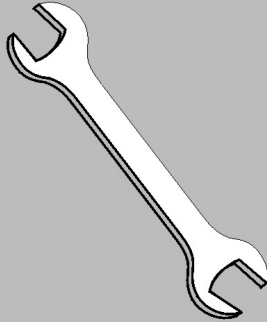


Published Manual Number/ECN: H000000044/2000493N

- Publishing System: TPAS
- Access date: 1/30/01
- Document ECN's: Latest Available



Kit Instruction— KWACSD001R



Please Read

About the Manual Identifying Information on the Cover

The front cover displays pertinent identifying information for this manual. Most important, are the published manual number (part number) /ECN (date code). Generally, when a replacement manual is furnished, it will have the same published manual number, but the latest available ECN. This provides the user with the latest information applicable to his machine. Similarly all documents comprising the manual will be the latest available as of the date the manual was printed, **even though older ECN dates for those documents may be listed in the table of contents.**

When communicating with the Milnor factory regarding this manual, please also provide the other identifying information shown on the cover, including the publishing system, access date, and whether the document ECN's are the latest available or exact.

References to Yellow Troubleshooting Pages

This manual may contain references to "yellow pages." Although the pages containing troubleshooting procedures are no longer printed on yellow paper, troubleshooting instructions, if any, will be contained in the easily located "Troubleshooting" chapter or section. See the table of contents.

Trademarks of Pellerin Milnor Corporation

The following, some of which may be used in this manual, are trademarks of Pellerin Milnor Corporation:

Ampsaver [®]	Dye-Extractor [®]	Gear Guardian [®]	Milnet [®]	Staph-Guard [®]
Autolint [®]	Dyextractor [®]	Hands-Off [®]	Milnor [®]	System 4 [®]
Auto-Purge [®]	E-P Express [®]	Hydro-Cushion [®]	Miltrac	System 7 [®]
Autovac	E-P OneTouch [®]	Mildata [®]	Miltron	Totaltrol [®]
CBW [®]	E-P Plus [®]			

Comments and Suggestions

Help us to improve this manual by sending your comments to:

Pellerin Milnor Corporation
Attn: Technical Publications
P. O. Box 400
Kenner, LA 70063-0400

Fax: (504) 469-1849

SPRINKLER SOLENOID REPLACEMENT

These instructions are for Dryer and Remote Autolint Collector sprinkler solenoid replacement. The old solenoid, made by Eaton, is shorter than the replacement solenoid, made by Dormeyer. To install the replacement solenoid the mounting holes must be slotted so that the solenoid can be moved further away from the mechanical linkage. The approximate time to complete the replacement is one and a half man hours. Before beginning replacement, it is necessary to familiarize yourself with all safety precautions in the equipment's manuals; please observe all safety precautions. It is also imperative that these instructions are read and understood before beginning the replacement. While working on any electrical or electronic equipment, tag and lockout the power. Also, inventory the parts received with the kit.

Tools required: a point grinder, the dryer's technical manual and common hand tools.

Disassembly

First, remove the old solenoid. Disconnect the mechanical linkage, connected to the solenoid. Disconnect the two wires that power the solenoid. Remove the four bolts and nuts that hold the solenoid to the assembly. Figure 1 item 1 shows one of the four bolts that mounts the four corners of the solenoid to the assembly.

