

Controller Upgrade

95 Magnum

Ser. # DJ-2001-95 thru DJ-2199-95

Service kit # 26-6834-00

Kit Description:

The Aromat controller, which was used in the 95 series Magnum, has been discontinued by the manufacturer.

This kit replaces the Aromat controller with an Allen Bradley controller. Installation of this kit requires a high level of technical expertise and a very good understanding of the 95 series Magnum. It is recommended that this kit be installed by a Norfield factory trained technician only.

Parts List:

1.	1	25-95MG V2_0	AB Controller with 95 Mag Program
2.	1	11-1782	Fuse Holder
3.	2	11-1448	Fuse
4.	1	11-300	Crydom Relay
5.	1	11-354	Idec Relay
6.	20		Small Tie Raps
7.	1	6811-042	Schematic

Instructions:

1. Make a note of the color of each wire connected to the controller and to which terminal it is connected.
2. Disconnect all of the wires from the controller. Remove the controller and the mounting hardware.
3. Drill two new holes in the back of the electrical box to mount the short controller mount bar horizontally. The controller must be mounted so that it can be seen through the window.
4. Remove and discard the cover from the center of the window.
5. Drill a hole in the control panel to mount the fuse holder.
6. Identify the blue wire that runs from the E-stop to the accessory plug. Disconnect this wire at both ends.
7. Connect a jumper wire from the hot lead on the butt router plug to the hot lead on the accessory plug.
8. Identify the terminal in the raceway that the width index end of travel limit switches are connected to. Remove the wire going to the top limit switch and connect it to the blue wire from step 6. Leave the wire from the bottom limit switch connected to the terminal.
9. Connect the wires to the new controller as per the schematic 6811-042.

Width Motor Upgrade

95 Magnum

Ser. # DJ-2001-95 thru DJ-2199-95

Kit Description:

The width index motor on the 95 Magnum was originally wired to run on 120vAC. Running the width index motor on 220vAC will reduce the inrush current and the power relay will last longer.

When the controller is changed to the Allen Bradley it is recommended that the width index motor be rewired to run on 220vAC.

Installation of this kit requires a high level of technical expertise and a very good understanding of the 95 series Magnum. It is recommended that this kit be installed by a Norfield factory trained technician only.

