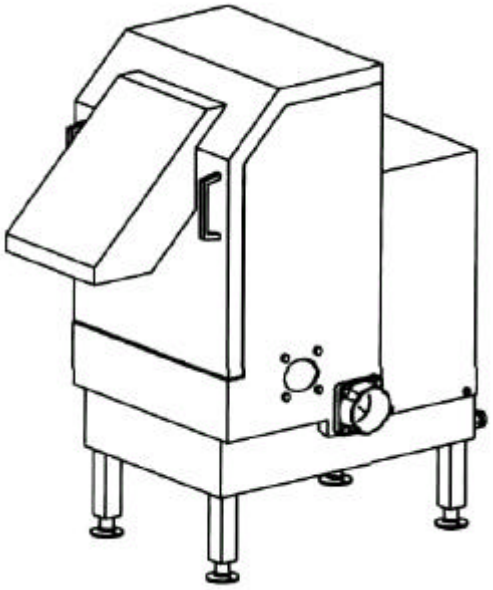
WASTEXPRESS

FOOD WASTE REDUCTION SYSTEM

IN SINK ERATOR

SERVICE MANUAL
(WX-1, WX-2, WX-3, WX-4)



DANGER DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING WARNING indicates a potential hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

Ensure that the person servicing the Mini Waste Xpress carefully reads and understands the safety instructions in this manual.

Part No. 14272 April 2000

MINI WASTE REDUCTION SYSTEM LIMITED WARRANTY

The In-Sink-Erator Mini Waste Xpress, disposer and control centers are warranted against detects in material and workmanship for one year from the date of installation. The warranty includes parts and labor, provided an In-Sink-Erator Factory Authorized Service Center performs the service. This *warranty does not apply if the failure is due to: faulty or improper electrical installation, faulty or improper plumbing installation, product abuse or misuse, accidental damage, clogged drain lines, improperly sized unit (as specified by In-Sink-Erator).*

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Introduction

The In-Sink-Erator Mini Waste Xpress is a commercial kitchen waste reduction system that utilizes a standard commercial food waste disposer inline with the Mini Waste Xpress dewatering system. The kitchen waste is ground through the disposer then transferred to the Mini Waste Xpress where it is compressed. After the waste is compressed, the liquids are sent down the drain line and the solid waste exiting the Mini Waste Xpress is 85% less in volume. (See figure 1 -1 for typical installation.)

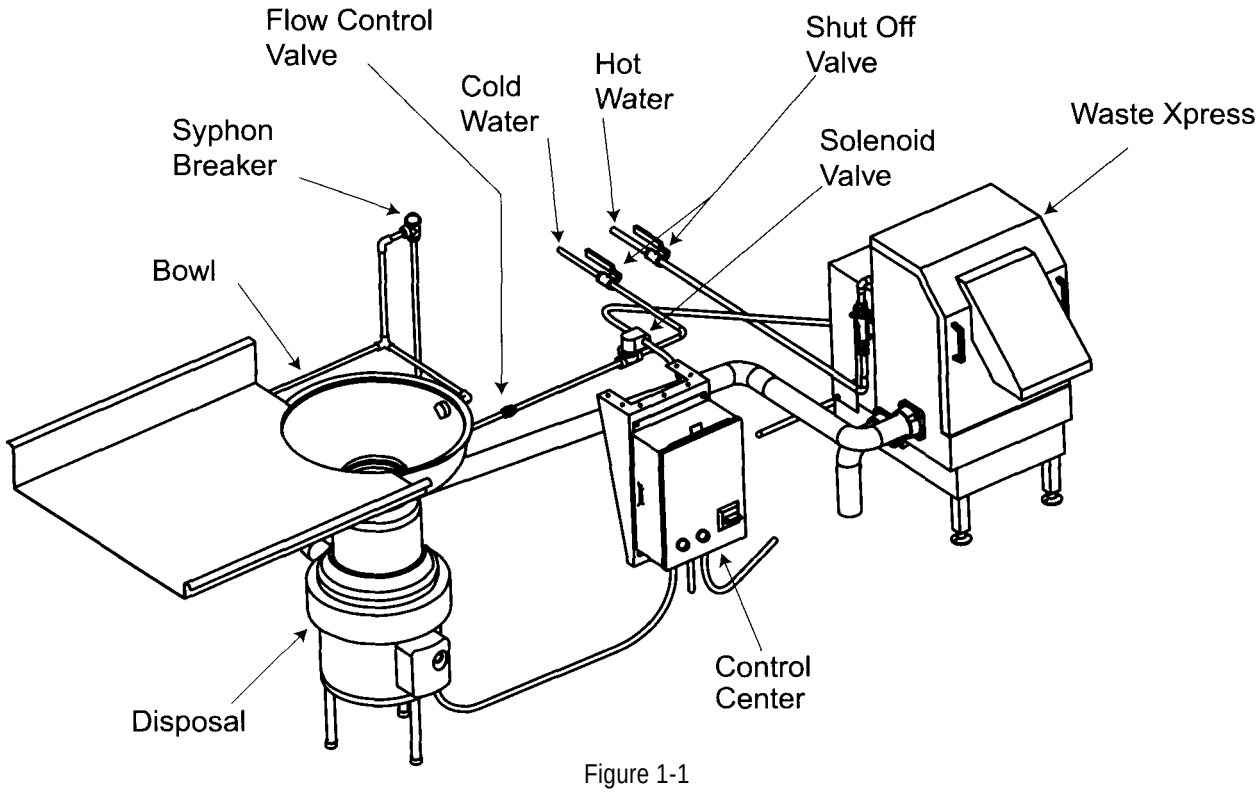


Figure 1-1

PRIOR TO SERVICE CALL

- Obtain the model number, serial number, voltage and phase from the customer to prepare for the service call.
- Check the service history of the Mini Waste Xpress.
- Make sure the customer has checked for foreign objects jammed in auger area (see troubleshooting).

Defining Problems

DEFINING PROBLEMS

Before troubleshooting for mechanical problems, determine if the problem is electrical.

• Do the Mini Waste Xpress electrical specifications match those of the electrical power supply, control center and disposer?

• Are the motor lead connections correct for the corresponding power supply?

• If the problem is electrical, determine if there are electrical problems with other kitchen appliances (this may indicate a problem in the electrical circuitry of the building).

Are the water connections installed correctly?

A hot water supply should be connected to 1/2" copper tube water inlet as specified per local codes. (In-Sink-Erator recommends installing a shut off valve close to unit).

AFTER COMPLETING SERVICE

Test the Mini Waste Xpress for proper operation and ensure that the fittings are secure and do not leak.

NOTE: Please references the Mini Waste Xpress Parts List (14273) for additional part identification when servicing the Mini Waste Xpress.

Testing & Replacing Discharge Chute Interlock Assembly

⚠ DANGER

Electrical Shock

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

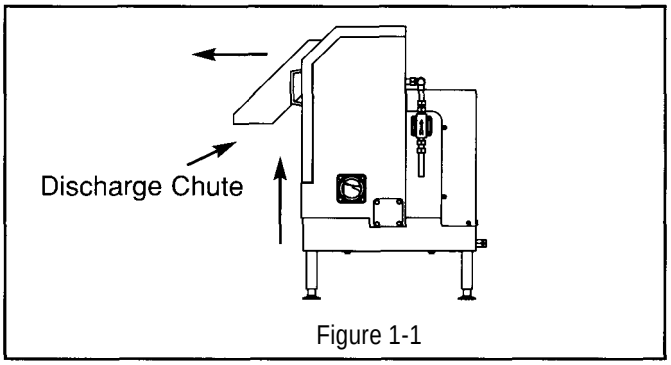


Figure 1-1

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Holding both handles remove discharge chute by tilting it upward (see figure 1-1).
3. Remove rear panel by removing the screws securing it in place (see figure 1-2).
4. Remove control box cover by removing the screws securing it in place (see figure 1-3).
5. Install discharge chute by placing bottom front portion in first and then tilting back and downward.
6. With interlock assembly closed, test wires 6 & 7 for continuity (see pages 26-33).
   - If continuity reads closed, skip to step 18.
   - If continuity reads open, replace interlock switch assembly.

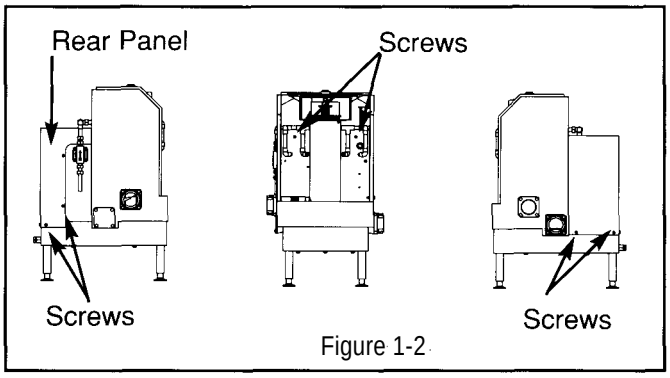


Figure 1-2

To replace interlock assembly:

7. Remove discharge chute.
8. Loosen strain relief on cord going from switch to control box (see figure 1-3).
9. Remove wires 6 & 7 from control box.
10. Remove two screws securing interlock switch to cabinet (see figure 1 -3).
11. Remove interlock switch.
12. Install new interlock switch, securing with two screws.
13. Insert wires 6 & 7 (from interlock switch) through strain relief and into control box. Connect wires 6 & 7 to terminal block (see pages 26-33) and tighten strain reliefs.

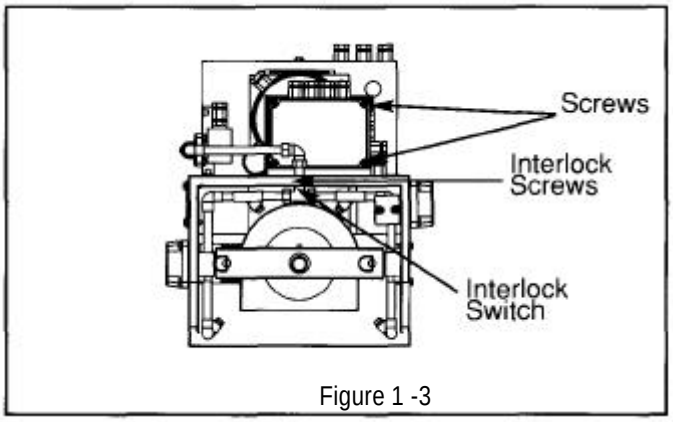


Figure 1 -3

Testing & Replacing Discharge Chute Interlock Assembly (Cont.)

14. Unscrew two screws securing interlock magnet on discharge chute and remove interlock magnet (see figure 1 -4).
15. Install new interlock magnet and secure with two screws.
16. Install discharge chute.
17. With interlock switch closed, test wires 6 & 7 for continuity.
    - If continuity reads closed, skip to step 18.
    - If continuity reads open, rotate interlock magnet 180° on discharge chute and test for continuity again.
18. Replace rear panel, control box cover and secure with screws.
19. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

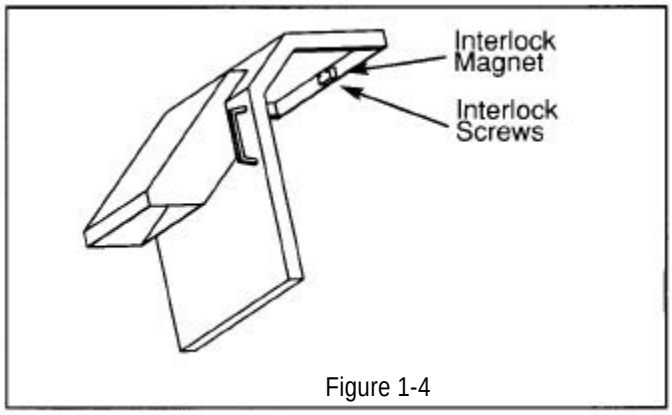


Figure 1-4

Replacing Auger Paddles

⚠ WARNING

Personal Injury

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Holding both handles remove discharge chute by tilting it upward (see figure 2-1).
3. Remove auger-bearing bracket by turning the two captive fasteners counter clockwise and then pull bracket upward (see figure 2-2), replace if necessary.
4. Lift auger and screen up and then out.
5. Remove auger from screen by lifting up (see figure 2-3).
6. Remove bolt, nut and washers securing auger paddle to auger shaft (see figure 2-4).
7. Remove auger paddle from shaft.
8. Install new auger paddle and secure with bolt, nut and washers.
9. Ensure auger weight travels freely up and down after assembly.
10. Install auger into screen then place screen over drive.
11. Ensure that the auger drops into position.
12. Secure bearing bracket with captive fastener.
13. Install discharge chute by placing bottom front portion in first and then tilting back and down ward.
14. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

