

INSTALLATION INSTRUCTIONS

Original Issue Date: 1/96
Model: 50/60 kW and 60 kW (Optional Generator) (Detroit Diesel Powered)
Market: Industrial
Subject: Weather Housing Kits PA-324126-SD, PA-324358-SD, PA-327138-SD, PA-327005, PA-327006, PA-327147

Model	Kit
50 kW	PA-324126-SD, PA-327005
60 kW	PA-324358-SD, PA-327006
60 kW (optional generator)	PA-327138-SD, PA-327147

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



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

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

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

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

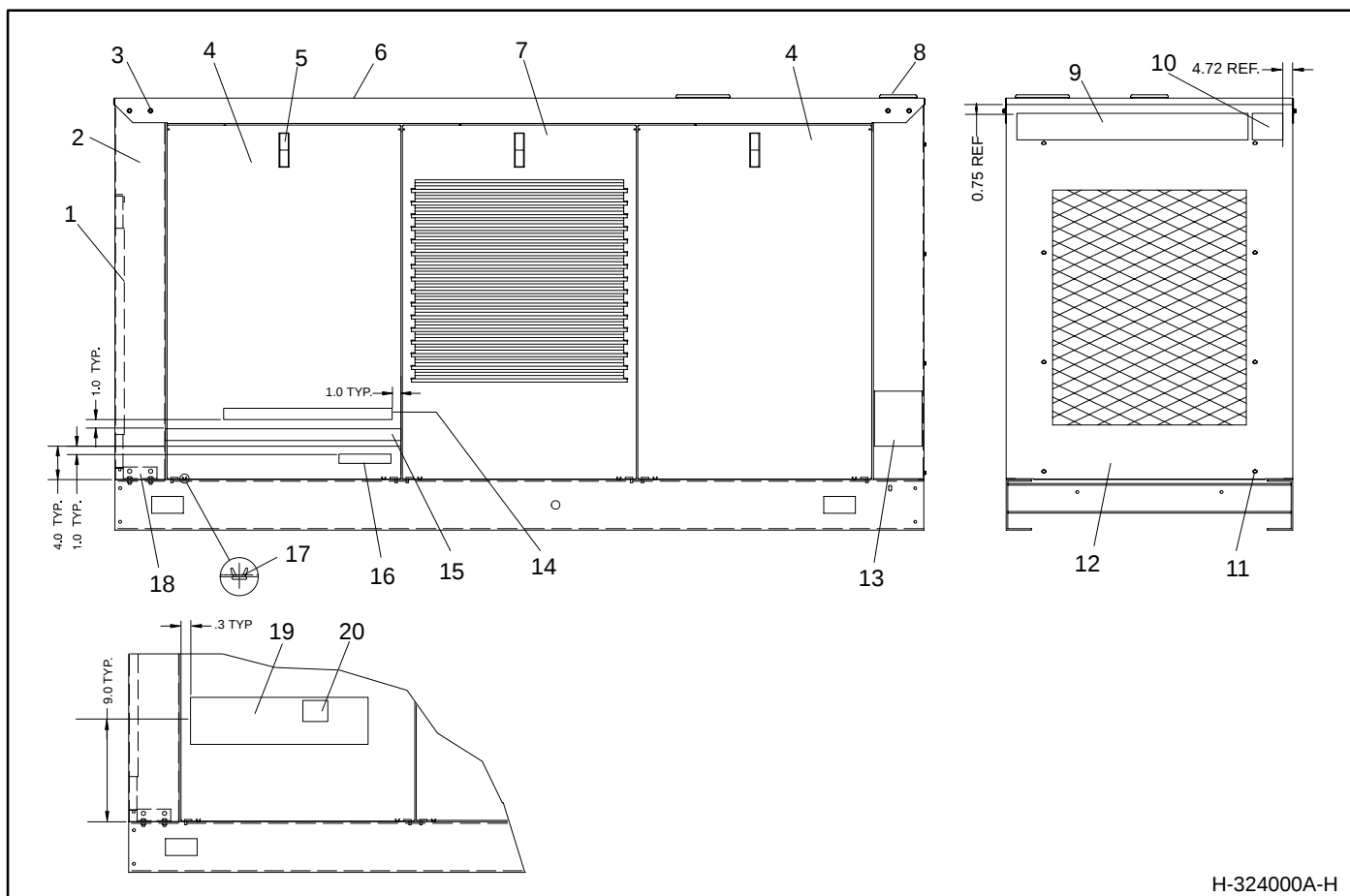
Installation

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 relative positions.
4. Disconnect and remove exhaust silencer from the generator set if equipped.

