

INSTALLATION INSTRUCTIONS

LX_e DISHWASHERS - DRAIN WATER TEMPERING KIT PART NO. 00-942097

KIT CONTENTS

NOTE: This kit is used on the following LX_e / LXGe. Refer to the proper section for installation instructions.

- INSTALLATION - 120VAC and 120 / 208 - 240VAC Standard 3-Wire LX_e / LXGe
- INSTALLATION - 3PH or 2-Wire LX_e / LXGe

| PARTS USED ON BOTH INSTALLATIONS | | |
|----------------------------------|---|------|
| PART NUMBER | DESCRIPTION | QTY. |
| 00-942160 | ADAPTER, TEE, DWT | 1 |
| 00-942103 | BRACKET, PUMP, DWT | 1 |
| 00-271008 | BREAKER, VACUUM, 3/8" | 1 |
| 00-558090 | CLAMP, HOSE, 17MM | 4 |
| 00-528499 | CLAMP, HOSE, WORM DRIVE, SST, #10 | 2 |
| FP-015-10 | ELBOW, PIPE 3/8 X 90 DEG STREET | 1 |
| FP-090-30 | FITTING HOSE 3/8 HOSE TO 3/8 MPT | 1 |
| FP-091-33 | FITTING, 3/8 NPT X 3/8 STEM | 1 |
| FP-091-34 | FITTING, 3/8 STEM X 3/8 BARB | 1 |
| 00-941726-00010 | HOSE, 3/8" X 23-5/8" | 1 |
| 00-941726-00009 | HOSE, 3/8" X 25" | 1 |
| 00-942104 | MOUNT, VACUUM BREAKER | 1 |
| NS-047-82 | NUT, STOP SP 1/4-20 (RGLR, LIGHT) | 4 |
| SC-041-50 | SCREW, CAP 1/4-20 X 1/2 (HEX) | 4 |
| FP-091-35 | VALVE, CHECK, 3/8 QUICK CONNECT | 1 |
| 00-941798 | VALVE, WATER | 1 |
| SD-008-17 | SCREW | 2 |
| 00-947823 | WIRING HARNESS | 1 |
| 0F-38439 | DWT-LX _e WIRING DIAGRAM, BILINGUAL | 1 |
| F45477 | KIT INSTRUCTIONS | 1 |
| 00-293625 | FILL HOSE | 1 |
| 00-526373 | TEFLON® TAPE | 1 |
| 00-948389 | Cover, DWT Valve NOTE: Only used on 3PH or 2-wire machines. Discard for all others. | 1 |
| SC-117-49 | SCREW, MACH, MET M6 X 1.0 X 10MM NOTE: Only used on 3PH or 2-wire machines. Discard for all others. | 2 |

| PARTS ONLY USED ON 120VAC and 120 / 208 - 240VAC Standard 3-Wire LX _e / LXGe | | |
|---|---|------|
| PART NUMBER | DESCRIPTION | QTY. |
| 00-942103 | BRACKET, PUMP, DWT NOTE: Discard for 3PH or 2-Wire LX _e / LXGe | 1 |
| SD-008-17 | SCREW | 2 |

| PARTS ONLY USED ON 120VAC and 120 / 208 - 240VAC Standard 3-Wire LXe / LXGe | | |
|---|---|------|
| PART NUMBER | DESCRIPTION | QTY. |
| | NOTE: Discard for 3PH or 2-Wire LXe / LXGe | |

| PARTS ONLY USED ON 3PH or 2-Wire LXe / LXGe | | |
|---|--|------|
| PART NUMBER | DESCRIPTION | QTY. |
| 00-948389 | Cover, DWT Valve NOTE: Discard for 120VAC and 120 / 208 - 240VAC Standard 3-Wire LXe / LXGe. | 1 |
| SC-117-49 | SCREW, MACH, MET M6 X 1.0 X 10MM NOTE: Discard for 120VAC and 120 / 208 - 240VAC Standard 3-Wire LXe / LXGe. | 2 |

NECESSARY TOOLS

| | | | |
|--------------------|---------------------|--------------------------|--------|
| • Hose Y-Connector | • Hose Cutter/Knife | • #2 Philips Screwdriver | • File |
| • Pliers | • 7/16" Wrench | • Flat-head Screwdriver | |

INSTALLATION - 120VAC AND 120 / 208 - 240VAC STANDARD 3-WIRE LXE / LXGE

NOTICE These instructions are not intended to be all encompassing. If you have not attended a Hobart Service School for this product, you should read the following procedure in its entirety, to determine if you have the necessary tools, instruments and skills required to perform the procedure. If you do not have the tools, instruments and skills, the installation should be performed by a trained Hobart Service Technician.



WARNING Disconnect the electrical power to the machine and follow lockout / tagout procedures.

NOTE: 00-948389 & SC-117-49 can be discarded for 120VAC and 120 / 208 Standard 3-Wire LXe / LXGe units.

1. Shut off water supply.

NOTE: If you are installing this kit on an LXeR, a Y-connector (acquire locally) for the cold supply. This allows the drain water tempering kit can run off the existing cold supply.

2. Open door and remove screws securing control panel cover.



Fig. 1

3. Pull control panel cover out to stops.

4. Remove front, left side and rear trim panels.

5. Remove cutout from rear trim panel.

NOTE: Carefully remove any burrs or sharp edges.

