

INSTALLATION INSTRUCTIONS 25L7 and 50L7 STARTERS

Follow these instructions for easy installation of your Ampgard Starter



1 Remove the shipping clamps located at the lower front of contactor by taking out 4 bolts, and discard. DO NOT re-install these clamps.



2 Use the fuse puller to cam the power fuses out of the fuse clips. The fuse puller is stored on the left front corner of the enclosure. Follow the FUSE REMOVAL instructions found on the starter door.



3 Remove the power fuses from the starter.



4 Remove the control plug from contactor.



5 Obtain a piece of $\frac{3}{4}$ inch pipe about 3 feet long to use as a "jiffy" bar. Put jiffy bar through "D" handle on front of contactor. With left foot LIFT latch at lower left corner of the contactor. Pry contactor out with jiffy bar.



6 Insert jiffy bar in clamp on right hand side of contactor. Roll contactor out until it stops. The contactor is related in a detent position used for maintenance.



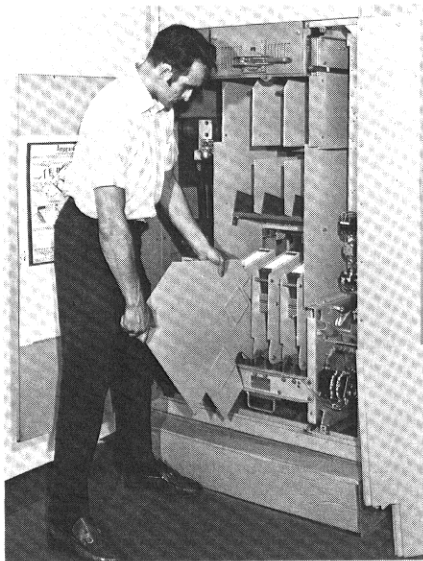
Ampgard[®] INSTALLATION INSTRUCTIONS

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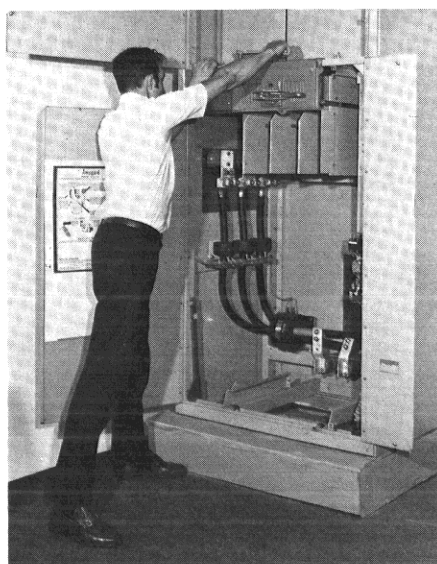
7 To remove the contactor, now press the latch bar **DOWN** with your left foot, and pull the contactor out with the jiffy bar. Be prepared to apply a lifting force to the jiffy bar as the contactor rolls out. If desired, contactor arc boxes and phase barriers may be removed to reduce weight. Before the rear wheels of the



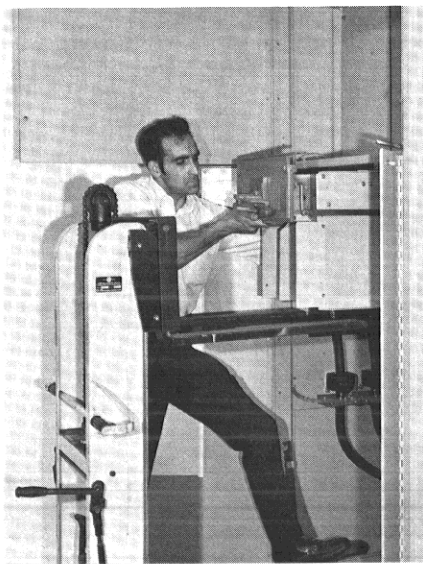
contactor reach the end of the track, lower the jiffy bar until the front wheels are on the floor. Pull contactor clear of structure with a constant angle until rear wheels are clear, then tilt contactor back until all wheels are on the floor. Jiffy bar can then be used to pull the contactor to any desired location.



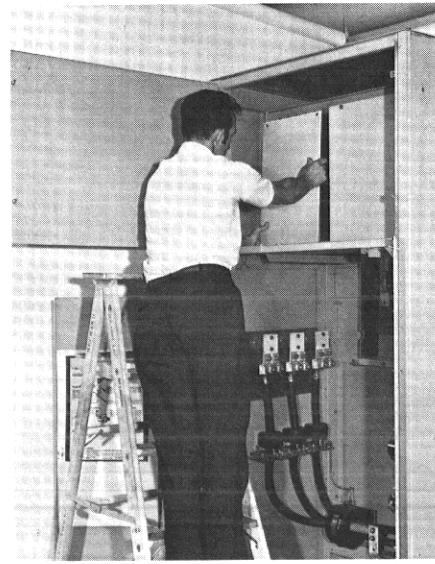
8 It is also possible with some lift trucks to put the adjustable forks directly into 2 notches on the inside flanges of the contactor side plates. To do this it is necessary to remove the arc boxes and phase barriers by rotating them forward and lifting directly upward and off. It is also necessary to rotate the blowout irons up and to the rear.



