
INSTALLATION INSTRUCTIONS

Original Issue Date: **4/96**

Model: **150 (oversized alternator)/180ROZJ (John Deere 6081 Engine)**

Market: **Industrial**

Subject: **Sound Shield Enclosure Kits PA-336909, 336909, PA-336910, 336910**

Sound shield enclosure provides sound dampening when operating the generator set.

The sound shield enclosure is preassembled at the factory and some final assembly is required at the time of installation. See Figure 1 for sound shield enclosure overall dimensions.



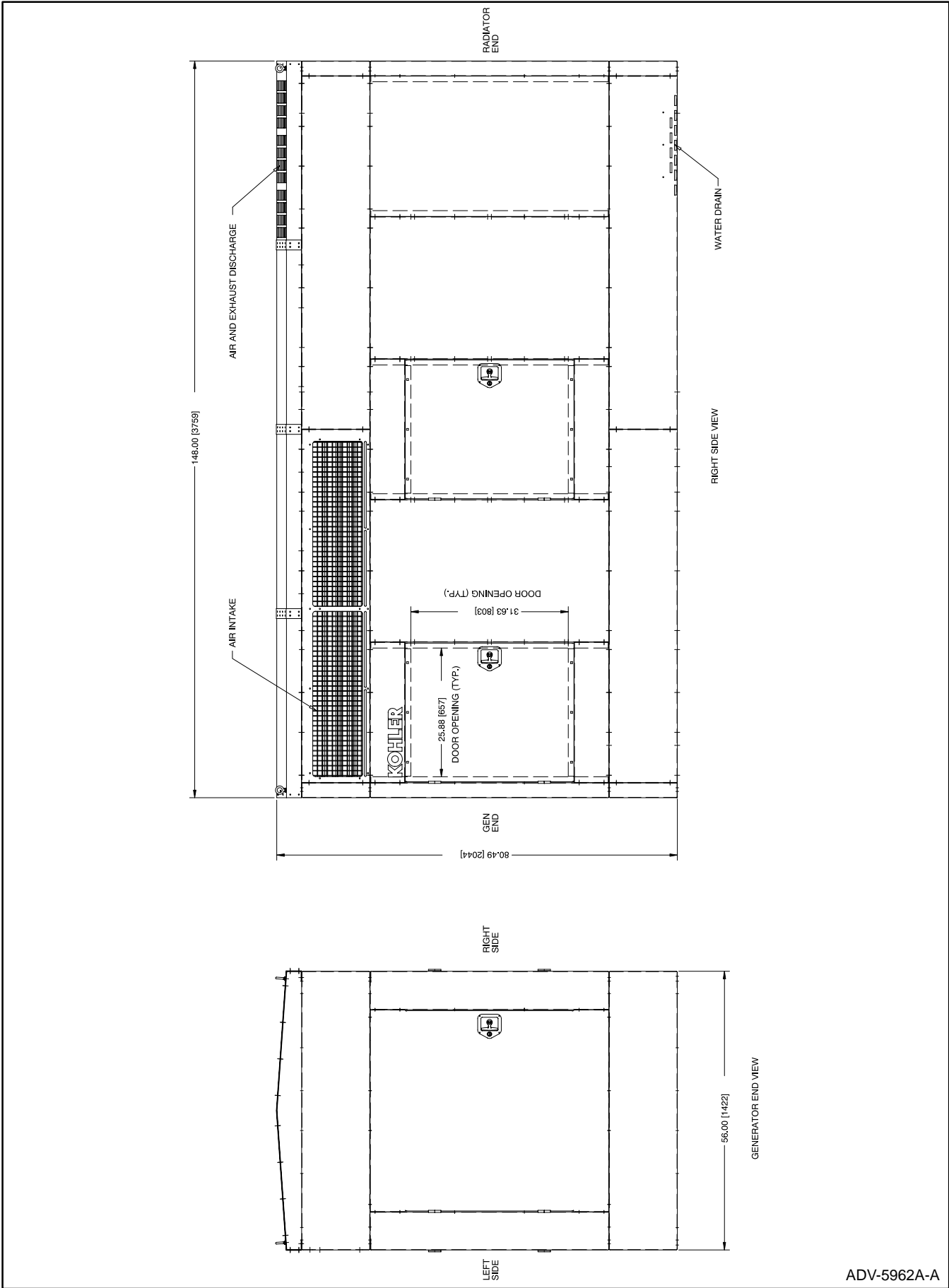
**Accidental starting.
Can cause severe injury or death.**

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.

