



HOW TO INSTALL YOUR AUTOMATIC ICE MAKER ECKMF-28₁

**KEEP ALL PARTS
IN THEIR OWN PACKAGE
UNTIL NEEDED**

PARTS ARE LISTED IN ORDER OF USAGE.
ARRANGE IN ORDER BEFORE STARTING INSTALLATION.

PART NUMBER	NAME	QUANTITY	USED IN STEP NUMBER
#1 (939029)	WIRING ASSEMBLY	1	3, 5
#2 (836489)	WATER TUBE FITTING	1	4
#3 (470168)	GRAY SEALER (PERMAGUM)	1	4, 9
#4 (939027)	WATER INLET TUBE (ALUMINUM)	1	5
#5 (939025)	SHIELD	1	5
#6 (538533)	CLIPS	2	5
#7 (489069)	SCREWS	3	5, 6
#8 (626457)	ICE MAKER—VALVE ASSEMBLY	1	6, 10, 11
#9 (939529)	ICE BUCKET	1	6
#10 (488878)	CLAMP	1	7
#11 (488645)	SCREW	3	7, 14, 15
#12 (841707)	TUBE INSERT	1	7
#13 (488366)	CLAMPS	2	15
#14 (939033)	GROMMET	1	9
#15 (488649)	SCREWS	1	11
#16 (488500)	SCREWS	1	12
#17 (627709)	PLASTIC TUBE ASSEMBLY	1	7, 13
#18 (941593)	COPPER TUBE ASSEMBLY	1	14
#19 (939009)	CLAMP	1	16

Tools and Other Items You Will Need

TOOLS NEEDED

- Phillips head screwdriver
- 5" (total length) slot head screwdriver
- Pliers

MATERIALS NEEDED

- ¼" O.D. Copper Tubing—See Step D2 for length
- 1—Shut-off valve—¼" outlet
- 1—Tube Union—¼" x ¼"

These parts available from your Whirlpool dealer or local hardware store.

1 Unplug Electric Plug From Wall

CONNECTING ICE MAKER TO FREEZER WALL

2 Remove Plugs and Cover From Freezer Wall

Remove plugs and screw.

Remove INTERIOR TUBE COVER reuse in step 5.

Snap off wiring/entrance tab

SCREW

EQUIPPED FOR AUTOMATIC ICE MAKER

INTERIOR TUBE COVER

3 Remove Plugs From Refrigerator Back

Remove screws save reuse in step 4.

Remove WATER FILL COVER

JUNCTION BOX

Remove WIRING HOLE COVER

CARDBOARD (or masking tape) for protection.

Put wiring assembly (#1 939029), black plug end first (green wire on top), through lower hole on back of refrigerator.

4 Install Water Tube

#3 (470168) (GRAY) PERMAGUM SEALER

#2 (836489) WATER TUBE FITTING

5 Install Clips And Shield

Place SHIELD #5 (939025) over 3 holes in side wall of freezer. Attach clip #6 (538533) and screw #7 (489069) through each of top 2 holes in shield. Leave screws loose.

#6 (538533) CLIPS

#7 (489069) SCREWS

CLIPS should stay upright until ICE MAKER is in place on SHIELD.

#5 (939025) SHIELD

Slip TUBE over WATER INLET TUBE. Push on WATER INLET TUBE #4 (939027).

Green wire must be on top.

EQUIPPED FOR AUTOMATIC ICE MAKER

Reinstall INTERIOR TUBE COVER

#1 (939029) WIRING ASSEMBLY (about 4-5 inches of wiring assembly should be in the freezer compartment.)

#5 (939025) SHIELD

6 Plug-in Ice Maker

Green wire must be on top.

#8 (626457) ICE MAKER

WIRES must be above BRACKET.

BRACKET

WARNING—DO NOT PINCH WIRES BETWEEN BRACKET AND SIDE OF FREEZER.

Rotate CLIPS down and tighten SCREWS.

Now ICE BUCKET #9 (939529) can be slid under ICE MAKER.

