
INSTALLATION INSTRUCTIONS

Original Issue Date: **12/95**
Model: **18 kW**
Market: **Industrial**
Subject: **Weather Housing Kit PA-326465**

The weather housing kit provides weather protection for generator sets installed outdoors. Lockable housing panels prevent unauthorized personnel from tampering with the generator set. Observe the following safety precautions when installing the weather housing kit.



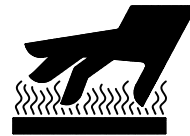
Accidental starting.
Can cause severe injury or death.

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 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 any equipment connected to generator set. The generator set can be started by automatic transfer switch or remote start/stop switch unless these precautions are followed.

⚠ WARNING



Hot engine and exhaust system.
Can cause severe injury or death.

Do not work on generator set until it is allowed to cool.

Hot parts can cause severe injury or death. Do not touch hot engine parts. An engine gets hot while running and exhaust system components get extremely hot.

Installation

1. Place the generator set master switch in the OFF position.
2. Disconnect generator set engine starting battery, negative (–) lead first.
3. Refer to the assembly drawing in Figure 1 to identify kit components and their position.

NOTE

The generator set skid is predrilled to accept the weather housing components.

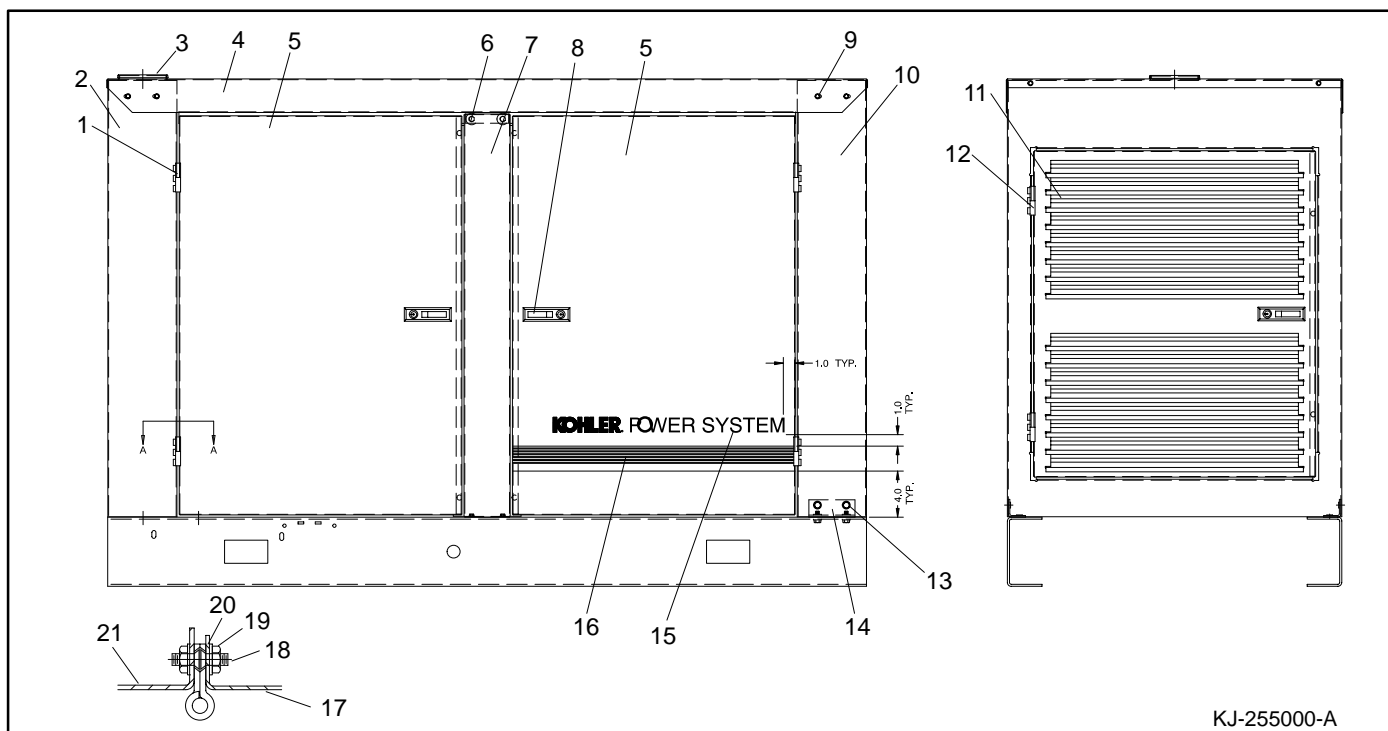
4. Secure mounting brackets (253950) with screws (X-125-5), and washers (X-25-85) to the alternator end of the generator set skid. Final tighten hardware. See Figure 1.
5. Remove the original radiator guard. Install radiator guard (326437) using existing hardware.
6. Position rear housing shroud (254748) on the skid. Secure to mounting brackets with screws (X-125-5), washers (X-25-85), and nuts (X-101-16).
7. Position weather housing roof (326438) over the top of the unit. Verify roof openings align with silencer and radiator ports on the generator set.
8. Secure the roof to the radiator guard and rear shroud using screws (X-794-4) and the holes provided.
9. Install plug (253268) into the roof hole over the radiator.
10. Secure housing panels (254751) to the skid using drill screws (X-794-1).
11. Secure housing panels to the roof using screws (X-465-16), washers (X-25-73), and nuts (X-101-8).

