
INSTALLATION INSTRUCTIONS

Original Issue Date: **12/95**

Model: **6-15 kW**

Market: **Industrial**

Subject: **Weather Housing Kits PA-225138, PA-225139, PA-225140**

Model	Kit
6 kW	PA-225138
10 kW	PA-225139
15 kW	PA-225140

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.



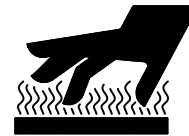
Accidental starting.
Can cause severe injury or death.

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.

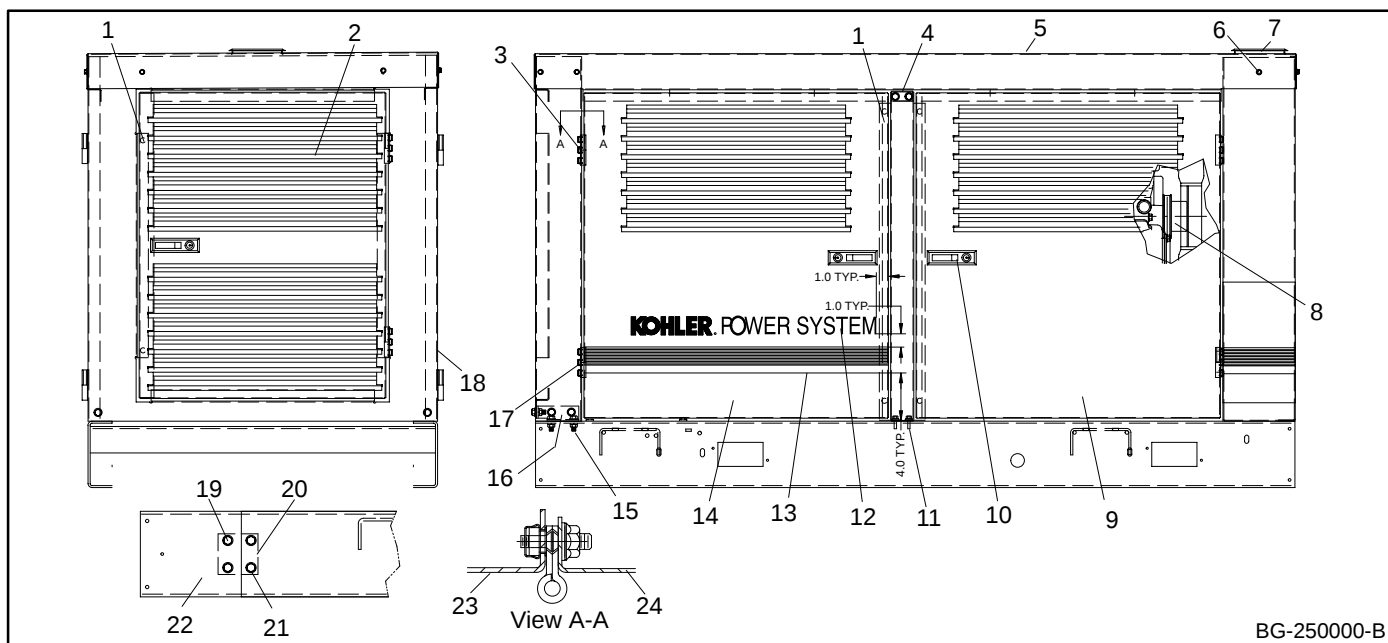
4. For 15 kW models, remove and discard the original engine alternator bracket and pulley. Replace with the alternator bracket (225269) and pulley (229212) supplied in the kit.
5. For 6 and 10 kW models, attach rail extensions (226070) to skid on alternator end of the skid using screws (X-125-5) and nuts (X-101-16).
6. Secure mounting brackets (225073 and 225074) with screws (X-125-5), washers (X-25-85), and nuts (X-101-16) to the alternator end of the generator set skid. Final tighten hardware. See Figure 1.
7. Position rear housing shroud (225071) on the skid. Secure to mounting brackets with screws (X-125-5), washers (X-25-85), and nuts (X-101-16).
8. Position weather housing roof (225132 or 225107) over the top of the unit.
9. Secure the roof to the radiator guard and rear shroud using screws (X-6216-1) and the holes provided.
10. Install plug (253268) into the roof hole over the radiator.
11. Secure housing panels (265835) to the skid using drill screws (X-794-1).
12. Secure housing panels to the roof using screws (X-465-16), washers (X-25-73), and nuts (X-101-8).

13. 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.

