



# Spectra Series™ Power Panelboards

## Type ADF Dead Fronts & Type APF Door Fronts

This publication describes the installation of type ADF dead fronts and type APF door fronts onto types APN and APNB power panelboard interiors.



**WARNING:** Danger of electrical shock or injury. Turn OFF power ahead of the panelboard or switchboard before working inside the equipment or removing any component. Equipment is to be installed and maintained by properly trained and qualified personnel only.

The parts in the dead front kit are illustrated in Figures 1 and 2, with the parts listed in Tables 1 and 2.

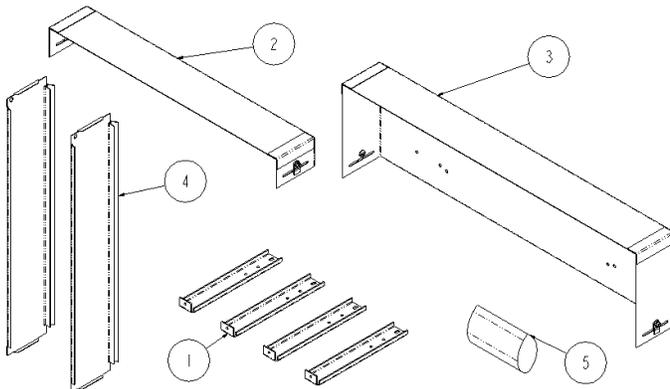


Figure 1. Parts included in the type ADF dead front kit.

Item	Cat. No.	Description	Qty.
1	208C2022P1	Mounting post	4
2	Varies with kit	Dead front load end	1
3	Varies with kit	Dead front line end	1
4	Varies with kit	Dead front side	2
5	10085396G1	Hardware kit	1

Table 1. Parts list for the type ADF dead front kit (see Figure 1).

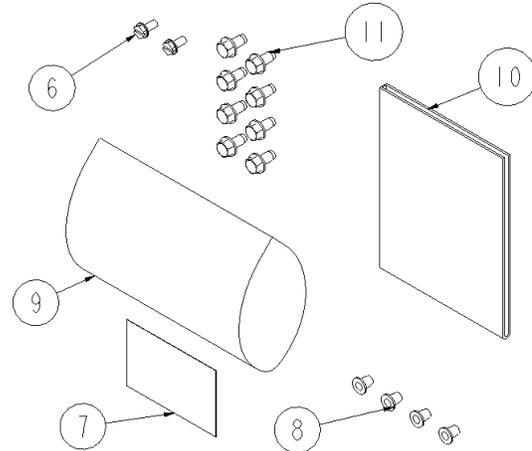


Figure 2. Parts included in the hardware kit of the type ADF dead front.

Item	Cat. No.	Description	Qty.
6	192A6976P189	#10-32 x 7/16 screw	2
7	252B2269P2	Label	1
8	331A2631P2	Plug	4
9	44A718891P2	Poly bag	1
10	GEH5930	Installation instructions	1
11	N722P21008B6	1/4-20 x 1/2 screw	8

Table 2. Parts included in the hardware kit (see Figure 2).

### Installing the Dead Front

The numbers in brackets in the text and indicated in the figures refer to the items in Tables 1 and 2.

1. Install the four dead-front mounting posts [1] before the panel is mounted in the enclosure. Fasten one post to either end of the top and bottom interior end plates at the outermost holes, using the 1/4-20 x 1/2-in. hex-head screws [11] provided, as illustrated in Figure 3 and Figure 4. Tighten the screws to 50–60 in.-lbs.

For interiors equipped with main lug assemblies, mounting posts are needed only on the load end, as shown in Figure 5.

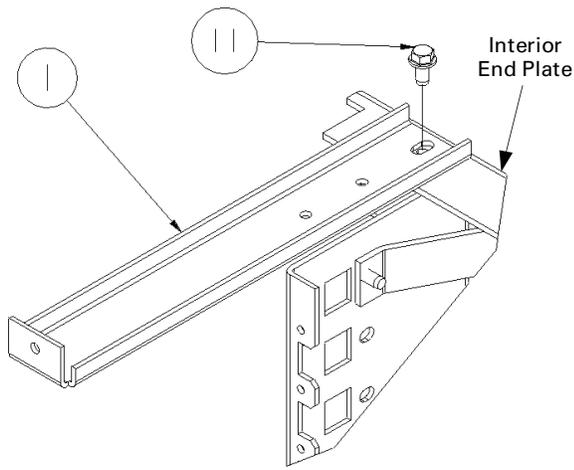


Figure 3. Attaching a dead front mounting post to the interior end plate.