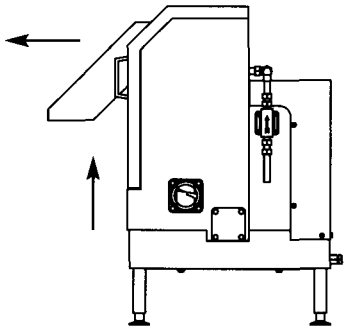


Figure 2-1

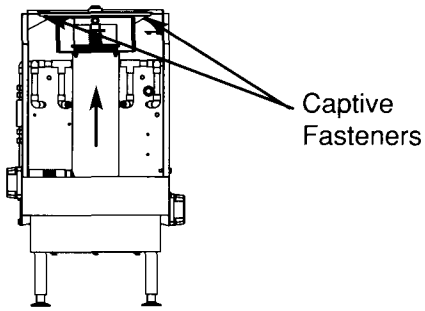


Figure 2-2

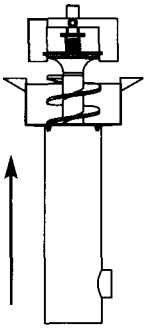


Figure 2-3

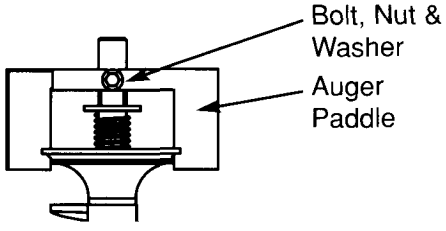


Figure 2-4

Replacing Tension Adjustment Dial

⚠ WARNING

Personal Injury

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

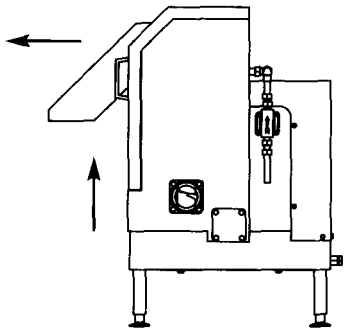


Figure 3-1

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Holding both handles, remove discharge chute by tilting it upward (see figure 3-1).
3. Remove auger-bearing bracket by turning the two captive fasteners counter clockwise and then pull bracket upward (see figure 3-2), replace if necessary.
4. Lift auger and screen up and then out.
5. Remove auger from screen by lifting it up (see figure 3-3).
6. Remove bolt, nut and washers securing auger paddle to auger shaft (see figure 3-4).
7. Remove auger paddle (replace if necessary) and tension adjustment dial from shaft.
8. Install new tension adjustment dial and auger paddle. Secure auger paddle to shaft with bolt, nut and washers.
9. Ensure auger weight travels freely up and down after assembly.
10. Install auger into screen then place screen over drive.
11. Ensure that the auger drops into position.
12. Secure bearing bracket with captive fastener.
13. Install discharge chute by placing bottom front portion in first and then tilting back and down ward.
14. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

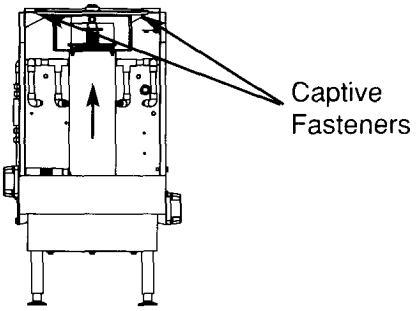


Figure 3-2

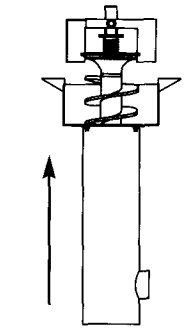


Figure 3-3

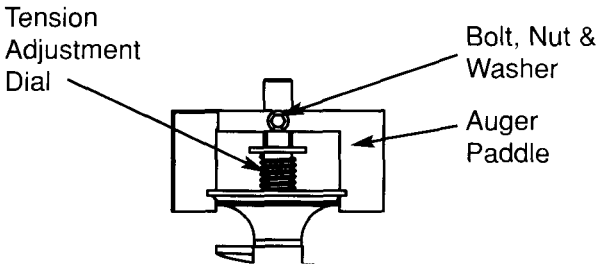


Figure 3-4

Replacing Tension Spring

⚠ WARNING

Personal Injury

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Holding both handles, remove discharge chute by tilting it upward (see figure 4-1).
3. Remove auger-bearing bracket by turning the two captive fasteners counter clockwise and then pull bracket upward (see figure 4-2), replace if necessary.
4. Lift auger and screen up and then out.
5. Remove auger from screen by lifting it up (see figure 4-3).
6. Remove bolt, nut and washers securing auger paddle to auger shaft (see figure 4-4).
7. Remove auger paddle (replace if necessary), tension adjustment dial (replace if necessary) and tension spring from shaft.
8. Install new tension spring, tension adjustment dial and auger paddle. Secure auger paddle to shaft with bolt, nut and washers.
9. Ensure auger weight travels freely up and down after assembly.
10. Install auger into screen then place screen over drive.
11. Ensure that the auger drops into position.
12. Secure bearing bracket with captive fastener.
13. Install discharge chute by placing bottom front portion in first and then tilting back and downward
14. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

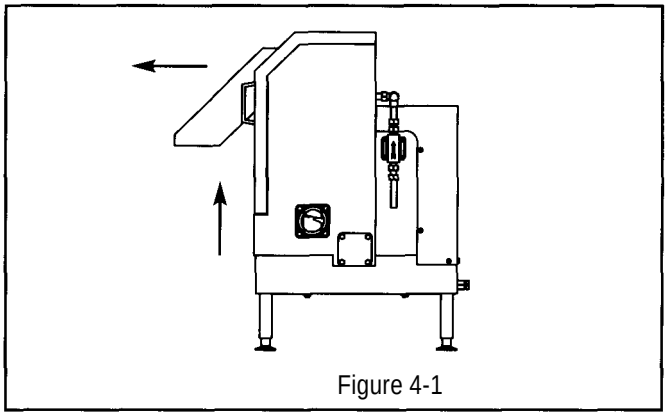


Figure 4-1

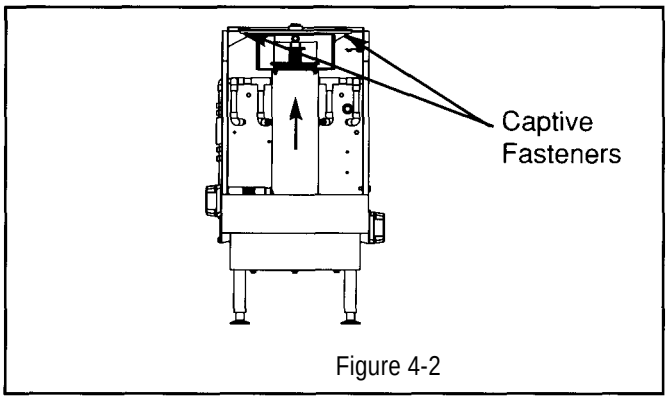


Figure 4-2

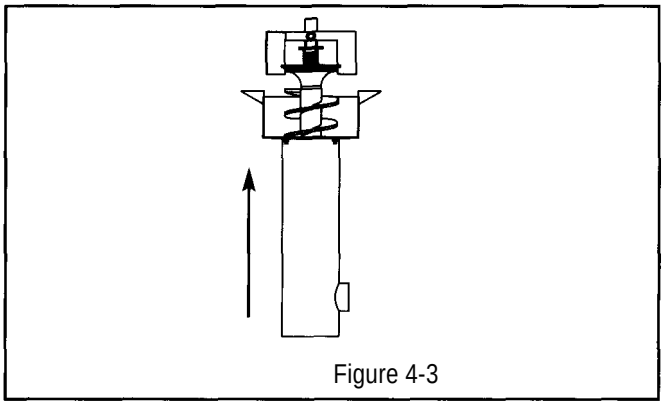


Figure 4-3

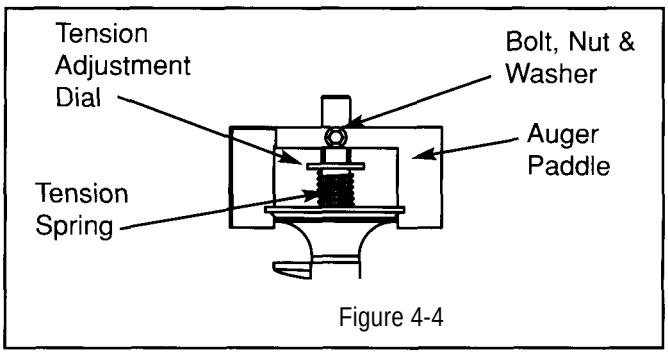


Figure 4-4

Replacing Auger Weight

⚠ WARNING

Personal Injury

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Min Waste Xpress.
2. Holding both handles, remove discharge chute by tilting it upward (see figure 5-1).
3. Remove auger-bearing bracket by turning the two captive fasteners counter clockwise and then pull bracket upward (see figure 5-2), replace if necessary.
4. Lift auger and screen up and then out.
5. Remove auger from screen by lifting it up (see figure 5-3).
6. Remove bolt, nut and washers securing auger paddle to auger shaft (see figure 5-4).
7. Remove auger paddle (replace if necessary), tension adjustment dial (replace if necessary), tension spring (replace if necessary) and auger weight from shaft.
8. Install new auger weight, tension spring, tension adjustment dial and auger paddle. Secure auger paddle to shaft with bolt, nut and washers.
9. Ensure auger weight travels freely up and down after assembly.
10. Install auger into screen then place screen over drive.
11. Ensure that the auger drops into position.
12. Secure bearing bracket with captive fastener.
13. Install discharge chute by placing bottom front portion in first and then tilting back and downward.
14. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

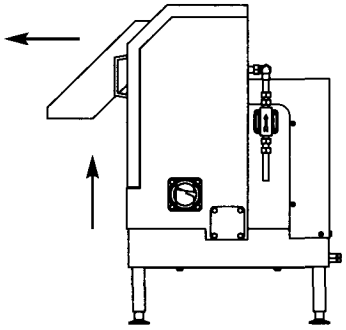


Figure 5-1

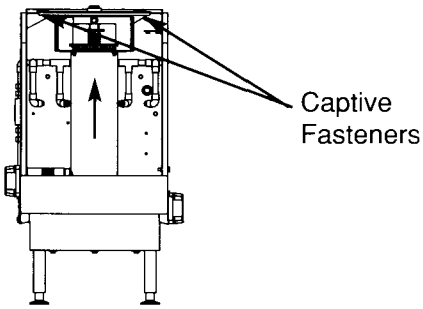


Figure 5-2

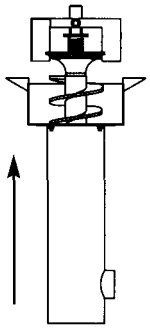


Figure 5-3

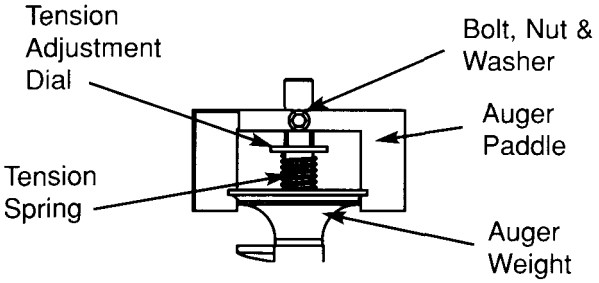


Figure 5-4

Replacing Auger

⚠ WARNING

Personal Injury

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Holding both handles, remove discharge chute by tilting it upward (see figure 6-1).
3. Remove auger-bearing bracket by turning the two captive fasteners counter clockwise and then pull bracket upward (see figure 6-2), replace if necessary.
4. Lift auger and screen up and then out.
5. Remove auger from screen by lifting it up (see figure 6-3).
6. Remove bolt, nut and washers securing auger paddle to auger shaft (see figure 6-4).
7. Remove auger paddle (replace if necessary), tension adjustment dial (replace if necessary), tension spring (replace if necessary) and auger weight (replace if necessary) from shaft.
8. Install auger weight, tension spring, tension adjustment dial and auger paddle onto new auger shaft. Secure auger paddle to shaft with bolt, nut and washers.
9. Ensure auger weight travels freely up and down after assembly.
10. Install auger into screen then place screen over drive.
11. Ensure that the auger drops into position.
12. Secure bearing bracket with captive fastener.
13. Install discharge chute by placing bottom front portion in first and then tilting back and downward.
14. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

