

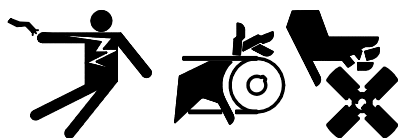
## INSTALLATION INSTRUCTIONS

### Weather Housing Kits 350 ROZD and 350 DS Models

Kit No.	Generator Set Model	Type
PA-279282	350 ROZD	High Ambient Radiator
PA-279287	350 ROZD	Standard Radiator
PA-299906	350 ROZD	Standard Radiator with Circuit Breaker Extension
PA-299907	350 ROZD	High Ambient Radiator with Circuit Breaker Extension
PA-325304-SD	350 DS	Standard Radiator
PA-325305-SD	350 DS	High Ambient Radiator
PA-325336-SD	350 DS	Standard Radiator with Circuit Breaker Extension
PA-325337-SD	350 DS	High Ambient Radiator with Circuit Breaker Extension

The weather housing kit provides weather protection for generator sets installed outdoors. The housing panels can also be locked to prevent unauthorized personnel from tampering with the generator. When installing the weather housing kit, observe the following safety precautions.

#### WARNING



#### **Accidental starting.**

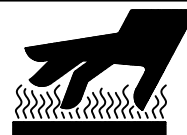
#### **Can cause severe injury or death.**

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 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. 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 unit is allowed to cool.

#### WARNING



#### **Hot coolant and steam. Can cause severe injury or death.**

Before removing pressure cap stop generator, allow to cool and loosen pressure cap to relieve pressure.

**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. Move generator switch to OFF position. Disconnect battery of generator set, negative lead first.
2. Refer to the assembly drawings in Figures 1a and 1b or Figures 2a and 2b to identify kit components and to determine their relative positions.

#### NOTE

The generator skids have been predrilled to accept the weather housing components. No additional drilling is necessary.

3. Drain the radiator (standard radiator only) in a suitable container. Remove radiator cap to expedite the process. If coolant is suitable for reuse, do not allow coolant to be contaminated. DO NOT pollute the environment. Dispose of used coolant and other contaminant in a safe and approved manner.
4. Standard Radiator Models:  
Remove drain valve. Coat male threads with pipe sealant and install elbow (X-215-1), nipple (X-209-5), and drain valve. Elbow must be pointed down.  
  
High Ambient Radiator Models:  
No change is required.
5. Install mounting brackets (272736 and 299905, if applicable), one in each corner of skid, using hardware as indicated in Figures 1 or 2 in predrilled holes provided in generator skid.
6. Attach four housing supports (272733, 299904, and 272811) to mounting brackets (272736 and 299905) using hardware as indicated in Figure 1 or 2.
7. Attach five stiffeners (272851) to underside of roof (279286) using ten screws (X-6216-1) as noted in Figure 1 or 2.
8. Mount end rails (272735) between housing supports (front and rear). Install two side rails (279502 or 299908) and roof. Use screws and washers indicated in Figure 1 or 2.
9. Install plug (253268) and rain disc (279711) in roof. Secure rain disc using pop rivets as shown.
10. Attach radiator shroud (272724 or 279281) to front end rail using 14 crimpite screws (X-6216-1).
11. Install one latch (272831) in each door, using four pop rivets (X-781-11 or X-781-1, as applicable) in each latch.
12. Install four plastic plugs (253723) in each door. In each door, install two plugs on bottom edge and two on top inside edge where door contacts side rails.
13. With surfaces clean and dry, attach decals. Attach decals (X-6246-1, X-6232-2, and 273739) or (X-6246-1, X-6232-1, X-6232-2, and 273739) or (X-6301-1) to lower end of rear, side doors using dimensions indicated in Figure 1 or 2. Trim decals as necessary.
14. Install six side doors (279503-BLK, 279504-BLK, or 299903-BLK) or (279503-SD, 279504-SD, or 299902-SD) and back door (272727-BLK or 272727-SD), securing each with its latch. If doors fit improperly, slightly loosen housing support attaching screws and "resquare" the housing supports.
15. Attach circuit breaker access panel (299909-BLK or 299909-SD) to door (299903-BLK or 299903-SD) using four drill screws (X-794-4). (Kits with circuit breaker extensions only).
16. Check for alignment and final tighten all attaching screws.
17. Refill radiator with proper coolant mixture (standard radiator models only).

