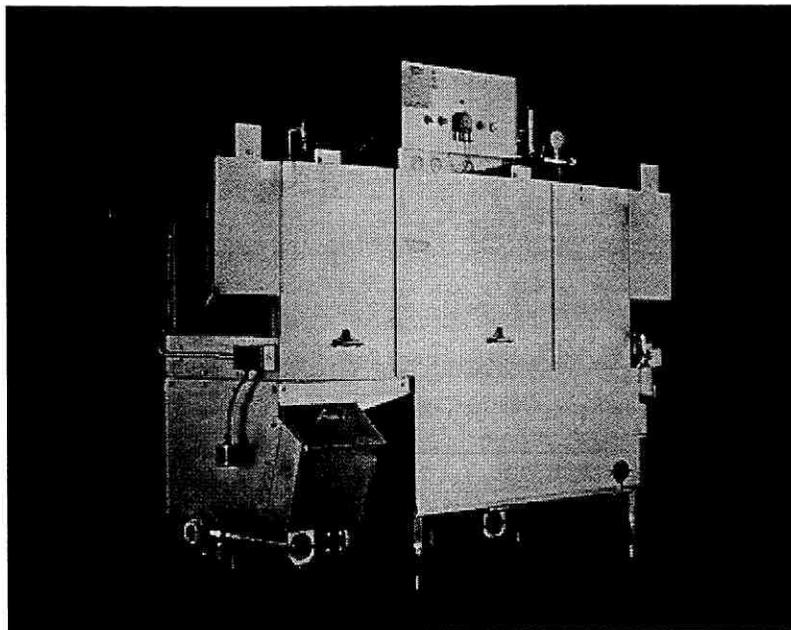




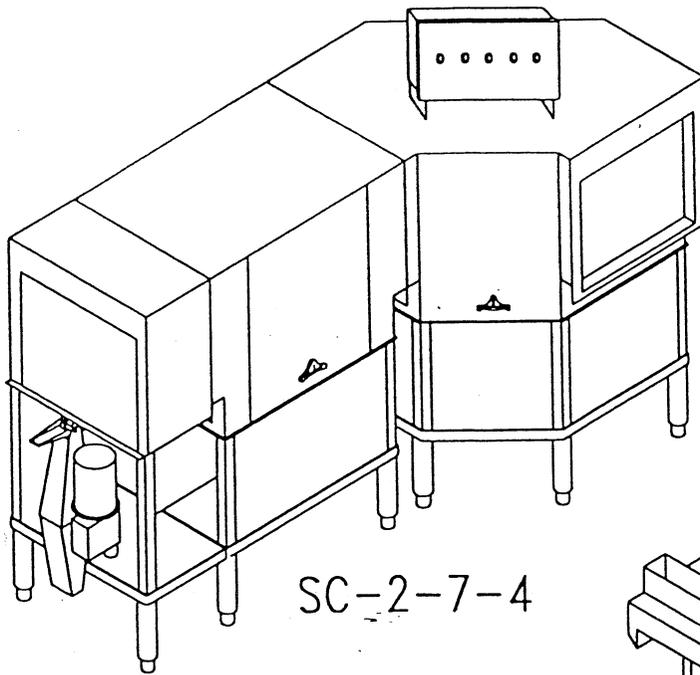
INSTRUCTION & PARTS MANUAL

CONVEYOR

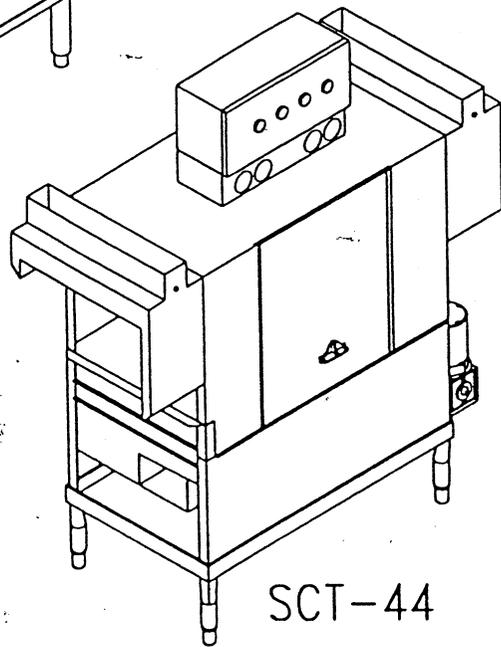


STERO
Dishwashing Machines

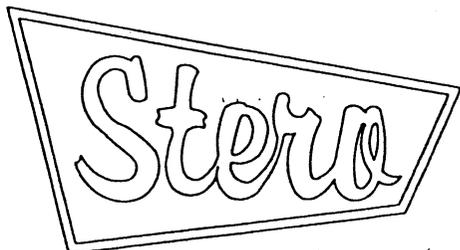
THE STERO COMPANY SCT/SC CONVEYOR TYPE DISHWASHERS



SC-2-7-4



SCT-44



MODEL# _____
SERIAL# _____

THE STERO COMPANY
3200 LAKEVILLE HWY.
PETALUMA, CA. 94954

(707) 762-0071

(800) 762-7600

FAX# (707) 762-1954

RELEASE DATE 4/1/97



Stero

THE STERO COMPANY

This warranty is in lieu of all other warranties, expressed or implied, including without limitation any implied warranty of merchantability, fitness for a particular purpose or noninfringement, and of any other obligation or liability on the part of Stero, whether in contract, strict liability, tort or otherwise.

The Stero Company warrants this equipment to be free from defects in material and workmanship, under normal use and operation, for a period of one (1) year from the date of initial start up or eighteen (18) months from the date of shipment from the factory, whichever comes first. This warranty is conditioned upon the customer's maintenance and care as outlined in the service manual and upon return of the warranty registration card. Repairs will be performed during Stero's authorized service agency's normal business hours. If the customer requires after hours service the customer will be responsible for the overtime premium.

Machine is warranted only for the initial place of installation. Removal of machine automatically terminates the warranty.

Stero shall have no liability under this warranty unless the customer promptly notifies Stero or its factory authorized service agent of any alleged defects. All defective parts become the property of Stero and must be returned to Stero, or its agent, at Stero's expense, within thirty (30) days from the date of the part's replacement. Parts replaced within the warranty carry only the unexpired portion of the machine's warranty. Not covered by this warranty are changes (parts and/or labor) necessitated by or damage resulting from: water conditions, accident, alteration, improper use, abuse, tampering, improper installation or failure to follow operating and maintenance procedures. Examples of the foregoing, but without limitations are: (1) Damage to the machine resulting from excessive concentrations of chlorine or de-liming acid solutions; (2) Use with utility service other than designated on the rating plates; (3) Improper connection to utility service; (4) Inadequate or excessive water and/or steam pressure; (5) Leaks caused by faulty installation; (6) Component failures caused by water leaks due to faulty installation; (7) Failure to comply to local building codes; (8) Failures due to deposits resulting from water or steam conditions, detergents, chemicals, or improper cleaning; (9) Resetting breakers, overloads, or safety thermostats; (10) Adjustments of thermostats after 90 days of operation; (11) Improper opening of utility supply valves; (12) Cleaning drain valves, line strainers, rinse nozzles, etc.; (13) Improper installation or malfunction of chemical dispensing equipment supplied by others; and (14) Failure to provide regular maintenance and daily cleaning as outlined in the service manual. In no event will Stero be liable for loss or damage to or loss of use of facilities or other property, additional labor costs, loss of revenue, loss of anticipated profits, or other damages of any kind what so ever, whether direct, indirect, incidental or consequential.

3200 LAKEVILLE HIGHWAY • PETALUMA, CALIFORNIA 94954 • (707) 762-0071

TOLL FREE 800-762-7600

UL 73 Grounding Instructions:

This Appliance must be connected to a grounded, metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.

INSTALLATION INSTRUCTIONS

- 1- SET MACHINE IN PLACE.
- 2- LEVEL THE MACHINE BY ADJUSTING THE FEET AS REQUIRED.
- 3- MAKE ALL PLUMBING CONNECTIONS AS INDICATED ON THE TAGS FASTENED TO THE MACHINE. COMPLY WITH ALL LOCAL PLUMBING CODES.

(NOTE: MAKE AS MANY CLEANOUTS AS POSSIBLE IN THE DRAIN LINE, USING TEES WITH PIPE PLUGS IN EACH TEE INSTEAD OF ELBOWS, AS IT IS VERY IMPORTANT TO KEEP THE LINES CLEANED OUT).

- 4- MAKE ALL ELECTRICAL CONNECTIONS AS INDICATED ON THE TAGS FASTENED TO THE OUTLETS ON THE MACHINE. ALL ELECTRICAL INTER-CONNECTING IS DONE ON THE MACHINE AT THE FACTORY. COMPLY WITH ALL LOCAL ELECTRICAL CODES.

ADJUSTMENT AND TESTS

- 1- WATER AND STEAM LINES MUST BE BLED BEFORE FINAL CONNECTION TO THE MACHINE IN ORDER TO REMOVE ANY SOIL AND DIRT WHICH HAS ACCUMULATED.
- 2- WHEN STEAM HEAT EXCHANGER IS SUPPLIED THE TRAP ON THE SAME MUST BE BLED.
- 3- CHECK INLET AND OUTLET WATER TEMPERATURES TO CONFORM TO THE FOLLOWING REQUIREMENTS, IN ORDER TO ASSURE SATISFACTORY OPERATION.

COLD WATER - INLET LINE TO FILL VALVE OF SCRAPER TANK, FOR COLD WATER AQUASTAT (WHEN SUPPLIED)

140° F. -INLET LINE TO FILL VALVE OF SCRAPER TANK (WHEN SUPPLIED)

140° F. -INLET LINE TO FILL VALVE OF WASH TANK

140° F. -INLET LINE TO HEAT EXCHANGER (WHEN SUPPLIED)

180° F. -OUTLET FROM HEAT EXCHANGER (WHEN SUPPLIED)

OPERATING INSTRUCTIONS SCT/SC

- 1- CLOSE ALL DRAIN VALVES, INSTALL CURTAINS, STRAINER PANS, AND CLOSE ALL DOORS. THE DOOR SAFETY SWITCHES WILL PREVENT THE MACHINE FROM OPERATING WITH THE DOORS OPEN.
- 2- TURN ON CIRCUIT BREAKERS.
- 3- TURN SAFETY SWITCH TO "ON".
- 4- PUSH "FILL SWITCH" - LIGHT WILL ILLUMINATE UNTIL ALL TANKS FILL TO THEIR PROPER LEVEL (1/2" TO 1" BELOW THE OVERFLOWS) WITH 140° F. TO 150° F. WATER.

IF YOUR MACHINE IS NOT EQUIPPED WITH AUTOMATIC FILL, MANUALLY OPEN THE FILL VALVES UNTIL WATER OVERFLOWS FROM THE TANKS, THEN CLOSE THE VALVES.
- 5- PUSH "BOOSTER SWITCH" (IF EQUIPPED). THE LIGHT WILL ILLUMINATE.
- 6- PUSH "TANK HEAT SWITCH" - LIGHT WILL ILLUMINATE. NOTE: TANK HEAT WILL NOT OPERATE UNTIL ALL TANKS ARE FILLED. WAIT 15-60 MINUTES TO ALLOW THE TANKS TO PRE-HEAT.
- 7- PUSH "START SWITCH" (IF EQUIPPED) - PUMPS AND CONVEYOR DRIVE SYSTEMS WILL OPERATE. IF YOUR MACHINE IS EQUIPPED WITH AUTOMATIC START, THE START SWITCH IS ACTIVATED BY PLACING A RACK INTO THE LOAD END OF THE MACHINE. THE MACHINE WILL STOP AUTOMATICALLY WHEN THE SHUT DOWN TIMER'S PRESENT TIME EXPIRES. THE TIME IS RESET WHEN ANOTHER DISH RACK IS INSERTED.
- 8- WHEN THE DISH RACK REACHES THE FINAL RINSE IT WILL TRIP THE FINAL RINSE LEVER AND THE FINAL RINSE WILL SPRAY SANITIZING WATER OVER THE WARE.
- 9- THE TEMPERATURE GAUGES MEASURE THE TEMPERATURE OF WATER FLOWING THROUGH THE MANIFOLDS. THE PUMPS MUST BE OPERATING BEFORE A VALID READING CAN BE OBTAINED. VERIFY THAT TEMPERATURE READINGS COMPLY WITH THE RANGES ON THE GAUGES.
- 10- THE FINAL RINSE FLOW PRESSURE SHOULD BE ADJUSTED TO 20 PSI.

ADJUSTMENT AND TEST CONTINUED

180° F. -INLET TO FINAL RINSE

180° F. -INLET TO POWER RINSE FILL VALVE (WHEN SUPPLIED)

- 4 - THE MOTOR, HEAT EXCHANGER, AND ALL OTHER ADJUSTABLE PARTS ARE CONNECTED AND SET AT THE FACTORY AND NEED NO FURTHER ADJUSTMENT.

PREVENTATIVE MAINTENANCE

PREVIOUSLY, DAILY MAINTENANCE HAS BEEN RECOMMENDED. IT IS SURPRISING HOW MANY FUTURE REPAIRS WILL BE PREVENTED BY THIS UNDER THIS SECTION. LET'S CONSIDER A FEW POINTS.

- 1 - PUMP MOTOR: ALL OF THE PUMP MOTORS ARE FITTED WITH GREASE SEALED BALL BEARINGS, AND DO NOT NEED TO BE OILED OR GREASED FOR LIFE.
- 2 - GEAR BOX: THE MOTOR GEAR UNIT ALSO HAS SEALED IN BEARINGS AND DOES NOT NEED TO BE GREASED. HOWEVER, AN INSPECTION OF THE OIL LEVEL IN THE GEAR BOX SHOULD BE MADE AT LEAST ONCE A YEAR. THE WEIGHT OF THE OIL IS SAE 90.
- 3 - STRAINERS: HOT AND COLD WATER LINES TO THE MACHINE ARE EQUIPPED WITH LINE STRAINERS AND ARE EASILY RECOGNIZED. THEY ARE LOCATED CLOSE TO THE SOLENOID VALVES. BEFORE THE FINAL RINSE CONNECTION IS MADE, THESE LINES SHOULD BE BLOWN SO AS TO CLEAR OUT ANY SCALE OR SEDIMENTS FROM LODGING IN THE EQUIPMENT TO WHICH THEY ARE CONNECTED. AS IT BECOMES NECESSARY TO CLEAN THE STRAINERS, REMOVE THE PLUG AT THE BOTTOM OF THE STRAINERS, CLEAN, AND REINSTALL.

INFRARED SECTION ADDENDUM

INSTALLATION INSTRUCTIONS

1. Set the machine in place.
2. Level the machine from side to side, and front to back.
 - a. Place a level on turned out lip or tank.
 - b. Adjust level of machine by screwing adjustable feet in or out as necessary.
3. Dish tables can now be set in place.
 - a. The dish table(s) lip or turndown **MUST** be sealed with silicone or similar sealing compound. This compound must be applied so that it is compressed between the table lip and the machine tank. Be generous with this compound, this is a vital part of the installation to prevent leaks.
 - b. The dish table lip must be tightly secured to the vertical edge of the machine tank. This is to allow maximum area for clearance. If the tables interfere with any mechanical parts, it will cause premature wear of the machine and will **NOT** be covered under the machine warranty.

PLUMBING CONNECTIONS

1. Make all plumbing connections as indicated by the tags fastened to the machine connections points.

NOTE: Make as many clean outs as possible in the drain line using tee's with pipe plugs in each tee instead of elbows, as it is very important to keep the lines cleaned out.

COMPLY WITH ALL LOCAL PLUMBING CODES.

ELECTRICAL CONNECTIONS

1. Make all electrical connections as indicated on the tags fastened to the outlets on the machine. All electrical inter-connecting is done on the machine at the factory.

This ware washing unit has been thoroughly tested under actual operating conditions with hot water, steam (when used), gas (when used), and the electrical, all working properly. When the unit has been reassembled properly and all systems connected, one of the most important things to remember is the **FINAL ELECTRICAL CONNECTIONS** to the main power supply. When connecting it to a single or three phase system, and when the electrician turns on the equipment for the first time, the electrician should check to see that the motors are running in the proper direction. If not, then the electrician should switch two of the leads, re-check rotation, secure connections making sure they are **TIGHT AND INSULATED**. The various pump units, valve circuits, etc. have all been phased out and checked out at the factory and should need no attention.

COMPLY WITH ALL LOCAL ELECTRICAL CODES.

INFRARED GAS HEAT CONTROL SYSTEMS

1. The infrared gas tank heat option on your machines will include a RESET button on the main electrical control box or panel. This feature is on the infrared machines only. The purpose of the RESET is to "stage" the control circuit for operation. In the case of a power outage or interruption, the control is locked out and *will not operate* until the circuit is reset by depressing the RESET button. This is a safety feature, and must not be bypassed.

Note: All of the infrared gas heated machines use a 120v control circuit regardless of the voltage of the machine voltage.

ALWAYS DISCONNECT OR TURN MAIN POWER SUPPLY OFF TO MACHINE BEFORE PERFORMING ANY MAINTENANCE OR SERVICE ON YOUR STERO EQUIPMENT.

INFRARED GAS VENTING INSTRUCTIONS

Your Stero dishwasher equipped with infrared gas tank heat will be supplied from the factory with a stainless steel exhausting system which terminates approximately 5 1/2" above the hood of the dishwasher, always in the rear of the machine. Since your Stero dishwasher with infrared gas tank heat is not intended to be directly connected to a ventilation system, an air gap must be provided. Do not make a sealed connection to the machine exhaust stack system. Refer to Stero drawing no. C20-1384 for factory recommended venting. Also, always refer to the National Fuel Gas Code book for venting requirements.

All venting must be made to the atmosphere.

COMPLY WITH ALL LOCAL VENTING CODES.

ADJUSTMENTS AND TESTS

1. Water and steam lines must be bled before final connection to the machine in order to remove any soil and dirt which may have accumulated.
2. When steam heat exchanger is supplied, the trap on same must be bled.
3. When infrared gas heat exchanger is supplied, you must make sure that you have sufficient gas pressure in the lines for proper operation. Natural gas manifold pressure must be 3" water column. LP gas must be 8" water column. Measure the manifold pressure at the 1/8" NPT pressure taps on the gas valves with a manometer.
4. Check inlet and outlet water temperatures to meet the following requirements, in order to assure satisfactory operation.

cold water - inlet line to fill valve of scrapper tank, and for cold water aquastat when supplied.

140°F - inlet line to fill valve of wash tank.

140°F - inlet line to heat exchanger (when supplied).

180°F - outlet from heat exchanger (when supplied).

180°F - final rinse measured at the dish.

180°F - inlet to power wash and power rinse fill valve (when supplied)

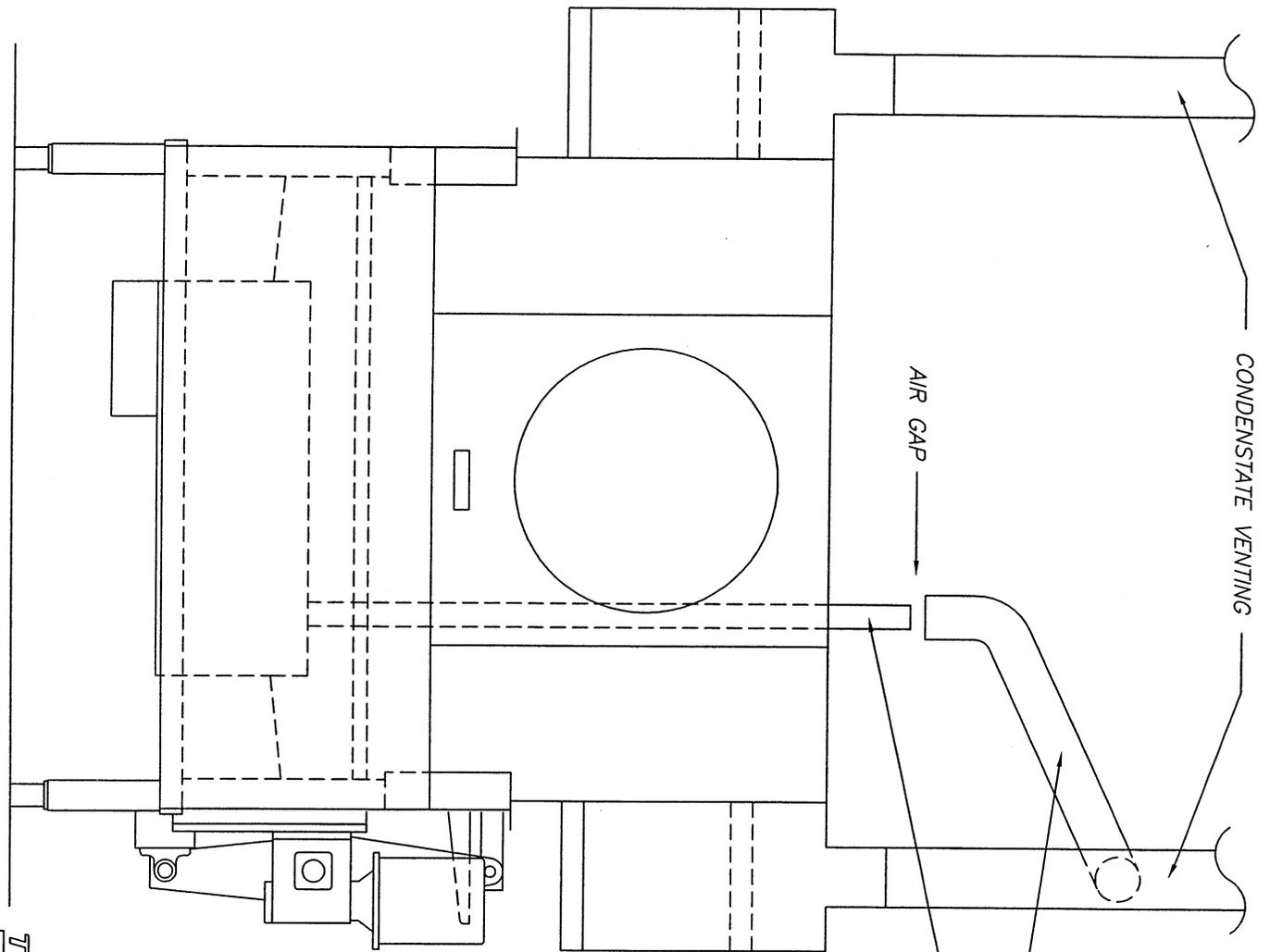
5. The motor(s), heat exchanger(s), gas regulator(s), orifice(s), and all other adjustable parts are connected and set at the factory and should need no further adjustments.

CONVEYOR MACHINE OPERATING INSTRUCTIONS

1. Close all drain valves, install curtains, strainer pans, and close all doors. The door safety switches will prevent the machine from operating with the doors open.
2. Turn on the circuit breakers.
3. Turn SAFETY switch to the ON position.
4. Depress the RESET button (if equipped with the infrared gas tank heat option), this will stage the control circuit.

Note: If there is a power outage or an interruption to the power supply, the control is manually locked out and *will not operate* until the circuit is reset by depressing the RESET button. This is a safety feature, and must not be bypassed.

ALL DIMENSIONS ARE IN DECIMAL INCHES UNLESS STATED OTHERWISE.
BREAK ALL SHARP EDGES.



NOTE: ALL FABRICATION BY OTHERS FOR VENTING MUST MEET OR EXCEED ALL LOCAL CODES. AS A BY PRODUCT OF OUR VERY HIGH EFFICIENCIES, SOME CONDENSATION IS PRESENT IN THE EXHAUST. ALL STERO COMPONENTS FOR EXHAUSTING THE I.R. HEATERS ARE FABRICATED OUT OF 304 18-8 STAINLESS STEEL.

INTEGRAL DRAFT HOODS ARE NOT RECOMMENDED FOR OUR SYSTEMS BECAUSE OF THE LOW EXHAUST TEMPERATURES AND THE LOW STACK DRAFT.

FACTORY RECOMMENDED EXHAUST TIE-IN TO CONDENSATE VENTING - INDIRECT CONNECTION. COMPLY WITH ALL LOCAL CODES AND FABRICATING REQUIREMENTS.

TYPICAL 1 5/8" DIAMETER STAINLESS STEEL EXHAUST STACK.
TYPICAL FLUE TEMPERATURES - 125-145° F
TYPICAL FLUE DRAFT - +.1" W.C.

TYPICAL SINGLE BURNER CONVEYOR DISHWASHER

THE STERO COMPANY 2200 LAKEVILLE HIGHWAY, PHONE: (707)762-0071
PETALUMA, CALIFORNIA 94954, FAX: (707)762-5006

TITLE: RECOMMENDED VENTING, I.R. GAS DISHWASHER	
MATERIAL: NOTED	DIMENSION TOLERANCE: FRAC. ± 1/64" DEC. ± .005"
DATE: 5/27/1999	SCALE: 1 = 12
DRAWN BY: LN	SHEET # 1 OF 1
	AW. # A20-1384

THE STERO COMPANY AND THE STERILIZATION OF SURFACES ARE REGISTERED TRADEMARKS OF THE STERO COMPANY.

FINAL RINSE BOOSTER

The final rinse booster supplied with the equipment is sized so as to supply adequate gallonage of 180°F to 195°F water per minute to the final rinse. To do this it should have an incoming water supply of 140°F of at least 20 to 25 psi flow pressure. If the booster is steam heated, it should also have an adequate steam supply of at least 15 to 40 psi. Water and steam lines to the booster should be sized as indicated on the drawings or called for in the specification. The electrical power supply to the booster should be of the required voltage and phasing as called for in the drawings or specifications.

The temperature in the final rinse is controlled by a FENWALL thermostat unit. If it becomes necessary to adjust the final rinse temperature, refer to the thermostat section for the proper procedure. The tank heat in the power wash and power rinse tanks are also controlled by a thermostat. If it becomes necessary to adjust these temperatures, please refer to the thermostat section which contains the needed information as how to adjust them.

INFRARED BURNER SYSTEM AND OPERATING SEQUENCE

Your Stero dishwasher equipped with the infrared gas heaters is based on a simple operating premise and parts, when coupled together with good maintenance, will provide long reliable service. The following parts make up the "system". Refer to the exploded isometric views further on in this manual for part identification and relation to assembly.

1. Adjustable gas regulator(s).
2. Electromechanical gas valve(s).
3. Silicon carbide hot surface igniter(s).
4. Flame sensor(s).
4. Air blower(s).
5. Electromechanical air switch(es) with air line(s) connected to the blower(s).
6. Controller(s).
7. Gas lines from valves to mixing chamber(s).
8. Orifice(s).
9. Cylindrical infrared gas burner(s).
10. Stainless steel heat exchanger(s).
12. Heat recirculation box(es) and exhaust tube(s).
13. Gaskets, fasteners, and brackets.

All of the components require simple tools for disassembly and reassembly and are generally straight forward. 1. The gas plumbing connections should be made with a good acceptable pipe compound to eliminate leakage. This includes the plumbing to the machine common gas line(s); the regulator(s); gas valve(s), gas line(s) from the valve to the mixing chamber(s), plumbing connection(s) to the infrared gas burner(s). Never over tighten the connections for this may cause undue breakage or premature part failures.

Your Stero dishwasher should require no initial adjustments, however, upon initial installation, servicing or replacement of parts consider the following operating sequence for proper operation. The system(s) are designed to run on both *natural*, and *LP gas*. All of the components will be preset at the factory. Upon part replacement or servicing, the system may need to be readjusted to meet the original factory specifications.

SEQUENCE OF EVENTS

After machine is installed to the manufacturers specifications and to all local and state codes, the *INFRARED GAS TANK HEAT SYSTEMS* will operate in the following sequence.

I. DISHWASHER WITH AUTO-START OPTION.

1. Turn the main power supply to the dishwasher on.
2. Switch the gas valve(s) to the ON position.
3. Turn the SAFETY switch located on the main electrical control box or panel to the ON position.
4. Depress the RESET button located on the main electrical control box or panel, which will "stage" the control circuit.
5. Fill the machine with water to the proper level(s).
6. Depress the TANK HEAT button(s) located on the main electrical control box or panel, and if the thermostats, high limits, and low water cutoff float switches are satisfied, the following should take place:
 - a. The blower(s) will start, and the BLOWER light located on the main electrical control box or panel will illuminate indicating operation.
 - b. The air switch(es) will then read the blower pressure and complete the circuit.
 - c. The igniter(s) will then heat up to temperature.
 - d. The gas valve(s) will then open and start the mix of air/fuel in the burner(s), and the BURNER light located on the main electrical control box or panel will illuminate indicating operation.
 - e. Ignition of the burners will then take place, and the system(s) should run smoothly and quietly.

To turn the burner(s) off, depress the illuminated TANK HEAT button(s), and the system(s) will turn off.

II. DISHWASHER WITH MANUAL-START OPTION.

1. Turn the main power supply to the dishwasher on.
2. Switch the gas valves to the ON position.
3. Depress the RESET button located on the main electrical control box or panel, which will "stage" the control circuit.
4. Fill the machine with water to the proper level(s).
5. Depress the TANK HEAT button(s) located on the main electrical control box or panel, and if the thermostats, high limits, and low water cutoff float switches are satisfied, the following should take place:
 - a. The blower(s) will start, and the BLOWER light located on the main electrical control box or panel will illuminate indicating operation.
 - b. The air switch(es) will then read the blower pressure and complete the circuit.
 - c. The igniter(s) will then heat up to temperature.
 - d. The gas valve(s) will then open and start the mix of air/fuel in the burner(s), and the BURNER light located on the main electrical control box or panel will illuminate indicating operation.
 - e. Ignition of the burners will then take place, and the system(s) should run smoothly and quietly.

To turn the burner(s) off, depress the illuminated TANK HEAT button(s), and the system(s) will turn off.

Preventive maintenance continued.

4. Conveyor system: On the drive mechanism which moves the conveyor bar(s), all moving parts should be regularly greased with a good multi purpose lithium grease, and/or the use of a good lubricating oil such as WD-40 is recommended on all moving parts of the machine to aid in the life of the machine.

5. Electrical switches: Some of the switches such as the TANK HEAT, FILL, BOOSTER, use lights internal to the switches. If the bulb fails, immediate replacement is recommended. The face of the switch unscrews for easy replacement of the bulbs. These switches are illuminated for the purpose of safe operation of the equipment.

6. Infrared burners and system: Even though the system is protected by the frame of the machine, and sheet metal surrounding the blower(s), periodical inspection of components for damage or blockage is recommended. The blower intake area should be checked for obstructions and wiped free of dirt and oils on a regular basis.

7. Rinse savers: The rinse saver pan located in the final rinse area of your dishwasher should be checked regularly for obstructions in the pipes, and proper adjustment of the flapper to allow for flow of final rinse water not to exceed 2 gallons per minute in the wash tank(s).

8. Wash arms: All wash arms should be checked regularly for obstructions and securely kept in place with all end caps attached.

10. Drain valve(s): All of the drain valves should be checked for obstructions and proper operation. A leaking seat on a drain valve can cost you in unnecessary water, soap, and energy consumption.

11. Curtains: All of the curtains should be cleaned regularly and checked for wear and tear. Replace if necessary.

9. Leaks: All leaks should be fixed whenever they occur.

DAILY MAINTENANCE

Cleanliness is one of the most important things in any scullery. Clean equipment prevents repair problems, and most important of all, it gives you *clean, sanitary ware*. This is best accomplished by establishing a daily procedure, and by selecting a supervisor, if possible, to see that it is properly done.

At the end of each shift or washing period, the following steps will insure proper results from your Stero dishwasher.

1. **SHUT OFF ALL POWER TO THE MACHINE BEFORE CLEANING OR SERVICING.** If the machine is steam heated, turn off the steam supply to the machine. If gas heated, turn off the gas supply to the machine.

2. Drain the machine.

3. Open all doors and remove wash arms, scrap screens, and curtains. The wash arm end caps should be removed and the wash arms should now be cleaned in a sink, or flushed out with a hose.

4. Wash, scrub, and rinse down the inside of the machine. All refuse in the bottom of the tanks should be flushed down the drain(s). Remove any foreign matter that might remain between the drain poppet and the seat of the drain(s).

5. Clean the exterior of the machine with a good, acceptable stainless steel cleaner. Lemon oil may be used.

6. The floor around the base of the machine and under the table should also be cleaned to prevent soil accumulation.

7. All interior components removed from the machine should now be reinstalled. Leave all the doors open to allow the interior of the machine to air dry.

Always remember, a clean machine is a well maintained machine. You can't get clean, sanitized ware from a dirty machine!

Operating instructions continued

5. Turn valve on at each gas valve.
6. Push the FILL button. The light will illuminate until all of the tanks fill to their proper level with 140°F - 150°F water.
6a. If your machine is not equipped with automatic fill, manually open the fill valves until the water reaches the overflow level, then close the valves.
7. Push the BOOSTER button (if equipped), and the light will illuminate.
8. Push the TANK HEAT button. The light will illuminate.

Note: Tank heat will not operate until all of the tanks are filled. Wait a sufficient amount of time to let the tanks reach the desired operating temperatures.

9. After the tanks are heated to the proper operating temperatures, push the START button (if equipped). Pumps and conveyor drive will operate. If your machine is equipped with automatic start, the start up of the machine is activated by placing a rack into the load end of the machine. The machine will stop automatically when the shut down timers pre-set time expires. The time is reset when another dish rack is inserted.
10. When the dish rack reaches the final rinse, it will trip the final rinse lever and the final rinse will spray sanitizing water over the ware.
11. The temperature gauges measure the temperature of water flowing through the manifolds. The pumps must be operating before a valid reading can be obtained. Verify that temperature readings comply with the ranges on the gauges.
12. The final rinse flow pressure should be adjusted to 20 psi for correct rinse flow over the ware.
13. An optional table limit switch will stop the conveyor drive and pump motors when a dish rack approaches the end of the clean dish table.
14. Turn the TANK HEAT switch(es) off before draining the tanks.
15. Turn the SAFETY switch off at the end of the operating period, or before cleaning or servicing the dishwasher.
16. Clean the machine in accordance with the daily maintenance procedures. Remember, *you cannot get clean, sanitized ware from a dirty machine!*

PREVENTIVE MAINTENANCE

It is surprising how many future repairs will be prevented by completing regular maintenance.

1. Pump motor(s): All of the pump motors are fitted with grease sealed ball bearings, and do not require grease or oiling for the life of the motor(s).
2. Gear box: The motor gear unit also has sealed bearings and does not require grease or oiling for the life of the motor. However, an inspection of the oil level in the gear box should be made at least once a year. We recommend a good brand of SAE90 gear oil be used.
3. Line strainers: Hot and cold water lines to the machine are equipped with line strainers, and are easily recognized. They are located close to the solenoid valves. Before the final rinse connection is made, these lines should be blown out so as to clear out any scale or sediments from lodging in the equipment which they are connected to. As it becomes necessary to clean the strainers, remove the plug at the bottom of the strainers, clean, and reinstall.