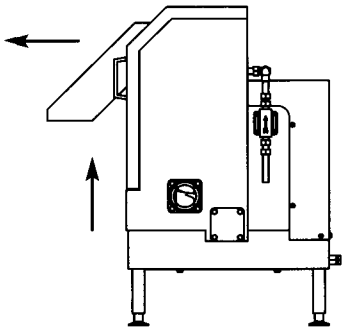


Figure 6-1

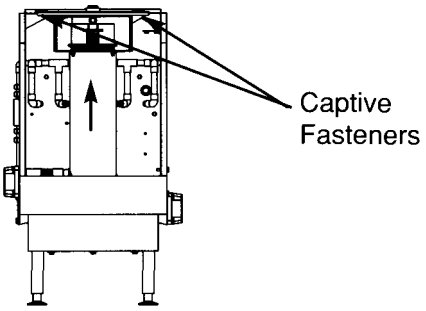


Figure 6-2

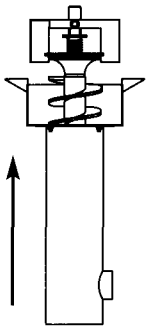


Figure 6-3

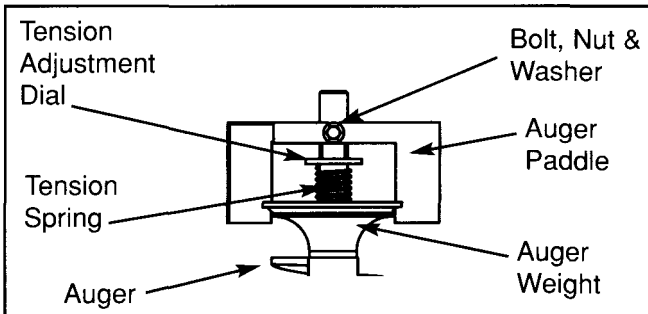


Figure 6-4

Replacing Spray Nozzles

⚠ WARNING

Personal Injury

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Holding both handles, remove discharge chute by tilting it upward (see figure 8-1).
3. Remove auger-bearing bracket by turning the two captive fasteners counter clockwise and then pull bracket upward (see figure 8-2), replace if necessary.
4. Lift auger and screen up and then out.
5. Remove damaged spray nozzle with socket wrench (remove plastic nozzle only not metal nut) see figure 8-3.
6. Install new spray nozzles secure,
   NOTE: DO NOT OVER-TIGHTEN.
7. Install auger and screen over drive.
8. Ensure that the auger drops into position.
9. Secure bearing bracket with captive fastener.
10. Install discharge chute by placing bottom front portion in first and then tilting back and downward.
11. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

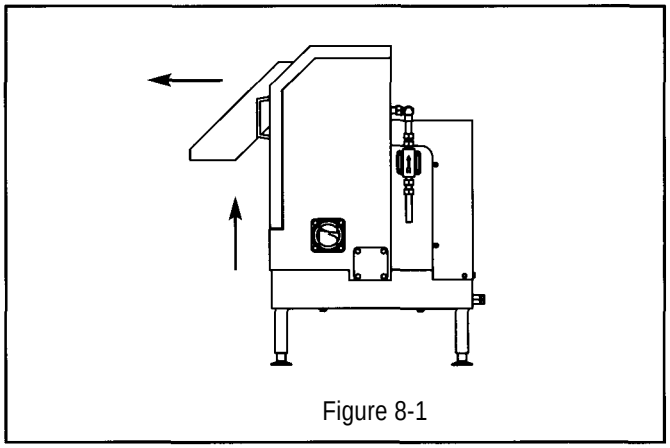


Figure 8-1

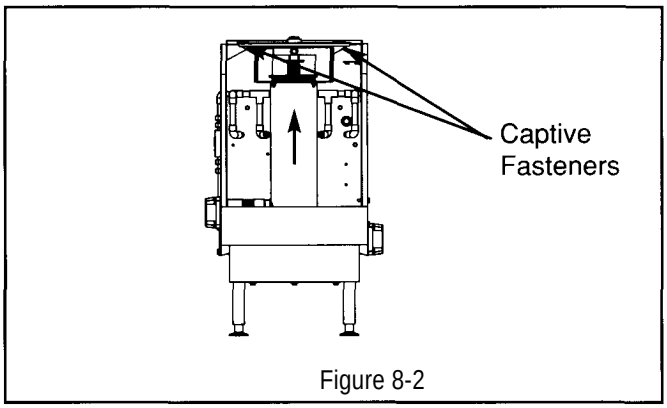


Figure 8-2

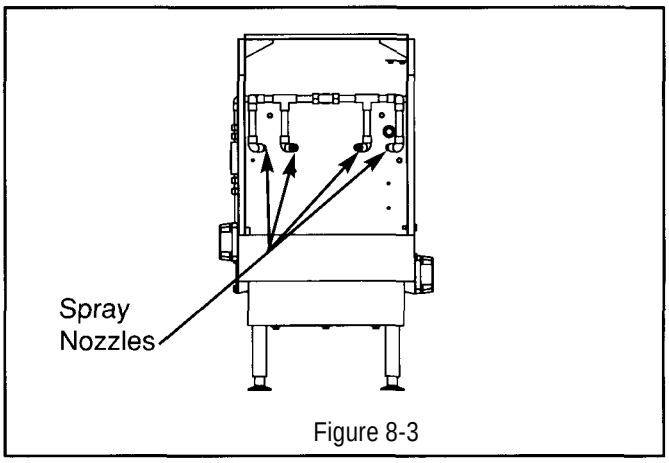


Figure 8-3

Replacing Inlet / Outlet fitting

⚠ WARNING

Personal Injury

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

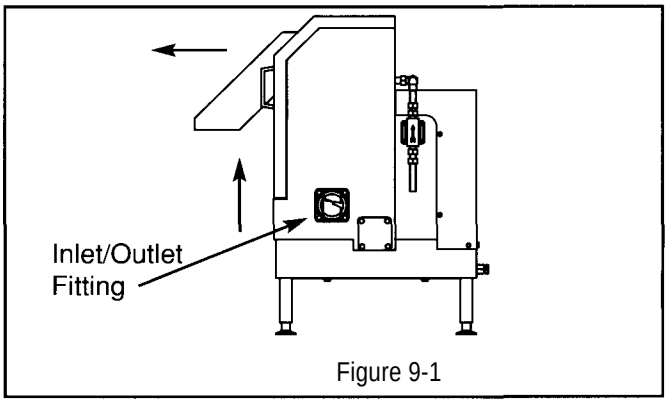


Figure 9-1

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Holding both handles, remove discharge chute by tilting it upward (see figure 9-1).
3. Remove auger-bearing bracket by turning the two captive fasteners counter clockwise and then pull bracket upward (see figure 9-2), replace if necessary.
4. Lift auger and screen up and then out.
5. Remove the four screws holding the fitting in place (see figure 9-1).
6. Remove any gasket material from panel.
   - If fitting location is correct skip to step 10.
   - If fitting location needs to be moved to opposite side skip to step 7.
7. Remove four screws holding the cap and gasket in position.
8. Install gasket and cap on opposite side.
9. Install new gasket and fitting and secure with four screws.
10. Install auger and screen over drive.
11. Ensure that the auger drops into position.
12. Secure bearing bracket with captive fastener.
13. Install discharge chute by placing bottom front portion in first and then tilting back and downward.
14. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

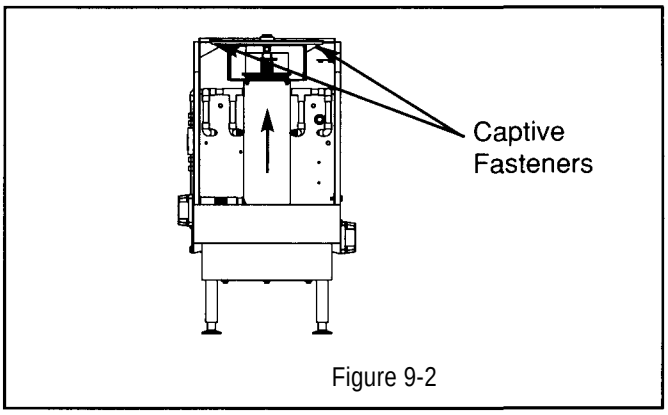


Figure 9-2

Replacing Captive Fasteners

⚠ WARNING

Personal Injury

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Holding both handles, remove discharge chute by tilting it upward (see figure 10-1).
3. Remove auger-bearing bracket by turning the captive fasteners counter clockwise and then pull bracket upward (see figure 10-2), replace if necessary).
4. Install new captive fastener by inserting the fastener through the hole in the bearing bracket and secure it by pushing the "c" clip onto the grove of the captive fastener (see figure 10-3).
5. Secure bearing bracket with captive fastener.
6. Install discharge chute by placing bottom front portion in first and then tilting back and downward.
7. Turn on power to Mini Waste Xpress at use box or circuit breaker. Turn on water supply to Mini Waste Xpress.

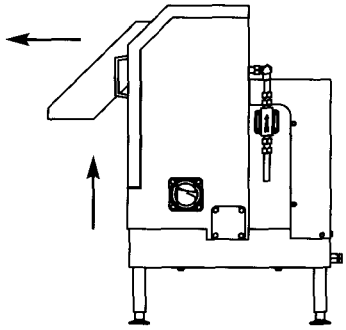


Figure 10-1

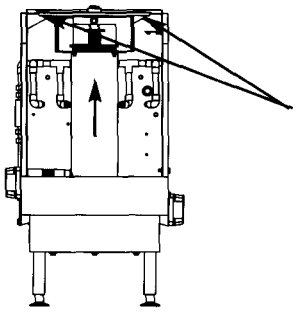
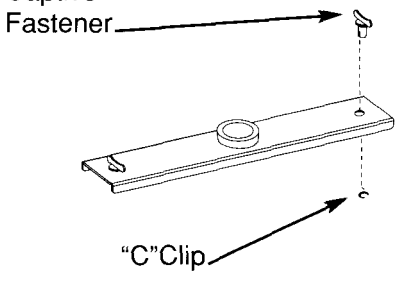


Figure 10-2



Replacing Retaining Spring

⚠ WARNING

Personal Injury

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Holding both handles, remove discharge chute by tilting it upward (see figure 11-1).
3. Remove auger-bearing bracket by turning the two captive fasteners counter clockwise and then pull bracket upward (see figure 11 -2), replace if necessary).
4. Lift auger and screen up and then out.
5. If required remove "pop rivet" securing the dam aged retaining spring in place by drilling it out with a dia drill bit (see figure 11 -3).
6. Install new retaining spring with coil side up and secure with pop rivets (see figure 11 -3).
7. Install auger and screen over drive.
8. Ensure that the auger drops into position.
9. Secure bearing bracket with captive fastener.
10. Install discharge chute by placing bottom front portion in first and then tilting back and downward.
11. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

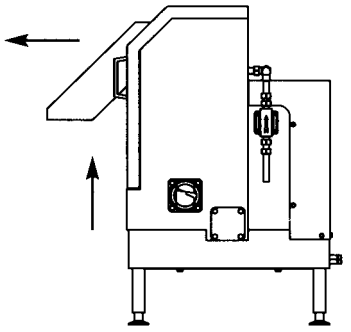


Figure 11-1

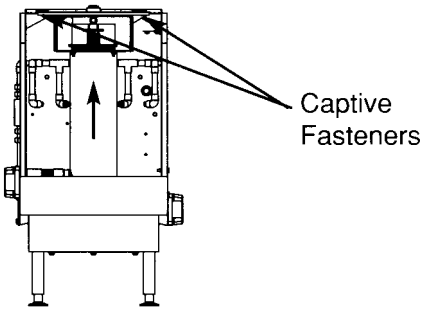


Figure 11-2

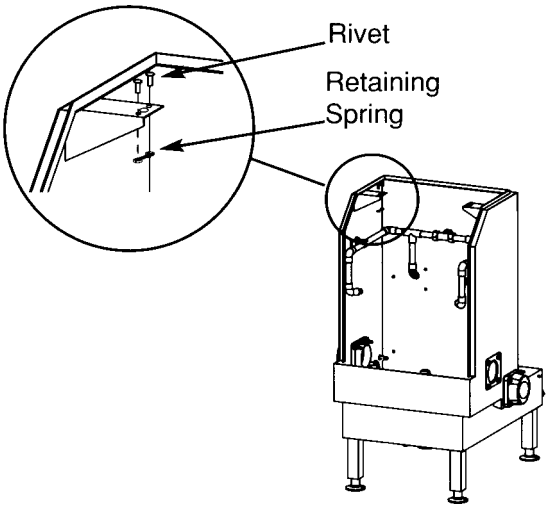


Figure 11-3

Replacing Auger Belt

⚠ WARNING

Personal Injury

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Remove screws holding the bottom cover in place (see figure 12-1).
3. Loosen the bolts securing the auger motor bracket in place (see figure 12-2).
4. Loosen the tension bolt located at the back of the unit, until there is enough slack to remove the belt (see figure 12-2).
5. Remove the belt (see figure 12-2).
6. Install new belt and remove the slack by tightening the tension bolt located at the back of the unit. **NOTE: DO NOT OVERTIGHTEN.**
7. Secure the auger motor bracket to the frame.
8. Install bottom cover and secure with screws.
9. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

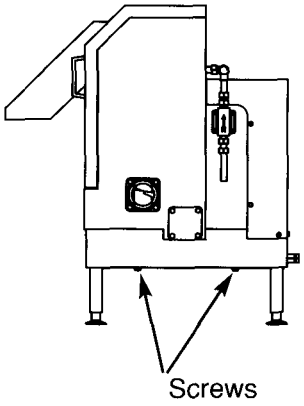


Figure 12-1

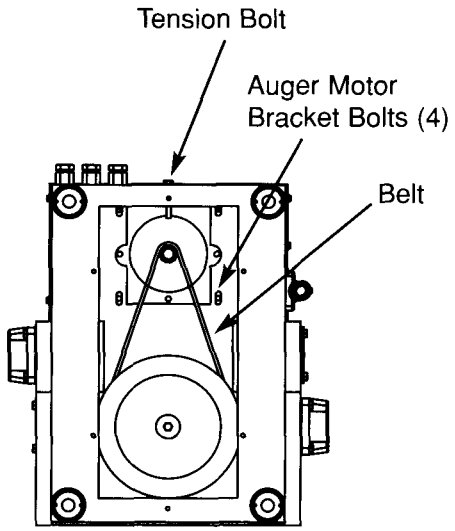


Figure 12-2
(Bottom View)

