
INSTALLATION INSTRUCTIONS

Original Issue Date: **9/95**

Model: **150ROZJ (oversized alternator) and 180ROZJ**

Market: **Industrial**

Subject: **Sound Shield Enclosure Kits PA-336261, 336261, PA-336360, 336360**

Models	Kits
150 ROZJ (oversized alternator)	PA-336360, 336360
180ROZJ	PA-336261, 336261

Sound shield enclosure provides generator set protection in all weather conditions and sound dampening when operating the generator set.

The following instructions apply to sound shield kits ordered with the generator or kits ordered separate from the generator set. The sound shield is preassembled at the factory; however some final assembly is required at the time of installation.

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.

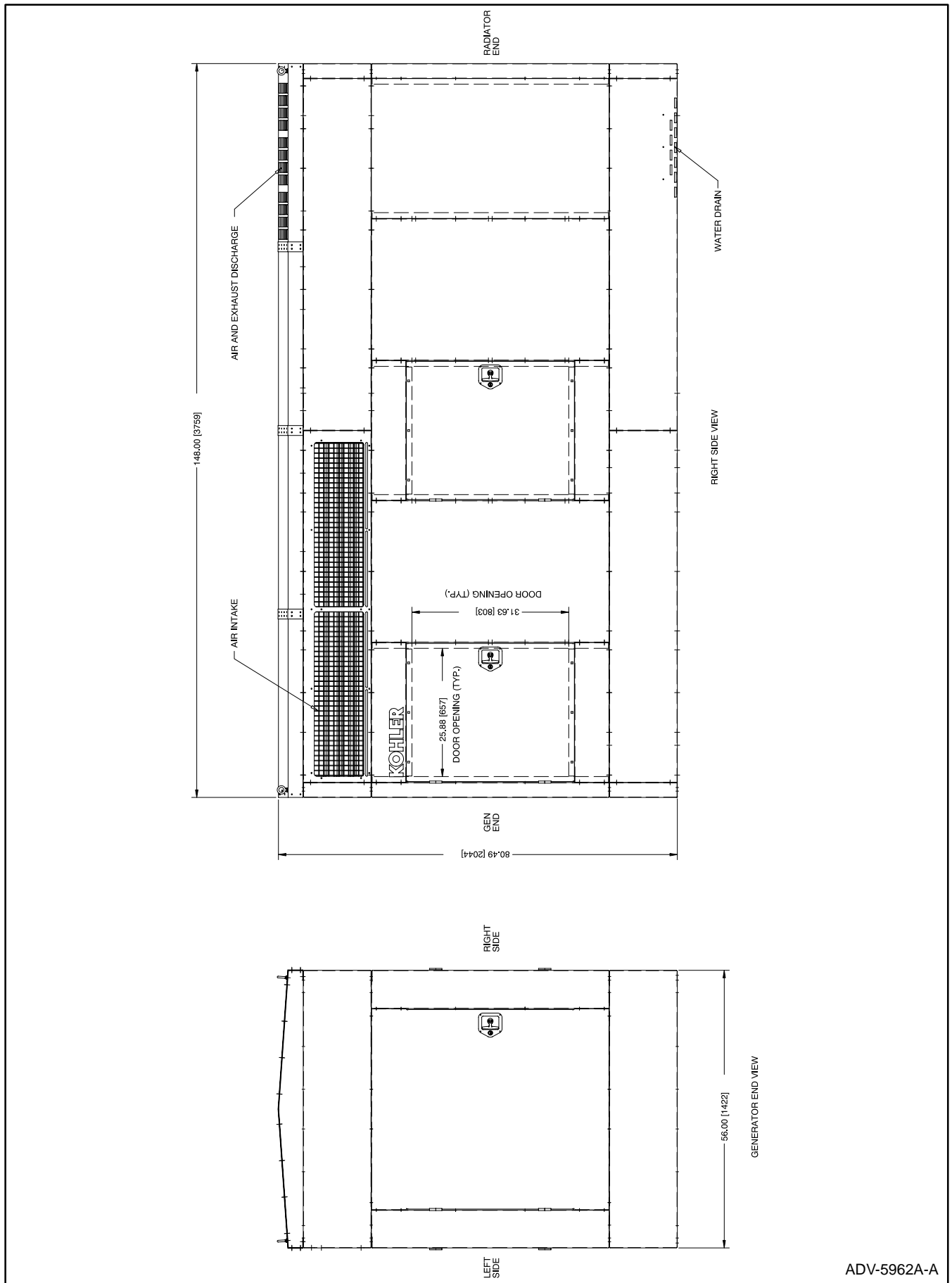


**Accidental starting.
Can cause severe injury or death.**

Disconnect battery cables before working on generator set (negative lead first and reconnect it last).