TABLE OF CONTENTS

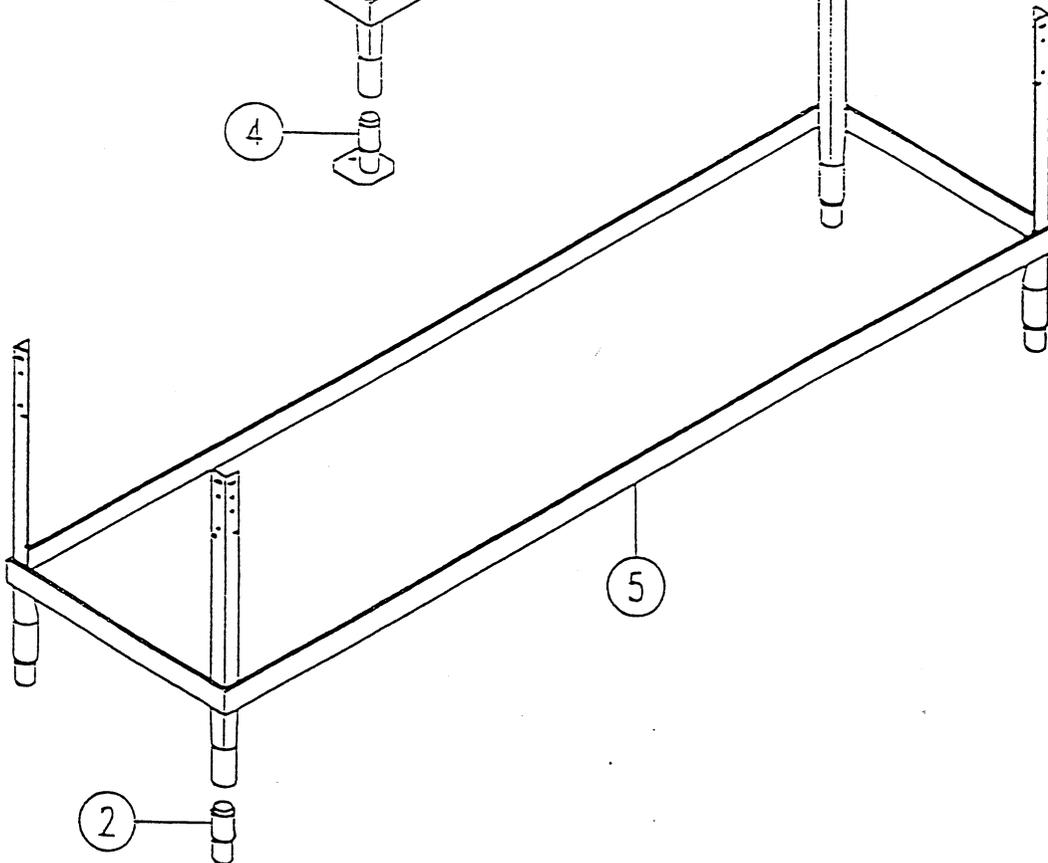
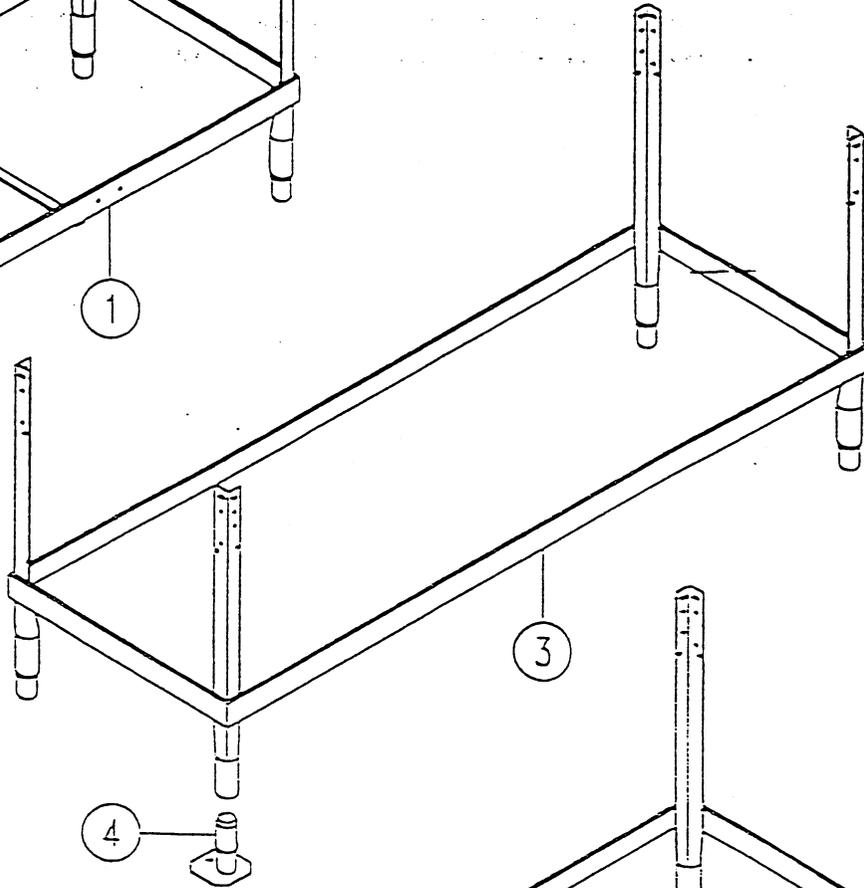
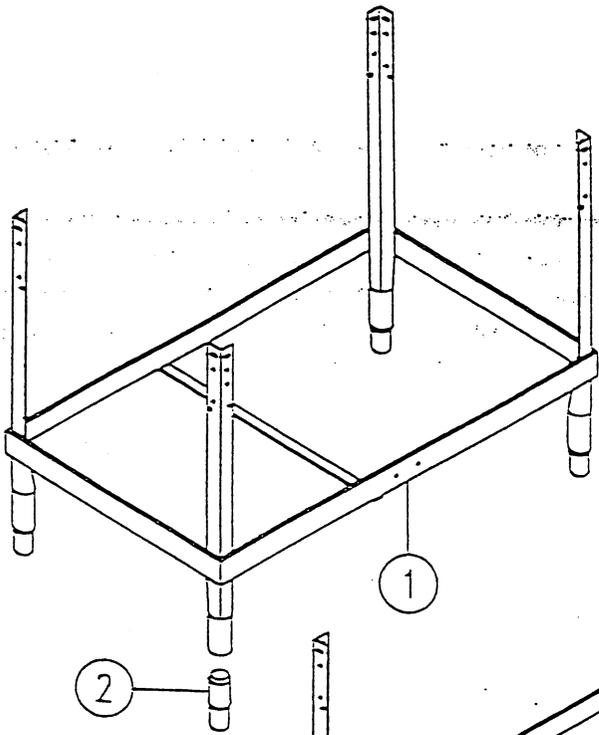
DESCRIPTION	PAGE
TYPICAL SCT FRAMES	1-2
TYPICAL SC FRAMES	3-4
TYPICAL SCT FRONT PANELS	5-6
TYPICAL SC FRONT PANELS	7-8
TYPICAL SCT TANKS	9-10
TYPICAL SC TANKS	11-12
SCRAP CATCHMENTS & BASKETS	13-14
STRAINER PANS	15-16
TYPICAL SCT HOODS	17-18
TYPICAL SC HOODS	19-20
TYPICAL HOOD ASSEMBLY	21-22
CURTAINS & RODS	23-24
RAC-27 SIDE LOADER	25-26
368 PUMP & 1-1/2, 2 HP MOTOR	27-28
321 PUMP & 1 HP MOTOR	29-30
1/4 HORSE PRICE PUMP	31-32
MOTOR & GEAR BOX DRIVE ASSEMBLY	33-34
TYPICAL STRAIGHT DRIVE SECTION	35-36
TYPICAL CURVED DRIVE SECTION	37-38
TYPICAL PAWL BARS & RAILS	39-40
DWELL UNIT ASSEMBLY	41-42
TYPICAL TANK ASSEMBLY	43-44
LEVERS & BRACKETS	45-46

TABLE OF CONTENTS CONTINUED

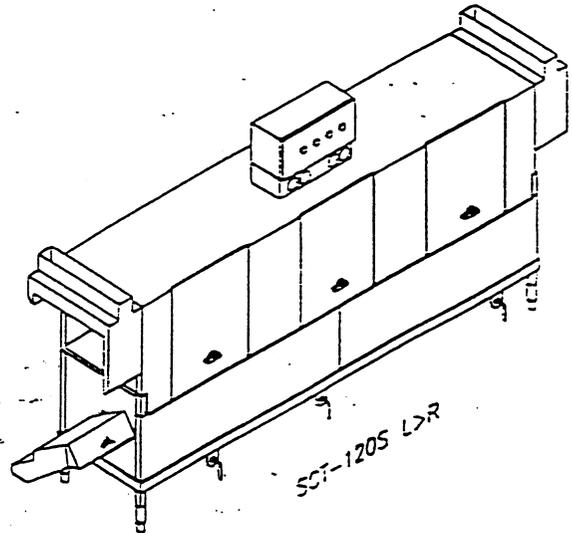
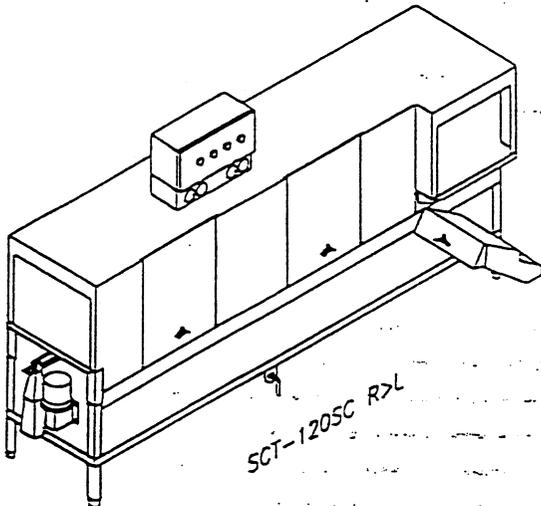
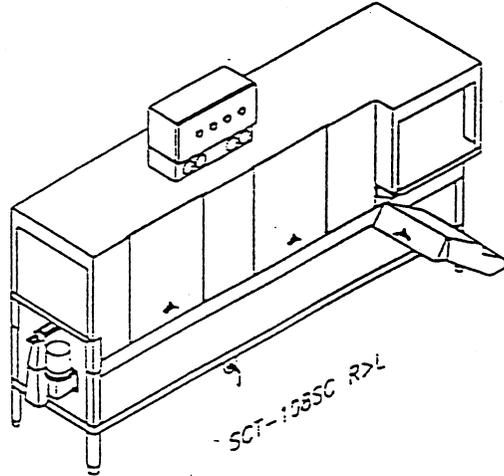
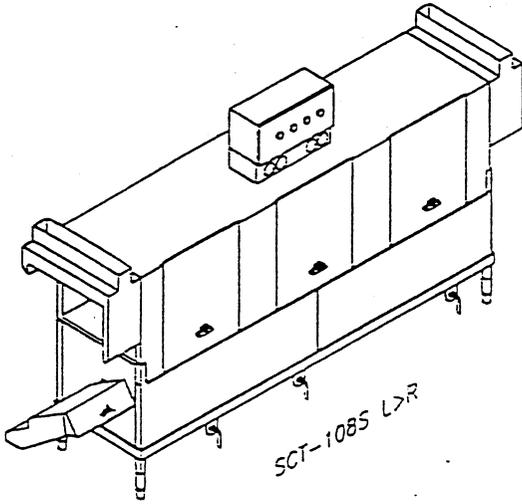
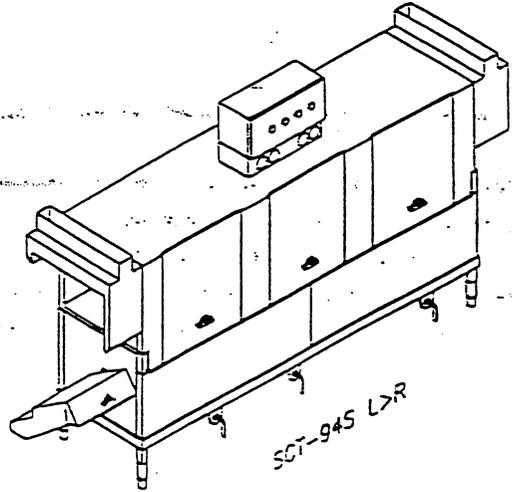
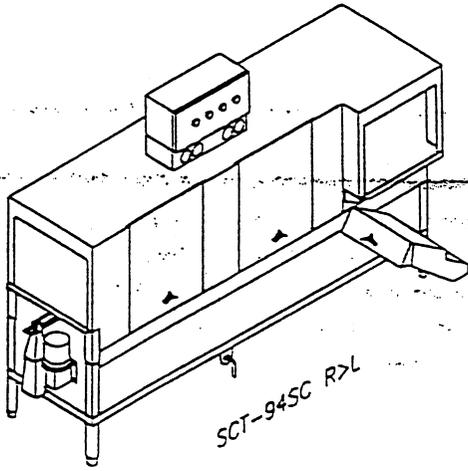
DESCRIPTION	PAGE
START & RINSE LEVER ASSEMBLIES	47-48
SCRAP TANK SPRAY ASSEMBLY	49-50
WASH/RINSE SPRAY ASSEMBLY	51-52
FINAL RINSE HI TEMP ASSEMBLY	53-54
OLD STYLE LO TEMP RINSE ASSEMBLY	55-56
NEW STYLE LO TEMP RINSE ASSEMBLY	57-58
ECOLAB FINAL RINSE ASSEMBLY	59-60
CS POWER RINSE ASSEMBLY	61-62
STEAM COIL/INJECTOR ASSEMBLY	63-64
OLD STYLE GAS HEAT ASSEMBLY	65-66
INFRARED GAS TANK HEAT ASSEMBLY	67-68
INFRARED EXHAUST ASSEMBLY	69-70
ELECTRICAL HEAT COMPONENTS	71-72
BLOWER DRYER TANK ASSEMBLY	73-74
BLOWER DRYER ASSEMBLY	75-76
STEAM BOOSTER TYPES	77-78
COMMON PARTS PLUMBING	79-80
PLUMBING ASSEMBLY WITH OUT KIT 55	81-82
PLUMBING ASSEMBLY WITH KIT 55	83-84
DRAIN & OVERFLOW ASSEMBLY	85-86
TEMPERATURE & PRESSURE GAUGE ASSEMBLY	87-88
TYPICAL CONTROL BOXES	89-90
SWITCH ASSEMBLIES	91-94

TABLE OF CONTENTS CONTINUED

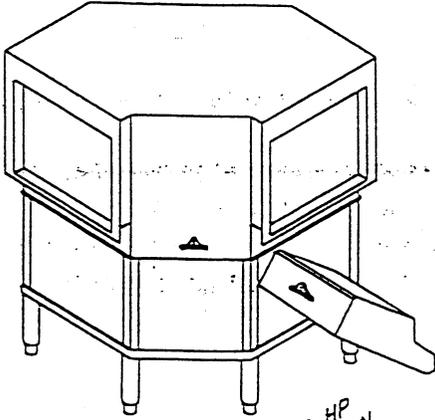
DESCRIPTION	PAGE
CONTROL BOX COMPONENTS	95-98
TABLE LIMIT SWITCH ASSEMBLY	99-100
FLOAT SWITCH ASSEMBLY	101-102
NEW STYLE FLOAT SWITCH ASSEMBLY	103-104
THERMOSTATS	105-106
ELECTRICAL FITTINGS	107-108



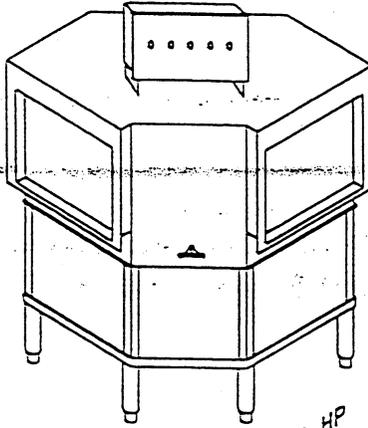
SCT CONVEYOR MACHINES



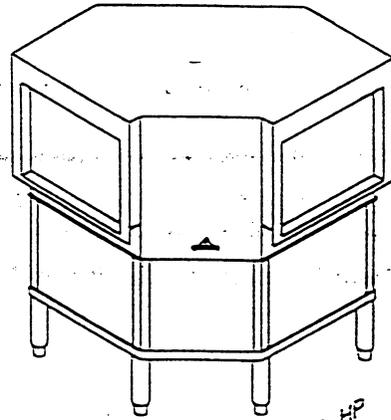
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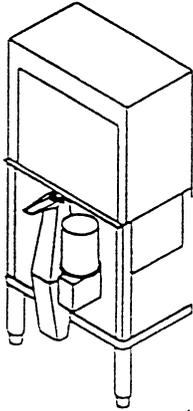
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SCRAPPING SECTION



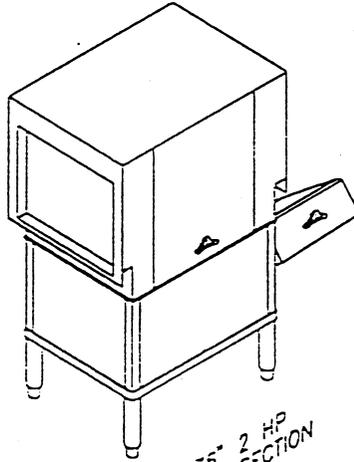
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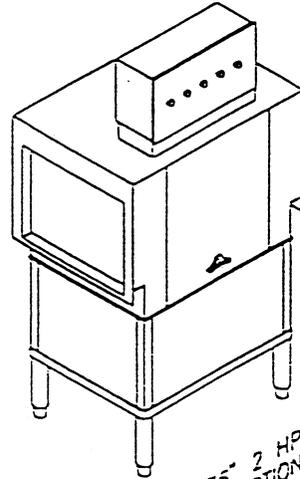
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RINSE SECTION



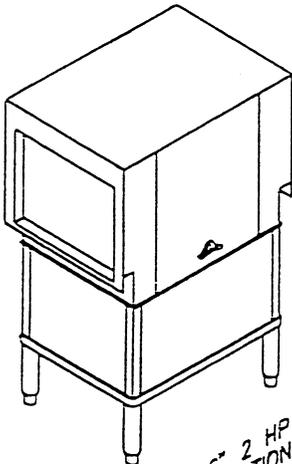
SC-4 12° HI OR LO
TEMP RINSE SECTION



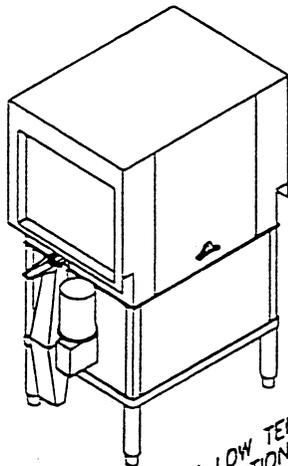
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SCRAPPING SECTION



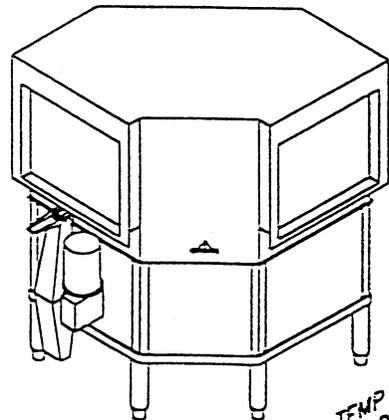
SC-5 36° 2 HP
WASH SECTION



SC-7 36° 2 HP
RINSE SECTION



SC-8 36° LOW TEMP
RINSE SECTION

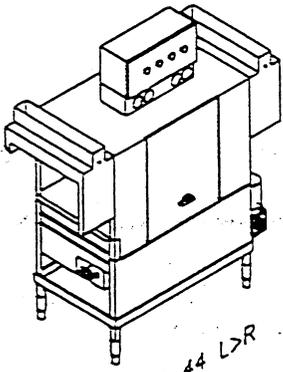


SC-9 90° LOW TEMP
PUMPED RINSE SECTION

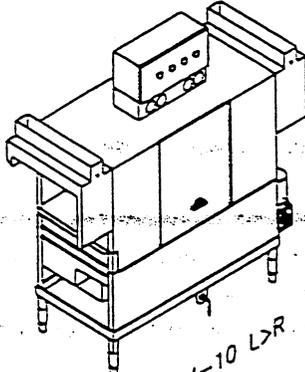
SCT/SC TROUBLE SHOOTING

PROBLEM	LOOK FOR	CORRECTION
FINAL RINSE WILL NOT COME UP TO TEMPERATURE. (CONTINUED)	9-DEFECTIVE FINAL RINSE VALVE. 10-DEFECTIVE BOOSTER. 11-WRONG SIZE BOOSTER.	9-CHECK FOR PROPER OPERATION. 10-CHECK BOOSTER. 11-CHECK BOOSTER SIZE.

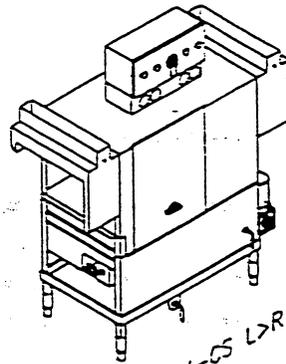
SCT CONVEYOR MACHINES



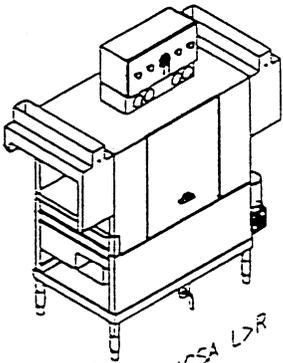
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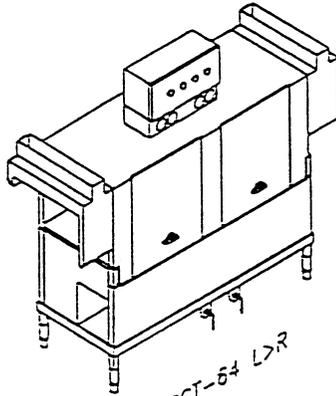
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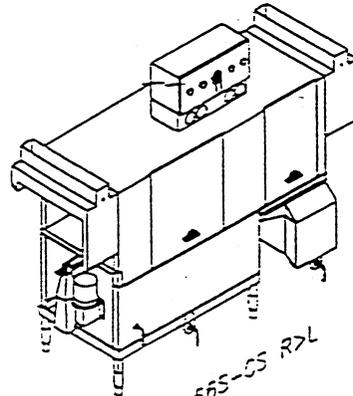
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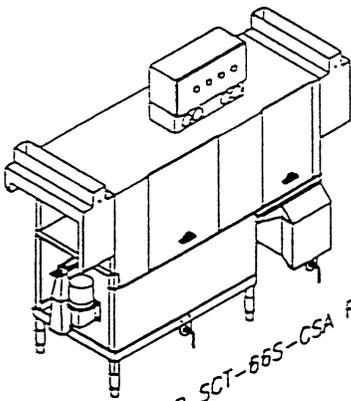
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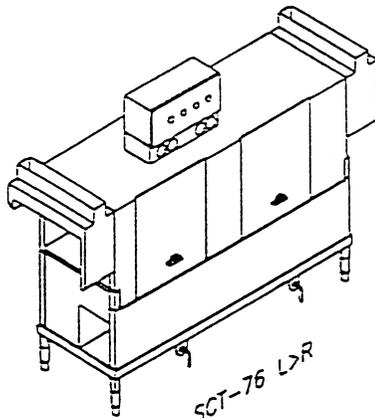
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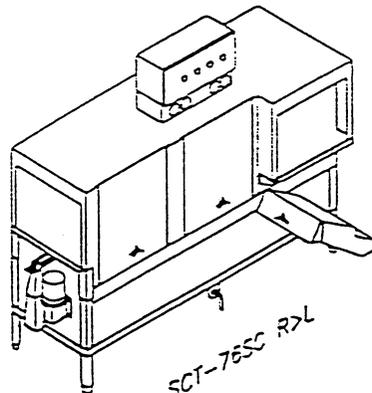
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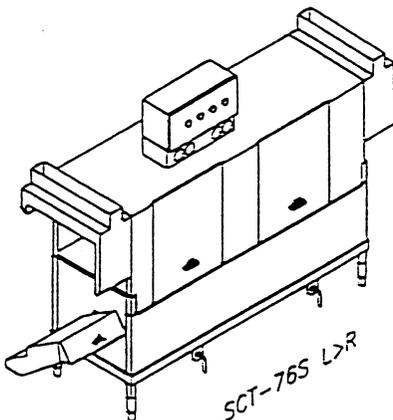
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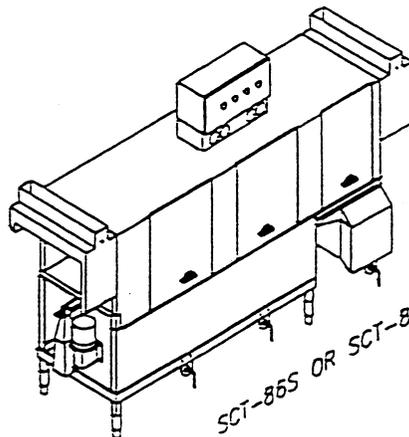
SCT-76 L>R



SCT-76SC R>L



SCT-76S L>R



SCT-86S OR SCT-86S-GSA R>L

SCT/SC TROUBLE SHOOTING

PROBLEM	LOOK FOR	CORRECTION
MACHINE WILL NOT START (CONTINUED).	7-DEFECTIVE START SWITCH CONTROL. 8-DEFECTIVE SHUT DOWN TIMER (WHEN USED). 9-DEFECTIVE AUXILIARY CONTACTOR.	7-CHECK TO INSURE RELAY IS ENERGIZING WHEN RACK START SWITCH IS DEPRESSED. 8-CHECK SHUT DOWN TIMER FOR PROPER OPERATION. 9-CHECK TO INSURE CONTACTS ARE CLOSING.
PUMP MOTOR KICKING OUT.	1-CHECK MOTOR ROTATION. 2-CHECK LINE VOLTAGE. 3-BROKEN GLASS, DISH, SILVER, ETC. IN PUMP HOUSING. 4-PLUGGED MANIFOLDS.	1-CHANGE MOTOR ROTATION. 2-CHECK WITH VOLTMETER. 3-REMOVE PUMP MOTOR & CLEAN PUMP HOUSING. CHECK INTAKE & DISCHARGE SIDE OF PUMP. 4-REMOVE & CLEAN UPPER & LOWER MANIFOLDS.
RACKS WILL NOT CONVEY THROUGH MACHINE.	1-CHECK CONVEYOR DRIVE MOTOR. 2-CHECK GEAR BOX. 3-CHECK CONVEYOR RELEASE HOUSING. 4-CHECK FOR WORN CAM FOLLOWER. 5-CHECK CONVEYOR BAR BEARING. 6-CHECK LADDERS IN RACKS FOR BROKEN RUNGS. 7-CHECK CONVEYOR PAWLS. 8-TABLE LIMIT SWITCH (WHEN SUPPLIED).	1-RESET OVERLOAD. 2-CHECK GEAR BOX FOR PROPER OPERATION, CHECK OIL LEVEL, USE SAE 90 WT. 3-CHECK FOR PROPER TENSION ON RELEASE ARM TENSION BAR. 4-REPLACE IF NECESSARY. 5-REPLACE IF WORN. 6-REPLACE BROKEN RACKS. 7-ADJUST OR REPLACE IF WORN. 8-CHECK FOR OPEN CIRCUIT.
MACHINE RUNS FOR A FEW SECONDS THEN SHUTS OFF.	1-CHECK SETTING ON SHUT DOWN TIMER (WHEN USED).	1-RESET TIME ON TIMER.
MACHINE IS NOT WASHING PROPERLY.	1-PLUGGED MANIFOLDS. 2-PUMP MOTOR KICKED OUT. 3-CHECK TEMPERATURES. 4-EMPTY DETERGENT CONTAINER. 5-LOW WATER LEVEL IN TANK. 6-CHECK MOTOR ROTATION. 7-CHECK MOTOR IMPELLER.	1-REMOVE & CLEAN UPPER & LOWER MANIFOLDS. 2-RESET OVERLOAD ON MOTOR. 3-ADJUST TEMPERATURES. 4-REPLACE CONTAINER. 5-ADJUST FILL FLOAT SWITCH. 6-CHANGE MOTOR ROTATION. 7-REPLACE IF NECESSARY.
MACHINE IS NOT RINSING PROPERLY.	1-PLUGGED FINAL RINSE SPRAYERS. 2-UPPER & LOWER FINAL RINSE PIPE OUT OF ALIGNMENT. 3-DEFECTIVE FINAL RINSE VALVE. 4-LOW FINAL RINSE PRESSURE.	1-REMOVE & CLEAN. 2-ADJUST UPPER & LOWER SPRAY PATTERN. 3-CHECK & REPLACE IF NECESSARY. 4-ADJUST FINAL RINSE PRESSURE BETWEEN 15 TO 20 LBS FLOW.

SCT/SC TROUBLE SHOOTING

PROBLEM	LOOK FOR	CORRECTION
MACHINE IS NOT RINSING PROPERLY.	5-CHECK FINAL RINSE TEMPERATURE. 6-CHECK FINAL RINSE LEVER & REED SWITCH. 7-EMPTY RINSE-DRY CONTAINER.	5-ADJUST BOOSTER THERMOSTAT, CHECK INCOMING WATER TEMP. TO BOOSTER FIRST. 6-ADJUST LEVER & REED SWITCH IF NECESSARY. 7-REPLACE CONTAINER.
MACHINE WILL NOT COME UP TO TEMPERATURE. (ELECTRIC TANK HEAT)	1-TRIPPED CIRCUIT BREAKER. 2-TANK HEAT SWITCH. 3-BLOWN FUSE. 4-TRIPPED HIGH LIMIT. 5-CHECK LINE VOLTAGE. 6-CHECK AMPERAGE. 7-LIME BUILD UP ON ELEMENTS. 8-THERMOSTAT OUT OF ADJUSTMENT, CHECK TEMPERATURE GAUGE. 9-VENT DAMPERS INCORRECTLY SET 10-IMPELLER MAY BE DEFECTIVE.	1-RESET CIRCUIT BREAKER. 2-CHECK TO INSURE TANK HEAT SWITCH IS ON. 3-TEST FUSES ON TANK HEAT CONTACTORS. 4-RESET HIGH LIMIT. 5-CHECK LINE VOLTAGE WITH VOLTMETER. 6-CHECK ELEMENTS FOR PROPER AMPERAGE DRAW. 7-DELIME TANKS. 8-ADJUST THERMOSTAT, REPLACE IF NECESSARY, REPLACE GAUGE. 9-ADJUST DAMPERS. 10-REPLACE IF NEEDED.
MACHINE WILL NOT COME UP TO TEMPERATURE. (STEAM TANK HEAT)	1-STEAM SUPPLY VALVE CLOSED. 2-STEAM RETURN VALVE CLOSED. 3-DEFECTIVE STEAM VALVE. 4-DEFECTIVE STEAM TRAP. 5-LOW STEAM PRESSURE. 6-THERMOSTATS OUT OF ADJUSTMENT. 7-LIME BUILD UP ON COILS. 8-FILL VALVE STAYING OPEN. 9-VENT DAMPERS INCORRECTLY SET 10-IMPELLER MAY BE DEFECTIVE.	1-OPEN STEAM SUPPLY VALVE. 2-OPEN STEAM RETURN VALVE. 3-CHECK FOR PROPER OPERATION. 4-CHECK FOR PROPER OPERATION. 5-15 TO 40 LBS PRESSURE. 6-ADJUST THERMOSTATS, REPLACE IF NECESSARY. 7-DELIME TANKS. 8-CHECK FILL VALVE & AUTO FILL FLOAT SWITCH. 9-ADJUST DAMPERS. 10-REPLACE IF NEEDED.
FINAL RINSE WILL NOT COME UP TO TEMPERATURE.	1-STEAM SUPPLY VALVE CLOSED. 2-STEAM RETURN VALVE CLOSED. 3-DEFECTIVE STEAM VALVE. 4-DEFECTIVE STEAM TRAP. 5-LOW STEAM PRESSURE. 6-THERMOSTATS OUT OF ADJUSTMENT. 7-WATER TEMPERATURE AT INLET LOW. 8-FINAL RINSE FLOW PRESSURE SET INCORRECTLY.	1-OPEN STEAM SUPPLY VALVE. 2-OPEN STEAM RETURN VALVE. 3-CHECK FOR PROPER OPERATION. 4-CHECK FOR PROPER OPERATION. 5-15 TO 40 LBS PRESSURE. 6-ADJUST THERMOSTATS, REPLACE IF NECESSARY. 7-WATER AT INLET SHOULD BE 140° F. 8-FLOW PRESSURE SHOULD BE 15 TO 20 LBS ADJUST PRV VALVE.

ELECTRICAL

THIS WAREWASHING UNIT HAS BEEN THOROUGHLY TESTED UNDER ACTUAL OPERATING CONDITIONS WITH HOT WATER, STEAM (WHEN USED), AND THE ELECTRICAL ALL WORKING PROPERLY. WHEN THE UNIT HAS BEEN REASSEMBLED PROPERLY AND ALL SYSTEMS CONNECTED, ONE OF THE MOST IMPORTANT THINGS TO REMEMBER IS THE FINAL ELECTRICAL CONNECTION, TO THE MAIN POWER SUPPLY. WHEN CONNECTING IT TO A SINGLE OR THREE PHASE SYSTEM, AND THE ELECTRICIAN TURNS ON THE EQUIPMENT FOR THE FIRST TIME, HE SHOULD CHECK TO SEE THAT THE MOTORS ARE RUNNING IN THE PROPER DIRECTION. IF NOT, THEN HE SHOULD SWITCH TWO OF THE LEADS, RE-CHECK ROTATION, SECURE CONNECTIONS MAKING SURE THEY ARE TIGHT AND INSULATED. THE VARIOUS PUMP UNITS, VALVE CIRCUITS, ETC., HAVE ALL BEEN PHASED OUT AND CHECKED OUT AT THE FACTORY AND NEED NO ATTENTION.

EACH SERVICE IS ALSO PROTECTED BY OVERLOAD DEVICES. THESE ARE ALSO LOCATED IN THE PANEL BOX AS ARE ALL THE CONTACTORS AND RELAYS. WHENEVER A PROBLEM ARISES WITH THE ELECTRICAL SYSTEM, THIS EXAMINATION SHOULD BE MADE BY A COMPETENT ELECTRICIAN.

ALWAYS REFER TO THE WIRING DIAGRAM BEFORE REMOVING OR INSTALLING, OR DOING ANY WORK ON THE ELECTRICAL SYSTEM.

SCT/SC TROUBLE SHOOTING

PROBLEM	LOOK FOR	CORRECTION
MACHINE WILL NOT FILL.	1-CLOSED WATER SUPPLY LINE. 2-PLUGGED LINE STRAINER. 3-DEFECTIVE FILL VALVE. 4-DRAIN VALVE OPEN. 5-DEFECTIVE FILL RELAY. 6-DEFECTIVE FILL SWITCH. 7-DEFECTIVE FLOAT SWITCH CHECK FLOAT FOR LEAKS CHECK MAGNET & MICRO-SWITCH ADJUSTMENTS.	1-OPEN SUPPLY LINE. 2-REMOVE & CLEAN SCREEN. 3-CHECK OPERATION OF VALVE, REPLACE IF NECESSARY. 4-CHECK SEAT FOR FOOD PARTICLES, "O" RING BROKEN OR OUT OF PLACE. 5-CHECK TO INSURE RELAY IS ENERGIZING WHEN FILL SWITCH IS PUSHED INWARD. 6-CHECK CONTACT BLOCKS ON FILL SWITCH TO INSURE THEY ARE CLOSING. 7-CHECK OPERATION OF FLOAT SWITCH ADJUST AS NEEDED.
MACHINE WILL NOT HOLD WATER.	1-FOOD PARTICLES HOLDING DRAIN VALVE FROM SEATING. 2-DRAIN NOT CLOSING. 3-WATER TRANSFER BETWEEN TANKS. 4-DEFECTIVE DRAIN O-RING.	1-CHECK DRAIN VALVE SEAT. 2-ADJUST DRAIN LINKAGE BETWEEN DRAIN VALVE BODY & DRAIN HANDLE. 3-CHECK MANIFOLD SETTINGS & ADJUST INTER MIX & MANIFOLDS. 4-REPLACE "O" RING.
MACHINE OVERFILLS.	1-DEFECTIVE FLOAT SWITCH. 2-DEFECTIVE FILL VALVE, FOREIGN PARTICLES ON VALVE SEAT. 3-COLD WATER AQUASTAT VALVE OPEN. 4-FINAL RINSE VALVE STAYING OPEN, FOREIGN PARTICLES ON VALVE SEAT.	1-CHECK FOR PROPER OPERATION, ADJUST OR REPLACE IF NECESSARY. 2-CHECK OPERATION OF VALVE, REPLACE IF NECESSARY. 3-CHECK TEMPERATURE IN SCRAPER TANK. 4-CHECK FINAL RINSE VALVE AND FINAL RINSE LEVER FOR PROPER OPERATION.
MACHINE WILL NOT START.	1-TRIPPED CIRCUIT BREAKER. 2-SAFETY SWITCH (WHEN USED). 3-BLOWN CONTROL FUSE (WHEN USED). 4-DEFECTIVE DOOR SAFETY SWITCH. 5-DEFECTIVE DOOR SAFETY SWITCH CONTROL RELAY. 6-DEFECTIVE START SWITCH.	1-RESET CIRCUIT BREAKER. 2-TURN SWITCH TO "ON" POSITION. 3-TEST FUSE REPLACE IF BLOWN. 4-CHECK DOOR SWITCHES. 5-CHECK TO INSURE CONTROL RELAY IS ENERGIZING WHEN DOORS ARE CLOSED. 6-CHECK START SWITCH OPERATION.

PUMP MAINTENANCE

UNDER THIS SECTION, WE ARE CONCERNED WITH THE CENTRIFUGAL PUMP. AFTER A CERTAIN LENGTH OF TIME, SOMETIMES MANY YEARS, IT MAY BE NECESSARY TO REPLACE A PUMP SEAL. THESE ARE CERAMIC SEALS. PROCEED AS FOLLOWS:

- 1 — THE PUMP UNIT IS HELD ON TO THE PUMP HOUSING BY FOUR HEX NUTS. REMOVE THE HEX NUTS. THE PUMP UNIT SHOULD NOW COME OFF.
- 2 — REMOVE THE CAP SCREW IN THE END OF THE IMPELLAR SHAFT. IF THE UNIT HAS BEEN IN USE FOR A LONG TIME, IT MAY BE NECESSARY TO USE A PULLER. THIS EXPOSES THE SEAL. IT IS NOT NECESSARY TO TAKE THE MOTOR APART TO REMOVE THE SEAL.
- 3 — WORK THE ENTIRE SEAL RING OUT WITH A SCREW DRIVER, AND CLEAN THE SEAL HOUSING THOROUGHLY.
- 4 — REINSTALL THE NEW SEAL IN THE SAME WAY AS THE OLD ONE WAS REMOVED. (IF NECESSARY, REFER TO EXPLODED VIEW IN THE MOTOR SECTION OF THIS MANUAL.)
- 5 — AFTER THE SEAL IS PROPERLY INSTALLED IN THE HOUSING;
 - A—REMOUNT IMPELLAR ON SHAFT.
 - B—CLEAN MOUNTING SURFACE OF THE PUMP HOUSING AND THE END BELL.
 - C—REMOVE THE OLD GASKET, IF DAMAGED.
 - D—INSTALL A NEW GASKET.
 - E—REMOUNT THE MOTOR AND PUMP HOUSING.
 - F—TIGHTEN ALL FOUR HEX NUTS EVENLY AND SECURELY.
- 6 — THE UNIT IS NOW READY TO BE USED.

FINAL RINSE BOOSTER

THE FINAL RINSE BOOSTER SUPPLIED WITH THE EQUIPMENT IS SIZED SO AS TO SUPPLY 180° F. - 190° F. WATER TO THE FINAL RINSE. TO DO THIS, IT SHOULD HAVE AN INCOMING WATER SUPPLY OF 140° F. AND 20 TO 25 POUNDS OF FLOW PRESSURE. IF THE BOOSTER IS STEAM HEATED IT SHOULD ALSO HAVE AN ADEQUATE STEAM SUPPLY OF 15 TO 40 PSI. WATER AND STEAM LINES TO THE BOOSTER SHOULD BE SIZED AS CALLED FOR IN THE DRAWINGS OR SPECIFICATIONS. THE ELECTRICAL POWER SUPPLY TO THE BOOSTER SHOULD BE OF THE REQUIRED VOLTAGE AND PHASING AS CALLED FOR IN THE DRAWINGS OR SPECIFICATIONS.

THE TEMPERATURE IN THE FINAL RINSE IS CONTROLLED BY A FENWALL THERMOSWITCH UNIT. IF IT BECOMES NECESSARY TO ADJUST THE FINAL RINSE TEMPERATURE, REFER TO THE BOOSTER SECTION FOR THE THERMOSTATE LOCATION. THE TANK HEAT IN THE POWER WASH AND POWER RINSE TANK IS ALSO CONTROLLED BY A THERMOSWITCH. IF IT BECOMES NECESSARY TO ADJUST THESE TEMPERATURES, TURN THE ADJUSTMENT SCREW CLOCKWISE TO INCREASE TEMPERATURES, COUNTER CLOCKWISE TO DECREASE TEMPERATURES. TURN THE ADJUSTMENT SCREW 1/4 TURN AND RECHECK TEMPERATURES, OVER ADJUSTMENT MAY DAMAGE THE THERMOSTAT.

DAILY MAINTENANCE

CLEANLINESS IS ONE OF THE MOST IMPORTANT THINGS IN ANY DISHROOM. CLEAN EQUIPMENT PREVENTS REPAIR PROBLEMS, AND MOST IMPORTANT OF ALL, GIVES YOU CLEAN, SANITARY WARE.

THIS IS BEST ACCOMPLISHED BY ESTABLISHING A DAILY PROCEDURE, AND BY SELECTING A SUPERVISOR, IF POSSIBLE, TO SEE THAT IT IS PROPERLY DONE.