Replacing Pulley

⚠ WARNING

Personal Injury

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Remove screws holding the bottom cover in place (see figure 13-1).
3. Loosen the bolts securing the auger motor bracket in place (see figure 13-2).
4. Loosen the tension bolt located at the back of the unit, until there is enough slack to remove the belt (see figure 13-2).
5. Remove the belt (see figure 13-2).
6. Remove the nut and washer securing the pulley in position and pull the pulley off (see figure 13-2).
7. Remove woodruff key.
8. Install the new pulley, woodruff key and secure with nut and washer.
9. Install belt and remove the slack by tightening the tension bolt located at the back of the unit. **NOTE: DO NOT OVER-TIGHTEN**
10. Secure the auger motor bracket to the frame.
11. Install bottom cover and secure with screws.
12. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

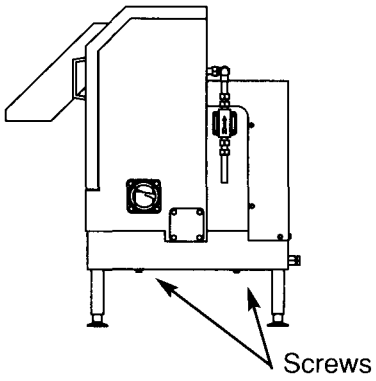


Figure 13-1

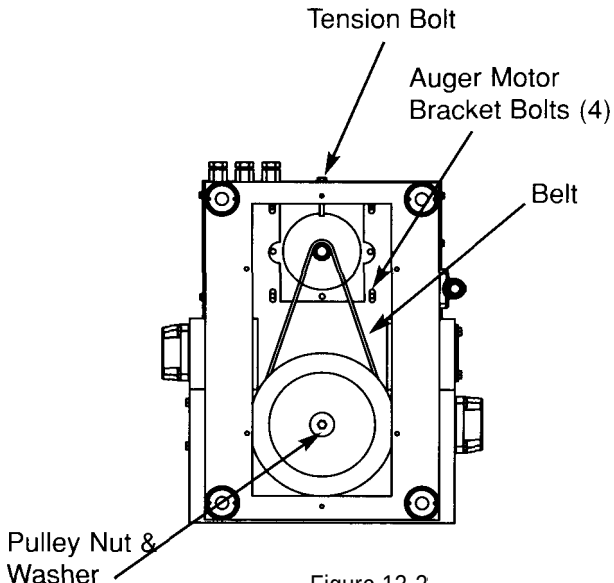


Figure 13-2
(Bottom View)

Replacing Auger Drive Assembly

⚠ WARNING

Personal Injury

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Holding both handles, remove discharge chute by tilting it upward (see figure 14-1).
3. Remove auger-bearing bracket by turning the two captive fasteners counter clockwise and then pull bracket upward (see figure 14-2), replace if necessary).
4. Lift auger and screen up and then out.
5. Remove screws holding the bottom cover in place (see figure 14-1).
6. Loosen the bolts securing the auger motor bracket in place (see figure 14-3).
7. Loosen the tension bolt located at the back of the unit, until there is enough slack to remove the belt (see figure 14-2).
8. Remove the belt (see figure 14-3)
9. Remove the nut and washer securing the pulley in position and pull the pulley off (see figure 14-3).
10. Remove woodruff key.
11. Remove the nuts and washers holding the auger drive assembly in place.
    NOTE: If silicon was used you may need to tap the assembly down with a rawhide mallet (see figure 14-4).
12. Run a bead of silicon between the bottom of the cabinet and the auger drive.
13. Install new auger drive assembly and secure with four nuts and washers.

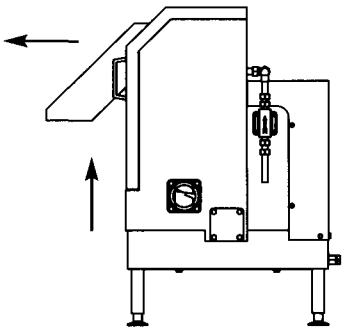


Figure 14-1

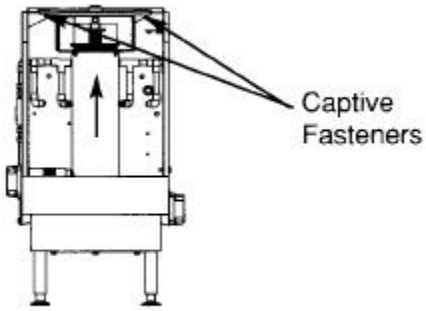


Figure 14-2

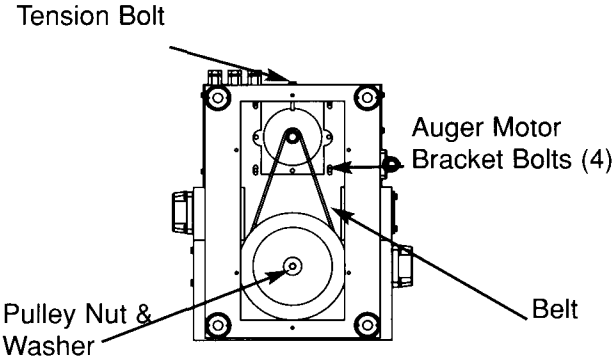


Figure 14-3
(Bottom View)

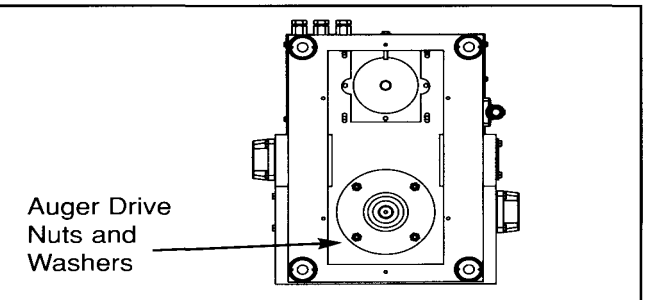


Figure 14-4
(Bottom View)

Replacing Auger Drive Assembly (Cont.)

14. Install the pulley, woodruff key and secure with nut and washer.
15. Install new belt and remove the slack by tightening the tension bolt located at the back of the unit.
    NOTE: DO NOT OVER TIGHTEN.
16. Secure the auger motor bracket to the frame.
17. Install bottom cover and secure with screws.
18. Install screen over drive.
19. Ensure that the auger drops into position.
20. Secure bearing bracket with captive fastener.
21. Install discharge chute by placing bottom front portion in first and then tilting back and downward.
22. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

Replacing Auger Motor

DANGER

Electrical Shock

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Holding both handles, remove discharge by tilting upward (see figure 15-1)
3. Remove screws holding the bottom cover in place (see figure 15-1).
4. Loosen the bolts securing the auger motor bracket in place (see figure 15-2)
5. Loosen the tension bolt located at the back of the unit, until there is enough slack to remove the belt (see figure 15-2).
6. Remove the belt (see figure 15-2).
7. Remove rear panel by removing the screws securing it in place (see figure 15-3).
8. Remove cover to control box by loosening the screws securing it in place (see figure 15-4).
9. Loosen strain relief on cord going from auger motor to control box.
10. Remove wires from terminal block position and ground terminal (see pages 26-33).
11. Remove four bolts and washers securing auger motor to bracket (see figure 15-5).
12. Remove auger motor.
13. Install new auger motor, securing with four bolts and washers.
14. Insert wires from auger motor through strain relief and into control box. Connect wires to terminal block (see pages 26-33), secure ground wire to grounding terminal then tighten strain relief.

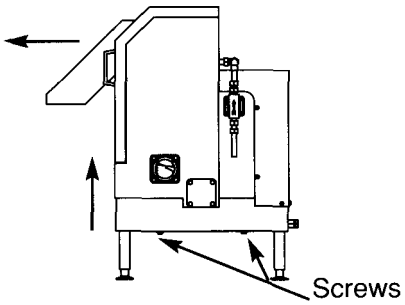


Figure 15-1

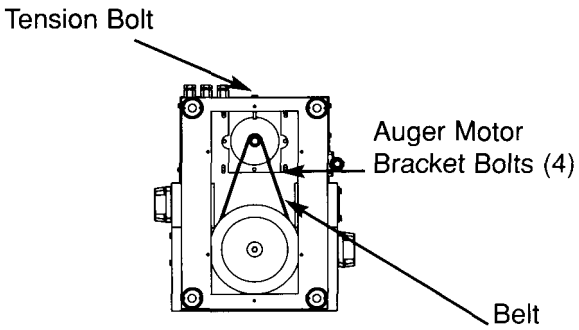


Figure 15-2
(Bottom View)

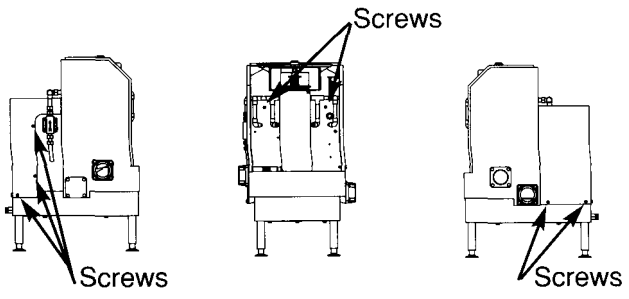


Figure 15-3

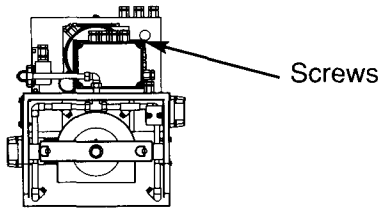


Figure 15-4

Replacing Auger Motor (Cont.)

15. Replace rear panel, control box cover and secure with screws.
16. Install belt and remove the slack by tightening the tension bolt located at the back of the unit. **NOTE: DO NOT OVER TIGHTEN.**
17. Secure the auger motor bracket to the frame.
18. Install bottom cover and secure with screws.
19. Install discharge chute by placing bottom front portion in first and then tilting back and downward.
20. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

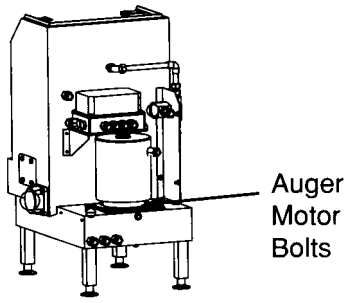


Figure 15-5

Replacing Motor Bracket

DANGER

Electrical Shock

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Holding both handles, remove discharge by tilting upward (see figure 16-1)
3. Remove screws holding the bottom cover in place (see figure 16-1).
4. Remove the bolts securing the auger motor bracket in place (see figure 16-2).
5. Loosen the tension bolt located at the back of the unit, until there is enough slack to remove the belt (see figure 16-2).
6. Remove the belt (see figure 16-2).
7. Remove rear panel by removing the screws securing it in place (see figure 16-3).
8. Remove four bolts and washers securing auger motor to bracket (see figure 16-4).
9. Remove auger motor.
10. Install auger motor to the new motor bracket, securing with four bolts and washers.
11. Position motor bracket over holes in cabinet.
12. Replace rear panel and secure with screws.
13. Install belt and remove the slack by tightening the tension bolt located at the back of the unit. **NOTE: DO NOT OVER TIGHTEN.**
14. Secure the auger motor bracket to the frame.
15. Install bottom cover and secure with screws.
16. Install discharge chute by placing bottom front portion in first and then tilting back and downward.
17. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

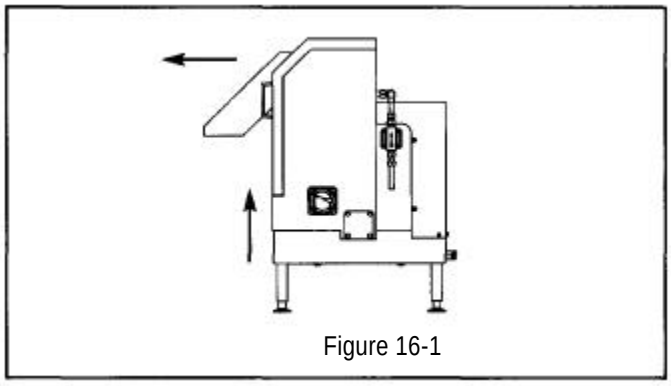


Figure 16-1

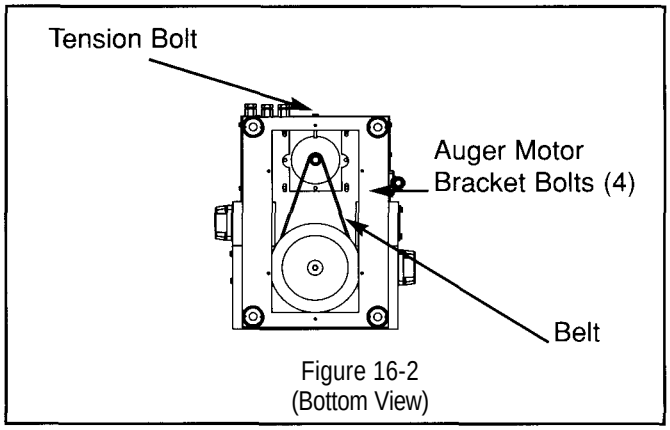


Figure 16-2
(Bottom View)