Elongate Holes

Use a point grinder to elongate

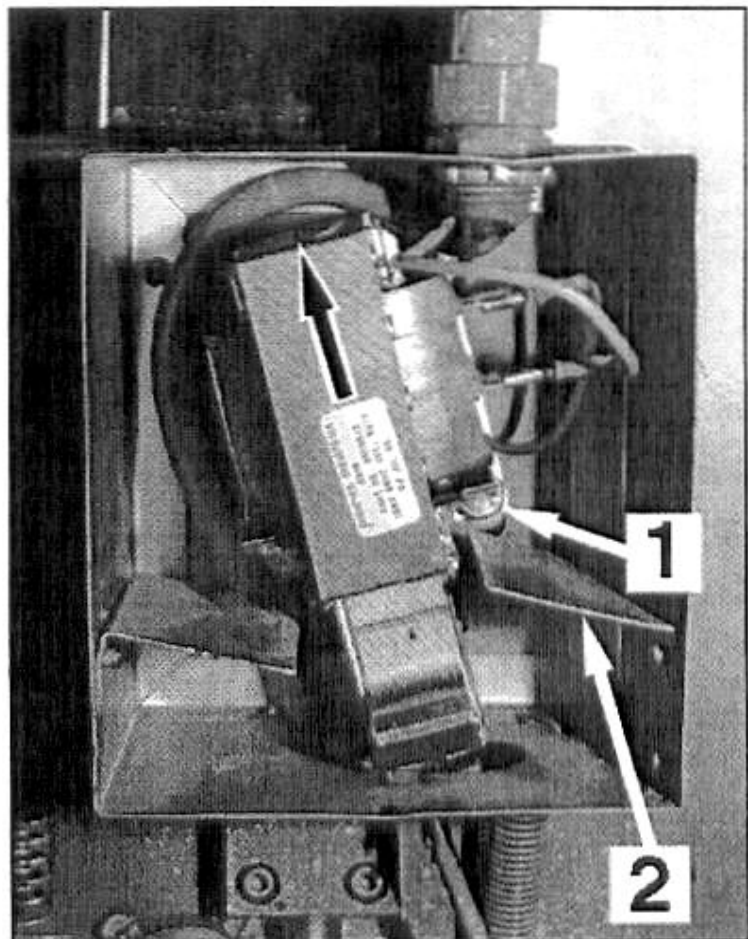


Figure 1

the four solenoid mounting holes inside the box. Elongate the mounting holes one quarter of an inch in the direction of the black arrow in figure 1.

Assembly

After the holes are elongated, install the new solenoid as close to the top of the box as possible. Connect the two wires that power the solenoid and connect the mechanical linkage. Ensure that the two baffle plates, figure 1 item 2, do not interfere with the mechanical action of the solenoid.

Testing

Test the newly installed solenoid. Refer to the attachment MSSM0126AE, ABOUT THE AUTOMATIC WATER SPRINKLER see the section titled Sprinkler Preventive Maintenance. Repeat the testing process at least five times to assure proper operation.

Test the three wire circuit. With the sprinkler solenoid energized the three wire should not reset. Try to reset the sprinkler assembly five times. If the three wire can be reset with the sprinkler solenoid energized, the solenoid needs to be moved further away from the mechanical linkage.

If any questions arise, please call MILNOR Technical Support at 504-467-9591 ext. 276.

Attachment: MSSM0126AE

ABOUT THE AUTOMATIC WATER SPRINKLER

What To Do First, If the Sprinkler Actuates—In the unlikely event of a fire in the basket and ensuing sprinkler actuation, the three wire relay drops out, the basket stops rotating and the unload door releases. The sprinkler system (FIGURE 1) must be manually reset and the machine checked for obvious and hidden damages before being returned to service.

Stopping the Water Spray and Resetting the Sprinkler—Once the fire (if any) is extinguished, pull down the sprinkler reset handle (FIGURE 2) to stop the water spray and reset the sprinkler. Permit the water to drain from the basket housing and base.

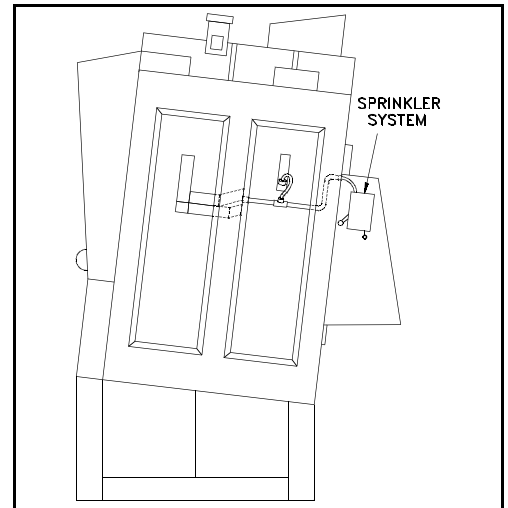


FIGURE 1 (MSSM0126AE)
Location of Sprinkler Enclosure

Checking for Obvious Damage

⚠ DANGER ⚠



SHOCK HAZARD—Electrical power can cause death or severe injury.

Lock OFF and tag out power to the machine main bus at the wall disconnect before checking for obvious damage. Power switches on control panel disable only control circuit power in certain electrical boxes.

Inspect the interior for damage, especially the basket surface, support shaft seals, T-seal, and support rollers. Also check and dry damp electrical connections. If there is no obvious damage, restore dryer power and remove the goods as explained in “Removing Goods” in this section.