#### NOTE

Special attention should be given when checking for proper coolant level. After the coolant has been drained, it normally requires some time before complete refill of the engine water jacket takes place.

#### NOTE

**ENGINE DAMAGE!** Failure to bleed air from cooling system may cause overheating and subsequent damage to engine.

18. Mount silencer as required. See instructions provided with silencer mounting Reference Figure 1 or Figure 2 for holes required for mounting silencer.
19. Check to make sure the generator master switch is in the OFF position; then, reconnect the generator set battery, negative lead last.

## Parts List

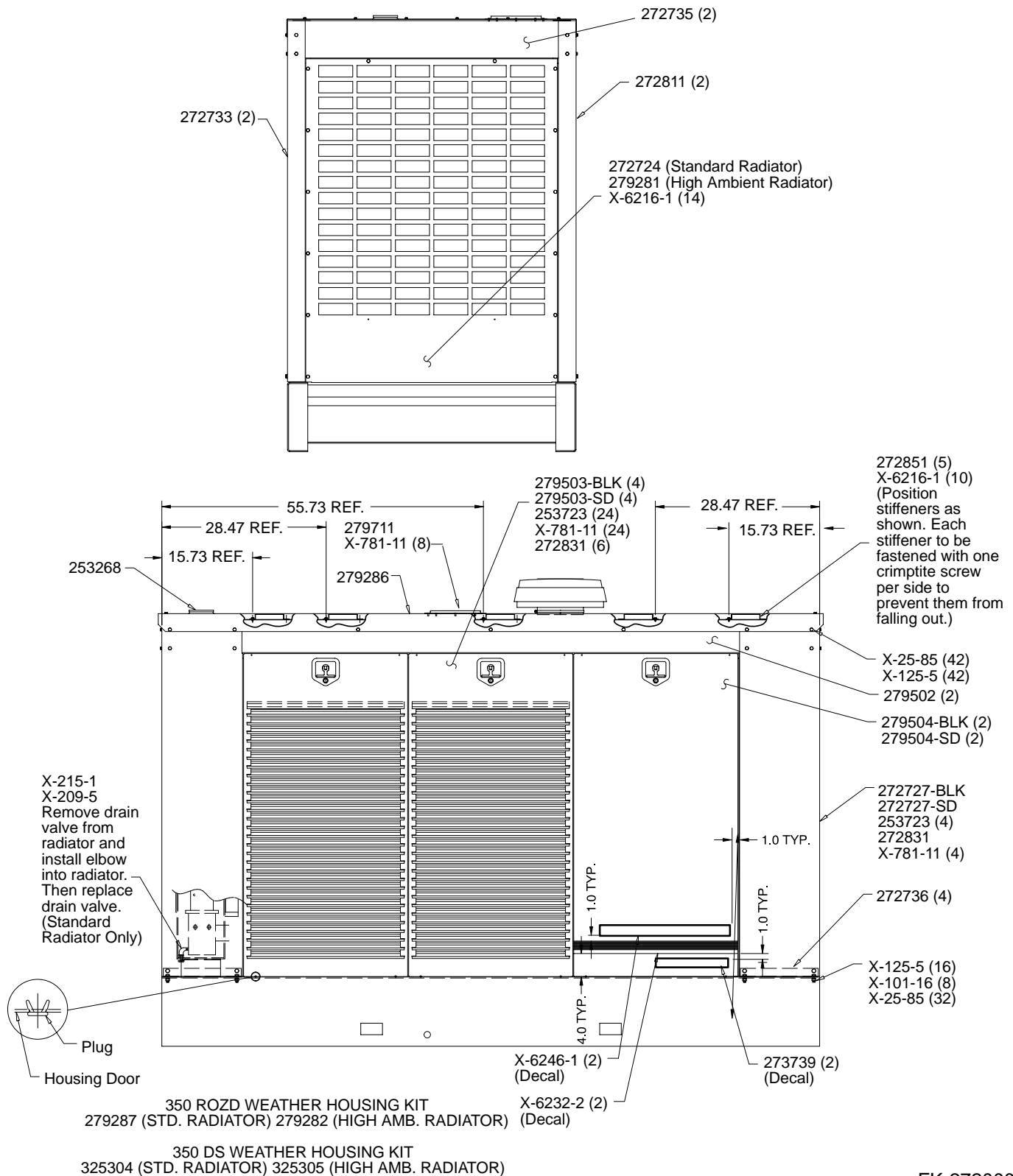
Parts List				
			Unique Parts	
Qty.	Description	Common Parts	PA-279282	PA-279287
1	Shroud, radiator		279281	272724
4	Bracket, mounting	272736		
2	Support, housing	272733		
2	Support, housing	272811		
2	Rail, end	272735		
1	Roof	279286		
5	Stiffeners, roof	272851		

