

## INSTALLATION INSTRUCTIONS

Original Issue Date: 9/98

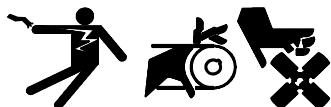
Model: 17/22RY

Market: Industrial

Subject: Weather Housing Kit PA-358301

The weather housing kit provides weather protection for generator sets installed outdoors. Observe the following safety precautions when installing the weather housing kit.

### **⚠ WARNING**



**Accidental starting.**  
**Can cause severe injury or death.**

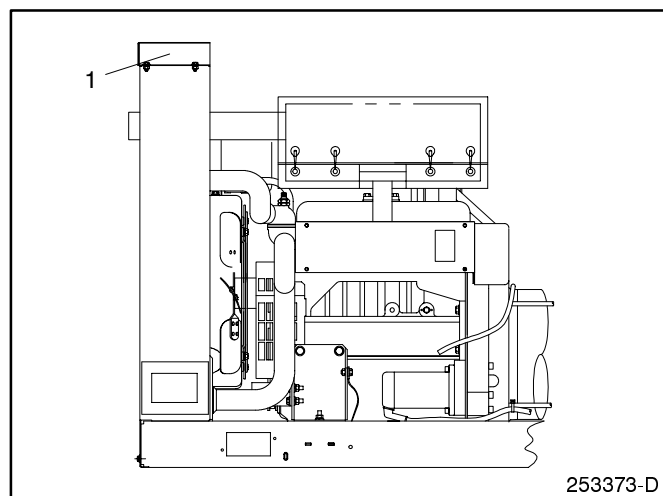
Disconnect battery cables before working on generator set. (Remove negative (-) lead first when disconnecting battery. Reconnect negative (-) lead last when reconnecting battery.)

**Disabling generator set. Accidental starting can cause severe injury or death.** Before working on the generator set or connected equipment, disable the generator set as follows:

- 1) Turn the generator set master switch to OFF position.
- 2) Disconnect power to battery charger.
- 3) Remove battery cables (remove negative (-) lead first). Reconnect negative (-) lead last when reconnecting battery. Follow these precautions to prevent starting of generator set by an automatic transfer switch or remote start/stop switch.

## Installation

1. Place the generator set master switch in the OFF position.
2. Disconnect the power to the battery charger, if equipped.
3. Disconnect the generator set engine starting battery cables, negative (-) lead first.
4. Remove the radiator cover. The radiator cover will not be reused. See Figure 1.