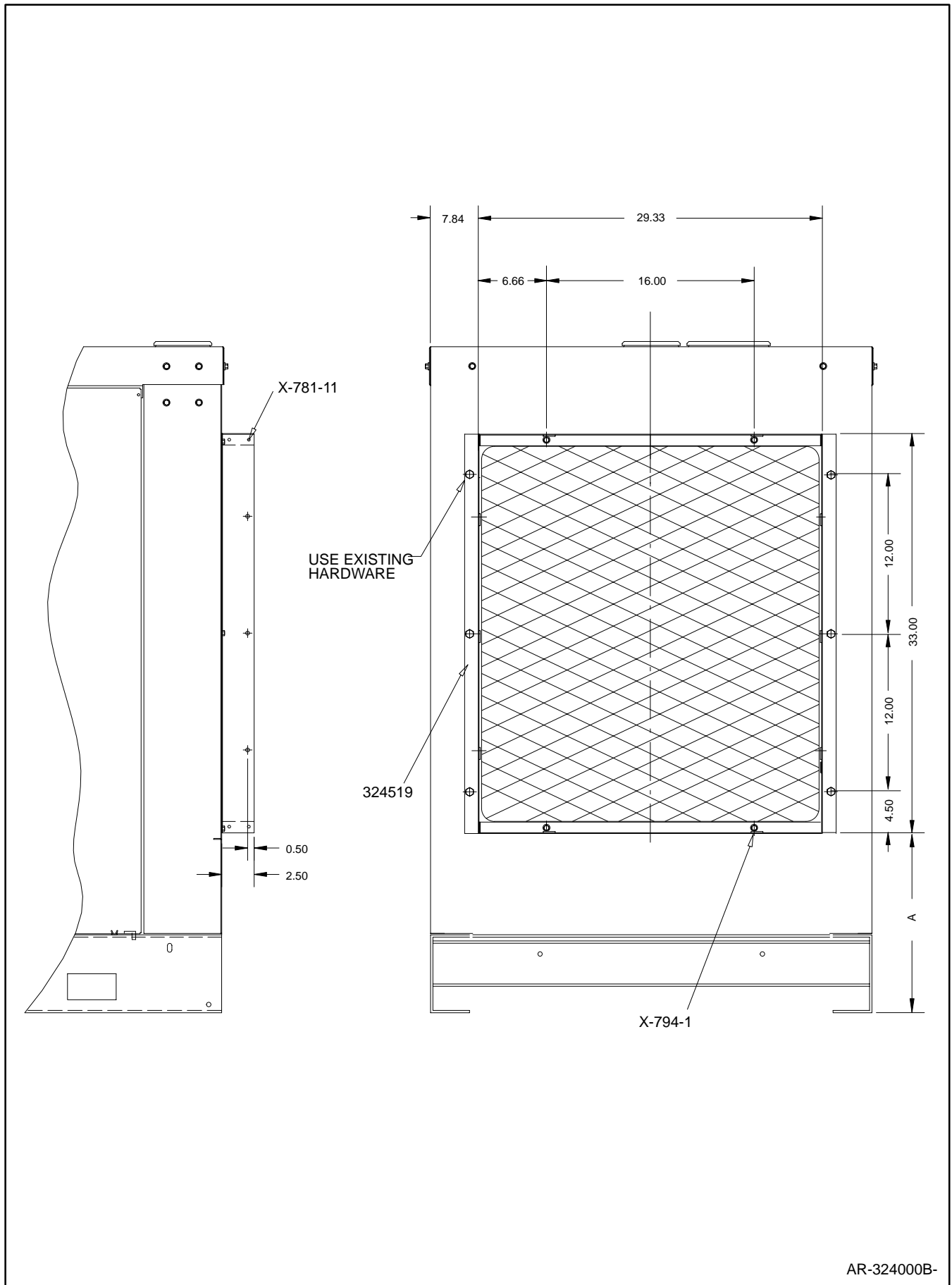
Installation

1. Disconnect the generator set engine starting battery, negative (-) lead first.
2. Remove sound shield access doors. Mark doors before removing for ease of reinstallation. Doors and openings are factory-aligned for fit and appearance.
3. Remove screws attaching the sound shield enclosure to the shipping pallet.
4. Remove drill screws attaching radiator duct flange to radiator shroud, if already installed. See Figure 2. Do not remove bolts attaching radiator duct flange to the sound shield enclosure.
5. Remove any shipped-loose components, packing material, and literature from inside the sound shield. If exhaust piping is preassembled disconnect exhaust system at exhaust manifold.