Parts List				
			Unique Parts	
Qty.	Description	Common Parts	PA-279282	PA-279287
1	Disc, rain	279711		
1	Plug	253268		
2	Rail, side	279502		
4	Door, louvered	279503-BLK		
2	Door, plain	279504-BLK		
2	Decal, stripes	X-6232-2		
2	Decal, logo	X-6246-1		
2	Decal	273739		
1	Door, back	272727-BLK		
28	Plug, plastic	253723		
7	Latch, adj. door	272831		
36	Rivet, pop	X-781-11		
74	Washer, plain 0.344 x 0.687 x 0.065	X-25-85		
58	Screw, 5/16-18 x 1	X-125-5		
24	Screw, crimpitite Phillips® head 10-24 x 1/2	X-6216-1		
8	Nut, elastic stop	X-101-16		
1	Nipple, pipe			X-209-5
1	Elbow, pipe 1/2 NPT			X-215-1
1	Shroud, radiator		272724	279281
4	Bracket, mounting	272736		
2	Support, housing	272733		
2	Support, housing	272811		
2	Rail, end	272735		
1	Roof	279286		
5	Stiffeners, roof	272851		
1	Disc, rain	279711		
1	Plug	253268		
2	Rail, side	279502		
4	Door, louvered	279503-SD		
2	Door, plain	279504-SD		
2	Decal, logo	X-6301-1		
1	Door, back	272727-SD		
28	Plug, plastic	253723		
7	Latch, adj. door	272831		
28	Rivet, pop	X-781-1		
8	Rivet, pop	X-781-11		
74	Washer, plain	X-25-85		
58	Screw, 5/16-18 x 1	X-125-5		
16	Screw, crimpitite Phillips® head	X-6216-1		
8	Nut, elastic stop	X-101-16		
1	Nipple, pipe		X-209-5	
1	Elbow, pipe 1/2 NPT		X-215-1	
1	Shroud, radiator		272724	279281
3	Bracket, mounting	272736		
1	Bracket, mounting (right rear)	299905		

