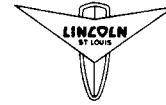


# SEVEN DAY LUBRICATION CYCLE RECORDER



**Model 83884**

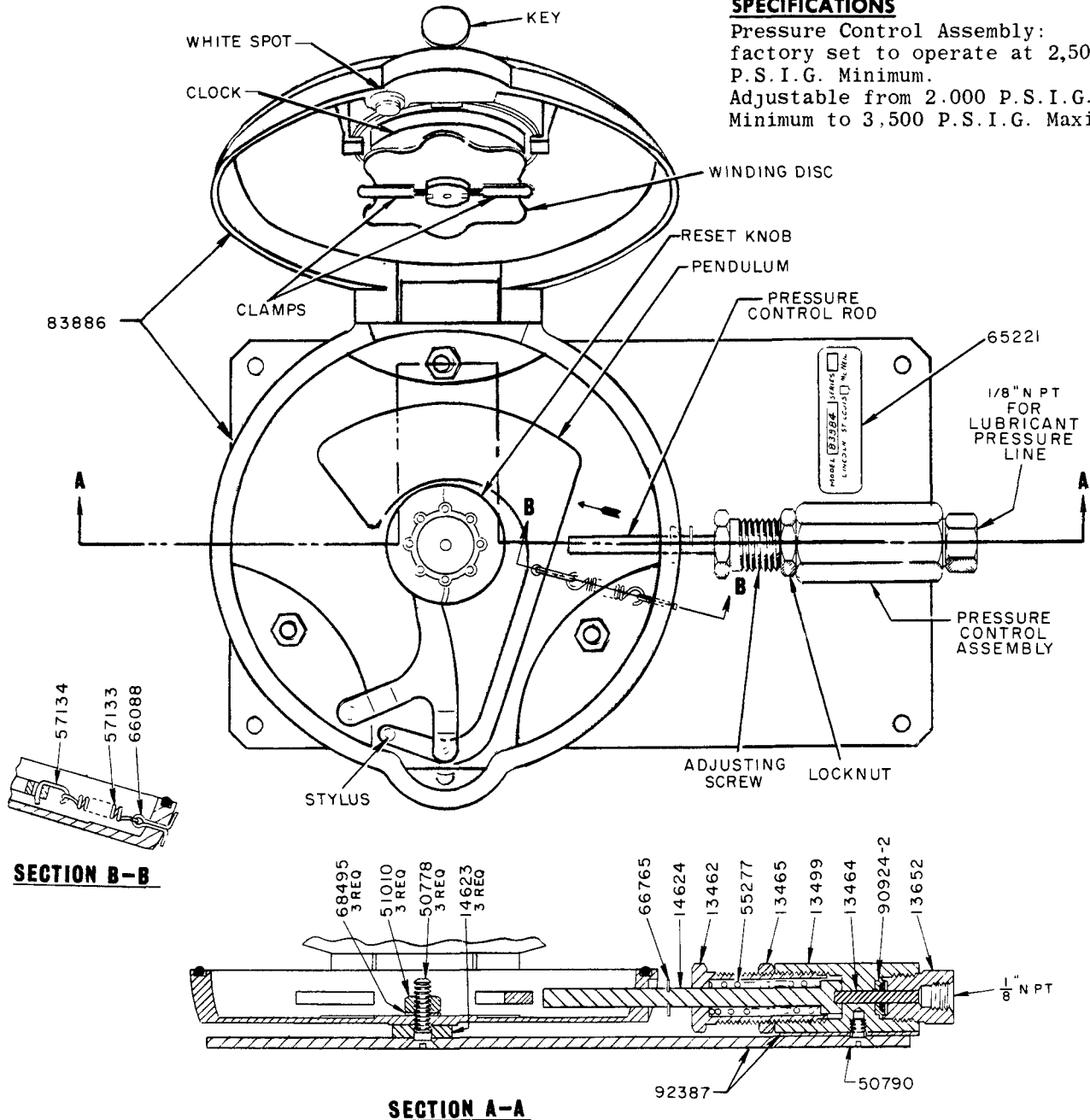
**Series A**

## DESCRIPTION

The Model 83884 is a device used to give a graphic record of the cycle impulses of an automatic (Centro-Matic) lubrication system. It records the frequency of lubrication cycles, whether adequate pressure has been reached to complete a cycle and indicates the specific time of any system failure. The unit consists of a Pressure Control Assembly and a Recorder which is operated by a Clock. The Clock is a nine day, hand wound type which makes the Recorder independent of electrical failure. A Stylus marks the record on a coated paper chart so that no ink is required. Recorder construction permits the chart to revolve three times during nine days without running over its own record path. A lock is built into the Recorder so that it is tamper proof.

