75

INCLUDING: OPERATION, INSTRUCTION, INSTALLATION, MAINTENANCE AND PARTSBOOK

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

BEEF SPLITTING SAW

TOOL DATA

MODEL: KENTMASTER 75
ASSEMBLY No. 1070000
TYPE: ELECTRICAL OPERATED
NET WEIGHT:  136 LB (62 KG)
MOTOR HORSEPOWER: 2HP / 50Hz, 60Hz
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.
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.
PARTS BOOK

“75” MAIN ASSEMBLY

Figure 1 MODEL “75”
### 1070000: 75 - BEEF SPLITTING SAW

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**Figure 2 BOM FOR MODEL “75”**
Instructions for replacement of yoke end

1. Drill out four rivets (8451660) and remove worn out yoke end (1070730).
2. Install new yoke end (1070730) on yoke and align yoke end before drilling new rivet holes.
3. Install saw blade to assist in alignment of yoke end.
4. Drill new holes and rivet yoke end (1070730) to yoke (1070170).

Figure 3 Yoke end replacement
Figure 4 MOTOR ASSEMBLY
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**MOTOR ASSEMBLY**

**Motor Options**

**Chart 1: "75" Motor Options**

**Figure 5 BOM FOR MOTOR ASSEMBLY**
Figure 6 1071630 & 1071640: ROTOR – SHAFT ASSEMBLY

POWER SUPPLY

Figure 7 1002422: POWER SUPPLY, NON 42V, 3 PHASE

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Figure 8 1002430: POWER SUPPLY, 42V, 3 PHASE

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Figure 9 1072429: POWER SUPPLY, 115/230V, SINGLE PHASE

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Figure 10 1710310: ELECTRIC HANDLE
Figure 11 1070011: FRAME ASSEMBLY
### 1070011: FRAME ASSEMBLY

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**Figure 12 BOM FOR FRAME ASSEMBLY**

### 1071470: ASSEMBLY, SWITCH PLATE

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**Figure 13 1202470: HANGER ASSEMBLY**

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Figure 14 1071320: LUBRICATING FELT SET
DRIP FEED OIL CUP ADJUSTMENT

Oil cup lubricates the slide and should be adjusted as follows:

1. Fill oil reservoir with light weight food grade oil.
2. Raise top On-Off lever upright to “ON” position.
3. Turn flow adjustment nut clockwise to obtain 3-5 drops per minute. Look thru sight glass.
4. Turn locknut against flow adjustment nut.
5. Turn oiler “ON” (lever upright) at beginning of work shift and drop lever at end of work shift for “OFF” position.
6. KEEP OIL RESERVOIR FULL.

Figure 15 Oil cup adjustment
NOTES:
1. DO NOT ATTEMPT OR MAKE REPAIRS ON THE MACHINE WHILE POWER IS ON.
2. ALL ELECTRICAL WORK MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN.
3. THE ELECTRICAL DIAGRAM SHOWS THE MACHINE IN THE “OFF” POSITION.
4. THE GROUND WIRE (GREEN) OF THE POWER CABLE IS CONNECTED TO THE FRAME OF THE MACHINE.

To obtain the correct Kentmaster part number for 3-pole contactor and overload relay, please contact the Kentmaster representative.

Figure 16 WIRING DIAGRAM – different control and motor voltage
### 3-PHASE, SAME CONTROL AND MOTOR VOLTAGE

#### NOTES:
1. DO NOT ATTEMPT OR MAKE REPAIRS ON THE MACHINE WHILE POWER IS ON.
2. ALL ELECTRICAL WORK MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN.
3. THE ELECTRICAL DIAGRAM SHOWS THE MACHINE IN THE “OFF” POSITION.
4. THE GROUND WIRE (GREEN) OF THE POWER CABLE IS CONNECTED TO THE FRAME OF THE MACHINE.

To obtain the correct Kentmaster part number for 3-pole contactor and overload relay, please contact the Kentmaster representative.

Figure 17 WIRING DIAGRAM – same control and motor voltage
SINGLE PHASE, 230 VOLTS

NOTES:

1. DO NOT ATTEMPT OR MAKE REPAIRS ON THE MACHINE WHILE POWER IS ON.
2. ALL ELECTRICAL WORK MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN.
3. THE CAPACITOR AND THE SWITCH – CAP. START MOTOR AR MOUNTED INSIDE THE MAGNETIC PANEL BOX.
4. THE ELECTRICAL DIAGRAM SHOWS THE MACHINE IN THE “OFF” POSITION.
5. MOTOR #7 LEAD IS UNUSED AND SHOULD BE INSULATED AND TAPPED SEPARATELY.
6. THE GROUND WIRE (GREEN) OF THE POWER CABLE IS CONNECTED TO THE FRAME OF THE MACHINE.
7. TO REVERSE DIRECTION, REVERSE MOTOR WIRES #5 AND #8.

To obtain the correct Kentmaster part number for 3-pole contactor and overload relay, please contact the Kentmaster representative.

Figure 18 WIRING DIAGRAM – SINGLE PHASE, 230V
**SINGLE PHASE, 115 VOLTS**

NOTES:
1. DO NOT ATTEMPT OR MAKE REPAIRS ON THE MACHINE WHILE POWER IS ON.
2. ALL ELECTRICAL WORK MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN.
3. THE CAPACITOR AND THE SWITCH – CAP. START MOTOR ARE MOUNTED INSIDE THE MAGNETIC PANEL BOX.
4. THE ELECTRICAL DIAGRAM SHOWS THE MACHINE IN THE “OFF” POSITION.
5. MOTOR #7 LEAD IS UNUSED AND SHOULD BE INSULATED AND TAPE SEPARATELY.
6. THE GROUND WIRE (GREEN) OF THE POWER CABLE IS CONNECTED TO THE FRAME OF THE MACHINE.
7. TO REVERSE DIRECTION, REVERSE MOTOR WIRES #5 AND #8.

