



CONTACTOR COVER KIT Model Number 23C110, 23C111, 23C112 and 23C310 Assembly Drawing 705389

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

Contactor cover kit model 23C110 fits non-regenerative MaxPak Plus controllers from 5 through 20 hp at 230 volt a-c input and from 5 through 40 hp at 460 volt a-c input. Contactor cover kit 23C111 fils non-regenerative MaxPak Plus controllers from 25 through 75 hp at 230 volta-cinput 50 through 150 hp at 460 volta-cinput, and 40 through 180 hp at 550 volt a-c input. Contactor cover kit 23C112 fits non-regenerative MaxPak Plus controllers from 200 through 300 hp at 460 volt a-c input. Contactor cover kit model 23C310 fits all regenerative Max-Pak Plus controllers. These kits are intended to provide a flat mounting surface for customer supplied, U.L. recognized components. Each kit consists of a cover panel, top and bottom mounting brackels, an insulating side shield (where required) to provide personnel protection by preventing accidental contact with armature circuit buswork hidden by the cover plate, and all required mounting hardware.

INSTALLATION

(Refer to assembly drawing 705389)

WARNING

BEFORE ATTEMPTING TO INSTALL THIS MAX-PAK PLUS MODIFICATION KIT, DISCONNECT AND LOCK OUT ALL SOURCES OF INCOMING POWER TO THE CONTROLLER CABINET.

Installation steps 1, 2, 4 and 6 apply only to installation of the 23C111, 23C112 and 23C310 cover kit. If installing a 23C110 cover kit, skip these steps.

- On non-reversing drives, it is necessary to remove the bus bar support noted as <1 on sheet 2 of the assembly drawing. Discard the support once removed.
- Locate the top mounting bracket shown as item (): on sheel 1 of the assembly drawing and remove the bus bar support which is fastened to it with two Phillips head screws. The bus bar support will be reinstalled onto the top mounting bracket using these screws in a later step.

Warning: A long (12 inch or longer) #2 Phillips head screwdriver with a magnetic tip is required to inalall the screws in steps 3 and 5 below. If a magnetic tipped Phillips head screwdriver of this length is not available, putly, masking tape, or some other means should be used to hold the acrewa on the tip of the screwdriver during installation. Otherwise, they may drop into the components on the auxiliary panel from where they might be difficult to remove and where they can pose a short circuit risk.

- Using the 12" Phillips screwdriver with a #2 magnetic tip, install the top mounting bracket to the auxiliary panel using two 1/4-20 x 1/2" self tapping screws.
- Remount the bus bar support to the top mounting bracket using the screws removed in step 2 above.
- 5. If necessary, remove the wire harness base which dresses the auxiliary contact cable to the auxiliary panel. This base may occupy one of the two mounting holes for the lower bracket. Mount the boltom mounting bracket using two 1/4-20 x 1/2° self tapping screws and the magnetic screwdriver. Once the lower bracket is in place, the auxiliary harness should be secured to the lower bracket using the tyrap and base supplied with the kit. If any wires from the auxiliary harness were disconnected to allow easier installation of the bottom bracket, they should be reconnected at this time
- Warning: mount the insulating side shield to the right side lip of the cover plate using three #6-32 x 3/8" self tapping screws. This shield provides personnel protection by preventing accidental contact with otherwise hidden armsture circuit buswork. Its installation is required by N.E.C. and U.L.
- Mount the cover plate assembly to the top and bottom mounting brackets using four 1/4-20 x 1/2" self tapping screws.



Warning: When preparing the cover plate to accept user-supplied components, perform all drilling operations with the plate removed from the drive.

This will eliminate the possibility of drill chips causing short circuit risk within the cabinet. Make certain that adequate electrical clearance is maintained between any user-added mounting screws and electrical conductors behind the cover.

REPAIR PARTS

A complete parts list is provided on sheet 1 of assembly drawing 705389.



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