## Parts List

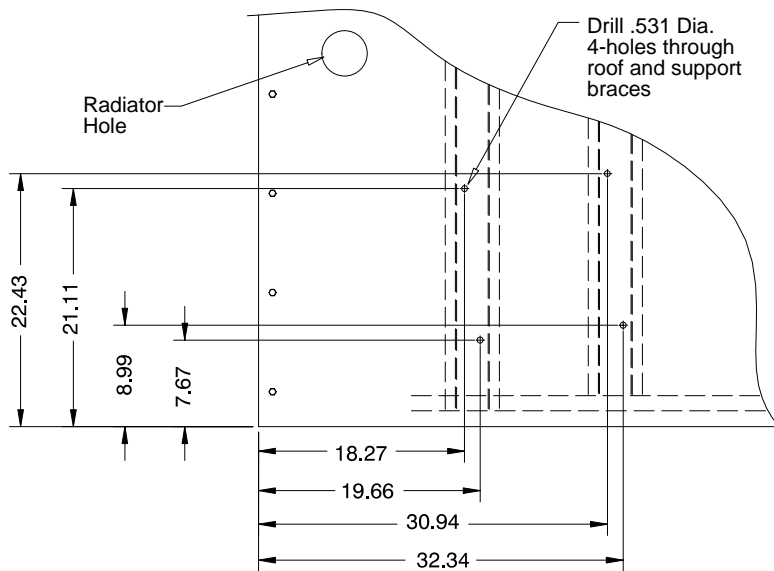
			Unique Parts	
Qty.	Description	Common Parts	PA-279282	PA-279287
1	Support, housing (right front)	272733		
1	Support, housing (left front)	299904		
2	Support, housing rear	272811		
1	Panel, breaker access	299909-BLK		
2	Rail, end	272735		
1	Roof	279286		
5	Stiffeners, roof	272851		
1	Disc, rain	279711		
1	Plug	253268		
1	Rail, side LH	279502		
1	Rail, side RH	299908		
4	Door, louvered	279503-BLK		
1	Door, plain LH	279504-BLK		
1	Door, plain RH	299903-BLK		
1	Decal, stripes RH	X-6232-1		
1	Decal, stripes LH	X-6232-2		
2	Decal, logo	X-6246-1		
2	Decal	273739		
1	Door, back	272727-BLK		
28	Plug, plastic	253723		
7	Latch, adj. door	272831		
28	Rivet, pop	X-781-1		
6	Rivet, pop	X-781-11		
69	Washer, plain	X-25-85		
55	Screw, 5/16-18 x 1	X-125-5		
16	Screw, crimp-tite Phillips® head	X-6216-1		
8	Nut, elastic stop	X-101-16		
1	Nipple, pipe		X-209-5	
1	Elbow, pipe 1/2 NPT		X-215-1	
4	Screw, drill head	X-794-4		
1	Shroud, radiator		272724	279281
3	Bracket, mounting	272736		
1	Bracket, mounting (right rear)		299905	
1	Support, housing (right front)		272733	
1	Support, housing (left front)		299904	
2	Support, housing rear	272811		
1	Panel, breaker access	299909-SD		
2	Rail, end	272735		
1	Roof	279286		
5	Stiffeners, roof	272851		
1	Disc, rain	279711		
1	Plug	253268		
1	Rail, side LH	279502		
1	Rail, side RH	299908		
4	Door, louvered	279503-SD		

Parts List				
			Unique Parts	
Qty.	Description	Common Parts	PA-279282	PA-279287
1	Door, plain LH	279504-SD		
1	Door, plain RH	299903-SD		
2	Decal, logo	X-6301-1		
1	Door, back	272727-SD		
28	Plug, plastic	253723		
7	Latch, adj. door	272831		
28	Rivet, pop	X-781-1		
8	Rivet, pop	X-781-11		
74	Washer, plain	X-25-85		
58	Screw, 5/16-18 x 1	X-125-5		
24	Screw, crimpitite Phillips® head	X-6216-1		
8	Nut, elastic stop	X-101-16		
1	Nipple, pipe		X-209-5	
1	Elbow, pipe 1/2 NPT		X-215-1	