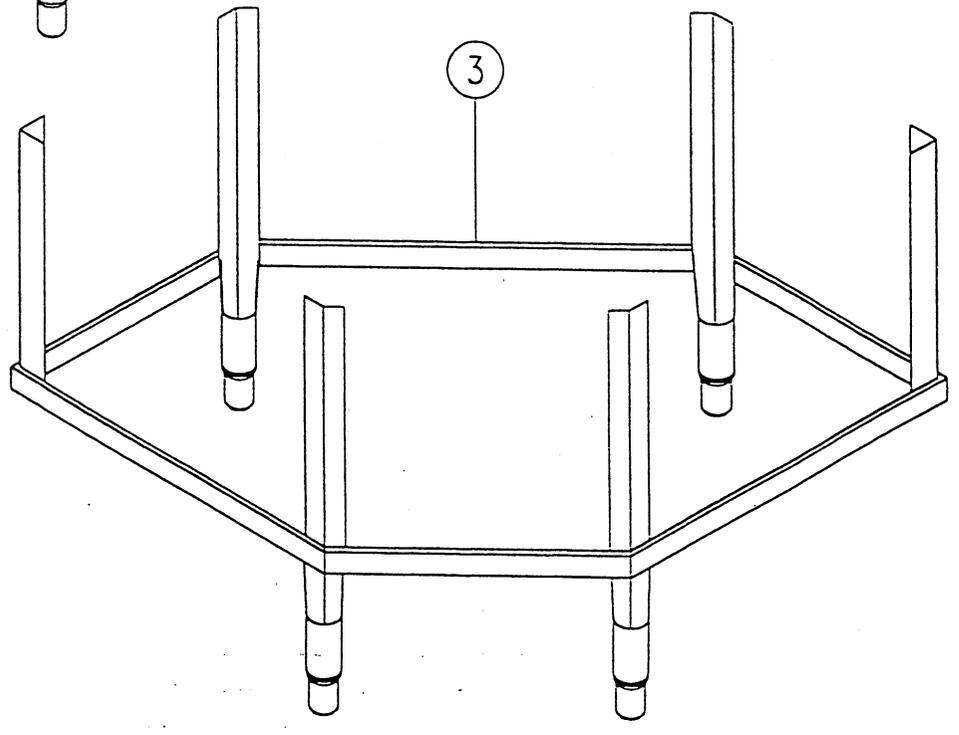
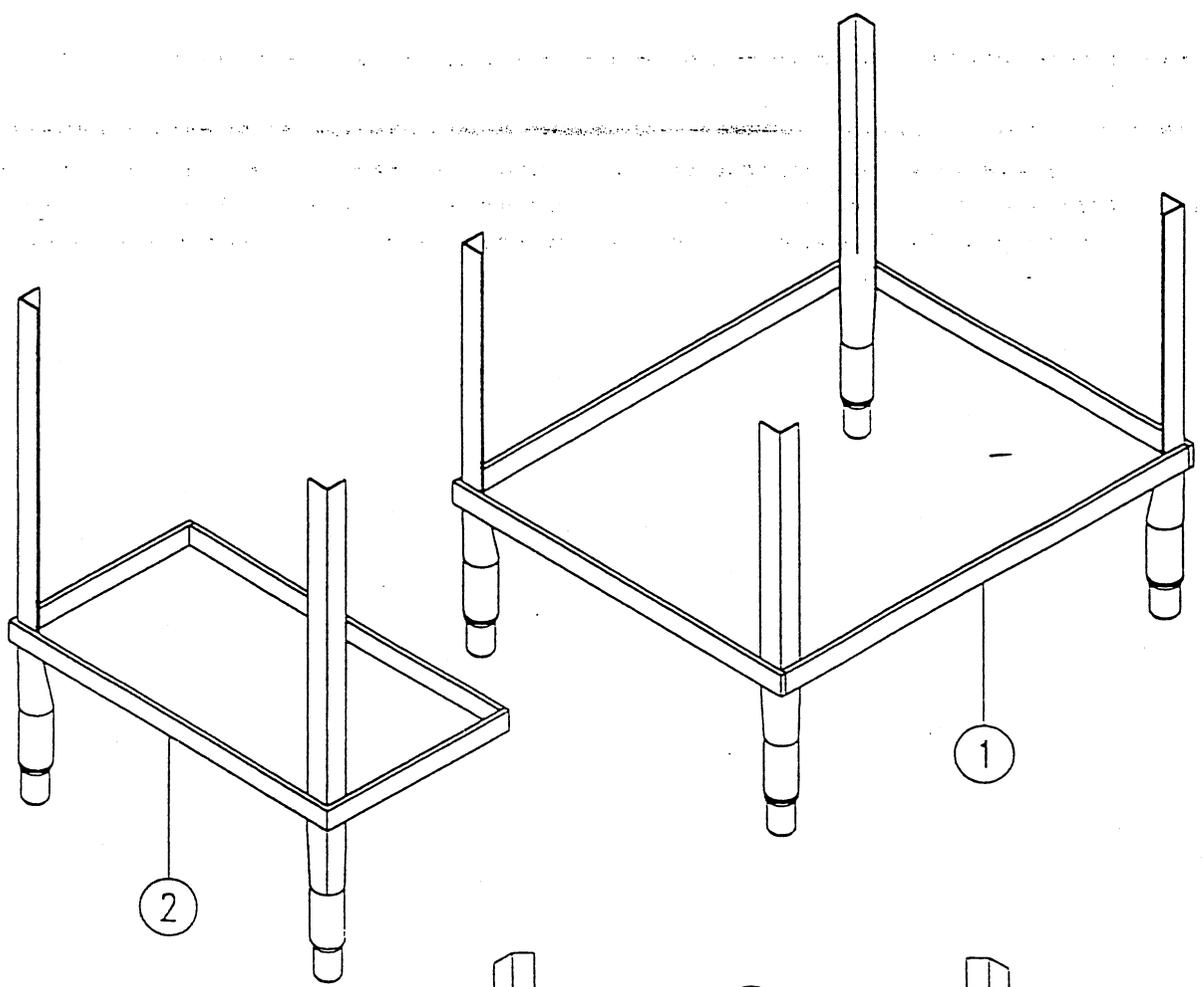
AT THE END OF EACH SHIFT OR WASHING PERIOD, THE FOLLOWING STEPS WILL INSURE PROPER RESULTS:

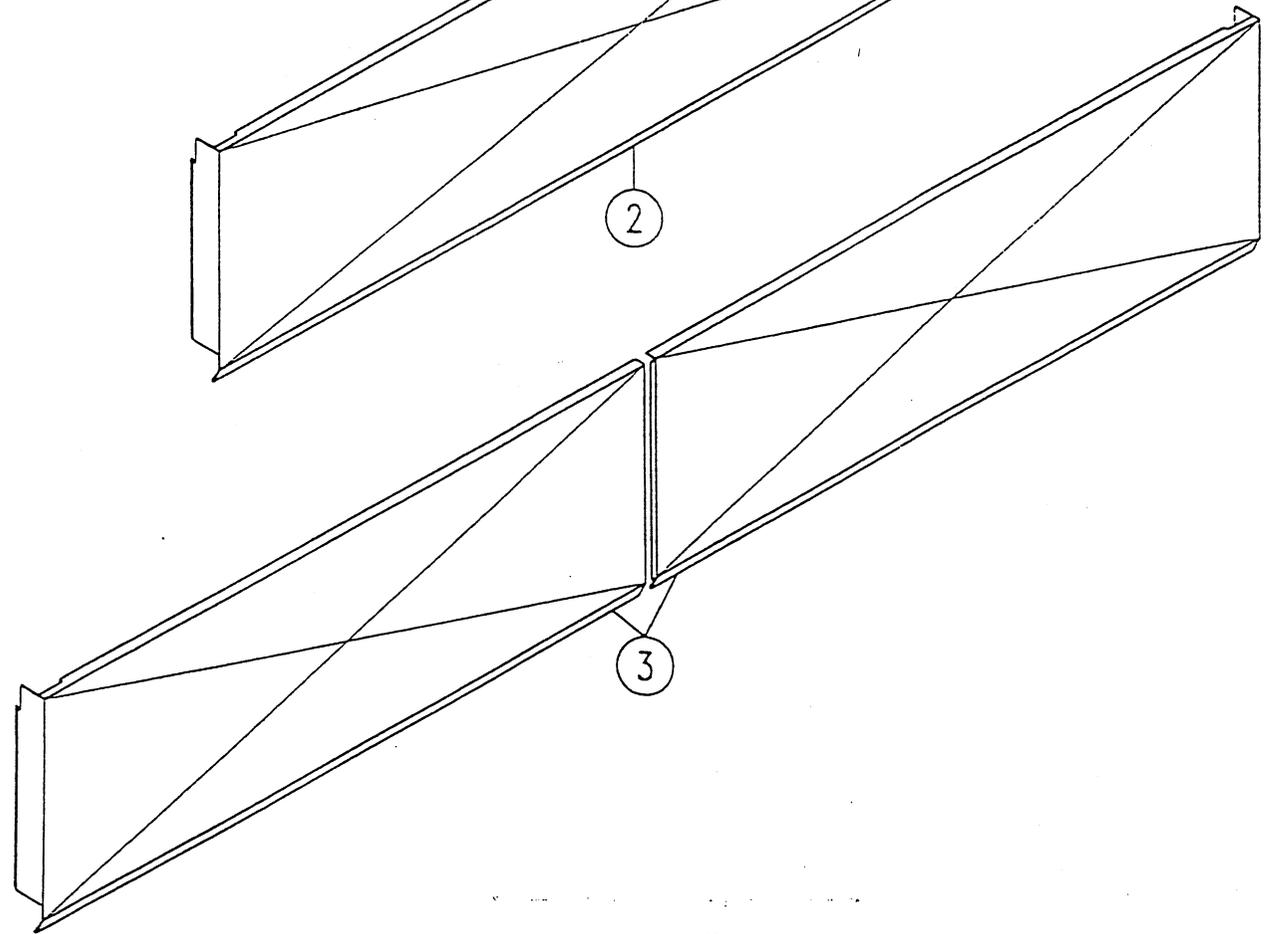
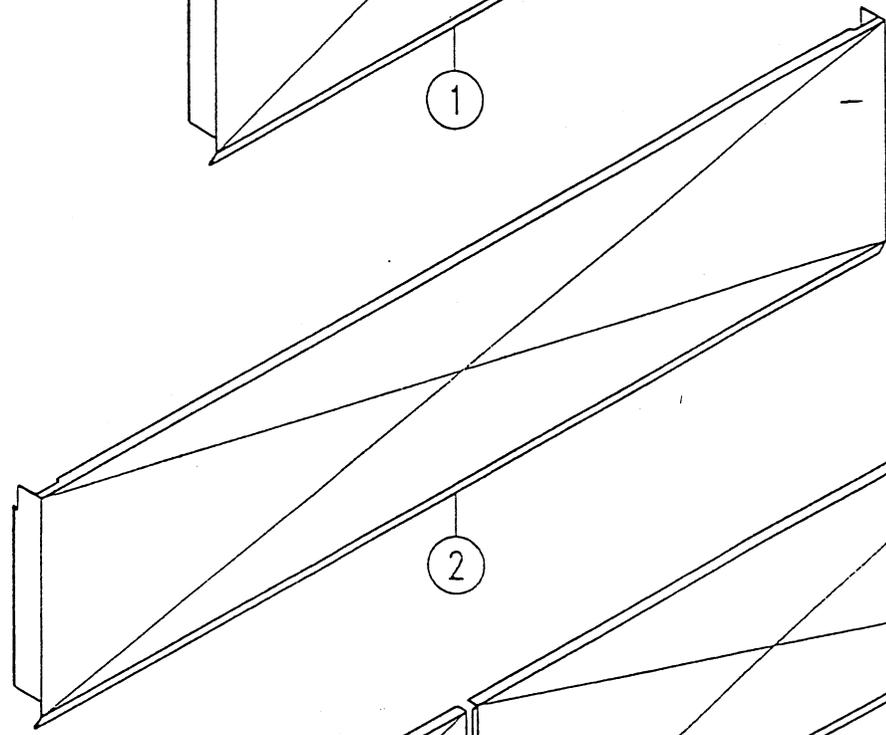
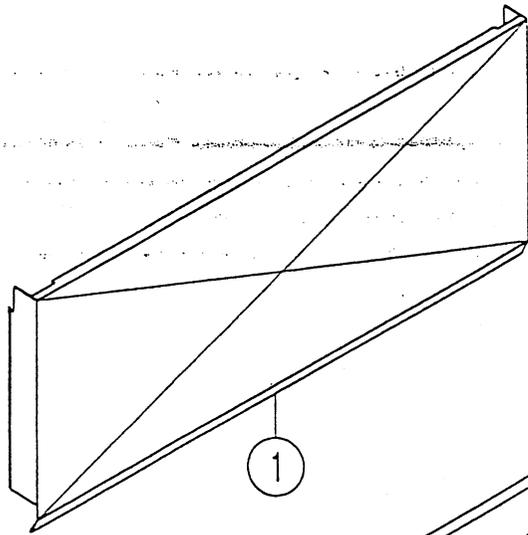
- 1 — SHUT OFF POWER TO THE MACHINE. IF THE MACHINE IS STEAM HEATED, TURN OFF STEAM SUPPLY.
- 2 — OPEN ALL DOORS AND REMOVE WASH MANIFOLDS, SCRAP SCREENS, AND CURTAINS. (IF CURTAINS ARE SOILED). THE MANIFOLD END CAPS SHOULD BE REMOVED AND THE MANIFOLDS SHOULD NOW BE CLEANED IN A SINK, OR FLUSHED OUT WITH A HOSE. IT IS NOT NECESSARY TO USE A BRUSH.
- 3 — WASH, SCRUB, AND RINSE DOWN THE INSIDE OF THE MACHINE. ALL REFUSE IN THE BOTTOM OF THE TANKS SHOULD BE FLUSHED DOWN THE DRAIN VALVES. WHEN THE TANKS ARE CLEAN, INSPECT THE DRAIN VALVES. REMOVE ANY FOREIGN MATTER THAT MIGHT REMAIN BETWEEN THE POPPET AND THE SEAT OF THE VALVE.
- 4 — CLEAN THE EXTERIOR OF THE MACHINE WITH A GOOD, ACCEPTABLE, STAINLESS STEEL CLEANER, LEMON OIL MAY BE USED.
- 5 — THE FLOOR AROUND THE BASE OF THE MACHINE AND UNDER THE TABLE SHOULD ALSO BE CLEANED TO PREVENT SOIL ACCUMULATION.
- 6 — ALL INTERIOR COMPONENTS REMOVED FROM THE MACHINE SHOULD NOW BE REINSTALLED.
- 7 — LEAVE ALL THE DOORS OPEN TO ALLOW THE INTERIOR OF THE MACHINE TO DRY.

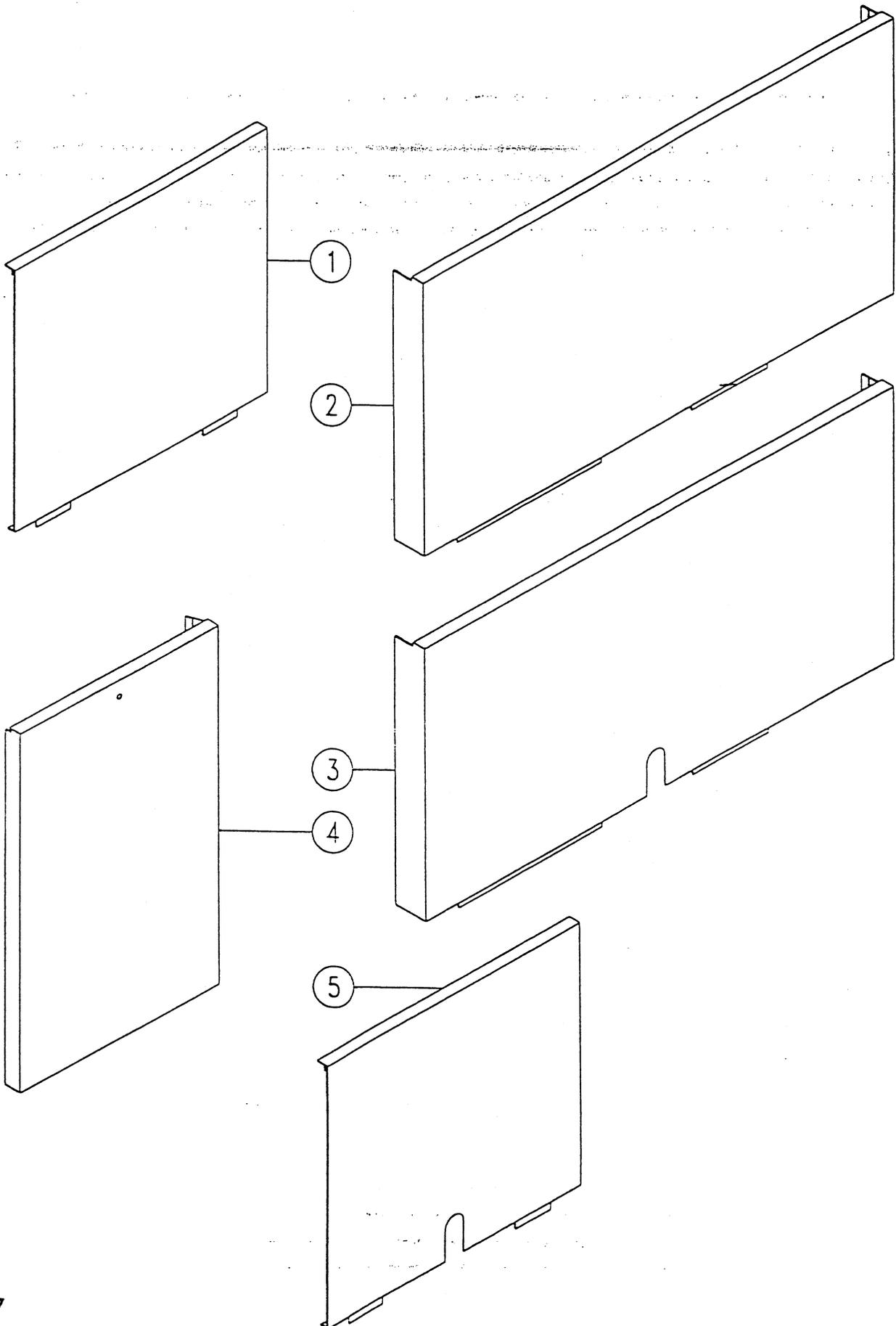
ALWAYS REMEMBER—A CLEAN MACHINE IS A WELL MAINTAINED MACHINE & YOU CAN'T GET CLEAN WARE OUT OF A DIRTY MACHINE!

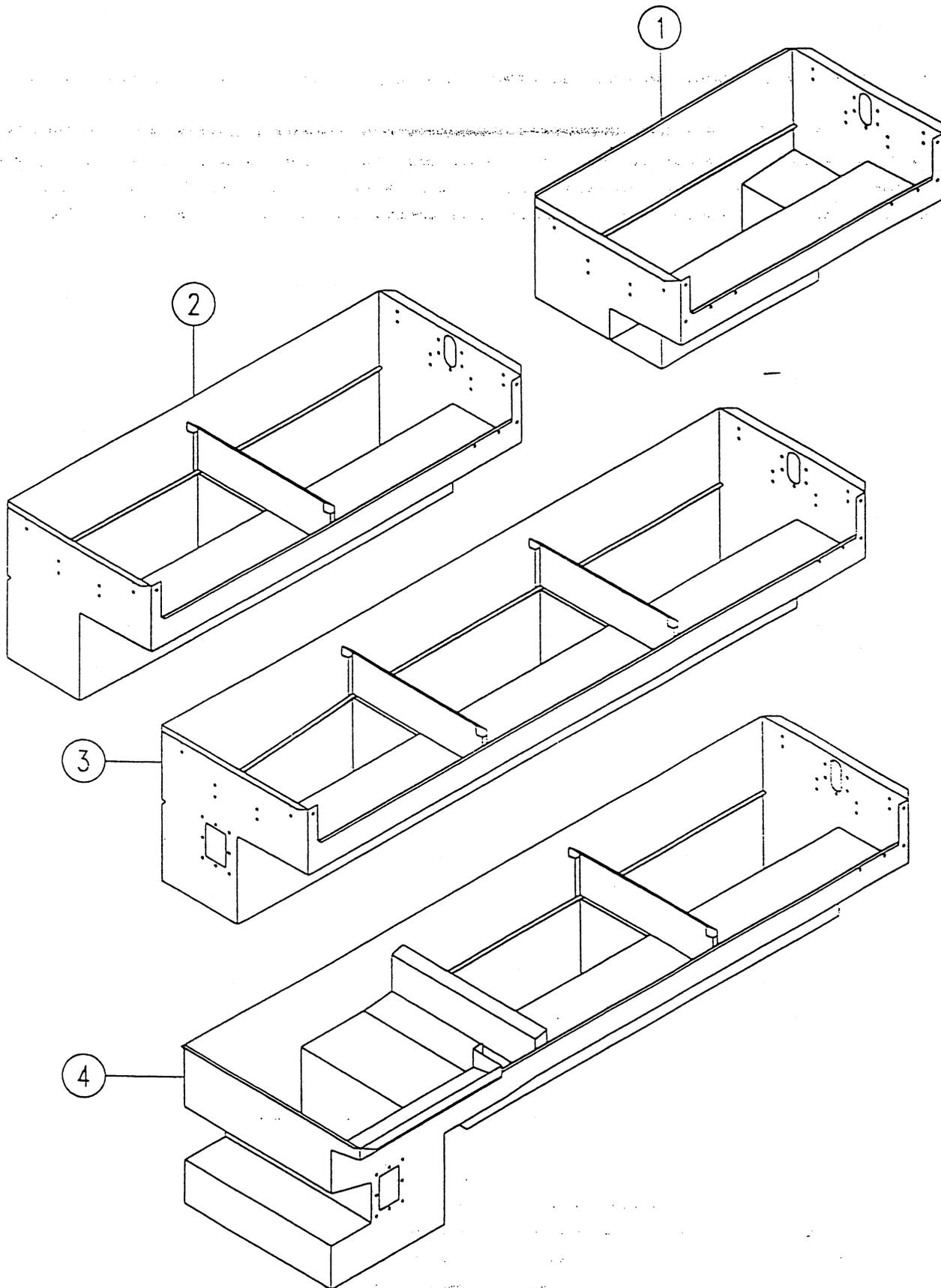
OPERATING INSTRUCTIONS SCT/SC

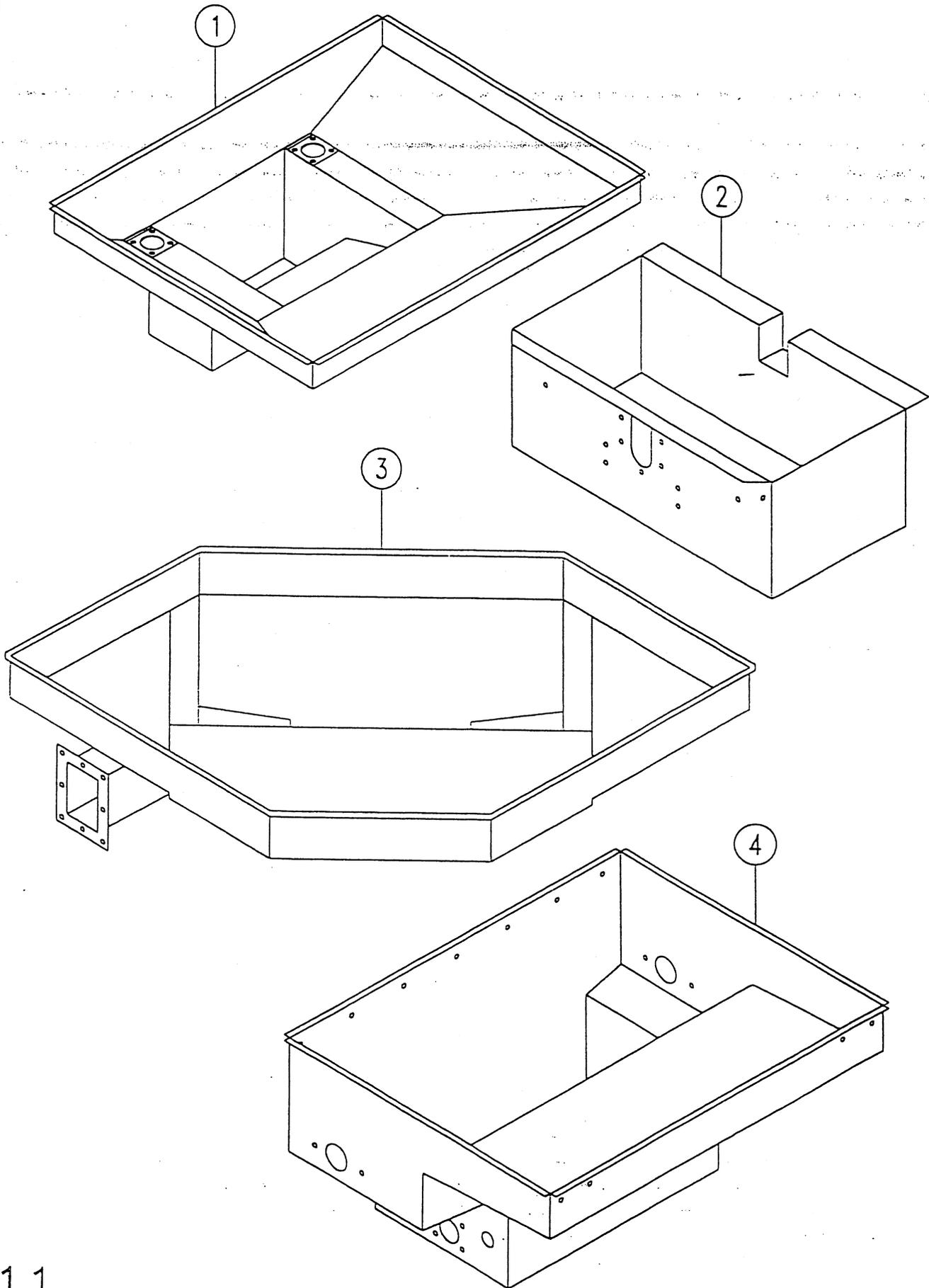
- 11- AN OPTIONAL TABLE LIMIT SWITCH WILL STOP THE CONVEYOR DRIVE AND PUMP MOTORS WHEN A DISH RACK APPROACHES THE END OF THE CLEAN DISH TABLE.
- 12- TURN THE "TANK HEAT SWITCH(ES)" OFF BEFORE DRAINING THE TANKS.
- 13- TURN "SAFETY SWITCH" OFF AT THE END OF THE OPERATING PERIOD.
- 14- CLEAN THE MACHINE IN ACCORDANCE WITH THE DAILY MAINTENANCE PROCEDURES.

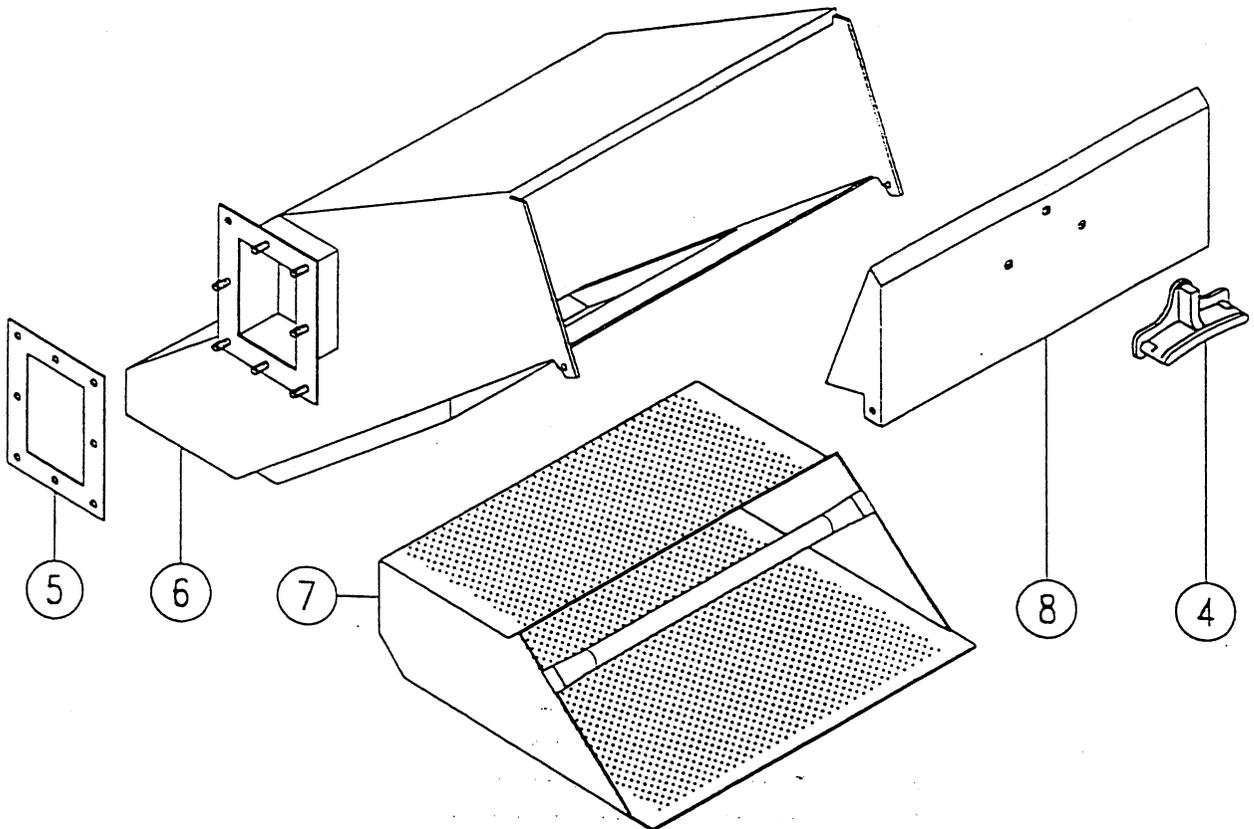
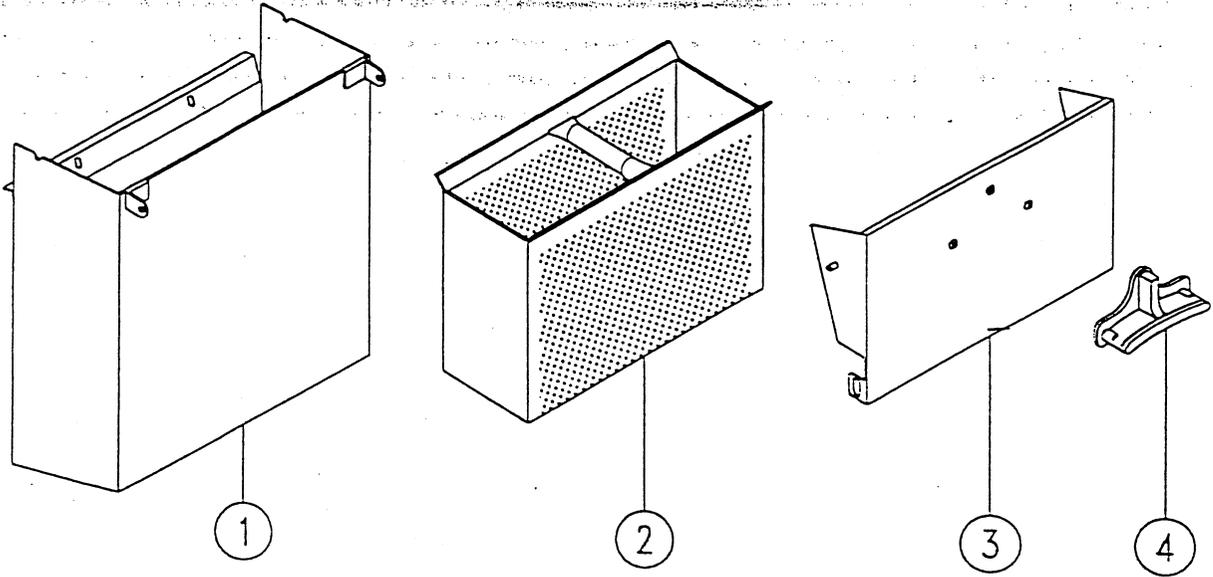


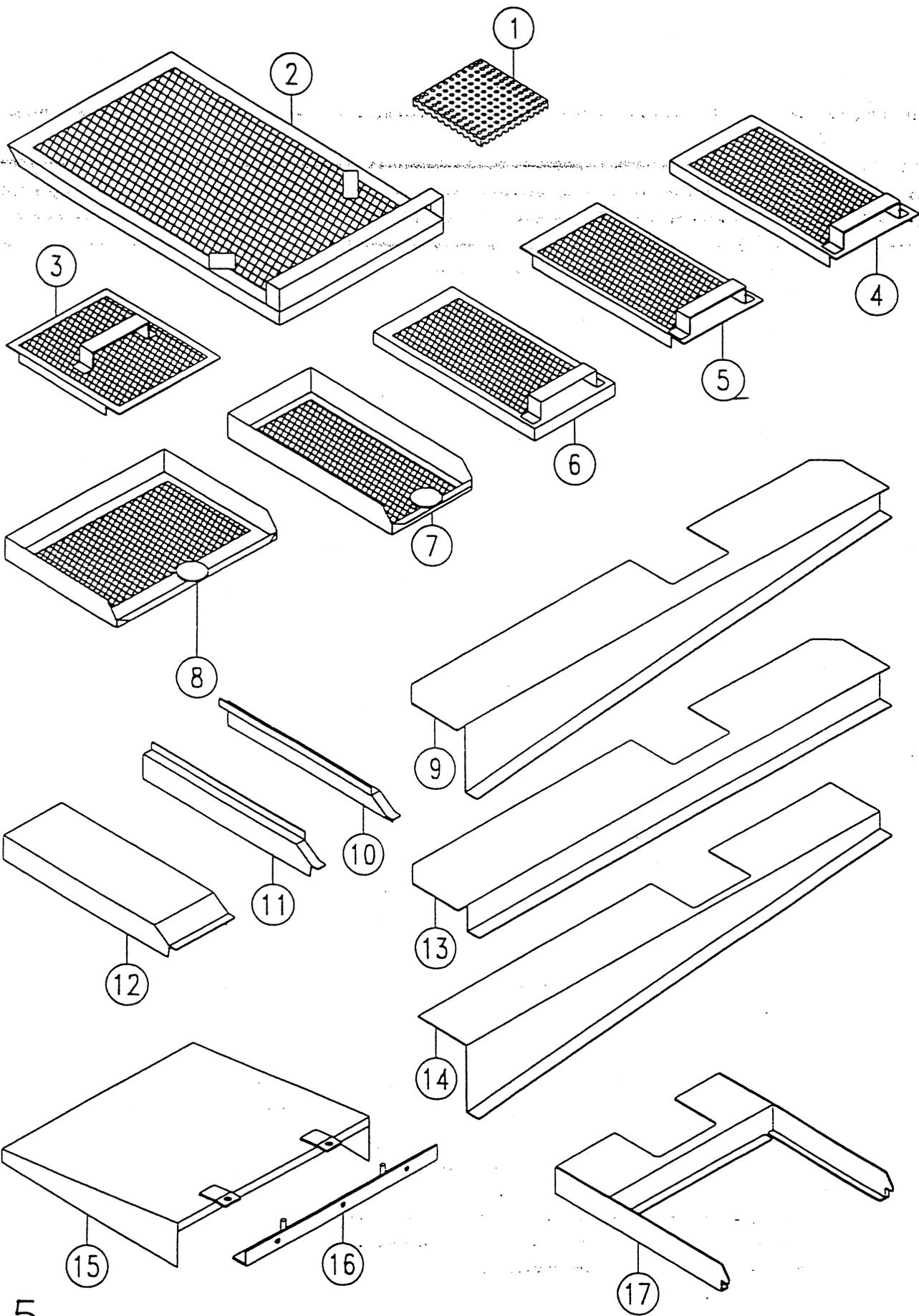


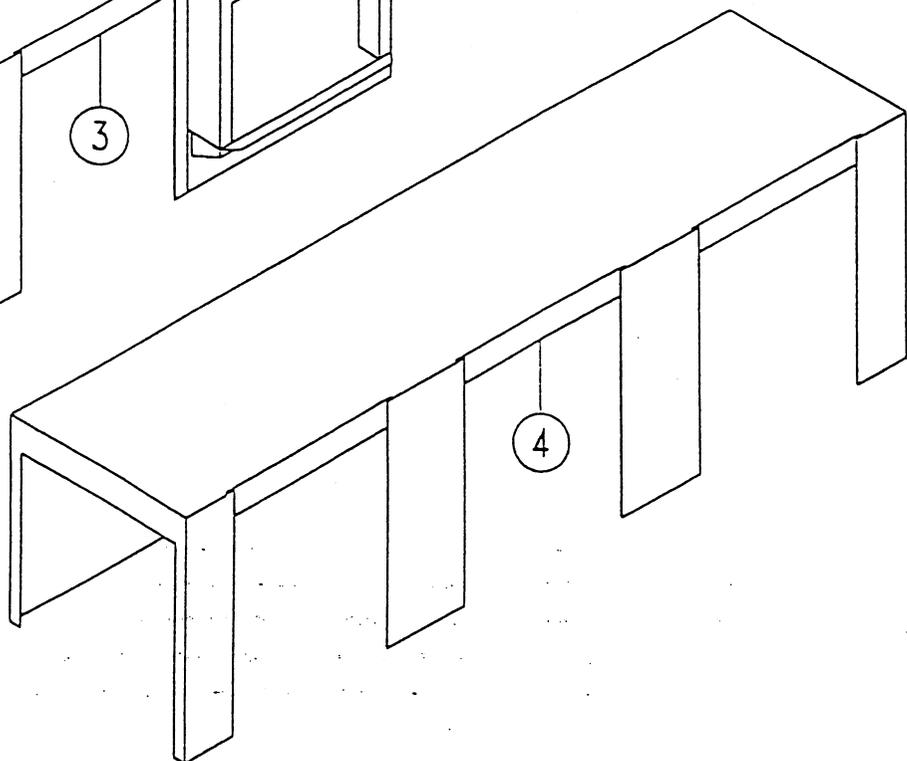
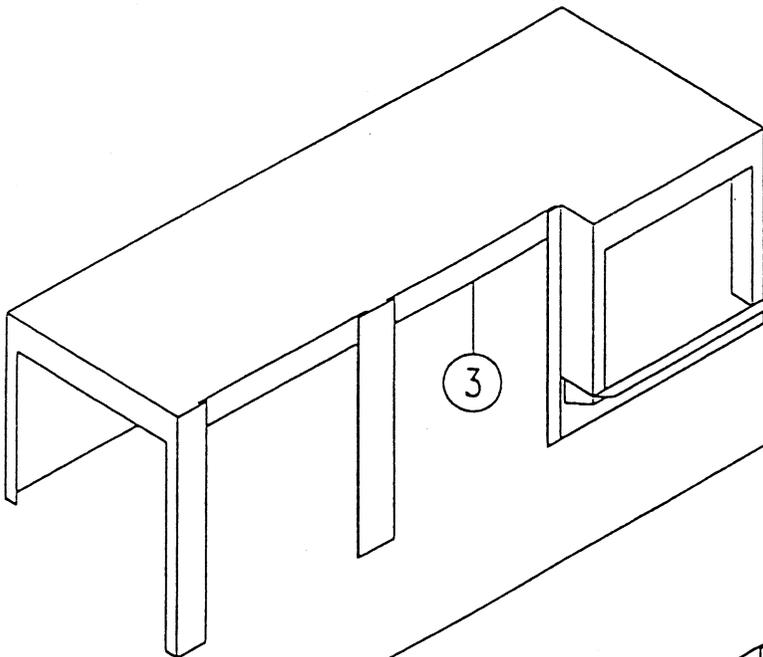
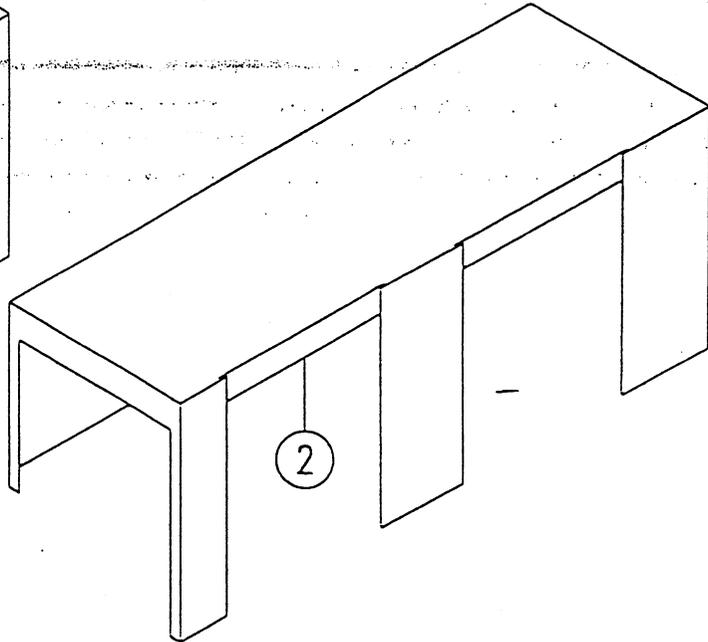
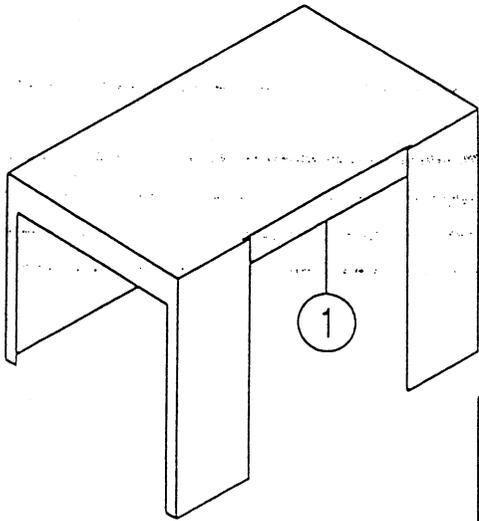


