

FLEXPAK PLUS/ MINPAK PLUS

ACCESSORY

INSTRUCTION MANUAL D-3965

SERIES FIELD KIT

MODEL NUMBERS 14C620, 14C621, 15C622
ASSEMBLY DRAWINGS 705385-76

The equipment described below should be installed only by qualified electrical maintenance personnel familiar with the construction and operation of the equipment and the hazards involved.

DESCRIPTION

The Series Field Kit provides a means of accomplishing dynamic braking or armature contactor reversing without having the interaction and time constant of the series field within these functions. The kit consists of additional terminals added to the power module terminal board, related harnessing and terminal markers. (Figure 1).

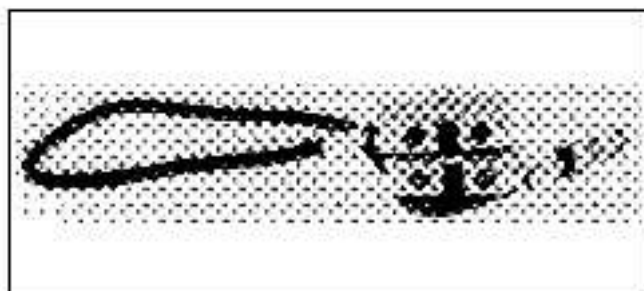


Figure 1 – Series Field Kit

Table 1

Kit Model Number	Controller Rating
14C620	3-10 hp @ 230VAC
14C622	3-20 hp @ 460VAC
14C621	15-20 hp @ 230VAC and 25-40 hp @ 460VAC

INSTALLATION INSTRUCTION

WARNING

BEFORE ATTEMPTING TO INSTALL THIS MINPAK PLUS/FLEXPAK PLUS MODIFICATION KIT, DISCONNECT AND LOCK OUT ALL SOURCES OF INCOMING POWER TO THE CONTROLLER.

1. Open the face plate and let it hang down.
2. Remove fuse/circuit breaker mounting plate from auxiliary panel by removing three screws.
3. Disconnect lead #45 at contactor (Refer to Figures 6 & 7)
4. **FlexPak Plus only** – Install terminal block S1 between existing terminals 53 & 45.
Add marking tag, S2 to top of existing terminal 45. (Figure 4) disconnect lead 45 at terminal block and remove this lead totally from controller.
MinPak Plus only – Install terminal blocks S1 & 45-S2 between existing terminal blocks A2 and F1. Reconnect lead 45 to terminal block 45.
5. Connect lead S1 to contactor. Lead must be routed under terminal board mounting bracket (Refer to Figures 4-7).
6. Remount fuse/circuit breaker plate to auxiliary chassis using screws previously removed.
7. Tighten all connectors that may have been loosened during kit installation.
8. Close face plate and tighten screws.

