

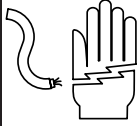
# INSTRUCTIONS

## WARRANTY INFORMATION

### 77ASSY - 77 Heater Assembly For Models MK32 & MJ31

**READ ALL DIRECTIONS CAREFULLY BEFORE BEGINNING INSTALLATION**

#### **⚠ WARNING ⚠**



1. **INSTALLATION MUST BE MADE AND MAINTAINED IN STRICT ACCORDANCE WITH NATIONAL/LOCAL PLUMBING AND NATIONAL/LOCAL ELECTRICAL CODES (CSA IN CANADA). INSTALLATION MUST BE MADE BY A QUALIFIED ELECTRICIAN. THE APPLICABLE PROVISIONS OF THE ABOVE MENTIONED CODES TAKE PRECEDENT. IMPROPER ELECTRICAL INSTALLATION AND MAINTENANCE MAY RESULT IN SERIOUS INJURY OR DEATH FOR PERSONNEL OR LIVESTOCK.**
2. **EACH ELECTRICAL UNIT MUST BE WIRED THROUGH A FUSED SWITCH BOX AND FUSED ACCORDING TO AMPS REQUIRED FOR EACH SPECIFIED ELECTRICAL UNIT. CANADIAN ELECTRICAL CODE--PART 1 REQUIRES LIVESTOCK WATERERS INSTALLED IN FEEDLOTS IN OPEN FEEDING AREAS TO BE GROUNDED BY A SEPARATE STRANDED COPPER GROUNDING CONDUCTOR OF AT LEAST NO. 6 AWG TERMINATING AT A POINT WHERE THE BRANCH CIRCUIT RECEIVES ITS SUPPLY.**
3. **THIS UNIT MUST BE GROUNDED TO A COPPER GROUND ROD 5/8" (1.6CM) DIAMETER BURIED AT LEAST 10 FEET (3.1 METERS) IN UNDISTURBED SOIL.**

**NOTE: MH30 takes two 77ASSY - 77 Assembly Heaters. MJ31, MK32 require only one.**

Part Number	Description	Qty.
77	Space Heater	1
MK315	Junction Box Stand-off Bracket	1
OF58	5/16-18 x 9/16 x 7/32 Hex Machine Nut, Brass	2
ISH77ASSY	Instruction Sheet	1

1. Remove the access door by turning the 2-1/4 Turn SS Studs (push in and twist counter-clockwise). Discontinue electrical service to any existing electric unit.
2. Inside the waterer on the underneath side of the trough, locate the center bolt that is welded to the bottom of the trough and protruding downwardly.
3. Place bracket on this center bolt and tighten with one of the brass nuts.
4. Place the heater on the bolt that is welded to the bottom of the bracket. Attach the heater to the bracket by placing the pre-drilled hole in the middle of heater on the bracket bolt. **MAKE SURE THE HEATING ELEMENT OF THE HEATER IS FACING UP AND THAT THE POWER CORD IS ON THE LEFT SIDE AS THE HEATER IS MOUNTED.** Turn the electric unit at an angle as much as possible (and still allow the access door to be replaced) so that you see and access the control knob. Tighten heater to the bottom of the bracket using the second brass nut.
5. Plug in power cord.

#### **WHEN ORDERING PARTS**

(1) Show MODEL NUMBER and NAME: Example - 77 Space Heater

#### **HOW TO ORDER PARTS**

Repair parts may be ordered from your dealer.



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## **WARRANTY**

The Model 77 Electric Heating Unit in all Pride of the Farm® and Brower® heated waterers carries a two year guarantee. All electric units will be repaired at no charge during the warranty period, provided they have been registered with the manufacturer on the card which accompanies the waterer. If the heating unit shows signs of customer abuse, it will be repaired but at the customer's expense. The manufacturer reserves the right to repair the defective unit or replace it with a new unit if the cost of repair is prohibitive. When the warranty period has expired or a unit is returned that has not been registered for warranty, it will be repaired or replaced and the customer charged accordingly.

All other parts of Pride of the Farm® and Brower® heated waterers are also covered with a one-year guarantee from the date of purchase against defects due to materials and workmanship. Warranted components should be returned to your dealer for shipment to our factory - Highway 16 West, P.O. Box 2000, Houghton, Iowa 52631 USA.