
INSTALLATION INSTRUCTIONS

Original Issue Date: 3/97

Model: 30/35/45 kW (Ford-Powered)

Market: Industrial

Subject: Battery Rack and Cables Kits PA-326061 and PA-326061-SD

The battery rack and cables kit provides a safe and convenient means of securing the generator set battery(ies) to the generator set skid. Battery cables supplied in the kit connect the batteries together. Observe the following safety precautions while installing the kit.



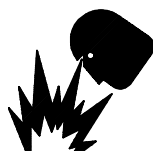
Accidental starting.

Can cause severe injury or death.

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

Disabling generator set. Accidental starting can cause severe injury or death. Turn generator set 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 the generator set or connected equipment. The generator set can be started by an automatic transfer switch or remote start/stop switch unless these precautions are followed.

⚠ WARNING



Sulfuric acid in batteries.

Can cause severe injury or death.

Use protective goggles and clothes. Battery acid can cause permanent damage to eyes, burn skin, and eat holes in clothing.

⚠ WARNING



Explosion.

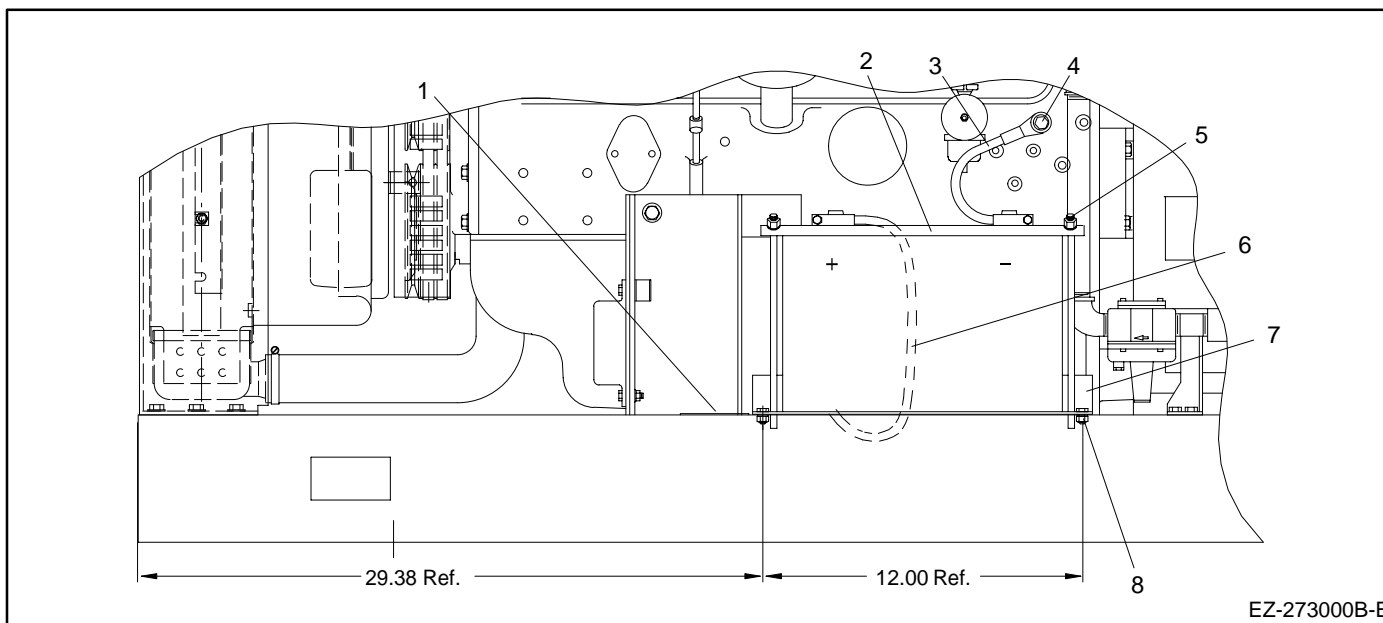
Can cause severe injury or death. Relays in battery charger cause arcs or sparks.

Locate battery in a well-ventilated area. Isolate battery charger from explosive fumes.

Battery acid. Sulfuric acid in batteries can cause severe injury or death. Sulfuric acid in battery can cause permanent damage to eyes, burn skin, and eat holes in clothing. Always wear splash-proof safety goggles when working near the battery. If battery acid is splashed in the eyes or on skin, immediately flush the affected area for 15 minutes with large quantities of clean water. Seek immediate medical aid in the case of eye contact. Never add acid to a battery after placing the battery in service, as this may result in hazardous spattering of battery acid.

Installation

1. Place the generator set master switch in the OFF position.
2. Disconnect the generator set engine starting battery, negative (–) lead first.
3. Remove housing doors if generator set is housed.
4. Use dimensions shown in Figure 1. to locate battery rack mounting holes in skid.
5. Secure battery rack (324017) to generator set skid using screws (X-125-3) and nuts (X-6210-7).
6. Place battery on battery rack with battery terminals toward the generator set.
7. Place battery clamp (324033) on front edge of battery. See Figure 1.



1. Warning decal (373780)
2. Battery clamp (324033)
3. Battery cable (X-545-46)
4. Screw (X-125-3) and lock washer (X-22-16)

5. Angle bolts (286316), washers (X-25-44), and nuts (X-101-4)
6. Battery cable (X-545-37)
7. Battery rack (324017)
8. Screw (X-125-3) and nuts (X-6210-7)

Figure 1. Battery Rack and Cables Installation

8. Attach red battery cable (X-545-37) to starter solenoid terminal on engine. Route cable under engine and connect to battery positive (+) terminal.
9. Check that the generator set master switch is in the OFF position.
10. Attach black battery cable (X-545-46) to engine block. Place lock washer (X-22-16) between cable and engine block. Secure cable to engine block with screw (X-125-23).
11. Connect free end of black battery cable to battery negative (-).
12. Reinstall housing doors if generator set is equipped with a housing.

Battery Rack and Cables Kits

Parts List		
Kits: PA-326061, PA-326061-SD		
Qty.	Description	Part Number
1	Washer, lock 5/16	X-22-16
2	Washer, plain	X-25-44
2	Nut	X-101-4
2	Screw, h.c. 5/16-18 x 0.750 in.	X-125-3
1	Screw, h.c. 5/16-18 x 0.625 in.	X-125-23
1	Cable, battery red 34.0 in.	X-545-37
1	Cable, battery black 16.0 in.	X-545-46
2	Nut, spiralock 5/16-18	X-6210-7
1	Decal, warning	273780
2	Bolt, angle	286316
1	Rack, battery	324017
1	Clamp, battery	324033