

INSTALLATION INSTRUCTIONS

Original Issue Date: 1/96  
Model: 80/100 kW (Ford Powered Models)  
Market: Industrial  
Subject: Weather Housing Kits PA-326153, PA-326154, PA-333024-SD,  
PA-333025-SD

Model	Kit
80 kW	PA-326153, PA-333024-SD
100 kW	PA-326154, PA-333025-SD

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**

A warning icon showing a black silhouette of a hand being burned by a hot surface, with wavy lines indicating heat or flames.

**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.

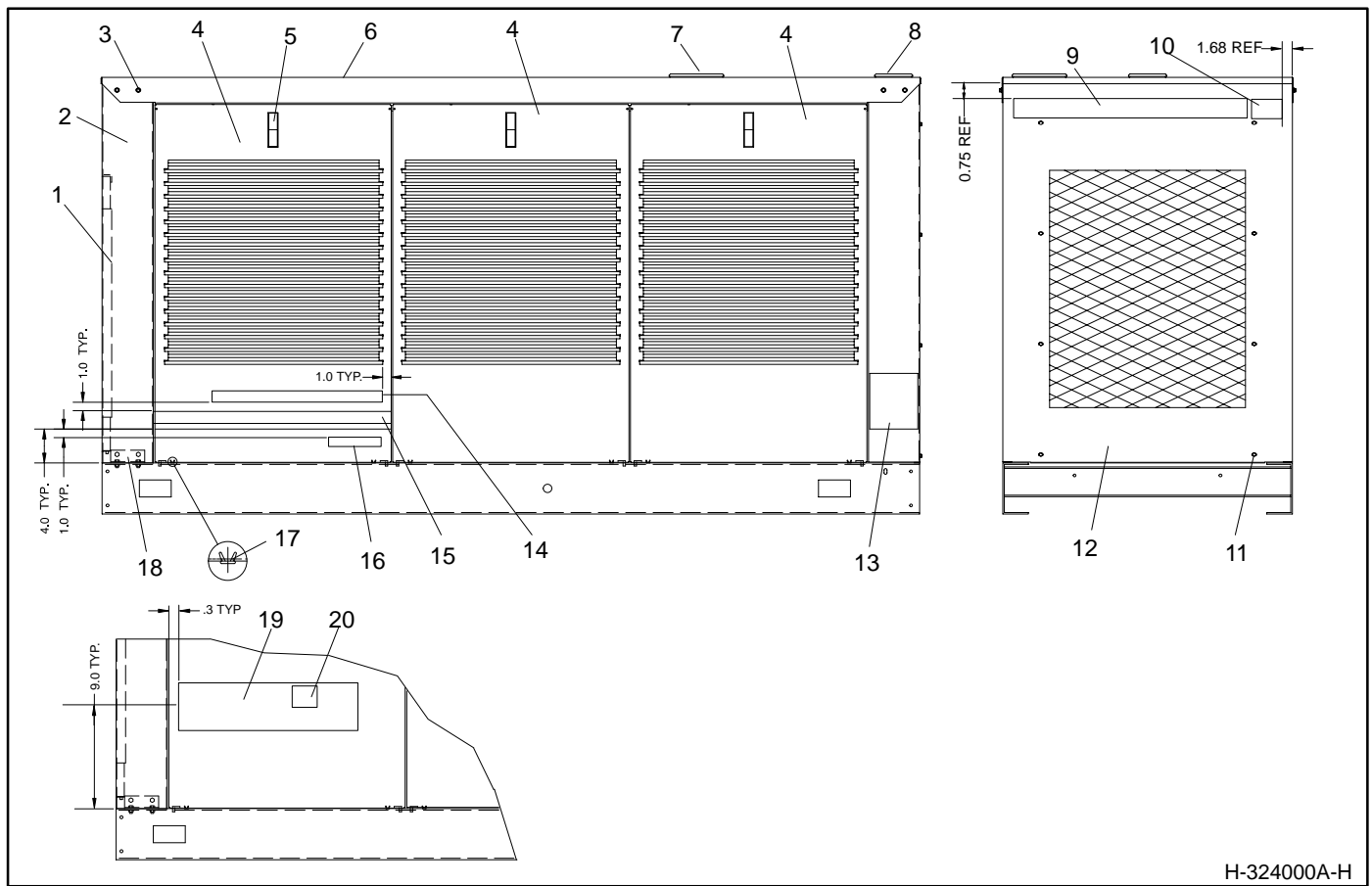
# Installation

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 identify kit components and their relative positions.
4. Disconnect exhaust, if equipped, from the generator set.