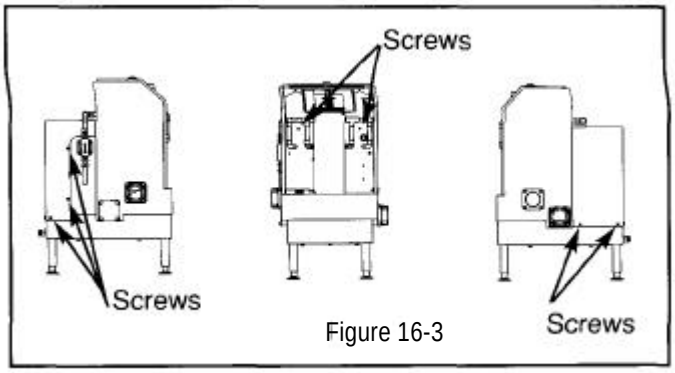


Figure 16-3

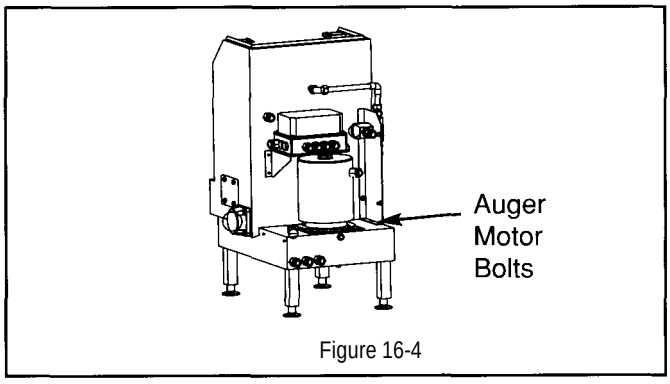


Figure 16-4

Replacing Solenoid Valve

DANGER

Electrical Shock

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Holding both handles, remove discharge chute by tilting it upward (see figure 17-1).
3. Remove rear panel by removing the screws securing it in place (see figure 17-2).
4. Remove cover to control box by loosening the screws securing it in place (see figure 17-3).
5. Loosen strain relief on cord going from solenoid valve to control panel.
6. Remove wires from terminal block and ground terminal (see pages 26-33).
7. Loosen compression fittings on solenoid valve.
8. Remove clip securing solenoid valve to body (see figure 17-4).
9. Align new solenoid valve with water flow arrow pointing in correct direction, and secure solenoid valve with clip.
10. Tighten compression fittings on solenoid valve.
11. Insert wires (from solenoid valve) through strain relief and into control box. Connect wires to terminal block, secure ground to wire to grounding terminal (see pages 26-33) then tighten strain relief.
12. Replace rear panel, control box cover and secure with screws.
13. Install discharge chute by placing bottom front portion in first and then tilting back and downward.
14. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

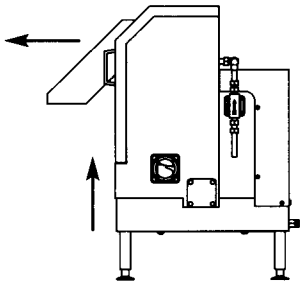


Figure 17-1

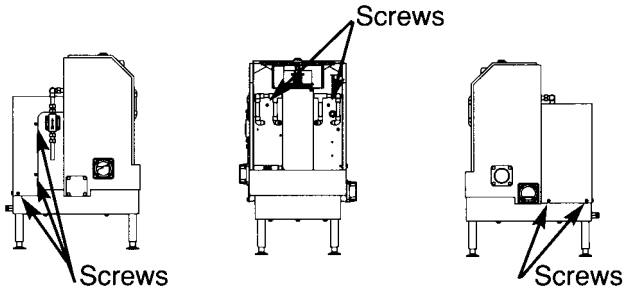


Figure 17-2

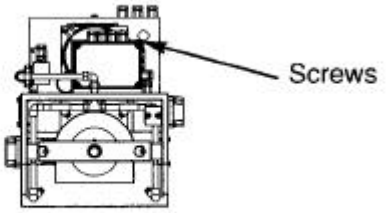


Figure 17-3

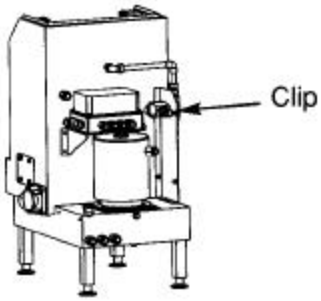


Figure 17-4

Replacing Plumbing

⚠ WARNING

Personal Injury

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Holding both handles, remove discharge chute by tilting it upward (see figure 18-1).
3. Remove auger-bearing bracket by turning the two captive fasteners counter clockwise and then pull bracket upward (see figure 18-2), replace if necessary.
4. Lift auger and screen up and then out.
5. Loosen appropriate compression fittings and remove plumbing (see figure 18-3).
6. Install new plumbing and secure by tightening compression fittings.
7. Install auger and screen over drive.
8. Ensure that the auger drops into position
9. Secure bearing bracket with captive fastener.
10. Install discharge chute by placing bottom front portion in first and then tilting back and downward.
11. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

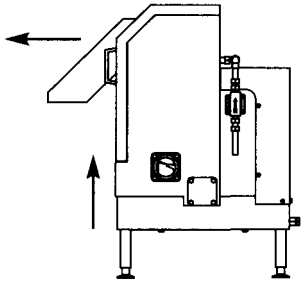


Figure 18-1

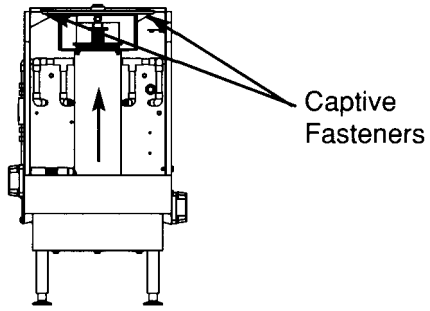


Figure 18-2

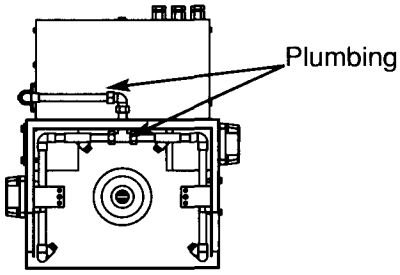


Figure 18-3

Replacing Leveling Foot

⚠ WARNING

Personal Injury

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste X-Press at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Disconnect the plumbing to the unit.
3. Prop the Mini Waste Xpress up and remove the damaged leveling foot by unscrewing it (see figure 19-1).
4. If the threaded insert is ok skip to step 8.
5. If the threaded insert is damaged skip to step 6.
6. Using a screwdriver and hammer remove the threaded insert by taping the edge of it (see figure 19-1).
7. Insert the new threaded insert
   NOTE: A rawhide mallet may be required to position it correctly.
8. Install the new leveling foot by threading it into the insert.
9. Remove block used to prop the unit up and then level the unit off by adjusting the leveling foot.
10. Reconnect the plumbing to the unit.
11. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

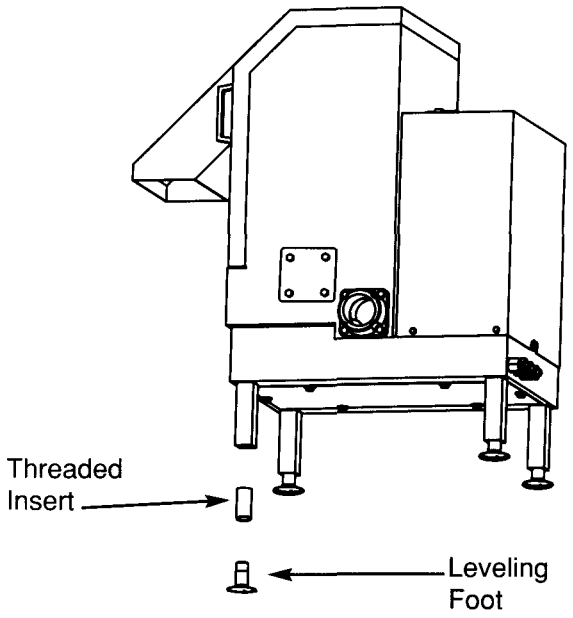


Figure 19-1

Replacing Control Panel Components

DANGER

Electrical Shock

Failure to turn off the water and electrical supply before servicing may result in product damage or injury.

1. Turn off power to Mini Waste Xpress at fuse box or circuit breaker. Turn off water supply to Mini Waste Xpress.
2. Holding both handles, remove discharge chute by tilting it upward (see figure 20-1).
3. Remove rear panel by removing the screws securing it in place (see figure 20-2).
4. Remove cover to control box by loosening the screws securing it in place (see figure 20-3).
5. Remove the wires to the failed component (timer, overload or contactor) then remove the component from the din rail (see figure 20-4).
6. Install new component (timer or contactor) by snapping it onto the din rail.
7. Wire component as for the specific voltage and phase as shown on pages 26 through 33.
8. Replace rear panel, control box cover and secure with screws.
9. Install discharge chute by placing bottom front portion in first and then tilting back and downward.
10. Turn on power to Mini Waste Xpress at fuse box or circuit breaker. Turn on water supply to Mini Waste Xpress.