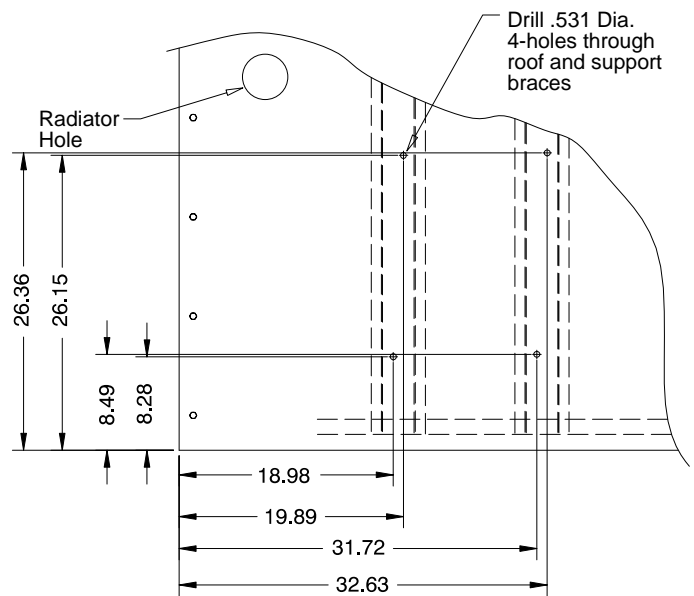


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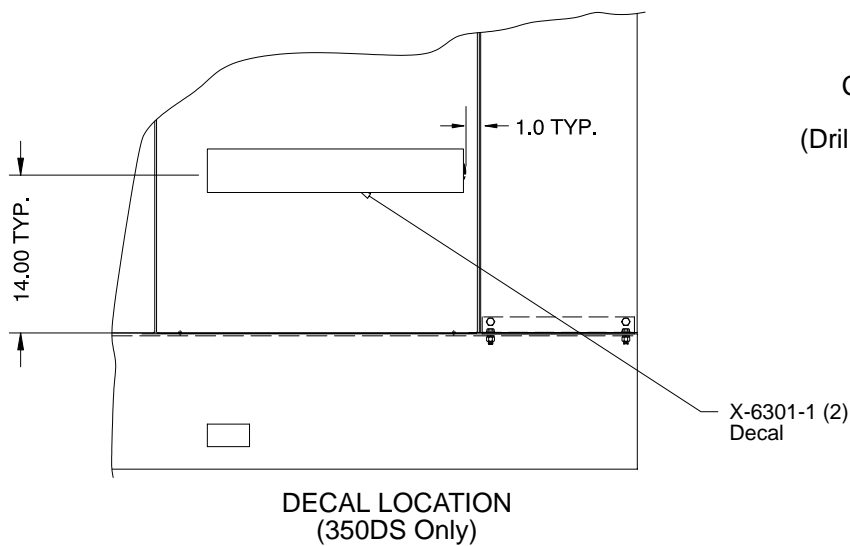
**Figure 1a. Weather Housing (Standard and High Ambient Radiator)  
(Without Circuit Breaker Extension)**