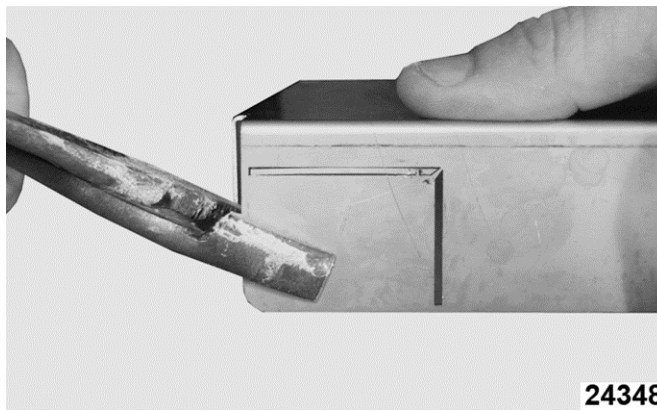


Fig. 2

6. At front of machine, disconnect existing drain pump wires.

NOTE: Pull on plastic terminal covers, not on wires.

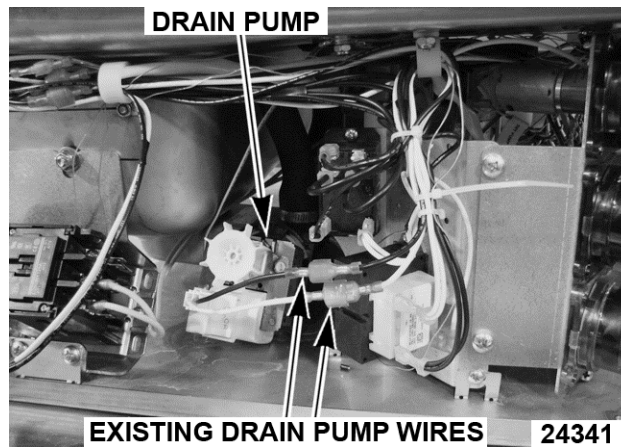


Fig. 3

7. Connect included DWT wiring to drain pump wires.

NOTE: Connect black wires to black and white wires to white.

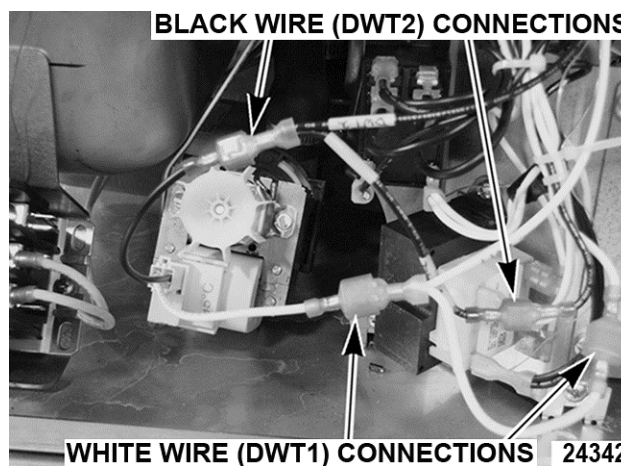


Fig. 4

8. Route DWT wires up to p-clips and around left side of machine.

NOTE: Make sure wires are safely in p-clips and clear of drain pump fan and door spring.

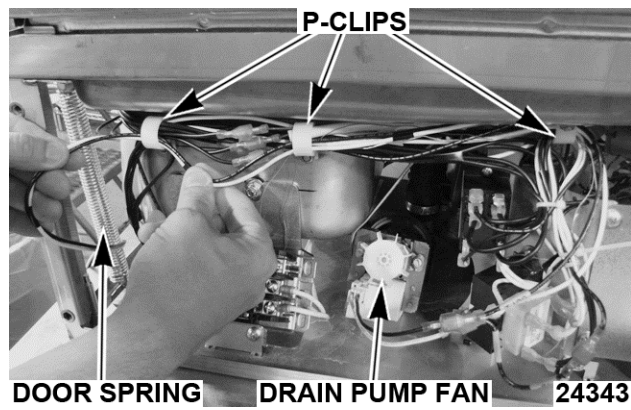


Fig. 5

9. Assemble vacuum breaker sub-assembly.

NOTE: Use Teflon tape on all threaded joints.

