

# Ampgard<sup>®</sup>

## INSTALLATION INSTRUCTIONS

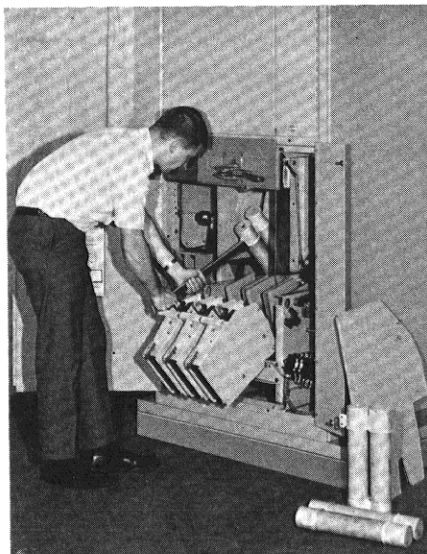
### 25L4 and 50L4 STARTERS

Follow these instructions for easy installation of Ampgard Starters



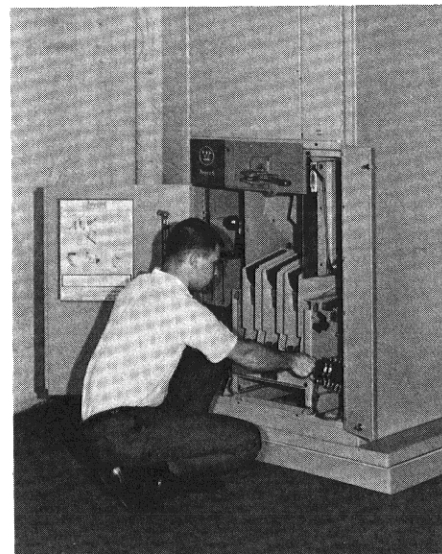
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- 1** Remove the shipping clamps by taking out two bolts and clamps.



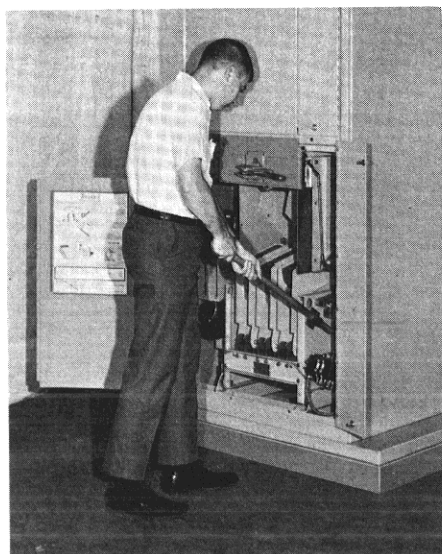
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- 2** Remove four contactor phase barriers and three main fuses.



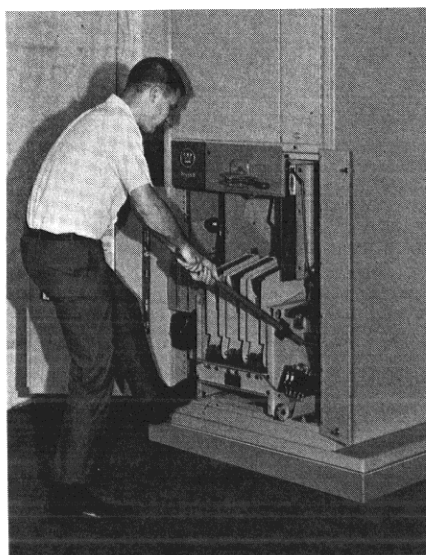
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- 3** Remove the control plug from the contactor.



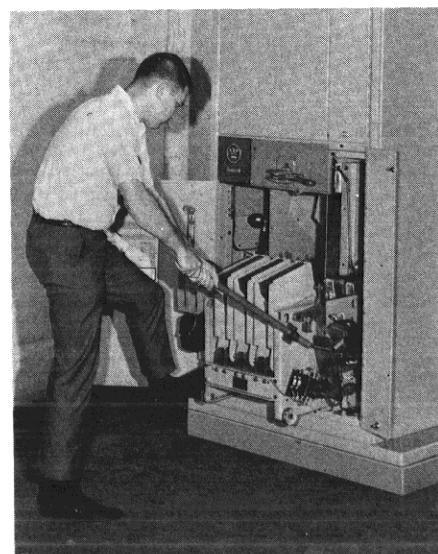
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- 4** Obtain a piece of  $\frac{3}{4}$  inch pipe about three feet long to use as a "jiffy" bar. Insert in contactor clamp as shown.



