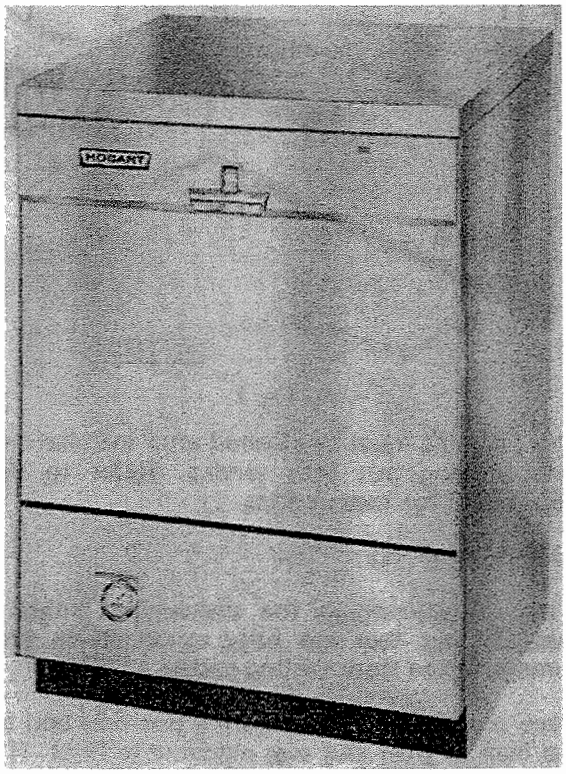
HOBART

# INSTRUCTION MANUAL

## ... with Replacement Parts




# MODELS WM-1 SERIES DISHWASHERS

(INCLUDES MOTOR PARTS)

ML-34000 - WM-1
ML-34002 - WMP-1

ML-34001 - WM-1D
ML-34003 - WMP-1D

A product of HOBART CORPORATION TROY, OHIO 45374

FORM 14004 (10-81)

# Installation, Operation and Care of WM-1 SERIES DISHWASHERS

## Save These Instructions

### GENERAL

The WM-1 series dishwashers are fully automatic, front loading machines. They are equipped with a Hobart-built, 1/2 H.P., electric motor and are available for 115 V., 60 Hz., 1 Ph. electrical service only.

Standard equipment includes two standard 20" x 20" racks, a dial thermometer, synchronous timer, pilot light, and line strainer(s).

The rack carrier will accommodate most racks from 10" x 20" (half rack) to standard 20" x 20" racks.

The WM-1 dishwasher is an undercounter model and is equipped with front panels. The WMP-1 is equipped with front, side, and top panels, as well as a gasket fitted completely around the four bottom edges to seal machine to the floor.

The WM-1D and WMP-1D dishwashers incorporate separate fill lines for wash and rinse water.

### INSTALLATION

NOTE: Immediately after unpacking, machine should be inspected for possible damage. If this machine is found to be damaged after unpacking, save the packing material and contact the shipper.

The lower front panel (1, Fig. 1) must be removed to gain access to the terminal box. Remove two screws (2, Fig. 1). Pull out bottom of panel slightly to disengage ears (3, Fig. 1); then pull panel down and out from retaining clips (4, Fig. 1) to remove.

#### LOCATION

WM-1, WM-1D

Place the machine in its operating position.

Level the machine front to back by placing a level on the frame and adjusting the feet as necessary.

To level the machine side to side, open the door, place a level on the door and adjust the feet as necessary.

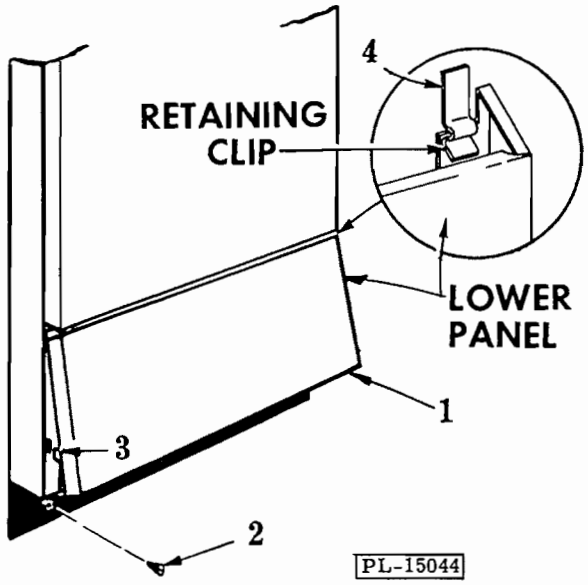



Fig. 1

This machine must be cleaned after installation and before being put into service. Refer to MAINTENANCE for instructions.

WMP-1, WMP-1D

Prior to positioning the dishwasher, make sure that all four feet are fully extended to prevent damage to the floor sealing gasket.

Place machine in its operating position and adjust the feet to level and seal machine to floor. If floor is uneven, it may be necessary to fill any cracks between gasket and floor with a silicone rubber compound (not supplied).

This machine must be cleaned after installation and before being put into service. Refer to MAINTENANCE for instructions.

#### PLUMBING

WARNING: PLUMBING CONNECTIONS MUST COMPLY WITH APPLICABLE SANITARY, SAFETY, AND PLUMBING CODES.

Fill

The minimum fill water temperature for the WM-1/WMP-1 must be 165°F. at the dishwasher.

The minimum fill water temperatures for the WM-1D/WMP-1D must be 150° F. for the wash water and 180° F. for the rinse water.

Flow pressure must be 15-25 P.S.I. **If flow pressure exceeds 25 P.S.I., a pressure reducing valve (not supplied) must be installed in the supply line(s).**

A 1/2" line strainer (supplied) must be installed in each supply line.

A manual shutoff valve(s) (not supplied) should be installed in the supply line to accommodate servicing of the machine.

Connect the fill line(s) using the 1/2" female connection(s) (Fig. 2) provided on dishwasher.

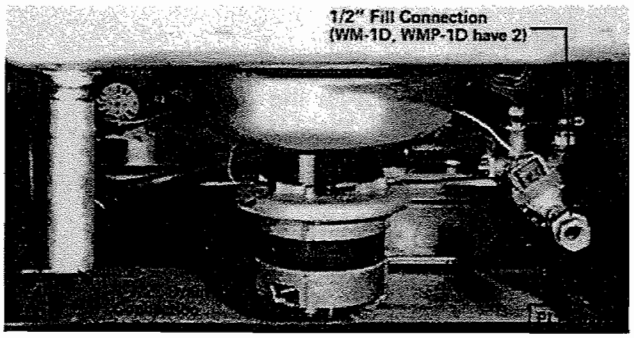



Fig. 2

### Drain

Drain height must be no more than 10" above base of machine.

A 1-1/2" connection (Fig. 2) is provided for the drain which should be connected through a "P" trap (not supplied). Drain must have a minimum flow capacity of 10 gallons per minute.

### ELECTRICAL CONNECTIONS

Before making electrical connections, check the specifications on the data plate (Fig. 3) to assure they agree with those of your electrical service.

**WARNING: ELECTRICAL AND GROUNDING CONNECTIONS MUST COMPLY WITH THE APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES.**

**WARNING: DISCONNECT ELECTRICAL POWER SUPPLY AND PLACE A TAG AT DISCONNECT SWITCH INDICATING CIRCUIT IS BEING WORKED ON.**

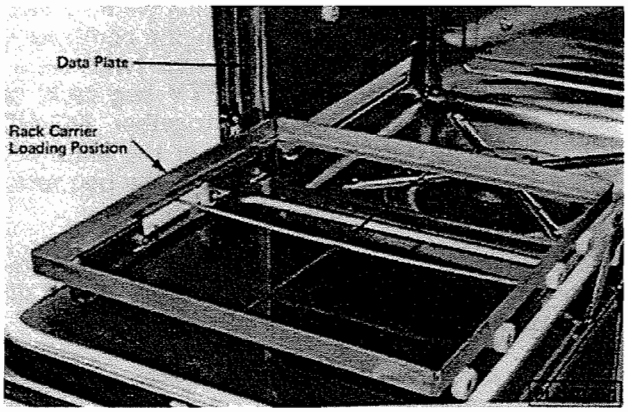



Fig. 3

BRANCH CIRCUIT SIZE AND PROTECTION

DUAL ELEMENT TIME-DELAY FUSE

| Volts | Phase | Minimum Circuit Ampacity | Maximum Fuse Size | 60°C Copper Wire Size |
|---|---|---|---|---|
| 115 | 1 | 15 | 15 | 14 |

INVERSE TIME CIRCUIT BREAKER

| Volts | Phase | Minimum Circuit Ampacity | Maximum Circuit Breaker Size | 60°C Copper Wire Size |
|---|---|---|---|---|
| 115 | 1 | 15 | 15 | 14 |

Remove the terminal box cover. A hole, for a 1/2" electrical strain relief is supplied in the bottom of the terminal box.

Connect the **white** lead to terminal **L2** of the terminal block. Connect the **black** lead to terminal **L1**. Connect **green** lead to terminal GND. Replace terminal box cover and front panel.