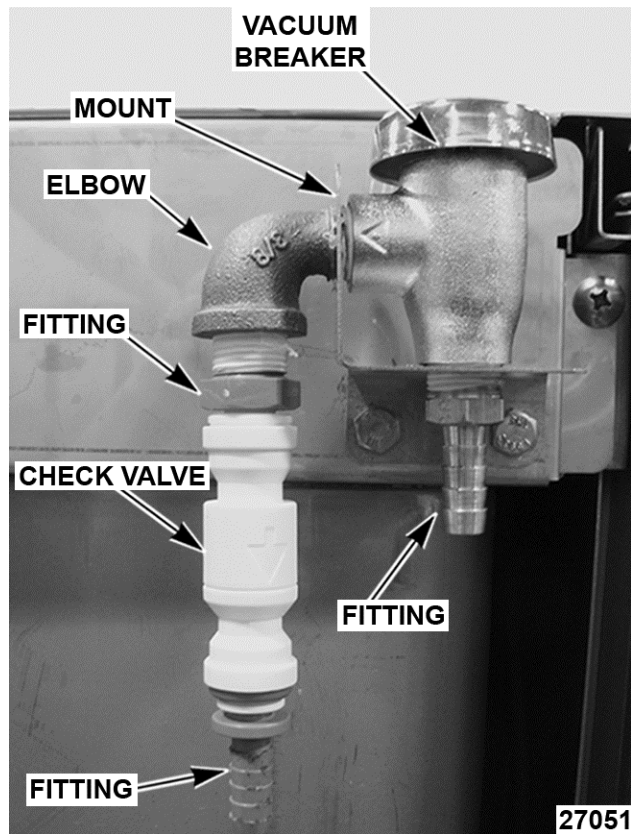


Fig. 6

10. Mount vacuum breaker sub assembly in upper right corner of the rear of the machine.

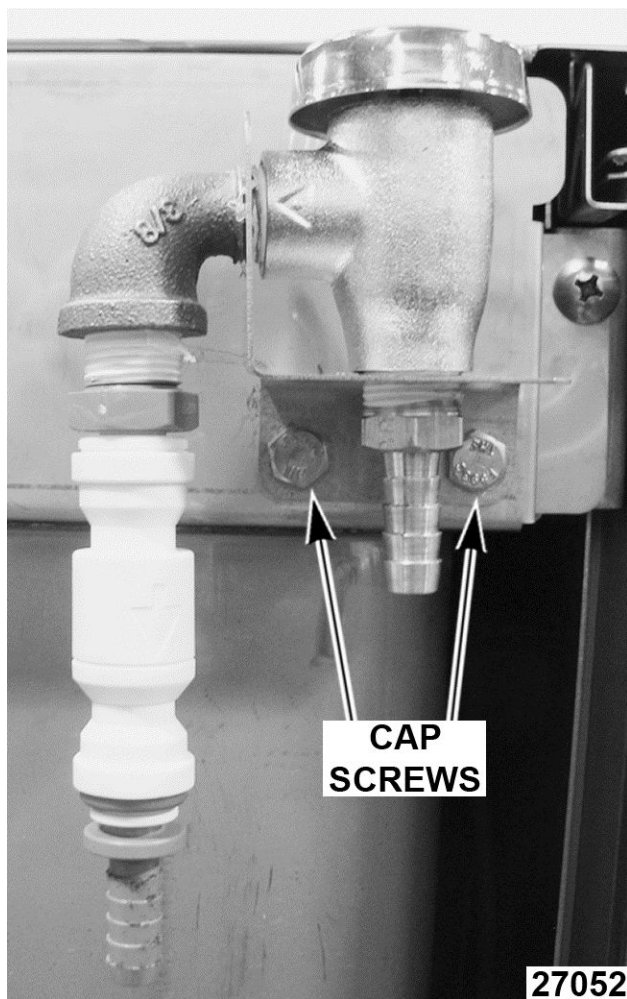


Fig. 7

11. Remove junction box from back of dishwasher.

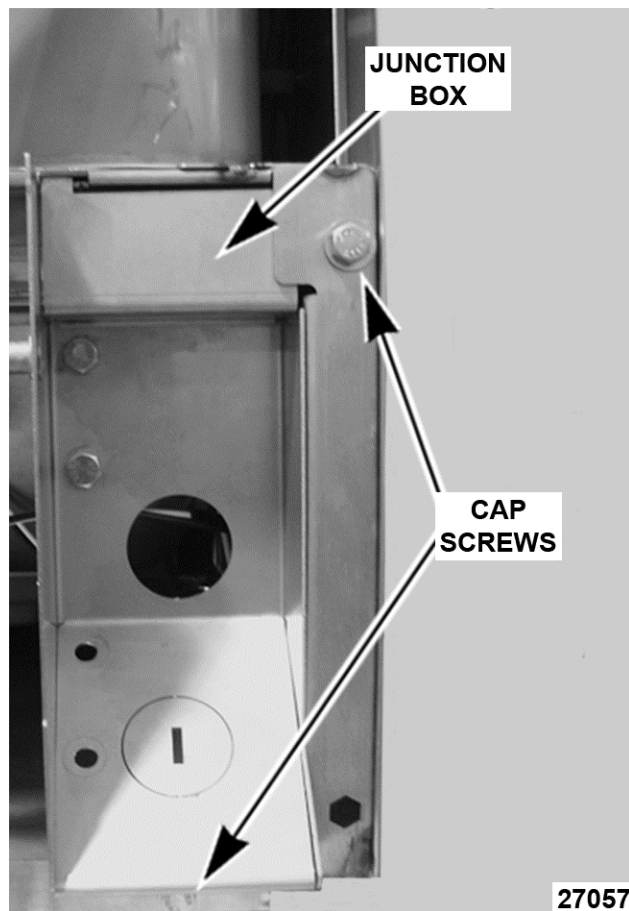


Fig. 8

- A. Assemble water valve sub-assembly as shown below. Correct orientation is critical.

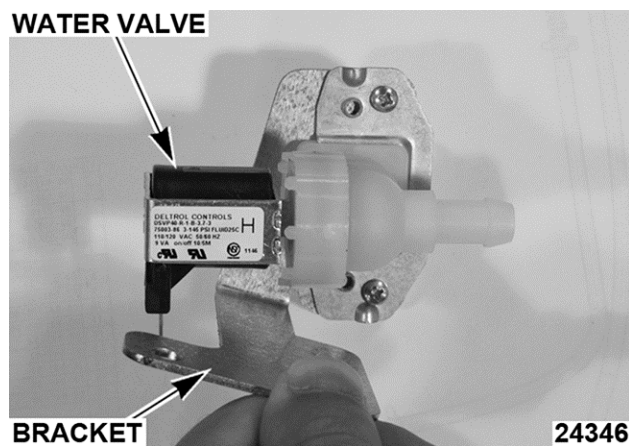


Fig. 9

- B. Mount water valve sub-assembly to back of junction box.
- C. Connect cold water supply line (fill hose) to water valve assembly.
- D. Connect DWT wiring to water valve.