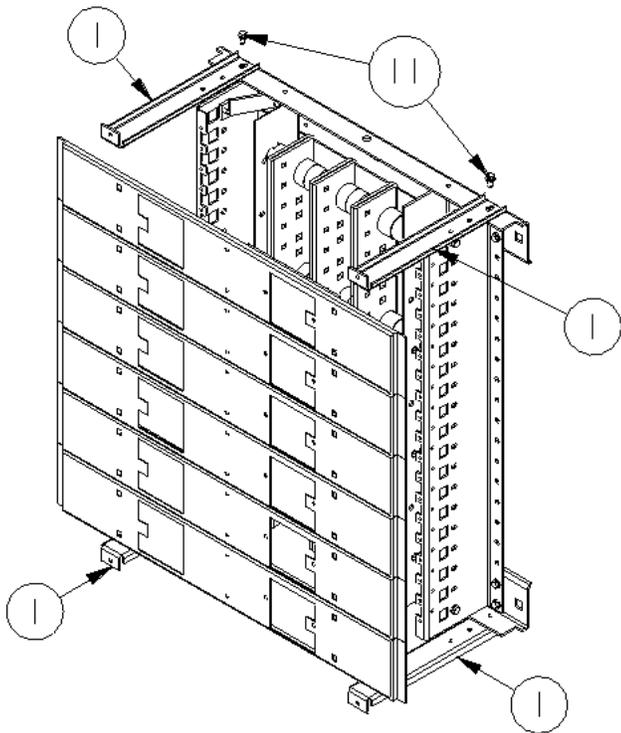


Figure 4. Dead front mounting posts mounted at the four corners of the interior.

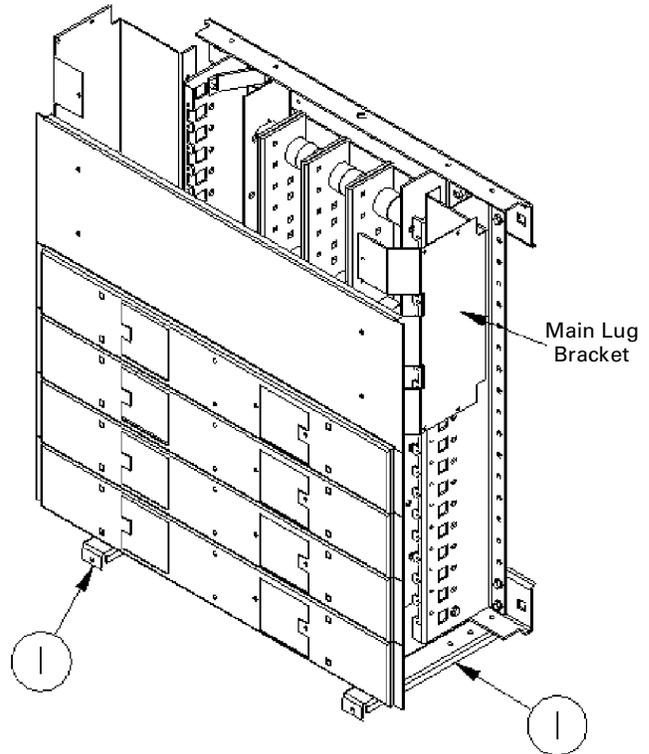


Figure 5. Dead front posts mounted only on the load end of a dual main lug interior.

- Fasten the dead front load end [2] to the mounting posts located opposite the line side, using the  $\frac{1}{4}$ -20 x  $\frac{1}{2}$ -in. hex-head screws [11] provided, as illustrated in Figure 6. Repeat the process for the dead front line end [3] onto the mounting posts located on the line side of the panel. Tighten the screws to 50–60 in.-lbs.