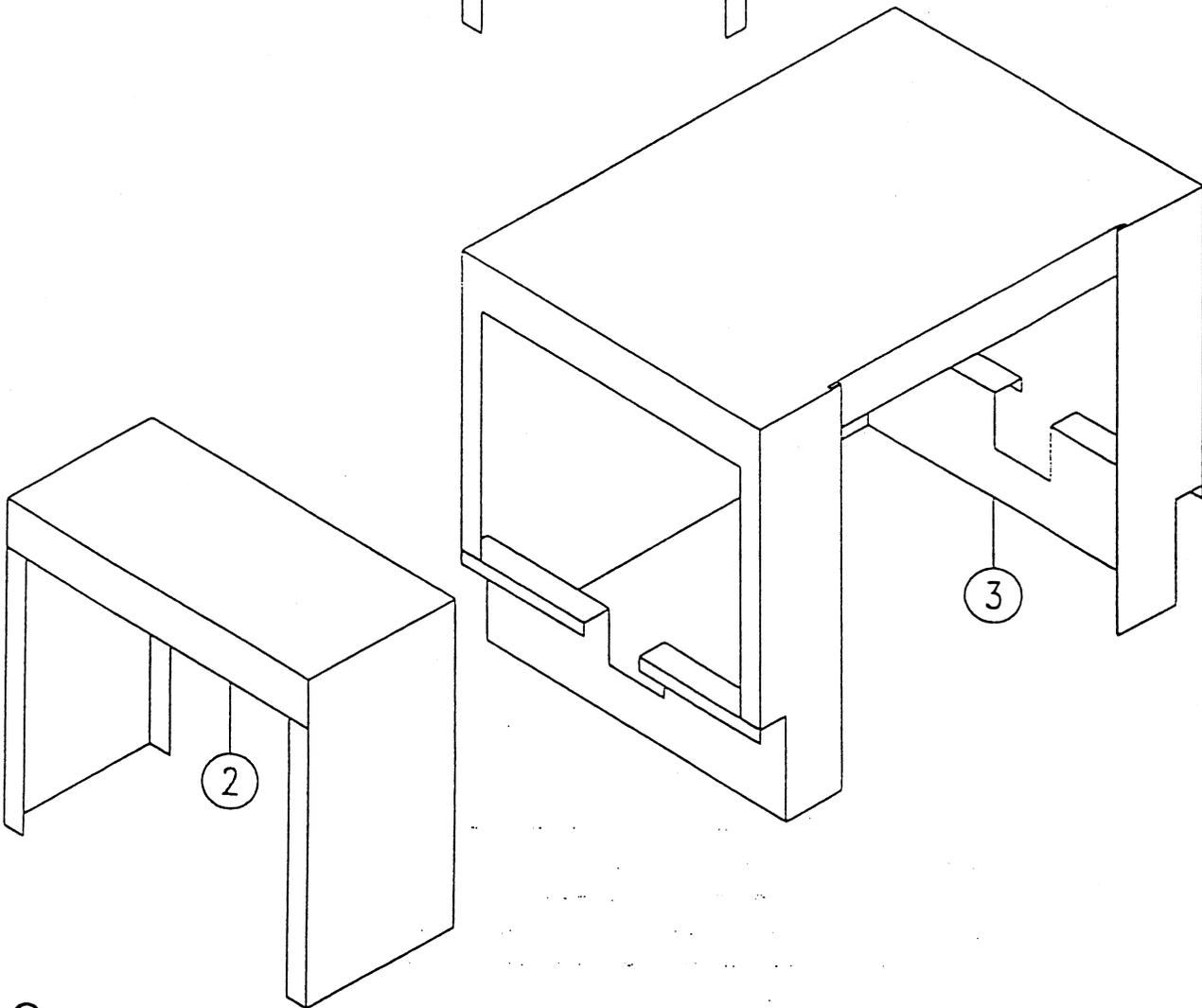
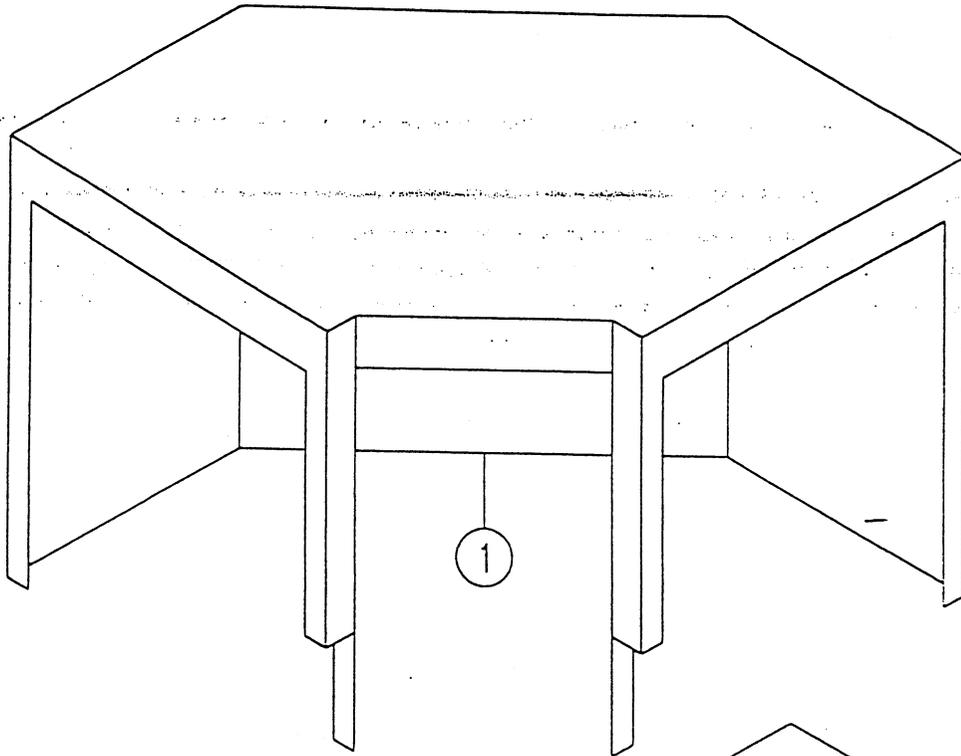






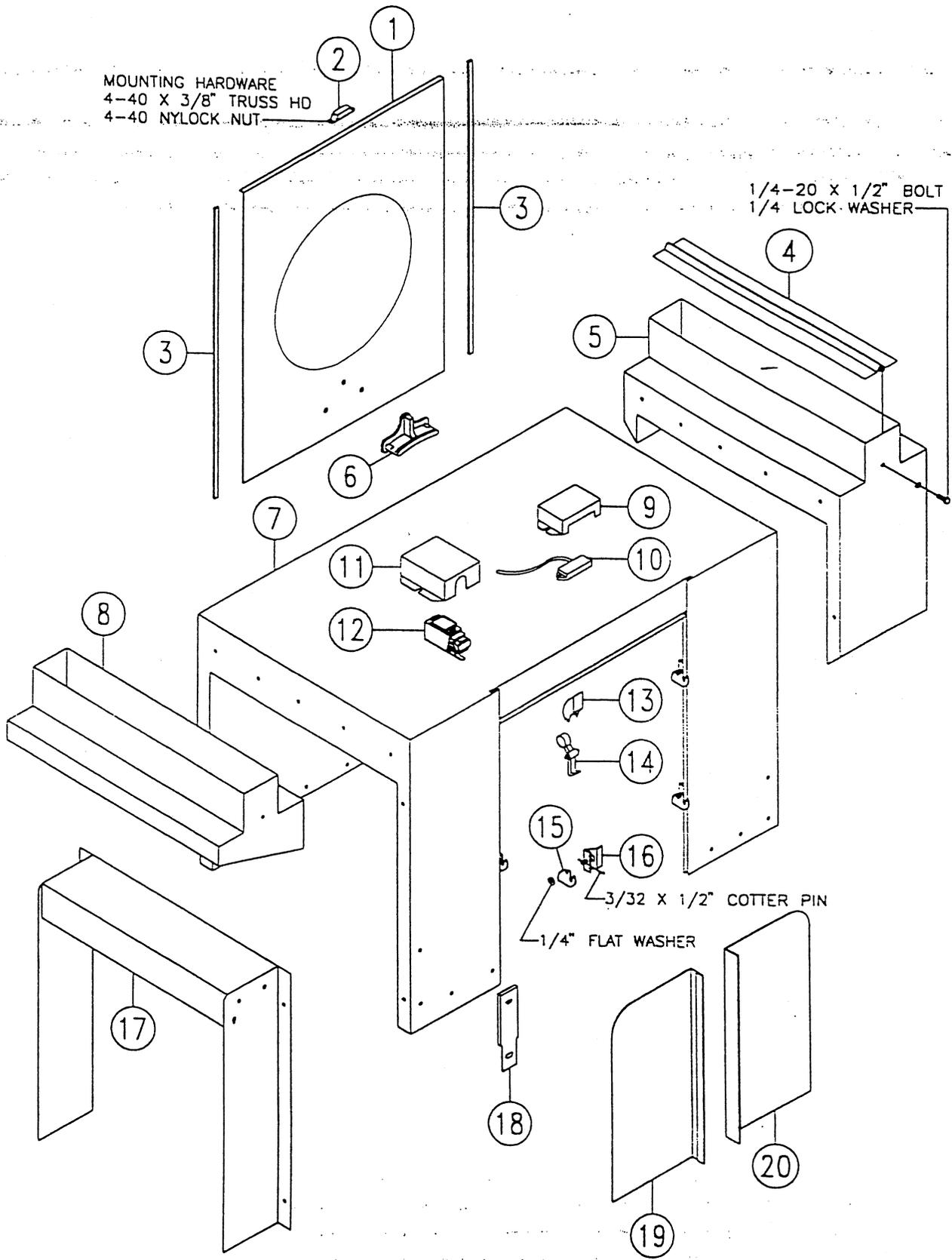


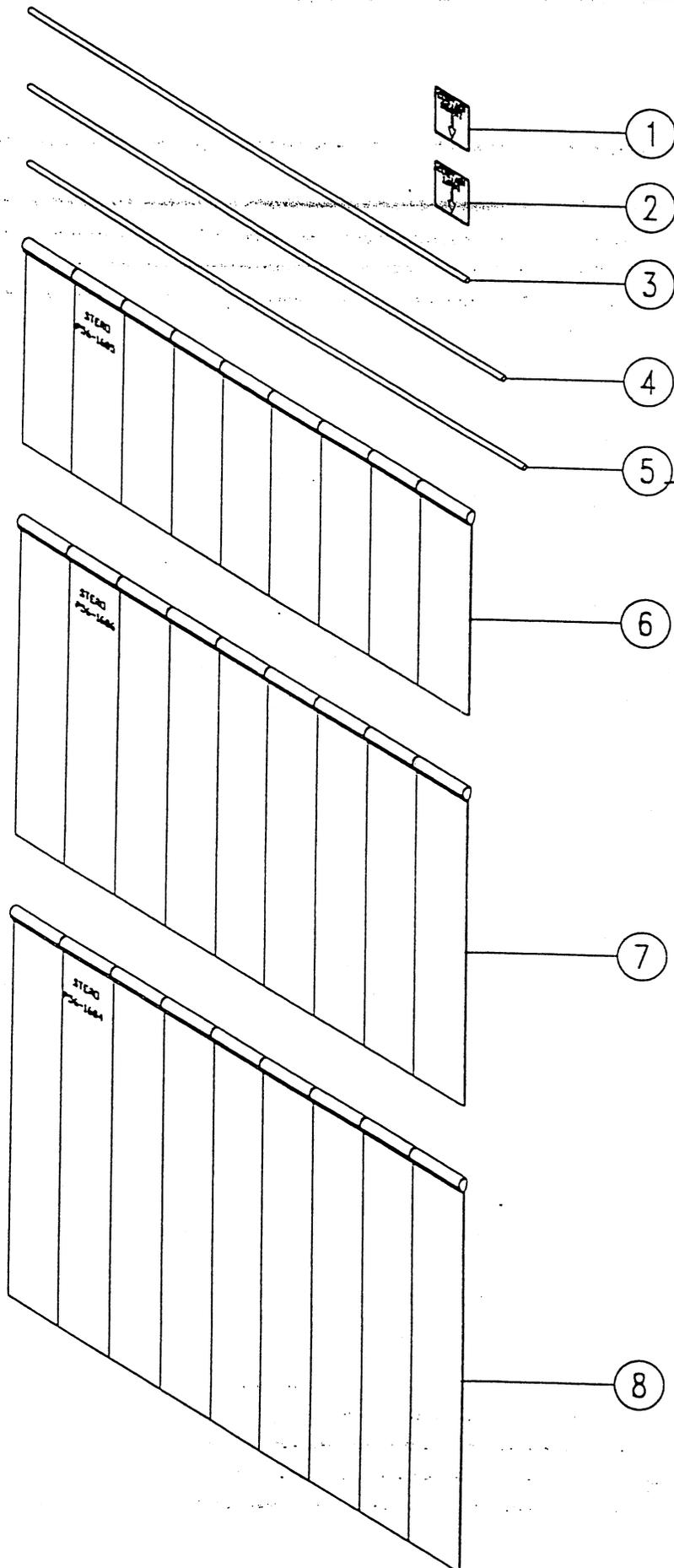


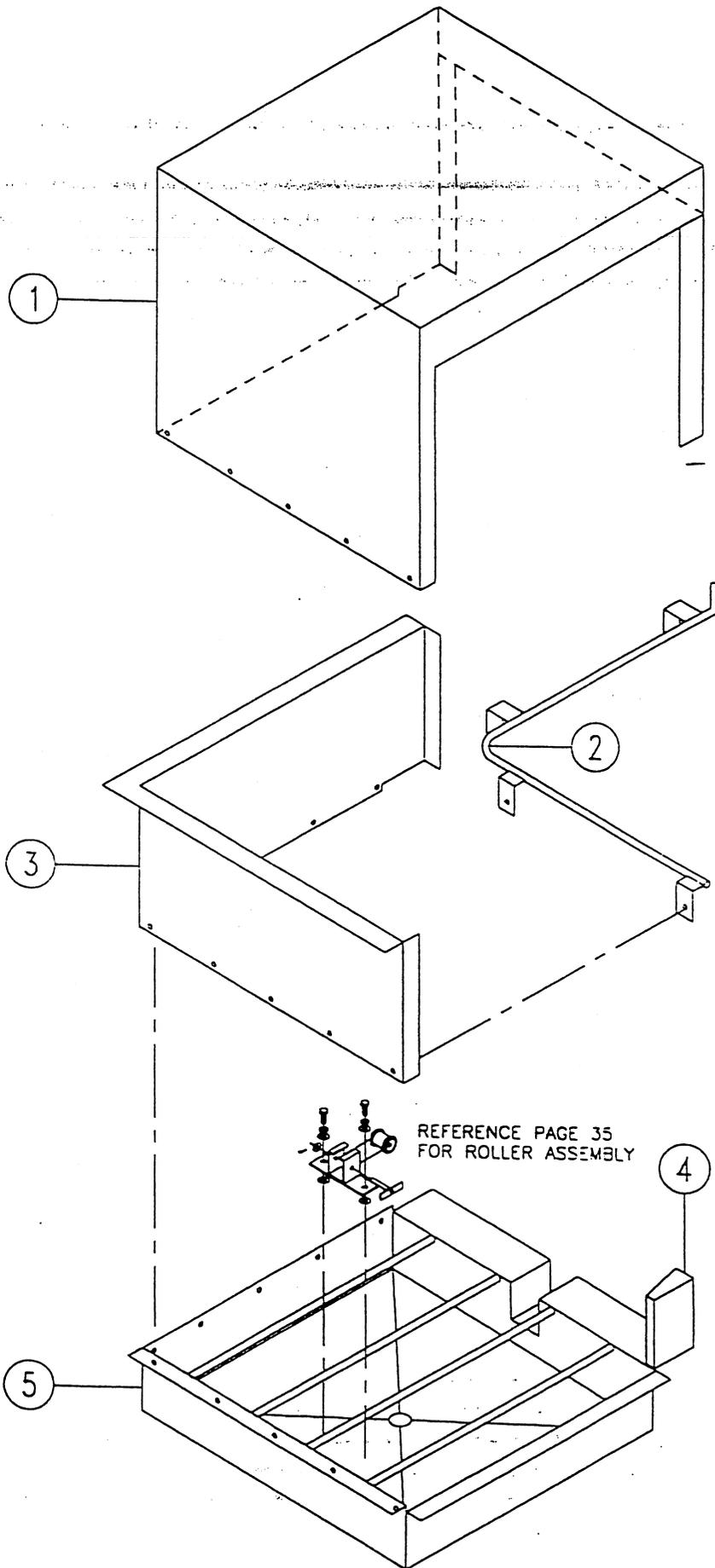


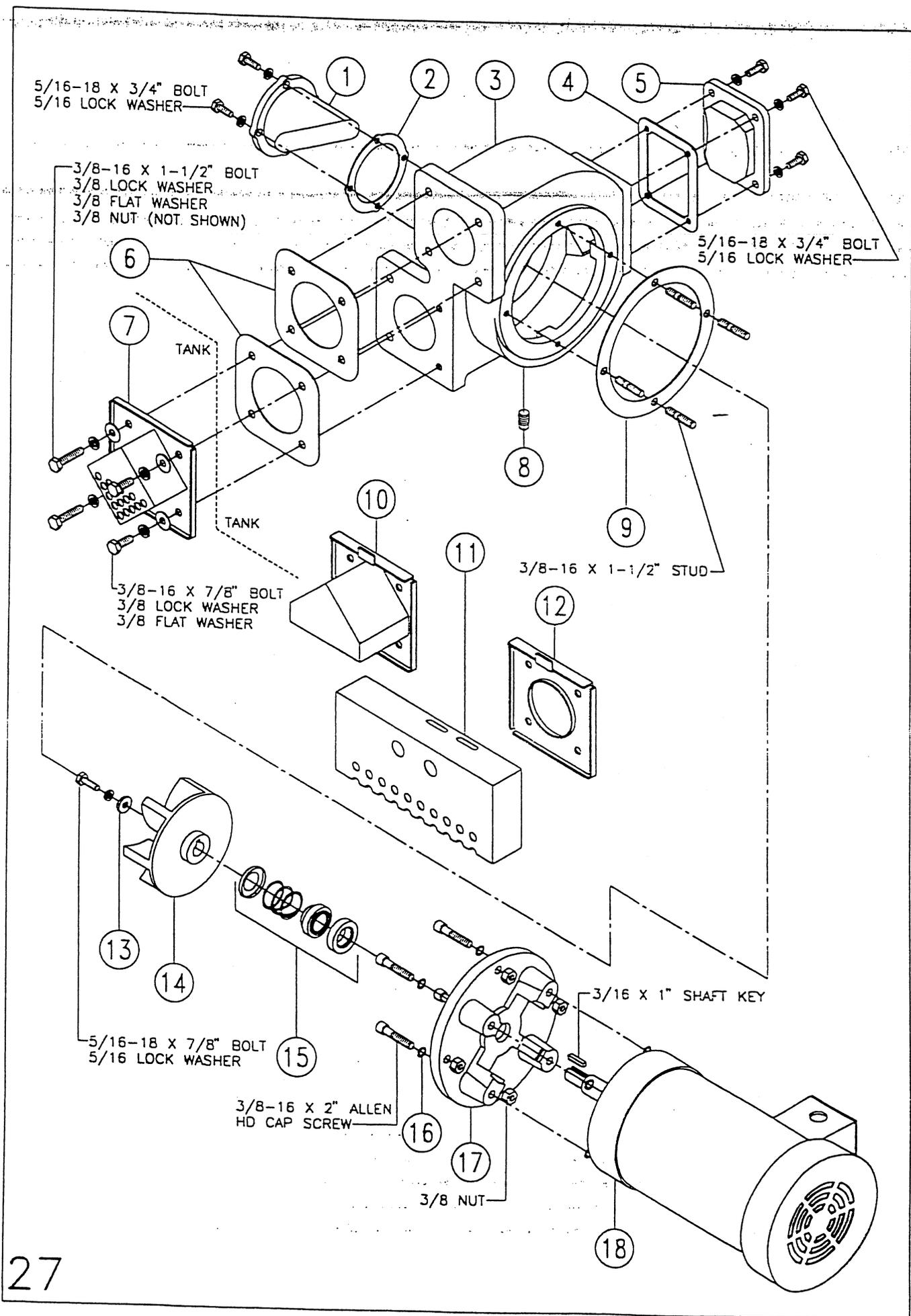
MOUNTING HARDWARE
4-40 X 3/8" TRUSS HD
4-40 NYLOCK NUT