To obtain the correct Kentmaster part number for 3-pole contactor and overload relay, please contact the Kentmaster representative.

**Figure 19 WIRING DIAGRAM – SINGLE PHASE, 115V**
Figure 20 ELECTRIC MOTOR LEAD HOOKUP DIAGRAM 3 PHASE MOTOR
GENERAL INFORMATION

MODEL
“75” BEEF SPLITTING SAW (1070000)

SERVICE CENTERS

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TELEPHONE: (626) 359-8888
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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
ELECTRICAL POWERED BEEF SPLITTING 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.

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

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.

INSTALLATION INSTRUCTIONS

ALL ELECTRICAL WIRING MUST BE DONE BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH THE NATIONAL, STATE AND LOCAL ELECTRICAL CODES. (REFER TO NAMEPLATE ON TOOL FOR PROPER POWER CONFIGURATION).

1. A BALANCER IS REQUIRED FOR OPERATION AND USE OF THIS TOOL. WEIGHT OF TOOL MUST FALL WITHIN WEIGHT RANGE OF BALANCER. "AIR-BALANCERS" WHICH OPERATE ON COMPRESSED AIR, ARE HIGHLY RECOMMENDED FOR USE WITH "75" SAWS. THEY PROVIDE LONG TRAVEL AND VERY SMOOTH, UNIFORM RISE AND FALL. THEY CAN BE INTERFACED WITH THE OPERATION OF THE SAW.

2. INSTALL BALANCER ABOVE WORK AREA. BALANCER MUST HAVE SUFFICIENT VERTICAL TRAVEL SO OPERATOR CAN REACH ENTIRE WORK AREA WITH TOOL WITHOUT STRAIN.

3. ADJUST BALANCER ACCORDING TO THE OPERATOR'S PREFERENCE AND COMFORT.

WE STRONGLY SUGGEST THAT AN ADDITIONAL SAFETY CHAIN BE USED TO CHAIN BALANCER TO OVERHEAD TROLLEY. THIS ADDITIONAL MEASURE OF SAFETY WILL HELP REDUCE INJURIES.

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© TELEPHONE: (818) 359-8888  FAX: (818) 303-5151
OPERATING INSTRUCTIONS

⚠️ WARNING ONLY TRAINED PERSONNEL ARE TO OPERATE THIS TOOL.

WITH THE LEFT HAND FIRMLY ON CONTROL HANDLE, PUSH DOWN ON THE REAR HANDLE WITH YOUR RIGHT HAND AND PLACE SAW IN THE CROTCH OF THE CARCASS. START THE MACHINE AND CUT THROUGH THE TAILBONE. WHILE CUTTING, MOVE YOUR RIGHT HAND FROM THE REAR HANDLE TO THE TOP OF THE MOTOR HANDLE, STANDING DIRECTLY BEHIND THE SAW. AS YOU CONTINUE DOWN THE CARCASS, PUSH THE SAW ALL THE WAY FORWARD AGAINST THE BACK OF THE CARCASS UNTIL YOU HAVE COMPLETED THE CUT. BY USING THE TRIGGER CONTROL HANDLE WITH YOUR LEFT HAND AND MOTOR HANDLE WITH YOUR RIGHT HAND, YOU CAN MAKE ADJUSTMENTS SO AS TO STAY IN THE CENTER OF THE BACK-BONE BY LIFTING ON ONE SIDE AND PUSHING DOWN ON THE OTHER SIDE. AS THE OPERATOR BECOMES EXPERT WITH THE MACHINE, HE MAY FIND INDIVIDUAL WAYS TO HANDLE THE SAW TO SUIT HIMSELF.

MAINTENANCE

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

TOOL REQUIRES CONTINUOUS LUBRICATION. VERIFY OILER CUP AT THE END OF EACH SHIFT AND ENSURE THAT THE OILER CONTAINS LIGHT-WEIGHT, FOOD-GRADE OIL, ENOUGH TO COVER BOTTOM OF OILER CUP. OIL CUP LUBRICATES THE SLIDE AND SHOULD BE ADJUSTED AS FOLLOWS:

1. FILL OIL RESERVOIR WITH OIL.
2. RAISE TOP ON-OFF LEVER UPRIGHT TO "ON" POSITION.
3. TURN FLOW ADJUSTMENT NUT CLOCKWISE TO OBTAIN 3-5 DROPS/MIN.
4. TURN LOCKNUT AGAINST FLOW ADJUSTMENT NUT.
5. TURN OILER "ON" (LEVER UPRIGHT) AT BEGINNING OF WORK SHIFIT AND DROP LEVER AT END OF WORKSHIFT FOR "OFF" POSITION. KEEP OIL RESERVOIR FULL.

BLADE REMOVAL AND CLEANING.

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

⚠️ WARNING ALWAYS WEAR WIRE MESH GLOVES WHEN INSTALLING OR REMOVING BLADES FROM TOOL.

TO INSTALL SAW BLADE, TO REMOVE SAW BLADE FROM THE MACHINE, REMOVE NUT #8500750 AND SCREW #8415080. REMOVE THE BLADE. TO INSTALL THE BLADE FOLLOW ABOVE PROCEDURE IN REVERSE.
DECLARATION OF CONFORMITY

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

DECLARATION OF CONFORMITY

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

TYPE / SERIES: BEEF SPLITTING SAW

MODEL: 75

SERIAL NO. RANGE: XXXXX

This product complies with the following European Community Directives:


The following Standards were used to verify compliance with the Directives:

EN 292

Approved by: RALPH KARUBIAN
Date: AUG - 1 - 1995
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