For interiors with main lugs, fasten the dead front line end [3] to the main lug brackets with the #10-32 x  $\frac{7}{16}$ -in. screws [6] provided, as illustrated in Figure 7. Tighten the screws to 25–30 in.-lbs.

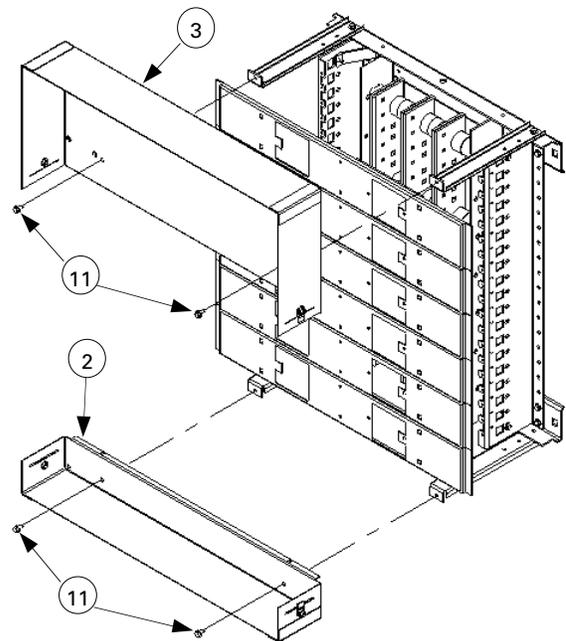


Figure 6. Installing the dead front load and line ends to the mounting posts. Note that a top-feed installation is shown; reverse [2] and [3] for bottom feed.

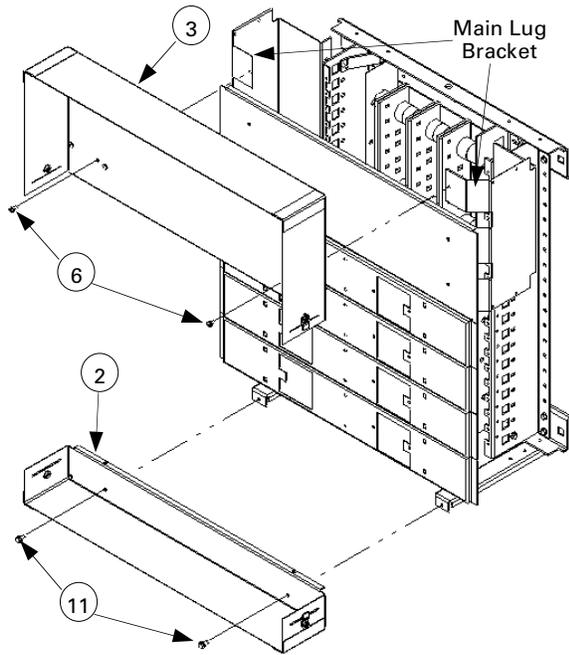


Figure 7. Installing the dead front load and line ends to an interior with main lugs.

3. Turn the latches on the ends of the dead front line end [3] and load end [2] so that the slot openings are clear. Align the flanges on the dead front end side panels [4] into the slots on the ends, as shown in Figure 8. Turn the latches a quarter turn to secure the end panels. Figure 9 shows the completed dead front assembly.

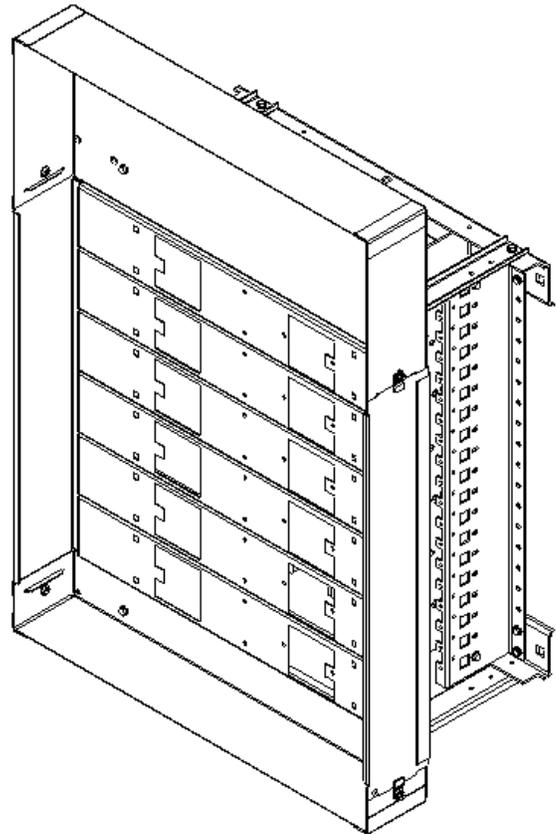


Figure 9. Completed dead front assembly.