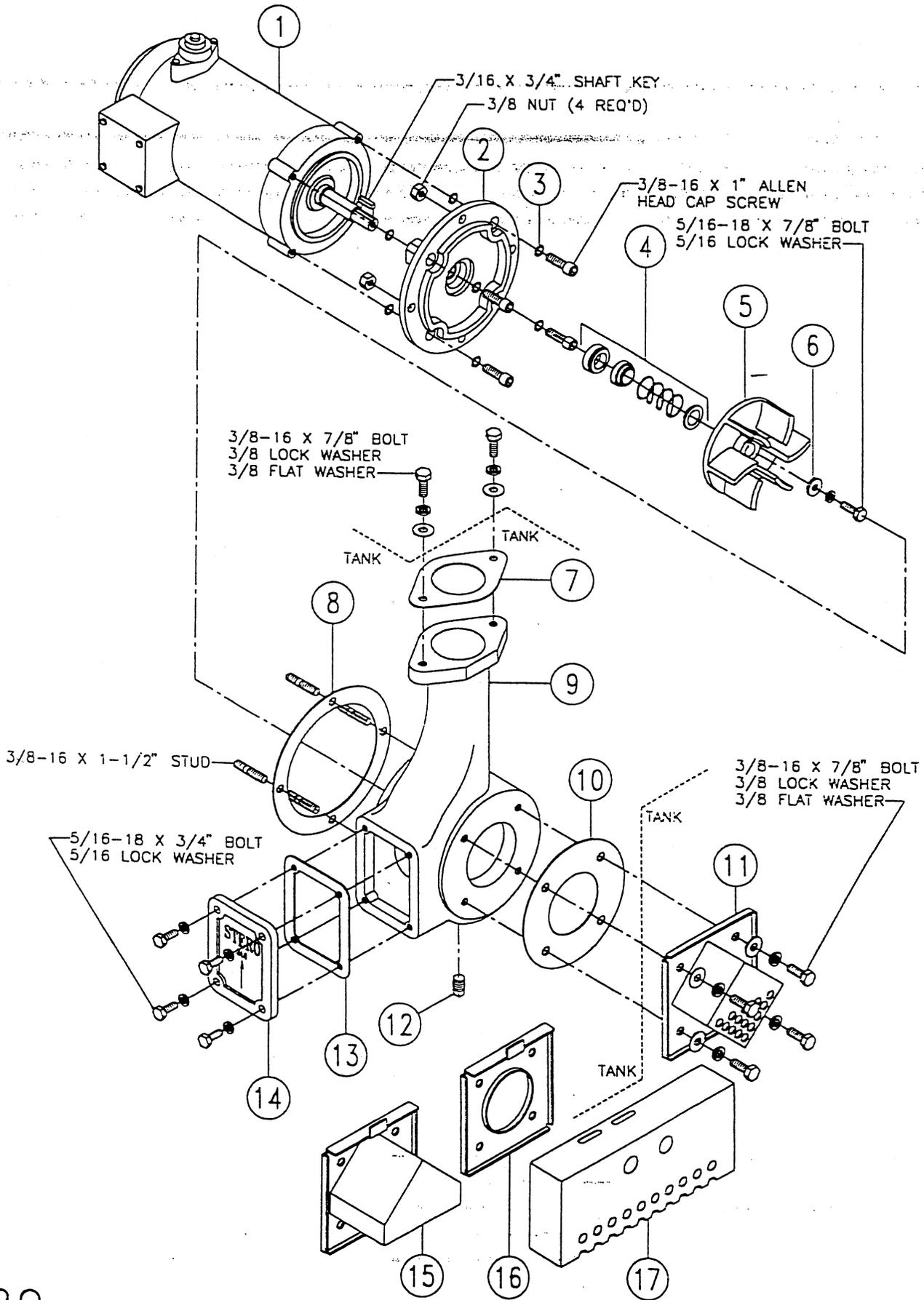
1/4-20 X 1/2" BOLT
1/4 LOCK WASHER

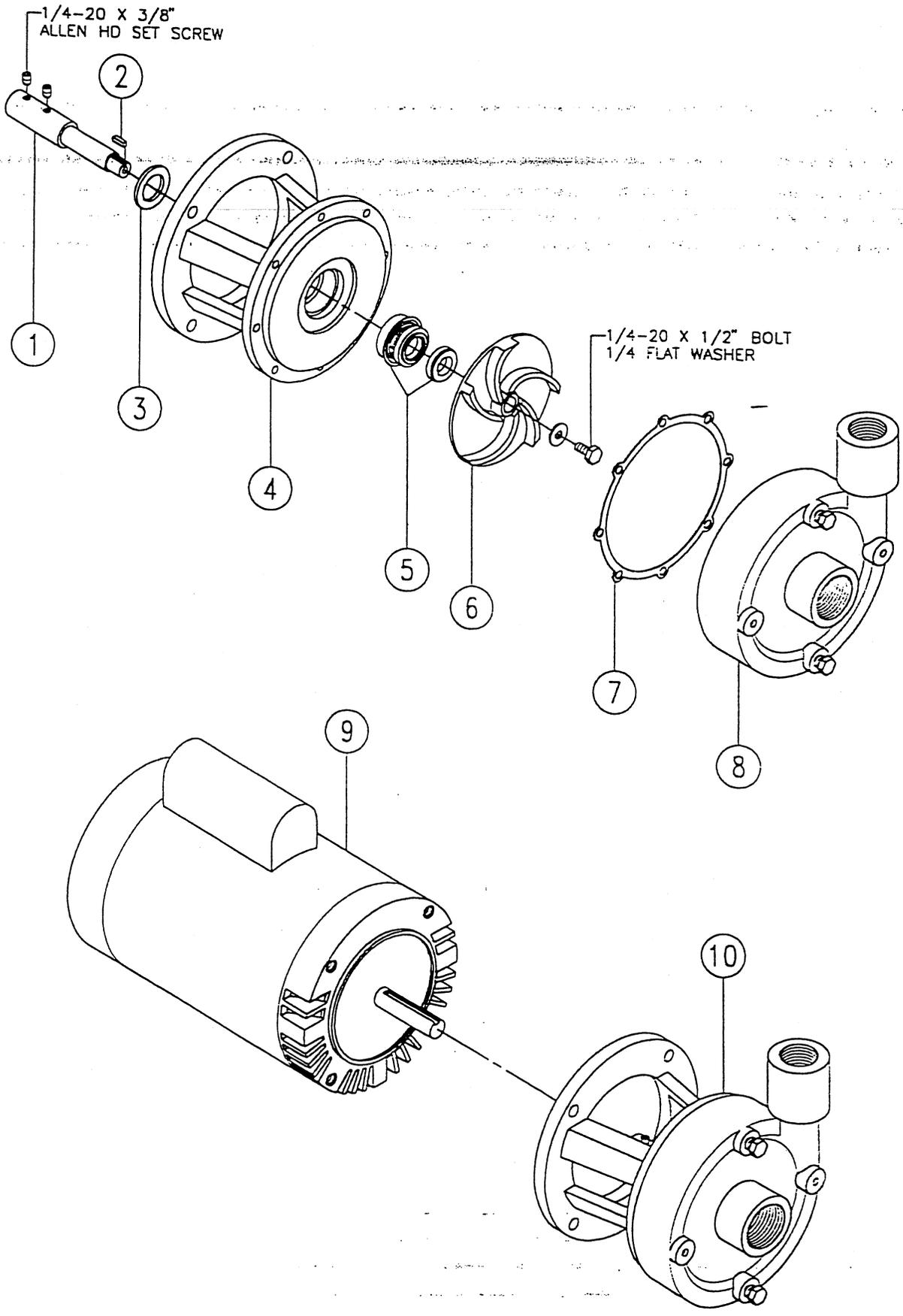


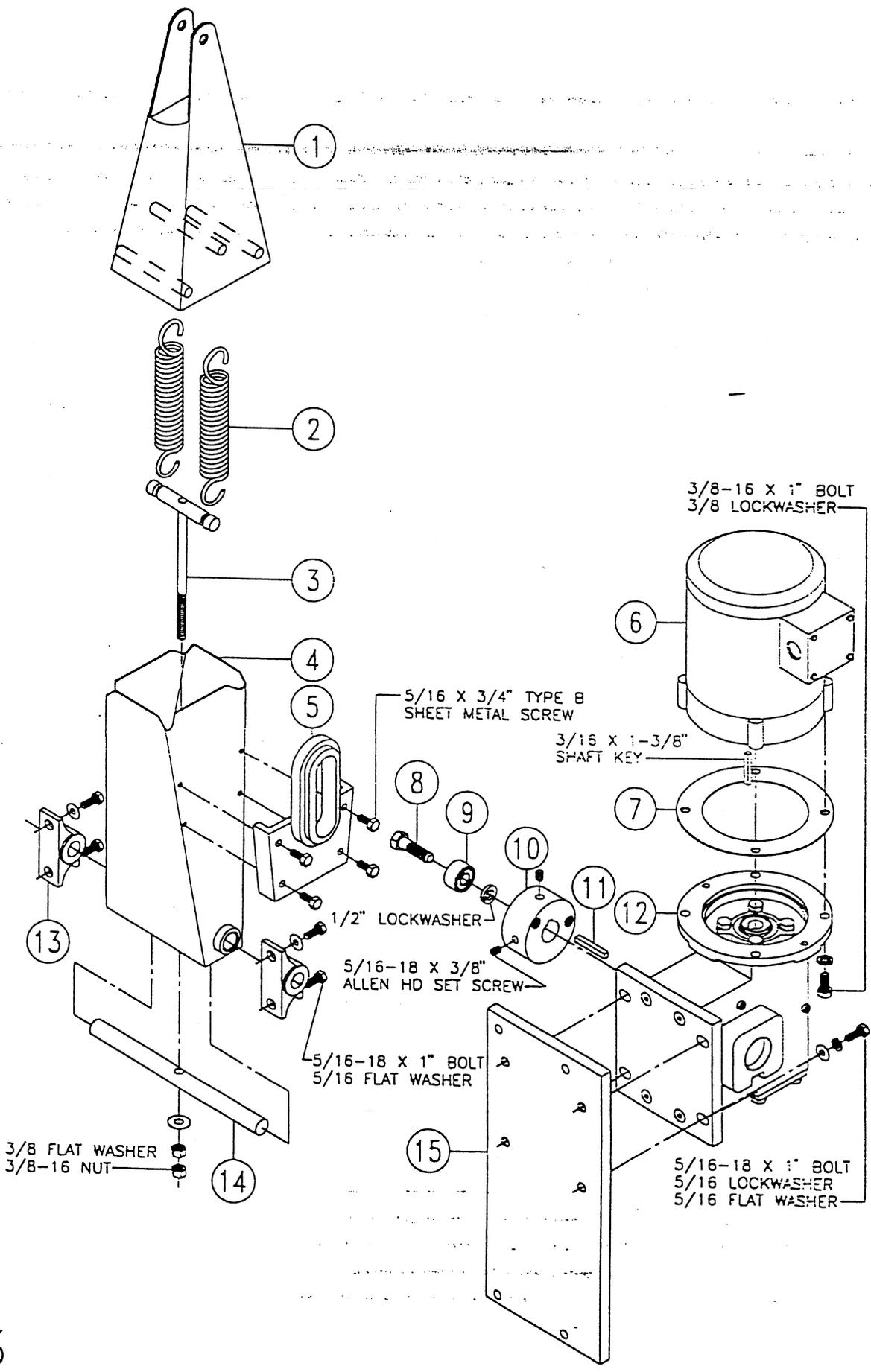


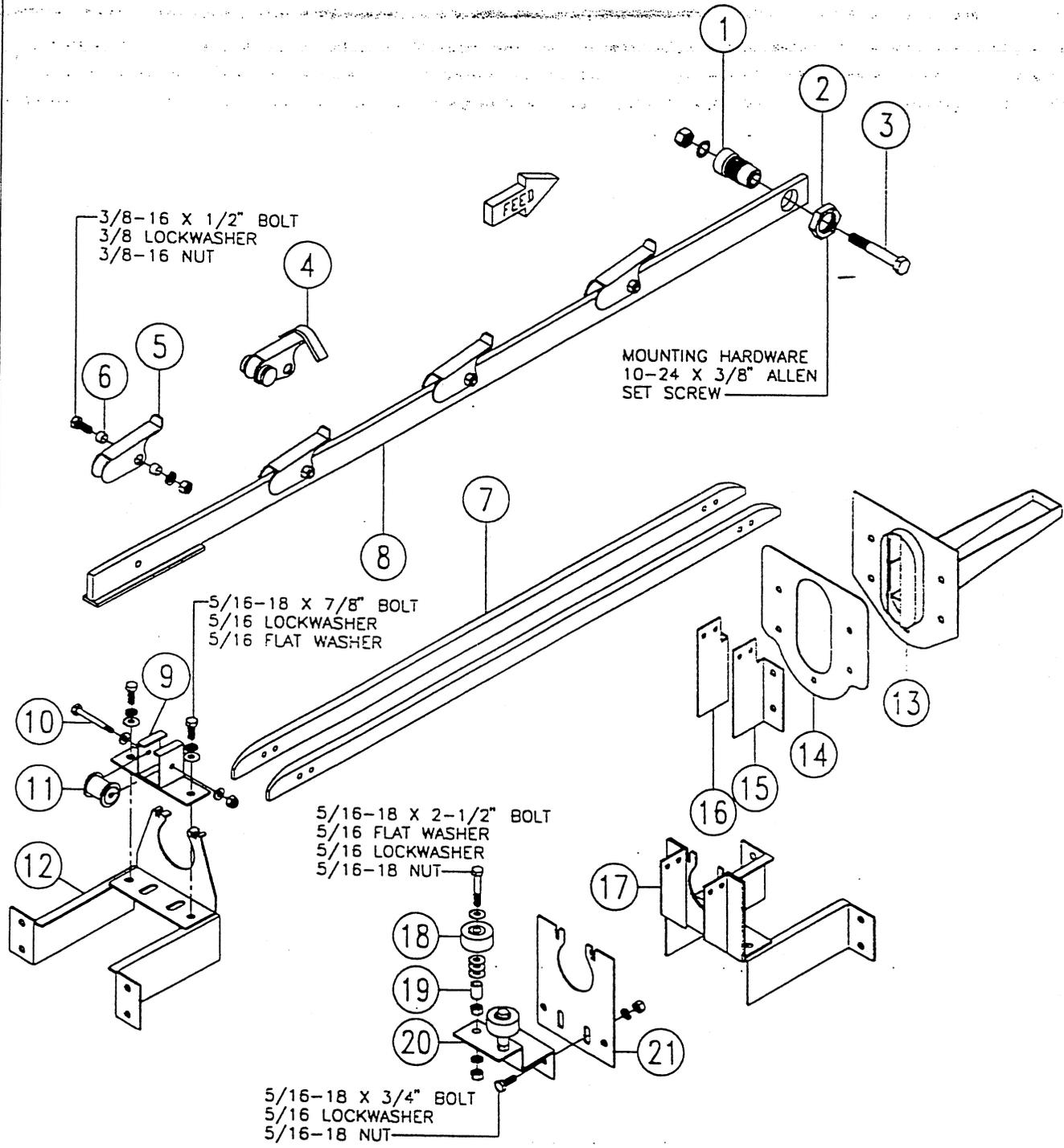










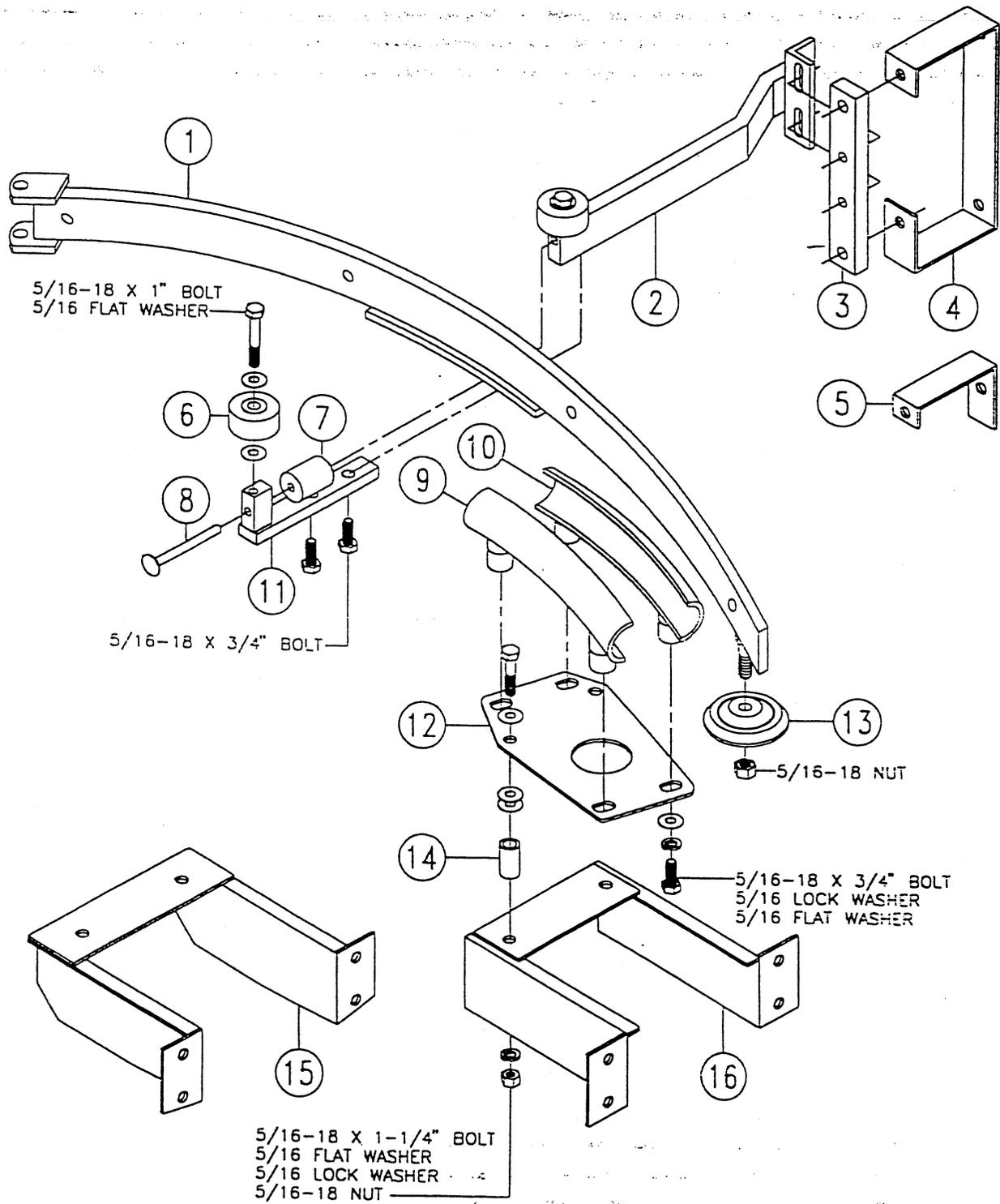


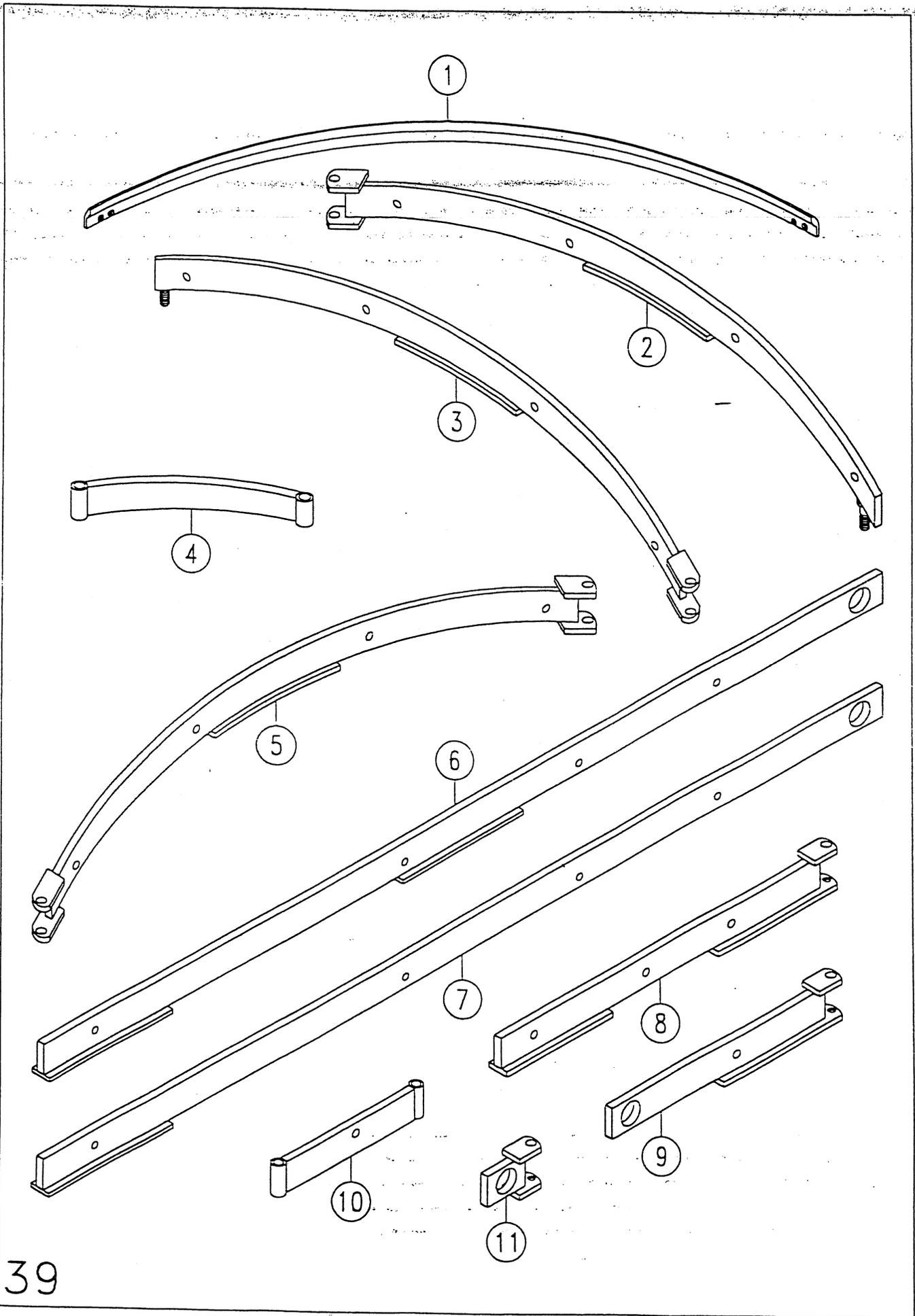
TYPICAL STRAIGHT DRIVE SECTION

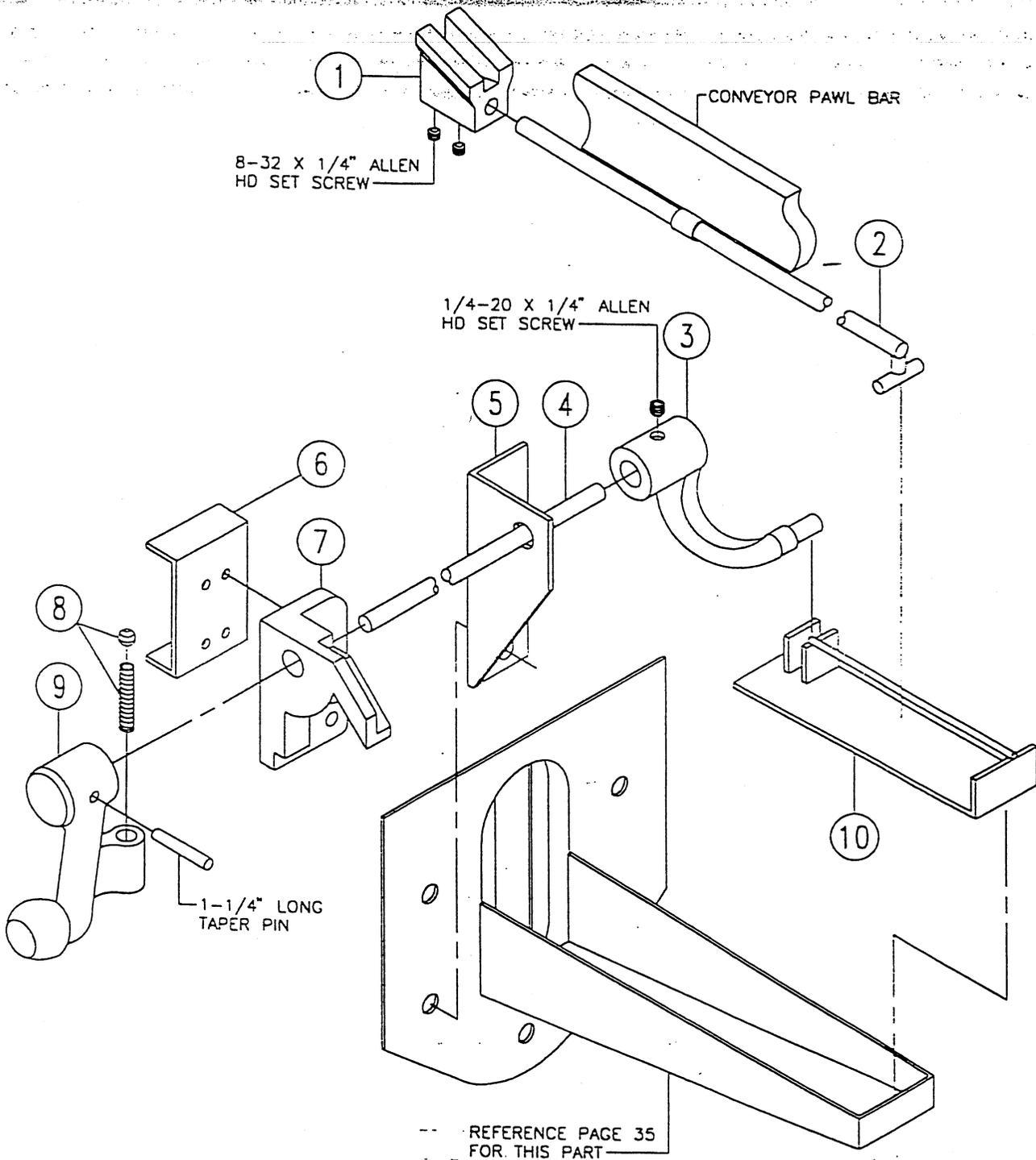
ITEM	DESCRIPTION	REMARKS	PART #
1	CONVEYOR BAR BEARING WITH INSERT		A10-2637
2	LOCKNUT CONVEYOR BAR BEARING		A10-1213
3	BOLT, NUT & WASHER FOR THE CONVEYOR BAR PIVOT BEARING		P67-2078
4	PAWL CORNER		B10-1274
5	PAWL CONVEYOR DRIVE STAND		B10-1273
6	PAWL BUSHING SS	2 REQ'D	A51-1095
IF ITEMS# 7 & 8 DO NOT LIST YOUR MODEL# CALL THE FACTORY			
7	GUIDE RAIL (SCT-44CS)	2 REQ'D	B10-1945
	GUIDE RAIL (SCT-66S-CS OR SCT-64)	2 REQ'D	B10-2604
	GUIDE RAIL (SCT-76 OR SCT-76S)	2 REQ'D	B10-2605
	GUIDE RAIL (SCT-94 OR SCT-94S)	2 REQ'D	B10-2606
	GUIDE RAIL (SCT-120)	2 REQ'D	B10-2608
	GUIDE RAIL (SCT-44 OR SCT-44CSA)	2 REQ'D	B10-2720
	GUIDE RAIL (SCT-66S OR SCT-66S-CSA)	2 REQ'D	B10-2721
	GUIDE RAIL (SC-5,6,7, OR 8 SECTION)	2 REQ'D	B10-3626
8	PAWL BAR (SCT-66S-CS)		B10-1272
	PAWL BAR (SCT-44CS)		B10-1944
	PAWL BAR (SCT-64)		B10-2598
	PAWL BAR (SCT-76)		B10-2599
	PAWL BAR (SCT-94)		B10-2600
	PAWL BAR (SCT-108S)		B10-2601
	PAWL BAR (SCT-120)		B10-2602
	PAWL BAR (SCT-76SC)		B10-3760
	PAWL BAR (SCT-66SC)		B10-3766
9	BRACKET CONVEYOR ROLLER ASSEMBLY		A10-1280
10	BOLT, WASHERS & NYLOCK NUT		A10-1281
11	ROLLER CONVEYOR BAR		A59-1202
12	BRACKET ASSEMBLY		B10-3684
13	DRAIN-BACK		B10-1285
14	GASKET "Q" DRAIN-BACK		A57-2079
15	BRACKET RAIL SUPPORT LEFT HAND		A10-1946
16	BRACKET RAIL SUPPORT RIGHT HAND		A10-1947
17	BRACKET ASSEMBLY		B10-3687
18	ROLLER (CELCON)	2 REQ'D	A59-1140
19	SPACER		A10-2070
20	BRACKET CENTER GUIDE DUAL ROLLER	SPEC. S#	B10-2610
21	BRACKET CENTER SUPPORT YOKE		B10-2609
	COUPLING COMPLETE ASSEMBLY PAWL BAR TO RELEASE HOUSING (INCLUDES ITEMS 1, 2 & 3)		A10-1943

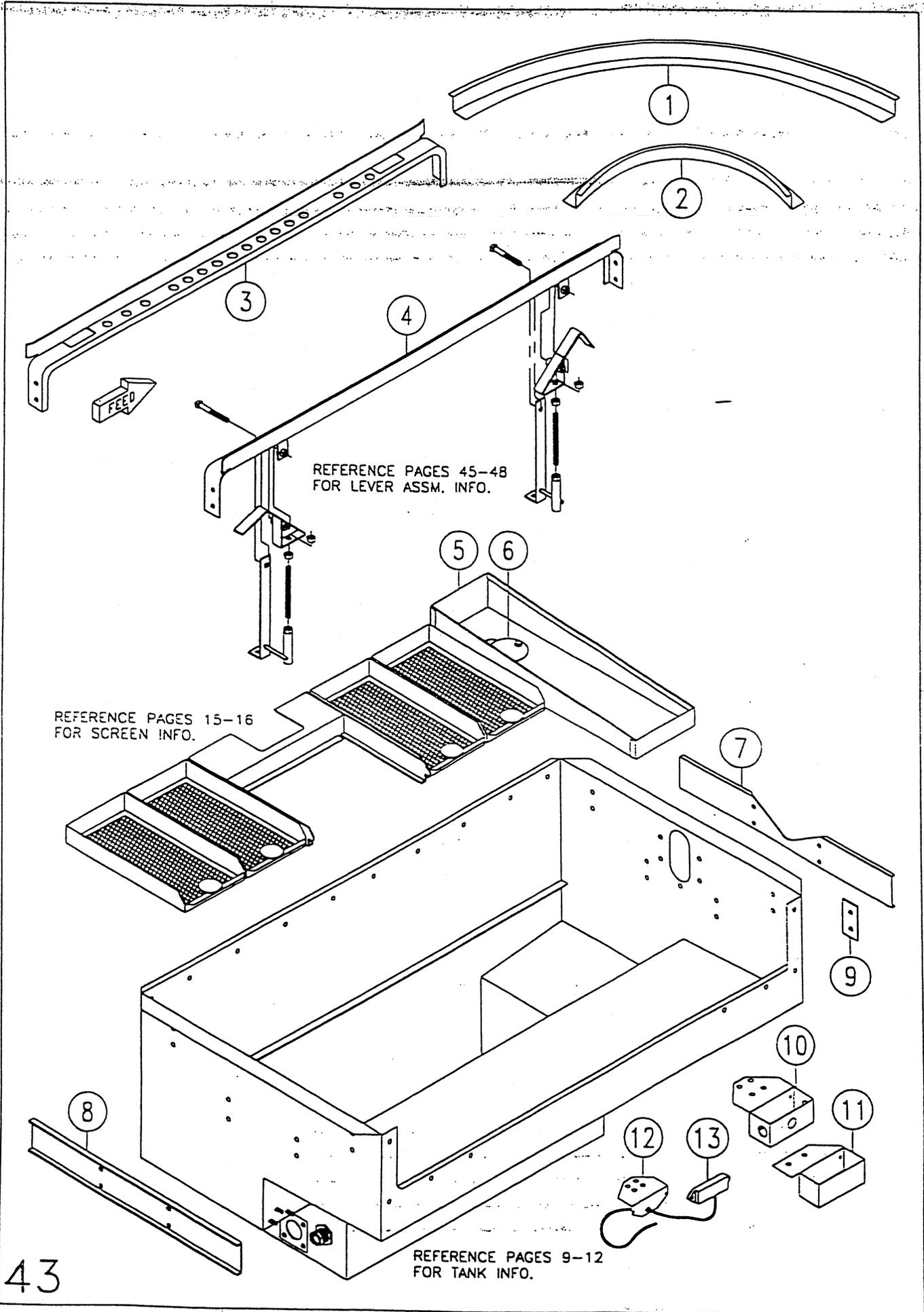
SUPPLY MACHINE MODEL & SERIAL NUMBER

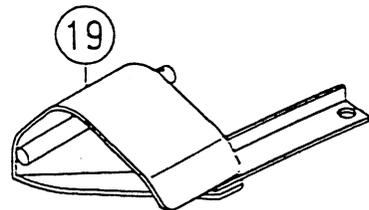
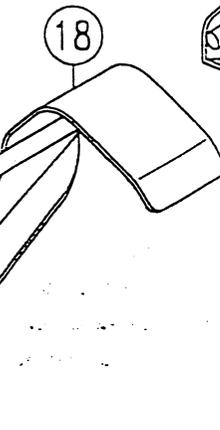
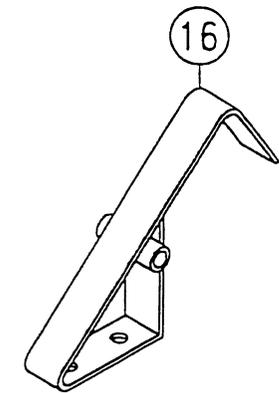
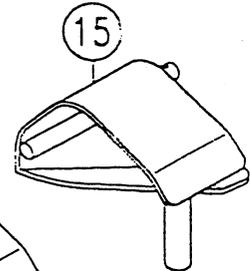
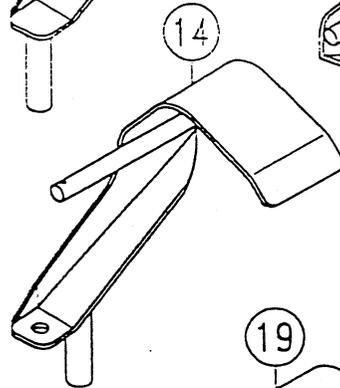
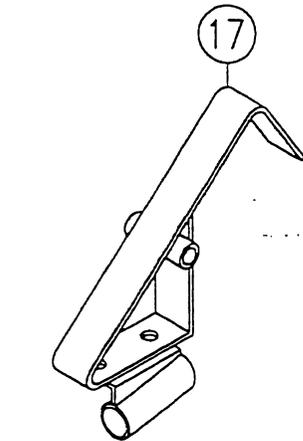
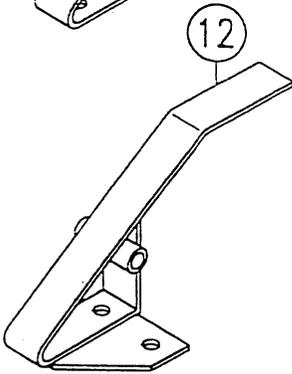
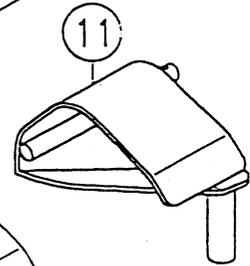
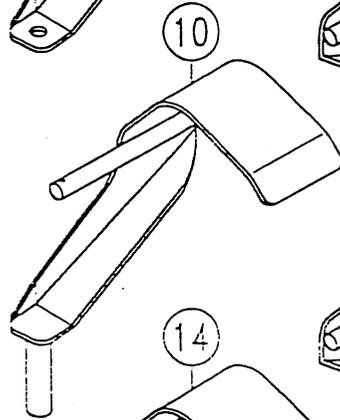
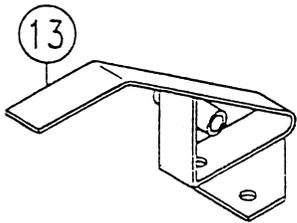
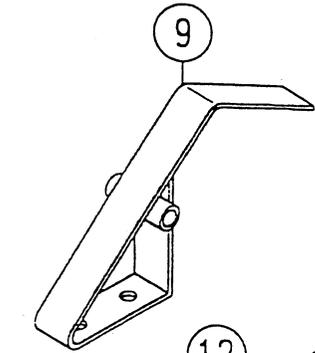
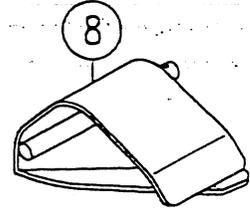
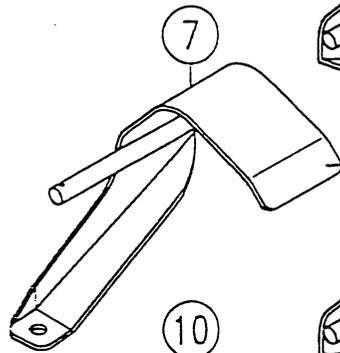
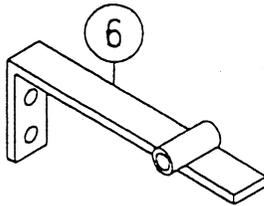
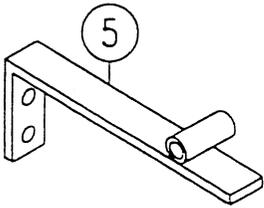
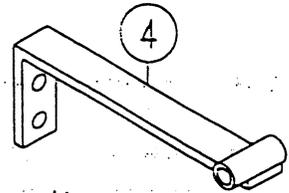
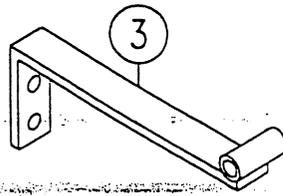
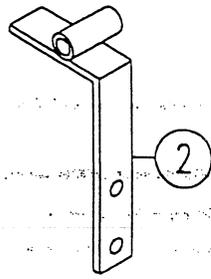
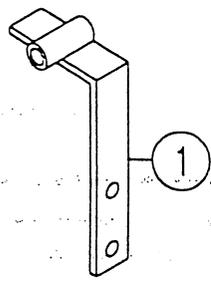
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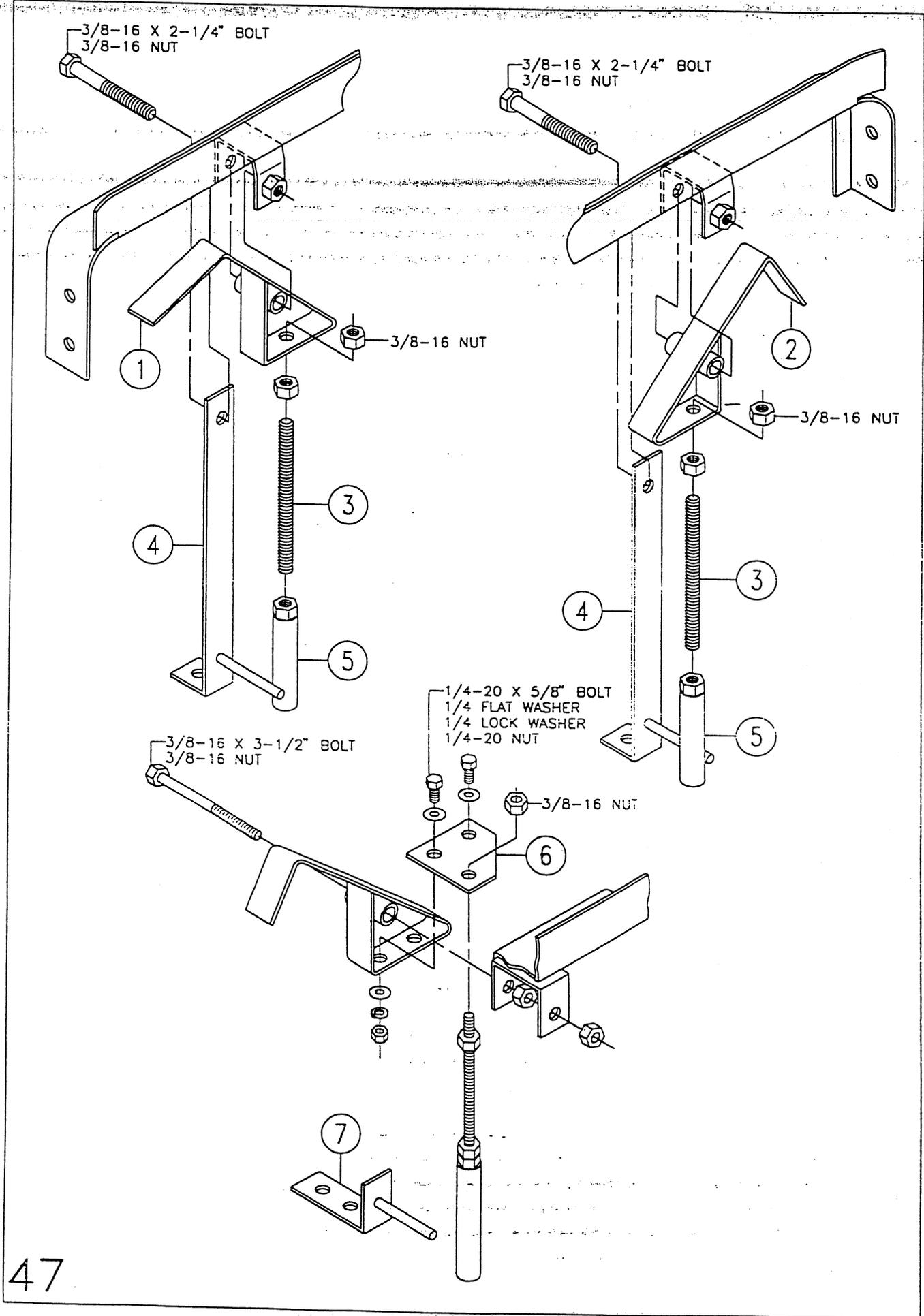


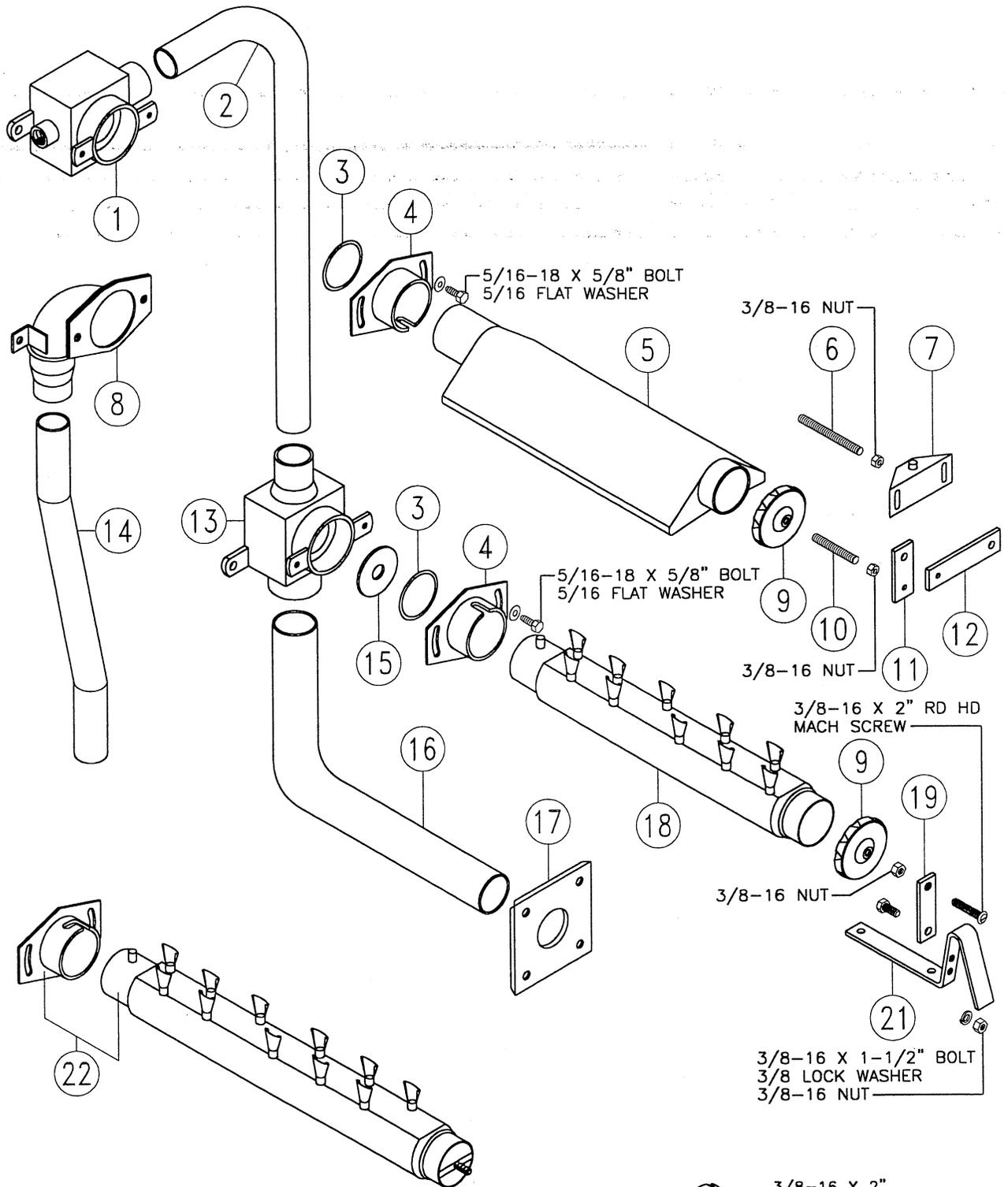


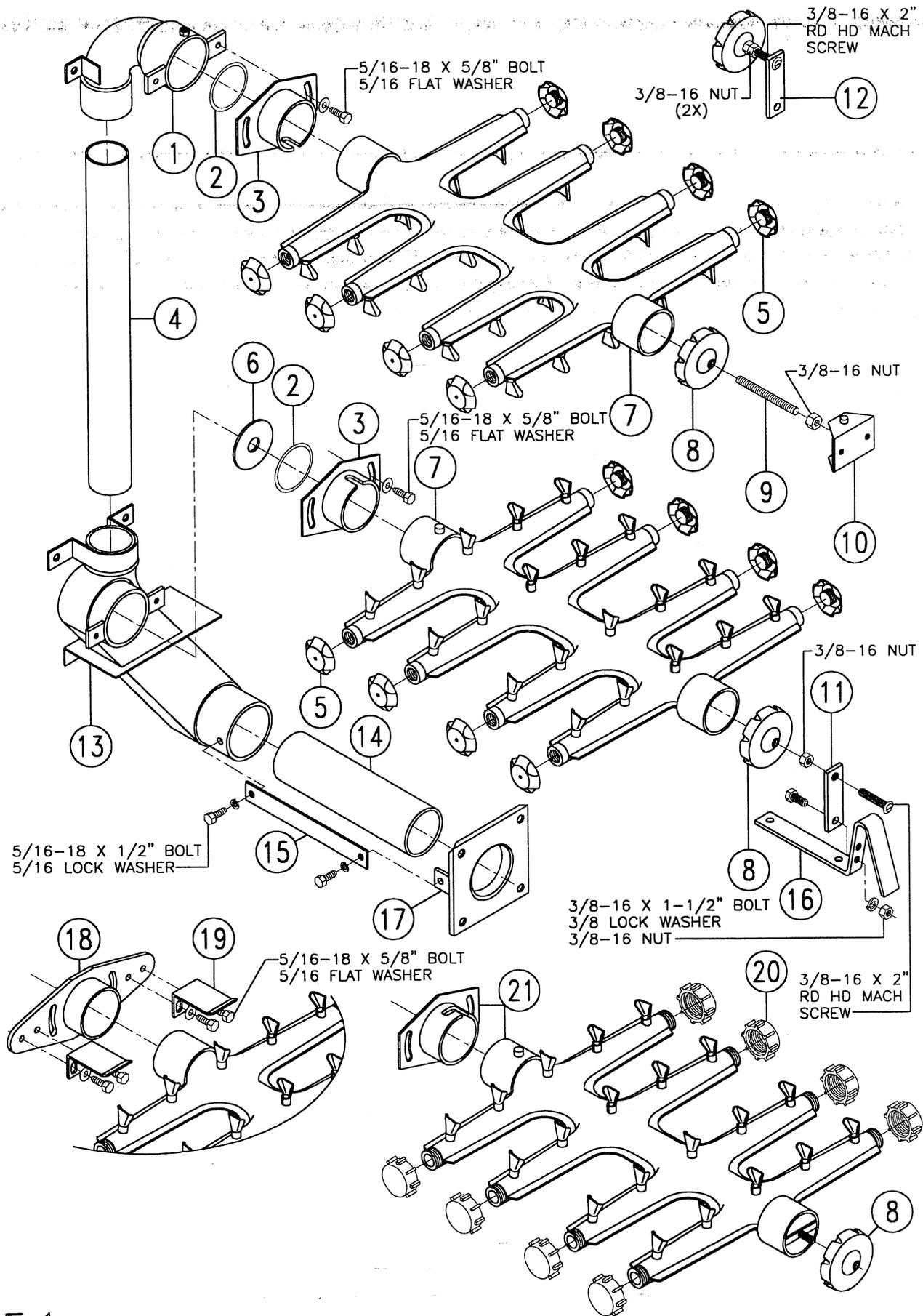












WASH/RINSE SPRAY ASSEMBLY

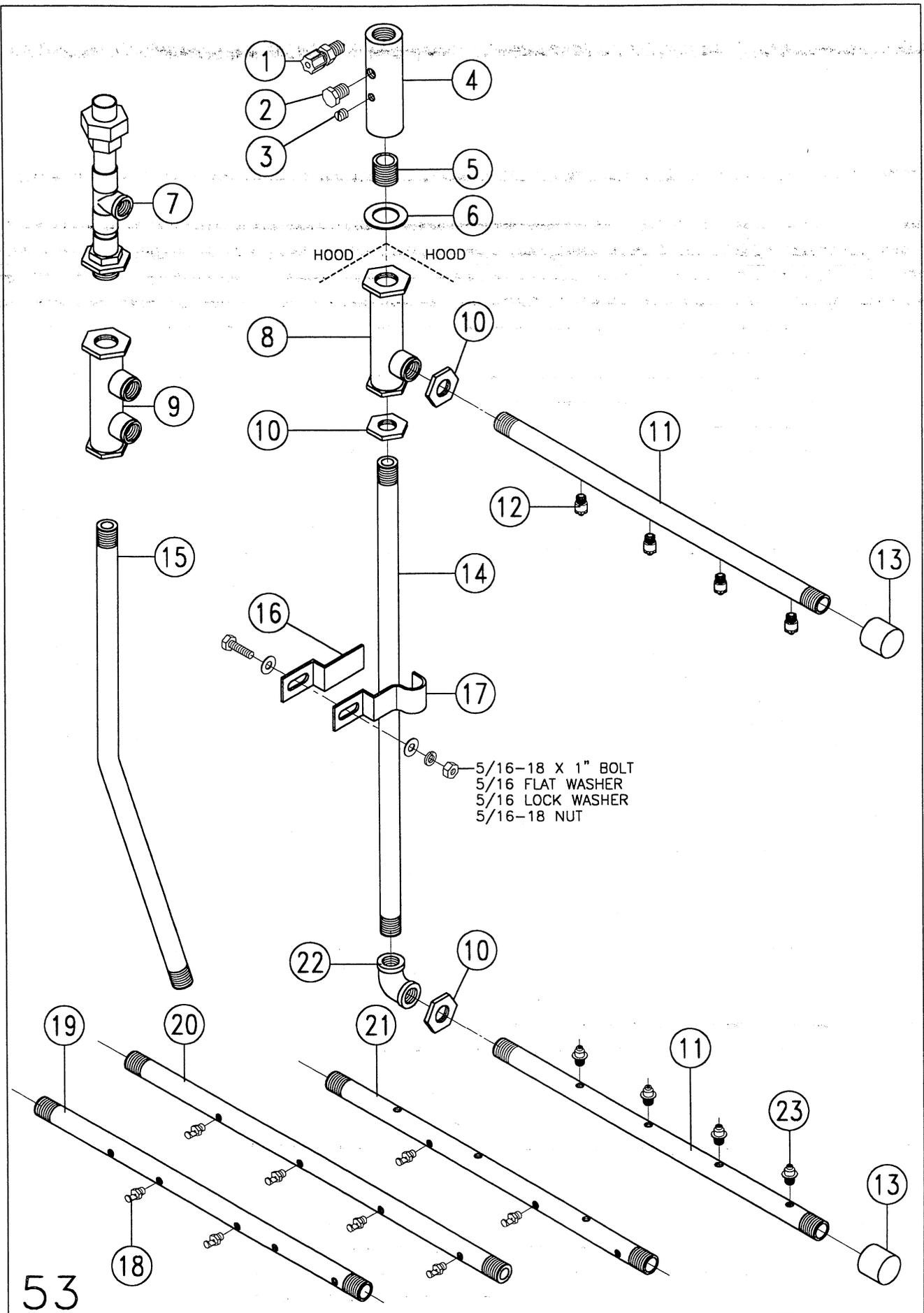
ITEM	DESCRIPTION	REMARKS	PART #
1	ELBOW MANIFOLD UPPER		B10-1995
2	O-RING #228 VITON		P57-2519
3	ADAPTER MANIFOLD	S# REQ'D	B10-2250
4	STANDPIPE (SPECIFY IF THE MACHINE HAS A EXTENDED HOOD)		A10-1994
5	CAP, CLEAN OUT TREE STYLE MANIFOLD	(MALE)	A10-3318
6	RESTRICTOR FLOW 3/4"		A10-2252
	RESTRICTOR FLOW 1"		A10-2253
	RESTRICTOR FLOW 1-1/8"		A10-2254
	RESTRICTOR FLOW 1-1/4"		A10-2255
	RESTRICTOR FLOW 1-1/2"		A10-2256
7	MANIFOLD CENTER FED (28 SPRAYERS)		C10-1259
	MANIFOLD CENTER FED (20 SPRAYERS)		C10-1162
	MANIFOLD CENTER FED (20 SPRAYERS) - (WITH EXTENDED COLLAR)		C10-1257
8	END CAP SPRAY MANIFOLD		A10-1868
9	STUD 3/8-16 X 3-1/4"		A67-2065
10	BRACKET ASSM. UPPER MANIFOLD END CAP		A10-3129
11	ARM PIVOT SPRAY MANIFOLD		A10-1869
12	ASSEMBLY, PIVOT ARM		**
13	TEE & ELBOW COMBINATION S.S.		C10-1087
14	TUBE CROSS OVER 8-11/16" LONG		B10-1865
15	RETAINER FEED PIPE FLANGE TEE		A10-1993
16	BAR SUPPORT SPRAY MANIFOLD CLAMP		B10-1867
17	FLANGE DISCHARGE 368 PUMP		B10-1860

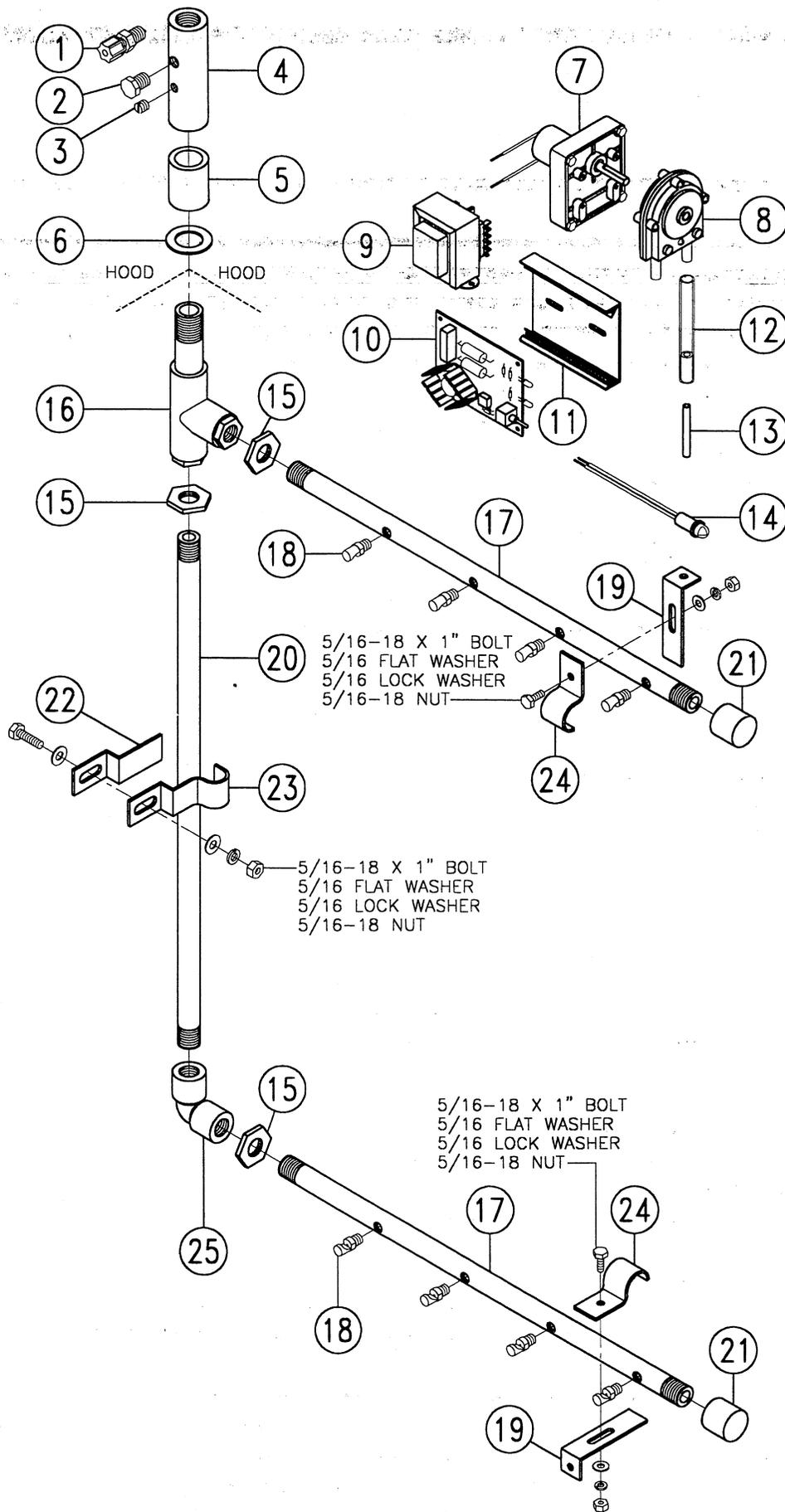
THE BELOW PARTS REPRESENT OLD STYLE MANIFOLDS

18	FLANGE MANIFOLD ADJUSTMENT		A10-1988
19	BRACKET MANIFOLD ORIENT		A10-1990
20	CAP, CLEAN OUT TREE STYLE MANIFOLD	(FEMALE)	A59-2227
	RED PLASTIC (REPLACES OLD STYLE S.S. CAP #A10-2028)		
21	PICTURE REPRESENTS OLD STYLE TWIST LOCK MANIFOLD & ADAPTER		**

** CALL FACTORY WITH MODEL & SERIAL NUMBERS (800) 762-7600

SUPPLY MACHINE MODEL & SERIAL NUMBER

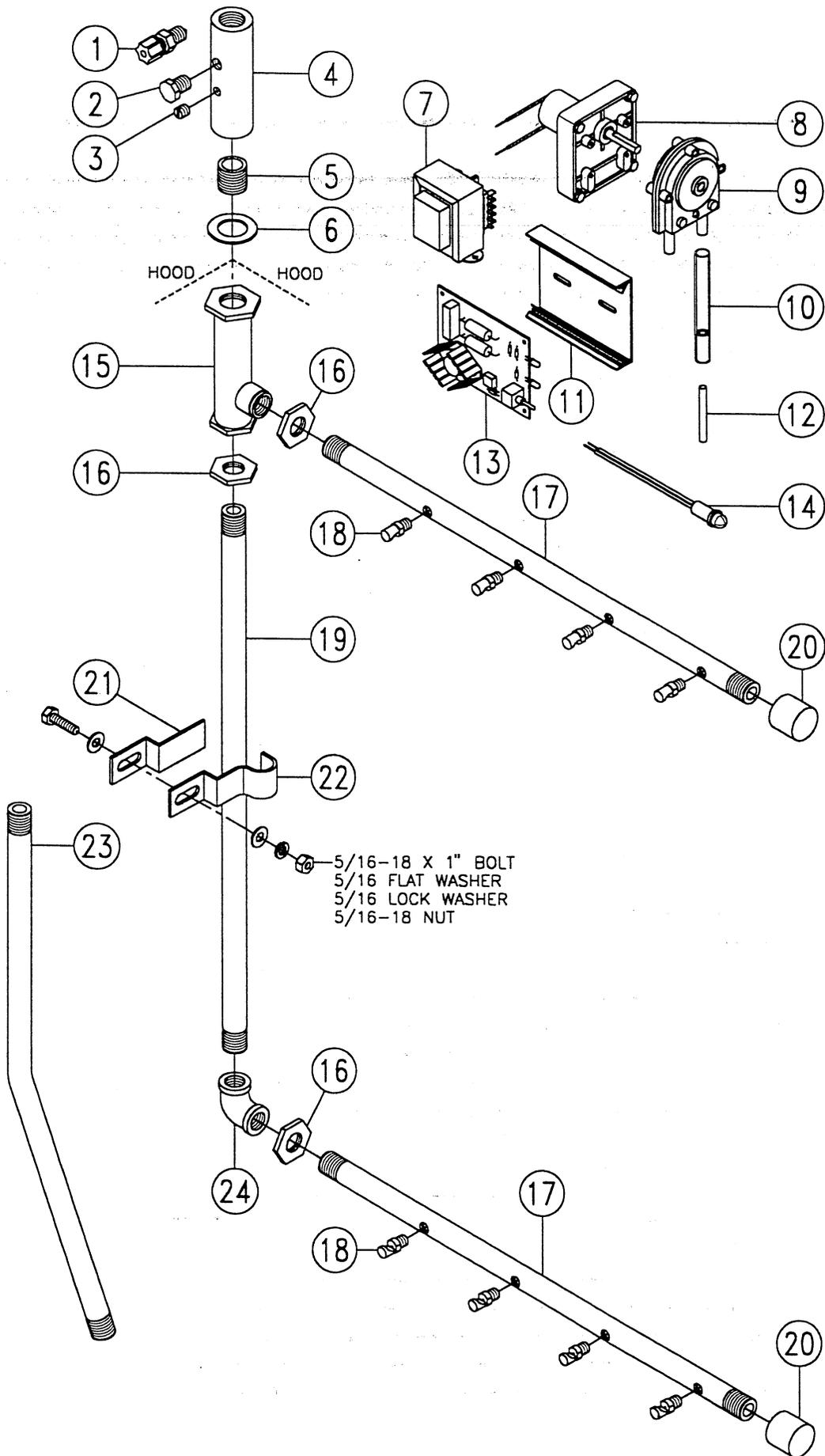




OLD STYLE LO TEMP RINSE ASSM.

