

SOUND GUARD INSTALLATION INSTRUCTIONS & PARTS LIST

FOR DIESEL GENERATOR MODELS 45.0 BED, 55.0 BED, 65.0 BED & 95.0 BED

INTRODUCTION

This Westerbeke SOUND GUARD is for Diesel Generator Models 45.0 BED, 55.0 BED, 65.0 BED and 95.0 BED. It consists of eight powder-coated panels, an air dam, and a neoprene supporting rail for the generator's base. The panels are lightweight and easy to clean. They attach to each other and to the generator's base to form a rigid, compact sound insulated enclosure for your generator.

Intake air enters the SOUND GUARD through openings in the rear panel. An air dam adjacent to the rear panel isolates the back end of the generator. The air dam directs all the intake air into the back end of the generator and also prevents the recirculation of heated air from the engine. The rear panel has a removable cover to allow the connection of power take-off (PTO) equipment to the generator.

The front panel has an attached plenum. Heated air from the engine and generator is discharged through this plenum and out through openings in the front panel.

The SOUND GUARD utilizes the large capacity fan between the engine's flywheel and the generator to supply air for cooling and combustion, and to evacuate air from the SOUND GUARD. The installation must be planned so there is a good continuous supply of cool inlet air and the heated discharge air must be drawn away from the SOUND GUARD so it cannot recirculate through the SOUND GUARD and interfere with proper cooling.

Assembling Westerbeke's SOUND GUARD is quick and easy, even in close quarters. The panels are assembled with quick-action neoprene latches and metal clasps. One or more of the panels can be easily removed for inspection and servicing. If major repairs to the generator are needed, the quick-release fasteners and handholds allow the entire enclosure to be disassembled in a few minutes.

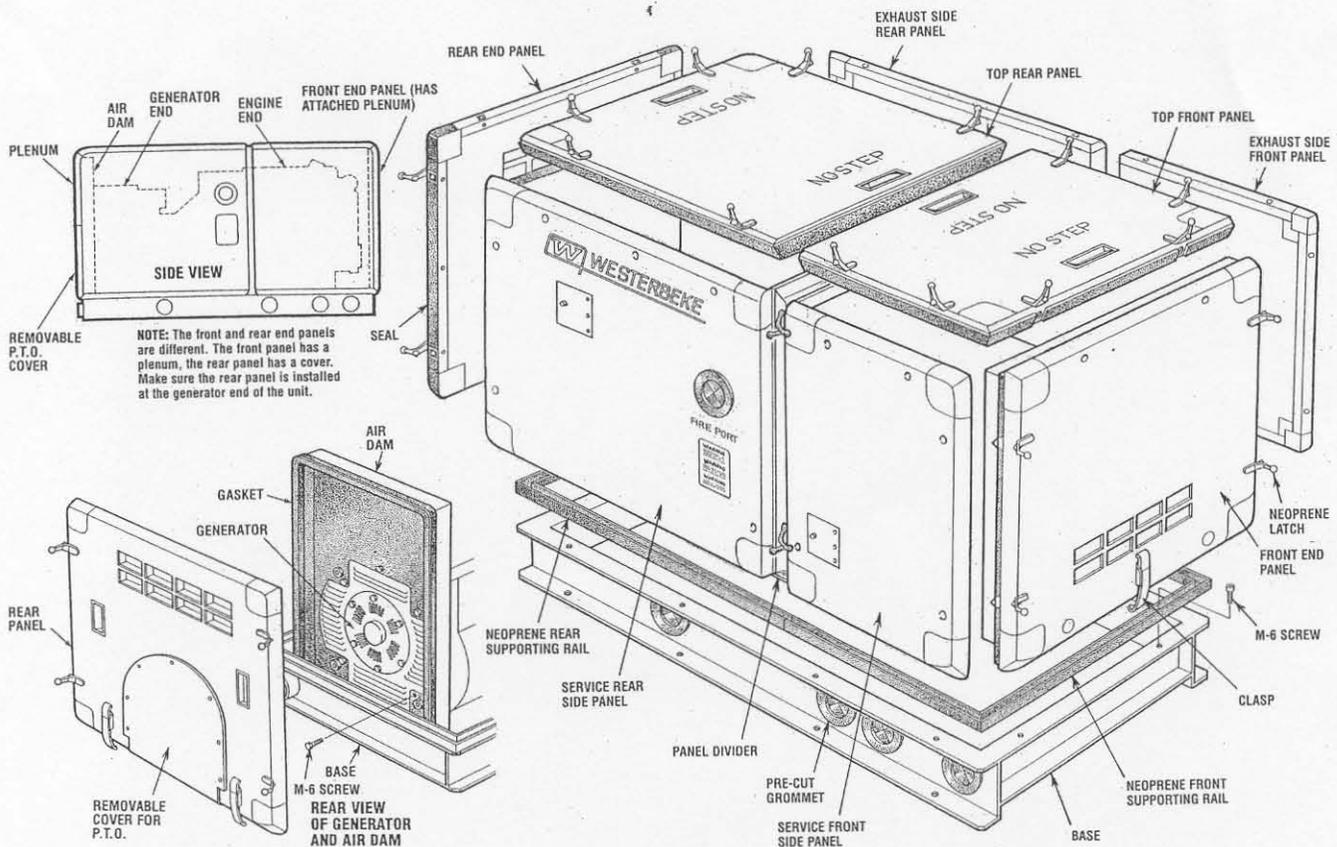
PREPARING THE GENERATOR FOR THE SOUND GUARD