## NOTE

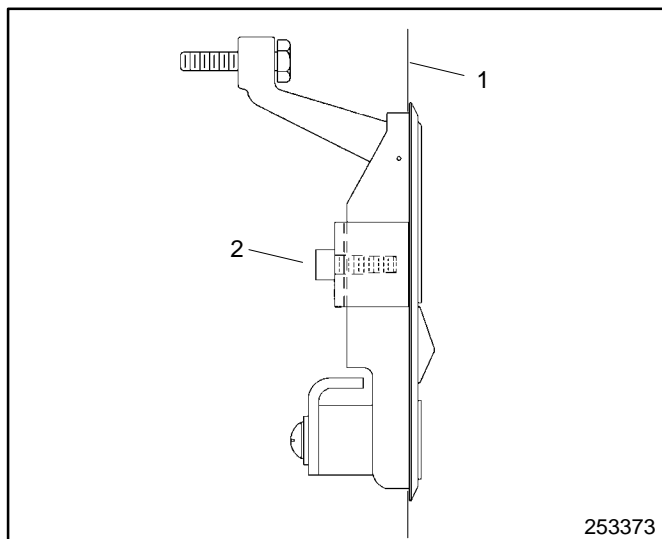
The generator set skid is predrilled to accept the weather housing components.

5. Secure mounting brackets (324141 and 324142) to the alternator end of the skid with screws (X-125-5) and washers (X-25-85). Final tighten hardware.
6. Position rear housing shroud (326146) 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 guard (326145) using hardware removed in step 7.
9. Position weather housing roof (326149) over top of unit. Secure roof to the radiator guard and rear shroud using screws (X-794-4) and 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 2 plugs on inside edge and 2 plugs on the bottom in holes provided.
13. Install rear door (324172-BLK or 324172-SD) on weather housing. See Figure 1.
14. Install side doors (326147-BLK or 326147-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.



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|---|---|
| 1. Back door (324172-BLK or 324172-SD)  | 11. Radiator shroud hardware (use existing) |
| 2. Rear housing shroud (326146)         | 12. Radiator shroud (326145)                |
| 3. Drill screws (X-794-4)               | 13. Decal (X-6247-9 or X-6247-10)           |
| 4. Side doors (326147-BLK or 326147-SD) | 14. Decal (X-6246-1)                        |
| 5. Door latch (253373)                  | 15. Stripes decal (X-6232-2)                |
| 6. Housing roof (326149)                | 16. Decal (273739)                          |
| 7. Exhaust hole plug (X-519-15)         | 17. Plastic door plug (253723)              |
| 8. Radiator hole plug (253268)          | 18. Mounting brackets (324141 and 324142)   |
| 9. Decal (X-6301-3)                     | 19. Decal (X-6301-1)                        |
| 10. Decal (X-6302-1)                    | 20. Decal (X-6299-6)                        |

**Figure 1. Weather Housing Assembly**



1. Door
2. Screw

**Figure 2. Door Latch**

## Weather Housing Kit

Parts List						
Kits: PA-326153, PA-326154, PA-333024-SD, PA-333025-SD			Unique Parts			
Qty.	Description	Common Parts	PA-326153	PA-326154	PA-333024-SD	PA-333025-SD
8	Washer, plain O.D.=0.687 in.	X-25-85				
8	Screw, 5/16-18 x 1.0	X-125-5				
8	Screw, drill w/washer	X-794-4				
2	Decal, kW		X-6247-9	X-6247-10	X-6299-6	X-6299-7
2	Decal, stripes		X-6232-2	X-6232-2		
2	Decal		X-6246-1	X-6246-1		
2	Decal				X-6301-1	X-6301-1
2	Decal				X-6301-3	X-6301-3
2	Decal				X-6302-1	X-6302-1
1	Plug	253268				
7	Latch, door	257373				
28	Plug, plastic door	253723				
2	Decal		273739	273739		
1	Bracket, mounting (r.h.)	324141				
1	Bracket, mounting (l.h.)	324142				
1	Door, rear housing		324172-BLK	324172-BLK	324172-SD	324172-SD
1	Guard, radiator	326145				
1	Shroud, rear housing	326146				
6	Door, housing		326147-BLK	326147-BLK	326147-SD	326147-SD
1	Roof, housing	326149				