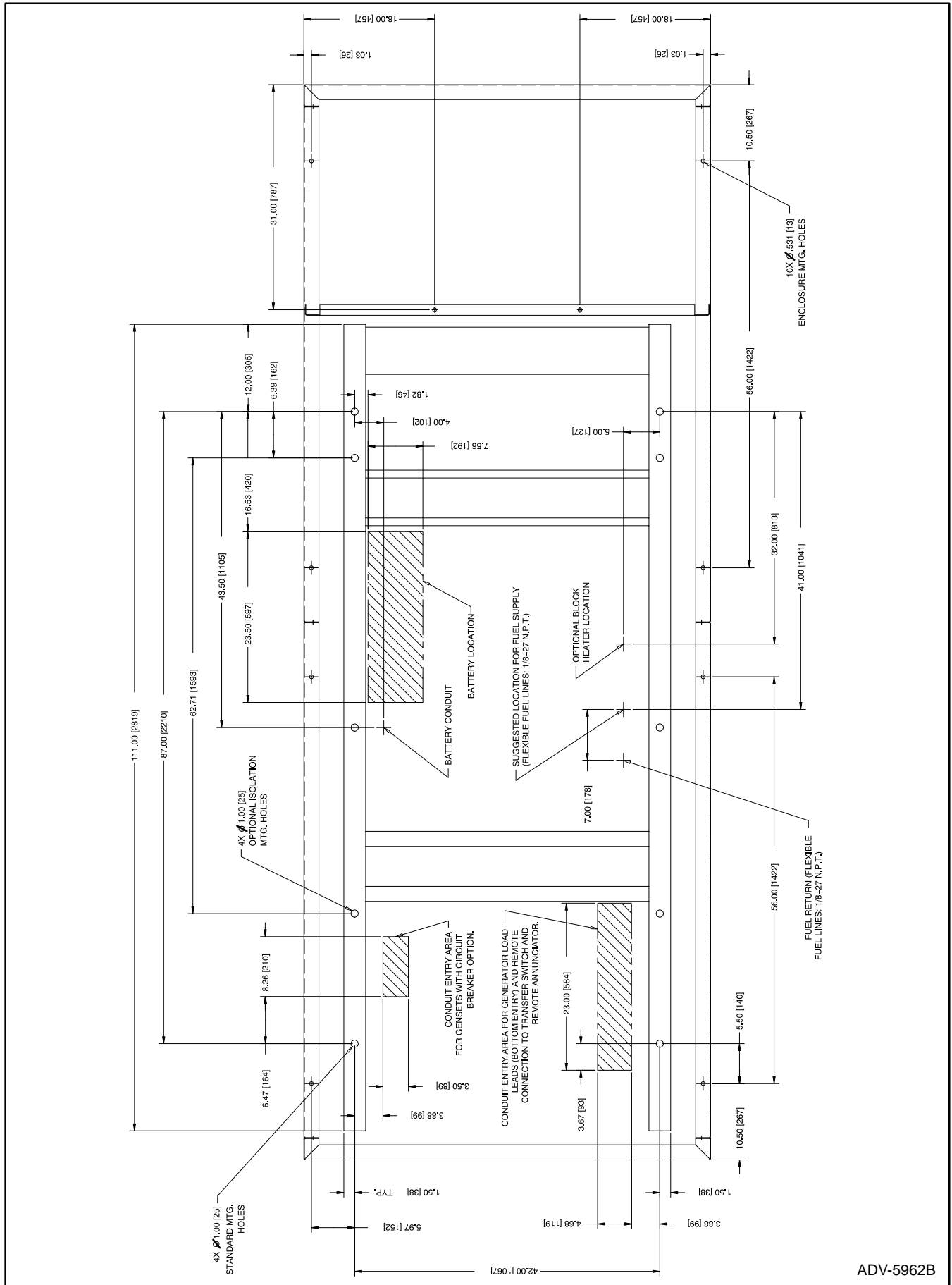
ADV-5962A-A

Figure 1. Sound Shield Dimension Drawing



AR-324000B-

Figure 2. Radiator Duct Flange Mounting



ADV-5962B

Figure 3. Sound Shield Dimension Drawing

6. Check weight of sound shield and choose lifting equipment capable of handling the weight. Use current sound shield spec sheet for weights. Place sound enclosure on a solid flat surface until installed over generator set.

Hoist the entire enclosure, including the silencer using hoist at each eye bolt on top of enclosure. Lift slowly to prevent damage to generator set and/or sound enclosure. The unit may require balancing to achieve vertical removal because the silencer is mounted to the sound shield. Use load levelers as necessary to balance the load. Use care that loose exhaust does not damage engine and/or sound enclosure if exhaust system is preassembled.