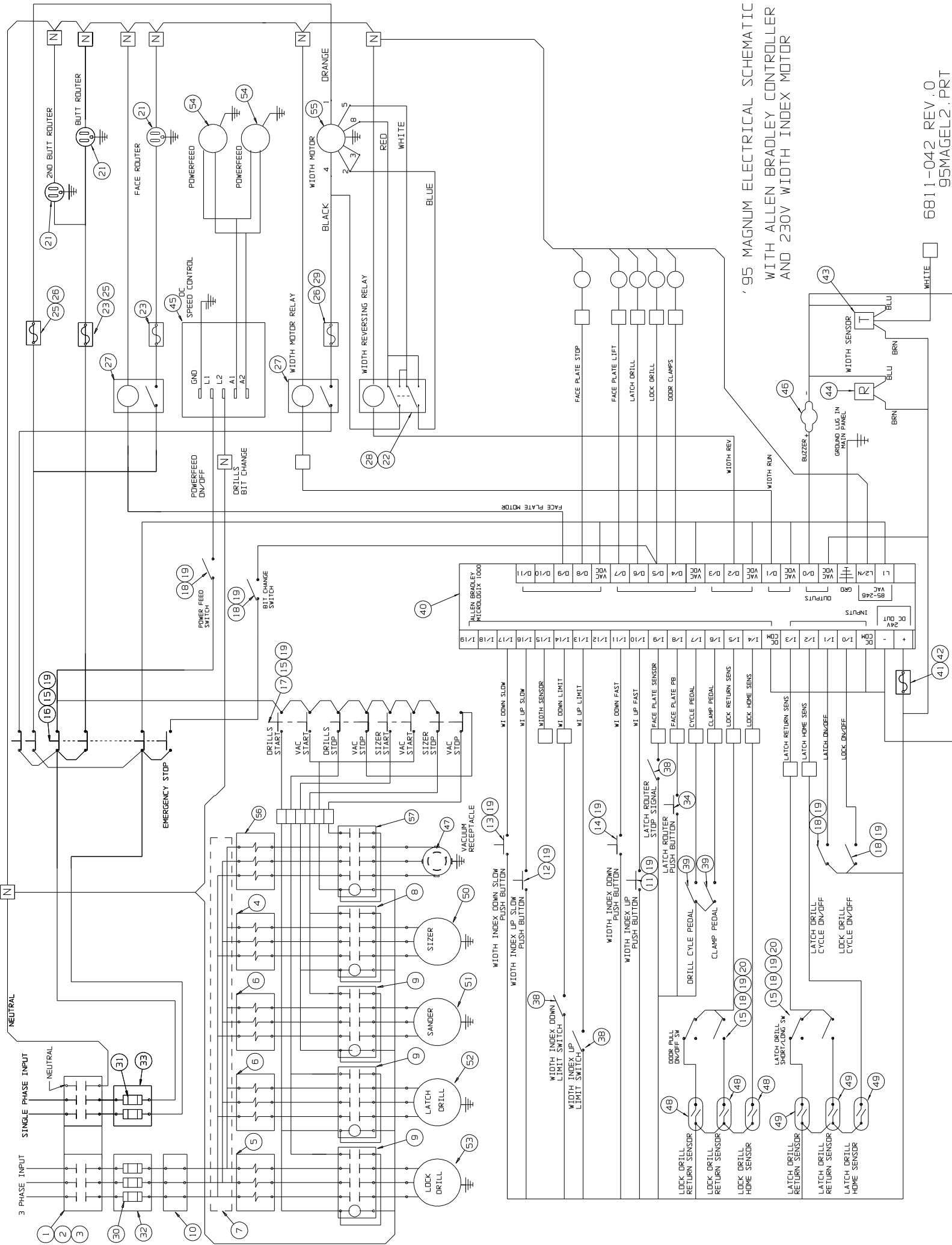
Parts List:

1. 10' of 16-6 Wire
2. 2 Strain Relief's that fit above wire.
3. 20' of Blue 16ga Wire
4. 20 Medium Tie Raps
5. 10 Yellow Wire Nuts
6. 1 Schematics # 6811-042

Instructions:

1. Locate the connection point, in the wire way, for the 4 conductor wire from the width motor. Make a note of the wire colors that are connected together at this point.
2. Remove the 4 conductor cable that runs between the width index motor and the wire way.
3. Install the 6 conductor cable between the width index motor and the wire way.
4. Connect the wires in the motor electrical box as shown in the schematics #6811-042. Connect the green wire to the ground lug of the motor.
5. Install one new blue wire in the wire way running from the motor connection point to the main electrical box.
6. Connect the 6 new wires from the motor in the wire way as follows...
 - A. Connect the new black wire from the motor to the same wire the old black wire was connected to.
 - B. Connect the new red wire from the motor to the same wire the old red wire was connected to.
 - C. Connect the new white wire from the motor to the same wire the old green wire was connected to.
 - D. Connect the new blue wire from the motor to the new blue wire that you installed in step 4.
 - E. Connect the new green wire to the ground lug in the wire way.

- F. Connect the new orange wire from the motor to the same wire the old white wire was connected to. Trace this wire back to the main electrical box and disconnect it from the neutral block.
6. Locate the accessory plug fuse in the main electrical box. Disconnect both of the wires from the fuse holder and connect them together with a wire nut.
 7. Connect the white wire that you disconnected from the neutral block in step 5F, to one end of the fuse holder. Connect a wire from the other end of the fuse holder to the #1 terminal on the Face Plate Router relay.
 8. Locate the width index direction relay. On the relay base there is a neutral jumper that runs from one of the upper level terminals to one of the lower level terminals. Remove this jumper. Leave the neutral wire connected to the upper terminal. Connect the new blue wire, installed in step 4, to the lower terminal that the jumper wire was connected to.