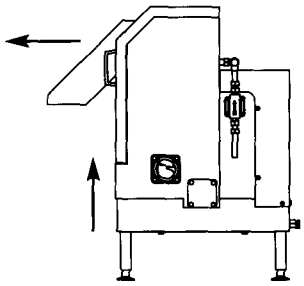


Figure 20-1

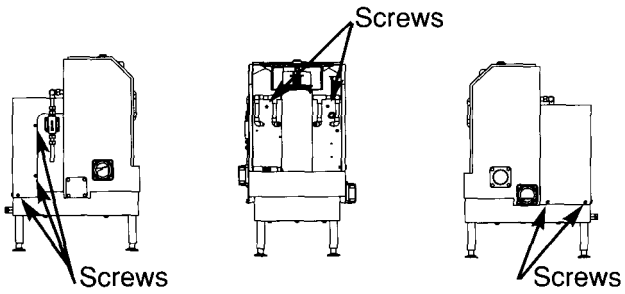


Figure 20-2

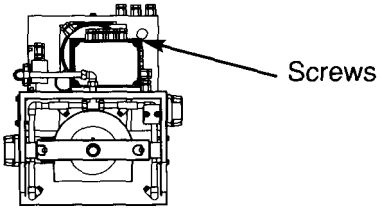


Figure 20-3

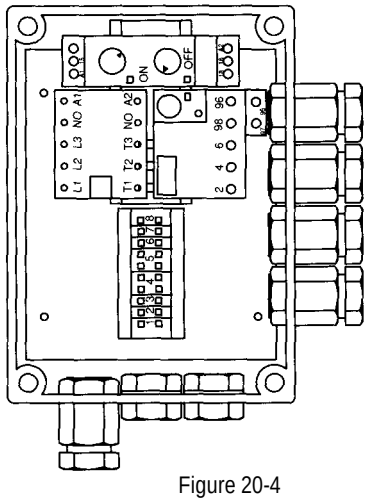


Figure 20-4

DANGER

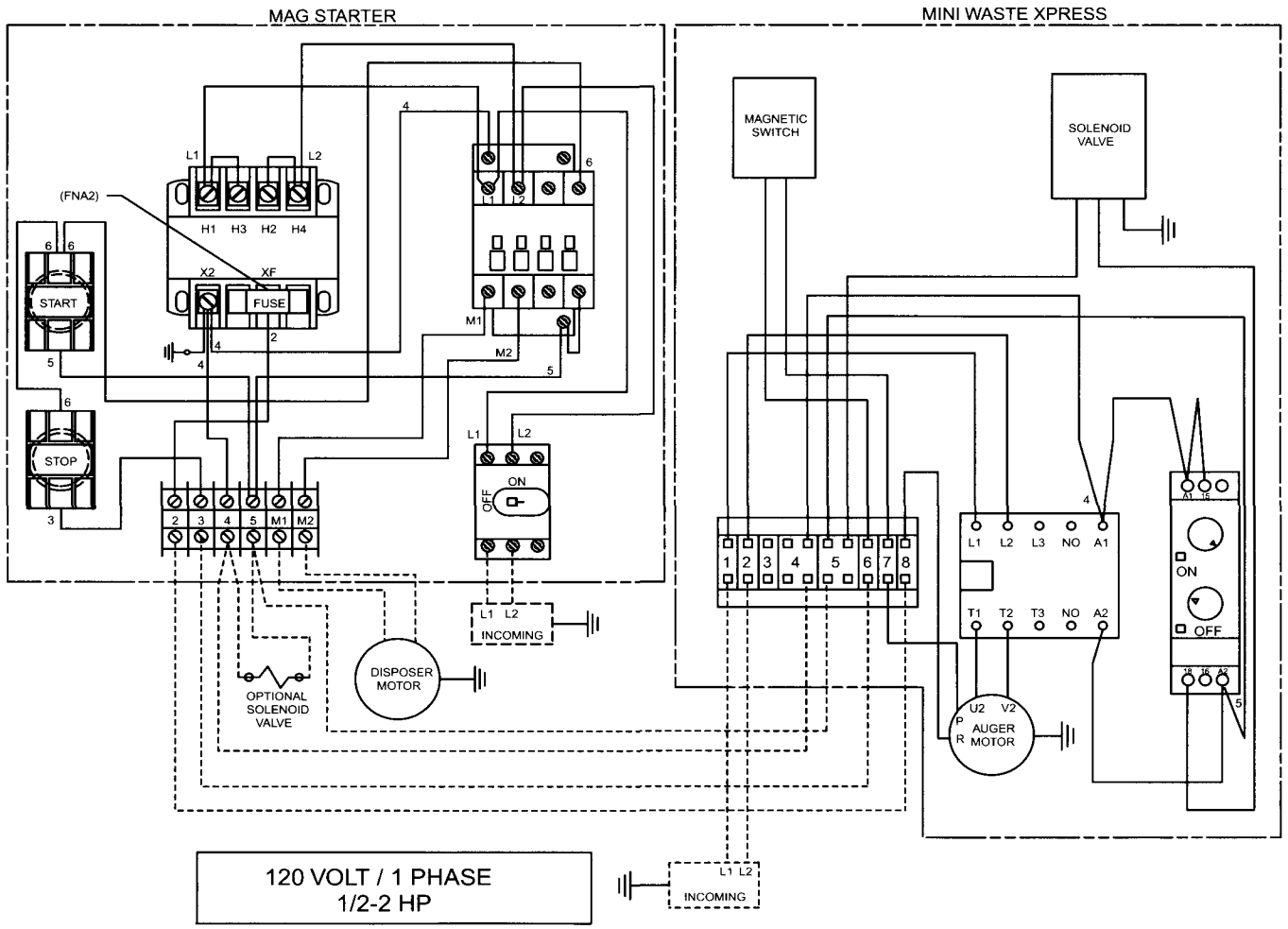
ELECTRICAL SHOCK

- Turn off all electrical supply to the disposer before attempting any work on it. Use a voltmeter or circuit tester to ensure power is off.
- Installation must conform to all local electrical codes.
- All control centers and disposers must be carefully and permanently
- A properly fused disconnect must be installed at the electrical supply source for the control center.

CAUTION

PROPERTY DAMAGE

- Ensure that the control center voltage and phase match the disposer motor and electrical supply. Check nameplates on
- The disposer motor wiring connection is shown in the disposer terminal box.



DANGER

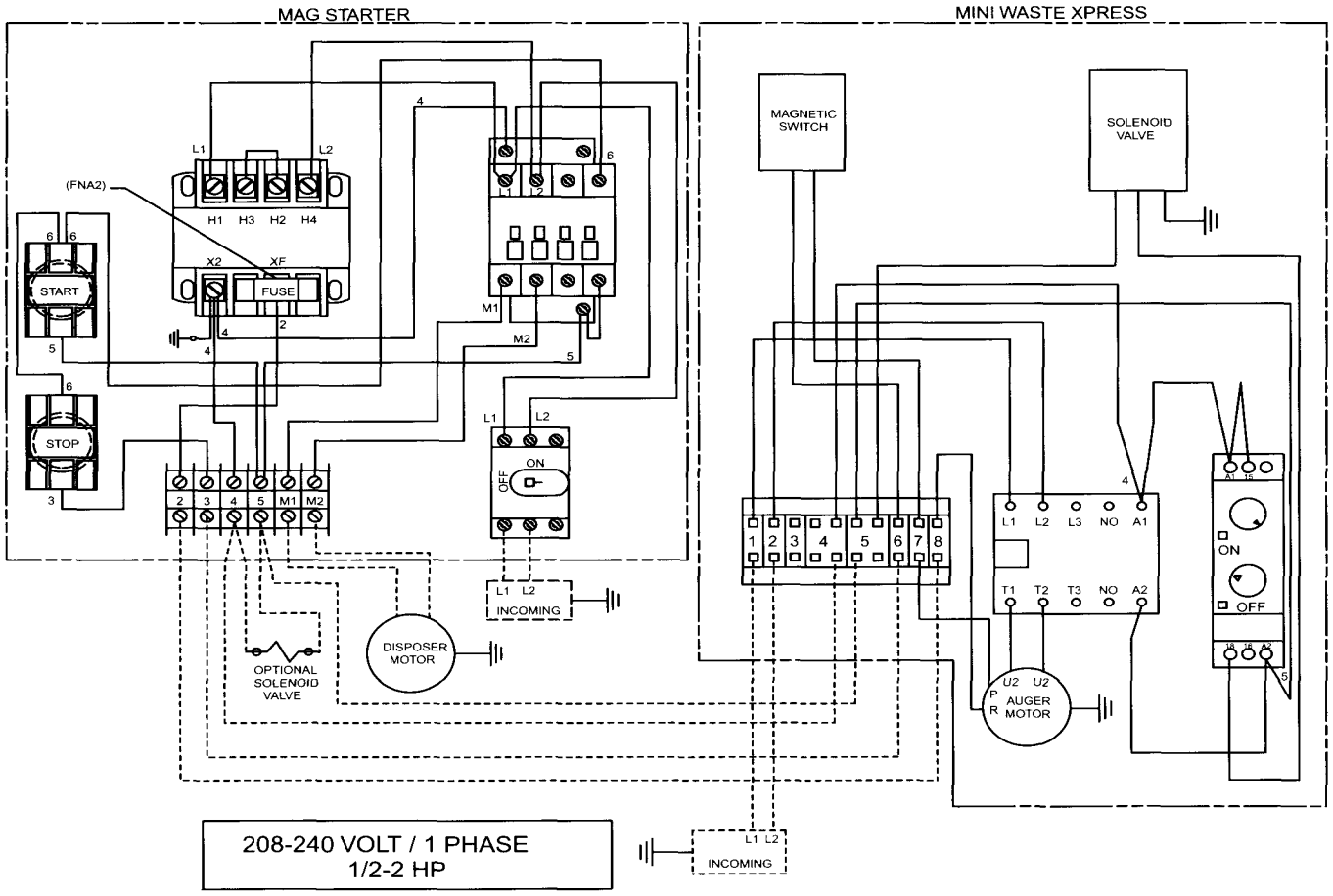
ELECTRICAL SHOCK

- Turn off all electrical supply to the disposer before attempting any work on it. Use a voltmeter or circuit tester to ensure power is off.
- Installation must conform to all local electrical codes.
- All control centers and disposers must be carefully and permanently
- A properly fused disconnect must be installed at the electrical supply source for the control center.

CAUTION

PROPERTY DAMAGE

- Ensure that the control center voltage and phase match the disposer motor and electrical supply. Check nameplates on
- The disposer motor wiring connection is shown in the disposer terminal box.



⚠ DANGER

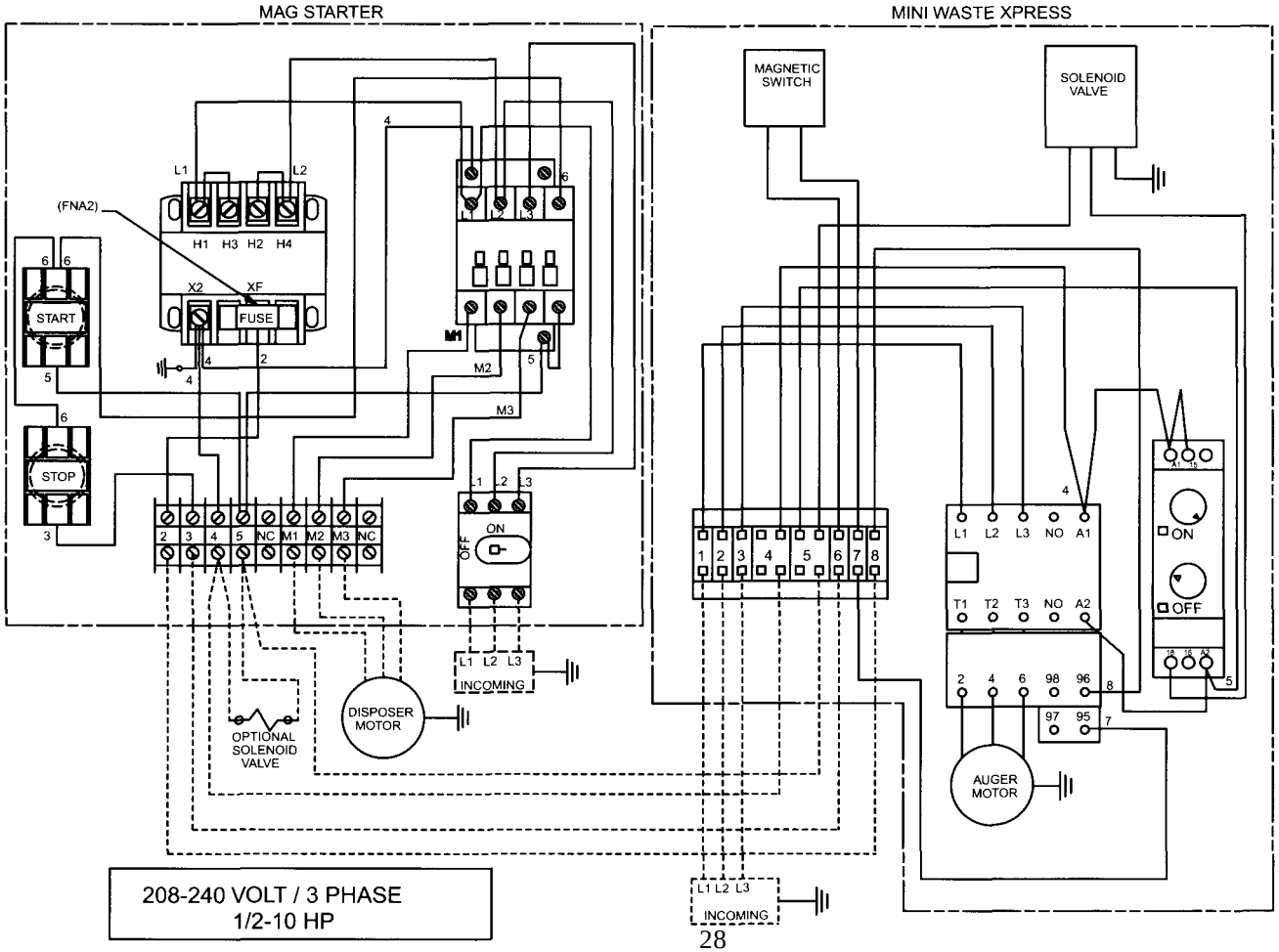
ELECTRICAL SHOCK

- Turn off all electrical supply to the disposer before attempting any work on it. Use a voltmeter or circuit tester to ensure power is off.
- Installation must conform to all local electrical codes.
- All control centers and disposers must be carefully and permanently
- A properly fused disconnect must be installed at the electrical supply source for the control center.

⚠ CAUTION

PROPERTY DAMAGE

- Ensure that the control center voltage and phase match the disposer motor and electrical supply. Check nameplates on
- The disposer motor wiring connection is shown in the disposer terminal box.



DANGER

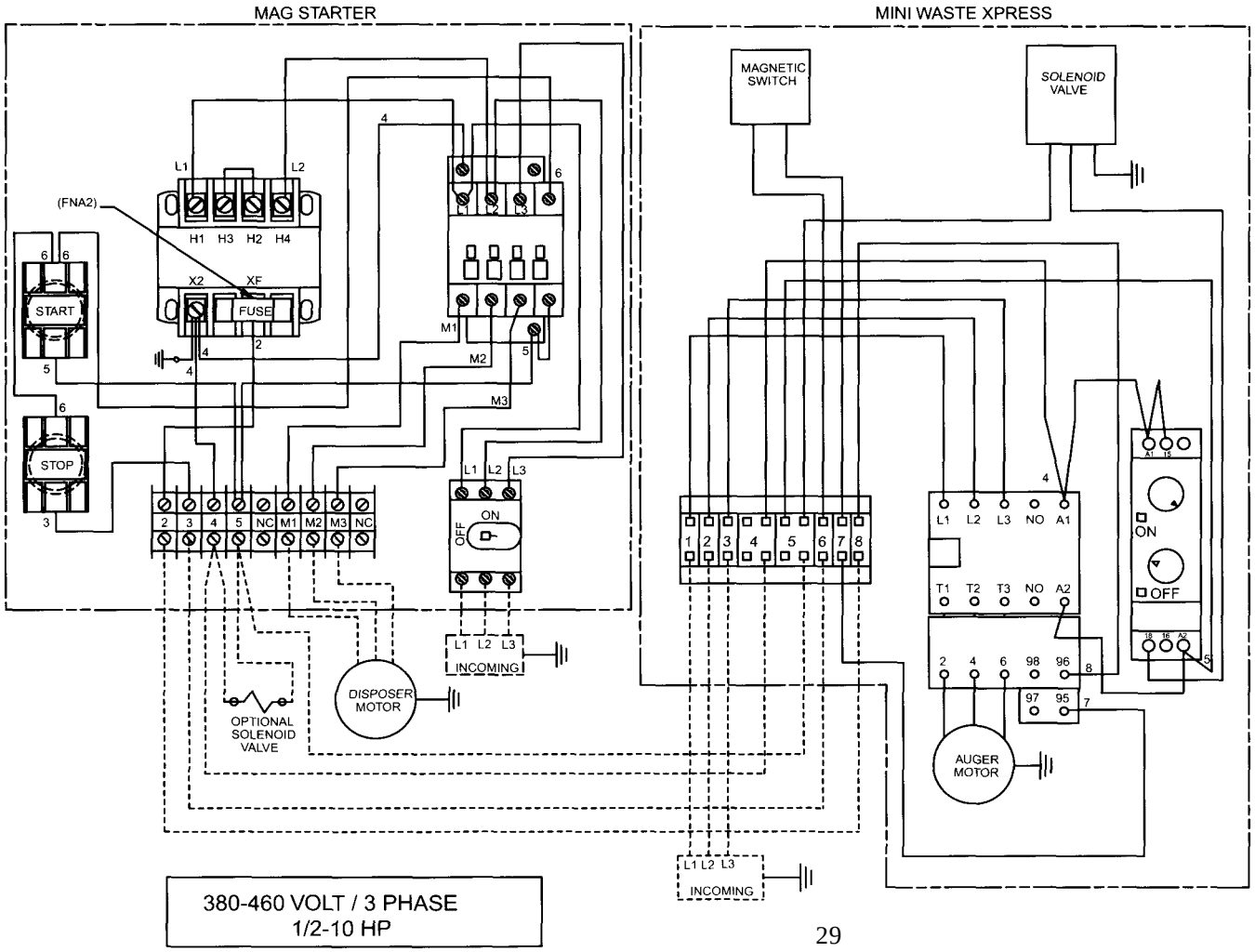
ELECTRICAL SHOCK

- Turn off all electrical supply to the disposer before attempting any work on it. Use a voltmeter or circuit tester to ensure power is off.
- Installation must conform to all local electrical codes.
- All control centers and disposers must be carefully and permanently
- A properly fused disconnect must be installed at the electrical supply source for the control center.