9 To remove isolation switch, remove the **2** bolts located on top of the brace supporting the switch front casting.

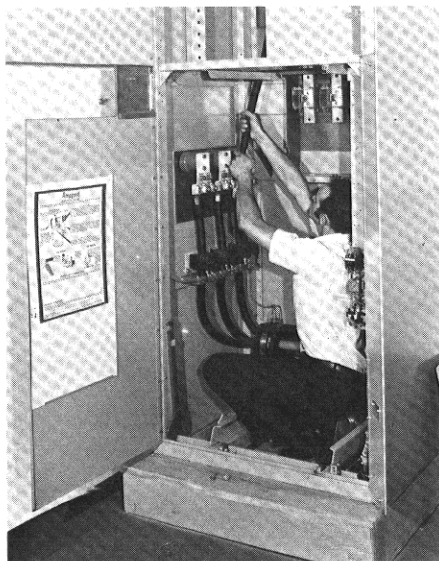


10 Pull isolation switch forward on its rails. **CAUTION** — It has no latch and will pull completely out. It weighs 130 pounds and can be handled with two men or by one man and a fork lift truck as shown.

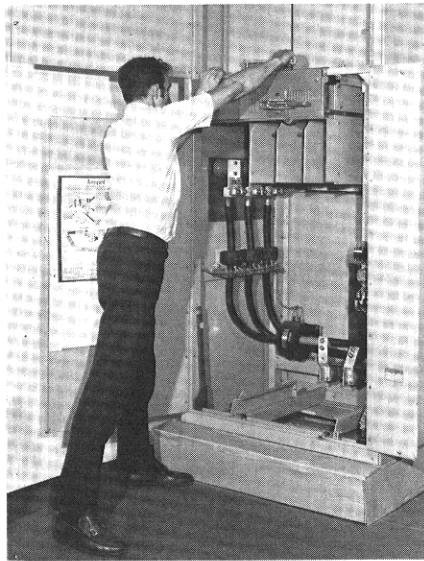


11 Panel located on left hand side above starter load terminals can be removed to provide more access for wiring.





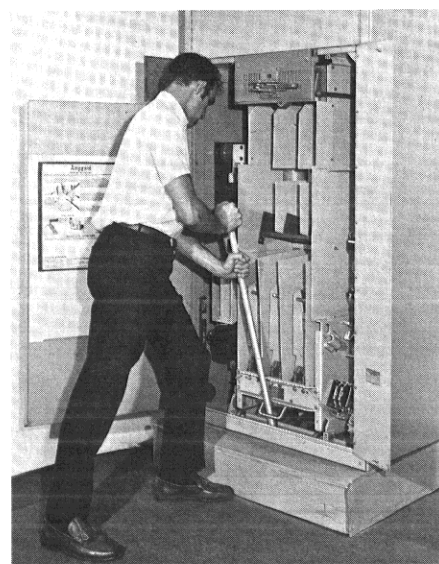
12 Pull cables to starter load terminals. After wiring replace access panels.



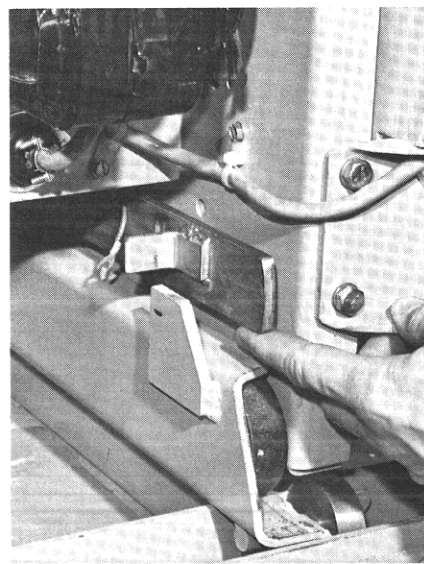
13 Slide isolation switch back in place, and secure with 2 bolts.



14 Replace contactor, either using jiffy bar or fork lift truck. Push contactor to rear of cell.



15 Put jiffy bar through the "D" handle and into the channel. Pry contactor onto load stabs.



16 Make sure detent latch is operable — it should be free to move by hand.



17 Rotate blowout irons forward and down. **CAUTION** — Make sure the 3 arc boxes and 4 phase barriers are in place. Door will not close if blowout irons are in the wrong position.



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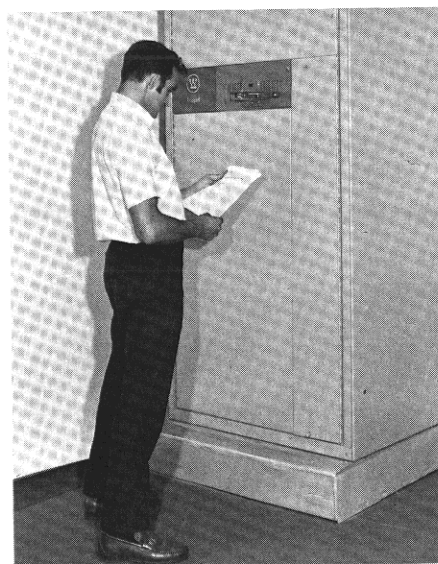
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18 Replace the 3 power fuses. Follow FUSE INSERTION instructions shown on the starter door.



19 Install the control plug. Close and latch the starter doors.



20 Read the starter instruction manual BEFORE ENERGIZING UNIT.



Westinghouse Electric Corporation
General Control Division
Asheville, N.C. 28813