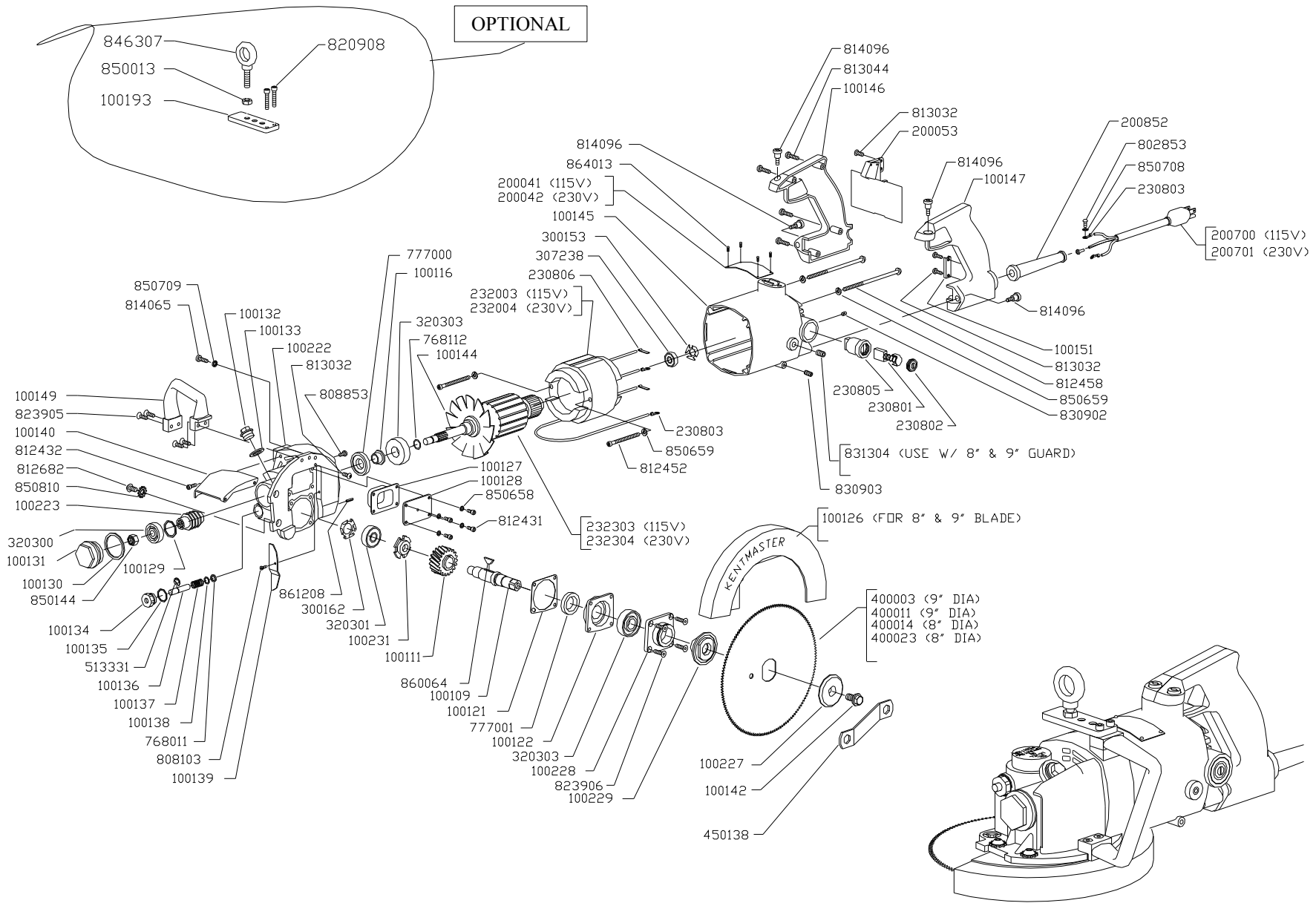


Figure 1 MODEL "CHINE" – MAIN ASSEMBLY

KENTMASTER MFG. CO., INC. 1801 SOUTH MOUNTAIN AVE., MONROVIA, CALIFORNIA 91016 UNITED STATES OF AMERICA

☎ TELEPHONE: (626) 359-8888 FAX: (626) 303-5151

1002200: "CHINE" BREAKING SAW										
Item	Description	Qty		Item	Description	Qty		Item	Description	Qty
1001090	SHAFT	1		2000410	NAME PLATE, MOTOR RATING 115V	1		8028530	SCREW	1
1001110	WORM WHEEL	1		2000420	NAME PLATE, MOTOR RATING 230V	1		8081030	SCREW	1
1001160	BUSHING, OIL SEAL	1		2000530	SWITCH	1		8088530	SCREW	3
1001210	GASKET	1		2007000	CORD AND PLUG, 115 VOLT	1		8124310	SCREW	4
1001220	BEARING, PLATE	1		2007010	CORD AND PLUG, 230 VOLT	1		8124320	SCREW	1
1001260	BLADE GUARD (FOR 8" AND 9" ONLY)	1		2008520	STRAIN RELIEF	1		8124520	SCREW	2
1001270	EXPANSION CHAMBER	1		2308010	BRUSH AND SPRING	2		8124580	SCREW	4
1001280	COVER PLATE	1		2308020	BRUSH CAP	2		8126820	SCREW	2
1001290	SPACER	1		2308030	WIRE TERMINAL	5		8130320	SCREW	4
1001300	WASHER	1		2308050	BRUSH HOLDER	2		8130440	SCREW	4
1001310	CAP, GEAR HOUSING	1		2308060	WIRE TERMINAL	1		8140650	SCREW, BLADE GUARD	1
1001320	OIL PLUG	1		2320030	FIELD, 115 VOLT	1		8140960	SCREW	4
1001330	WASHER, OIL PLUG	1		2320040	FIELD, 230 VOLT, SPADE BRUSH LEADS	1		8213060	SCREW	1
1001340	LOCK PIN, BUSHING	1		2323030	ARMATURE, 115 VOLT	1		8239050	SCREW	4
1001350	WASHER, LOCK PIN BUSHING	1		2323040	ARMATURE, 230V "CHINE"	1		8239060	SCREW	4