#7 (489069) SCREW

7 Connect Water Line Between Water Valve

GREEN WIRE

TAN WIRE

WHITE WIRE

#10 (488878) CLAMP

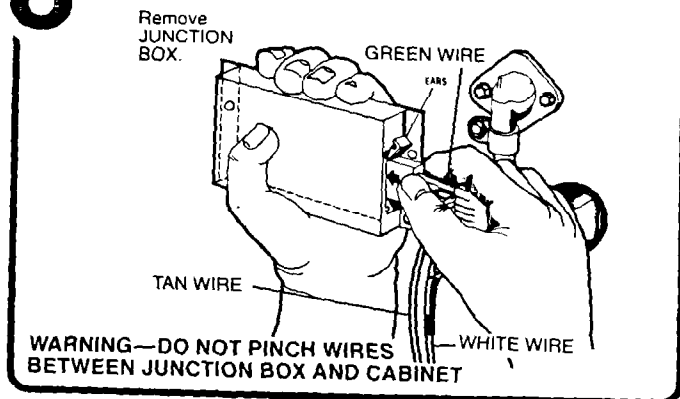
#11 (488645) (With SCREW)

#12 (841707) TUBE INSERT

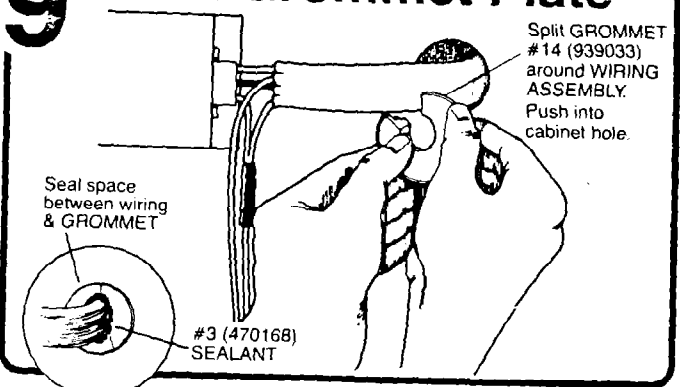
WIRING ASSEMBLY

PLASTIC TUBE ASSEMBLY #17 (627709) (Feeds under WIRING ASSEMBLY.)

8 Install Wiring Harness

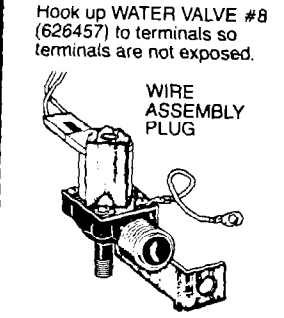


9 Insert Grommet Plate

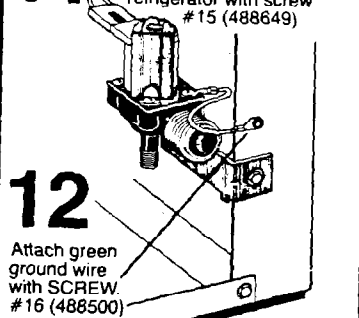


INSTALLING WATER VALVE

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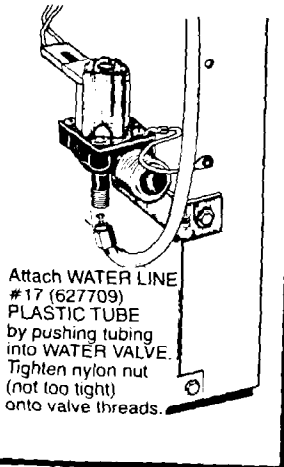
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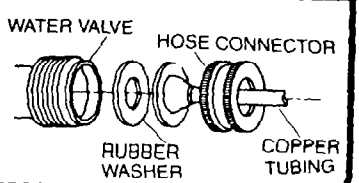
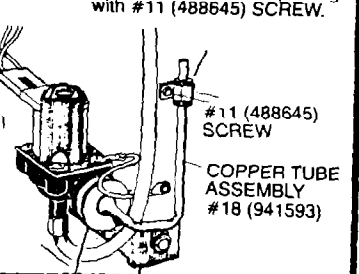
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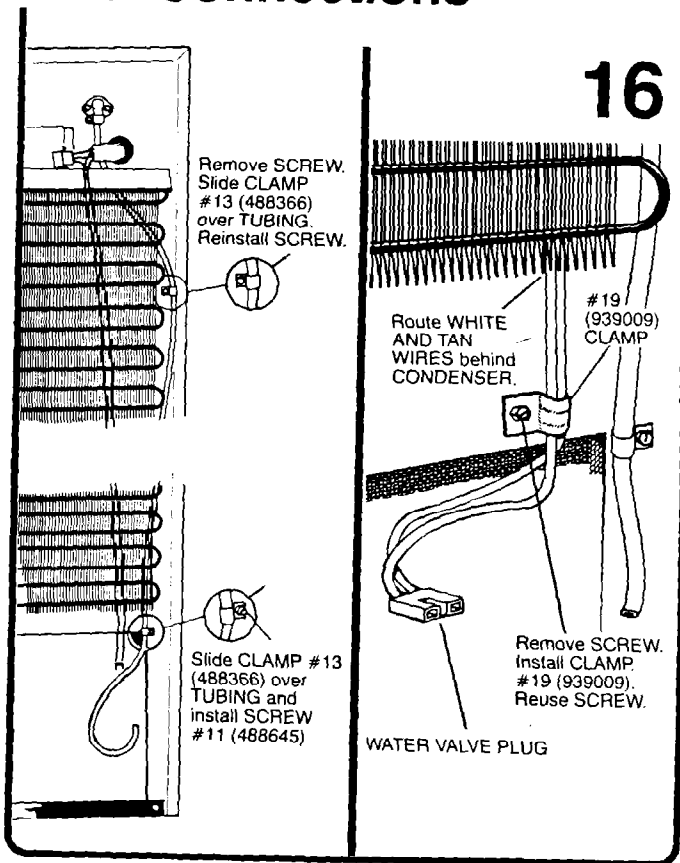
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15 Wiring and Connections

