Service Bulletin [1992-1]

Putting Allen Bradley SCL-150 Controllers Back in the Run Mode
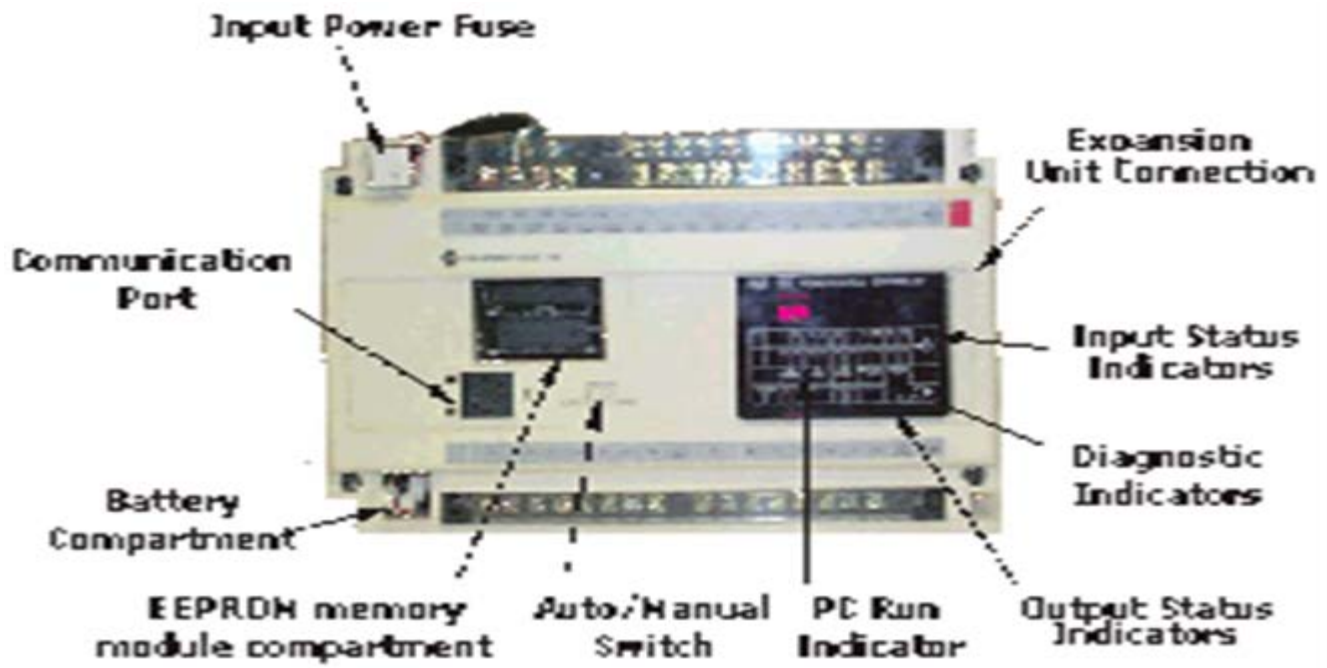

Figure 1 – Allen Bradley SLC-150 Controller

Allen Bradley SLC-150 Controllers are used on many Besser machines. Since 1988 most Besser Concrete Products Machines, SF-7 Cubers, BTO's and LSC-40 Crawlers have SLC-150 controllers inside the control panel. The PC Run Light, L.E.D. must be illuminated for the controller to operate.

The SLC-150 may drop out of Run during lightning storms, welding on the machine, amperage surges, or voltage fluctuations, either up or down. If the SLC-150 drops out of Run, the Run L.E.D., will go out and usually an error message will be displayed on a T CAT or hand held programmer. If you are repeatedly dropping out of Run, contact the Besser Technical Service Department for assistance.

In most cases, a hand held programmer, Besser Part No. 112778 is required to get back into the **Run Mode**. If you do not have this unit, follow Part 1 on page 2.

WARNING
Have all personnel remain clear of the controller equipment when power is applied. Intermittent and sudden unexpected machine motion could occur and result in injury. Have someone ready to operate an emergency stop switch in case it becomes necessary to shut off power to the controller equipment. See NFPA 70E Part II for additional guidelines for safety related work practices.

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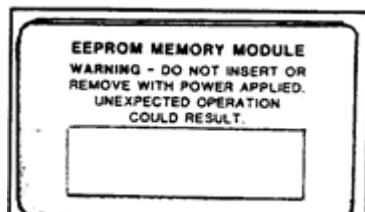## Putting Allen Bradley SCL-150 Controllers Back in the Run Mode

Fig. 2 –EEPROM Memory module

Fig. 3 - Hand held programmer

PART 1: STEPS TO GET INTO THE RUN MODE WITHOUT A HAND HELD PROGRAMMER.