7. Lift and place generator set on mounting base with sound shield enclosure removed. Check weight of generator set and choose lifting equipment capable of handling the weight. Use current generator set spec sheet for updated weights. Mount generator set to mounting base according to spec. Remove lifting equipment from generator set.
8. Raise sound shield enclosure and place over generator set. Observe each corner for adequate clearance while carefully lowering sound shield. Check that exhaust system is correctly aligned if unit has preassembled exhaust piping. Remove hoist equipment from sound shield enclosure.
9. Align radiator duct flange to radiator shroud. Attach radiator duct flange to radiator shroud using four drill screws (X-794-1). Predrill mounting holes if an impact wrench is not available. See Figure 2.
10. Secure sound shield enclosure to mounting base. See Figure 3 for hole locations.

NOTE

The exhaust system may be partially preassembled on some units.

11. Starting at exhaust muffler install exhaust pipe (336340), exhaust pipe (336339), and exhaust pipe (336341). At each connection install exhaust clamps (289372). Install exhaust clamp (276949) at exhaust manifold outlet. Do not tighten exhaust clamps at this time. See Figure 4.

Final tighten all exhaust clamps with each section installed and exhaust pipe centered in hole of sound shield enclosure.

12. Install fiberglass exhaust wrap (19000 09400) over exhaust piping. Start at exhaust manifold and use hose clamp (X-426-5) to secure end. Overlap exhaust wrap about 1/3 to 1/2 of the material width. The end of the exhaust wrap must stop at or beyond the point where the exhaust pipe goes through the hole in the sound shield enclosure. Secure end of exhaust wrap with hose clamp (X-426-5).
13. Finalize installation of generator set. Install battery rack and cables. Connect fuel supply and return line to generator set. Make all AC connections and replace junction box panels. Connect all remote electrical wiring (remote emergency stop, remote annunciator, etc.).
14. Install all sound shield enclosure access doors in their original locations. If required, readjust doors for fit and appearance. Check that all hardware has been tightened. With generator set master switch in the OFF position, reconnect engine starting battery, negative (-) lead last.