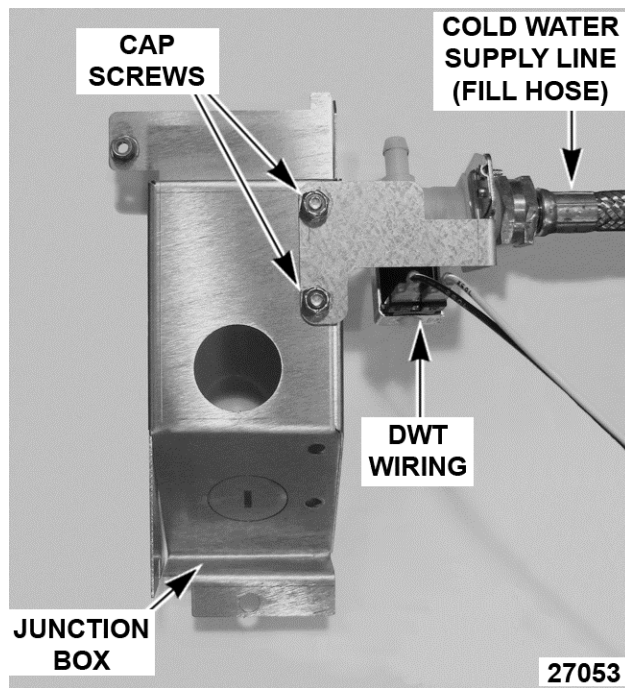


Fig. 10

- E. Connect 22" hose (supplied) to barbed fitting on top of water valve assembly.

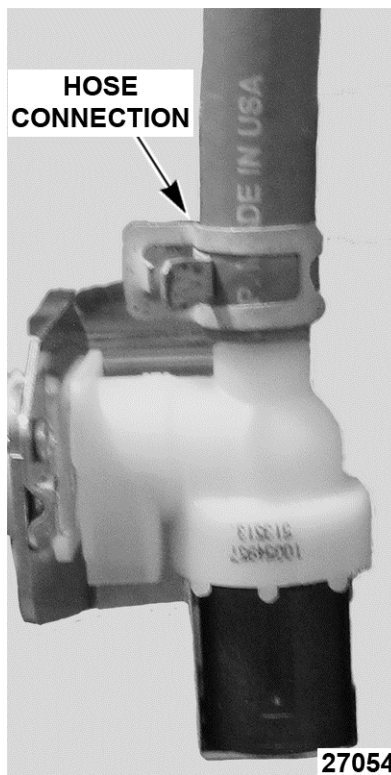


Fig. 11

12. Install junction box on dishwasher. Verify junction box is behind frame and tab is located in slot.

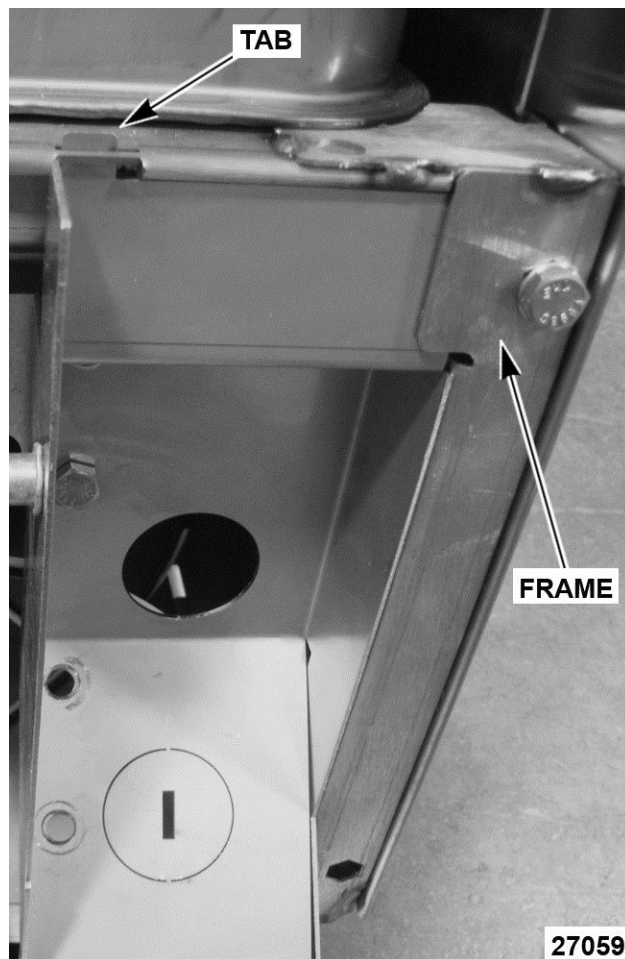


Fig. 12

13. Cut drain hose and install adapter tee.

NOTE: Make cut 2-3" from bend in drain hose so that entire adapter tee and hose clamps are above rear trim panel line. Orientation of adapter tee and hose clamps is critical.