1. Remove the belt guard from the front of the generator's engine, the belt guard must be removed when generator is installed in a SOUND GUARD.
2. Make sure that all external connections are made through the grommetted access holes in the generator's base. These connections include the raw water line, fuel line, exhaust line, AC wiring and battery cables. The grommets are pre-cut. Select the holes that are the most convenient for your installation.

INSTALLING THE SOUND GUARD

1. Uncrate the SOUND GUARD, and find the following: four side panels, front and rear panels, two top panels, panel divider, air dam, six neoprene support rails and mounting hardware.
2. Install the air dam onto the front face of the generator stator housing with five M-6 screws (see illustration). Make sure it fits snug.
3. Install panel divider to base with four M-5 screws.

(continued)



4. Mount the neoprene supporting rail to the generator's base with M6 screws using the pre-drilled mounting holes in the base (see illustration). The supporting rail is in two pieces.
5. Assemble the SOUND GUARD panels as follows, using the illustration as a guide.

NOTE: When assembling the panels, make sure they seat properly in the neoprene supporting rail and that the rubber positioning guides in the sides of the panels fit snugly into the corresponding recesses in the adjacent panels.

- a. If you are connecting power talk-off (PTO) equipment to the generator at this time, remove the PTO cover from the rear panel (see illustration). This will provide access to the generator's back end, allowing the PTO equipment to be installed. If you are not using the PTO at this time, leave the cover on the panel and proceed to step b.

NOTE: You may need to trim the rear neoprene rail to allow the Westerbeke PTO housing to fit properly.

- b. Install front side panels with front end panel.

NOTE: Engage the neoprene latches to the front side panels. Don't engage the metal clasp(s) on the front end panel yet.