1. Make sure the Auto/Man Switch is in the Auto position.
2. Turn the power off for ten seconds - then turn it back on. If the RUN LIGHT is still not ON, proceed to Step 3.
3. Download your EEPROM chip. (Besser No. 112668)
    a) Turn the power OFF.
    b) Plug the correct EEPROM chip into the SLC-150.
    c) With the Auto/Main Switch in Auto, turn the power ON for ten seconds.
    d) Turn the power OFF. Remove the EEPROM chip.
    e) Turn the power back ON.
4. If you are still not in RUN MODE, you must use a Hand Held Programmer. Proceed to Part 2.

PART 2: USING A HAND HELD PROGRAMMER - QUICK METHOD.

1. With the pane power OFF, plug the hand held programmer into the front of the SLC-150. (If you have a T CAT, it will have to be unplugged first).
2. Turn the power ON at the panel and on the programmer.
    a) After 5 seconds, see if an error code, E and a number following it, like E06, is shown in the data area. If and error code is displayed, press the CANCEL CMD, button on the programmer. Then continue to 3 b.
    b) When an abbreviation for one of the 9 modes and the mode # is displayed, press mode, 3, ENTER. Mode 3 is RUN and entering mode 3 will put the SLC-150 back into RUN.

    NOTE: If you followed part 2 above, but the machine will still not function normally, follow the steps in Part 3.

PART 3: USING THE HAND HELD PROGRAMMER AND "DOWNLOADING" THE CHIP.

1. All the steps in Part 2 have been completed with the programmer plugged in; the RUN light may or may not be on.
2. Make sure the programmed EEPROM chip is not plugged into the SLC-150.
    a. NOTE: Always make sure you have a programmed chip on hand before doing step 3 of Part 3.
3. Press MODE, 1, ENTER, when it asks SURE? on the programmer, press ENTER again. This will clear the program in the SLC-150.
4. Press, MODE, 3, ENTER, on the programmer to get the RUN light back on.
5. Download your EEPROM chip by following the Part 1 - Step 3 instructions.

NOTE: Make sure the Run light is on before downloading the chip.

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SAFETY BULLETIN

This notice is issued to advise you that some previously accepted shop practices may not be keeping up with changing Federal and State Safety and Health Standards. Your current shop practices may not emphasize the need for proper precautions to insure safe operation and use of machines, tools, automatic loaders and allied equipment and/or warn against the use of certain solvents or other cleaning substances that are now considered unsafe or prohibited by law. Since many shop practices may not reflect current safety practice and procedures, particularly with regard to the safe operation of equipment, it is important that you review your practices to ensure compliance with Federal and State Safety and Health Standards.

IMPORTANT

The operation of any machine or power-operated device can be extremely hazardous unless proper safety precautions are strictly observed. Observe the following safety precautions:

ALWAYS:

- ✓ Be sure proper guarding is in place for all pinch, catch, shear, crush, and nip points.

- ✓ Be sure that all personnel are clear of the equipment before starting it.

- ✓ Be sure the equipment is properly grounded.

- ✓ Turn the main electrical panel off and lock it out in accordance with published lockout/tagout procedures prior to making adjustments, repairs, and maintenance.

- ✓ Wear appropriate protective equipment such as safety glasses, safety shoes, hearing protection, and hard hats.

- ✓ Keep chemical and flammable material away from electrical or operating equipment.

- ✓ Maintain a safe work area that is free from slipping and tripping hazards.

- ✓ Be sure appropriate safety devices are used when providing maintenance and repairs to all equipment.

<u>NEVER</u>:

✓ Exceed the rated capacity of a machine or tool.

✓ Modify machinery in any way without prior written approval of the Besser Engineering Department.

✓ Operate equipment unless proper maintenance has been regularly performed.

✓ Operate any equipment if unusual or excessive noise or vibration occurs.

✓ Operate any equipment while any part of the body is in the proximity of potentially hazardous areas.

✓ Use any toxic flammable substance as a solvent cleaner.

✓ Allow the operation or repair of equipment by untrained personnel.

✓ Climb or stand on equipment when it is in operation.

It is important that you review Federal and State Safety and Health Standards on a continual basis. All shop supervisors, maintenance personnel, machine operators, tool operators, and any other person involved in the setup, operation, maintenance, repair or adjustment of Besser-built equipment should read and understand this bulletin and Federal and State Safety and Health Standards on which this bulletin is based.