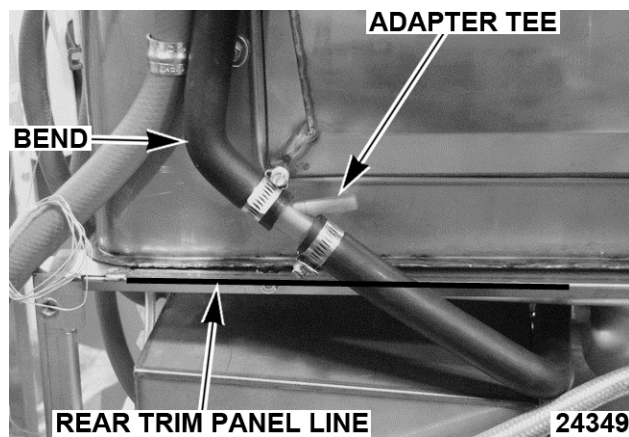


Fig. 13

14. Connect included hoses to vacuum breaker assembly.

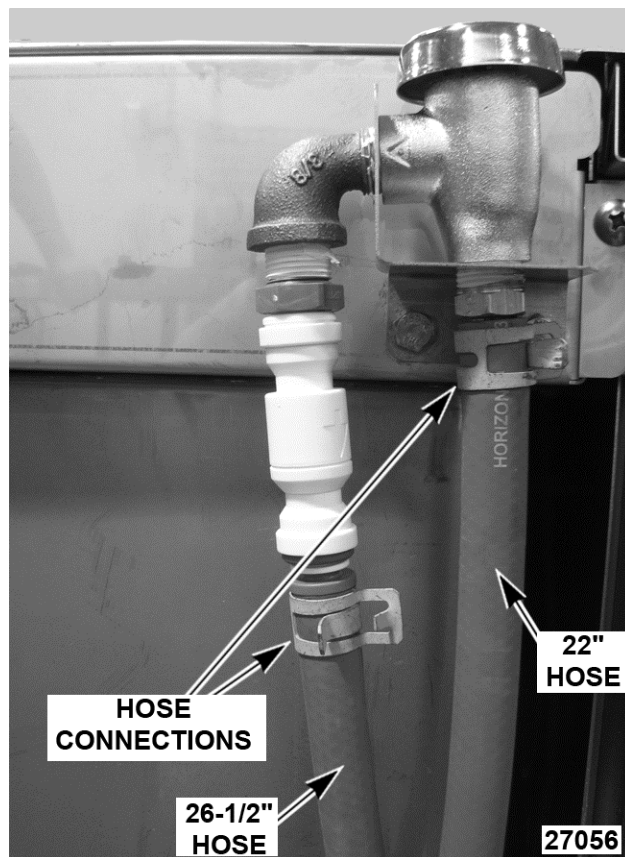


Fig. 14

15. Connect drain hose (26-1/2") to tee.

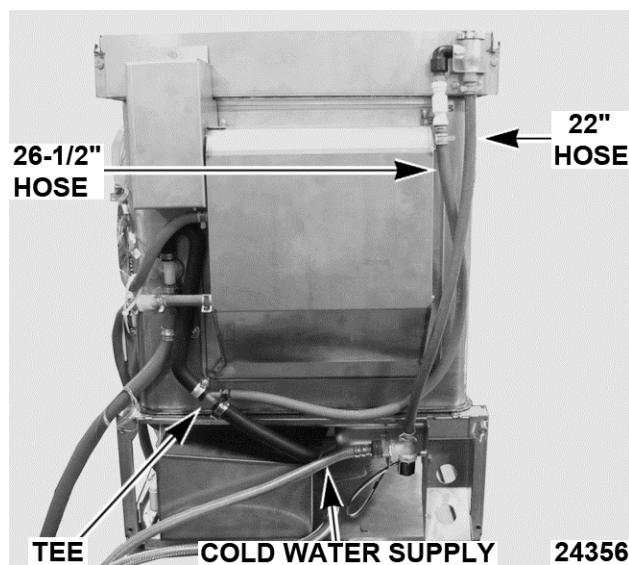


Fig. 15

16. Install included wiring diagram on inside of front trim panel near main wiring diagram.

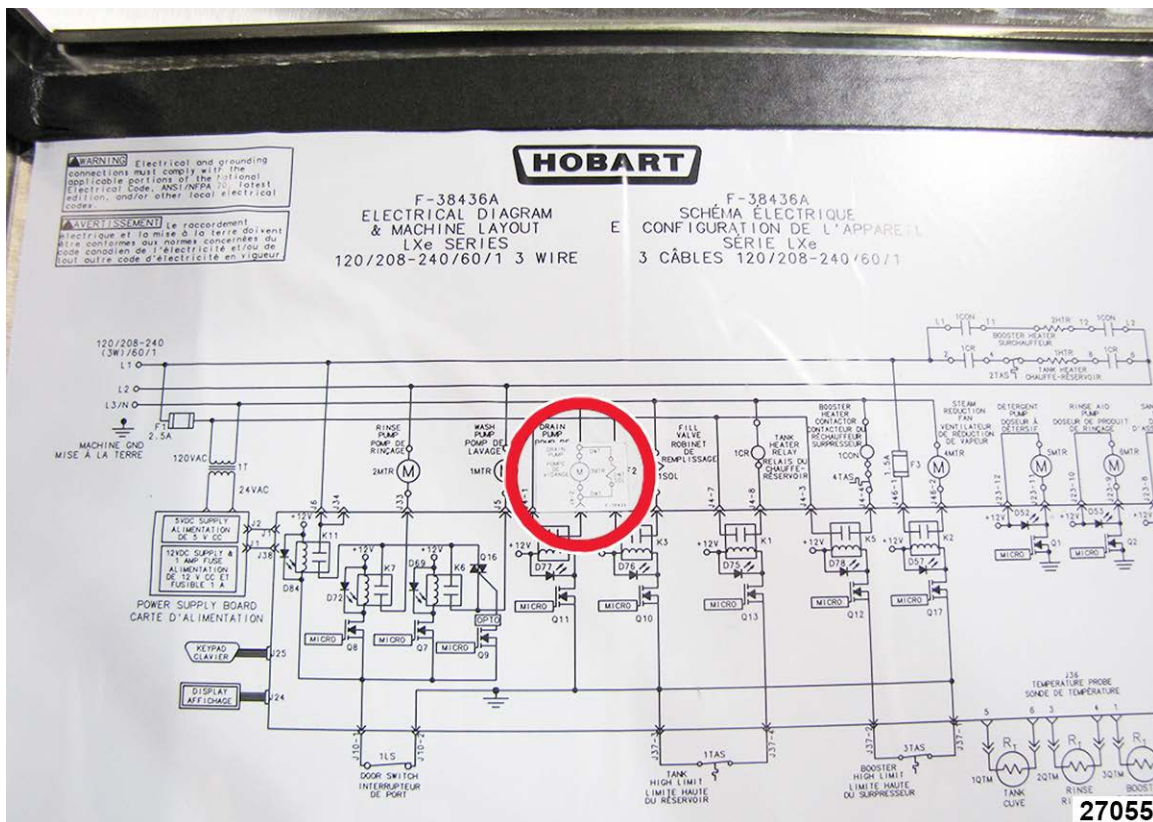


Fig. 16

17. Install rear, left side and front trim panels.
18. Open door and install screws securing control panel cover.
19. Check for leaks and verify drain water is below 140°F.

INSTALLATION - 3PH OR 2-WIRE LXE / LXGE

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WARNING Disconnect the electrical power to the machine and follow lockout / tagout procedures.

1. Shut off water supply.

NOTE: If you are installing this kit on an LXeR, a Y-connector (acquire locally) for the cold supply. This allows the drain water tempering kit can run off the existing cold supply.