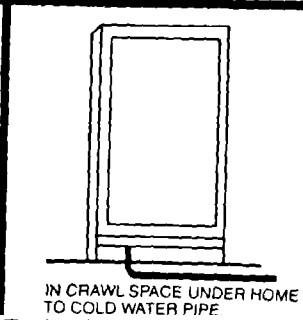
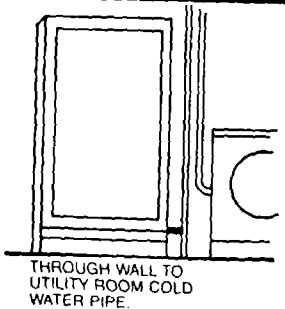
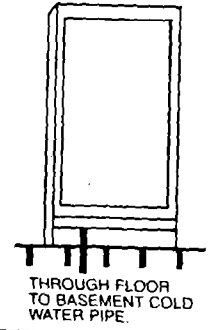


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CONNECT ICE MAKER TO WATER SUPPLY

YOU WILL NEED ENOUGH 1/4-INCH O.D. COPPER TUBING TO CONNECT REFRIGERATOR TO WATER SOURCE. (SEE STEP 2 ON NEXT PAGE.)

TYPICAL WAYS TO CONNECT TO WATER SUPPLY.



CAUTION: ICE MAKER TUBING SHOULD NOT BE INSTALLED WHERE TEMPERATURE MAY FALL BELOW FREEZING.

Connect Ice-Maker To Water (Contd.)

1. Find a 3/8-inch to 1-inch vertical COLD water pipe near the refrigerator. (Horizontal pipe will work...but extra precautions must be taken.) (See * in Step 4.)
2. Measure from inlet on rear of refrigerator to water pipe. Add 7 feet to allow for moving refrigerator for cleaning. This is the length of 1/4-inch O.D. copper tubing you will need for the job (length from inlet tube to water pipe PLUS 7 feet). Be sure both ends of copper tubing are cut square.
3. Turn OFF main water supply. Turn ON nearest faucet long enough to clear line of water.
4. **Using a grounded drill**, drill a 3/16-inch hole in the vertical cold water pipe you have selected.

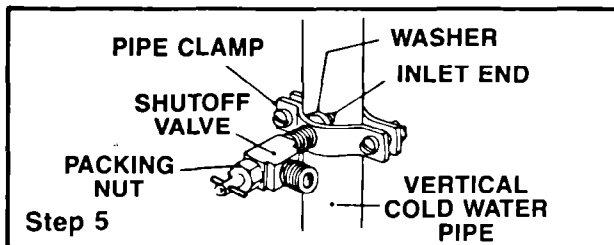
Some water almost always remains in pipes. If it enters the drill, it can cause lethal shock. **BE SURE YOUR DRILL IS GROUNDED.**