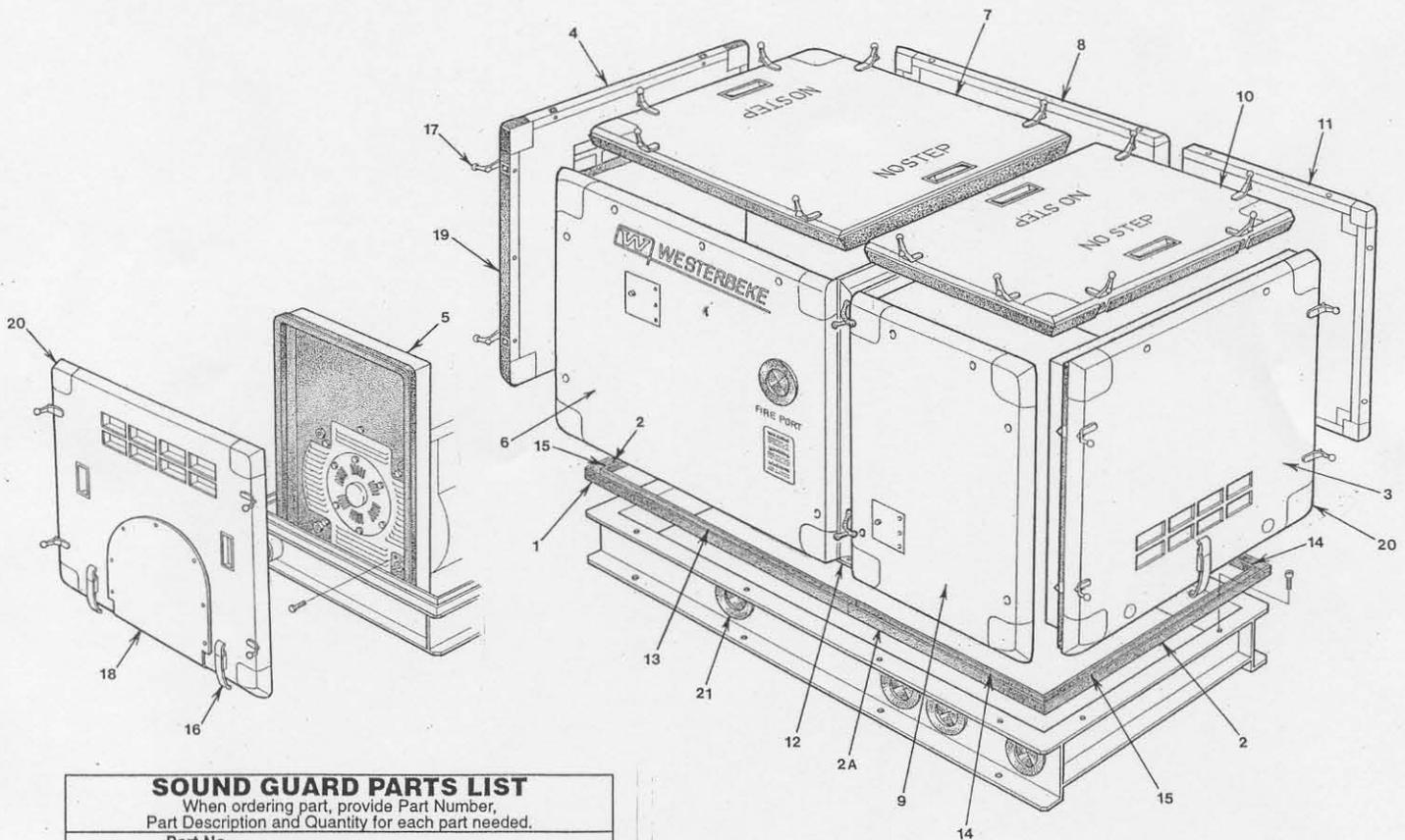
- c. Install the rear side panels and rear end panel. Engage the four neoprene latches. Don't engage the metal clasps on the end panel yet.

NOTE: The rear panel should fit snug against the gasket on the air dam.

- d. Engage the eight neoprene latches on the panel divider to the four side panels.

- e. Install the top front and rear panels and engage the eighteen neoprene latches with the two end panels and the four side panels and panel divider.

- f. Now engage the three metal clasps located at the bottoms of the end panels with base. The installation of the SOUND GUARD is now complete.



SOUND GUARD PARTS LIST

When ordering part, provide Part Number, Part Description and Quantity for each part needed.

REF	Part No.		PART DESCRIPTION	QTY
	45-55 BED	65-95 BED		
1	47952	47954	Support, SG Side/Front	2
2	44551	44551	Support, SG Front/Rear	2
2A	47953	47955	Support, SG Side/Rear	2
3	44564	44564	Panel, SG Front	1
4	44565	44565	Panel, SG Rear	1
5	44481	44881	Air Dam Assy, SG	1
6	47881	47757	Panel, SG Side Service Rear	1
7	47882	47758	Panel, SG Top Rear	1
8	47883	47759	Panel, SG Side Exhaust Rear	1
9	47884	47760	Panel, SG Side Service Front	1
10	47885	47761	Panel, SG Top Front	1
11	47886	47762	Panel, SG Side Exhaust Front	1
12	47951	47951	Divider, SG Panel	1
13	47957	47960	Channel, SG Rail Side Rear	2
14	47958	47961	Channel, SG Rail Side Front	2
15	47959	47959	Channel, SG Rail End	2
THE FOLLOWING PARTS ARE PART OF SUB-ASSEMBLY				
16	44080	44080	Clasp	3
17	43775	43775	Latch, Neoprene	34
18	44435	44435	Cover, PTO	1
19	43248	43248	Seal*	
20	42638	42638	Corner	32
21	43787	43787	Grommet, Neoprene	9

*Order as required, by the inch.

