

FA102761 - Ver. 1.0 - Can an NF panel with a vertically mounted KAP, KHP, KCP or KIP main breaker be converted from bottom to top feed and vice versa?



Can an NF panel with a vertically mounted KAP, KHP, KCP or KIP main breaker be converted from bottom to top feed and vice versa?

Yes. NOTE: A new AL250KAIN insert kit will be required.

*****TURN OFF ALL POWER TO PANELBOARD FIRST*****

1. Rotate entire interior assembly (including main breaker kit) 180 degrees. Remove screws (1/4-20 X 0.75) from hard bus connectors in main breaker.
2. Remove screws (12-24 X 3-1/8) holding main breaker to mounting pan and slide breaker away from connectors.
3. Rotate the main breaker 180 degrees so the on and off symbols are in the correct location. (ON position must be up.)
4. Remove the existing insert kit from the breaker as follows:
 - a. Thread an old lug mounting screw into insert from top of circuit breaker.
 - b. Hold a screwdriver against lug mounting screw and tap screwdriver handle to force insert out of wire retainer. Wire retainer will be damaged and cannot be used again. OBTAIN A REPLACEMENT AL250KAIN KIT.
5. Move the main breaker lugs to either the line end or load end to receive the incoming conductors. Torque lug mounting screws to 50 IN lbs. (For TOP FEED, the lugs should be located at the ``ON`` end of the breaker. For BOTTOM FEED, the lugs should be located at the ``OFF`` end of the breaker.) The new AL250KAIN insert kit must be installed on the breaker opposite the lug end as follows:
 - a. Hold insert against bottom of breaker terminal.
 - b. Install wire retainer.
6. Slide main breaker onto connectors, re-attach to mounting pan with 12-24 X 3-1/8 screws (torque = 30 - 40 IN lbs) and re-attach to connectors with 1/4-20 X 0.75 screws (torque = 75 - 90 IN lbs).
7. Detach M/B cover and load end cover from branch section of deadfront.
8. Rotate branch section of deadfront 180 degrees and re-install M/B cover and load end cover. (This is necessary to achieve proper orientation of deadfront labels.)
9. If a sub-feed breaker is present, it must also be rotated in a manner similar to the main breaker so on and off symbols are in the correct location. ON position must be up.

CTA-ID : 2007971

[FA102761 | 1.0 | Published date: 14-Jan-2011](#)