**RESIDENTIAL SILENCER MOUNTING  
HOLE LOCATIONS**  
(Drill Holes Only When Silencer Required)

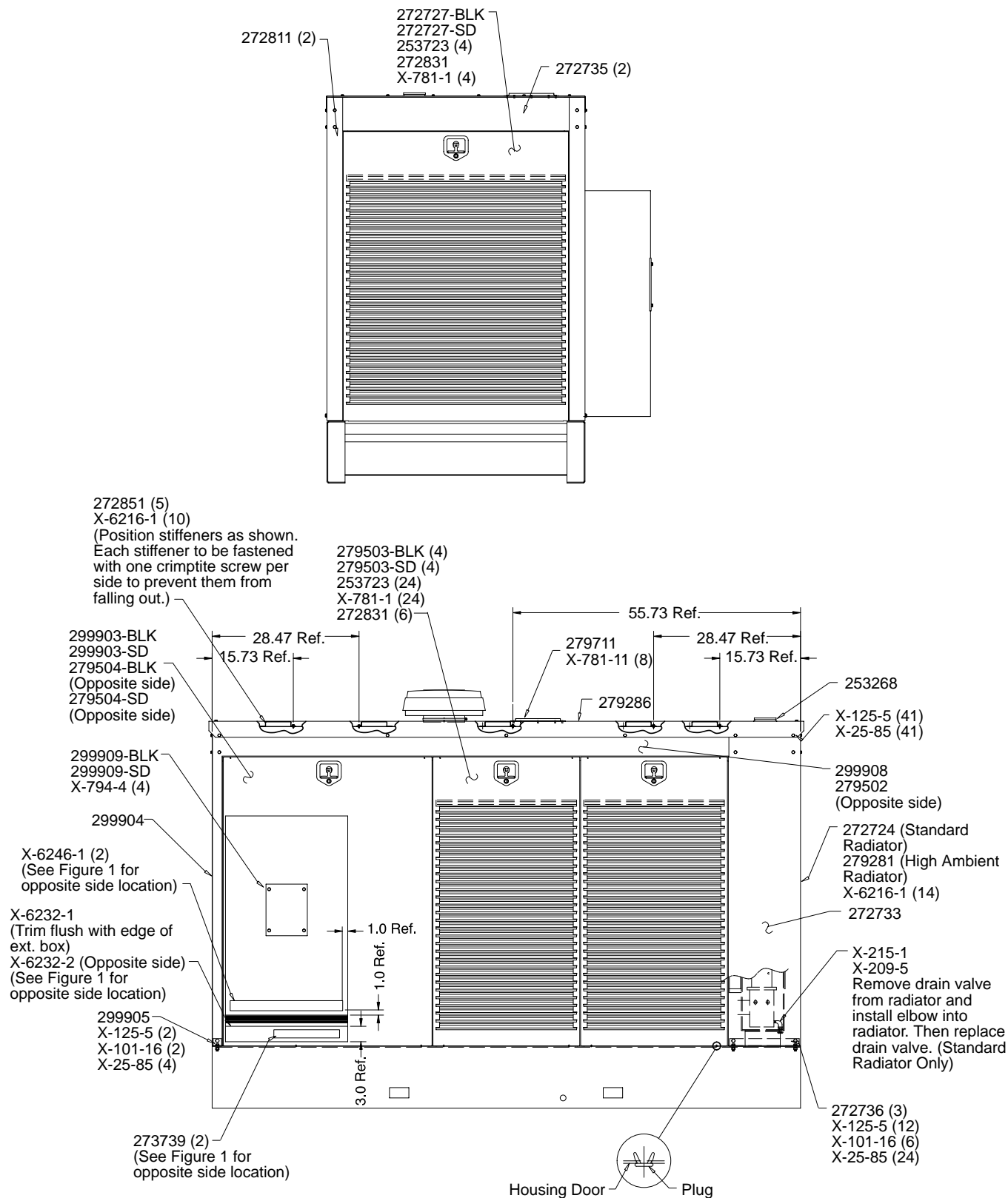


**CRITICAL SILENCER MOUNTING  
HOLE LOCATIONS**  
(Drill Holes Only When Silencer Required)



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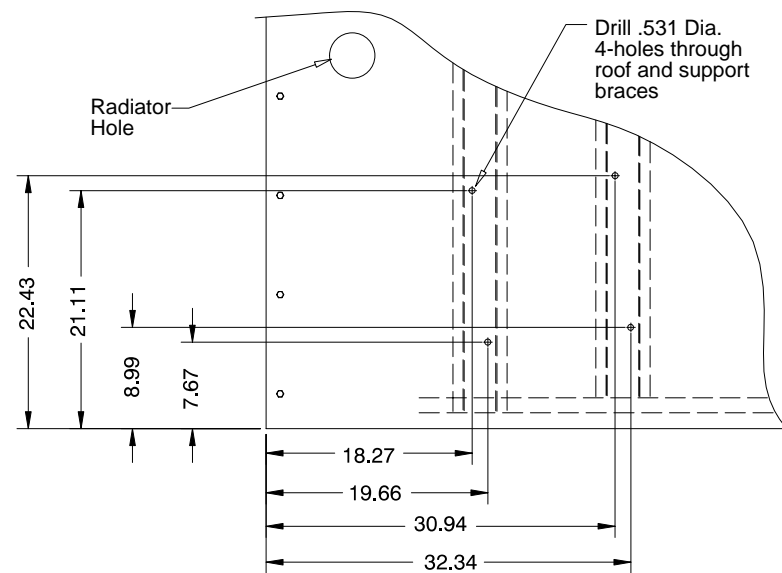
**Figure 1b. Weather Housing (Standard and High Ambient Radiator)  
(Without Circuit Breaker Extension)**



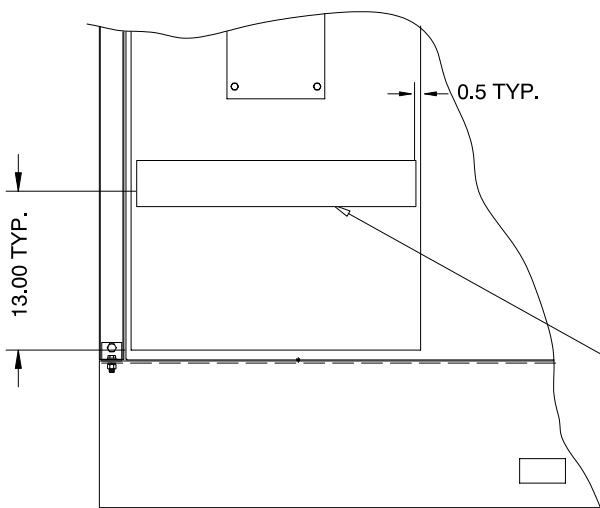
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**Figure 2a. Weather Housing (Standard and High Ambient Radiator)  
