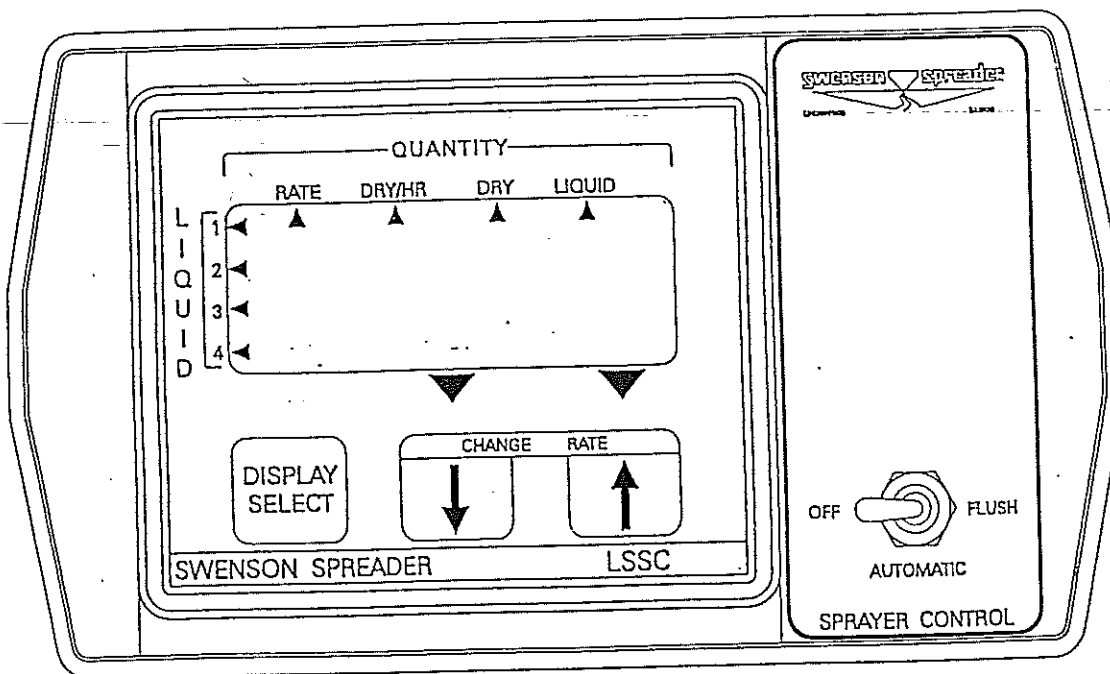


# OPERATOR'S

# MANUAL

# SWENSON LSSC III



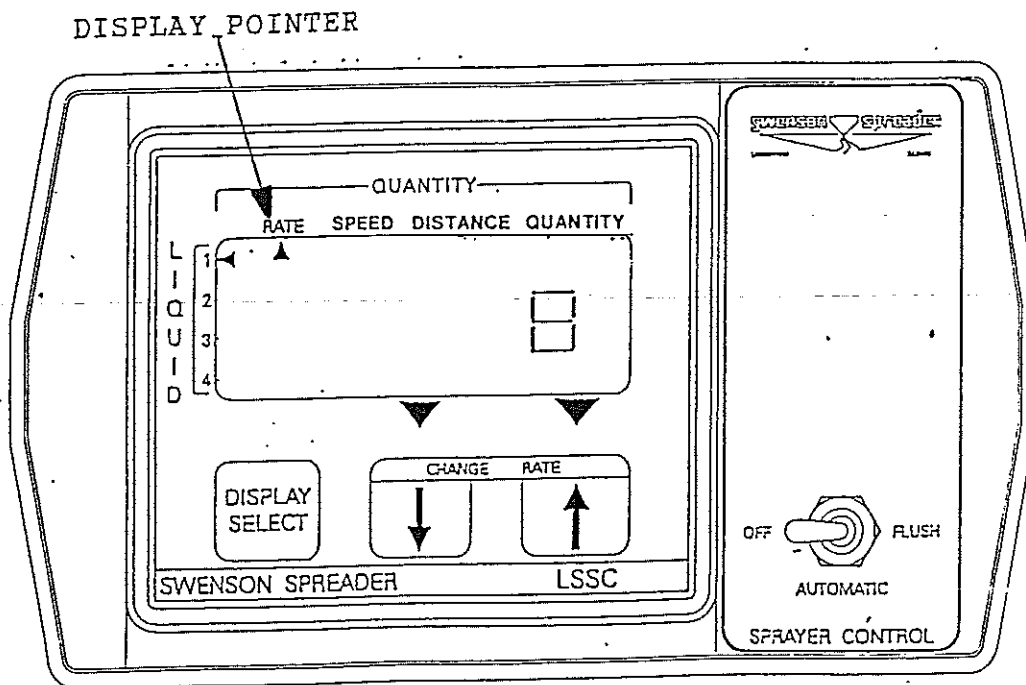
**swenson**  **spreader**

Part No. 00112 642 00  
11-3-94

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# LSSC III SPRAYER CONTROL

## OPERATOR CONTROLS (OPERATE MODE)



**DISPLAY SELECT** - This switch selects the quantities that are displayed on the screen. The selectable readouts are RATE (Gallons/Ton or Liters/Metric Ton), SPEED, DISTANCE Sprayed (Total Miles/Kilometers) and Liquid (Gallons/Liters Sprayed). The DISPLAY SELECT touch switch also selects the LIQUID Pointer function (LIQUID 1,2,3 or 4).

**CHANGE RATE (↓↑ SWITCHES)** - The ↓ and ↑ switches are used to change the rate by the amount, as programmed, in the direction indicated by the switch arrow.

