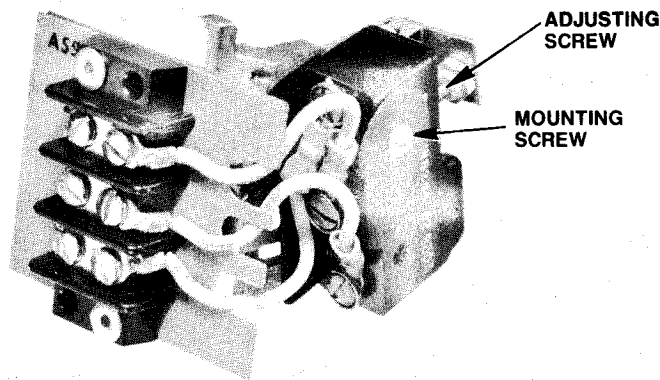




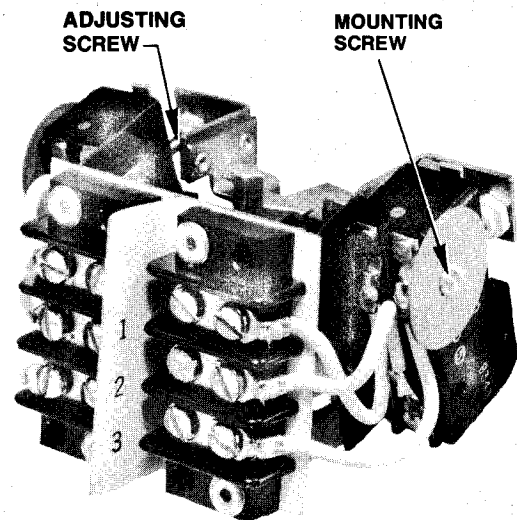
# Series B, C, D, F, O, S, U, W, X & Z

## Dry contact snap switches

### REPLACEMENT INSTRUCTIONS & PARTS LIST



**SPDT MECHANISM**



**DPDT MECHANISM**

Dry contact switches used in Magnetrol® Series B, C, D, F, O, S, U, W and X switch mechanisms are easily removed and replaced when damaged or broken.

1. Disconnect the Magnetrol control from the power supply.
2. Disconnect the switch leads from terminal block. Note and record the terminal connections of switch to be replaced.
3. Remove the mounting screw holding existing switch. Note the position of the two fiber switch barriers.
4. Remove existing switch and install replacement switch in the same position, tightening the mounting screw securely. Make sure the fiber switch barriers are in place and the lower hole in the switch is mounted on the tang.

**NOTE:** For proper operation of the replacement switch, it must actuate in the **middle portion** of the pivoted magnet's swing.

5. Check switch action and adjust as follows:
  - A. Slowly rotate the pivoted magnet by hand; back and forth, through its angle of swing; listening closely for the actuating "click" of the switch in each direction.
  - B. Check to see if there is equal additional over-travel of the magnet in its swing after the switch "click" in either direction.
  - C. If the switch actuation is not correct, change the adjustment of the actuating screw using a 1/16" hexagon key wrench.

**NOTE:** If a single switch is being replaced on a DPDT mechanism, the lever of the second switch must be depressed and held to allow for the audible adjustment of the new switch, as described above.

- D. With the new switch in adjustment, release the lever of second switch and perform the "fine-tuning" of both switches to provide simultaneous actuation (clicks).
6. Reconnect the power supply and test the switch action by varying liquid level in the vessel; or, by "blowing down" the float chamber.
7. If switch is installed in a corrosive atmosphere, brushing terminals and terminal leads with varnish will extend switch life.

# IMPORTANT

## SERVICE POLICY

Owners of Magnetrol products may request the return of a control; or, any part of a control for complete rebuilding or replacement. They will be rebuilt or replaced promptly. Magnetrol International will repair or replace the control, at no cost to the purchaser, (or owner) other than transportation cost if:

- a. Returned within the warranty period; and,
- b. The factory inspection finds the cause of the malfunction to be defective material or workmanship.

If the trouble is the result of conditions beyond our control; or, is NOT covered by the warranty, there will be charges for labor and the parts required to rebuild or replace the equipment.

In some cases, it may be expedient to ship replacement parts; or, in extreme cases a complete new control, to replace the original equipment before it is returned. If this is desired, notify the factory of both the model and serial numbers of the control to be replaced. In such cases, credit for the materials, returned will be determined on the basis of the applicability of our warranty.

No claims for misapplication, labor, direct or consequential damage will be allowed.

## RETURNED MATERIAL PROCEDURE

So that we may efficiently process any materials that are returned, it is essential that a «Return Material Authorization» tag be obtained from the factory for attachment to the goods. This is available through Magnetrol's local representative or by contacting Magnetrol Customer Satisfaction supplying the following information:

1. Purchaser Name
2. Description of Material
3. Magnetrol Order Number
4. Serial Number
5. Reason for Return
6. Desired Action

All shipments returned to the factory must be by prepaid transportation. Magnetrol will not accept collect shipments. All replacements will be shipped FOB factory.

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UNDER RESERVE OF MODIFICATIONS



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