ITEM	DESCRIPTION	REMARKS	PART #
1	DUCK BILL CHECK VALVE PLASTIC		P68-1982
2	PLUG 1/2" MIP CPVC		P68-2676
3	PLUG 1/8-27 SLOTTED SS		A50-2435
4	CHEMICAL MIXING TOWER SS		P68-5278
5	SLEEVE RINSE TEE CPVC		A10-3288
6	GASKET TOWER		A10-1909
7	PUMP MOTOR DC		P41-1011
8	CHEMICAL PUMP COMPLETE		P41-1001
	SQUEEZE TUBE (INCLUDED WITH PUMP)		P68-1005
9	TRANSFORMER DC POWER SUPPLY		P53-1054
10	PC BOARD DC POWER SUPPLY		P42-1864
11	SNAP TRACK 4" LONG		P42-1049
12	SIGHT TUBE ASSM.		A10-1340C
13	CHEMICAL TUBE 1/4" RED		P68-1021
	CHEMICAL TUBE 1/4" WHITE		P68-1022
	CHEMICAL TUBE 1/4" BLUE		P68-1023
14	LAMP PILOT LIGHT RED 14 V.		P49-1721
15	LOCKNUT SS 1/2" NPT		A10-1446
16	TEE ASSM. FINAL RINSE CPVC		A10-1913
17	PIPE UPPER & LOWER FINAL RINSE CPVC (LARGE JETS RECOMMENDED)	CSA TYPE	B10-2679
	PIPE UPPER & LOWER FINAL RINSE CPVC (SMALL JETS RECOMMENDED)	CS TYPE	B10-1906
	PIPE UPPER & LOWER FINAL RINSE CPVC (SMALL JETS RECOMMENDED)	SC-9 TYPE	B10-2224
18	SPRAY JET CPVC .063 HOLE		B10-1870
	SPRAY JET CPVC .073 HOLE		B10-2318
19	BRACKET SPRAY PIPE SS		A10-3670
20	RISER PIPE FINAL RINSE 19-3/4" LONG CPVC (SPECIFY IF THE MACHINE HAS A EXTENDED HOOD)		B10-1907
21	CAP CPVC 1/2" FIP		P68-1293
22	BRACKET RISER PIPE SS		A10-3721
23	CLAMP RISER PIPE BRACKET SS		A10-3722
24	CLAMP PIPE BRACKET SS		A10-2021
25	ELBOW CPVC 90° 1/2" FIP		P68-1294
	FINAL RINSE ASSM. SPECIFY MODEL# & SERIAL#	S# REQ'D	B10-1916L

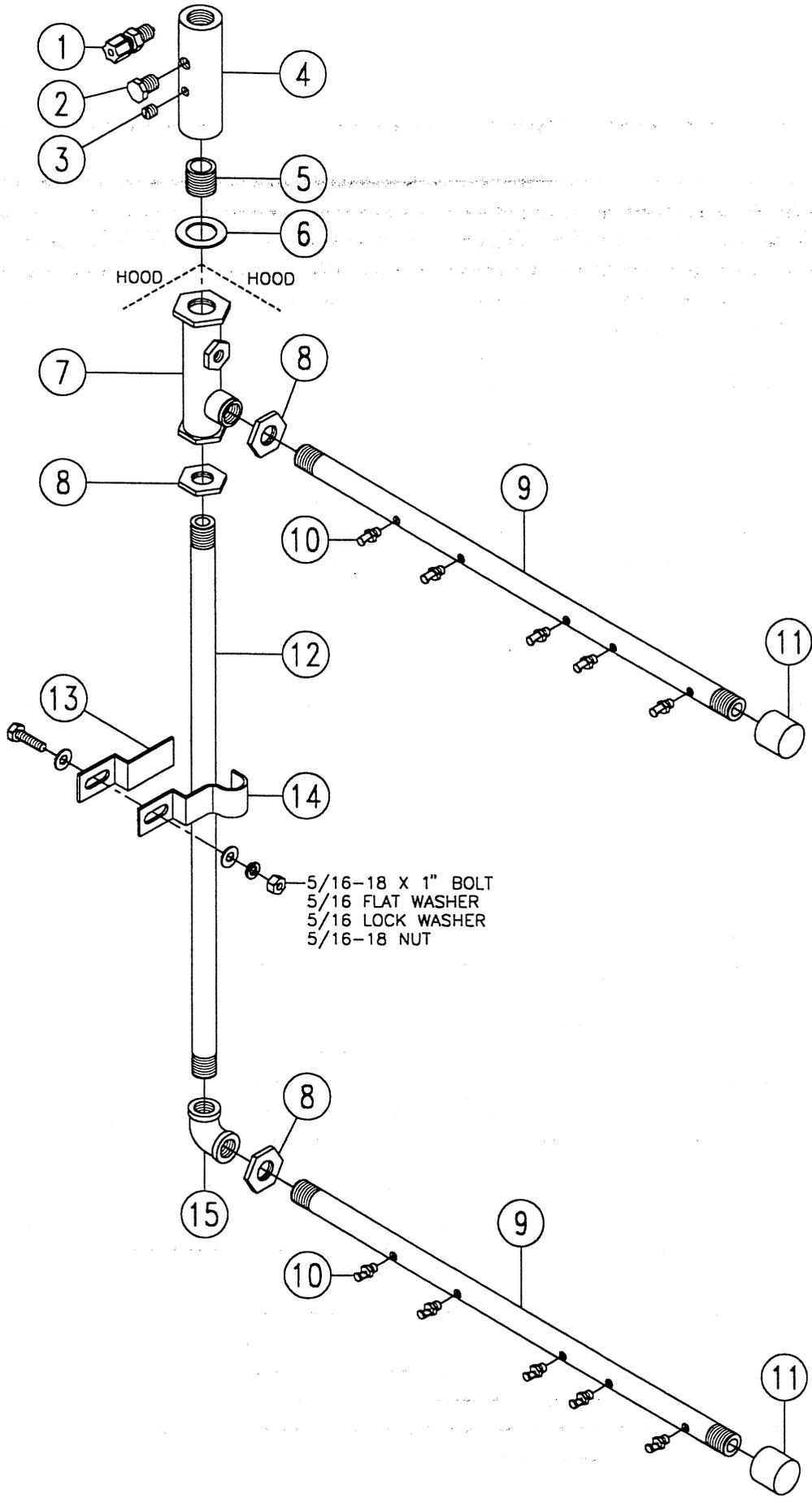
SUPPLY MACHINE MODEL & SERIAL NUMBER

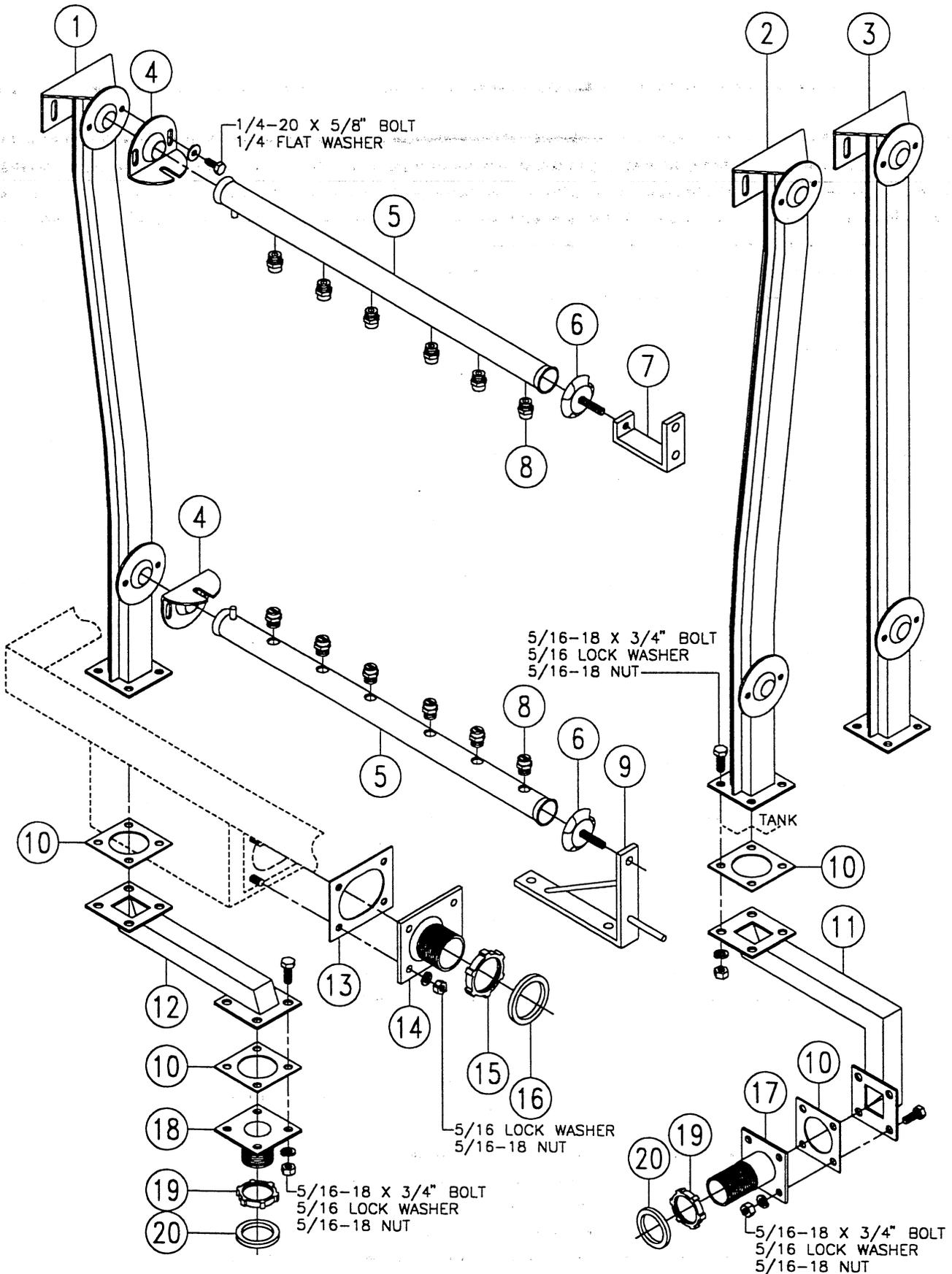


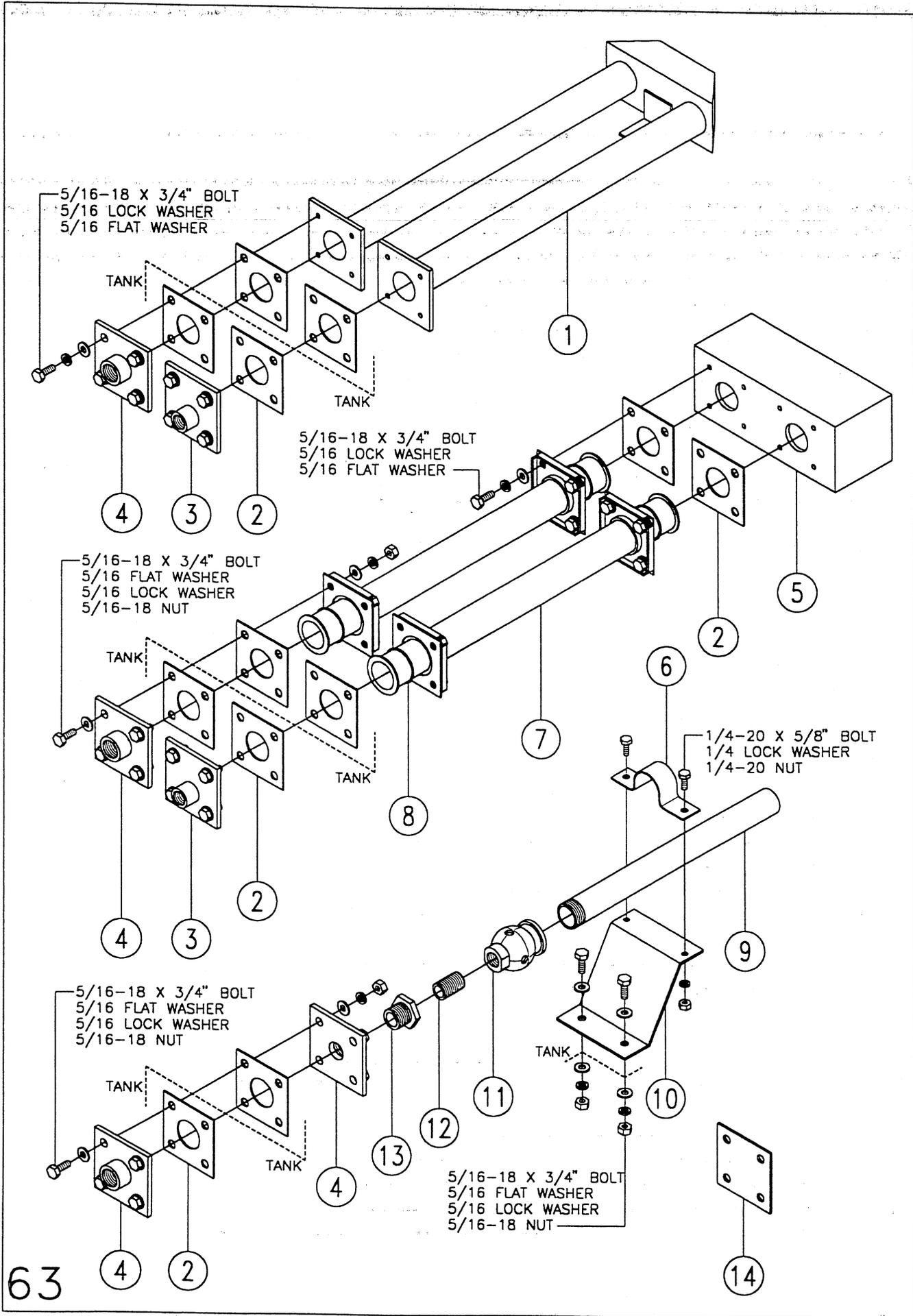
NEW STYLE LO TEMP RINSE ASSM.

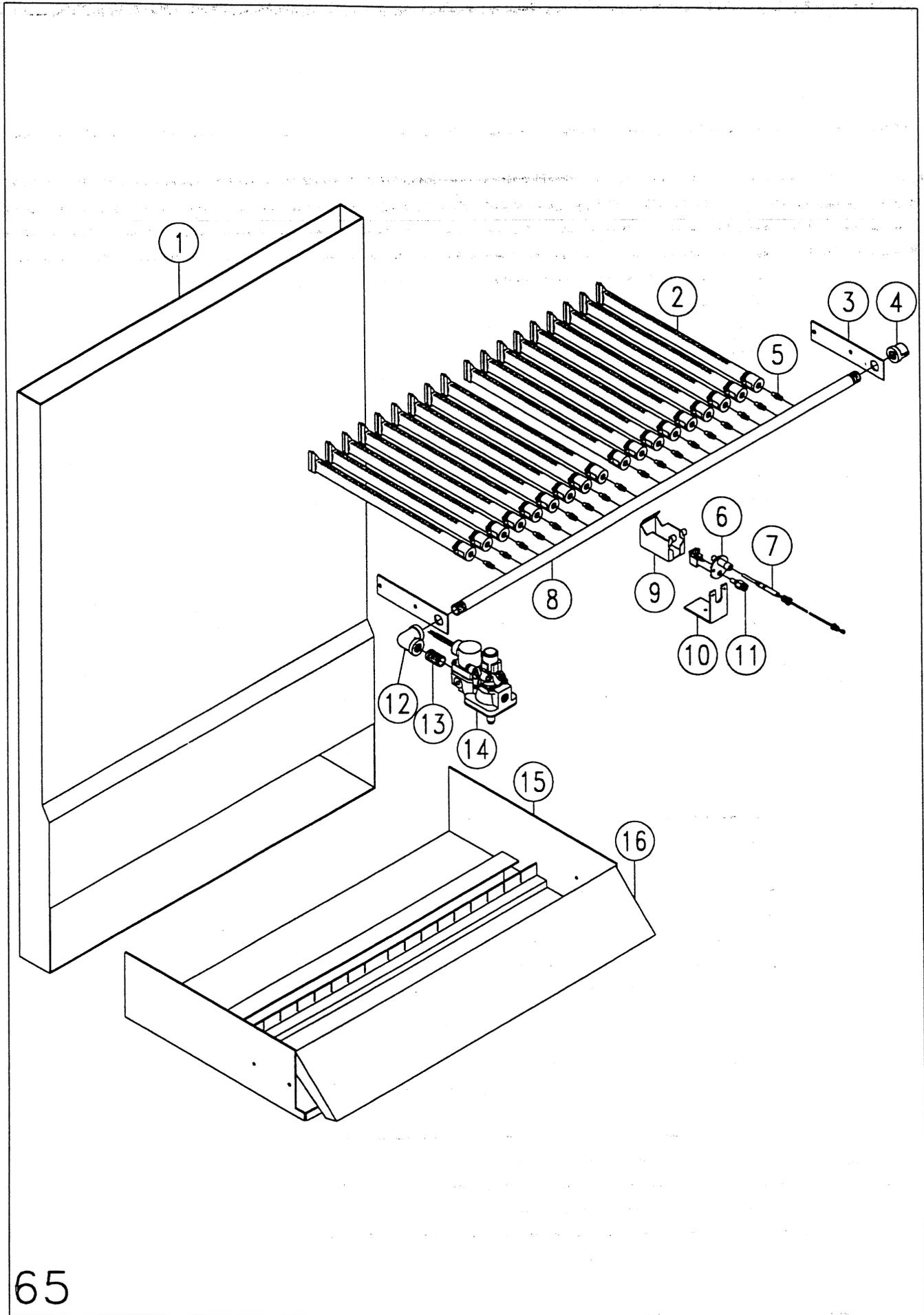
ITEM	DESCRIPTION	REMARKS	PART #
1	DUCK BILL CHECK VALVE PLASTIC		P68-1982
2	PLUG 1/2" MIP CPVC		P68-2676
3	PLUG 1/8-27 SLOTTED SS		A50-2435
4	CHEMICAL MIXING TOWER SS		P68-5278
5	3/4 X 1" SS NIPPLE STRAIGHT		A10-5779
6	GASKET TOWER		A10-1909
7	TRANSFORMER DC POWER SUPPLY		P53-1054
8	PUMP MOTOR DC		P41-1011
9	CHEMICAL PUMP COMPLETE		P41-1001
	SQUEEZE TUBE (INCLUDED WITH PUMP)		P68-1005
10	SIGHT TUBE ASSM.		A10-1340C
11	SNAP TRACK 4" LONG		P42-1049
12	CHEMICAL TUBE 1/4" RED		P68-1021
	CHEMICAL TUBE 1/4" WHITE		P68-1022
	CHEMICAL TUBE 1/4" BLUE		P68-1023
13	PC BOARD DC POWER SUPPLY		P42-1864
14	LAMP PILOT LIGHT RED 14 V.		P49-1721
15	TEE UPPER FINAL RINSE SS		A10-4547
16	LOCKNUT SS 1/2" NPT		A10-1446
17	PIPE UPPER & LOWER FINAL RINSE	CSA TYPE	B10-2679S
	SS (LARGE JETS RECOMMENDED)		
	PIPE UPPER & LOWER FINAL RINSE	CS TYPE	B10-1906S
	SS (SMALL JETS RECOMMENDED)		
	PIPE UPPER & LOWER FINAL RINSE	SC-9 TYPE	B10-2224S
	SS (SMALL JETS RECOMMENDED)		
18	SPRAY JET CPVC .063 HOLE		B10-1870
	SPRAY JET CPVC .073 HOLE		B10-2318
19	RISER PIPE FINAL RINSE 20-1/4" LONG		A10-1279
	SS (SPECIFY IF THE MACHINE HAS A EXTENDED HOOD)		
20	CAP CPVC 1/2" FIP		P68-1293
21	BRACKET RISER PIPE SS		A10-3721
22	CLAMP RISER PIPE BRACKET SS		A10-3722
23	ANGLED RISER PIPE FINAL RINSE USED ON SC-4 SECTION SS (SPECIFY IF THE MACHINE HAS A EXTENDED HOOD)		*
24	ELBOW 90° 1/2" BRASS FIP		P68-1478
	FINAL RINSE ASSM. SPECIFY MODEL# & SERIAL#	S# REQ'D	B10-1916NL
	* CALL FACTORY WITH MODEL & SERIAL NUMBERS (800)		762-7600