### Installing the Door Front

4. Orient the door with the hinges to the right, as shown in Figure 10. Align the door with the enclosure side walls, and rest the welded brackets located at the lower back side of the door on the enclosure end wall, as illustrated in Figure 11. Fasten the door to the enclosure with the #10-32 x 11/16-in. self-tapping screws provided. Tighten all screws to 25–30 in.

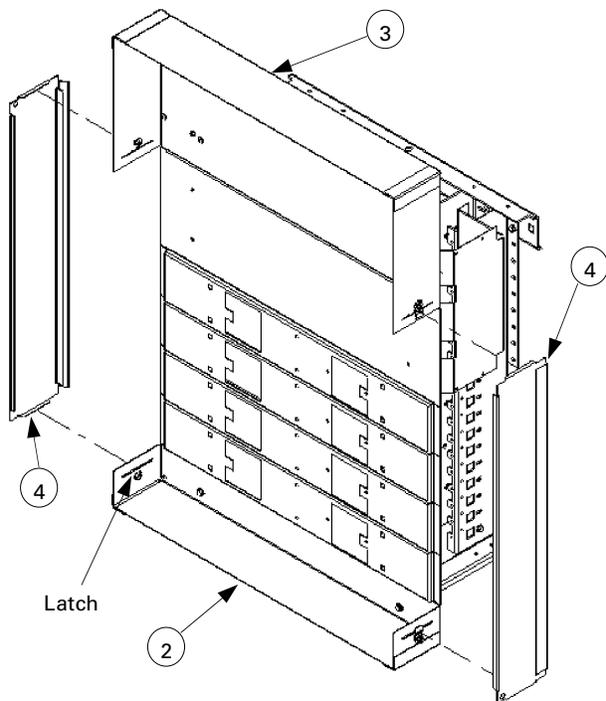


Figure 8. Installing the dead front side panels to the line and load ends.

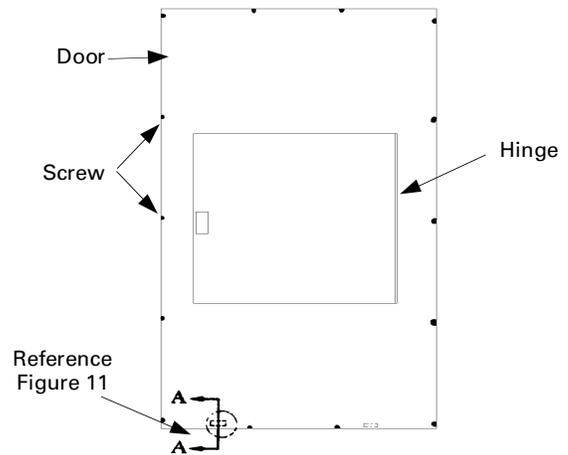


Figure 10. Installing the door front.

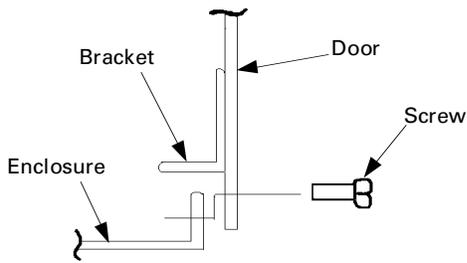


Figure 11. Attaching the door to the enclosure end wall.

Installation is now complete. Reverse the installation steps to remove the door and/or dead front to gain access to the wiring spaces in the enclosure. *Turn off power* ahead of the panel before performing any maintenance in wiring areas.

These instructions do not cover all details or variations in equipment nor do they provide for every possible contingency that may be met in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise that are not covered sufficiently for the purchaser's purposes, the matter should be referred to the GE Company.



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