Fasten a separate ground wire from drill to a good ground that complies to local electrical codes. (If in doubt, consult a licensed electrician.) **UNLESS PROPER GROUNDING IS FOLLOWED, YOU ARE NOT PROTECTED AGAINST SEVERE OR LETHAL SHOCK.**

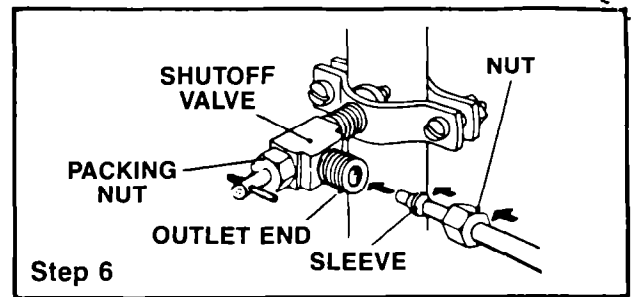
- * If you must use a horizontal pipe, take extra precautions:

Drill on the top or side of the pipe, not bottom. This helps keep water away from the drill. Also, it keeps normal sediment from collecting in the valve.

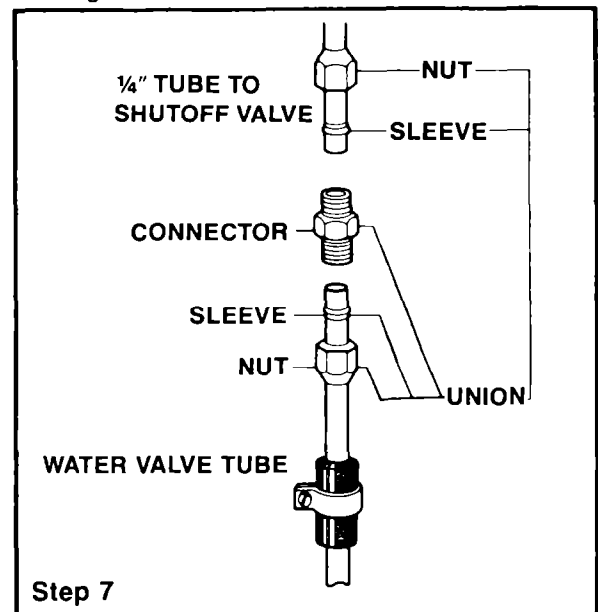
5. Fasten *shutoff valve* to cold water pipe with pipe clamp. Be sure *inlet end* is solidly in the 3/16-inch drilled hole in the water pipe and that *washer* is under the *pipe clamp*. Tighten packing nut. Tighten the *pipe clamp* screws carefully and evenly so *washer* makes a watertight connection. Do not overtighten or you may crush copper tubing, especially if soft copper tubing is used. Now you are ready to connect the copper tubing.



6. Slip *compression nut* and *compression sleeve* on copper tubing as shown in diagram. Insert end of tubing into *outlet end* squarely as far as it will go. Screw *compression nut* to *outlet end* with adjustable wrench. Do not overtighten. Turn ON main water supply and flush out tubing until water is clear. Turn OFF *shutoff valve* on the water pipe. You are now ready to connect other end of 1/4-inch copper tubing to inlet tube or water valve on back of refrigerator.



7. Assemble *compression nuts* on tubing as shown in diagram. Insert ends of tubing into *connector* and tighten *compression nuts*. Be sure ends of tubing are squarely in connector as far as they will go. Do not overtighten.



8. Turn shutoff valve on. **TIGHTEN ANY CONNECTIONS OR NUTS THAT LEAK.**
9. Copper tubing may now be fastened to baseboard.
10. The Ice Maker has a built-in water strainer on the inlet side of the water valve. Use a second water strainer when local water conditions require periodic cleaning or a well is your source of water. The strainer can be installed in the 1/4-inch water line.
11. Water pressure should not be below (15 P.S.I.) or above (125 P.S.I.). If problem occurs call your Utility Company.
12. **PLUG IN YOUR REFRIGERATOR.** When you have your first batch of ice you may throw away extra parts.

IMPORTANT:

It may take up to 24 hours for your Ice Maker to begin producing ice crescents.

To enjoy your Ice Maker most PLEASE READ CAREFULLY THE ICE MAKER SECTION OF YOUR USE AND CARE GUIDE.

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