12. Install latches (253373) into openings in the doors. See Figure 2.

NOTE

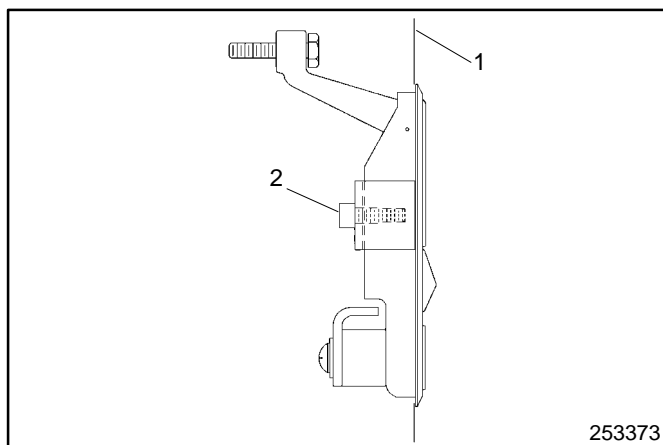
Be sure to locate the hinge half with the pin on the shroud. See Figure 1.

13. Install four hinges (297601) to the radiator guard using screws (295098), washers (X-25-36), and nuts (X-6210-5).
14. Install four hinges (297600) to the rear shroud sides using screws (295098), washers (X-25-36), and nuts (X-6210-5).
15. Install two hinges (297601) to the rear shroud using screws (295098), washers (X-25-36), and nuts (X-6210-5).
16. Install two plastic plugs (253723) per door to reduce vibration. Locate plugs on the inside edge where the doors make contact with the vertical housing support.
17. Secure the side doors (254750) to the hinges connected to the radiator guard, and rear housing shroud. Use screws (295098), washers (X-25-36), and nuts (X-6210-5).
18. Secure the rear housing door (254752) to the rear housing shroud using screws (295098), washers (X-25-36), and nuts (X-6210-5).
19. Attach decals to a clean dry surface as shown in Figure 1.
20. Final tighten all mounting hardware.
21. Reconnect generator set engine starting battery, negative (–) lead last.



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|------------------------------------------------------------------------------------|-------------------------------------------|
| 1. Hinge (297601), screw (295098), washer (X-25-36), and nut (X-6210-5) | 11. Housing rear door (254752) |
| 2. Radiator guard (326437), screws (X-465-2), and washers | 12. Hinge (297601) |
| 3. Plug (253268) | 13. Screw (X-125-5), and washer (X-25-85) |
| 4. Housing roof (326438) | 14. Mounting bracket (253950) |
| 5. Housing door (254750) | 15. Logo decal (X-6245-1) |
| 6. Housing panel mounting screws (X-465-16), washers (X-25-73), and nuts (X-101-8) | 16. Stripe decal (X-6232-2) |
| 7. Housing panel (254751) | 17. Door |
| 8. Door latch (253373) | 18. Screw (295098) |
| 9. Screw (X-794-4) | 19. Nut (X-6210-5) |
| 10. Rear housing shroud (254748) | 20. Washer (X-25-36) |
| | 21. Shroud |

Figure 1. Weather housing assembly



1. Door
2. Screw

Figure 2. Door latch

Weather Housing Kit

Parts List		
Kit: PA-326465		
Qty.	Description	Part Number
20	Washer, plain O.D.=0.50 in.	X-25-36
4	Washer, plain O.D.=0.625 in.	X-25-40
4	Washer, plain O.D.=1.0 in.	X-25-73
16	Washer, plain O.D.=0.687 in.	X-25-85
4	Nut, elastic stop 1/4-20	X-101-8
8	Nut, elastic stop 5/16-18	X-101-16
8	Screw, 5/16-18 x 1.0	X-125-5
4	Screw, 1/4-20 x 0.75	X-465-16
4	Screw, drill hex.	X-794-1
12	Screw, drill w/washer	X-794-4
20	Nut, retainer	X-6204-3
20	Nut, whiz 10-24	X-6210-5
2	Decal, stripes	X-6232-2
2	Decal, logo	X-6246-1
1	Plug	253268
5	Latch, door	253373
10	Plug, plastic door	253723
2	Bracket, mounting	253950
1	Shroud, rear housing	254748
4	Door, housing	254750
2	Panel, housing	254751
1	Door, rear housing	254752
40	Screw, flat head machine	295098
4	Hinge split	297600
6	Hinge, split	297601
1	Shroud, radiator	326437
1	Roof, housing	326438