CAUTION

PROPERTY DAMAGE

- Ensure that the control center voltage and phase match the disposer motor and electrical supply. Check nameplates on
- The disposer motor wiring connection is shown in the disposer terminal box.



⚠ DANGER

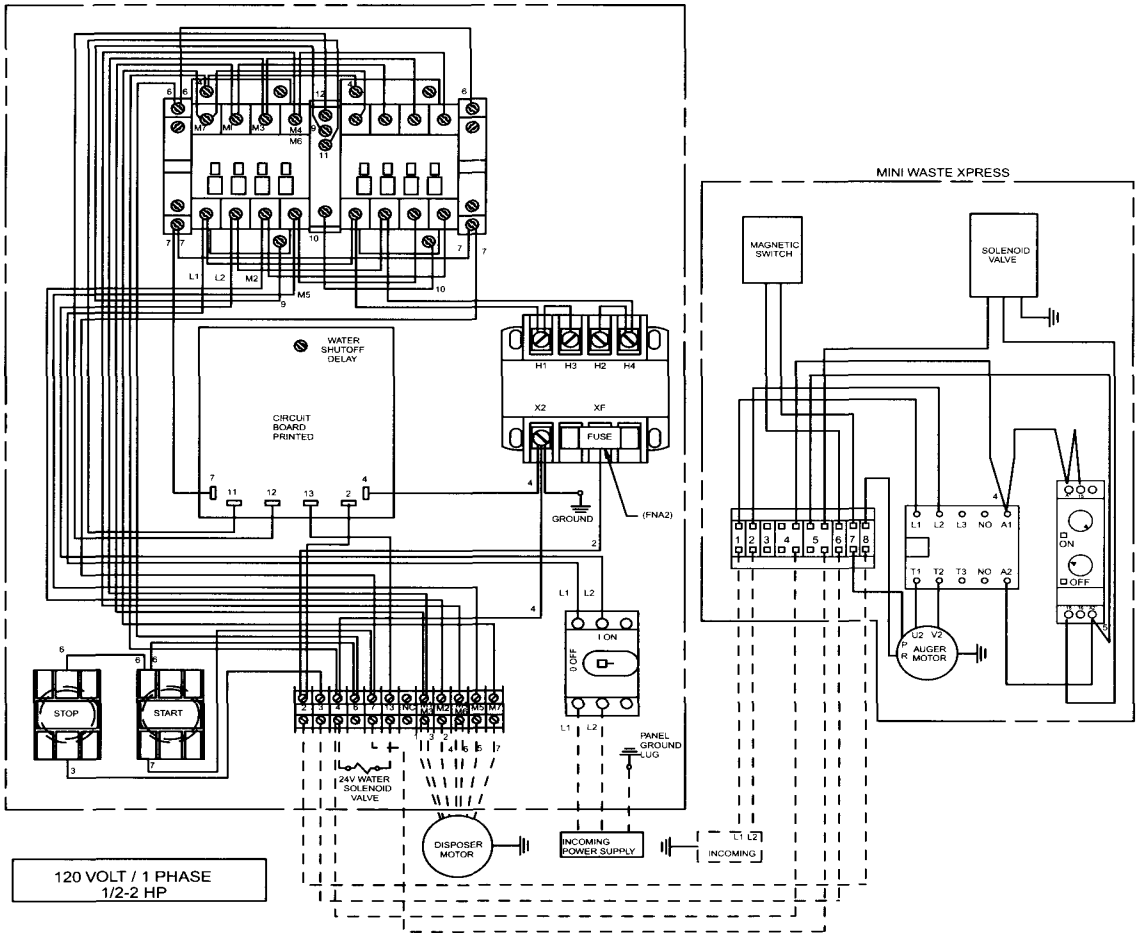
ELECTRICAL SHOCK

- Turn off all electrical supply to the disposer before attempting any work on it. Use a voltmeter or circuit tester to ensure power is off.
- Installation must conform to all local electrical codes.
- All control centers and disposers must be carefully and permanently
- A properly fused disconnect must be installed at the electrical supply source for the control center.

⚠ CAUTION

PROPERTY DAMAGE

- Ensure that the control center voltage and phase match the disposer motor and electrical supply. Check nameplates on
- The disposer motor wiring connection is shown in the disposer terminal box.



DANGER

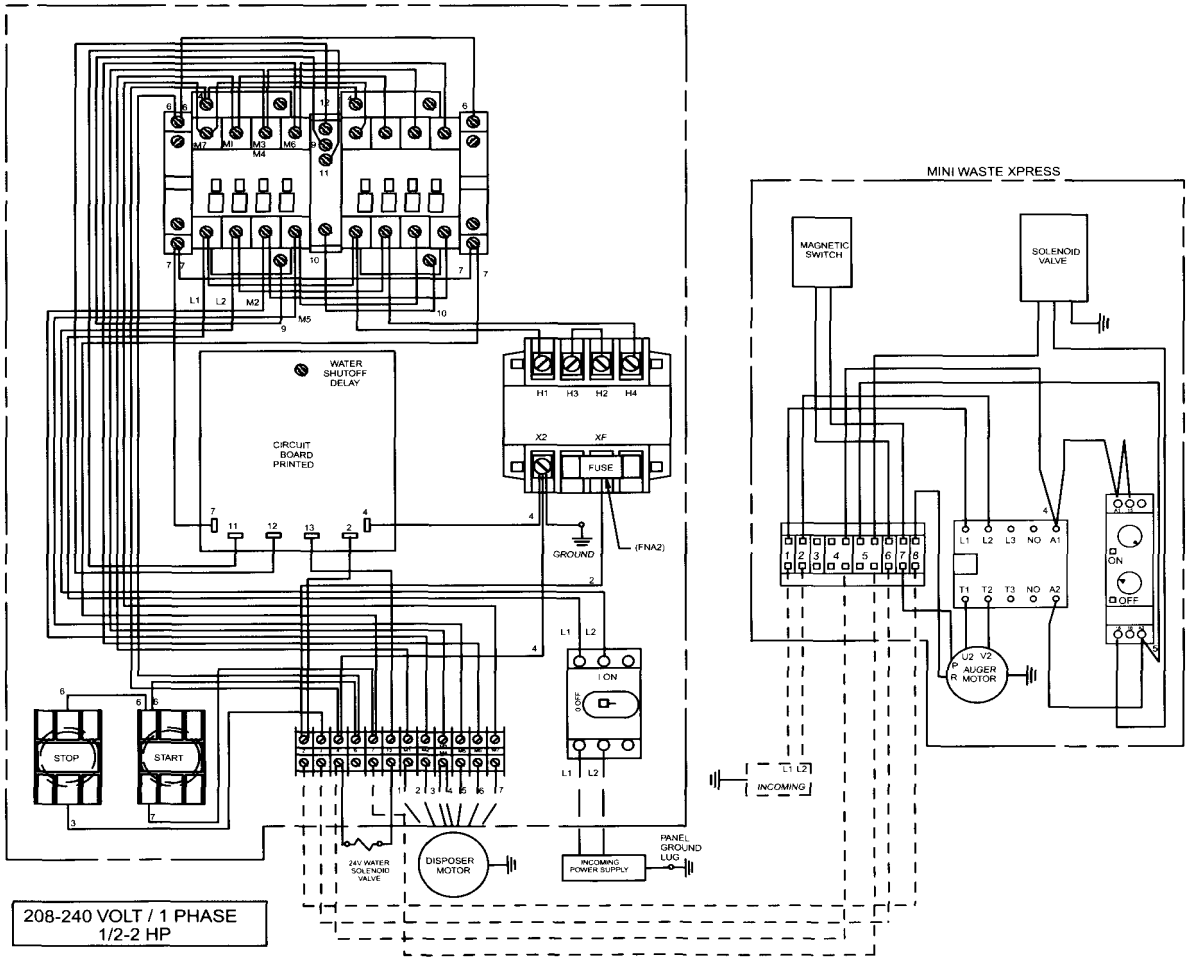
ELECTRICAL SHOCK

- Turn off all electrical supply to the disposer before attempting any work on it. Use a voltmeter or circuit tester to ensure
- Installation must conform to all local electrical codes.
- All control centers and disposers must be carefully and
- A properly fused disconnect must be installed at the electrical supply source for the control center.

CAUTION

PROPERTY DAMAGE

- Ensure that the control center voltage and phase match the disposer motor and electrical supply. Check nameplates on disposers and control centers for voltage and phase specification.
- The disposer motor wiring connection is shown in the disposer terminal box.



DANGER

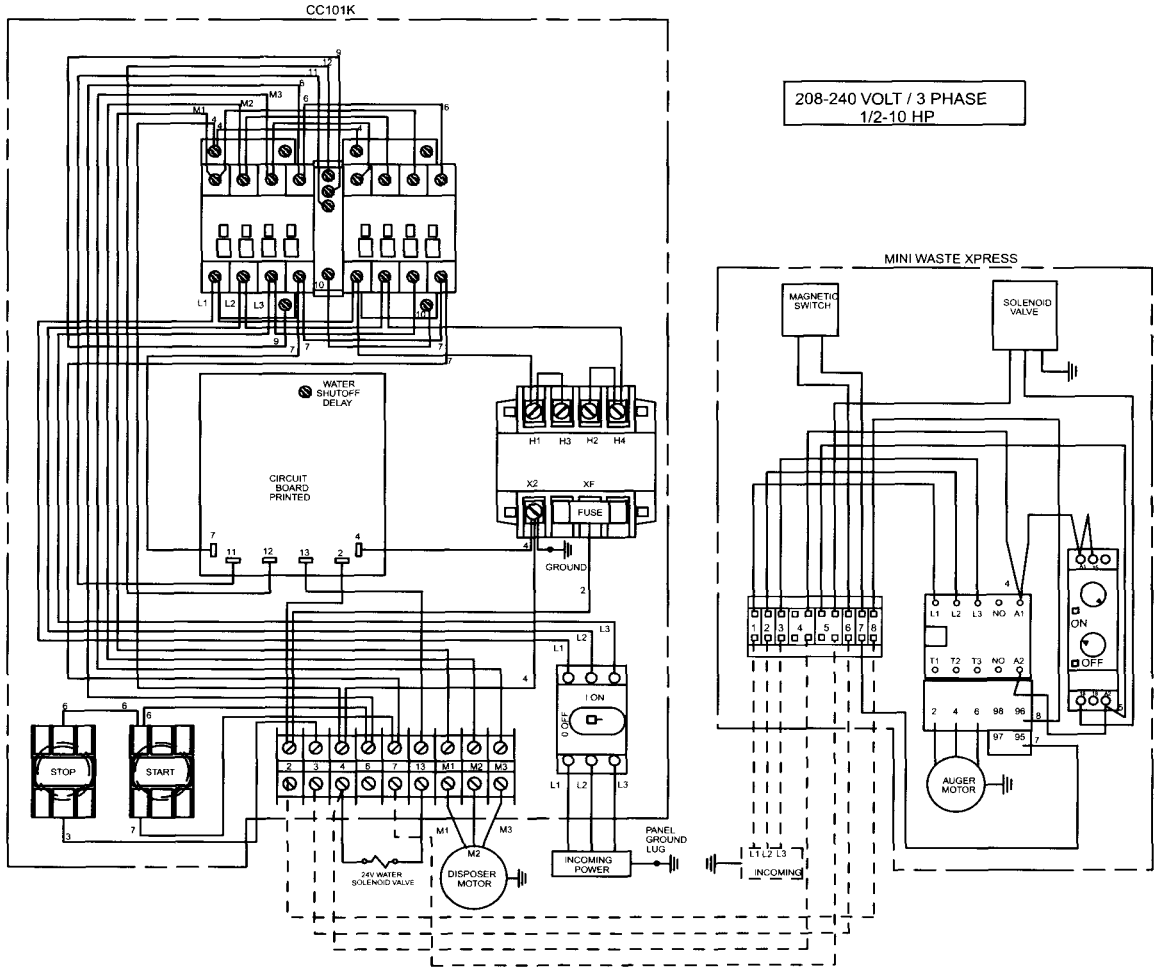
ELECTRICAL SHOCK

- Turn off all electrical supply to the disposer before attempting any work on it. Use a voltmeter or circuit tester to ensure power is off.
- Installation must conform to all local electrical codes.
- All control centers and disposers must be carefully and permanently
- A properly fused disconnect must be installed at the electrical supply source for the control center.