## OPERATION

Thoroughly scrape the dishes to remove particles of food and debris.

When racking dishes, do not stack one on top of another as water must have free access to both sides of every dish.

Stand plates and flat dishes edgewise in the peg rack.

Cups, glasses, and bowls should be placed open-side down in the combination rack.

Knives, forks, spoons, and other small items should be scattered loosely over the bottom of the

combination rack. To help prevent water pressure from forcing light objects out of the combination rack, it is advisable to place this rack (with ware to be washed) on top of an EMPTY peg rack, and place both racks in dishwasher together. DO NOT try to wash two racks of dishes at the same time. When using the combination rack, the peg rack is to be used as a spacer only.

Unlatch and open the door and slide the rack carrier out (Fig. 3). Place rack on carrier and slide them into dishwasher.

Deposit approximately one tablespoon of the proper commercial detergent onto the inside door panel before closing door.

NOTE: Consult a local detergent supplier for the type and quantity of detergent best suited for your locality.

Close door and latch handle. The pilot light (Fig. 4) will glow until cycle is completed. If it is necessary to open the door during operation, unlatch door handle, wait for pump to stop, and open door. When the door is closed and latched, cycle will automatically resume where it was interrupted.

When the cycle is completed, the pilot light will go out. Unlatch and open door. Slide the clean rack out, remove it, and the dishwasher is ready for a repeat operation.

The thermometer (Fig. 4) is provided for convenience in checking the incoming water temperature and should be monitored occasionally to assure

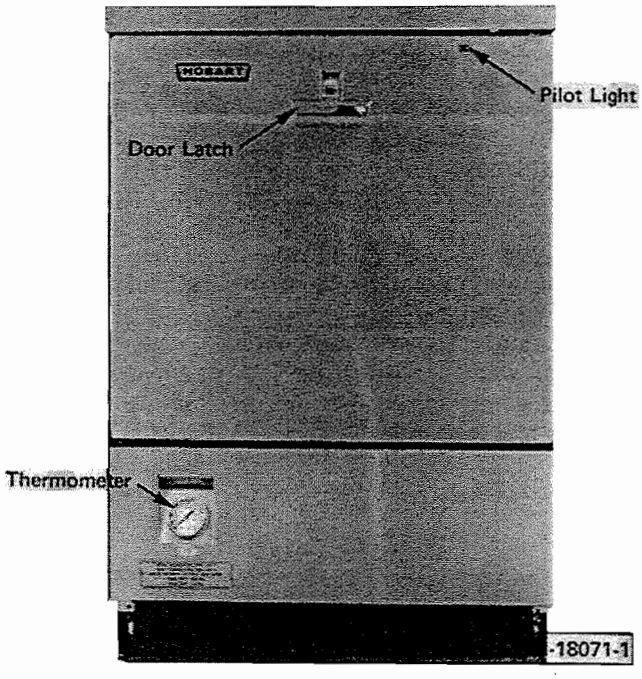



Fig. 4




Fig. 5

that the dishwasher is being supplied with the proper minimum temperature(s).

## MAINTENANCE

### CLEANING

To clean machine, open the door and slide the rack carrier out. Lift off the wash arm assembly by the hub (Fig. 5), not by any of the arms, and remove the strainer assembly (Fig. 5). Clean both in a sink.

With a damp cloth, wipe the interior and exterior of machine. Reinstall the filter and wash arm. Leave the door ajar overnight to allow machine to dry and air out.

Several days after installation, and periodically thereafter, the line strainer should be cleaned. Turn off water supply, remove strainer cap, withdraw and clean screen. Reassemble line strainer and turn on water supply.

### DELIMING

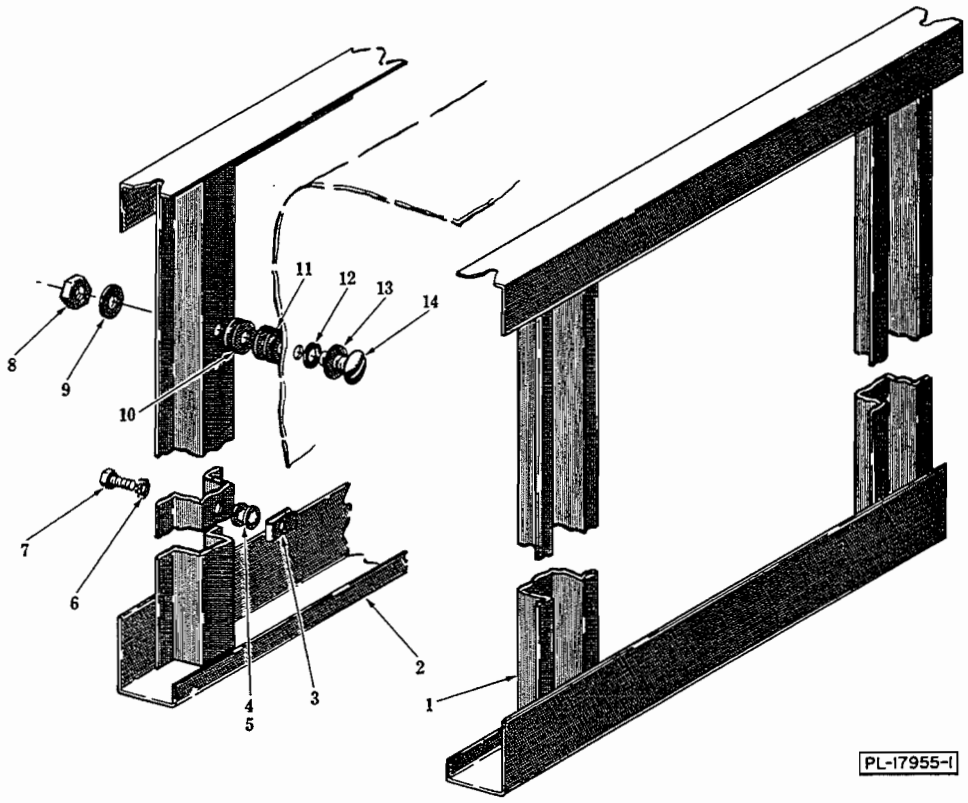
Occasionally it may be necessary to delime this dishwasher. The frequency will depend on mineral content of the water being used.

Inspect machine interior for lime deposits and if machine needs to be delimed, use a deliming agent (such as Lime Away or LSR) and carefully follow supplier's instructions.

**CAUTION: Do not allow deliming agent to remain in machine longer than recommended. After deliming, machine should be run through a cycle with no dishes in order to rinse and flush machine interior.**