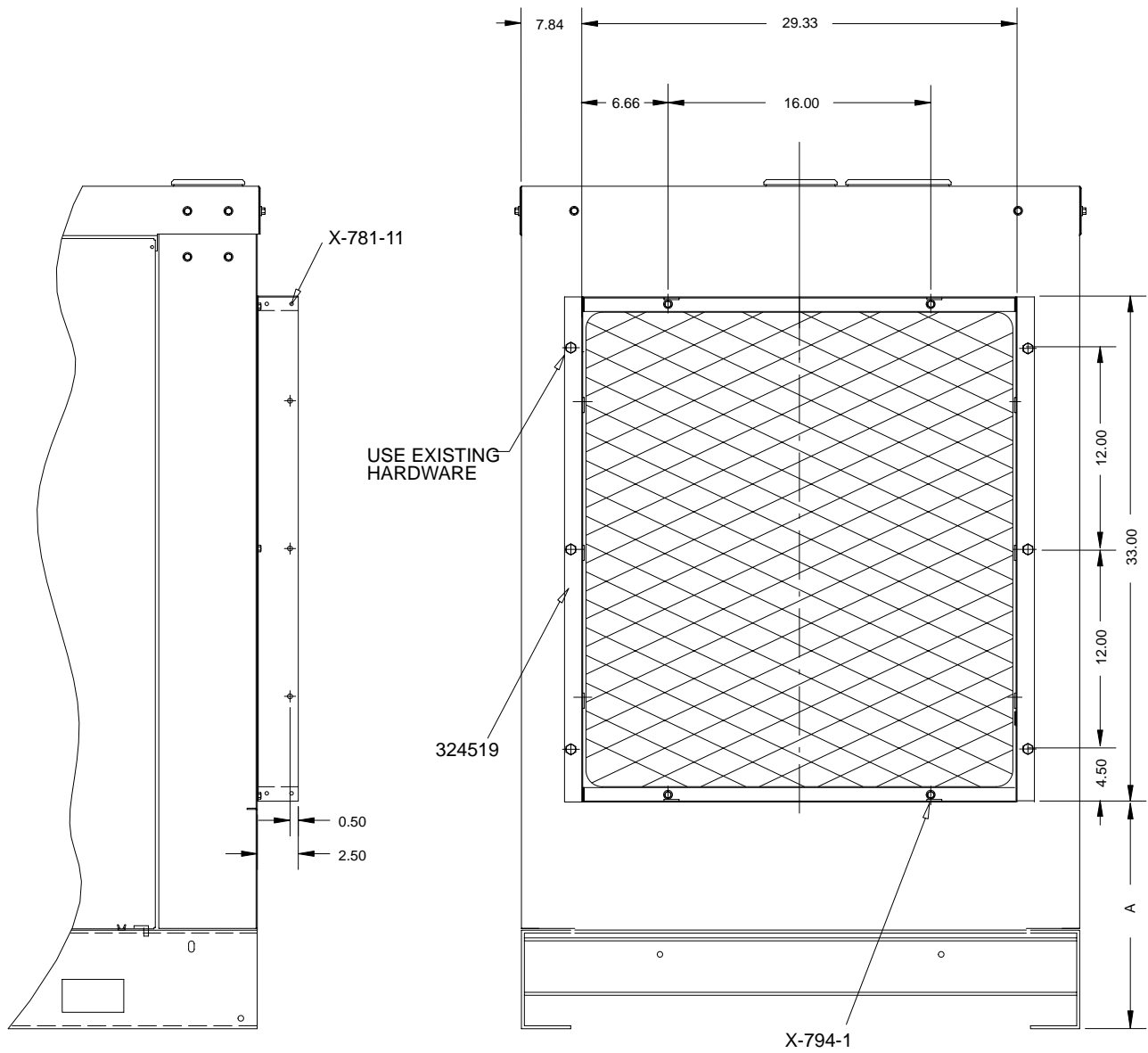
Installation

1. Place the generator set master switch in the OFF position.
2. Disconnect the generator set engine starting battery, negative (-) lead first.
3. Mark sound shield enclosure access so they can be installed in their original locations. Doors and openings are factory-aligned for fit and appearance.
4. Remove sound shield enclosure access doors.
5. Remove screws that attach the sound shield enclosure to the shipping pallet.
6. Remove drill screws attaching radiator duct flange, if installed to radiator shroud. See Figure 2. Do not remove bolts attaching radiator duct flange to the sound shield enclosure.
7. Remove any shipped-loose components, packing material, and literature from inside the sound shield enclosure. 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

NOTE

The exhaust system may be partially preassembled on some sound shield enclosures.