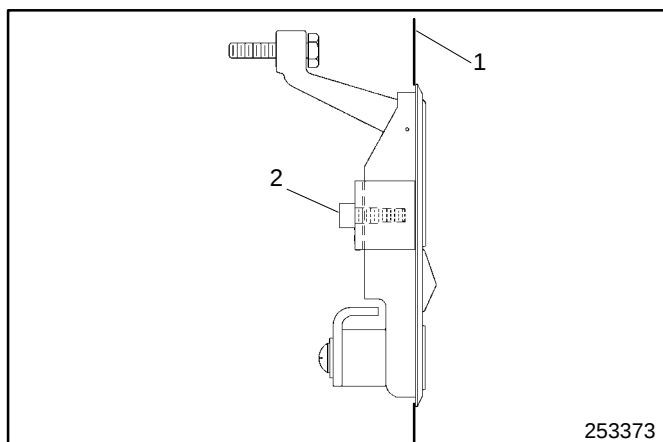
14. Install four hinges (297600) to the radiator guard using screws (295098), washers (X-25-36), and nuts (X-6210-5).
15. Install four hinges (297601) to the rear shroud sides using screws (295098), washers (X-25-36), and nuts (X-6210-5).
16. Install two hinges (297600) to the rear shroud using screws (295098), washers (X-25-36), and nuts (X-6210-5).
17. 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.
18. Secure the front side doors (6 kW 225128, 10-15 kW 225105) to the hinges connected to the radiator guard. Use screws (295098), washers (X-25-36), and nuts (X-6210-5).
19. Secure the rear side doors (6 kW 225129, 10-15 kW 225106) to the hinges connected to the rear housing shroud. Use screws (295098), washers (X-25-36), and nuts (X-6210-5).
20. Secure the rear housing door (256455) to the rear housing shroud using screws (295098), washers (X-25-36), and nuts (X-6210-5).
21. Attach decals to a clean dry surface as shown in Figure 1.
22. Final tighten all mounting hardware.
23. Reconnect generator set engine starting battery, negative (–) lead last.



BG-250000-B

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| 1. Plastic door plug (253723) | 12. Logo decal (X-6246-6 or X-6246-1) |
| 2. Rear housing door (256466) | 13. Stripe decal (X-6246-6 or X-6246-1) |
| 3. Split hinge (297601), screw (295098), washer (X-25-36), and nut (X-6210-5) | 14. Rear side housing door (225106 or 225129) |
| 4. Housing panel (256835), screw (X-465-16), washer (X-25-73), and nut (X-101-8) | 15. Screw (X-125-5), washer (X-25-85), nut (X-101-16) |
| 5. Housing roof (225107 or 225132) | 16. Housing support bracket (r.h. 255073, l.h. 255074) |
| 6. Screw (X-6216-1) | 17. Retainer nut (X-6204-3) |
| 7. Radiator roof hole plug (253268) | 18. Rear housing shroud (255071) |
| 8. Pulley (229212) and alternator bracket (225269) (15 kW only) | 19. Screw (X-125-5), washer (X-25-85), nut (X-101-16) |
| 9. Front side housing door (225128 or 22510) | 20. Rail extension bracket (254863) |
| 10. Door latch (253373) | 21. Screw (X-125-5), and nut (X-101-16) |
| 11. Drill screw (X-794-1) | 22. Rail extension (225070) |
| | 23. Shroud |
| | 24. Door |

Figure 1. Weather housing assembly



1. Door
2. Screw

Figure 2. Door latch

Weather Housing Kit

Parts List					
Kits: PA-225138, PA-225139, PA-225140			Unique Parts		
Qty.	Description	Common Parts	PA-225138	PA-225139	PA-225140
60	Washer, plain	X-25-36			
4	Washer, plain	X-25-73			
	Washer, plain		(20) X-25-85	(24) X-25-85	(20) X-25-85
4	Nut, elastic stop 1/4-20	X-101-8			
	Nut, elastic stop 5/16-18		(10) X-101-16	(18) X-101-16	(10) X-101-16
	Screw, 5/16-18 x 1.0		(30) X-125-5	(18) X-125-5	(10) X-125-5
4	Screw, H.C.	X-465-16			
4	Screw, drill hex.	X-794-1			
	Nut, retainer		(10) X-6204-3	(30) X-6204-3	(30) X-6204-3
30	Nut, whiz 10	X-6210-5			
10	Screw, Crimpitite®	X-6216-1			
2	Decal, stripes		X-6232-1		
2	Decal, stripes			X-6232-2	X-6232-2
2	Decal			X-6246-1	X-6246-1
2	Decal		X-6246-6		
2	Rail, extension			225070	
1	Shroud, rear housing	225071			
1	Bracket, housing support	225073			
1	Bracket, housing support	225074			
2	Door, housing		225128	225105	225105
2	Door, housing		225129	225106	225106
1	Roof, housing		225132	225107	225107
1	Bracket, alternator				225269
1	Pulley				229212
1	Hose, molded		226362		
1	Plug	253268			
5	Latch, door	253373			
10	Plug, plastic	253723			
1	Door, rear housing	256455			
2	Bracket, extension rail			254863	
2	Panel, housing	256835			
1	Barrier, glastic				262845
60	Screw, flat head machine	295098			
6	Hinge, split	297600			
4	Hinge, split	297601			