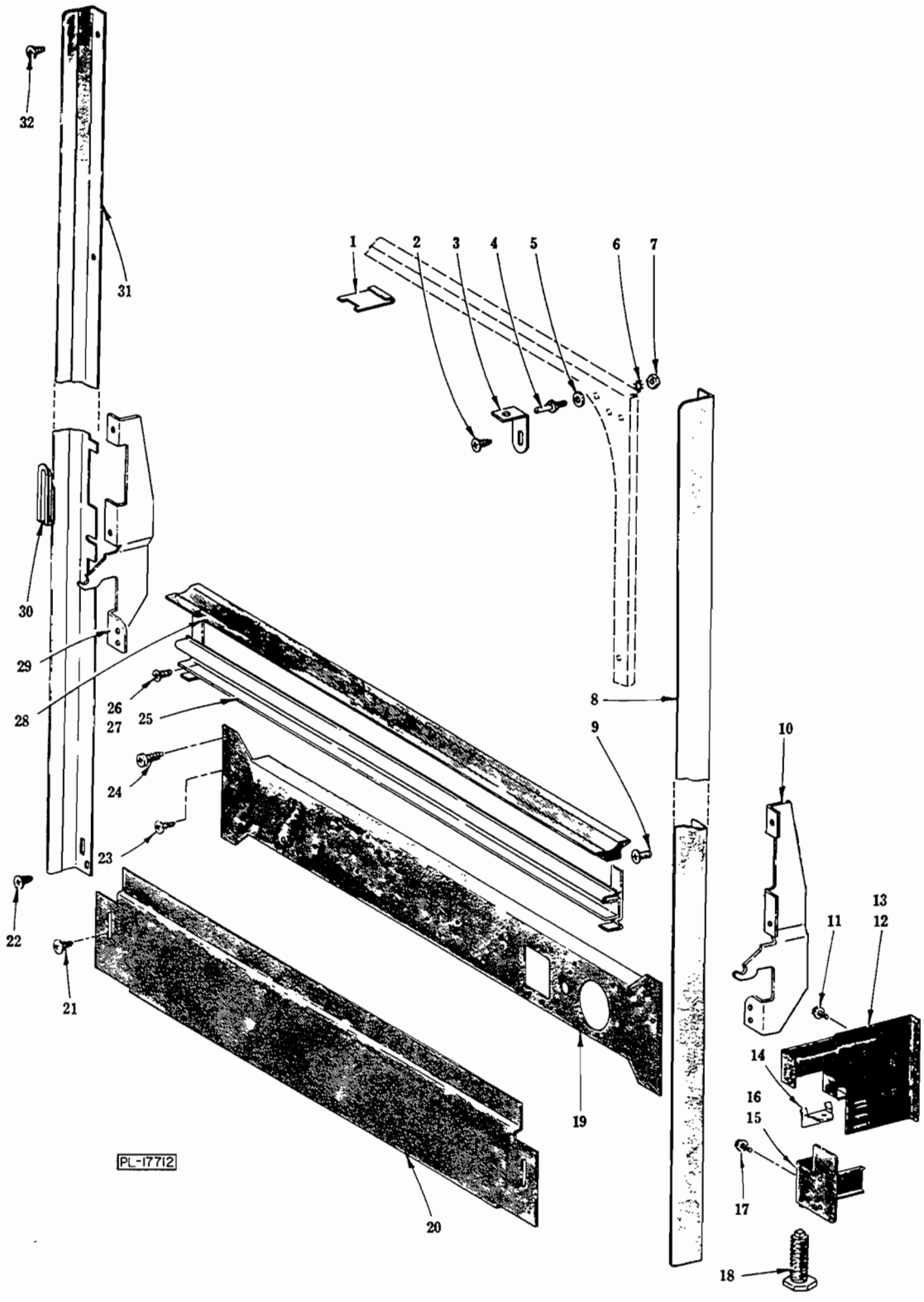
### LUBRICATION

The motor has grease-packed ball bearings and no lubrication maintenance is required for this machine.




## FRAME

| ILLUS. PL-17955-1 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | D-110768 | R.H. Frame Assy | 1 |
| 2 | D-110767 | L.H. Frame Assy | 1 |
| 3 | A-109867 | Speed Nut - #10-32 | 4 |
| 4 | C-240556-1 | Spacer - Lower Tank (.031" Thk.) | AR |
| 5 | C-240556-2 | Spacer - Lower Tank (.047" Thk.) | AR |
| 6 | WL-7-12 | Lock Washer - #10 Ext. Shakeproof | 4 |
| 7 | SC-95-11 | Mach. Screw - #10-32 x 9/16" Hex Hd | 4 |
| 8 | NS-17-63 | Jam Nut - 7/16"-20 Hex Fin | 4 |
| 9 | WL-4-8 | Lock Washer - 7/16" Light | 4 |
| 10 | WS-21-5 | Washer - Shim (1/32" Thk.) | AR |
| 11 | M-84297 | Washer - Shim (3/64" Thk.) | AR |
| 12 | D-67500-56 | "O" Ring | 4 |
| 13 | M-101671 | Seal - Support Screw | 4 |
| 14 | B-103864 | Screw - Tank Support | 4 |

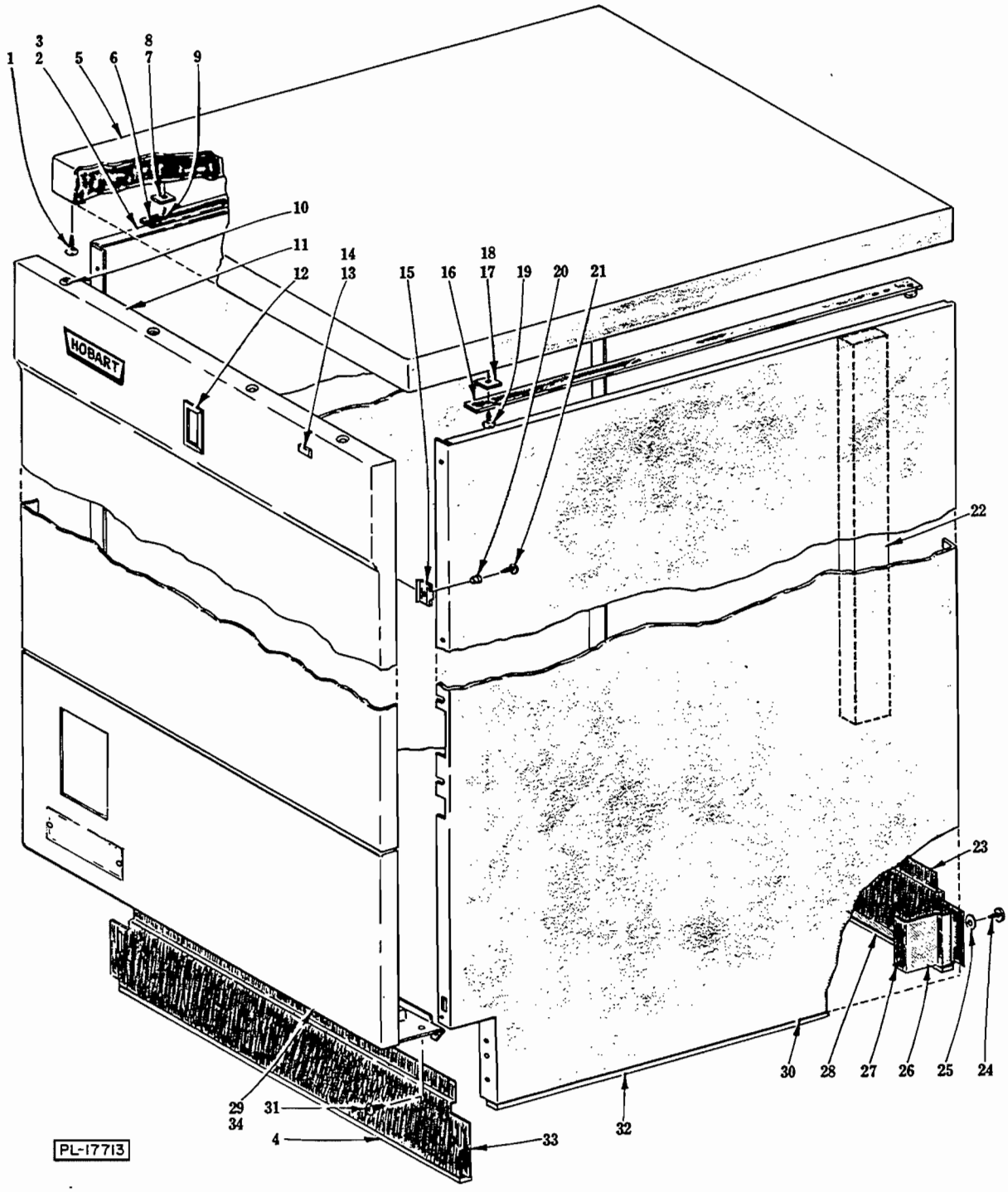



TRIM AND CHANNEL UNIT

## TRIM AND CHANNEL UNIT

| ILLUS. PL-17712 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | P-81218 | Keeper - Latch (Form at Assy.) | 1 |
| 2 | SD-26-9 | Self-Tapping Screw - #10 x 1/2" Phil. Truss Hd., Type AB | 2 |
| 3 | C-240412-2 | Bracket - Top Panel Anchor | 2 |
| 4 | M-82079 | Stud - Safety Switch | 1 |
| 5 | WS-19-34 | Washer (Fiber) | 1 |
| 6 | WL-7-12 | Lock Washer - #10 Ext. Shakeproof | 1 |
| 7 | NS-9-30 | Mach. Nut - #10-32 Hex | 1 |
| 8 | S-88810 | Trim - Tank (R.H.) | 1 |
| 9 | SC-110-88 | Mach. Screw - #10-32 x 1/4" Phil. Truss Hd | 4 |
| 10 | C-110364 | Bracket - Hinge (R.H.) | 1 |
| 11 | SA-16-6 | Screw & Washer Assy. - #10 x 3/8" Slot. Hex Hd., Type AB | 4 |
| 12 | D-115799 | Bracket - Lower Panel Mounting (R.H.) | 1 |
| 13 | D-115800 | Bracket - Lower Panel Mounting (L.H.) (Not Shown) | 1 |
| 14 | A-105529 | Bracket - Spring Anchor | 2 |
| 15 | C-115790 | Support - Kickboard (R.H.) | 1 |
| 16 | C-115791 | Support - Kickboard (L.H.) (Not Shown) | 1 |
| 17 | SA-16-6 | Screw & Washer Assy. - #10 x 3/8" Slot. Hex Hd., Type AB | 2 |
| 18 | A-116011 | Foot - Leveling Bolt | 4 |
| 19 | S-88039 | Channel - Front Cross (Frame) | 1 |
| *20 | S-101855-1 | Kickboard | 1 |
| 21 | SD-17-18 | Self-Tapping Screw - #10 x 1/2" Phil. Truss Hd., Type AB | 2 |
| 22 | SD-17-4 | Self-Tapping Screw - #6 x 3/8" Phil. Rd. Hd., Type AB | 2 |
| 23 | SD-17-14 | Self-Tapping Screw - #10 x 1/2" Phil. Truss Hd., Type AB | 2 |
| 24 | A-103099 | Self-Tapping Screw - #10-16 x 5/8" Phil. Pan Hd., Special | 4 |
| 25 | C-122328 | Evaporation Channel & Panel Retainer Assy | 1 |
| 26 | SC-66-22 | Mach. Screw - #10-32 x 3/8" Phil. Truss Hd | 2 |
| 27 | WS-19-34 | Washer (Fiber) | 2 |
| 28 | P-72806 | Channel - Evaporation | 1 |
| 29 | C-110365 | Bracket - Hinge (L.H.) | 1 |
| 30 | C-88044 | Bearing - Door Stop Insert | 2 |
| 31 | S-88811 | Trim - Tank (L.H.) | 1 |
| 32 | SD-26-9 | Self-Tapping Screw - #10 x 1/2" Phil. Truss Hd., Type AB | 4 |

*WM.