2. Open door and remove screws securing control panel cover.

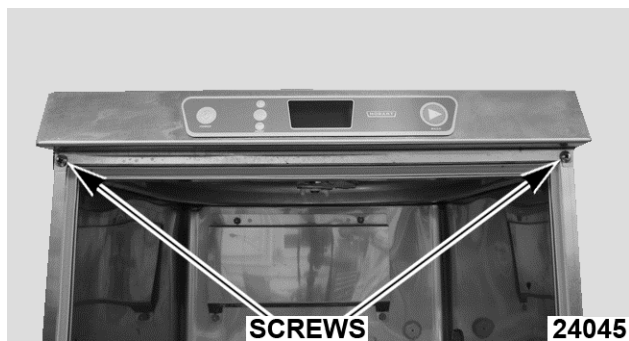


Fig. 17

3. Pull control panel cover out to stops.
4. Remove front, left side and rear trim panels.
5. Disconnect existing drain pump wires, located at the front of machine,

NOTE: Pull on plastic terminal covers, not on wires.

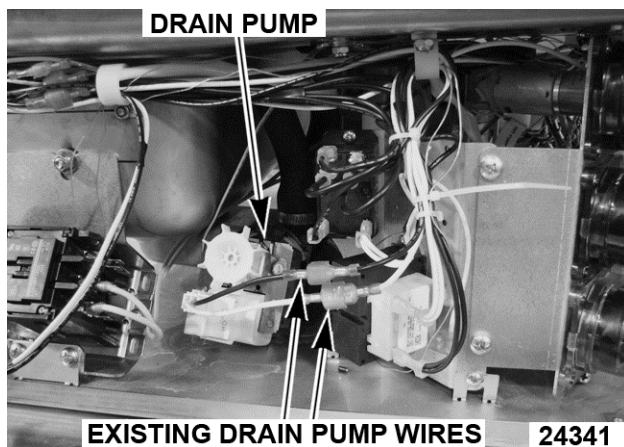


Fig. 18

6. Connect included DWT wiring to drain pump wires.

NOTE: Connect black wires to black and white wires to white.

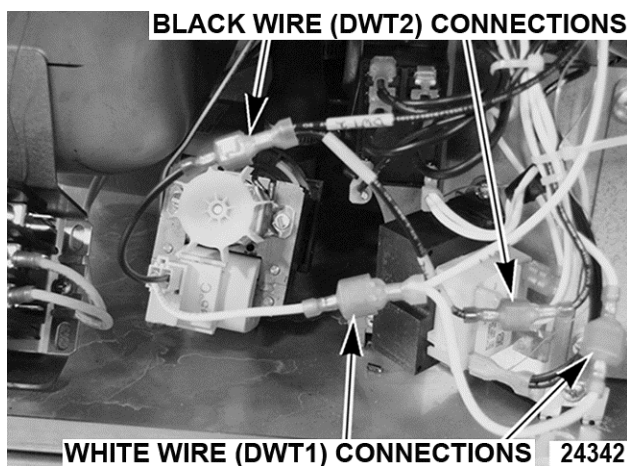


Fig. 19

7. Route DWT wires up to p-clips and around left side of machine.

NOTE: Make sure wires are safely in p-clips and clear of drain pump fan and door spring.

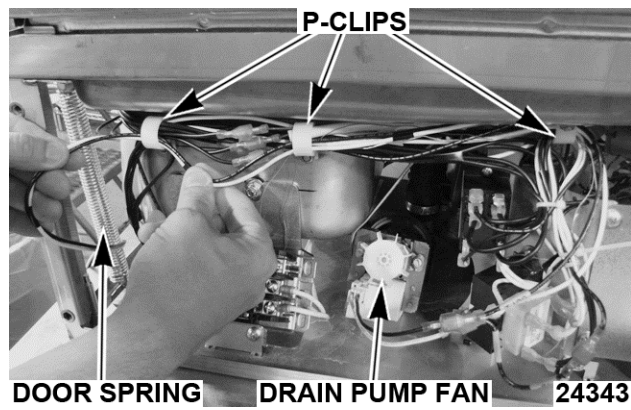


Fig. 20

8. Assemble vacuum breaker sub-assembly.

NOTE: Use Teflon tape on all threaded joints.