'95 MAGNUM ELECTRICAL SCHEMATIC
 WITH ALLEN BRADLEY CONTROLLER
 AND 230V WIDTH INDEX MOTOR

**'95 MAGNUM ELECTRICAL SCHEMATIC
(208V/230V With Allen Bradley Controller)**

ITEM	PART NO.	DESCRIPTION	QTY/ASSY
1	11-693	S&S LA3-63-1756 6 POLE SWITCH	1
2	11-752	S&S LFS2-E-6-1751 HANDLE ASSEMBLY	1
3	11-696	S&S LA2-G2853 EXTENSION MODULE	1
4	11-697	S&S KTA3-25-16A MOTOR PROTECTOR	1
5	11-698	S&S KTA3-25-6.3A MOTOR PROTECTOR	1
6	11-699	S&S KTA-3-25-4A MOTOR PROTECTOR	2
7	11-775	S&S KT3-25-DB-45-5 BUSS BAR	1
8	11-701	S&S CA3-16-10-120-NO CONTACTOR	1
9	11-702	S&S CA3-9-10-120-NO CONTACTOR	3
10	11-704	S&S KT3-25-A3 TERMINAL BLOCK	1
11	11-705	S&S DT3Q-B-73-00 PUSH BUTTON	1
12	11-706	S&S DT3Q-B-80-00 PUSH BUTTON	1
13	11-707	S&S DT3Q-Y-80-00 PUSH BUTTON	1
14	11-708	S&S DT3Q-Y-74-00 PUSH BUTTON	1
15	11-709	S&S DE3-01 NC CONTACT BLOCK	7
16	11-710	S&S DNS3-40-00 E-STOP BUTTON	1
17	11-711	S&S DM3N-7366-8467 START/STOP BUTTON	1
18	11-715	S&S DSK3Q-A-00/00 SELECTOR	5
19	11-716	S&S DE3-10 NO CONTACT BLOCK	10
20	11-748	S&S 474-51 BRIDGE	2
21	11-111	BRYANT 5279 RECEPTACLE	2
22	11-146	IDEC SH2B-02 RELAY BASE	1
23	11-231	BUSSMAN SC-20 FUSE	3
25	11-235	BUSSMAN BG3023B FUSE HOLDER	1
26	11-230	BUSSMAN SC-15 FUSE	1
27	11-300	CRYDOM TA-2425 RELAY	2
28	11-354	IDEC RH2BU-110V RELAY	1
29	11-634	BUSSMAN BG3021B FUSE HOLDER	1
30	11-773	BUSSMAN LPJ-40SP FUSE	3
31	11-719	BUSSMAN LPJ-30SP FUSE	2
32	11-720	BUSSMAN J-60060-3C FUSE HOLDER	1
33	11-721	BUSSMAN J-60030-2C FUSE HOLDER	1
34	11-794	ITW 95-111 SWITCH	1
38	11-543	OMRON D4C-1620 LIMIT SWITCH	3
39	11-574	DAYTON 5A287 FOOT SWITCH	2
40	25-95MG V2_0	AB MICROLOGIX CONTROLLER W/PROGRAM	1
41	11-1426	FUSE HOLDER 1492-WFB4	1
42	11-1520	FUSE GMA-3 MINI FAST	1
43	11-691	BANNER SE61E PHOTO EYE	1
44	11-692	BANNER SE61R PHOTO EYE	1
45	11-722	DAYTON 4Z827 SPEED CONTROL	1
46	11-746	MALLORY SC628N BUZZER	1
47	11-783	BRYANT 71520-ER RECEPTACLE	1
48	10-673	BIMBA MRS-087-XB-17 SENSOR	3
49	10-672	BIMBA MRS-087-XB-31 SENSOR	3
50	15-015	LINCOLN 5HP/3600RPM MOTOR	1
51	15-013	LINCOLN 1HP/1800RPM MOTOR	1
52	6802-008	LINCOLN 1HP/1800RPM MOTOR	1
53	15-016	LINCOLN 2HP/1800RPM MOTOR	1
54	15-136	DAYTON 4Z531 MOTOR	2
55	15-132	DAYTON 1K057 MOTOR	1
56	11-753	S&S KTA3-25-10A MOTOR PROTECTOR	1
57	11-770	S&S CA3-12-10-120-NO CONTACTOR	1