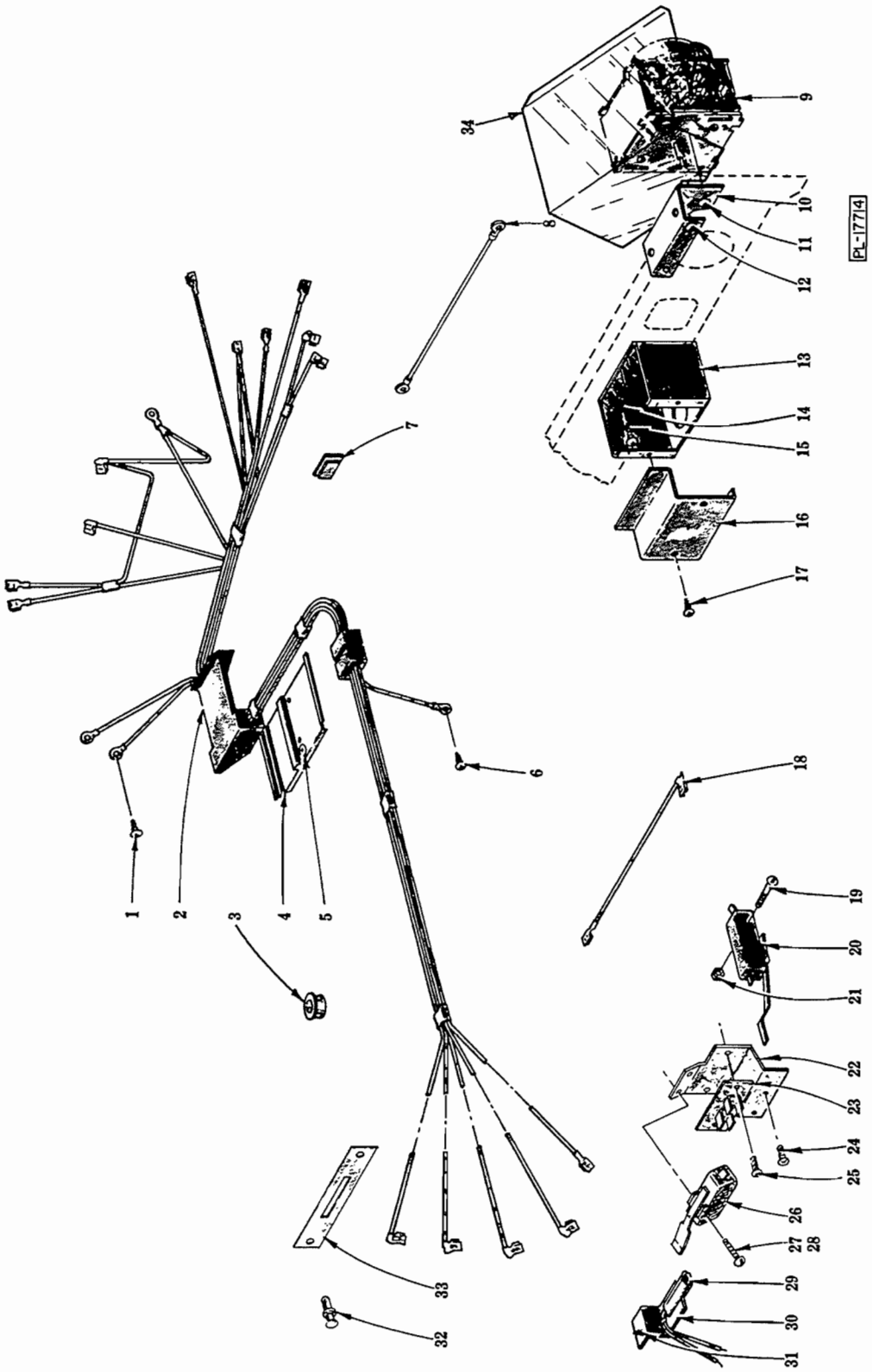



TOP AND PANEL UNIT

## TOP AND PANEL UNIT

| ILLUS. PL-17713 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| *1 | SW-10-4 | Wood Screw - #10 x 3/4" Phil. Flat Hd | 2 |
| *2 | E-113887-1 | Side Panel & Seal Assy. (L.H.) (Incls. item #3) | 1 |
| *3 | B-113873-1 | Seal (Side Panel) (21-3/16" Lg.) | 1 |
| *4 | B-113873-2 | Seal (Kickboard) (22-7/8" Lg.) | 1 |
| *5 | D-111084 | Top Assy. (SST) (Incls. items #6, 7, 8, 9, 16, 17, 18 & 19) | 1 |
| *6 | P-73094 | Locating Stud & Bracket Assy. (L.H.) | 1 |
| *7 | M-61252-1 | Spacer - Top (.105" Thk.) | AR |
| *8 | M-61252-2 | Spacer - Top (.060" Thk.) | AR |
| *9 | SW-10-4 | Wood Screw - #10 x 3/4" Phil. Flat Hd | 2 |
| 10 | SD-22-27 | Self-Tapping Screw - #6 x 3/8" Phil. Oval Undercut Hd., Type AB | 4 |
| 11 | E-118330 | Outer Door Panel & Sound Barrier Assy. (Incls. items #12, 13, 14 & 15) | 1 |
| 12 | B-105673 | Bezel - Handle Opening | 1 |
| 13 | M-102008-1 | Lens - Pilot Light | 1 |
| 14 | P-102009 | Retainer - Lens | 1 |
| 15 | A-109854 | Speed Nut - #8A | 4 |
| *16 | P-73095 | Locating Stud & Bracket Assy. (R.H.) | 1 |
| *17 | M-61252-1 | Spacer - Top (.105" Thk.) | AR |
| *18 | M-61252-2 | Spacer - Top (.060" Thk.) | AR |
| *19 | SW-10-4 | Wood Screw - #10 x 3/4" Phil. Flat Hd | 2 |
| 20 | M-75401-1 | Washer - #8 "Nyltite" | 4 |
| 21 | SD-17-42 | Self-Tapping Screw - #8 x 1/2" Phil. Truss Hd., Type AB | 4 |
| *22 | B-113872 | Filler - Frame Channel | 8 |
| *23 | E-113884 | Kickboard & Seal Assy. (Incls. item #28) | 1 |
| *24 | SD-26-9 | Self-Tapping Screw - #10 x 1/2" Phil. Truss Hd., Type AB | 4 |
| *25 | WS-19-34 | Washer (Fiber) | 4 |
| *26 | P-87955 | Bracket - Side Panel Mounting | 4 |
| *27 | SD-17-14 | Self-Tapping Screw - #10 x 1/2" Phil. Truss Hd., Type AB | 8 |
| *28 | B-113873-2 | Seal (Kickboard) (22-7/8" Lg.) | 1 |
| 29 | C-276937-2 | Lower Front Panel & Plate Assy. (WM-1D & WMP-1D) | 1 |
| *30 | E-113886-1 | Side Panel & Seal Assy. (R.H.) (Incls. item #32) | 1 |
| 31 | SD-17-14 | Self-Tapping Screw - #10 x 1/2" Phil. Truss Hd., Type AB | 2 |
| *32 | B-113873-1 | Seal (Side Panel) (21-3/16" Lg.) | 1 |
| *33 | E-113884 | Kickboard & Seal Assy. (Incls. item #4) | 1 |
| 34 | C-276937-1 | Lower Front Panel & Plate Assy. (WM-1 & WMP-1) | 1 |
| | B-114167-1 | Panel Unit Assy. (For Converting WM to WMP) (Incls. items #1, 2, 5, 22, 23, 24, 25, 26, 27, 30 & 33) | 1 |

