
INSTALLATION INSTRUCTIONS

Load Connection Kits PA-254881 & PA-254882 For 10,12,18RY/RZ Standby and 10,12CC/CZ Mobile Generator Sets

This kit allows the generator set to be connected to the external load.

This kit is available in single-phase (PA-254881) or three-phase (PA-254882) configurations.

NOTE

Applicable local, state, and national electrical codes must be observed when installing the load connection kit.



⚠ WARNING

Accidental starting.

Can cause severe injury or death.

Disconnect battery cables before working on generator set (negative lead first and reconnect it last).

Accidental starting can cause severe injury or death. Turn generator master switch to OFF position, disconnect power to battery charger, and remove battery cables (remove negative lead first and reconnect it last) to disable generator set before working on any equipment connected to generator. The generator set can be started by automatic transfer switch or remote start/stop switch unless these precautions are followed.

⚠ WARNING



Hazardous voltage.

Backfeed to utility system can cause property damage, severe injury, or death.

When generator is used for standby power, use of automatic transfer switch is recommended to prevent inadvertent interconnection of standby and normal sources of supply.

Hazardous voltage can cause severe injury or death. Perform electrical service only as prescribed in equipment manual. Be sure that generator is properly grounded. Never touch electrical leads or appliances with wet hands, when standing in water, or on wet ground as the chance of electrocution is especially prevalent under such conditions. Wiring should be inspected at the interval recommended in the service schedule—replace leads that are frayed or in poor condition. The function of a generator set is to produce electricity and wherever electricity is present, there is the hazard of electrocution.

Hazardous voltage can cause severe injury or death. Short circuits can cause bodily injury and/or equipment damage. Do not contact electrical connections with tools or jewelry while adjustments are made. Remove wristwatch, rings, and jewelry that can cause short circuits.

INSTALLATION

1. Move generator master switch to OFF position (10, 12, 18 RY/RZ only). Disconnect generator set battery, negative lead first.
2. Remove generator set junction box access panel.
3. Install insulator standoff (233269) on junction box housing with 0.281 x 0.625 x 0.065-in. plain washer (X-25-40) and 1/4-20 x 0.375-in. hex screw (X-465-17), see Figure 1.
4. Install 1/4-20 UNC-2A x 1.00-in. brass stud (237612) and 1/4-20 whiz nut (X-6210-2) in the insulator standoff. Repeat for terminal L2. Repeat for terminal L3 (kit PA-254882 only).
5. Apply identification tabs (201620-83, -84, and -95) to insulator standoffs as shown.
6. Connect generator and external load leads to appropriate terminals. Secure leads with 1/4-in. internal tooth lock washers (X-22-11) and 1/4-20 whiz nuts (X-6210-2).
7. Reinstall junction box access panel.
8. Reconnect generator set battery cables, negative lead last.

Parts List

Kits PA-254881 & PA-254882			
Part Number	Description	PA-254881	PA-254882
X-22-11	Washer, internal tooth lock 1/4 in.	2	3
X-25-40	Washer, plain 0.281 x 0.625 x 0.065 in.	2	3
X-465-17	Screw, hex 1/4-20 x 0.375 in.	2	3
X-6210-2	Nut, whiz 1/4-20	4	6
201620-83	Tab, identification L1	1	1
201620-84	Tab, identification L2	1	1
201620-95	Tab, identification L3	—	1
233269	Insulator, standoff	2	3
237612	Stud, brass 1/4-20 UNC-2A x 1.00 in.	2	3

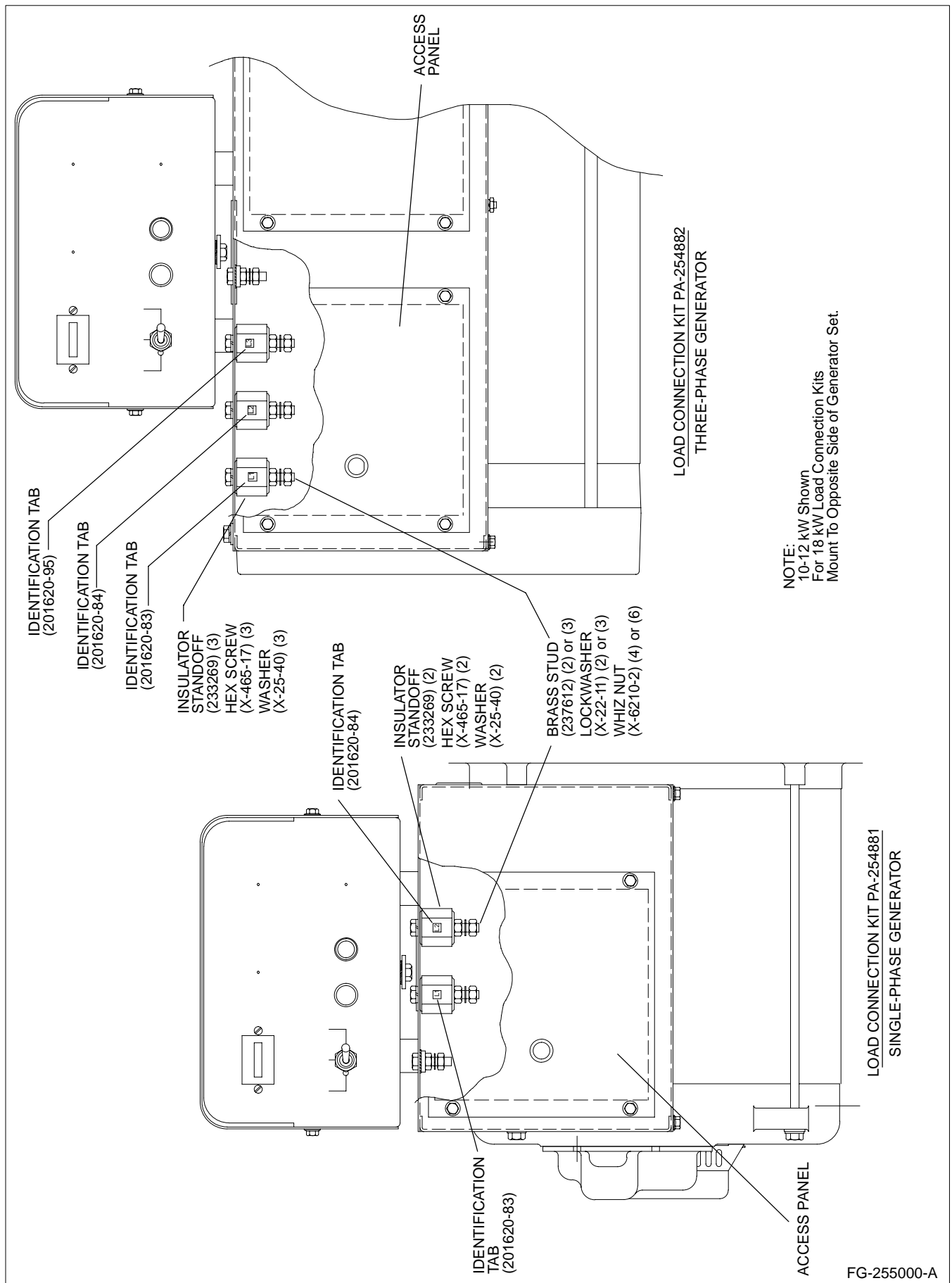


Figure 1. Load Connect Kit