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- 5** With left foot (or hand) LIFT latch on bottom left hand corner of contactor, and at the same time give contactor a sharp pull toward you with the jiffy bar.



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- 6** Part way out the contactor will relatch in a "detent" position which will later be useful for maintenance. To remove the contactor, press the latch bar DOWN with your left foot or hand, and at the same time pull the contactor forward with the jiffy bar. Be prepared to apply a lifting force to the jiffy bar as the contactor rolls outward.



# Ampgard®

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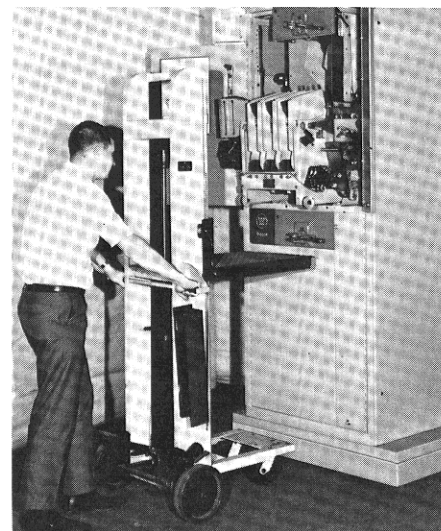
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**7** Before the rear wheels of the contactor reach the end of their track, lower the jiffy bar until the front wheels are on the floor.



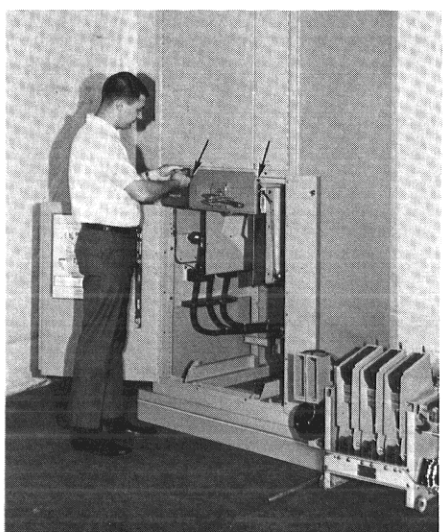
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**8** Pull contactor clear of structure with a constant angle until rear wheels are clear, then let the jiffy bar move upward until all wheels are on the floor. Jiffy bar can then be used to pull the contactor to any desired location.



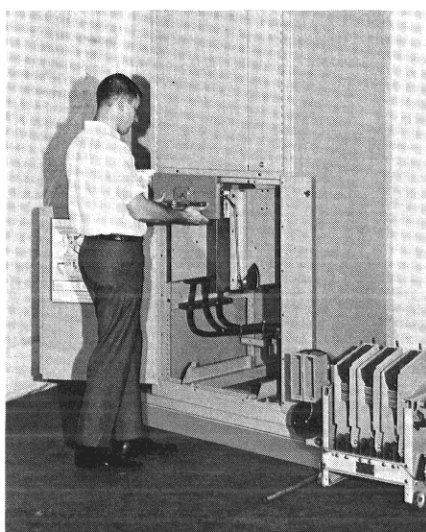
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**9** If a top starter is used, roll contactor to detent position, then onto a platform of an industrial lift. Make certain the lift is of sufficient capacity to handle the 320-pound contactor and that adequate safety precautions are used. A jiffy bar is not useful in this operation. Before moving the lift with the contactor on board, block the contactor wheels.



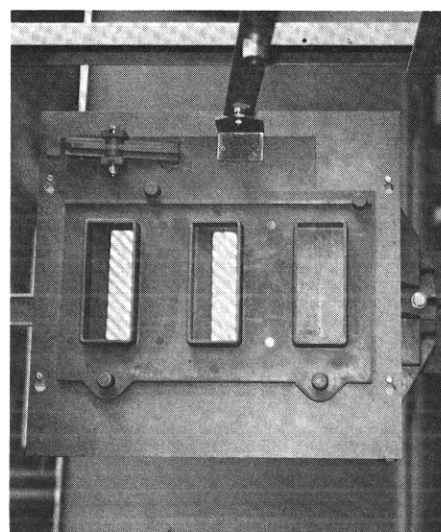
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**10** To remove isolating switch, remove two bolts shown by arrows. Disconnect leads to Auxiliary Switch Terminal Block (if used).