CAUTION

PROPERTY DAMAGE

- Ensure that the control center voltage and phase match the disposer motor and electrical supply. Check nameplates on disposers and control centers for voltage and phase specification.
- The disposer motor wiring connection is shown in the disposer terminal box.



DANGER

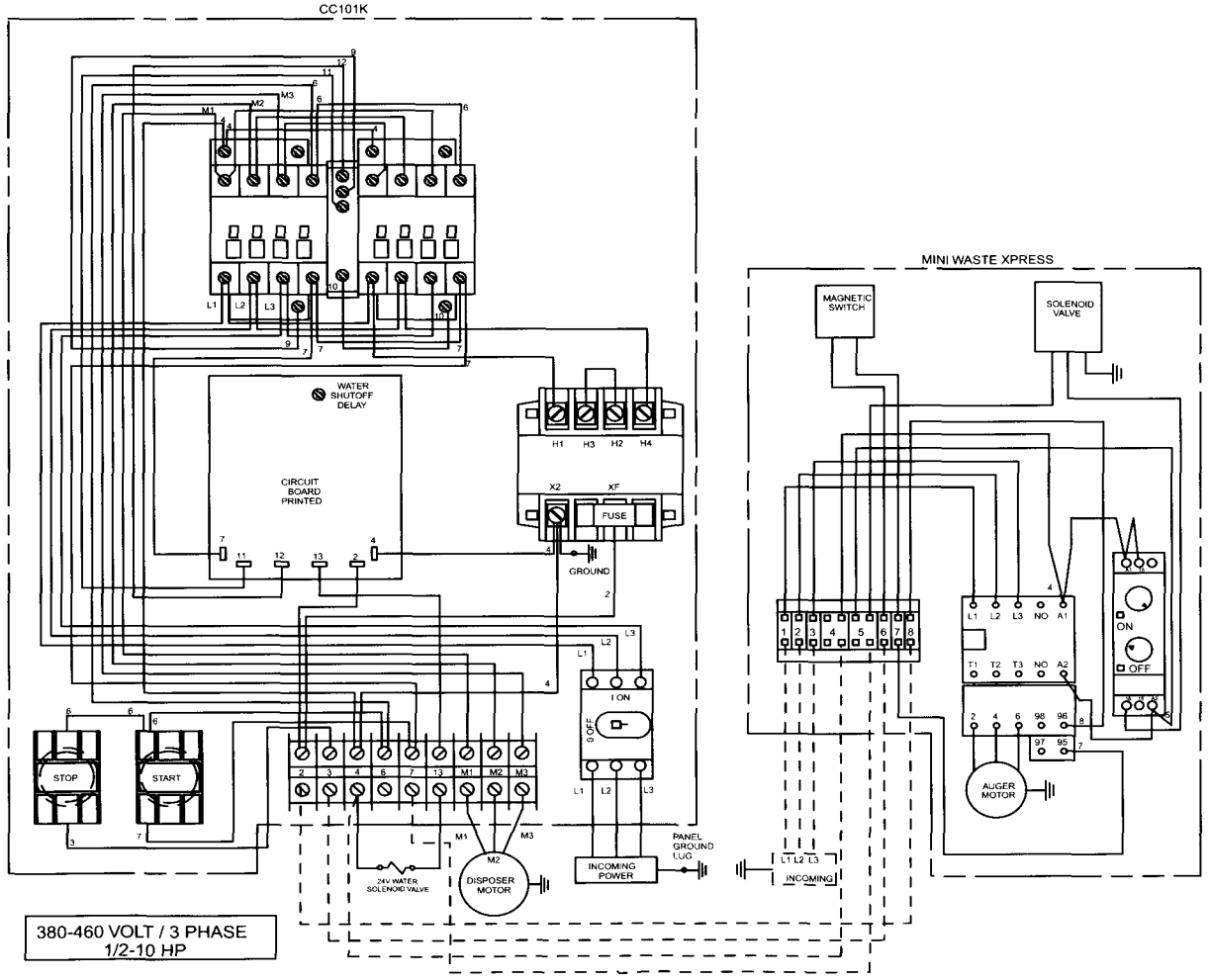
ELECTRICAL SHOCK

- Turn off all electrical supply to the disposer before attempting any work on it. Use a voltmeter or circuit tester to ensure power is off.
- Installation must conform to all local electrical codes.
- All control centers and disposers must be carefully and permanently
- A properly fused disconnect must be installed at the electrical supply source for the control center.

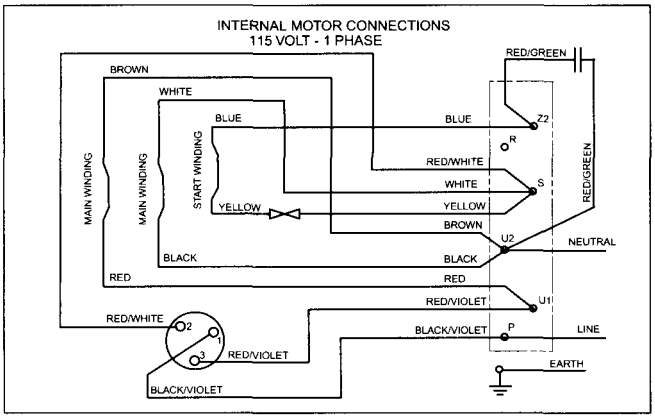
CAUTION

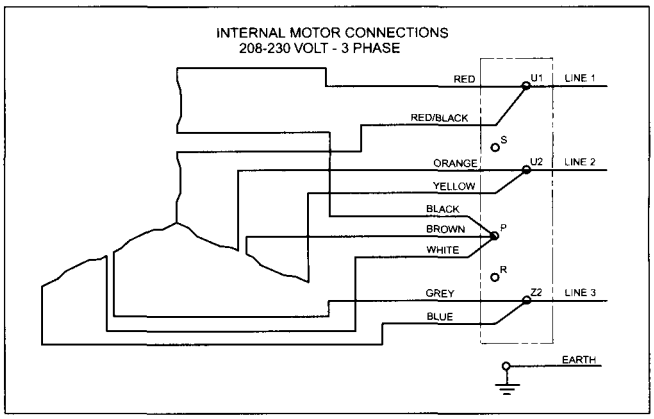
PROPERTY DAMAGE

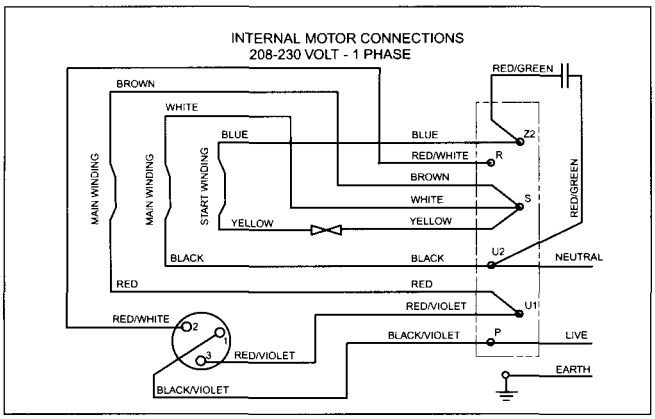
- Ensure that the control center voltage and phase match the disposer motor and electrical supply. Check nameplates on disposers and control centers for voltage and phase specification.
- The disposer motor wiring connection is shown in the disposer terminal box.



Internal Motor Connections







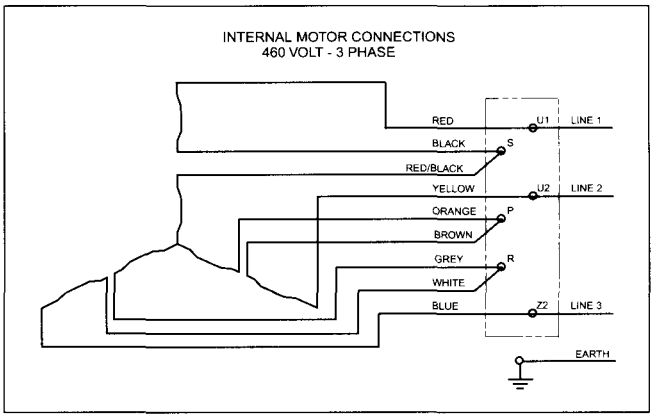


Figure 21-1

Figure 21-2

Troubleshooting

Troubleshooting for problems other than what is listed below should be performed by a qualified service person. Troubleshooting performed by untrained personnel could result in electrical shock or damage to the Mini Waste Xpress, disposer and/or Control Center

DANGER

Electrical Shock

Disconnect power before servicing. Do not bypass interlock switch.

WARNING

Personal Injury

Wait until auger paddles stop before servicing Mini Waste Xpress.

PROBLEM	POSSIBLE CAUSE	SOLUTION
The Mini Waste Xpress, disposer and water do not turn on.	Electrical supply is turned off.	Turn on electrical supply.
	Fuse is blown or circuit breaker is tripped at power supply.	Replace fuse or reset circuit breaker.
	Discharge chute of Mini Waste Xpress is not seated properly.	Reinstall chute to ensure proper fit.
	Waste is blocking safety interlock.	Remove waste from safety interlock.
	Control circuit fuse (FNA2) is blown.	Replace fuse.
	24 volt power from control center not present.	Troubleshoot control center (see individual troubleshooting guide).
The disposer will not start or stops while grinding, but the Waste Xpress and water operate properly.	The disposer overload protector is tripped.	Press stop button on control center and press the red reset button on the disposer. *Note you may need to let disposer cool down before setting.*
	The disposer is jammed.	Press stop button on control center and follow direction for un-jamming (supplied with the disposer).
The Waste Xpress, disposer and water appear to run however no solid waste is ejected from the discharge chute of the Waste Xpress.	Auger is not sufficiently primed with waste after cleaning.	Allow unit to run longer to prime its self.
	Insufficient waste in waste line.	Waste will exit when more waste is added.
	Auger turning in wrong direction	On single phase unit interchange leads to start winding (see figure 22-1). On three phase unit interchange leads L1 and L2.
Water backs up into disposer (does not drain).	The auger and screen are plugged.	Remove plug.
	Auger is not turning.	Ensure that auger is seated properly and that the auger belt is in place.
		Check motor.
	Plumbing line between disposer and Mini Waste Xpress is clogged.	Remove clog.

Troubleshooting continued

Troubleshooting for problems other than what is listed below should be performed by a qualified service person. Troubleshooting performed by untrained personnel could result in electrical shock or damage to the Mini Waste Xpress, disposer and/or Control Center

DANGER

Electrical Shock

Disconnect power before servicing. Do not bypass interlock

WARNING

Personal Injury

Wait until auger paddles stop before servicing Mini Waste Xpress.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Waste Xpress stops unexpectedly.	Discharge chute misalign.	Reinstall discharge chute to ensure proper fit.
	Fuse is blown or circuit breaker is tripped at power source.	Replace fuse or reset circuit breaker.
	Stop button on control center has been pushed.	Push start button on control center.
Water exit Waste Xpress at front of cabinet.	Drain line has clog.	Clear drain.
Mini Waste Xpress does not run, but the disposer and water does.	Contactor is defective.	Replace contactor (see replacing control panel component).
	Auger motor is defective.	Replace contactor (see replacing control panel component).
No water spraying onto auger screen.	Solenoid valve is clogged.	Remove clog.
	Water is turned off.	Turn on water.
	Solenoid valve is defective.	Replace solenoid valve (see replacing solenoid valve).
	Spray nozzles are clogged.	See replacing spray nozzles.
	Timer is defective.	Replace timer (see replacing control panel component).
	Timer is not set properly.	Adjust setting for timer (setting should be 10 sec on 2 min off).
	Solenoid valve is installed incorrectly.	Reinstall solenoid valve so arrow is pointing in correct direction.
Water flows continuously before the controls are turned on.	Solenoid valve installed incorrectly.	Reinstall the water solenoid valve with the arrow on the valve pointing in the direction of the water flow.
	Timer is not set properly.	Adjust setting for timer (setting should be 10 sec on 2 min off)
	Solenoid valve is defective.	Replace solenoid valve (see replacing solenoid valve)
Overload protector trips frequently.	Disposer is overloaded with food waste.	Do not overload disposer with excessive amounts of food waste.

If the Waste Xpress remains inoperative after following this troubleshooting guide, contact In-Sink-Erator's service department at 1-800-558-5700.