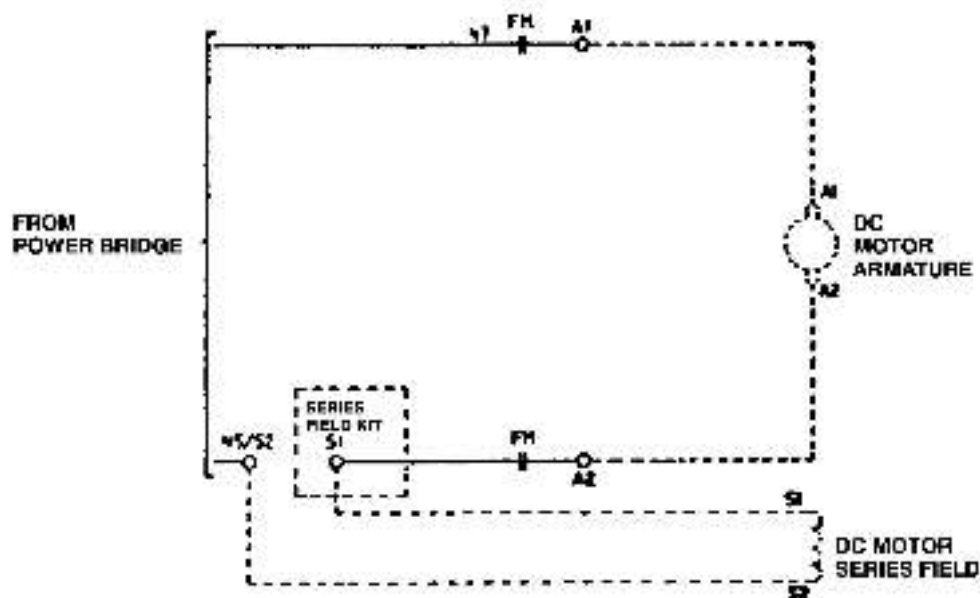


Figure 2 – Series Field Kit Schematic

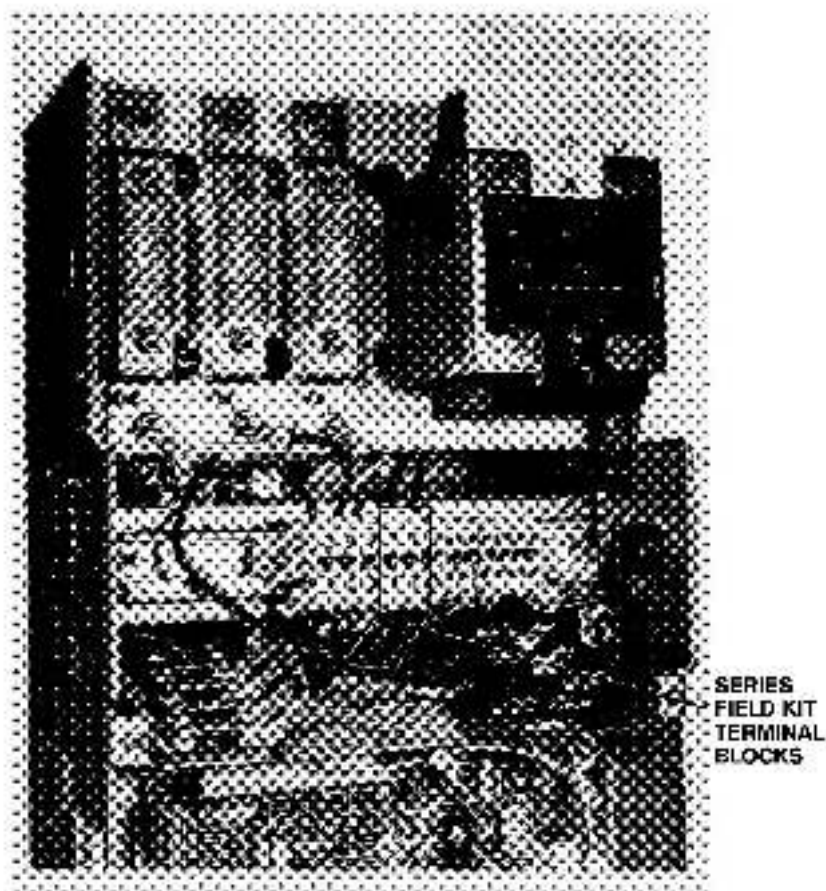


Figure 3 – Series Field Kit Installed In FlexPak Plus

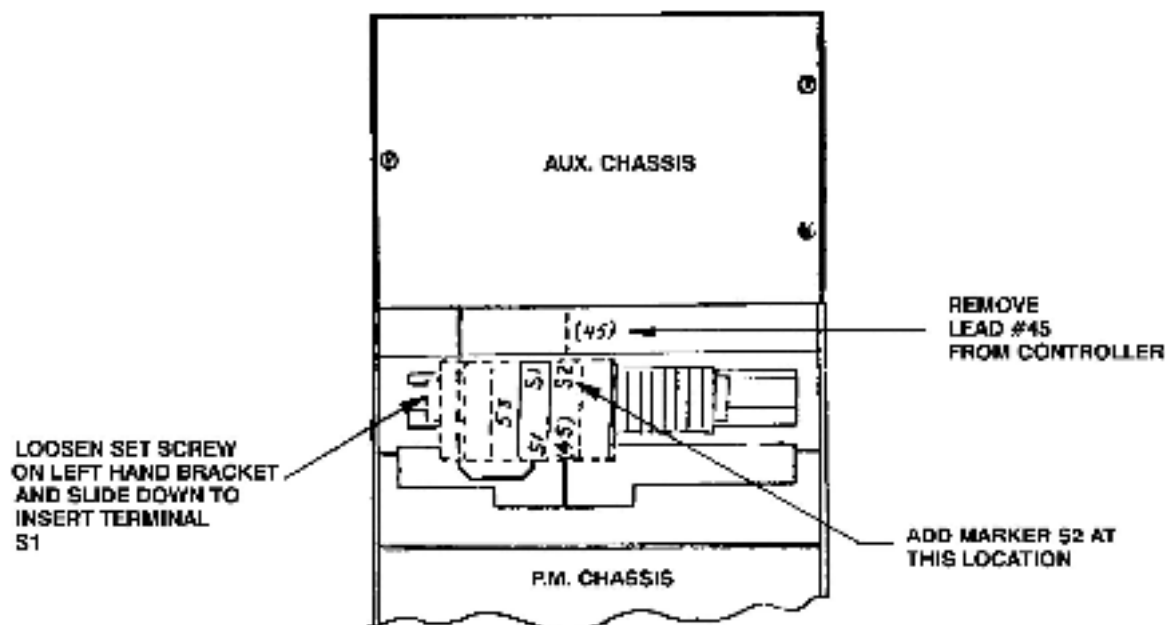


Figure 4 – Series Field Kit Installation FlexPak Plus

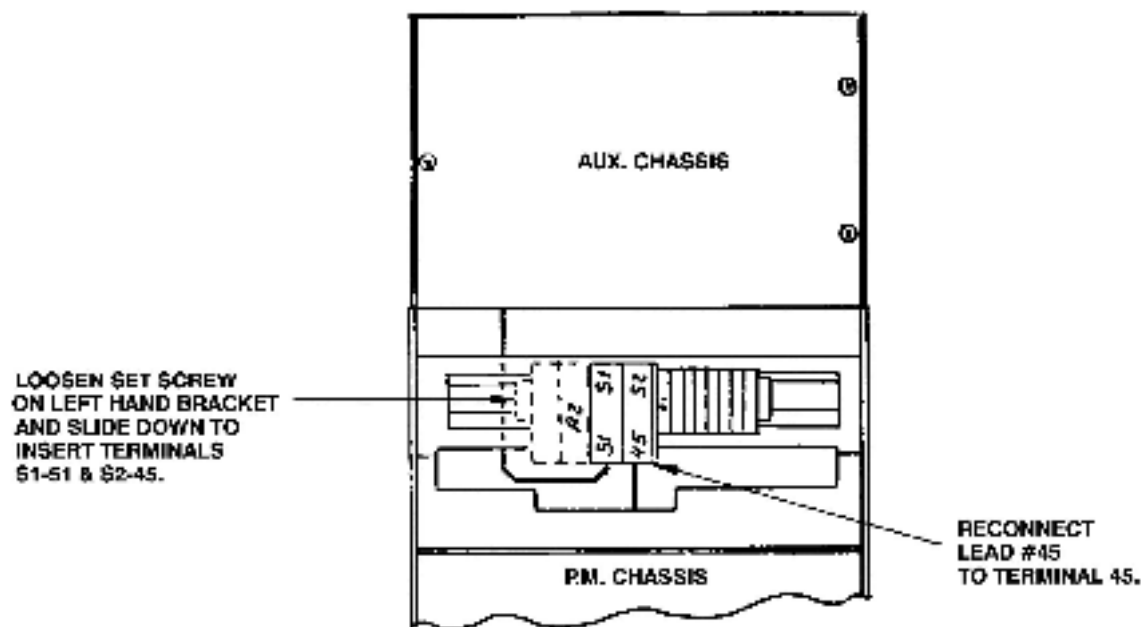
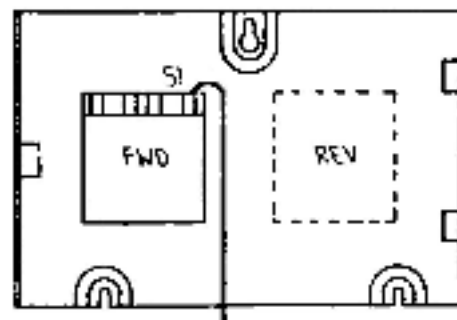


Figure 5 – Series Field Kit Installation MinPak Plus



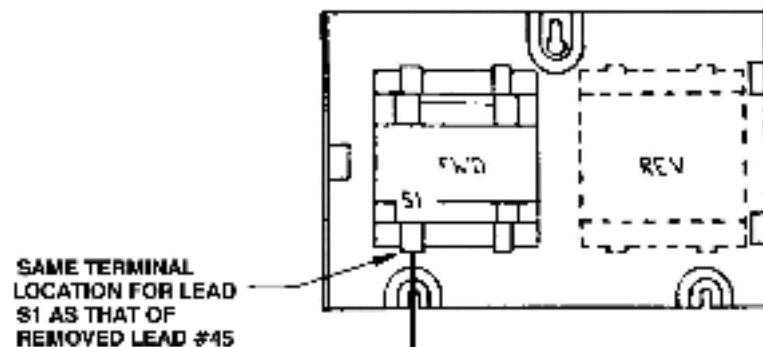
FRONT VIEW OF
AUXILIARY CHASSIS



TOP VIEW
OF CONTACTOR

SAME TERMINAL
LOCATION FOR LEAD
S1 AS THAT OF
REMOVED LEAD #45

Figure 6 – Series Field Kit Installation Wiring To Contactor On Model Number Kit 14C620



SAME TERMINAL
LOCATION FOR LEAD
S1 AS THAT OF
REMOVED LEAD #45

Figure 7 – Series Field Kit Installation Wiring To Contactor On Model Numbers 14C621 & 14C622

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