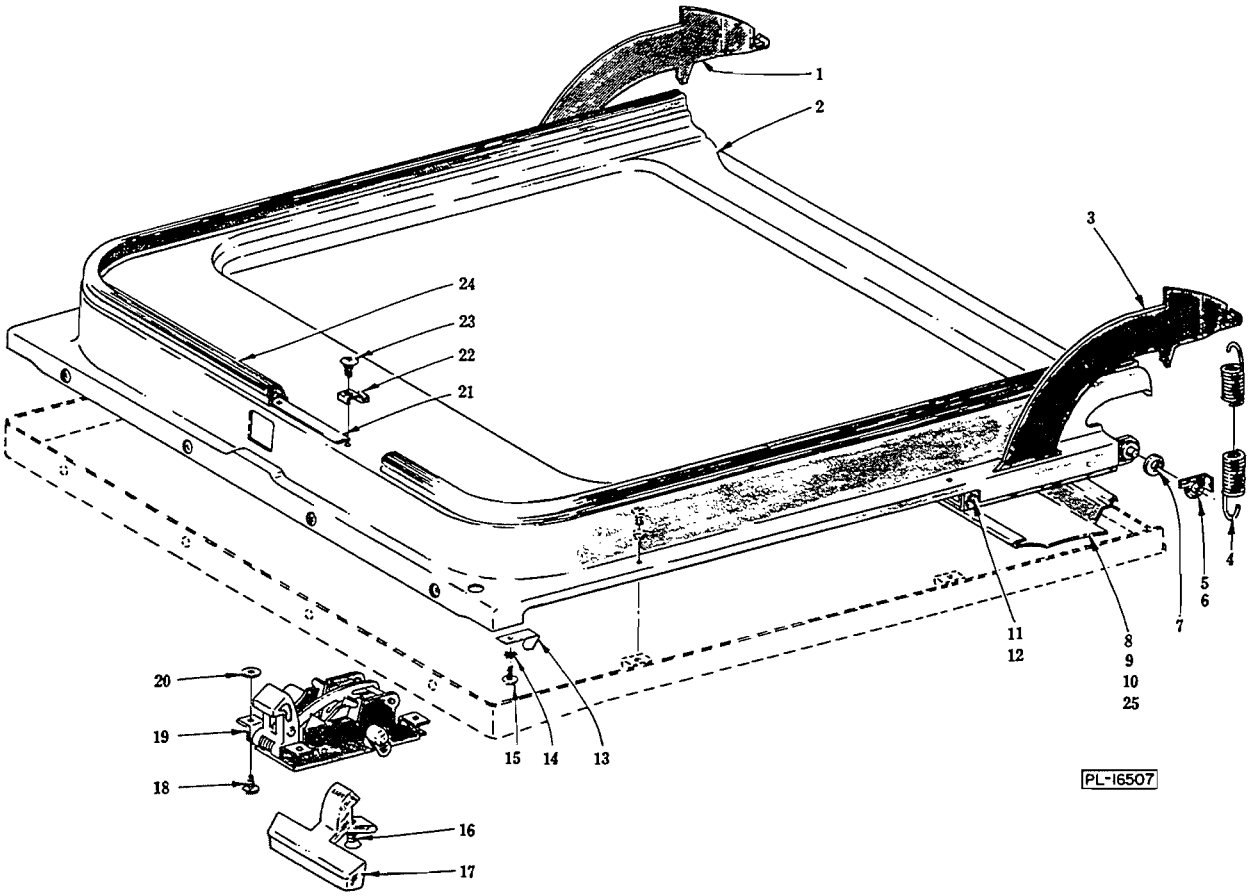
*WMP.




TIMER AND ELECTRICAL UNIT

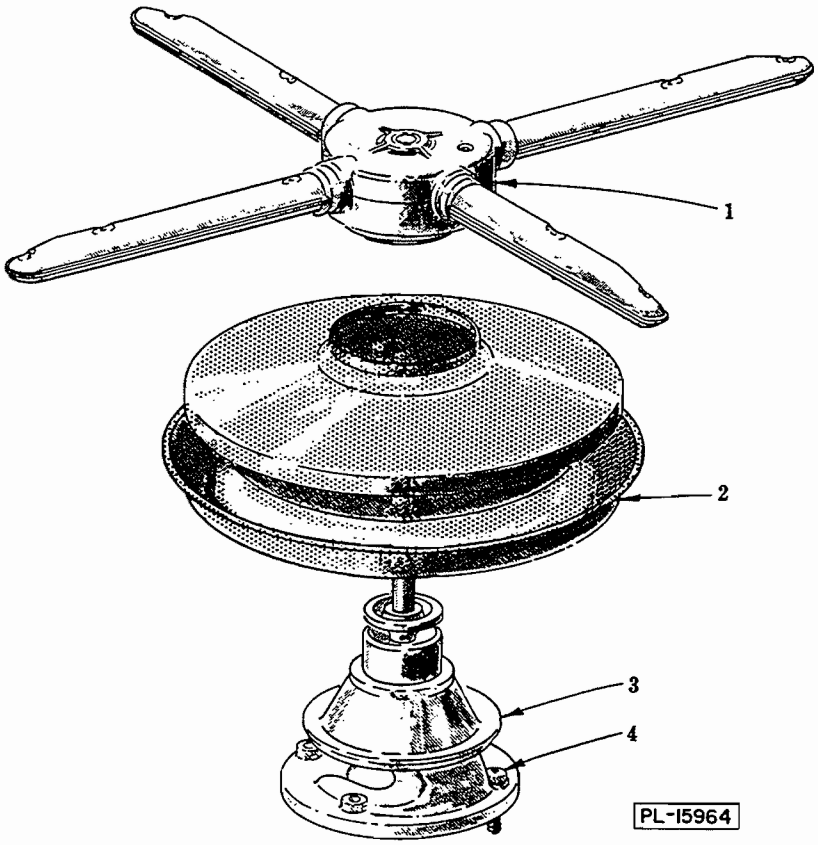
## TIMER AND ELECTRICAL UNIT

| ILLUS. PL-17714 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | SD-19-6 | Self-Tapping Screw - #8 x 5/8" Phil. Rd. Hd., Type B | 1 |
| 2 | E-110741 | Harness - Wiring | 1 |
| 3 | A-108970 | Bushing - Heyco (Door - Pilot Light Leads) | 1 |
| 4 | C-101991 | Conduit - Wiring Harness | 1 |
| 5 | SD-8-40 | Self-Tapping Screw - #8 x 3/8" Phil. Truss Hd., Type B | 1 |
| 6 | SD-8-43 | Self-Tapping Screw - #8 x 3/8" Phil. Rd. Hd., Type B | 1 |
| 7 | P-102203 | Plug - Door Baffle | 1 |
| 8 | B-120142 | Wire - Ground (Terminal Block to Cross Channel) | 1 |
| 9 | D-113709-1 | Timer | 1 |
| 10 | P-101137 | Bracket - Timer Mounting | 1 |
| 11 | SC-71-18 | Mach. Screw - #10-32 x 5/16" Phil. Truss Hd | 2 |
| 12 | SD-17-14 | Self-Tapping Screw - #10 x 1/2" Phil. Truss Hd., Type AB | 2 |
| 13 | P-73837 | Enclosure - Electrical Supply | 1 |
| 14 | B-276684 | Block - Main Terminal | 1 |
| 15 | SD-22-30 | Self-Tapping Screw - #10 x 7/8" Phil. Pan Hd., Type AB | 2 |
| 16 | M-63800 | Cover - Electrical Supply Enclosure | 1 |
| 17 | SD-8-43 | Self-Tapping Screw - #8 x 3/8" Phil. Rd.Hd., Type B | 2 |
| 18 | B-110812 | Lead (Interlock Switch to Program Switch) | 1 |
| 19 | SC-60-39 | Mach. Screw - #6-32 x 7/8" Rd. Hd | 2 |
| 20 | B-105437 | Switch - Interlock | 1 |
| 21 | NS-35-4 | Special Nut - #6-32 "Palnut" | 2 |
| 22 | C-117792 | Bracket - Terminal Board & Switch | 1 |
| 23 | B-117790 | Terminal Board Assy | 1 |
| 24 | SD-10-11 | Self-Tapping Screw - #6 x 3/8" Phil. Truss Hd., Type 17 | 2 |
| 25 | SD-10-11 | Self-Tapping Screw - #6 x 3/8" Phil. Truss Hd., Type 17 | 2 |
| 26 | C-117791 | Switch - Mach. Start | 1 |
| 27 | SC-60-39 | Mach. Screw - #6-32 x 7/8" Rd. Hd | 2 |
| 28 | NS-35-4 | Special Nut - #6-32 "Palnut" | 2 |
| 29 | A-108973-1 | Pilot Light Assy | 1 |
| 30 | C-108701 | Bracket - Pilot Light Mounting | 1 |
| 31 | SD-17-14 | Self-Tapping Screw - #10 x 1/2" Phil. Truss Hd., Type AB | 1 |
| 32 | B-120944 | Fastener - Expanded Clinch | 2 |
| 33 | B-120939 | Chaff - Harness Guard | 1 |
| 34 | D-287961 | Shield - Timer Drip | 1 |