(With Circuit Breaker Extension)**

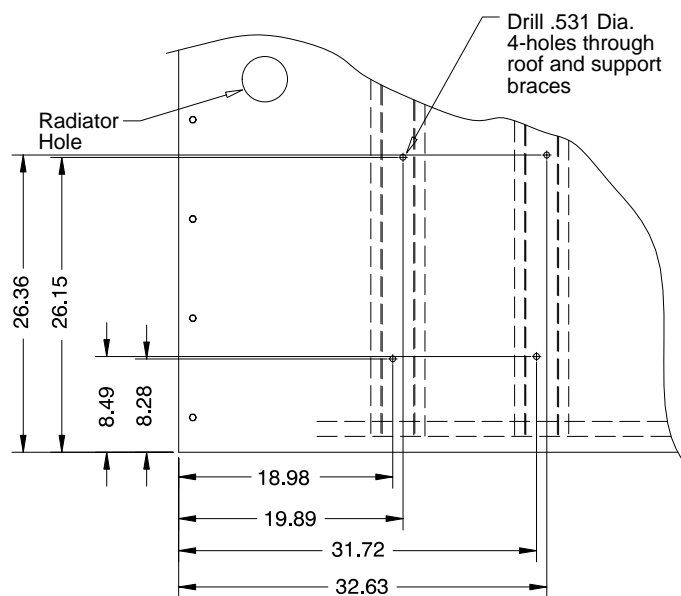




**RESIDENTIAL SILENCER MOUNTING  
HOLE LOCATIONS**  
(Drill Holes Only When Silencer Required)



**DECAL LOCATION**  
(350DS Only)



**CRITICAL SILENCER MOUNTING  
HOLE LOCATIONS**  
(Drill Holes Only When Silencer Required)

X-6301-1 (2)  
Decal

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**Figure 2b. Weather Housing (Standard and High Ambient Radiator)  
(With Circuit Breaker Extension)**