

Trendsetter Autoloader

Upgrade of New SSR Unit onto Old MCU

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Revision History

Revision	Date	Author	Comments
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1. PARTS

Parts being removed	Parts being added
10-4351B	**10-4351C** *Part of assembly 11-0939A or 11-0940A on MCU upgrade.*
NEW	**10-4876A** *Part of assembly 11-0939A or 11-0940A on MCU upgrade.*
NEW	**10-4648B** *Part of assembly 11-0939A or 11-0940A on MCU upgrade. .*
NEW	**10-4917A** Umbilical cable, attaches from MCU bulkhead to SSR.
NEW	**10-4952A** Attaches to cable 10-4351C.
NEW	**10-4889A** Attaches to cable 10-4754B.
10-4754A	**10-4754B**
10-4705A	**10-4705B** *Part of assembly 11-0939A or 11-0940A*
10-4729A	**10-4729B***Part of assembly 11-0939A or 11-0940A*

2.

3. TOOLS

- Set of Metric Allen Keys
- Electric drill
- 5mm drill bit with M6 tap
- Slotted screwdriver

4. UPGRADE PROCEDURE

1. Turn off the Autoloader Machine.
2. Drill three 5mm holes onto the skins of the MCU. Then tap the holes with the 6mm tap bit.
3. Attach cable adapter box (item 0010) to the MCU. Use the three screws (0020), along with nut (0030) and lock washer (0040).
4. Run the pneumatic air line for the SSR under the skins, to the adapter box. Attach the pneumatic hose to the back of the blue connector on the bulkhead of the adapter box (item 0010). See Figure 1.

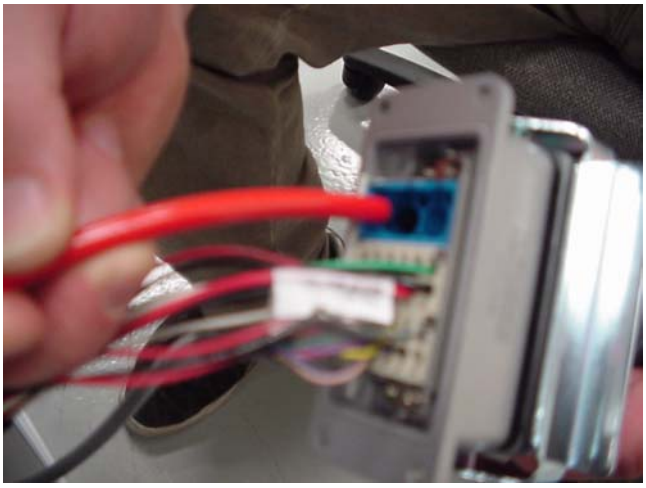


Figure 1

5. Remove the back panel to the MCU unit. Then proceed to remove the cover off of the power box.
6. Run the cables attached to the adapter box(item 0010) under the skins of the MCU.
7. Remove cables 10-4351B, 10-4705A, and 10-4754A located in the MCU power box. Also remove cable 10-4729A from the MCU manifold. Replace them with cables 10-4351C, 10-4705A, 10-4729B(all part of item 0010) and 10-4754A(item 0130).
8. Attach relays (item 0050) to the relay plate(item 0100), using the screws, nuts, and washers provided(items 0060-0090).
9. Attach the relay assembly to the bottom of the power box, using double-sided tape.
10. Attach new cables 10-4888A(item 0140), 10-4889A(0150), and 10-4648B to the power box. Cable 10-4648B is part of the assembly in item 0010. It extends from the SSR adapter connection to the power supply for the SSR, located in the power box.
11. Attach cable 10-4888A and 10-4889A to the new relays. Connect the brown wires of cable 10-4888A to pin 6 and the black wires to pin 1 of each relay. Attach the red and black wires of cable 10-4889A to pins 5 of each relay.
12. Cable 10-4889A also comes with 3 jumpers. Attach the two short jumpers across pins 2 and 4 of each relay. And attach the long jumper from pin 3 of one relay to pin 3 of the other. See figure 2.



Figure 2.

13. Place the cover back on to the power box. Then place back the cover on the MCU.
14. Attach one end of cable 10-4917A(item 0140) to the new bulkhead on the adapter box, and the other end to the SSR.
15. The electrical upgrade is complete.