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

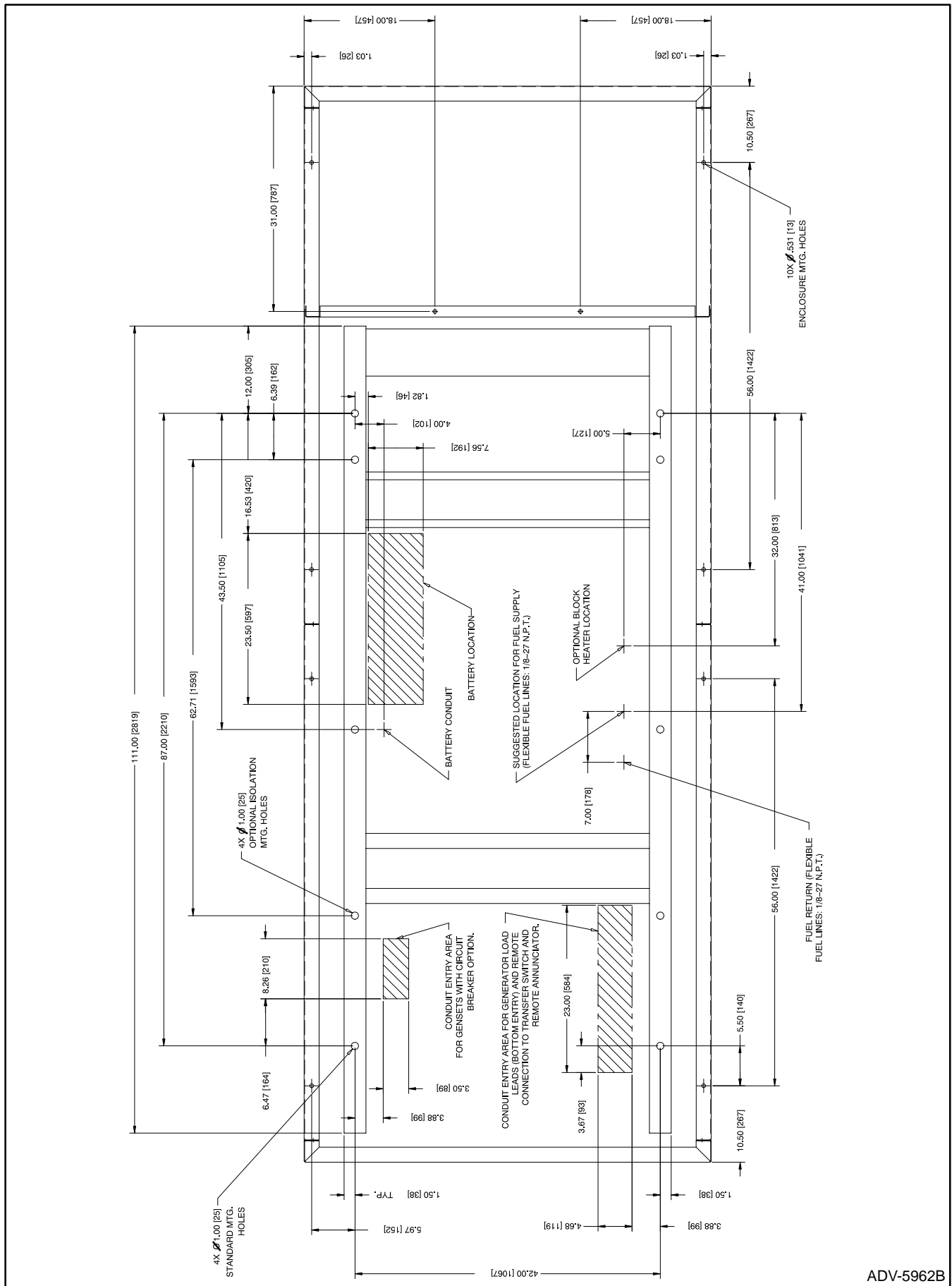
Hoist the entire sound shield enclosure, including the silencer using hoist at each eye bolt on top of the sound shield enclosure. Lift slowly to prevent damage to generator set and/or sound shield enclosure. The sound shield enclosure may require balancing to achieve vertical removal because the silencer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