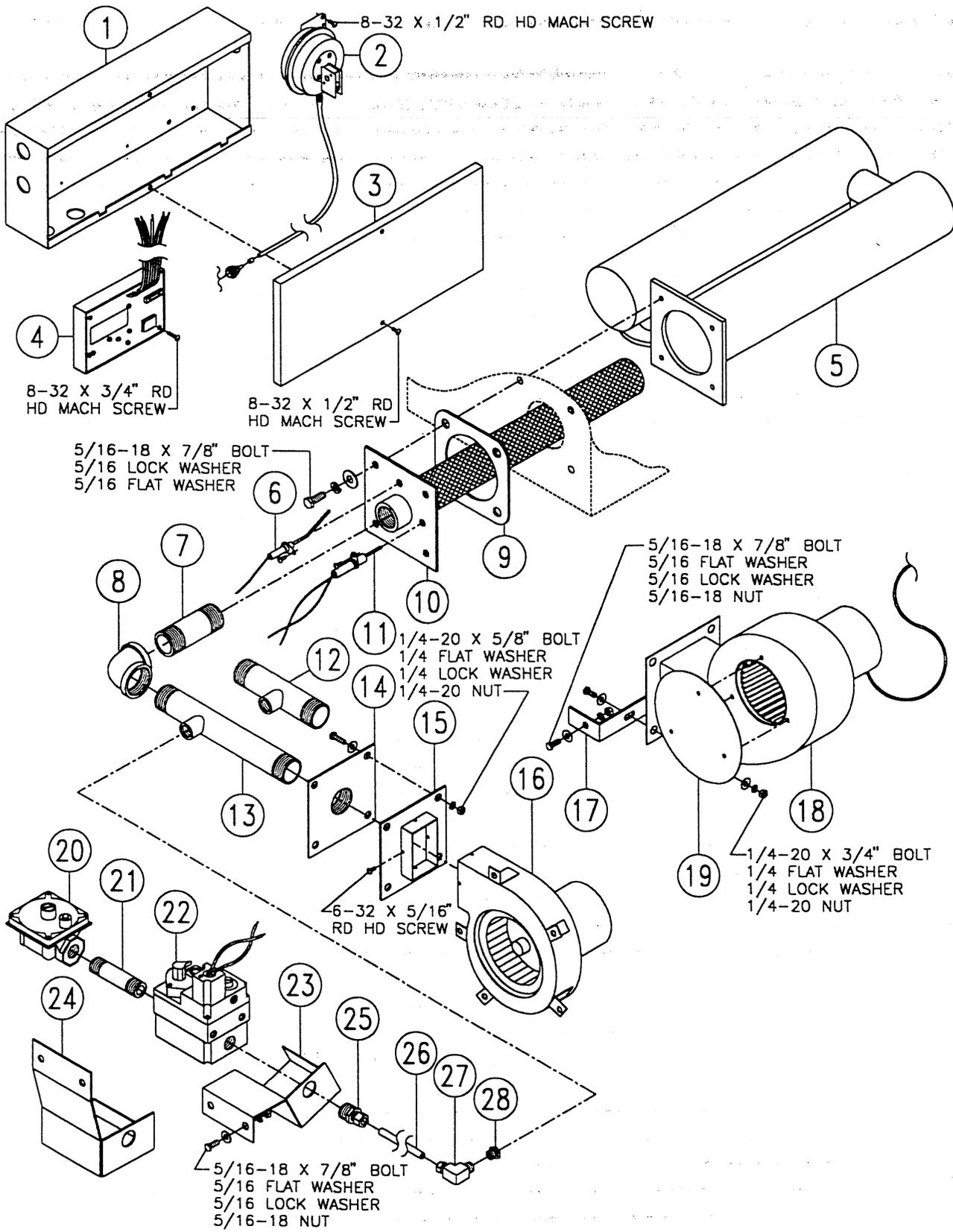
SUPPLY MACHINE MODEL & SERIAL NUMBER

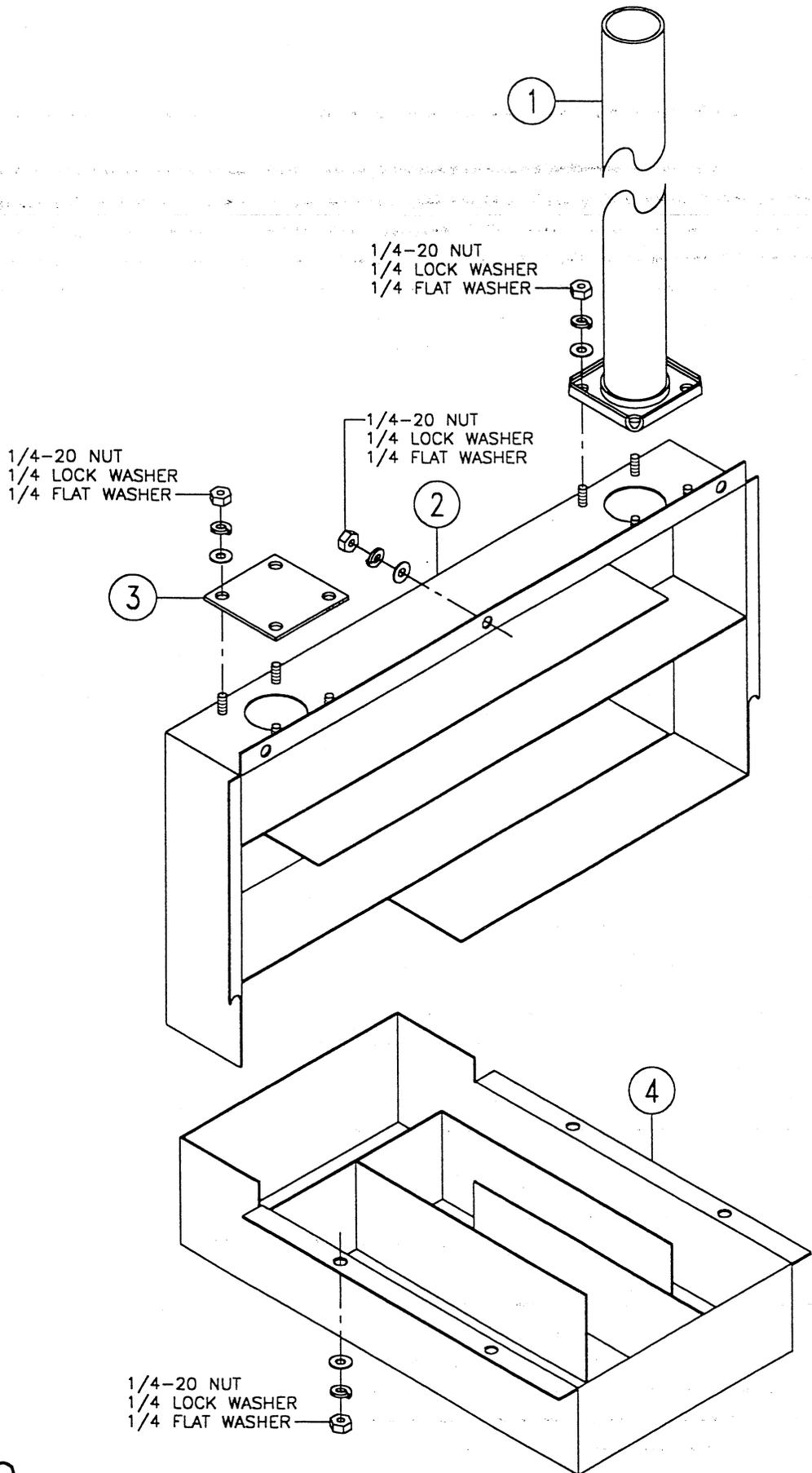


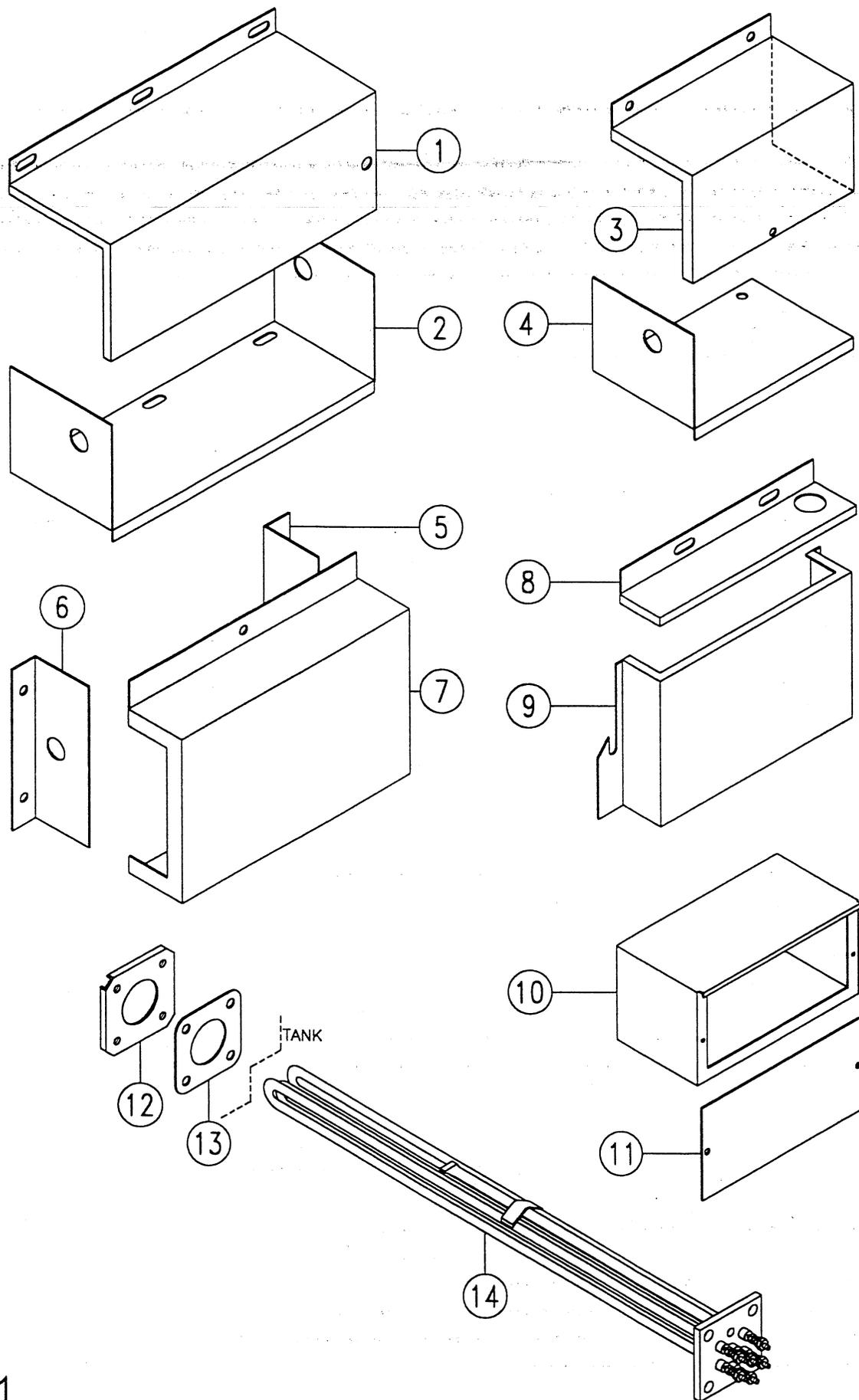


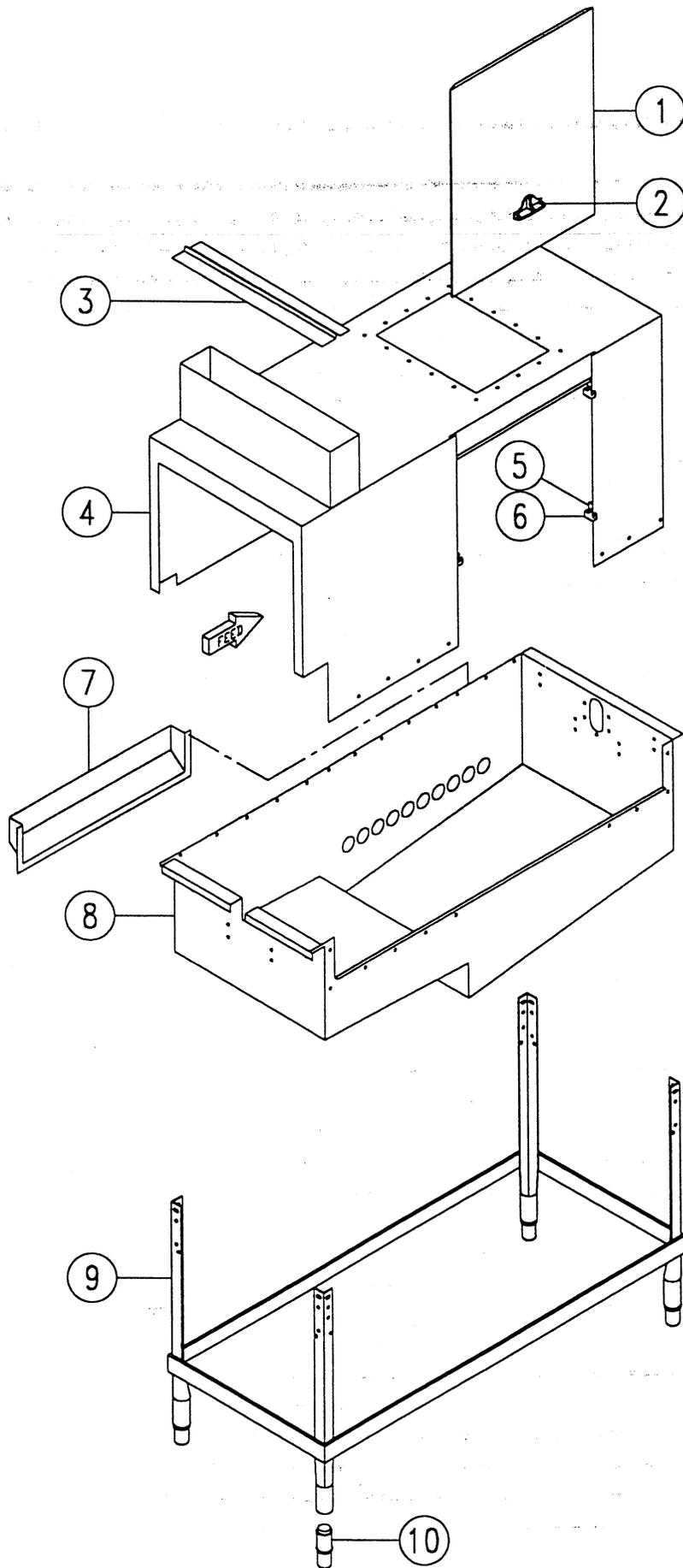


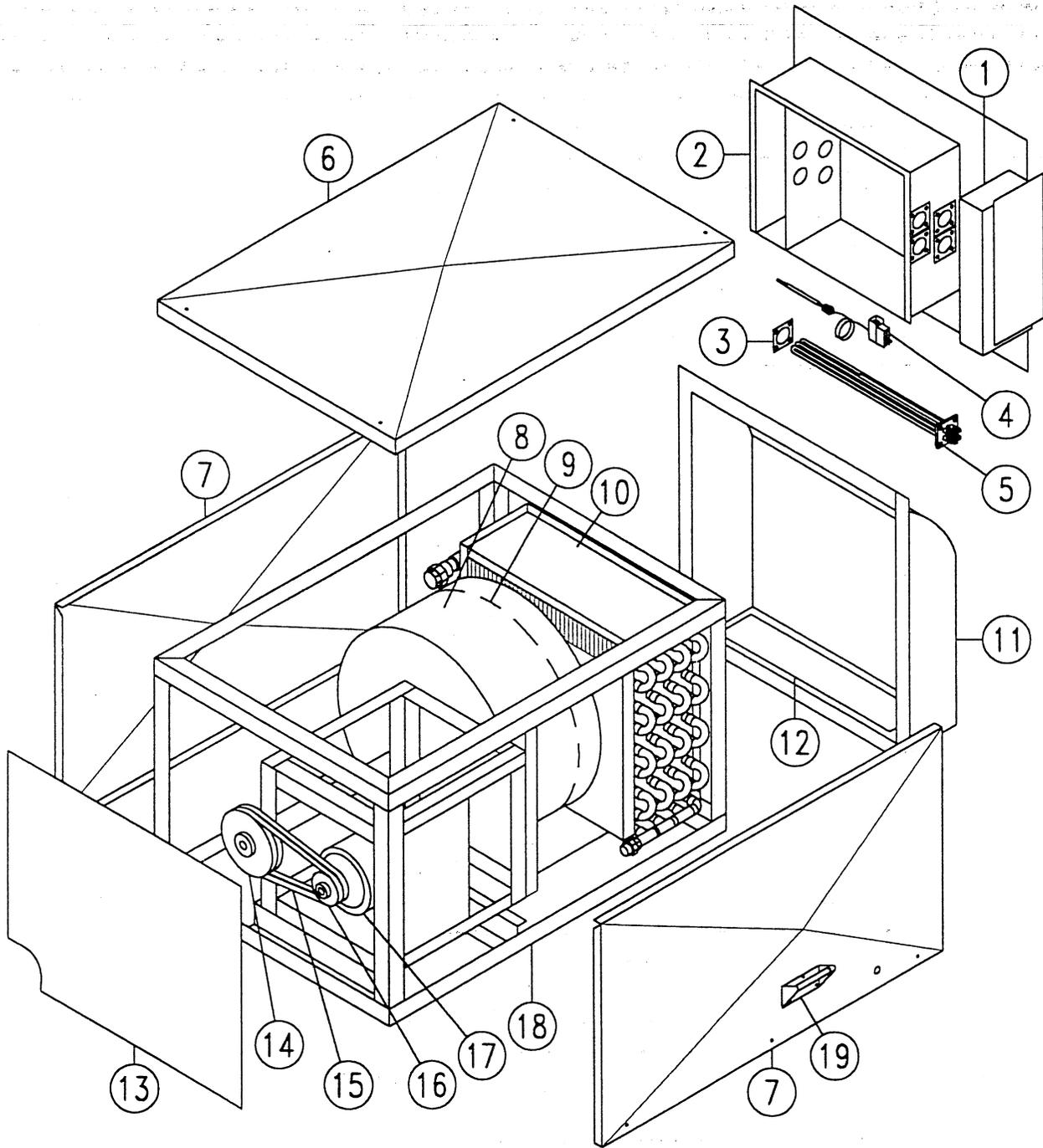


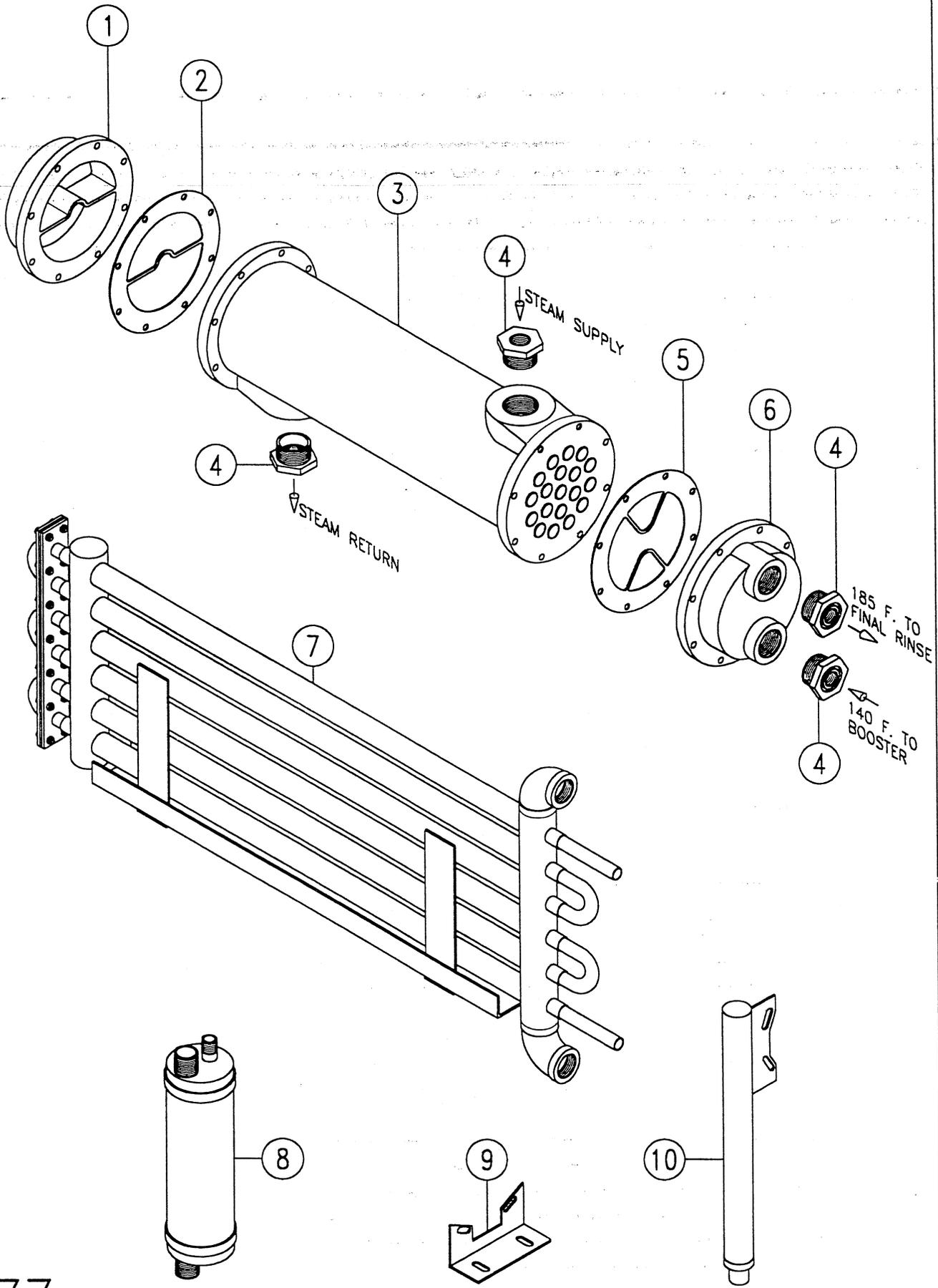


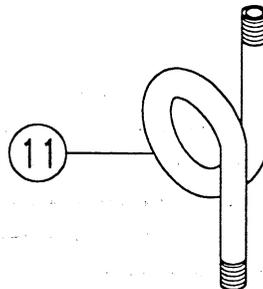
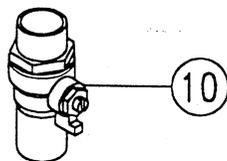
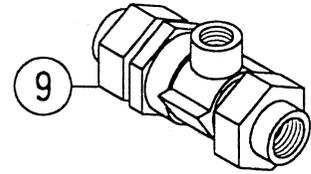
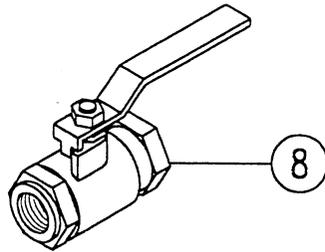
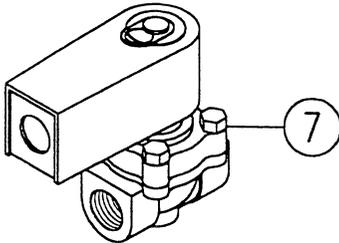
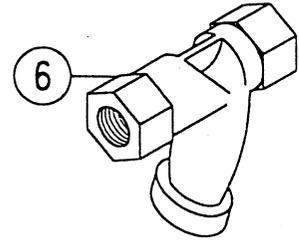
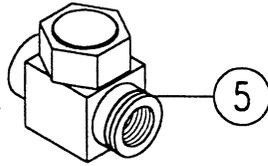
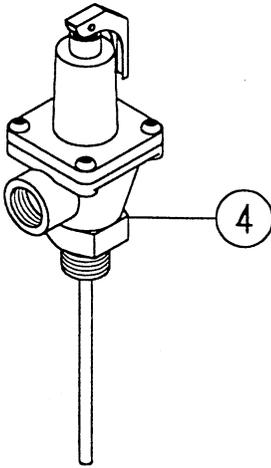
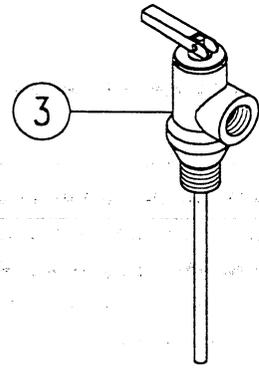
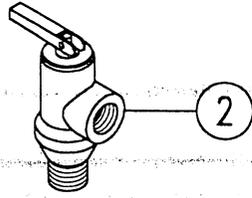
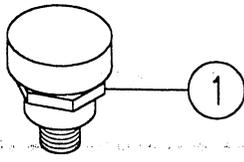


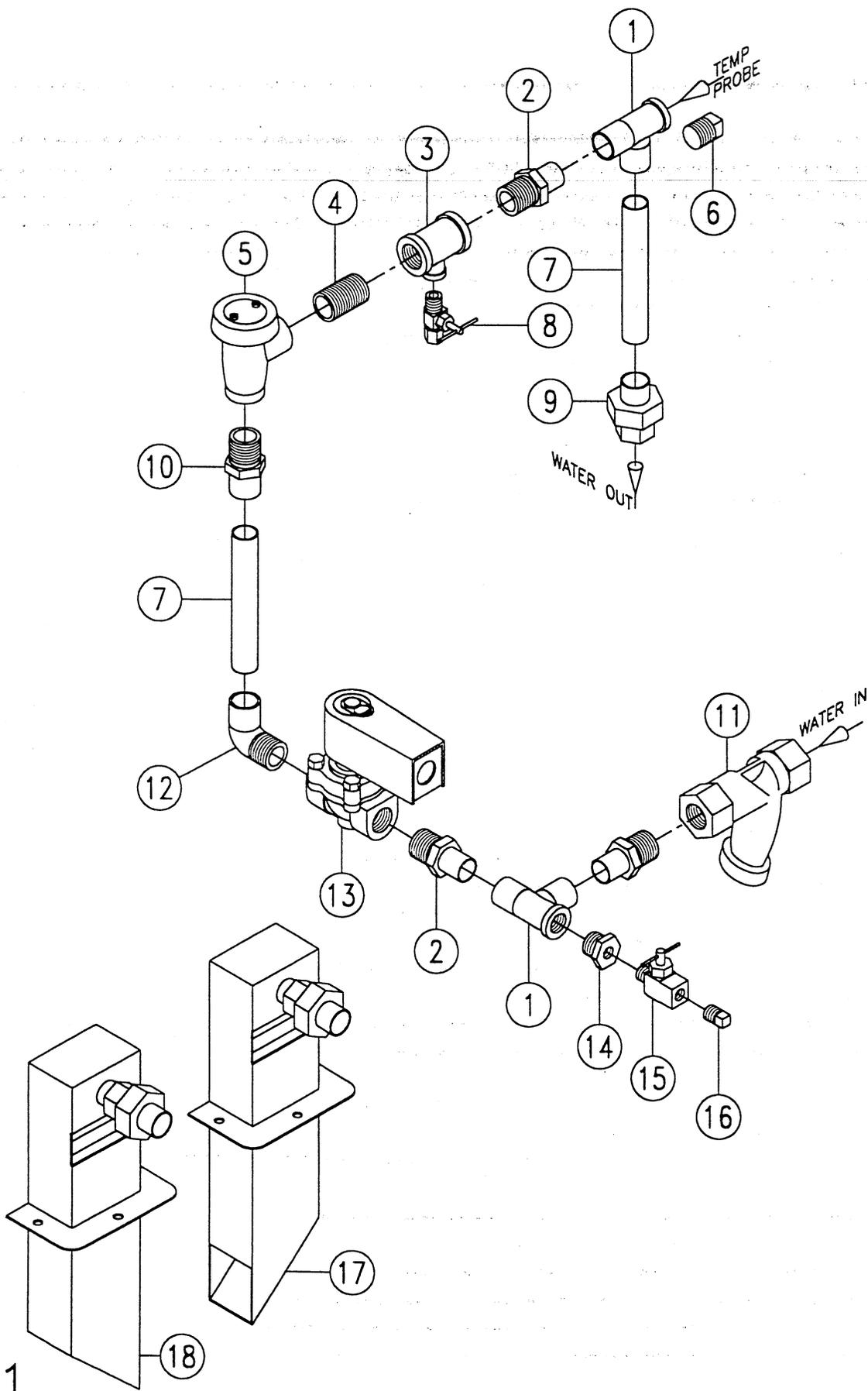


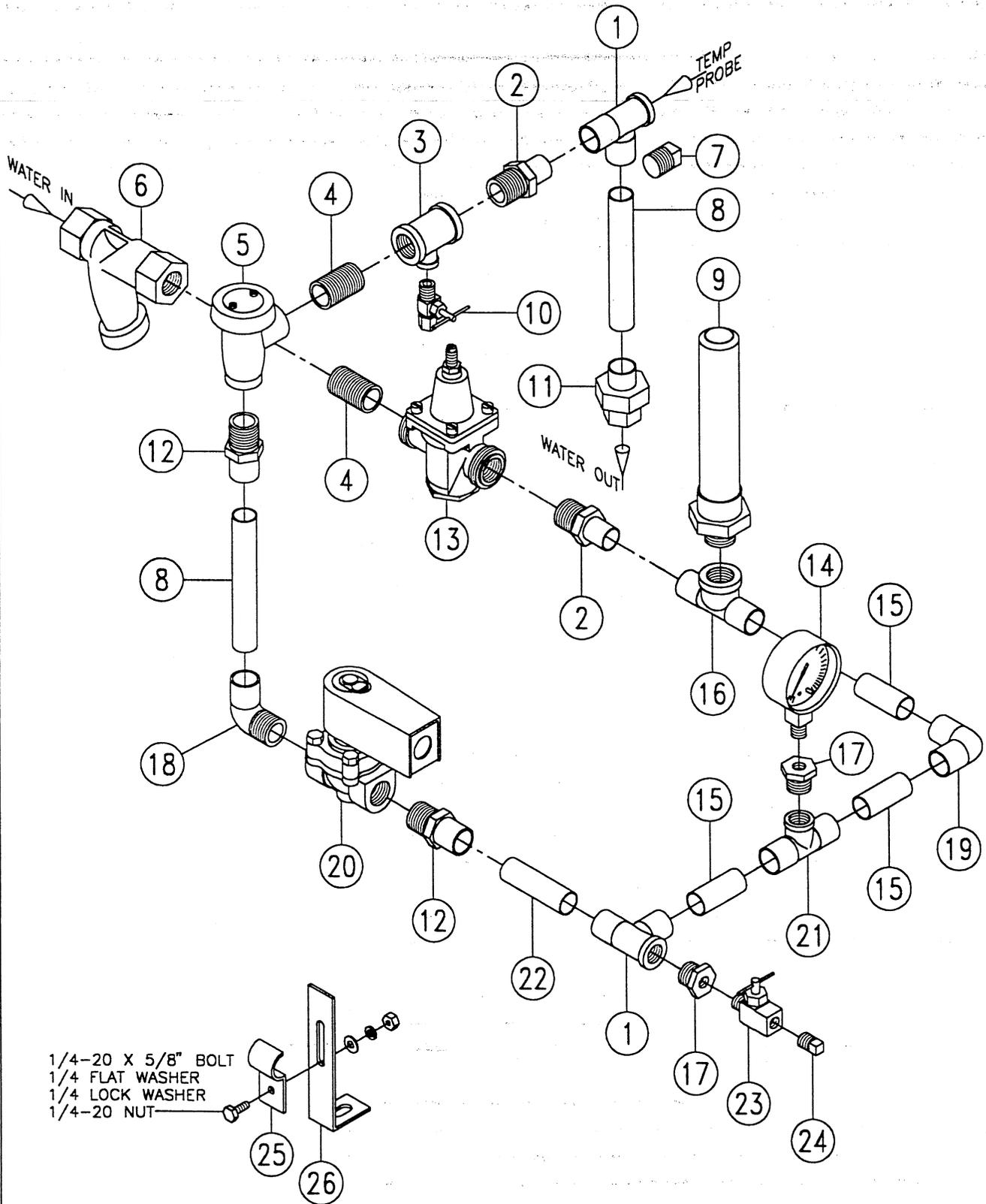










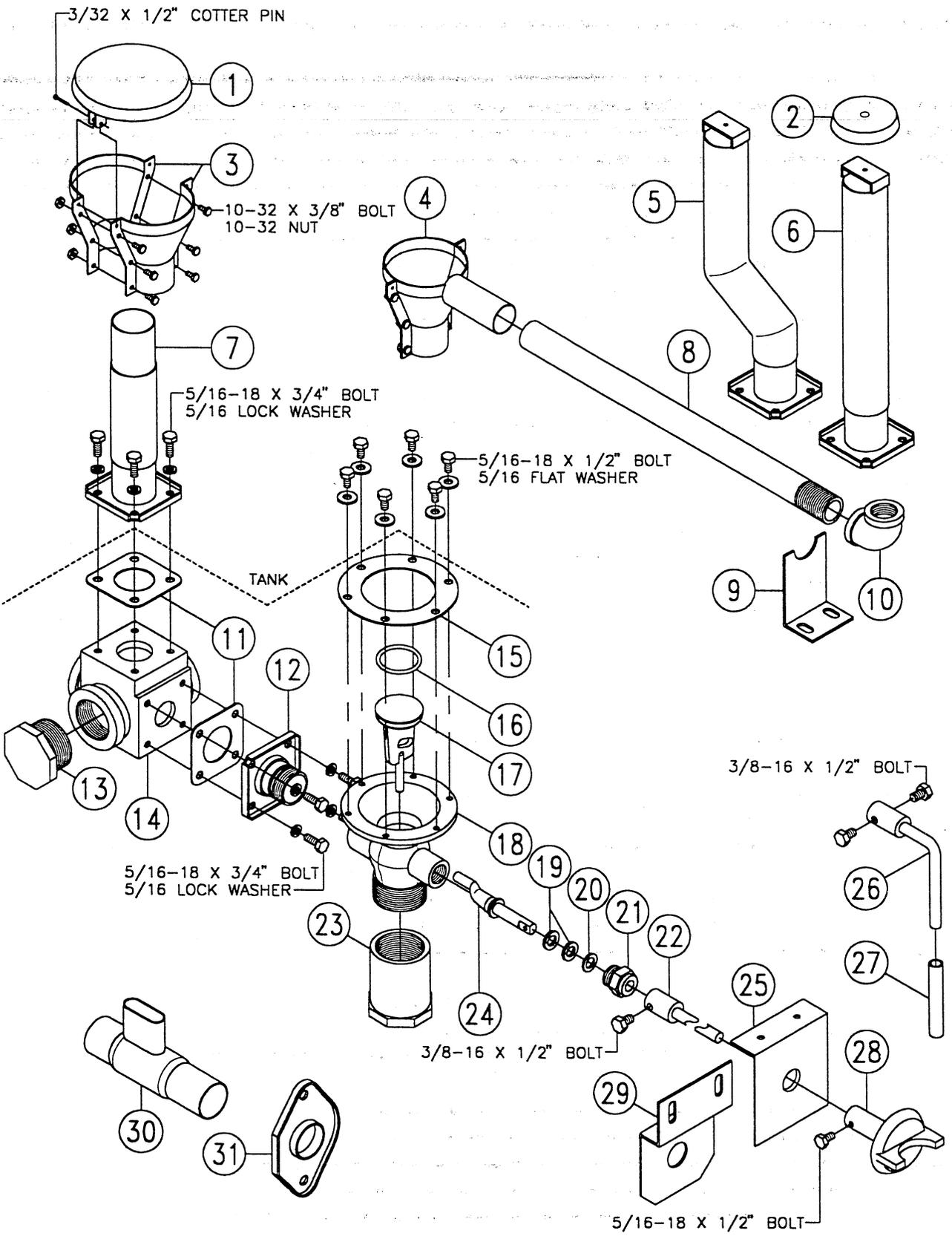


PLUMBING ASSM. WITH KIT 55

ITEM	DESCRIPTION	REMARKS	PART #
1	TEE 3/4 X 1/2 X 3/4 CXFXC		P68-1429
2	ADAPTOR 3/4 FTGXM		P68-1431
3	TEE 3/4 X 3/4 X 1/4 BRASS		P68-1463
4	NIPPLE 3/4 CLOSS BRASS		P68-1527
5	VACUUM BREAKER 3/4" COMPLETE		P62-1149
	REPAIR KIT 3/4" VACUUM BREAKER		P62-1164
6	LINE STRAINER 3/4 BRASS		P63-1115
	REPLACEMENT SCREEN 3/4		P63-1117
7	PLUG 1/2 BRASS MIP		P68-1487
8	NIPPLE COPPER 3/4 X 4-3/4		A10-3349
9	SHOCKSTOP 3/4		P62-2250
10	VALVE NEEDLE STRAIGHT 1/4 X 1/4		P68-1532
11	UNION 3/4 CXC		P68-1446
12	ADAPTOR 3/4 CXM		P68-1430
13	VALVE PRESSURE REDUCING 3/4 LPZ13		P62-1166
	REPAIR KIT PRV 3/4 OLD STYLE		P62-1167
	REPAIR KIT PRV 3/4 NEW STYLE LPZ13		P62-5518
14	GAUGE PRESSURE 2-1/2 DIA.		P65-1136
15	NIPPLE COPPER 3/4 X 1-3/4		A10-3345
16	TEE 3/4 CXCXF		P68-1448
17	BUSHING 1/2 X 1/4 BRASS MXF		P68-1534
18	ELBOW 90 3/4 CXM		P68-1466
19	ELBOW 90 3/4 CXC SHORT		P68-1440
20	COMPLETE SOL. VALVE 3/4 120 V.		P54-2815
	STEAM/HOT WATER PISTON (HV2360181)		
	COMPLETE SOL. VALVE 3/4 208/240 V.		P54-2816
	STEAM/HOT WATER PISTON (HV2360182)		
	REPLACEMENT HEAD SOL. VALVE 3/4		P54-2814
	120 V. (EVERYTHING MINUS BASE)		
	REPLACEMENT HEAD SOL. VALVE 240 V.		P54-2812
	208/240 V. (EVERYTHING MINUS BASE)		
	REPAIR KIT 3/4 PISTON SOL. VALVE		P54-2821
	(314052)		
	COIL 3/4 120 V. (2361701)		P54-2808
	COIL 3/4 208/240 V. (2361703)		P54-2825
21	TEE 3/4 X 3/4 X 1/2 CXCXF		P68-1449
22	NIPPLE COPPER 3/4 X 2-1/2		A10-3348
23	VALVE NEEDLE STR 1/4 X 1/4 MIPXFIP		P68-1511
24	PLUG 1/4 BRASS MIP		P68-1489
25	CLAMP PIPE BRACKET 3/4		A10-2021
26	BRACKET PIPE SUPPORT LONG		A10-2022

SUPPLY MACHINE MODEL & SERIAL NUMBER

84

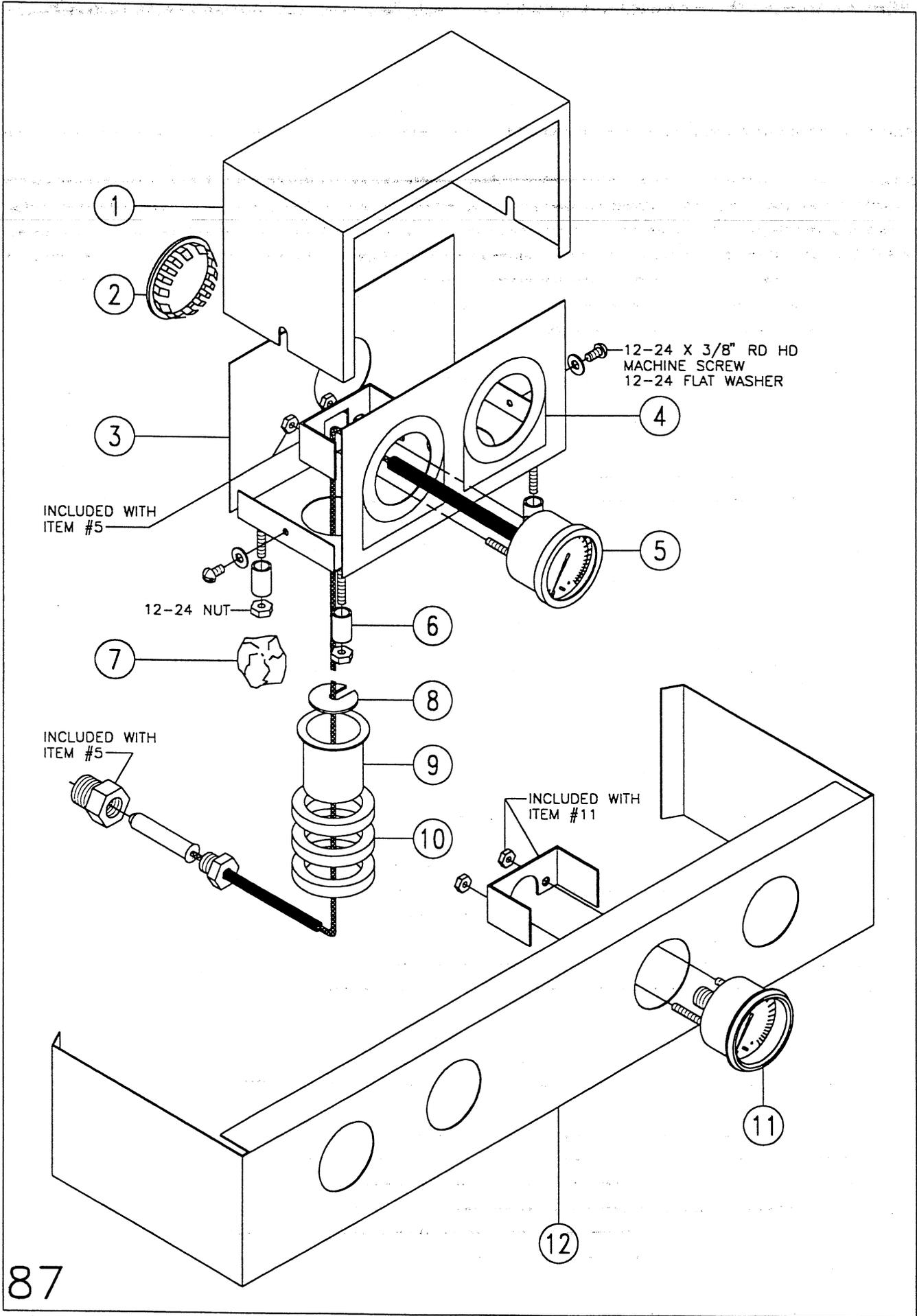


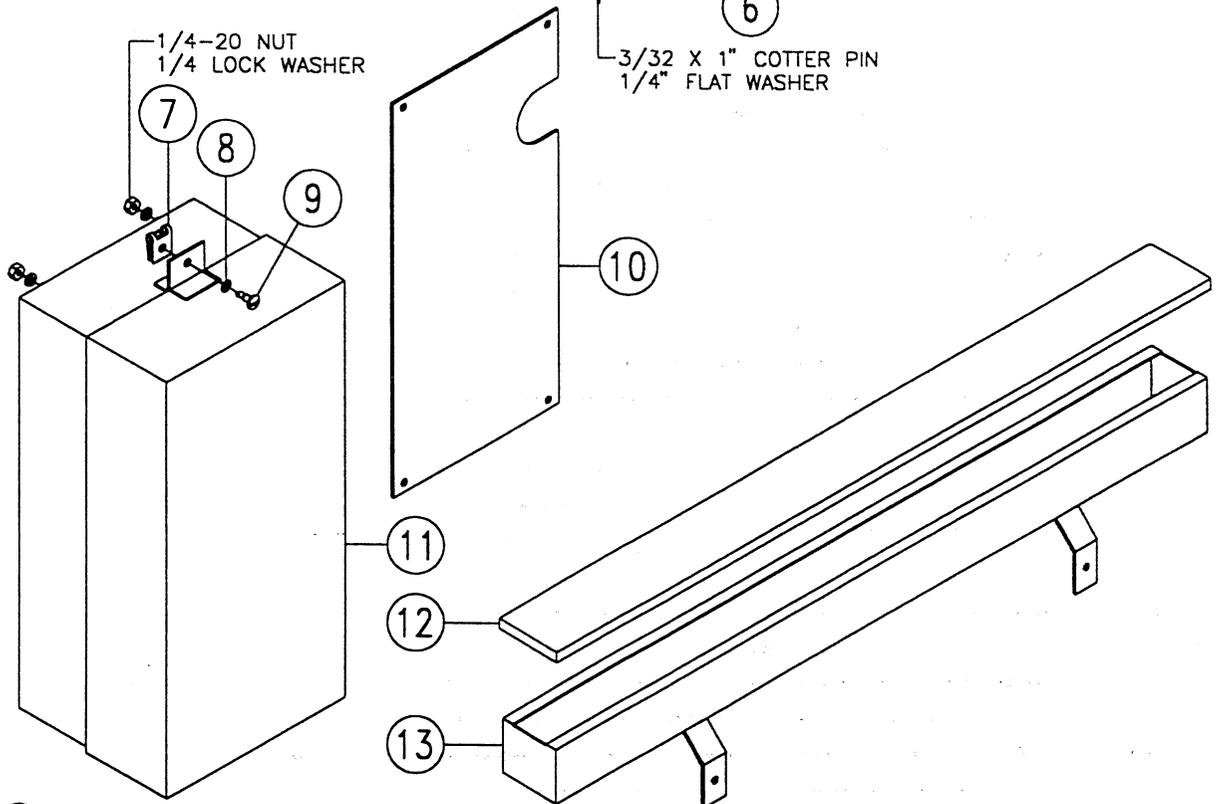
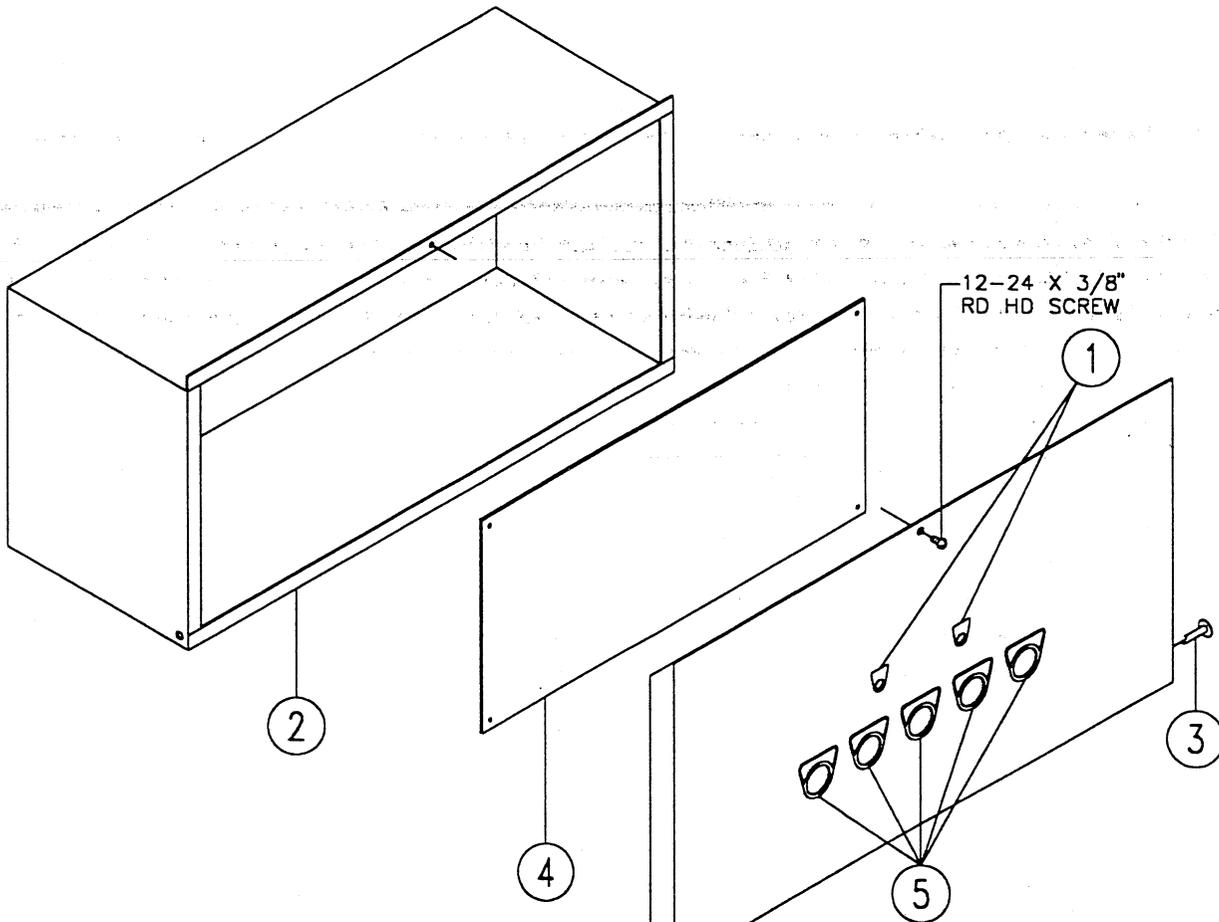
DRAIN & OVERFLOW ASSEMBLY

ITEM	DESCRIPTION	REMARKS	PART #
1	FUNNEL COVER		A10-1874
2	CAP, OVERFLOW TUBE		A10-1508
3	FUNNEL OVERFLOW ASSM. (PART # INCLUDES BOTH HALVES & HARDWARE)		A10-1873
4	FUNNEL OVERFLOW WITH SIDE OUTLET		B10-2446
5	ANGLED OVERFLOW STAND PIPE		A10-2158
6	OVERFLOW SCRAP TANK STAND PIPE		A10-2273
7	OVERFLOW STAND PIPE TO FUNNEL		A10-1889
8	PIPE, FINAL RINSE OVERFLOW 16-1/2"		A10-3698
9	BRACKET, FINAL RINSE OVERFLOW PIPE		A10-3699
10	ELBOW 90° 1" BRASS FIP		P68-1422
11	GASKET "U"	2 REQ'D	A57-1114
12	ADAPTOR ASSM. DRAIN TO OVERFLOW		A10-3305
13	PVC PLUG 2"; OVERFLOW		P68-1698
14	TEE OVERFLOW DRAIN BOX #97		B10-1871
15	GASKET "D" WASTE VALVE FLANGE		A57-1194
16	ORING #327 VITON; DRAINVALVE POPPET		P57-1057
17	VALVE & STEM WITH ORING (INCLUDES ITEM #9)		A44-1196
18	WASTE VAVLE BODY		C10-1193
19	PACKING RING; DRAINVALVE	2 REQ'D	A57-1195
20	PACKING WASHER BRASS; DRAINVALVE		A10-1183
21	PACKING NUT BRASS; DRAINVALVE		A10-1182
22	SHAFT, CROSS OVER 11-3/4" LG.		B10-2068
	SHAFT, CROSS OVER 12-1/2" LG.		B10-2909
	SHAFT, CROSS OVER 19-1/8" LG.		B10-2069
23	PVC CAP 2"; DRAINVALVE		A10-2067
24	ECCENTRIC ARM; DRAINVALVE		A10-1184
25	PLATE GUIDE SCRAPPER DRAIN VALVE		A10-2282
26	HANDLE; DRAINVALVE		A10-4732
27	SLEEVE-BLUE; DRAINVALVE HANDLE		P57-2826
28	HANDLE; DRAINVALVE #98		B10-1888
29	BRACKET, DRAIN VALVE HANDLE		B10-1927
30	TEE WASH OVERFLOW 2" PIPE		B10-2274
	TEE WASH OVERFLOW 1-5/8" PIPE		B10-2274A
31	PIPE FLANGE ADAPTER 1-5/8" HOLE		B10-3362
	PIPE FLANGE ADAPTER 2" HOLE		B10-1506
	PIPE FLANGE ADAPTER 2-1/8" HOLE		B10-3361
	OVERFLOW DRAIN TEE ASSEMBLY (INCLUDES ITEMS 1,3,7,11,12, & 14)		A10-1875
	DRAINVALVE COMPLETE ASSEMBLY (INCLUDES ITEMS 16 THRU 21 & 24)		A10-1251

SUPPLY MACHINE MODEL & SERIAL NUMBER

86



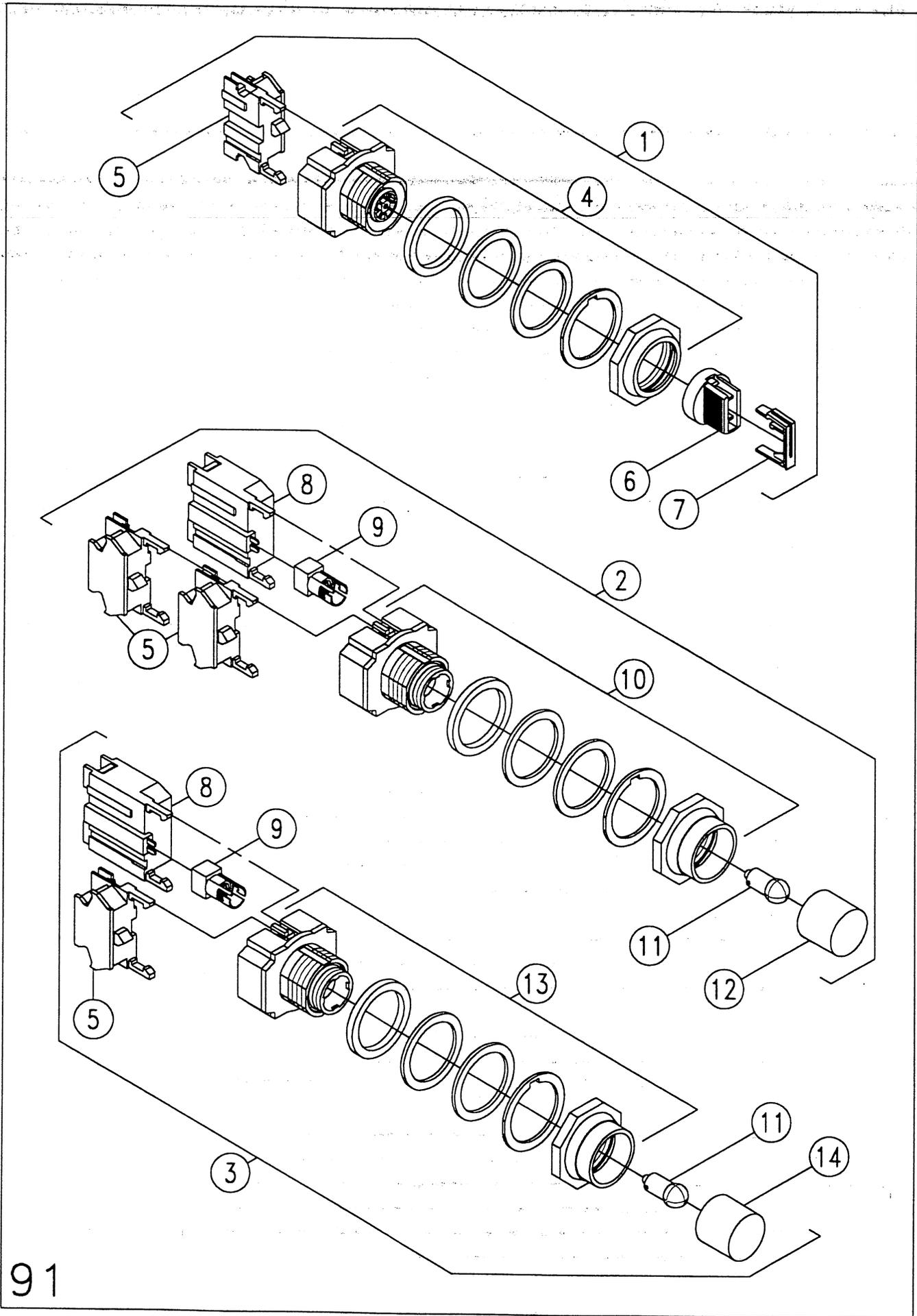


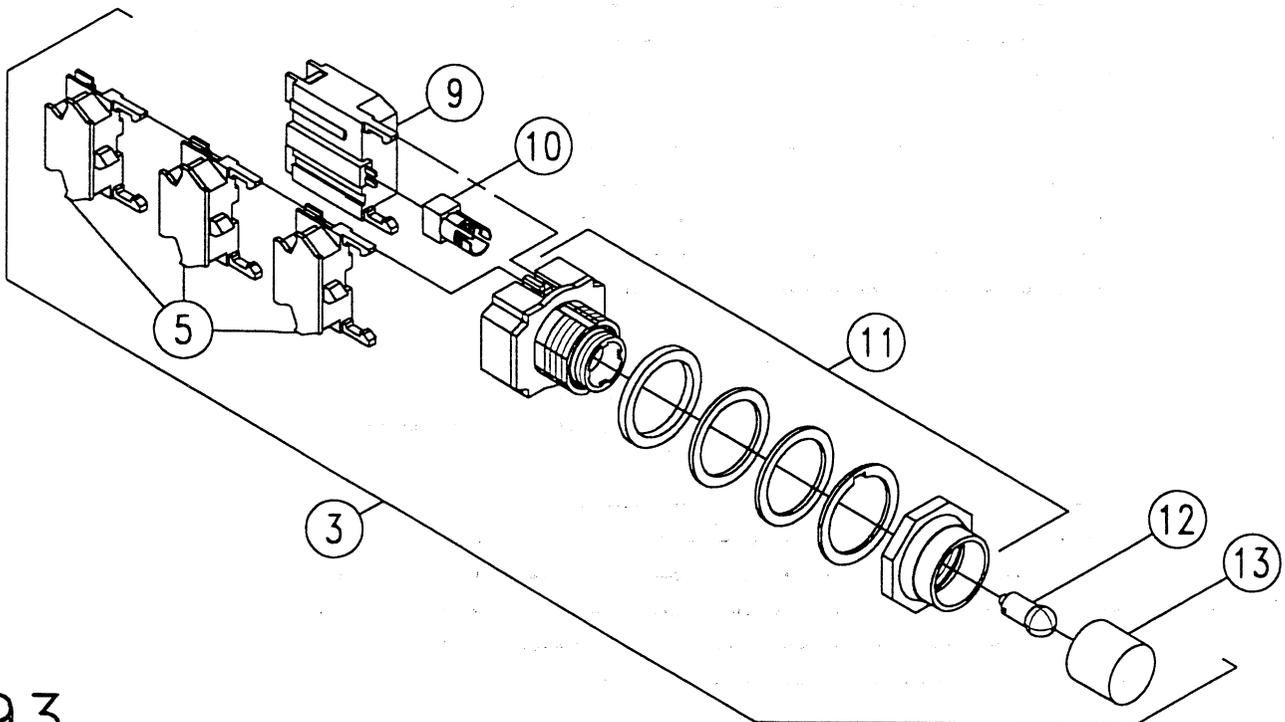
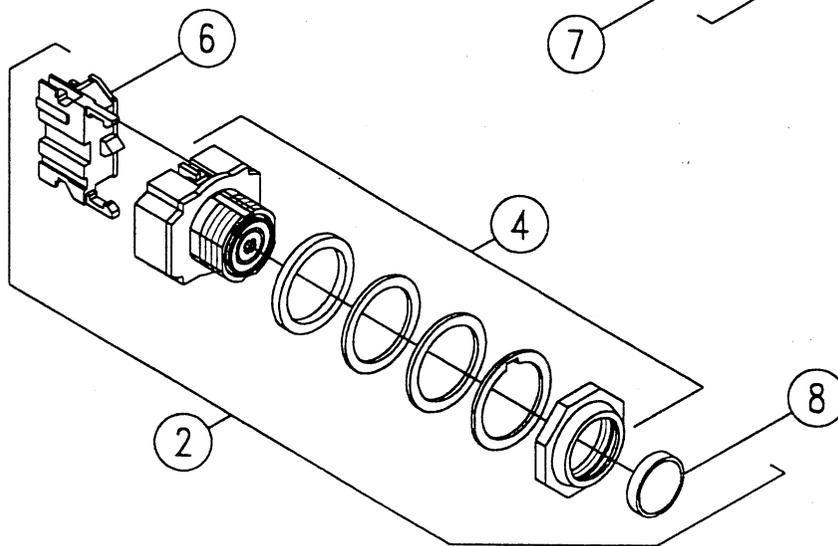
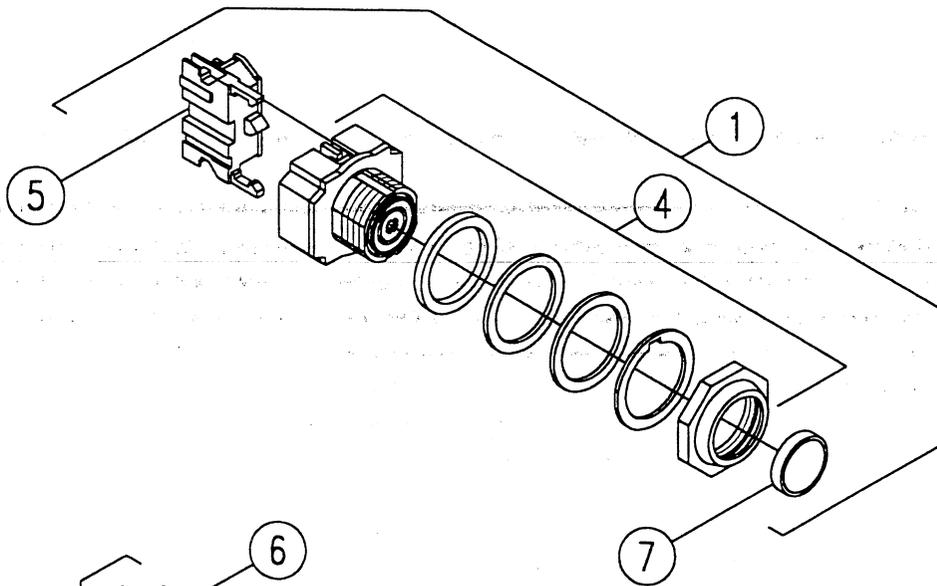
TYPICAL CONTROL BOXES