1001360	LOCK PIN	1		3001530	LOAD SPRING, BEARING	1		8309020	SET SCREW	2
1001370	SPRING	1		3001620	LOAD SPRING, BEARING	1		8313040	SET SCREW	1
1001380	WASHER, O-RING BACK-UP	1		3072380	BEARING	1		8501440	HEX LOCK NUT	1
1001390	PLATE COVER, GEAR HOUSING	1		3203000	BEARING	1		8506580	HI-COLLAR LOCKWASHER	4
1001400	HOOD, GEAR HOUSING	1		3203010	BEARING	1		8506590	HI-COLLAR LOCKWASHER	6
1001420	STUD, SAW BLADE	1		3203030	BEARING	2		8507080	LOCKWASHER	1
1001440	FAN	1		4000030	SAW BLADE, 9" DIAMETER, 240 TEETH	1		8507090	LOCKWASHER	1
1001450	MOTOR HOUSING	1		4000110	SAW BLADE, 9" DIAMETER THIN RIM, 240 TEETH	1		8508100	LOCKWASHER	2
1001460	HANDLE COVER, RIGHT HAND	1		4000140	SAW BLADE, 8" DIAMETER, 100 TEETH	1		8600640	WOODRUFF KEY	1
1001470	HANDLE COVER, LEFT HAND	1		4000230	SAW BLADE, THIN RIM, 8" DIAMETER, 150 TEETH	1		8612080	ROLL PIN	1
1001490	TOP HANDLE	1		4000280	SAW BLADE, 10" DIAMETER STANDARD 120 TEETH	1		8640130	SCREW, DRIVE	4
1001510	CORD CLAMP	1		4501380	WRENCH, SAW BLADE	1		7903000**	LUBRICANT (5-3/8 OZ TUBE)	1
1002220	GEAR HOUSING	1		5133310	EXTERNAL SNAP RING	1		7903010**	LUBRICANT (1 PINT)	1
1002230	WORM	1		7680110	O-RING	1		7903020**	LUBRICANT (1/2 GALLON CAN)	1
1002270	WASHER	1		7681120	O-RING	1				
1002280	GUARD, PLATE	1		7770000	OIL SEAL	1				
1002290	FLANGE, BUSHING	1		7770010	OIL SEAL	1				
1002310	LOCK DISK	1								
*	PARTS ARE MATCHED SET			**	AVAILABLE UPON REQUEST					