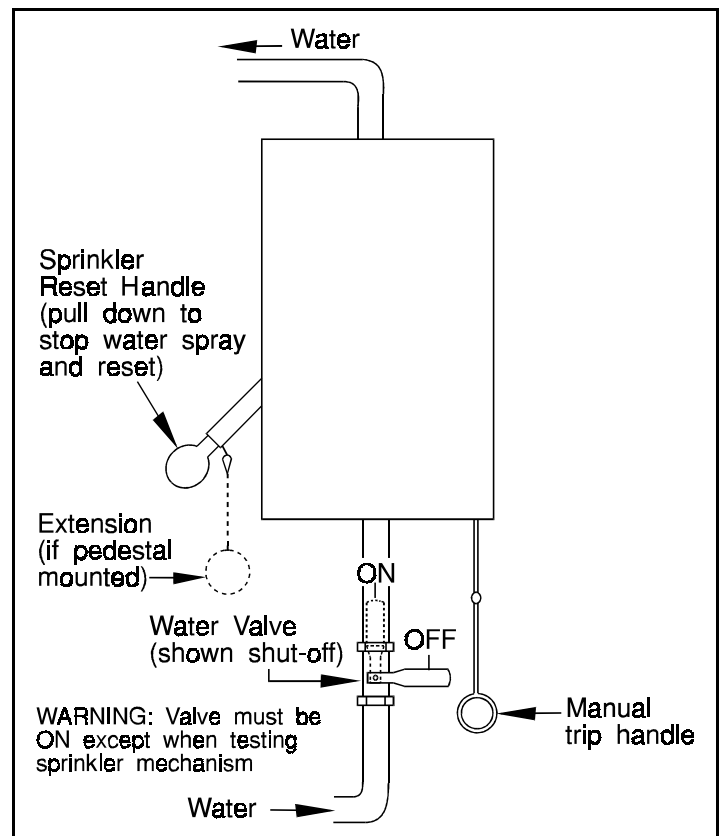
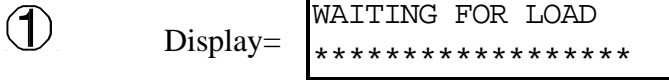


FIGURE 2 (MSSM0126AE)
Sprinkler Controls

Removing Goods

At the Control Panel

Master switch ON.



Move the **Dryer Load Allowed** switch (FIGURE 3) to **NO**. This tells the shuttle not to deliver a new load of goods to the dryer. (Although this switch is duplicated on the function switch panel next to the unload door, it is possible for the shuttle to send a new load to the dryer immediately, before an operator could reach the panel).

At the Function Switch Panel

▲ WARNING ▲



FIRE AND BURN HAZARDS—Smoldering goods will fall out when unload door is opened. Stand clear with hoses while unloading.

1. Move the **Manual/Automatic** switch to **MANUAL** to fully open the unload door and enable the **Jog** switch.
2. Hold the **Jog** switch **CW** or **CCW** as needed to remove goods, then return the **Manual/Automatic** switch to **AUTOMATIC**.