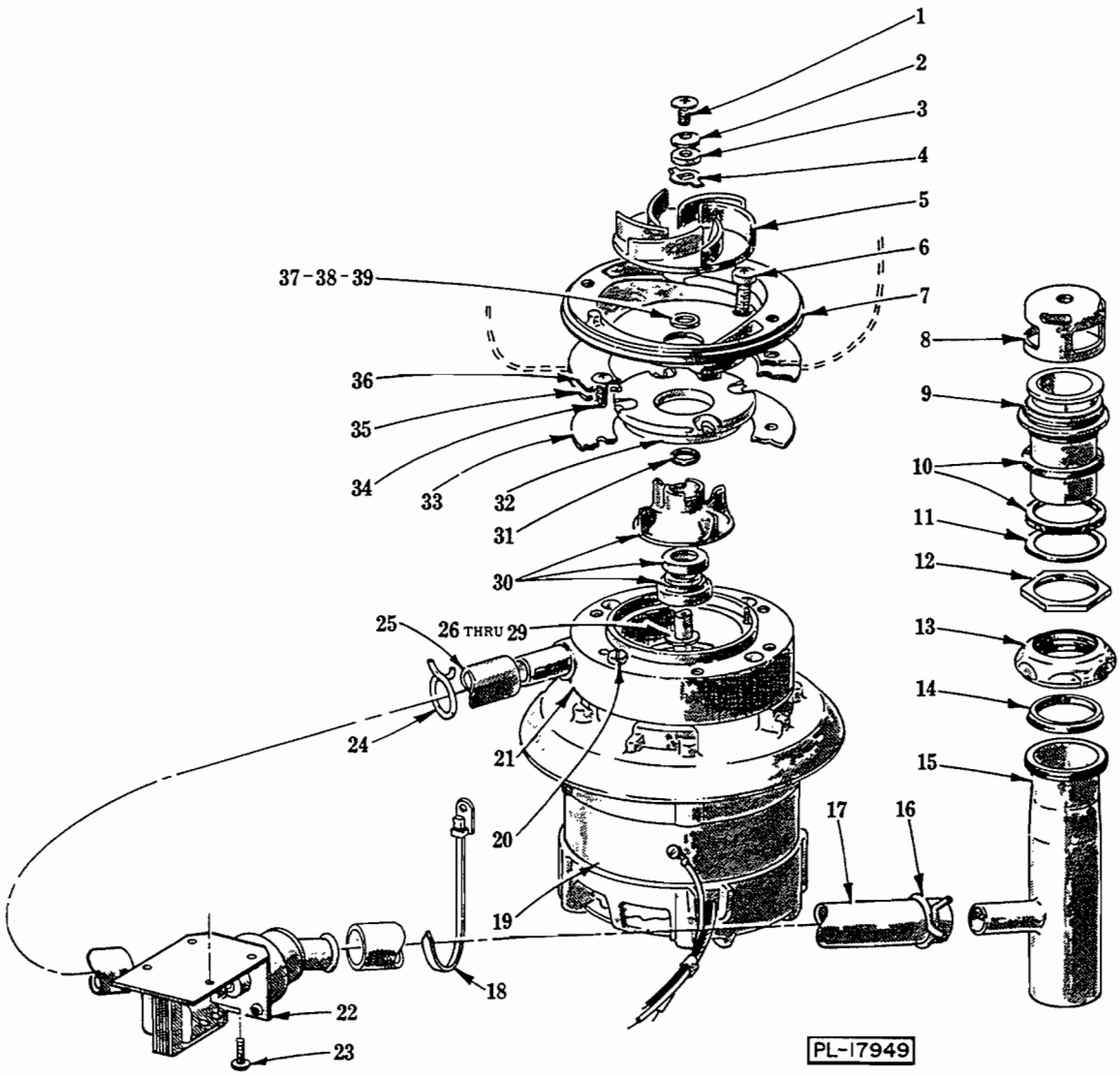

## DOOR AND LATCH UNIT

| ILLUS. PL-16507 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | C-276021 | Door Stop Bracket Assy. (L.H.) | 1 |
| 2 | C-110805 | Inner Door & Seal Assy. (Incls. items #21, 22, 23 & 24) | 1 |
| 3 | C-276022 | Door Stop Bracket Assy. (R.H.) | 1 |
| 4 | P-81244 | Spring - Door Co-Balance | 2 |
| 5 | B-118662 | Retainer - Door (R.H.) | 1 |
| 6 | B-118661 | Retainer - Door (L.H.) (Not Shown ) | 1 |
| 7 | M-82083 | Washer - Door Shim | AR |
| 8 | S-81451 | Shield - Door Vapor | 1 |
| 9 | WL-7-2 | Lock Washer - #6 Ext. Shakeproof | 2 |
| 10 | SD-10-11 | Self-Tapping Screw - #6 x 3/8" Phil. Truss Hd., Type 17 | 2 |
| 11 | SC-66-7 | Mach. Screw - #10-32 x 5/16" Phil. Truss Hd | 2 |
| 12 | WL-14-7 | Lock Washer - #10 Ext. Shakeproof | 4 |
| 13 | B-240220 | Clip - Door Panel Grounding | 1 |
| 14 | WL-14-7 | Lock Washer - #10 Ext. Shakeproof | 1 |
| 15 | SD-8-43 | Self-Tapping Screw - #8 x 3/8" Phil. Rd. Hd., Type B | 1 |
| 16 | SC-79-8 | Mach. Screw - #10-32 x 5/8" Phil. Oval Hd | 1 |
| 17 | S-101333 | Handle - Latch | 1 |
| 18 | SD-17-14 | Self-Tapping Screw - #10 x 1/2" Phil. Truss Hd., Type AB | 4 |
| 19 | D-240982 | Latch Mechanism Assy | 1 |
| 20 | WS-2-51 | Washer | AR |
| 21 | S-81453 | Retainer - Door Seal | 1 |
| 22 | M-24677 | Clip - Door Seal | 18 |
| 23 | SD-10-11 | Self-Tapping Screw - #6 x 3/8" Phil. Truss Hd., Type 17 | 18 |
| 24 | D-121030 | Gasket - Door Seal | 1 |
| 25 | SC-66-22 | Mach. Screw - #10-32 x 3/8" Phil. Truss Hd | 2 |




## WASH ARM AND STRAINER

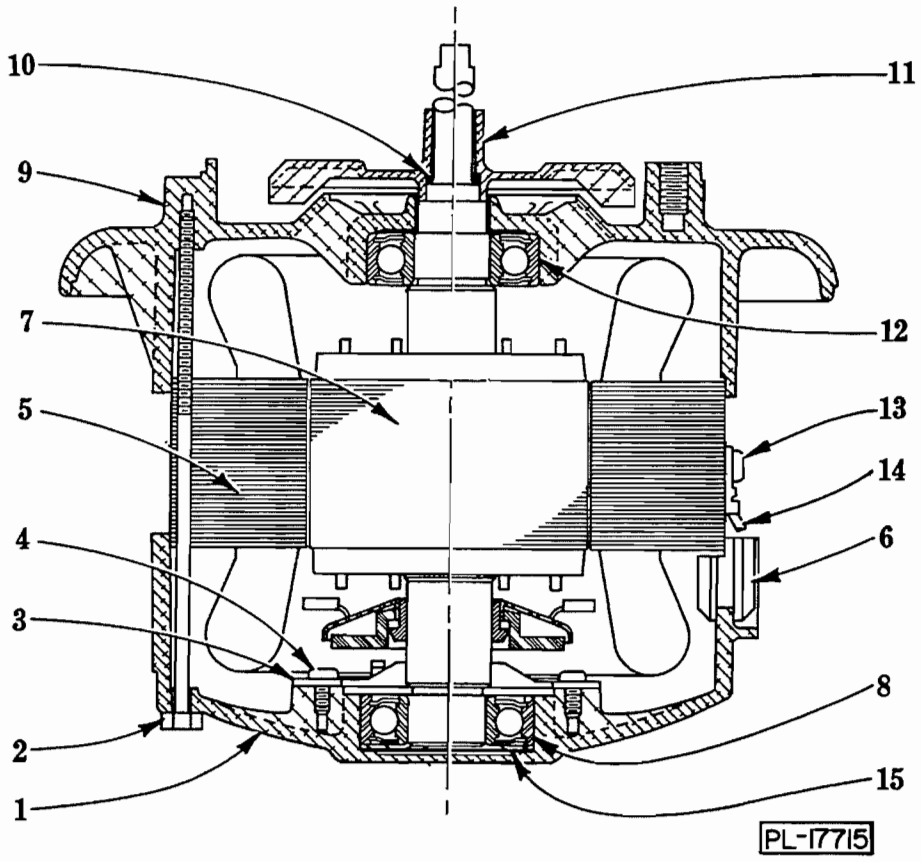
| ILLUS. PL-15964 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | E-115699 | Wash Arm Assy. (4 Way Hydro Sweep) | 1 |
| 2 | D-120835 | Strainer Assy. (SaniGuard Filter) | 1 |
| 3 | B-276850 | Wash Arm Support, Seal & Cone Assy | 1 |
| 4 | SC-80-13 | Mach. Screw - #10-24 x 7/8" Phil. Fil. Hd | 4 |