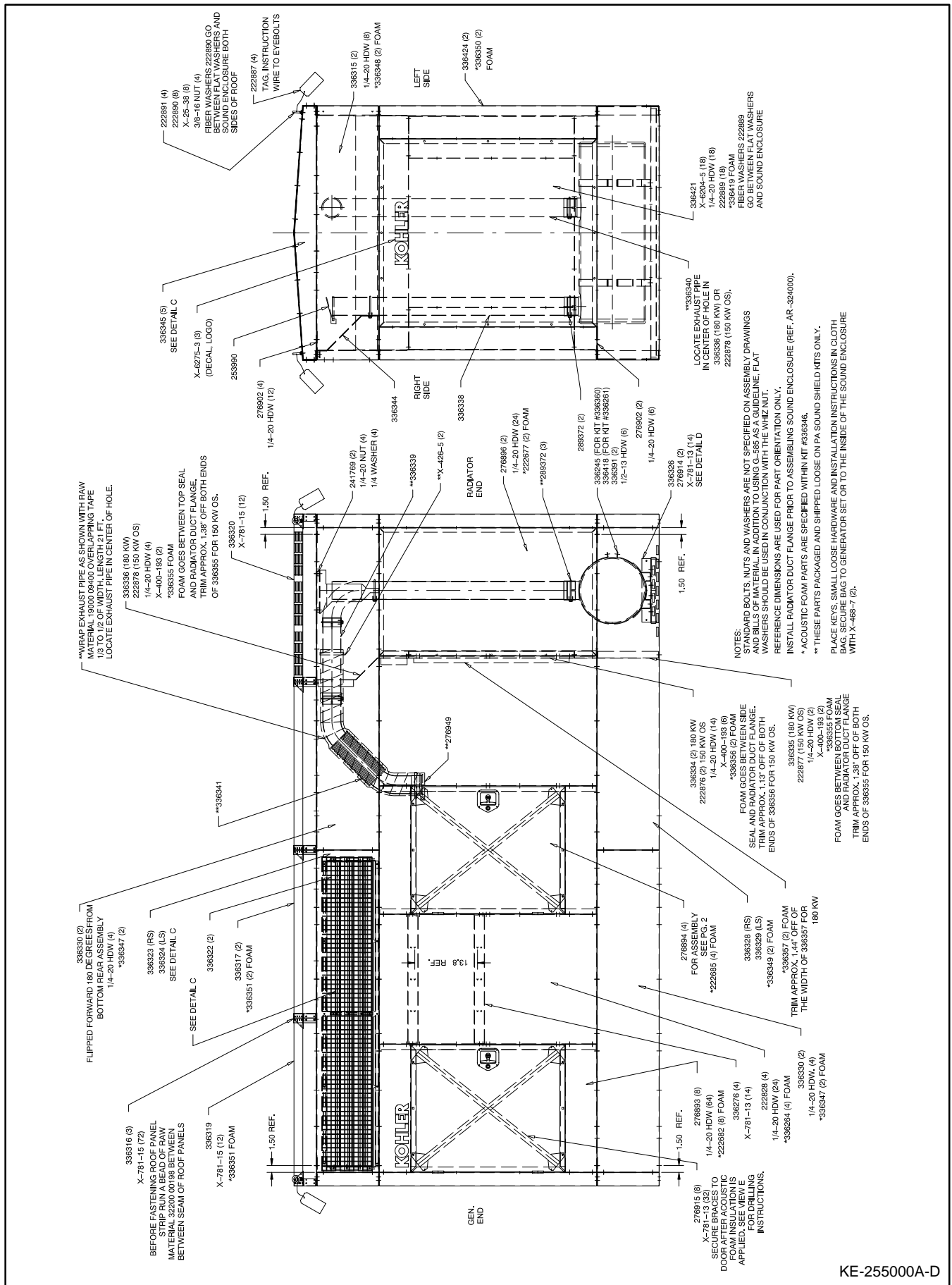


Figure 4. Sound Shield Assembly

KE-255000A-D

Parts List

KITS PA-336260,336260 PA-336261, 336261			Unique Parts	
Qty.	Description	Common Parts	PA-336261 336261	PA-336360 336360
8	Washer, plain	X-25-38		
10	Spacer	X-400-193		
2	Clamp, hose 4.875/3.62	X-426-5		
2	Tie, cable	X-468-7		
12	Nut, retainer	X-6204-5		
3	Logo, Kohler	X-6275-3		
8	Rivet, pop	X-781-11		
90	Rivet, pop	X-781-13		
152	Rivet, pop	X-781-15		
4	Screw, drill	X-794-1		
33	Foam, seal tape (ft.)	19000 08100		
26	Insulation, fiberglass (ft.)	19000 09400		
53	Foam, PVC seal tape (ft.)	19010 08118		
4	Support, side door	222828		
2	Seal, side		336334	222876
1	Seal, side		336335	222877
1	Seal, side		336336	222878
4	Tag, instruction	222887		
18	Washer, fiber	222889		
8	Washer, fiber	222890		
4	Bolt, eye	222891		
2	Mount, controller	241769		
1	Cap,rain	253990		
12	Support, door	276893		
4	Door	276894		
2	Panel, side	276896		
12	Gusset, corner	276902		
2	Stiffener, muffler support	276914		
8	Brace, door	276915		
5	Latch, key locking	276918		
1	Clamp, manifold	276949		
5	Clamp, exhaust pipe 4 in.	289372		
40	Screw, flat head machine	295098		
10	Hinge, split	297601		
2	Frame, air duct		326212	324518
3	Frame, air duct		325213	324519
1	Muffler, exhaust		336418	336245
2	Support, screen	336257		
6	Louver, air intake	336258		
4	Bracket, battery charger	336276		
4	Channel, end	336315		

Parts List

KITS PA-336260,336260 PA-336261, 336261			Unique Parts	
Qty.	Description	Common Parts	PA-336261 336261	PA-336360 336360
3	Strip, roof	336316		
2	Panel, roof	336317		
1	Panel, roof	336319		
1	Panel, roof	336320		
2	Support, screen	336321		
2	Screen	336322		
1	Channel, air intake	336323		
1	Channel, air intake	336324		
2	Baffle	336325		
1	Support, muffler	336326		
1	Channel, drain	336328		
1	Channel, drain	336329		
4	Channel, solid	336330		
2	Louver, air intake	336331		
2	Strap, foam wedge	336337		
1	Pipe, exhaust	336338		
1	Pipe, exhaust	336339		
1	Pipe, exhaust	335340		
1	Pipe, flex exhaust	336341		
1	Support, foam wedge	336342		
2	Strap, foam wedge	336343		
1	Support, exhaust	336344		
5	Support, roof	336345		
1	Kit, acoustic foam	336346		
2	Clamp, muffler	336391		
1	Clamp, muffler		336245	336418
1	Door, front	336421		
2	Brace, door	336422		
1	Door	336423		
4	Support, corner	336424		