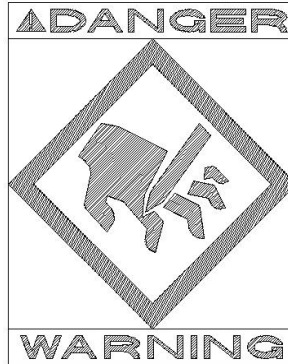
Figure 2 BOM FOR MODEL "CHINE"

KENTMASTER MFG. CO., INC. 1801 SOUTH MOUNTAIN AVE., MONROVIA, CALIFORNIA 91016 UNITED STATES OF AMERICA

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NOTICE TO EMPLOYER AND PURCHASER OF TOOL
NOTICE TO SAFETY DIRECTOR

You have purchased a powerful tool that, if misused, can cause severe injury and harm to your employees. You must instruct your employees in the safe and proper use of this tool and to follow the safety procedures and instructions that have been supplied by the manufacturer of this tool. Please follow the following instructions.



1. Instruct tool operators to test the tool each day before using it to be sure it does not malfunction. Remove and repair any tool that malfunctions.
2. Instruct tool operators to immediately stop using a tool that malfunctions or is defective.
3. Instruct personnel to immediately remove all tools that malfunction. Be sure to disconnect tool from power supply.
4. Instruct all personnel to stay clear of tool, and not to stand or walk in front of, or next to tool when in use.
5. Point out to all personnel the dangers related to the misuse of tool and the importance of following safety procedures and instructions.
6. Do not make, or allow others to make, alterations or modifications to this tool. Replace all lost or illegible labels.
7. Follow all safety, installation and maintenance instructions provided with this tool. Establish proper safety procedures in accordance with local and national requirements to prevent accidental energizing of tool that can cause injuries.
8. If this tool is sold or change in ownership takes place, you must provide the new owner all safety instructions, notices and maintenance instructions you were originally provided. You can obtain additional copies of the instructions from Kentmaster, free of charge upon request.
9. Give copies of instructions to: **(A) Tool Operators**
(B) Maintenance Supervisor
(C) Clean-up Supervisor

GENERAL INFORMATION

COVERING: SAFETY PRECAUTIONS AND PLACING INTO SERVICE

“CHINE” BREAKING SAW

READ THIS MANUAL CAREFULLY BEFORE INSTALLING, OPERATING OR SERVICING THIS TOOL

IT IS THE RESPONSIBILITY OF THE EMPLOYER TO PLACE THIS INFORMATION INTO THE HANDS OF THE OPERATOR.

PLACING INTO SERVICE

**WARNING**

= Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.

**CAUTION**

= Hazards or unsafe practices which could result in minor personal injury, product or property damage.

**NOTICE**

= Important installation, operation or maintenance information.

**WARNING**

Installation, adjustment repair and maintenance of this tool must be made by trained and qualified personnel.

**WARNING**

Always disconnect power supply from tool before:
(A) Installing or removing blade from tool.
(B) Making repairs or adjustments to the tool.
(C) performing maintenance or cleanup work.

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