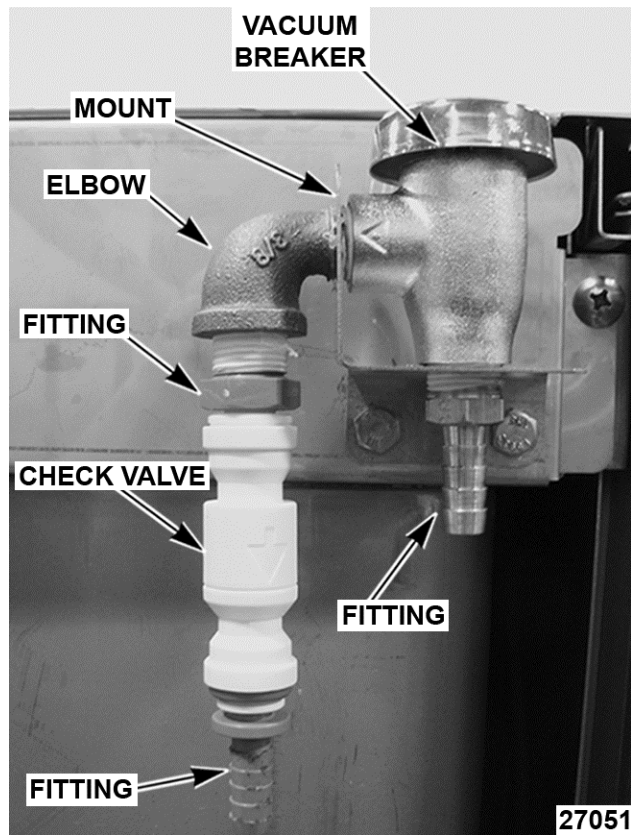


Fig. 21

9. Mount vacuum breaker sub assembly in upper right corner of the rear of the machine.

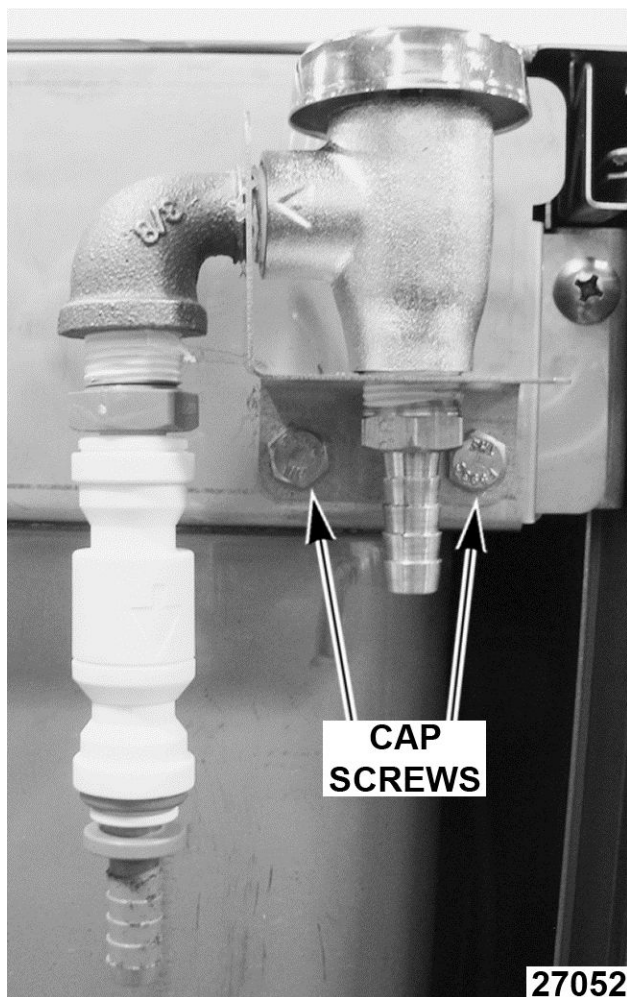


Fig. 22

10. Assemble water valve sub-assembly as shown below. Correct orientation is critical.

NOTE: Rotate valve 90 degrees (if applicable) to easily access valve connections.

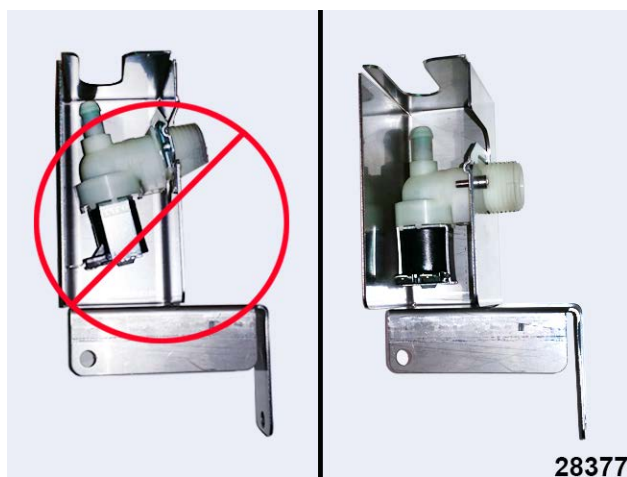


Fig. 23

11. Connect cold water supply line (fill hose) [1] (Fig. 24) to water valve sub-assembly.
12. Connect 22" hose (supplied) [2] (Fig. 24), with barbed fitting, on top of water valve assembly.
13. Connect DWT wiring to water valve.
14. Install DWT Valve Cover [3] (Fig. 24) to back of junction box.