NOTE

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

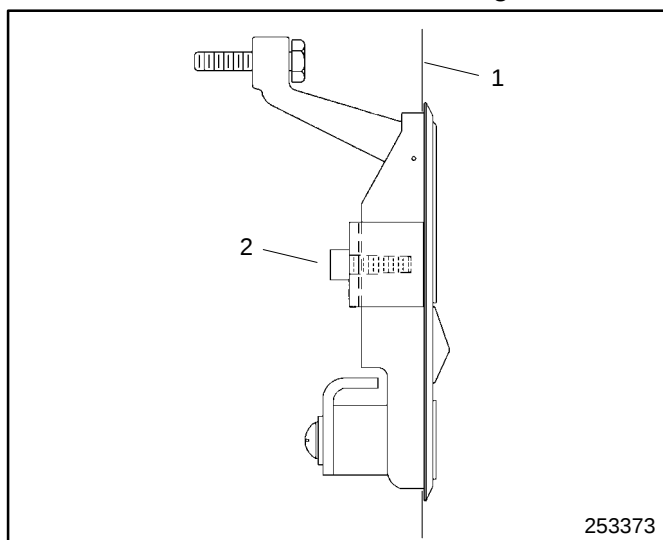
5. Secure mounting brackets (225073 and 255074) to the alternator end of the skid with screws (X-125-5), washers (X-25-85), and nuts (X-101-16).
6. Position rear housing shroud (324021 or 324673) on skid and secure to mounting brackets with screws (X-125-5), washers (X-25-85), and nuts (X-101-16).
7. Remove generator set radiator guard. Discard radiator guard and save mounting hardware.
8. Install radiator shroud (324042 or 327139) using hardware removed in step 7.
9. Position weather housing roof (324044) over top of unit. Secure roof to the radiator guard and rear shroud using screws (X-794-4) using holes provided.
10. Install plug (253268) into roof hole over radiator.
11. Install latches (253373) into openings in doors. See Figure 2.
12. Install four plastic plugs (253723) per door to reduce vibration. Locate two plugs on inside edge and two plugs on the bottom of the door in the holes provided.
13. Install rear door (254476-BLK or 254476-SD or 327140-BLK or 327140-SD) on weather housing. See Figure 1.
14. Install side doors (254475-BLK or 254475-SD, and 273558-BLK or 273558-SD) on weather housing. See Figure 1 for door locations.
15. Apply decals to clean dry surfaces as shown in Figure 1.
16. Final tighten all mounting hardware.
17. Install exhaust silencer kit.
18. Reconnect the generator set engine starting battery, negative (–) lead last.



H-324000A-H

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|---|---|
| 1. Back door (254476-BLK or 254476-SD or 327140-BLK or 327140-SD) | 11. Radiator shroud hardware (use existing) |
| 2. Rear housing shroud (324021 or 324673) | 12. Radiator shroud (324042 or 327139-BLK or 327139-SD) |
| 3. Drill screws (X-794-4) | 13. Decal (X-6247-6 or X-6247-7) |
| 4. Side doors (273258-BLK or 273258-SD) | 14. Decal (X-6246-1) |
| 5. Door latch (253373) | 15. Stripes decal (X-6232-2) |
| 6. Housing roof (324044) | 16. Decal (273739) |
| 7. Side door vented (254475-BLK or 254475-SD) | 17. Plastic door plug (253723) |
| 8. Radiator hole plug (253268) | 18. Mounting brackets (225073 and 225074) |
| 9. Decal (X-6301-3) | 19. Decal (X-6301-1) |
| 10. Decal (X-6302-1) | 20. Decal (X-6299-4 or X-6299-5) |

Figure 1. Weather Housing Assembly



1. Door
2. Screw

Figure 2. Door Latch

Weather Housing Kit

Parts List					
Kits: PA-327005, PA-327006, PA-327147			Unique Parts		
Qty.	Description	Common Parts	PA-327005	PA-327006	PA-327147
10	Washer, plain O.D.=0.687 in.	X-25-85			
10	Nut, elastic stop 5/16	X-101-16			
10	Screw, 5/16-18 x 1.0	X-125-5			
8	Screw, drill w/washer	X-794-4			
2	Decal, stripes	X-6232-2			
2	Decal	X-6246-1			
2	Decal, kW		X-6247-6	X-6247-7	X-6247-7
1	Bracket, housing support (r.h.)	225073			
1	Bracket, housing support (l.h.)	225074			
1	Plug	253268			
7	Latch, door	253373			
28	Plug, plastic	253723			
2	Decal	273739			
1	Door, rear housing		254476-BLK	254476-BLK	327140-BLK
2	Door, housing vented		254475-BLK	254475-BLK	327142-BLK
4	Door, housing		273558-BLK	273558-BLK	327141-BLK
1	Shroud, rear housing		324021	324021	324673
1	Guard, radiator		324042	324042	327139-BLK
1	Roof, housing	324044			

Weather Housing Kit

Parts List					
Kits: PA-324126-SD, PA-324358-SD, PA-327138-SD			Unique Parts		
Qty.	Description	Common Parts	PA-324126-SD	PA-324358-SD	PA-327138-SD
10	Washer, plain O.D.=0.687 in.	X-25-85			
10	Nut, elastic stop 5/16	X-101-16			
10	Screw, 5/16-18 x 1.0	X-125-5			
8	Screw, drill w/washer	X-794-4			
2	Decal, kW		X-6299-4	X-6299-5	X-6299-5
2	Decal	X-6301-1			
1	Decal	X-6301-3			
1	Decal	X-6302-1			
1	Bracket, housing support (r.h.)	253073			
1	Bracket, housing support (l.h.)	253074			
1	Plug	253268			
7	Latch, door	253373			
28	Plug, plastic	253723			
1	Door, rear housing		254476-SD	254476-SD	327140-SD
2	Door, housing vented		254475-SD	254475-SD	327142-SD
4	Door, housing		273558-SD	273558-SD	327141-SD
1	Shroud, rear housing		324021	324021	324673
1	Guard, radiator		324042	324042	327139-SD
1	Roof, housing	324044			