In the Change Liquid Pointer position (when the pointer is flashing), the ↓ and ↑ switches are used to move the pointer up or down consistent with the arrow direction.

**SPREADER CONTROL SWITCH** - Three Position Switch.

**OFF Position** - Shuts sprayer off. (Sprayer will automatically stop when the vehicle stops).

**AUTOMATIC Position** - Provides automatic liquid control.

**FLUSH Position** - Provides a command that causes the liquid pump to spray at maximum output. To lock in, hold switch to FLUSH for 3 seconds. Used to UNLOAD tank. VEHICLE MUST BE STOPPED.

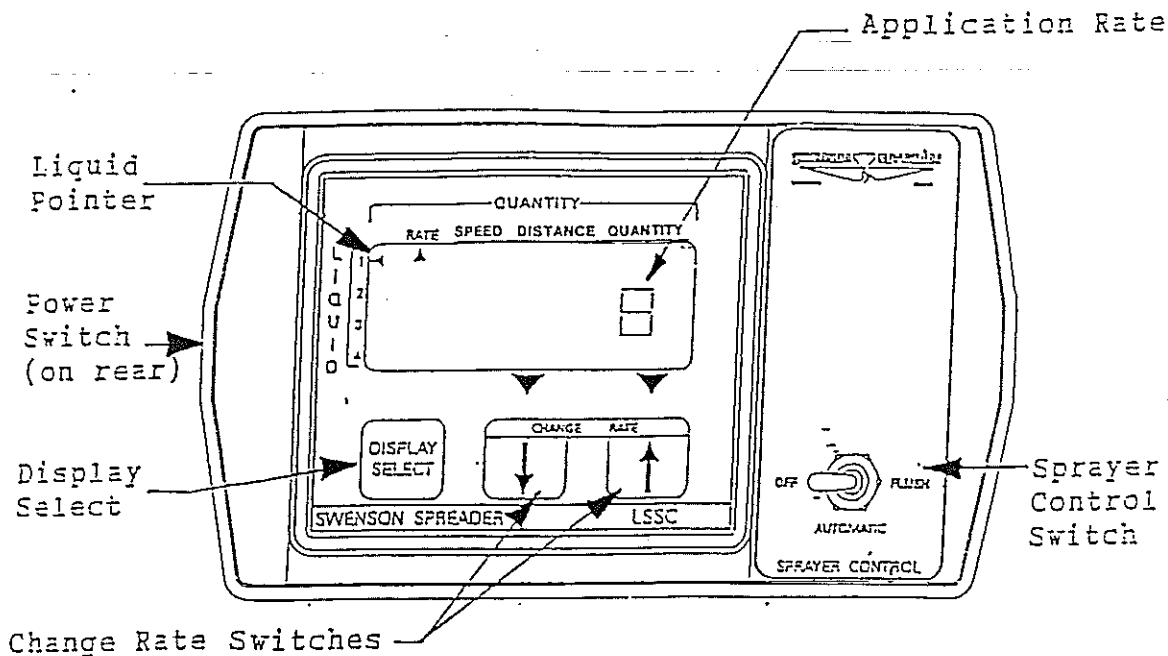
**POWER Switch** - Applies battery power to the control system.