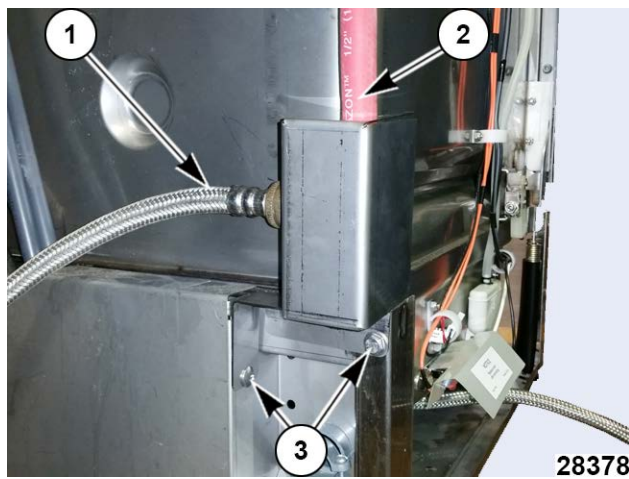


Fig. 24

15. Cut drain hose and install adapter tee.

NOTE: Make cut 2-3" from bend in drain hose so that entire adapter tee and hose clamps are above rear trim panel line. Orientation of adapter tee and hose clamps is critical.

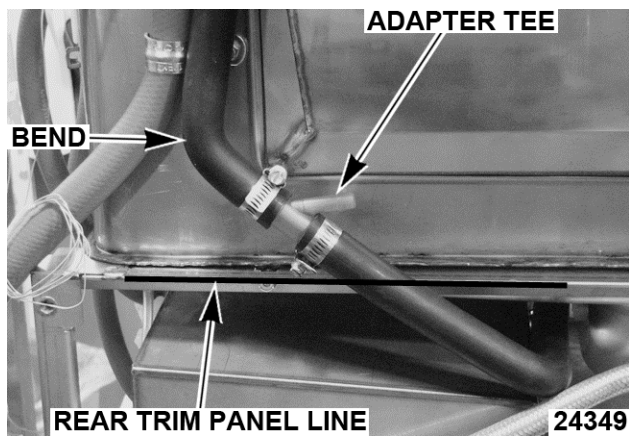


Fig. 25

16. Connect included hoses to vacuum breaker assembly.

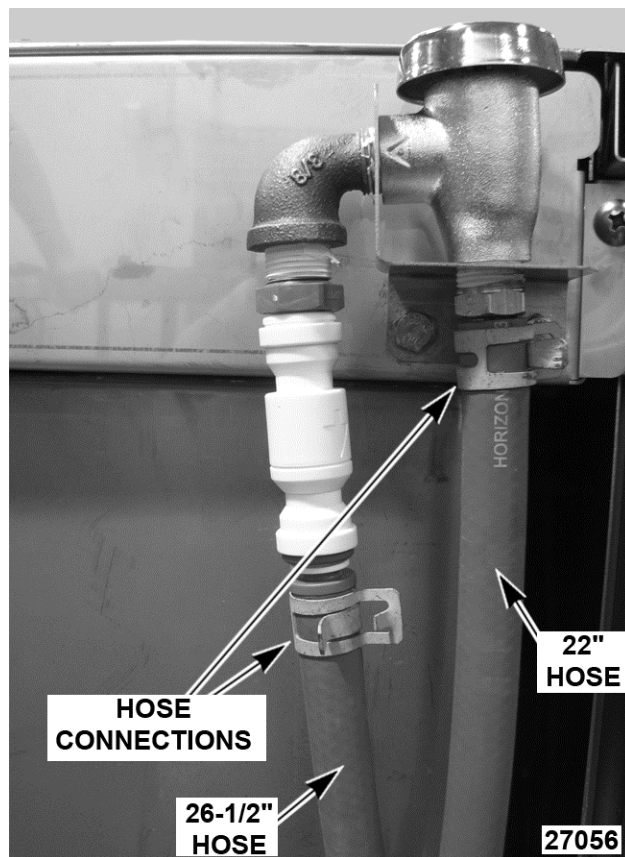


Fig. 26

17. Connect drain hose (26-1/2") to tee.

NOTE: 120VAC, 3-Wire, and 120 / 208 Standard LXe / LXGe shown.

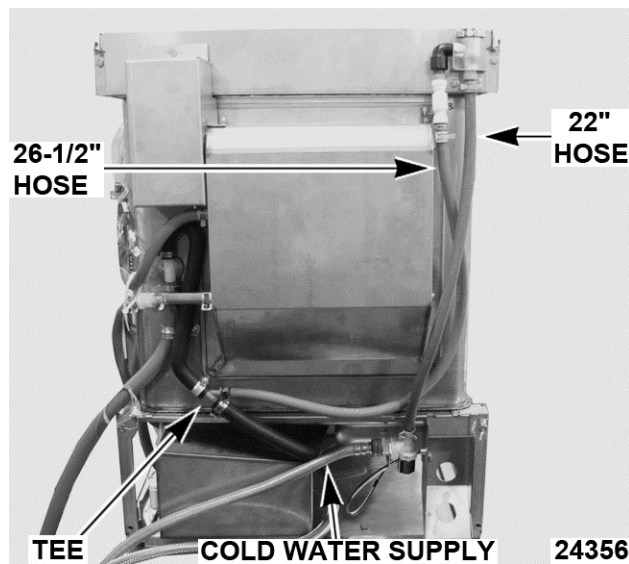


Fig. 27

18. Install included wiring diagram on inside of front trim panel near main wiring diagram.