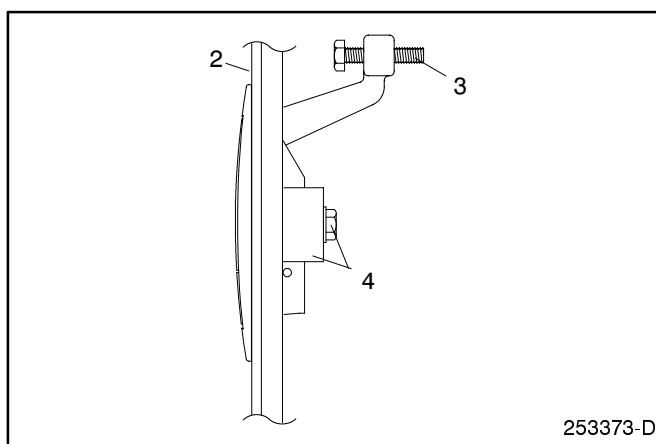
1. Radiator cover

**Figure 1. Generator Set—Left Side**

5. Secure the rear housing panel (358216) to the generator set skid using hex cap bolts (X-465 12), plain washers (X-25-40), and spirallock nuts (X-6210-2). See Figure 3.
6. Fasten the housing roof (358217) to the front and back housing supports using hex cap bolts (X-465-12), plain washers (X-25-40), and spirallock nuts (X-6210-2). See Figure 3.
7. Install the skid rail covers (254758) on the outside of the generator set skid using drill screws (X-794-1). See Figure 3.
8. Install door latches (344692) in weather housing doors (358218). See Figure 2. Remove screw and mounting bracket from back of door latches.
9. Slide door latch through cutout provided in the door.
10. Secure door latch to door with mounting bracket and screw. See Figure 2.
11. Assemble the threaded insert (320828) and threaded pin (345283) into the bottom of the housing doors. See Figure 3.
12. Install the grommets (X-284-45) in the top of the skid rails. See Figure 3.
13. Install weather housing doors.
14. Adjust each door latch tension screw as required to ensure that the door closes tight. See Figure 2.
15. Check that the generator master switch is in the OFF position.
16. Reconnect the generator set engine starting battery cables, negative (–) lead last.
17. Reconnect the power to the battery charger, if equipped.

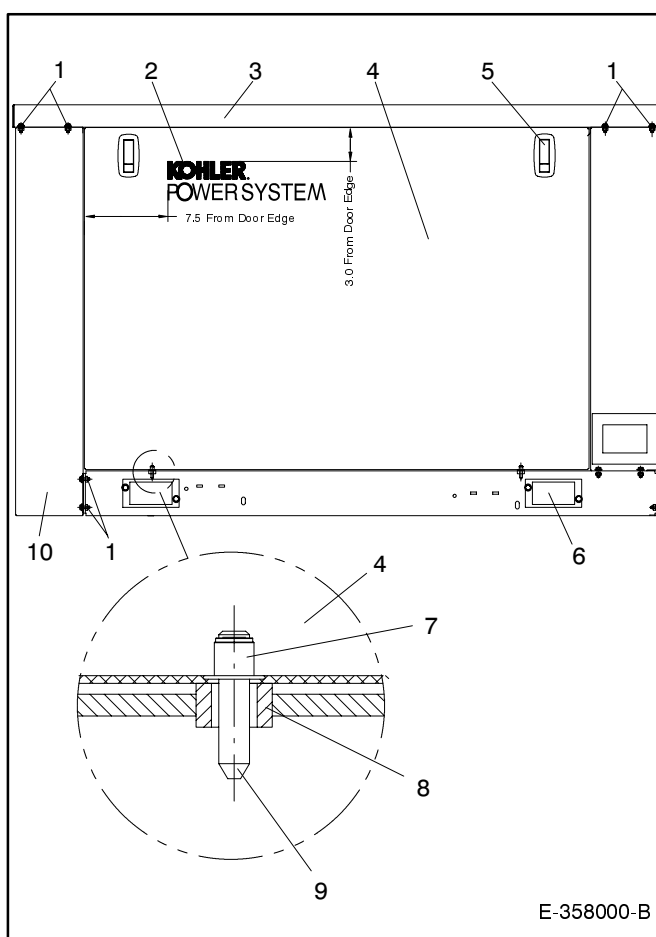
### Weather Housing Kit

Parts List		
Kit: PA-358301		
Qty.	Description	Part Number
12	Washer, plain	X-25-40
4	Grommet	X-284-45
12	Screw, h.c., 1/4-20 x 2.25 in.	X-465-12
8	Screw, drill, 0.75 in.	X-794-1
12	Nut, spirallock	X-6210-2
4	Cover, skid rail	254758
4	Insert, threaded	320828
4	Latch, door	344692
4	Pin, threaded	345283
1	Panel, housing (alternator end)	258216
1	Roof, housing	358217
2	Door, housing	358218



2. Door (front)
3. Door latch tension screw
4. Mounting bracket and screw

**Figure 2. Door Latch**



1. Hex cap bolts (X-465-12), plain washers (X-25-40), and nuts (X-6210-2)
2. Decal (X-6348-2)
3. Housing roof (358217)
4. Housing door (358218)
5. Door latch (344692)
6. Skid rail cover (254758) and drill screws (X-794-1)
7. Threaded insert (320828)
8. Grommet (X-284-45)
9. Threaded pin (345283)
10. Rear housing panel (358216)

**Figure 3. Weather Housing Assembly**