WASH AND DRAIN UNIT

## WASH AND DRAIN UNIT

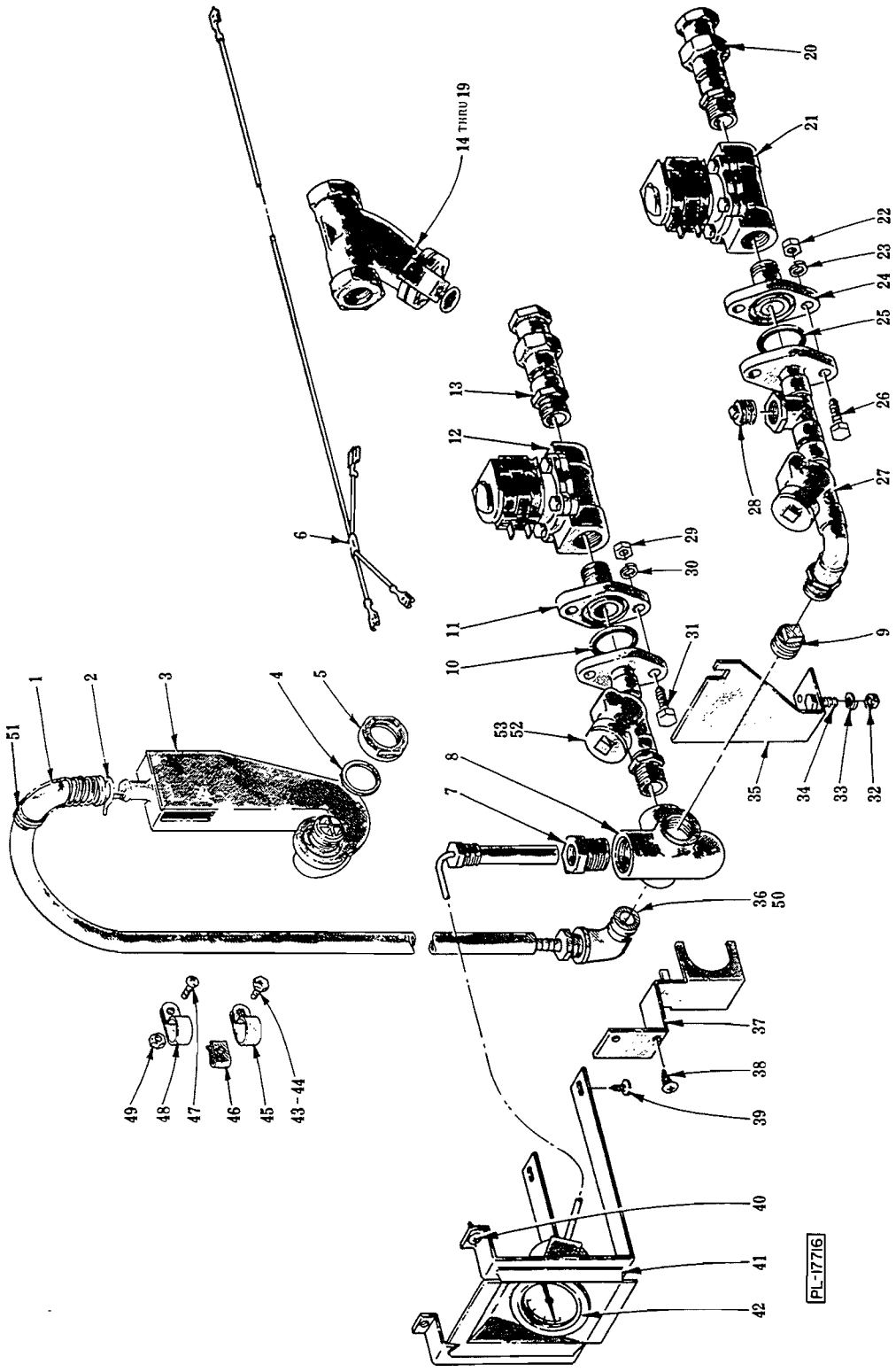
| ILLUS. PL-17949 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | SC-66-19 | Mach. Screw - #10-32 x 7/16" Phil. Truss Hd | 1 |
| 2 | M-83752 | Washer - Spring (Impeller) | 2 |
| 3 | A-107114 | Cap - Washer | 1 |
| 4 | M-81492 | Washer - Key | 1 |
| 5 | R-81271 | Impeller - Wash Pump | 1 |
| 6 | SC-80-13 | Mach. Screw - #10-24 x 7/8" Phil. Fil. Hd | 4 |
| 7 | D-106755 | Body - Wash Pump | 1 |
| 8 | P-64052 | Cap - Overflow | 1 |
| 9 | B-121975 | Overflow Assy | 1 |
| 10 | M-64051 | Gasket - Overflow | 2 |
| 11 | WS-14-37 | Washer | 1 |
| 12 | M-64050 | Lock Nut - Overflow | 1 |
| 13 | A-111690 | Nut - Drain "Y" Connector | 1 |
| 14 | A-111691 | Washer - Drain "Y" Connector | 1 |
| 15 | C-110821 | Drain "Y" Connector Assy. (Incls. items #13 & 14) | 1 |
| 16 | M-102004-2 | Clamp - Tube | 2 |
| 17 | C-110806-2 | Tube - Drain (21" Lg.) | 1 |
| 18 | 521869 | Cable Tie (Hose Support) | 1 |
| 19 | B-122766-1 | Motor, Seal & Gasket Assy. (115 V., 60 Hz.) (Incls. items #26 thru 30, 33, 37, 38 & 39) | 1 |
| 20 | SC-12-46 | Mach. Screw - 1/4"-20 x 1-1/8" Fil. Hd | 4 |
| 21 | S-81269 | Body - Drain Pump | 1 |
| 22 | C-118185 | Drain Valve Assy | 1 |
| 23 | SD-17-12 | Self-Tapping Screw - #10 x 1/2" Phil. Rd. Hd ., Type AB | 2 |
| 24 | M-102004-2 | Clamp - Tube | 2 |
| 25 | C-110806-4 | Tube - Drain (15" Lg.) | 1 |
| 26 | B-240357 | Washer - Shim (.005" Thk.) | AR |
| 27 | B-240358 | Washer - Shim (.015" Thk.) | AR |
| 28 | B-240356 | Washer - Shim (.030" Thk.) | AR |
| 29 | B-240229 | Washer - Shim (.048" Thk.) | AR |
| 30 | A-117011 | Shaft Seal & Drain Impeller Assy. (Incls. item #31) | 1 |
| 31 | D-67500-30 | "O" Ring | 1 |
| 32 | P-81267 | Top - Drain Pump | 1 |
| 33 | P-81439 | Gasket - Tank | 1 |
| 34 | SC-66-30 | Mach. Screw - 1/4"-20 x 3/4" Phil. Truss Hd | 6 |
| 35 | B-105687 | Gasket - Motor Clamping Plate | 1 |
| 36 | P-81437 | Plate - Motor Clamping | 1 |
| 37 | B-240361 | Washer - Shim (.005" Thk.) | AR |
| 38 | B-240360 | Washer - Shim (.015" Thk.) | AR |
| 39 | B-240359 | Washer - Shim (.030" Thk.) | AR |




MOTOR UNIT

## MOTOR UNIT

| ILLUS. PL-17715 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | D-117657 | Bracket - Bearing | 1 |
| 2 | M-101233-1 | Bolt - #8-32 x 4-7/16" Hex Hd | 4 |
| 3 | C-111688-4 | Switch - Starting (Stationary Part) | 1 |
| 4 | SD-9-34 | Self-Tapping Screw - #6-32 x 3/8" Phil. Pan Hd., Type F | 2 |
| 5 | D-65477-149-1 | Stator Assy | 1 |
| 6 | B-107326 | Grommet - Rubber | 1 |
| 7 | B-22275-156 | Rotor Assy | 1 |
| 8 | BB-20-18 | Ball Bearing - N.D. #77503 | 1 |
| 9 | D-117674 | Bracket - Bearing | 1 |
| 10 | D-67500-30 | "O" Ring | 1 |
| 11 | C-108642 | Fan - Motor | 1 |
| 12 | BB-20-18 | Ball Bearing - N.D. #77503 | 1 |
| 13 | SD-12-28 | Self-Tapping Screw - #8-32 x 3/8" Hex Hd., Type 23 | 1 |
| 14 | C-87525-262 | Lead (Ground) | 1 |
| 15 | SL-2-4 | Loading Spring - N.D. #S-17 | 1 |