## DISPLAY POINTER

The Display Pointer on the top of the display screen indicates the following data:

1. **RATE** - Application RATE readout in Gallons per Mile (Liters/Kilometer).
2. **SPEED** - Speed in miles per hour (kilometer/hour).
3. **DISTANCE** -
  - a. Distance Sprayed in miles (kilometers). This accumulates separately for the type of LIQUID (1,2,3 or 4) This allows you to keep records of the amount sprayed with each LIQUID type applied (In most cases only 1 will be used).
  - b. DISTANCE counts up to 999,999 tons (miles/kilometers).
4. **LIQUID** - Gallons sprayed (liters).
  - a. Liquid sprayed stores separately for the type of liquid you are spraying (1,2,3 or 4). This allows you to keep records of the amount of gallons (liters) which you have sprayed throughout the season.
  - b. Liquid sprayed counts up to 999,999 gallons (liters).

The following illustration indicates how to move the DISPLAY POINTER:



Pressing the **DISPLAY SELECT** switch moves the **DISPLAY POINTER** to readout **RATE**, **SPEED**, **DISTANCE**, and **LIQUID SPRAYED**.

**CHANGING LIQUID POINTER** - To change the **LIQUID POINTER** (If more than one **LIQUID TYPE** is going to be sprayed: Position the **SPRAY CONTROL** Switch to **OFF** and move the **DISPLAY POINTER** by pressing the **DISPLAY SELECT** switch until the **LIQUID POINTER** begins flashing. Use the **UP** and **DOWN CHANGE RATE** Switches to change pointer position. To **Lock IN** Press **DISPLAY SELECT** switch.

## DISPLAY WARNINGS AND ALARMS -

**APr.ERR** (Application Rate Error) - This DISPLAY message occurs when the sprayer is pumping at full capacity (PUMP IS AT MAXIMUM) and the system can no longer regulate to the target rate.

If this condition exists, one of the following can be done to allow the system to regulate without the alarm -

1. **Check Liquid Tank.** The tank may be empty.
2. Decrease ground speed.
3. Reduce Liquid Rate.
4. Reduce spray rate. Rate may be too high for application.

### FLASHING "MANUAL" Display

The Control System has an automatic override function which occurs in the event of loss of the Liquid Flowmeter Sensor signal.

If "MANUAL" begins to flash on the display: Check to see if the SPRAYER still sprays in AUTOMATIC when the spreader is running.

1. If the system still sprays, continue spraying until you can report the display to the mechanic.
2. If the liquid system does not spray:
  - a. Check to see if the spray tank has liquid in it.
  - b. Check "Shut-off valve" on tank - make sure it is on.
  - c. Check to make sure liquid hoses are not loose.
  - d. Possible defective pump - return to have pump repaired - turn SPRAYER switch to OFF.