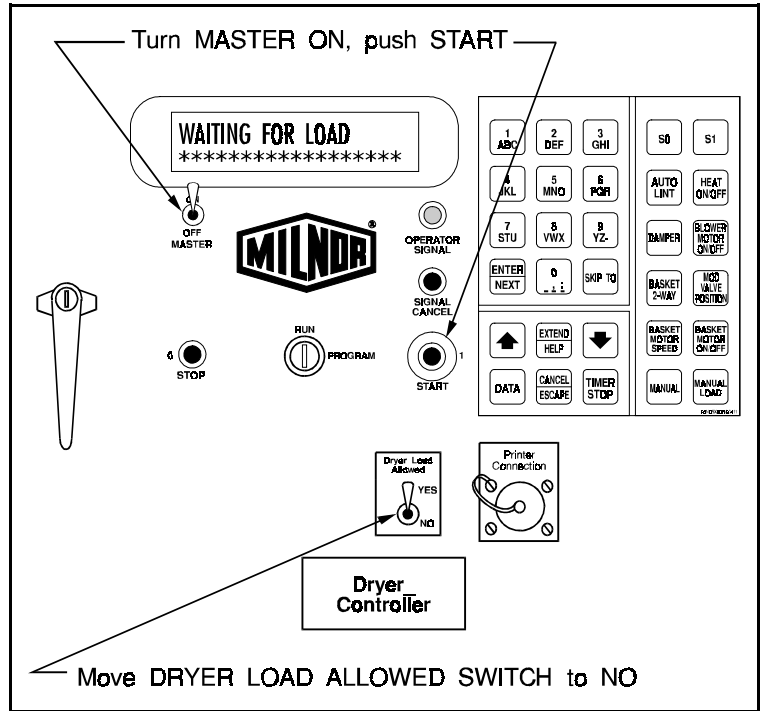


FIGURE 3 (MSSM0126AE)
Control Panel

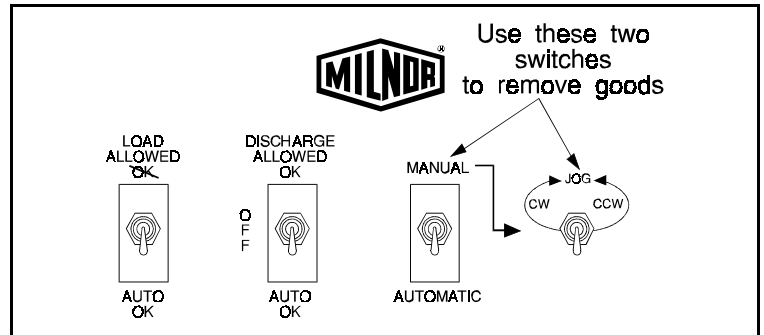


FIGURE 4 (MSSM0126AE)
Function Switch Panel

Checking for Hidden Damage

With the machine in **Manual**, check for hidden damage by operating all controls (e.g. Modulating Gas valve, stripper, etc.). See “ACTUATING OUTPUTS, VIEWING INPUTS AND ACCESSING DATA ACCUMULATION ON THE MARK II DRYER CONTROL” in the Programming, Operating and Troubleshooting manual. To help determine why a fire occurred, see “HOW TO ACCESS DRY CYCLE DETAILS” in the same section. If the machine has no mechanical damage and all controls work normally, return machine to normal operation.

Sprinkler Preventive Maintenance

As part of the preventive maintenance program, test automatic actuation (using the procedure described below) and manual actuation during a manually selected drycode every month and/or 200 hours.

Testing Sprinkler Automatic Operation

See FIGURE 2 during these procedures.

Before beginning, turn OFF the water valve. This prevents water from flooding the machine during this test.

After the power up sequence, the display shows

```
WAITING FOR LOAD
*****
```



 Accesses the Manual Menu.

```
RETURN TO AUTOMATIC
00
```

,  Selects TEST SPRINKLER MENU.

```
TEST SPRINKLER
10
```

For Quick Return to Run Mode from SPRINKLER TEST MENU

,  Display returns to


```
RETURN TO AUTOMATIC
00
```

 or  Display returns to


```
WAITING FOR LOAD
*****
```

 Enables the sprinkler function.

```
1=RELEASE VALVE
```

 Commands sprinkler ON, operator signal beacon illuminates, alarm sounds and sprinkler reset handle pops up, verifying valve open. Momentarily turn ON water valve, and confirm that water flows from the sprinkler openings to the basket housing.

```
1=RELEASE VALVE
```

 Returns to TEST SPRINKLER MENU. Pull down sprinkler reset handle until it resets. (NOTE: Operator signals remain on) Turn ON water valve.

```
TEST SPRINKLER
10
```

,  Returns to AUTOMATIC MENU.

```
RETURN TO AUTOMATIC
00
```



Cancels three wire disable.
display returns to

```
WAITING FOR LOAD
*****
```

Testing Sprinkler Manual Operation

See FIGURE 2 during these procedures.

Test sprinkler by manually running any drycode that calls for heat, then pulling the manual trip handle. Before beginning, turn **OFF** water valve. This prevents water from flooding the machine during this test.

After the power up sequences, the display shows

```
WAITING FOR LOAD
*****
```



Accesses Manual Load menu.

```
SELECT DRYCODE
00 REDRY
```

For Quick Return to Run Mode from SPRINKLER TEST



returns to automatic

, etc.,

```
WAITING FOR LOAD
*****
```



Accepts the default Drycode 00 and prompts for load size (if machine configured for more than one cake).

```
ENTER LOAD SIZE
0 FULL LOAD
```



Accepts the default load size (full load) and prompts the operator to load dryer. Ignore this prompt.

```
LOAD DRYER WITH
REDRY
```



Starts the cycle. When loading sequence ends, display appears as shown below.

```
LOADING
```

```
00F TIF TOF 000 VP
XX XXXAXXX XXX XXX
```

alternates with

```
00F TIF TOF 000 AIR
XXX XXXDXXX XXX XXX
```


Pull down manual trip handle. Operator signal beacon illuminates, alarm sounds, and sprinkler reset handle pops up, verifying that the sprinkler valve is open.

THREE WIRE DISABLED

Momentarily turn ON water valve, and confirm that water flows from the sprinkler openings in basket. Reset the sprinkler reset handle to reset the system. **Turn ON** water valve.



Clears the three wire disable error.
Display shows

ROTATIONAL FAILURE



Clears the rotational failure error.
Display shows

CHECK ERROR LIGHTS

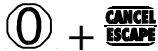


Clears the check error lights message.
The machine resumes current dry code.

00F TIF TOF 000 VP
XX XXXAXXX XXX XXX

alternates
with

00F TIF TOF 021 AIR
XXX XXXDXXX XXX XXX



Cancels drycode in progress.

UNLOADING