9. Consult generator set spec sheet for generator set weights. Use lifting equipment capable of handling the weight to lift generator set and place it on the mounting base. Mount generator set to mounting base as required. Remove lifting equipment from generator set.
10. Raise sound shield enclosure and place over generator set. Observe each corner for adequate clearance while carefully lowering sound shield enclosure. Check that exhaust system is correctly aligned if sound shield enclosure has preassembled exhaust piping. Remove hoist equipment from sound shield enclosure.
11. 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.
12. Secure sound shield enclosure to mounting base. See Figure 3 for hole locations.

13. 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 yet tighten exhaust clamps. See Figure 4.

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

14. Install fiberglass exhaust wrap (19000 09400) over exhaust piping starting at exhaust manifold. Overlap exhaust wrap about 1/3 to 1/2 of the material width. Use hose clamp (X-426-5) to secure the beginning of the exhaust wrap. 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).
15. 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.).
16. Install all sound shield enclosure access doors in their original locations. If required, readjust doors for fit and appearance.
17. Check that all hardware has been tightened.
18. With generator set master switch in the OFF position, reconnect engine starting battery, negative (-) lead last.



ADV-5962B

Figure 3. Sound Shield Enclosure\Generator Floor Mounting Plan

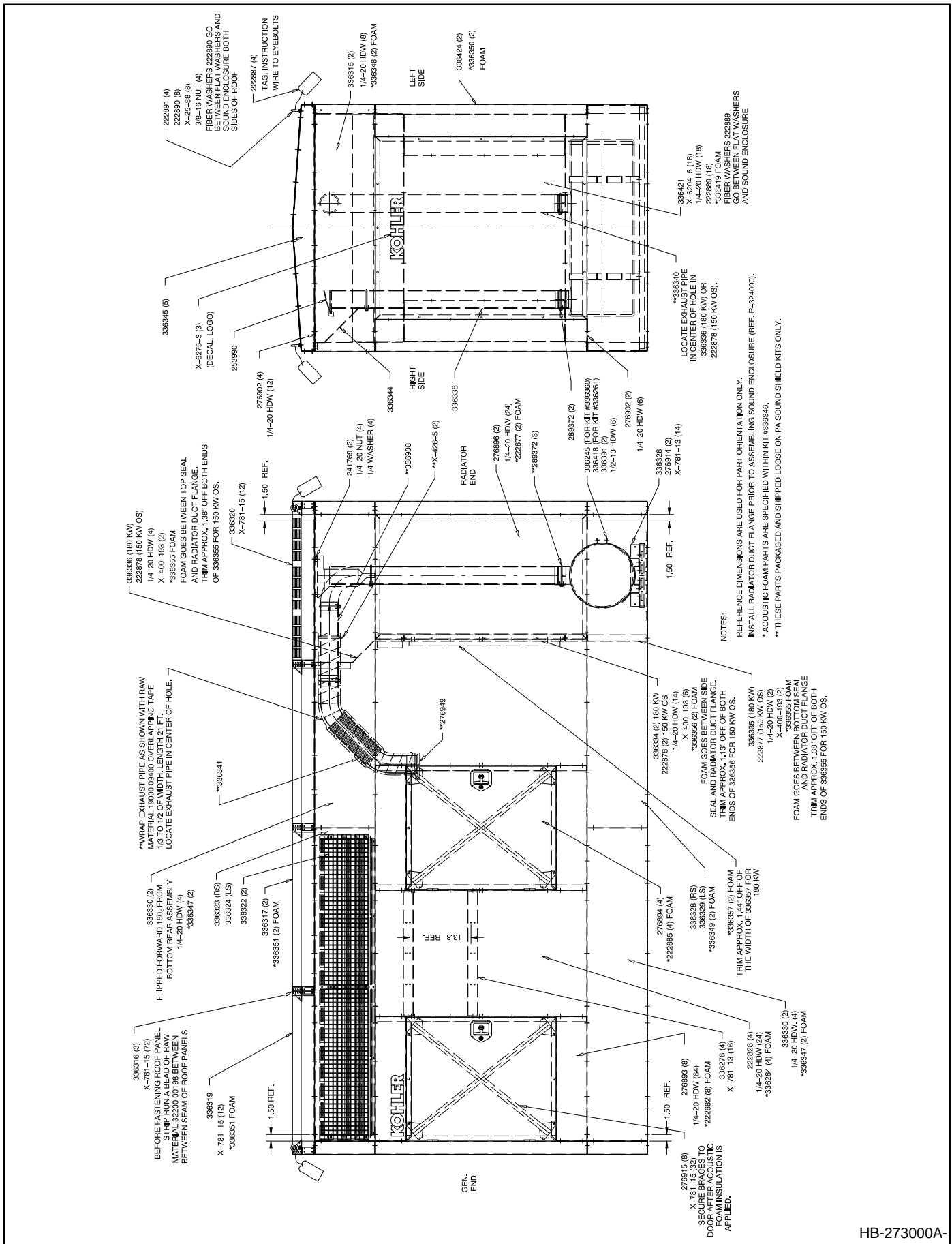


Figure 4. Sound Shield Assembly

Sound Shield Kits

| Parts List | | | | |
|--|---|--------------|---------------------|---------------------|
| Kits: PA-336909, 336909, PA-336910, 336910 | | | Unique Parts | |
| Qty. | Description | Common Parts | PA-336909 336909 | PA-336910 336910 |
| 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 | | |
| 18 | Nut, retainer | X-6204-5 | | |
| 3 | Logo, Kohler | X-6275-3 | | |
| 8 | Rivet, pop 1/8 in. aluminum/steel | X-781-11 | | |