## SPECIFICATIONS

Pressure Control Assembly:  
factory set to operate at 2,500  
P.S.I.G. Minimum.  
Adjustable from 2,000 P.S.I.G.  
Minimum to 3,500 P.S.I.G. Maximum.



**LINCOLN ST. LOUIS**  
4010 GOODFELLOW BLVD • ST LOUIS, MO 63120 • (314) 383-5900



**SECTION - C8**

**PAGE - 141**

## OPERATION

The unit may be installed in any convenient position or angle. However, do not locate where there is excessive heat, dirt or moisture. The special paper chart coating that makes the line on the chart will melt at 135° Fahrenheit.

After connecting the lubricant pressure line to the pressure control assembly, the following steps are necessary to put the unit into operation.

1. WIND THE CLOCK MOVEMENT - Use the key and open the Recorder Lid. Turn the star-shaped Winding Disc (located inside the cover above the clock movement) clockwise until the movement is wound fairly tight. It is a good policy to wind the clock each time a chart is changed even if it is not run down.
2. ELEVATE THE PENDULUM - Turn the Reset Knob in the direction of the arrows, counter-clockwise, as far as it will go. This must be done each time the chart is changed in order to operate the seven (or nine) day cycle of the Recorder.
3. PLACE CHART IN THE RECORDER - Snap up the two finger-like Clamps above the Winding Disc in the center of the lid. Slip the chart down over the now Vertical Clamps to the face of the Winding Disc.
4. SET THE CHART - Before clamping the chart down, turn it so that the time on it that corresponds to the present time of day (or night) is at the little white spot on the rim of the Recorder Cover. If this is not done correctly, the Recorder will be that much off for the time chart's duration.
5. FASTEN THE CHART IN PLACE - Snap down the two finger-like clamps. Now close and lock the Recorder Cover and it is ready to operate for its full cycle of up to nine days.

The Stylus is always in contact with the chart thereby scribing a thin line during the lubrication system's "off" cycle. When system cycles, the lubricant pressure forces the Pressure Control rod out, moving the Pendulum to which the Stylus is attached. Stylus, moving out of its straight path, puts a jog in the line on the chart indicating that lubricant pressure was great enough to produce a lubrication cycle. After the lubrication cycle is completed, the lubricant pressure is reduced, the Pressure Control rod retracts and the Pendulum moves back to its original position.

Pressure Control is set at the factory to operate 2,500 P.S.I.G. minimum lubricant pressure. To lower the pressure, loosen the Locknut and turn the Adjusting Screw counter-clockwise and tighten the Locknut. To raise the pressure (up to 3,500 P.S.I.G. maximum), loosen the Locknut and turn the Adjusting Screw clockwise and tighten the Locknut.

The clock movement is a delicate mechanism and should be handled with care. If clock movement should fail, it can easily be removed for repair or replacement. Unscrew the Winding Disc by turning counter-clockwise and pry out the wire Retaining Ring which holds the clock in place.

When the key is turned to lock or unlock the Recorder, the Stylus makes a round dot at the exact time on the chart.

NOTE: Model 83884 includes 50 paper charts. Additional sets of 50 may be ordered under part number 69357-1

## REPAIR PARTS LIST

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
13462	Housing	57133	Extension Spring
13464	Pin	57134	Hook
13465	Nut	65221	Name Plate
13499	Body	66088	Cotter Pin
13652	Adapter	66765	Retaining Ring
14623	Washer	68495	Lockwasher
14624	Spring Guide	69357-1	Charts 50
50778	Screw	83886	Recorder Assembly
50790	Screw	90924-2	Packing Assembly
51010	Nut	92387	Mounting Plate Assembly
55277	Spring		

### RETAIN THIS INFORMATION FOR FUTURE REFERENCE

When ordering Replacement Parts, List Part Numbers, Description, Model Number, and Series Letter.

LINCOLN ST. LOUIS Provides a Distributor Network that stocks Equipment and Replacement Parts.

Repairs by Authorized Service Depts. List furnished upon request.