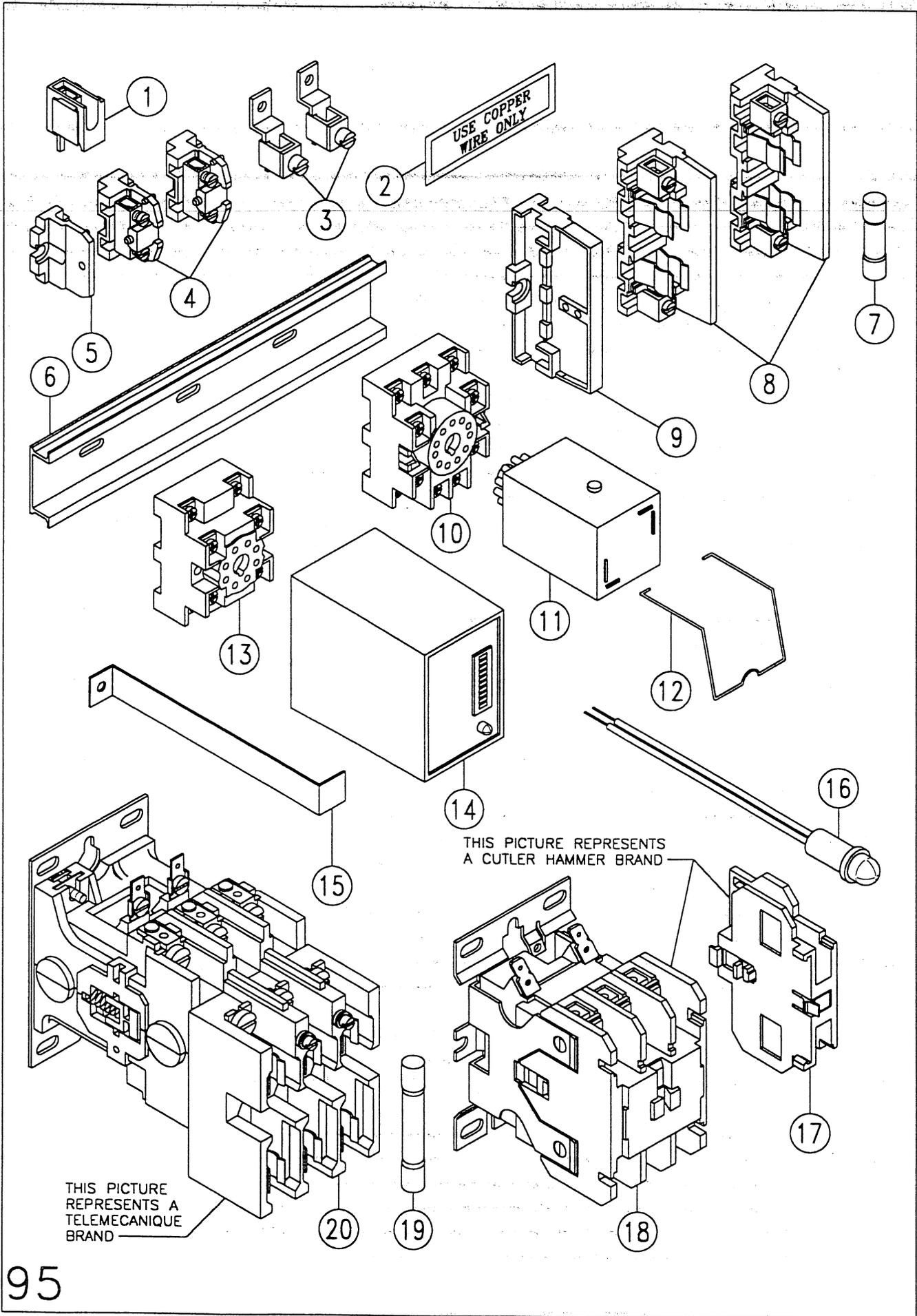
ITEM	DESCRIPTION	REMARKS	PART #	
1	DECAL, BURNER (INFRARED MACHINE)		A69-5800	
	DECAL, BLOWER (INFRARED MACHINE)		A69-5799	
2	CONTROL BOX STANDARD 22"	S# REQ'D	B10-2100	
3	ROD PIVOT PIN, CONTROL BOX DOOR		A10-2114	
4	BASE PLATE (SPECIFY SIZE)		*	
5	DECAL, SAFETY ON/OFF		A69-4148	
	DECAL, TANK FILL ON/OFF		A69-4144	
	DECAL, FILL		A69-4139	
	DECAL, TANK HEAT ON/OFF		A69-4147	
	DECAL, TANK HEAT		A69-4315	
	DECAL, WASH HEAT		A69-4316	
	DECAL, RINSE HEAT		A69-4140	
	DECAL, BOOSTER		A69-4141	
	DECAL, BOOSTER ON/OFF		A69-4143	
	DECAL, START		A69-4318	
	DECAL, STOP		B69-1429	
	DECAL, START PUMP		A69-4313	
	DECAL, STOP PUMP		A69-4314	
	DECAL, START CONVEYOR		A69-4149	
	DECAL, STOP CONVEYOR		A69-4150	
	DECAL, RUN PILOT		A69-4317	
	DECAL, RESET		A69-5833	
	6	CONTROL PANEL WITH 3 SWITCH HOLES	S# REQ'D	A10-3762
		CONTROL PANEL WITH 4 SWITCH HOLES	S# REQ'D	A10-3764
		CONTROL PANEL WITH 5 SWITCH HOLES	S# REQ'D	A10-3765
CONTROL PANEL WITH 6 SWITCH HOLES		S# REQ'D	A10-3766	
CONTROL PANEL WITH 3 SWITCH HOLES & CHEMICAL PUMP HOLES		S# REQ'D	A10-5284	
7	LATCH		P69-5783	
8	WASHER		P69-5785	
9	PIN		P69-5784	
10	PLATE CONTROL MOUNTING, FOR BOX SIZE (16" X 8" X 6-1/2")	S# REQ'D	A10-2482	
	PLATE CONTROL MOUNTING, FOR BOX SIZE (18" X 12" X 6-1/2")	S# REQ'D	A10-2485	
11	CONTROL BOX OLD STYLE (16" X 8" X 6-1/2")	S# REQ'D	C48-1314	
	CONTROL BOX OLD STYLE (18" X 12" X 6-1/2")	S# REQ'D	C48-1315	
12	COVER, ELECTRICAL GUTTER (SPECIFY SIZE)	S# REQ'D	B10-3759	
13	BOX, ELECTRICAL GUTTER ASSM. (SPECIFY SIZE)	S# REQ'D	B10-3757	

SUPPLY MACHINE MODEL & SERIAL NUMBER

90





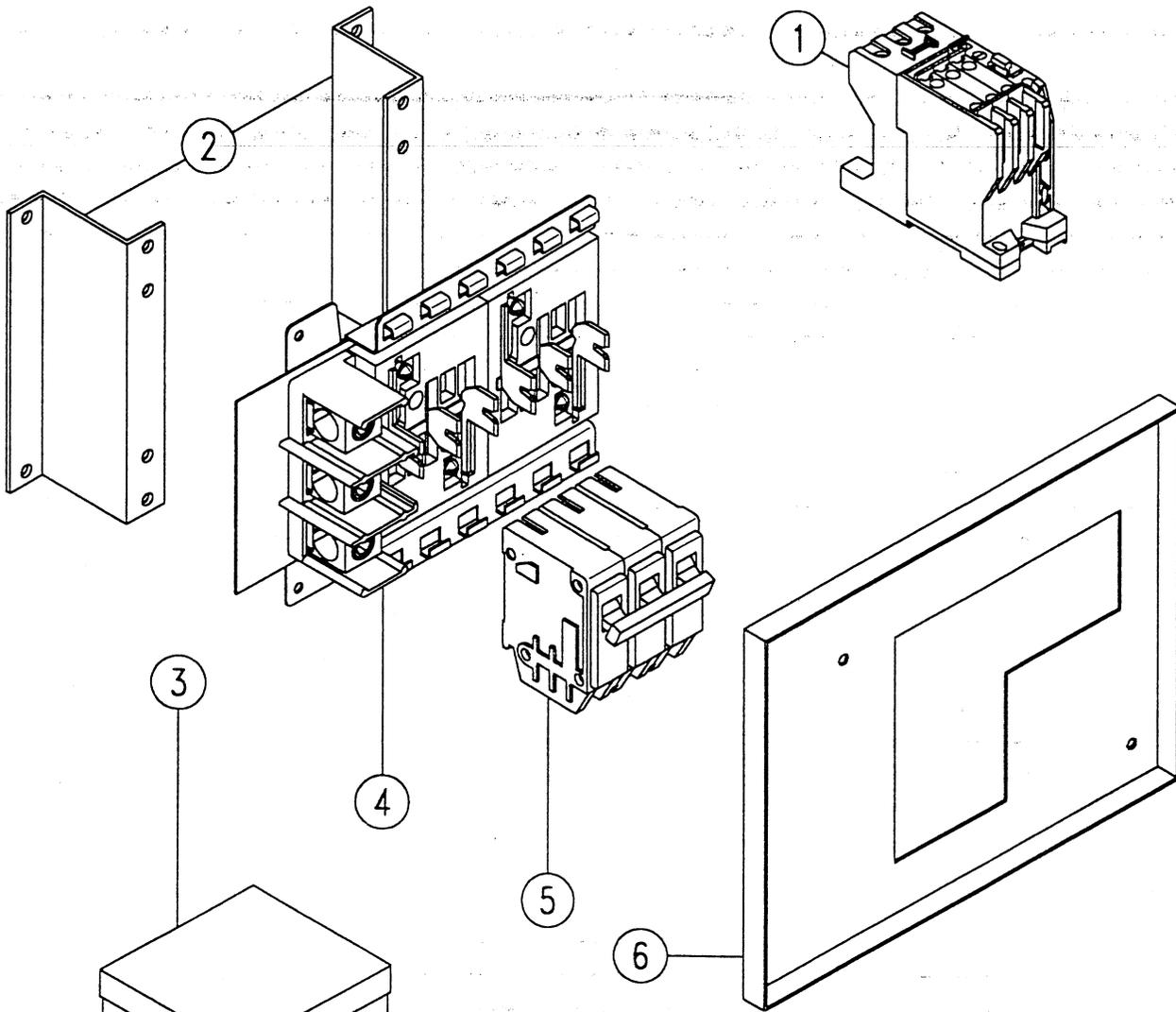


CONTROL BOX COMPONENTS

ITEM	DESCRIPTION	REMARKS	PART #
1	SECTIONAL FANNING STRIP #54		P52-2167
2	DECAL USE COPPER WIRE ONLY		A69-5449
3	GROUND LUG		P52-1156
4	TERMINAL BLOCK #524		P52-1099
5	TERMINAL END #530		P52-1100
6	DIN RAIL (SPECIFY LENGTH)		P47-1787
7	FUSE 3 AMP MAX 600V CLASS CC		P52-1854
	FUSE 5 AMP BUSS KTK-R5 CLASS CC		P52-2192
	FUSE 10 AMP MAX 600V CLASS CC		P52-1855
	FUSE 20 AMP MAX 600V CLASS CC		P52-1856
	FUSE 30 AMP MAX 600V CLASS CC		P52-1857
8	FUSE BLOCK TERMINAL SECTION		P52-1870
9	FUSE BLOCK END SECTION		P52-1871
10	RELAY SOCKET	(11 PIN)	P47-2465
11	RELAY 120 VOLT 10 AMPS 3 POLE	(11 PIN)	P47-2464
	RELAY 240 VOLT 10 AMPS 3 POLE	(11 PIN)	P47-2463
12	CLIP-RELAY HOLD DOWN		P47-2466
13	TIMER SOCKET	(8 PIN)	P47-1741
14	TIMER ADJUSTABLE 512 SEC. 115 VOLT	(8 PIN)	P46-1744
	TIMER ADJUSTABLE 512 SEC. 240 VOLT	(8 PIN)	P46-1745
15	CLIP TIMER HOLD DOWN		A10-2014
16	PILOT LIGHT, 115 VOLT		P49-5788
	PILOT LIGHT, 240 VOLT		P49-5789
17	AUXILIARY CONTACTOR 1 N/O		P47-5517
	AUXILIARY CONTACTOR 2 N/O		P47-5718
	AUXILIARY CONTACTOR 2 N/C		P47-5989
	AUXILIARY CONTACTOR 1 N/O 1 N/C		P47-5508
18	CONTACTOR 3 POLE 115 V. 25/30 AMP		P47-5494
	CONTACTOR 3 POLE 220 V. 25/30 AMP		P47-5496
	CONTACTOR 3 POLE 115 V. 30/40 AMP		P47-5500
	CONTACTOR 3 POLE 220 V. 30/40 AMP		P47-5502
	CONTACTOR 3 POLE 115 V. 40/50 AMP		P47-5504
	CONTACTOR 3 POLE 220 V. 40/50 AMP		P47-5506
	CONTACTOR 3 POLE 220 V. 50/60 AMP		P47-5511
19	FUSE 30 AMP.		P52-1747
	FUSE 35 AMP.		P52-1748
	FUSE 40 AMP.		P52-5843
	FUSE 60 AMP.		P52-1749
20	CONTACTOR FUSIBLE 2PL 120V 30AMP		P47-1819
	CONTACTOR FUSIBLE 2PL 240V 30AMP		P47-1820
	CONTACTOR FUSIBLE 3PL 120V 40AMP		P47-1821
	CONTACTOR FUSIBLE 3PL 240V 40AMP		P47-1822
	CONTACTOR FUSIBLE 3PL 120V 60AMP		P47-1823
	CONTACTOR FUSIBLE 3PL 240V 60AMP		P47-1824

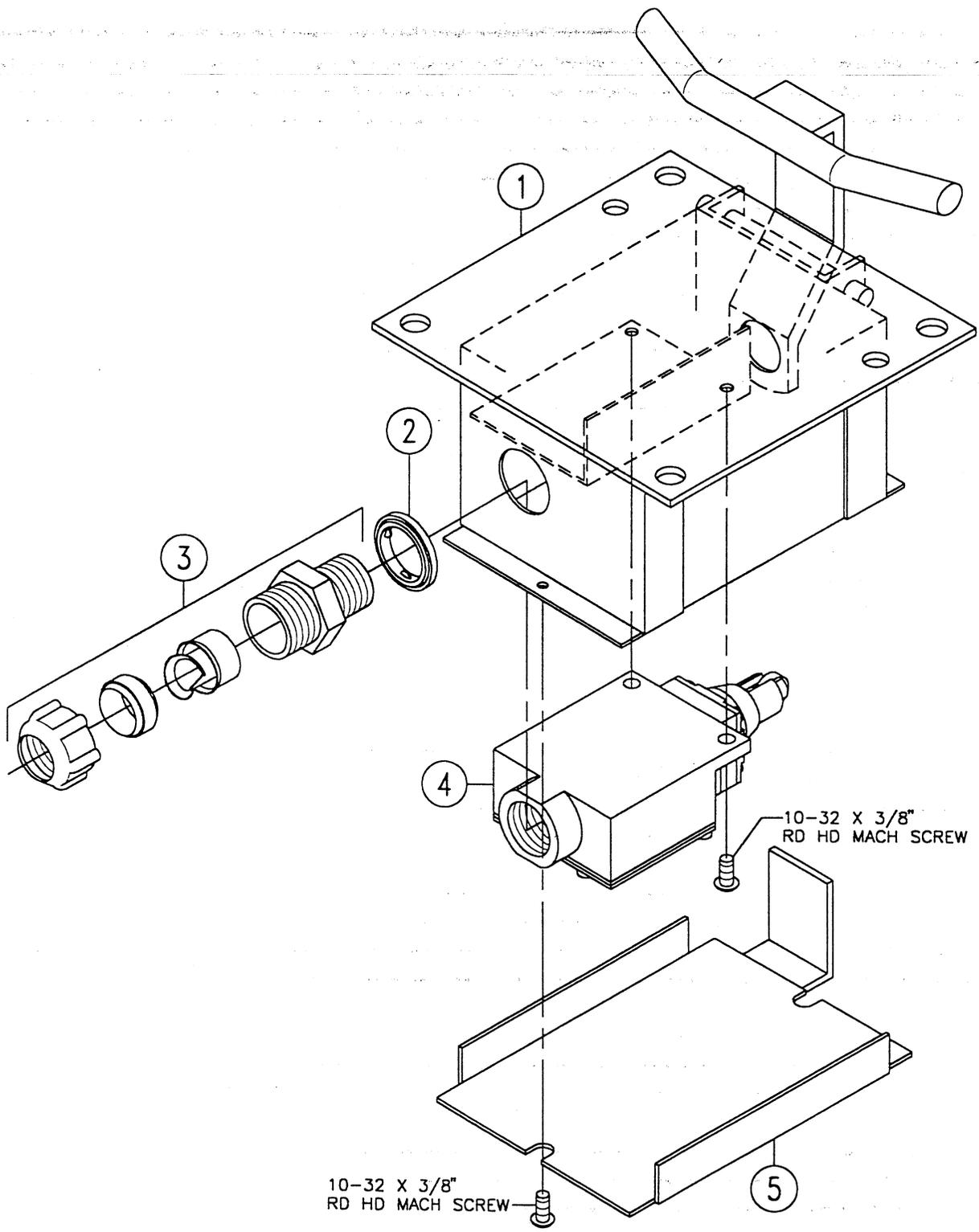
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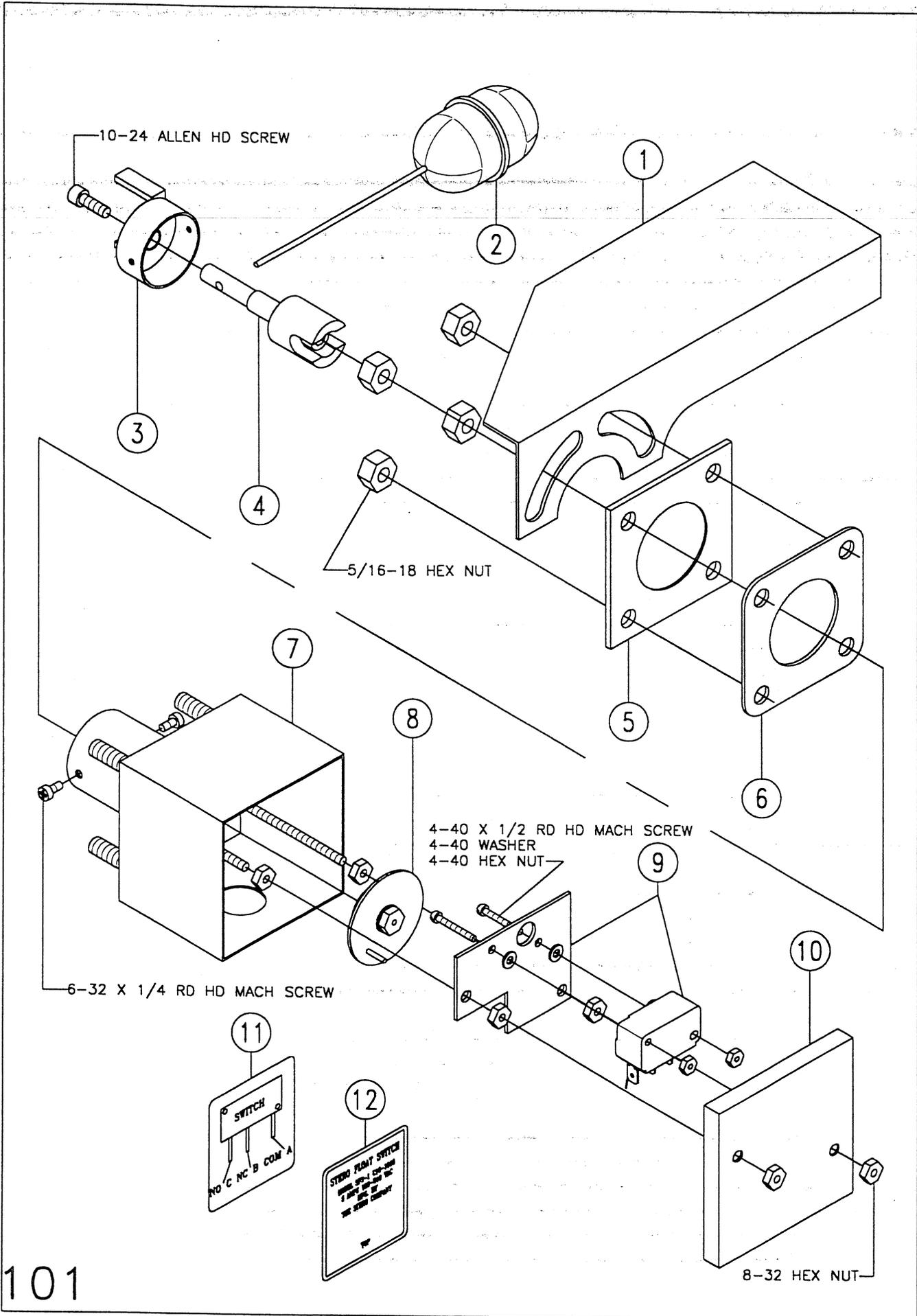
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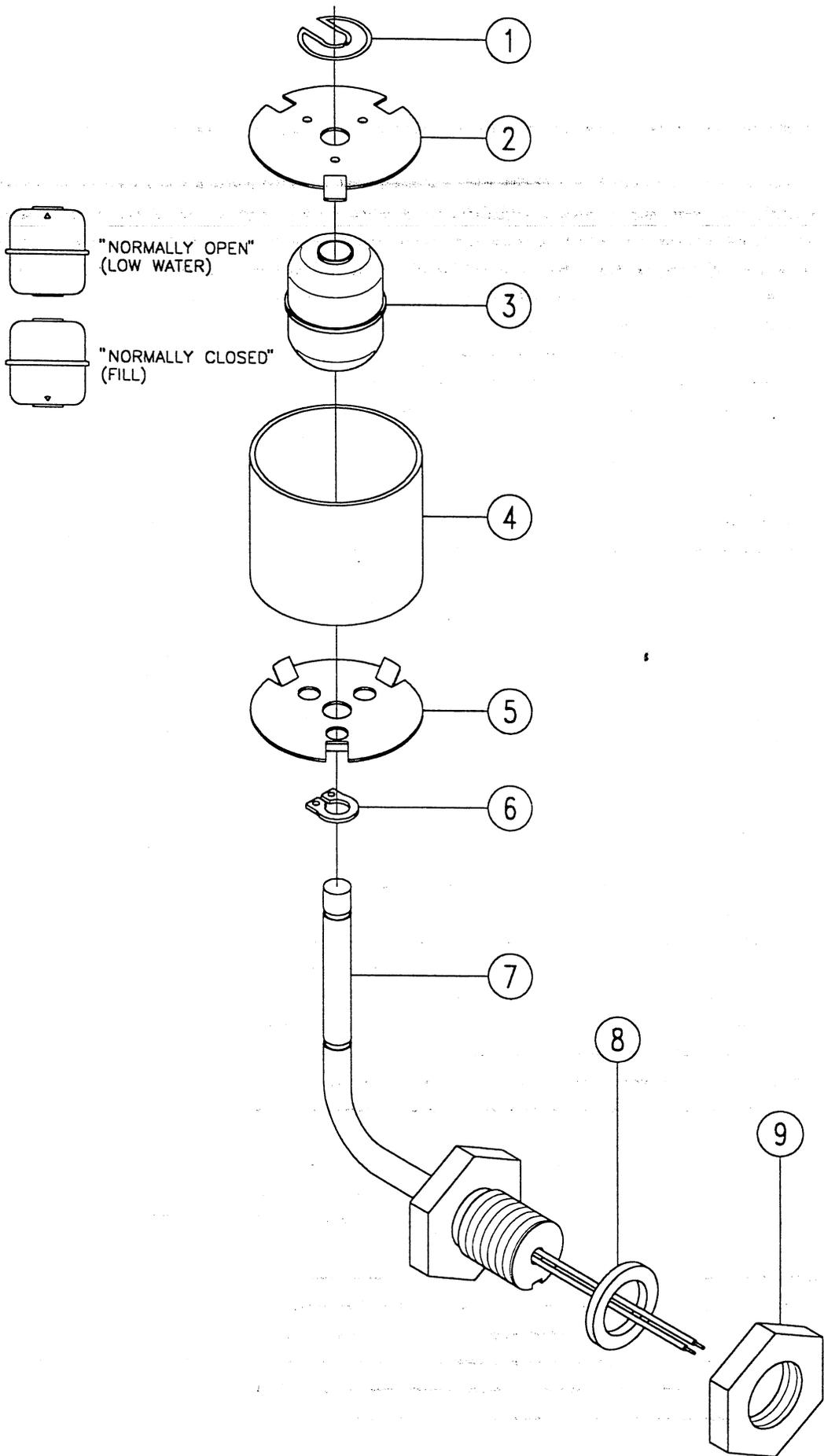


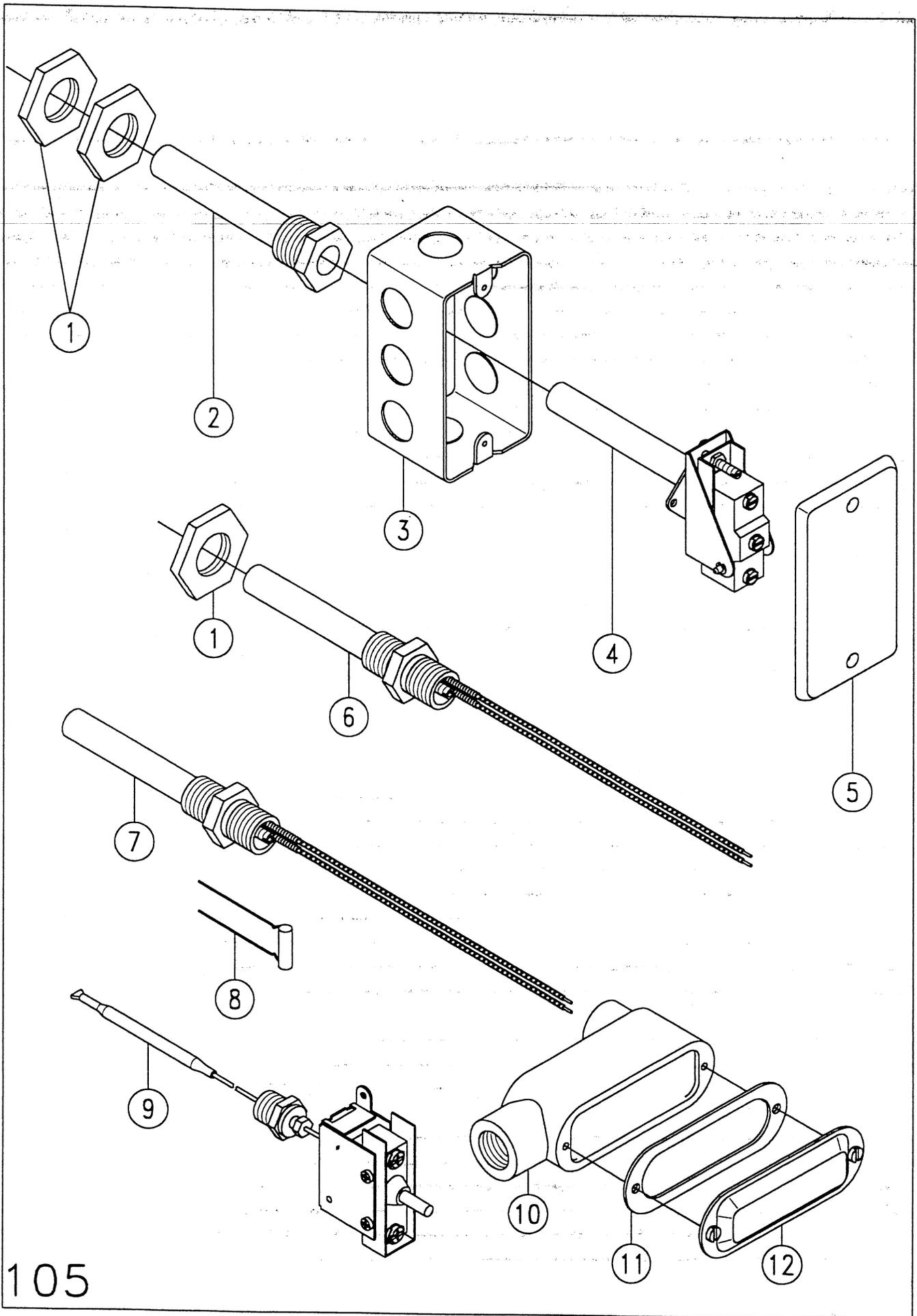
- 7 POWER SUPPLY
- 8 POWER BASE
- 9 POWER RINGS
- 10 POWER BLOWERS
- 11 POWER CENTER
- 12 FUSE SWITCHER
- 13 FUSE RINGS
- 14 TANK HEAT
- 15 BOOSTER
- 16 PUMPS
- 17 MOTORS
- 18 CONTROL
- 19 RELAY
- 20 NEW RESPONSE

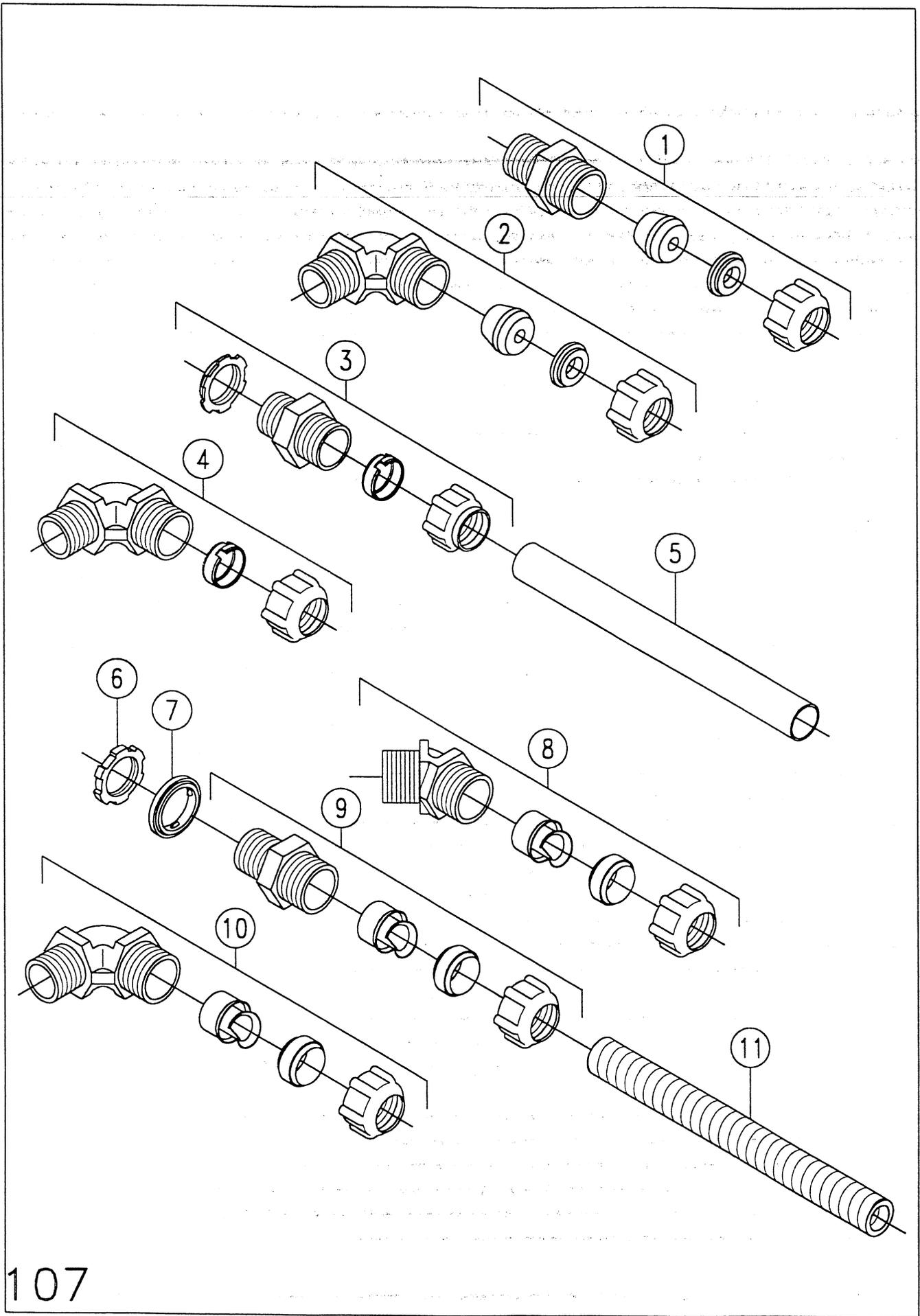
- 21 **CIRCUIT BREAKERS ENCLOSED**
- 22 **REMOVE COVER TO MAKE ELECTRICAL CONNECTION**

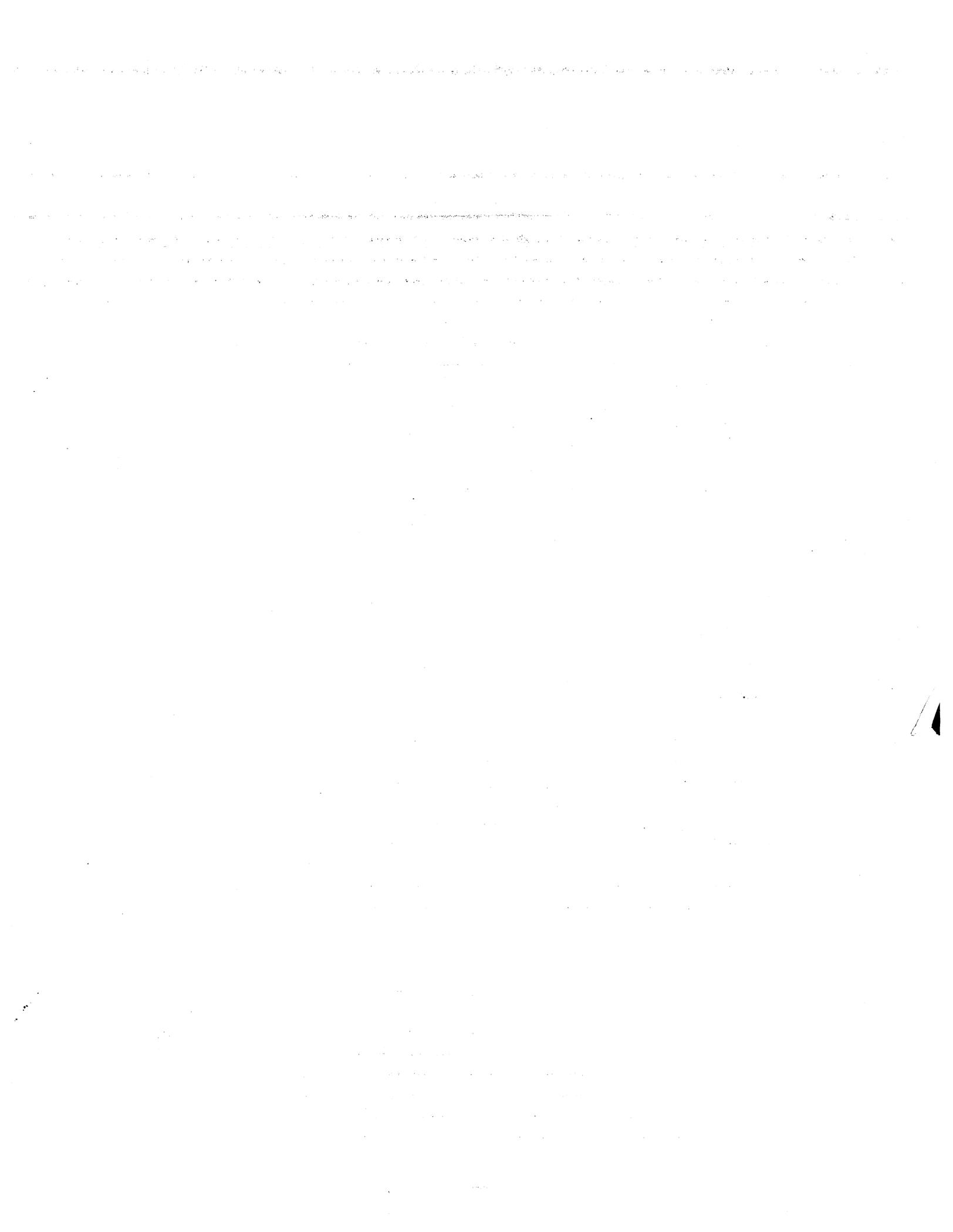


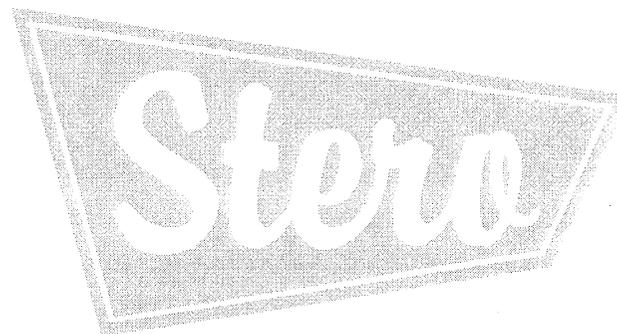












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