| 30 | Rivet, pop 1/8 in. stainless | X-781-13 | | |
| 222 | Rivet, pop 3/8 in. aluminum/ stainless | X-781-15 | | |
| 4 | Screw, drill hex | X-794-1 | | |
| 34 | Tape, foam, seal (ft.) | 19000 08100 | | |
| 21 | Insulation, fiberglass (ft.) | 19000 09400 | | |
| 53 | Taper, foam PVC seal (ft.) | 19010 08118 | | |
| 4 | Support, side door | 222828 | | |
| 4 | Tag, instruction | 222887 | | |
| 2 | Seal, side | | 222876 | 336334 |
| 1 | Seal, bottom | | 222877 | 336335 |
| 1 | Seal, top | | 222878 | 336336 |
| 18 | Washer, fiber | 222889 | | |
| 8 | Washer, fiber | 222890 | | |
| 4 | Bolt, eye | 222891 | | |
| 2 | Mount, controller | 241769 | | |
| 1 | Cap, rain | 253990 | | |
| | Support, door | | (12) 276893 | (8) 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 |
| 2 | Frame, air duct | | 326213 | 324519 |
| 1 | Muffler, exhaust | | 336245 | 336418 |
| 2 | Support, screen | 336257 | | |
| 6 | Louver, air intake | 336258 | | |
| 4 | Bracket, battery charger | 336276 | | |
| 4 | Channel, end | 336315 | | |
| 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 | | |
| 2 | Support, baffle | 336327 | | |
| 1 | Channel, drain | 336328 | | |
| 1 | Channel, drain | 336329 | | |
| 1 | Channel, solid | 336330 | | |

| Parts List (continued) | | | | |
|--|---------------------|--------------|---------------------|---------------------|
| Kits: PA-336909, 336909, PA-336910, 336910 | | | Unique Parts | |
| Qty. | Description | Common Parts | PA-336909 336909 | PA-336910 336910 |
| 2 | Louver, air intake | 336331 | | |
| 2 | Strap, foam wedge | 336337 | | |
| 2 | Pipe, exhaust | 336338 | | |
| 1 | Pipe, exhaust | 336340 | | |
| 1 | Pipe, flex exhaust | 336341 | | |
| 1 | Support, foam wedge | 336342 | | |
| | Strap, foam wedge | | (2) 336343 | (1) 336343 |
| 1 | Support, exhaust | 336344 | | |
| 5 | Support, roof | 336345 | | |
| 1 | Foam, acoustical | 336346 | | |
| 2 | Clamp, muffler | 336391 | | |
| 1 | Door, front | 336421 | | |
| 2 | Brace, door | 336422 | | |
| 1 | Door | 336423 | | |
| 4 | Support, corner | 336424 | | |
| 1 | Pipe, exhaust | 336908 | | |