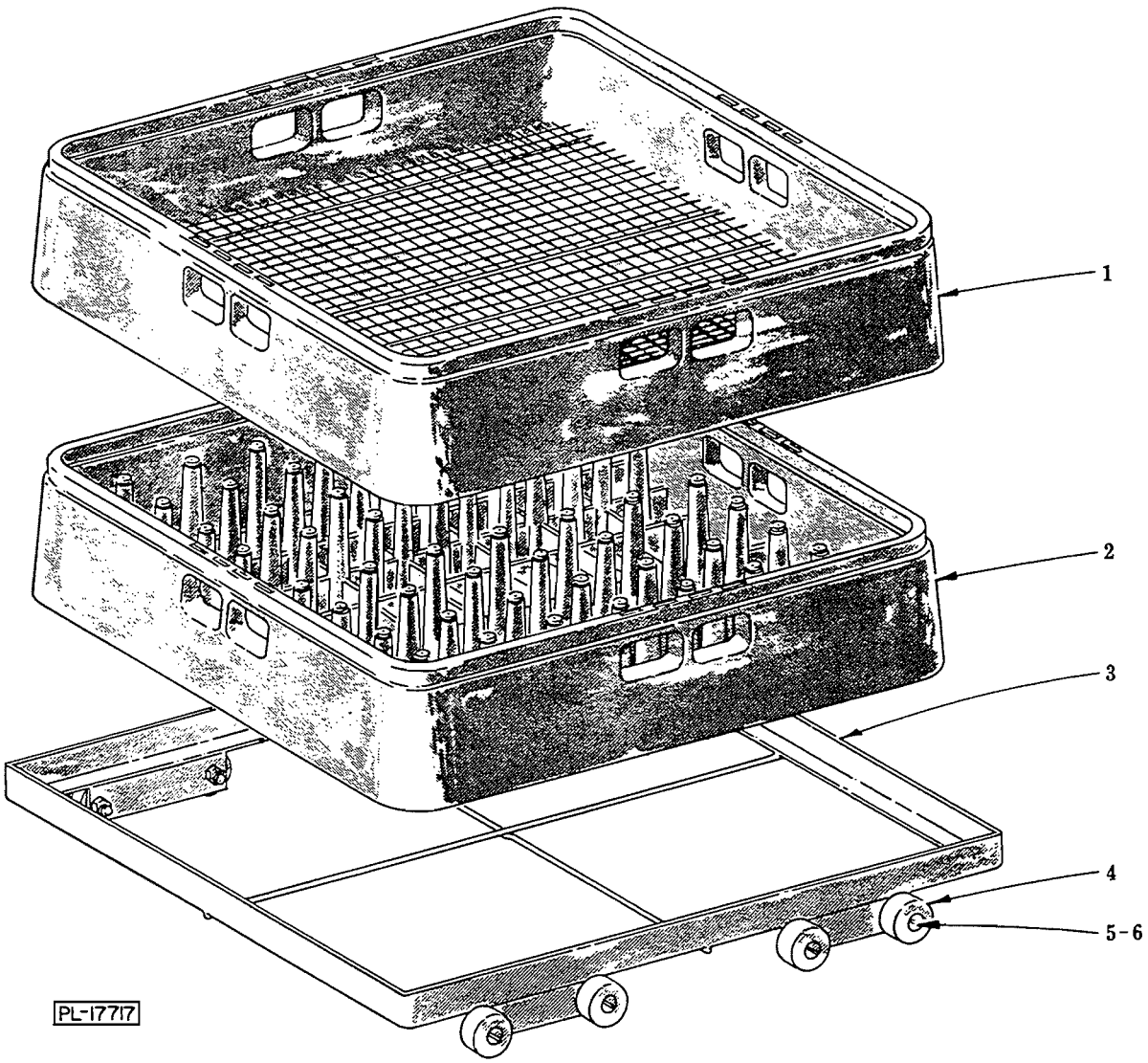

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FILL UNIT

# FILL UNIT

| ILLUS. PL-17716 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | B-82081-6 | Connector - Flexible (30" Lg.) (Fill Elbow Assy. to Air Gap) | 1 |
| 2 | B-240462 | Clamp - Hose | 2 |
| 3 | C-115733 | Fill Air Gap Assy | 1 |
| 4 | B-115840 | Gasket | 1 |
| 5 | A-103746 | Nut - Fill Air Gap | 1 |
| *6 | D-110839 | Wiring Harness (Dual Fill) | 1 |
| 7 | A-107218 | Coupling - Thermometer | 1 |
| 8 | P-66394 | Manifold - Thermometer Bulb | 1 |
| **9 | FP-28-15 | Plug - 1/2" Sq. Hd. Pipe | 1 |
| 10 | D-67500-12 | "O" Ring | 1 |
| 11 | P-63262-24 | Flange & Nipple Assy | 1 |
| 12 | C-122434-3 | Valve - Solenoid (Fill) (Incls. Coil) | 1 |
| 13 | B-277921 | Inlet Piping Assy | 1 |
| 14 | A-102515 | Line Strainer (1/2") (Incls. items #15 thru 19) | AR |
| 15 | M-82230 | Screen (1/2" Line Strainer) | AR |
| 16 | A-102518 | Plate - Seal (1/2" Line Strainer) | AR |
| 17 | M-82236 | Clamp (1/2" Line Strainer) | AR |
| 18 | M-82238 | Thumb Screw | AR |
| 19 | D-67500-59 | "O" Ring (1/2" Line Strainer) | AR |
| *20 | B-277921 | Inlet Piping Assy | 1 |
| *21 | C-122434-3 | Valve - Solenoid (Fill) (Incls. Coil) | 1 |
| *22 | NS-15-11 | Full Nut - 5/16"-18 Hex Fin | 2 |
| *23 | WL-6-22 | Lock Washer - 5/16" Light | 2 |
| *24 | P-63262-24 | Flange & Nipple Assy | 1 |
| *25 | D-67500-12 | "O" Ring | 1 |
| *26 | SC-41-15 | Cap Screw - 5/16"-18 x 1-1/4" Hex Hd | 2 |
| *27 | C-110802 | Front Rinse Line Assy | 1 |
| *28 | FP-28-7 | Plug - 1/4" Sq. Hd. Pipe | 1 |
| 29 | NS-15-11 | Full Nut - 5/16"-18 Hex Fin | 2 |
| 30 | WL-6-22 | Lock Washer - 5/16" Light | 2 |
| 31 | SC-41-15 | Cap Screw - 5/16"-18 x 1-1/4" Hex Hd | 2 |
| 32 | NS-13-1 | Full Nut - 1/4"-20 Hex Fin | 2 |
| 33 | WL-6-16 | Lock Washer - 1/4" Light | 2 |
| 34 | SC-36-14 | Cap Screw - 1/4"-20 x 1/2" Hex Hd | 2 |
| 35 | C-110733 | Bracket - Fill Piping Support | 1 |
| 36 | FP-15-17 | Elbow - 1/2" x 90° Street | 1 |
| 37 | C-110734 | Bracket - Fill Pipe Locating | 1 |
| 38 | SD-17-14 | Self-Tapping Screw - #10 x 1/2" Phil. Truss Hd., Type AB | 2 |
| 39 | SD-17-14 | Self-Tapping Screw - #10 x 1/2" Phil. Truss Hd., Type AB | 2 |
| 40 | SD-8-43 | Self-Tapping Screw - #8 x 3/8" Phil. Rd. Hd., Type B | 2 |
| 41 | C-110825 | Thermometer Bracket Assy | 1 |
| 42 | D-276923-5 | Thermometer (F/C) | 1 |
| 43 | SC-95-11 | Mach. Screw - #10-32 x 9/16" Hex Hd | 1 |
| 44 | WL-7-12 | Lock Washer - #10 Ext. Shakeproof | 1 |
| 45 | M-78752-10 | Clamp - Flexible Connector | 1 |
| 46 | A-109867 | Speed Nut - #10-32, Type U | 1 |
| 47 | SC-53-2 | Mach. Screw - #10-24 x 1/2" Phil. Truss Hd | 1 |
| 48 | M-78752-10 | Clamp - Flexible Connector | 1 |
| 49 | NS-11-18 | Mach. Nut - #10-24 Hex | 1 |
| 50 | B-277919 | Connector - Straight Barb | 1 |
| 51 | C-287593 | Spring - Coil | 1 |
| *52 | B-110801 | Front Wash Line Assy | 1 |
| **53 | B-110796 | Flange, Tube & Adapter Assy | 1 |
| | B-286512 | Fill Elbow Assy. - 90° (Incls. items #36 & 50) | 1 |
| | C-276634 | Coil - Solenoid Valve (Use with items #12 & 21) | 1 |
| | B-122757 | Kit - Solenoid Valve | 1 |

*Dual Fill Machines.
**Single Fill Machines.




## RACK UNIT

| ILLUS. PL-17717 | PART NO. | NAME OF PART | AMT. |
|---|---|---|---|
| 1 | A-105114 | Rack - Combination | 1 |
| 2 | A-105113 | Rack - Peg | 1 |
| 3 | D-110827 | Rack Carrier Assy. (Incls. items #4, 5 & 6) | 1 |
| 4 | B-110742 | Slide - Rack Carrier | 8 |
| 5 | SC-22-35 | Mach. Screw - 1/4"-20 x 1" Flat Hd | 8 |
| 6 | NS-31-21 | Stop Nut - 1/4"-20 "Elastic" | 8 |