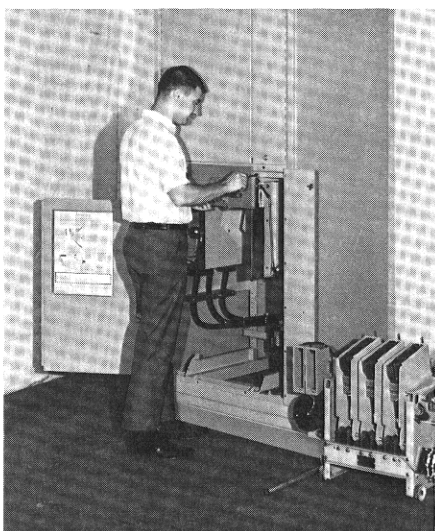
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**11** Pull isolating switch forward. **CAUTION** — It has no latch and will pull completely out. However, it only weighs 75 Lbs. and can usually be handled without a crane or lift.



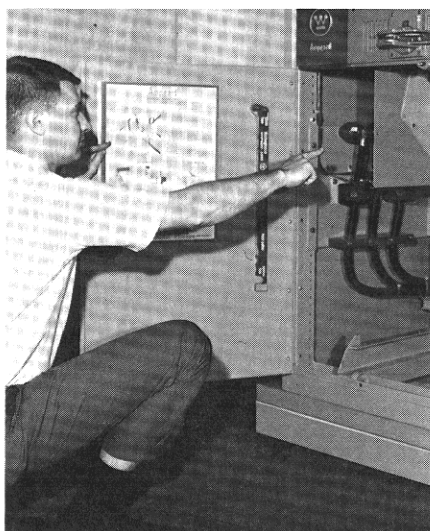
**12** If cable is used to connect the line stabs, loosen four pan head screws approximately three turns. Lift rear barrier and shutter assembly up and off of the screws. Disconnect the shutter drive lever using the keyhole in the lever. Starter is now ready to wire.





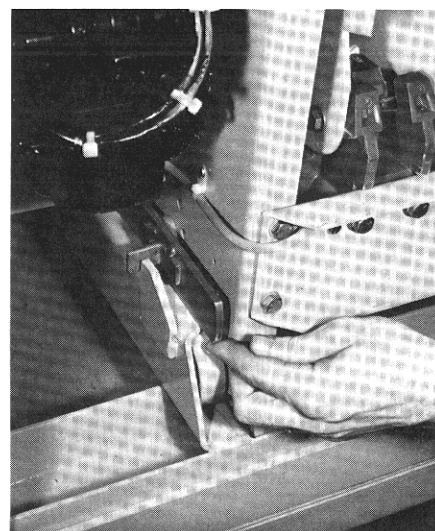
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**13** After wiring, reverse assembly procedure. Slide isolating switch back in place, and secure with two bolts. Reconnect Auxiliary Switch leads (if used).



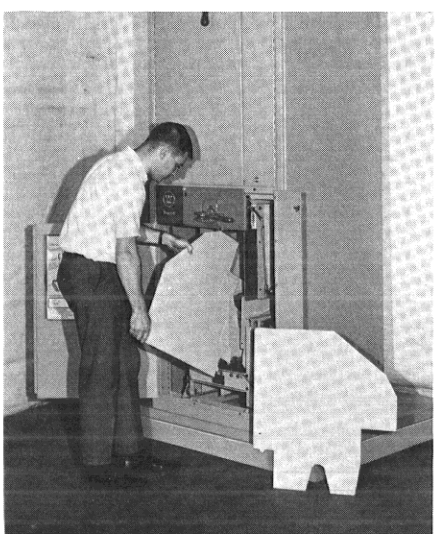
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**14** Check to make sure fuse finger is in correct position in fuse locator. Refer to instructions on starter door.



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**15** Return contactor to its compartment, and make sure detent latch is engaged.



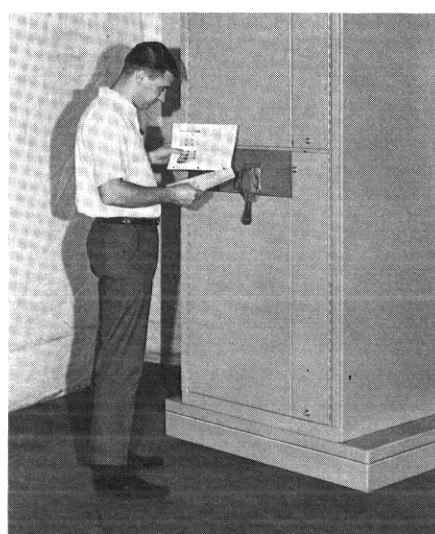
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**16** Install three main power fuses and four contactor phase barriers. See instructions on starter door.



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**17** Install the control plug.



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**18** Read the instruction manual BEFORE ENERGIZING UNIT.





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