

Silencer Mounting Kits For 80ROZ & 100ROZ (6BTG2 Cummins-Powered Standby Generator Set)

Silencer Mounting Kits	
Critical PA-253617	Industrial PA-253617

The Silencer Mounting Kits are intended for installation on a housed generator set. Silencer Mounting Kits do not include silencers. Refer to the installation instructions and follow all safety precautions when assembling. See Figure 1 and Parts Listing for identification and location of parts.

 **CAUTION**



Hot parts can cause personal injury.

Do not touch hot engine parts. An engine gets hot while running and exhaust system components get extremely hot.

 **WARNING**



Carbon monoxide can cause death, severe nausea or fainting. Never operate the generator set inside a building unless the exhaust gas is piped safely outside. Never operate in any area where exhaust gas could accumulate and seep back inside an occupied building. Avoid breathing exhaust fumes when working on or near the generator set. Carbon monoxide is particularly dangerous in that it is an odorless, colorless, tasteless, nonirritating gas. Be aware that it can cause death if inhaled for even a short period of time. The exhaust system must be leakproof and routinely inspected.



WARNING **Accidental starting can cause death or serious personal injury.** 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.

Installation

1. Place controller master switch to OFF position. Disconnect battery of generator set, negative lead first.
2. Remove housing doors to expose generator set.
3. Install exhaust adapter (253618) into silencer inlet about one inch (25 mm).
4. Align exhaust pipe (253454) over engine exhaust manifold, secure with clamp (286283). Align silencer inlet end over exhaust pipe, do not secure.
5. Place silencer bracket (253310) underneath silencer and position it approximately 12 inches (305 mm) from end of silencer outlet, see Figure 1.
6. Using silencer bracket as a template, drill two 0.281 inch (7.14 mm) diameter holes in housing roof. Locate holes at each end of silencer bracket. Remove bracket.
7. Install rubber mounts (259632) to housing roof with two lock washers (X-20-1) and two hex. nuts (X-81-1).

8. Mount silencer bracket to rubber mounts with two screws (X-465-17) and two lock washers (X-20-1).
9. Install silencer onto exhaust pipe. Position silencer over silencer bracket and adjust so that silencer is parallel to housing roof edge.
10. Install one clamp (289372) on adapter and one clamp (286283) on silencer inlet.
11. Thread hex. nuts on angle bolts about one inch (25 mm). Place silencer strap (290865) over silencer and attach angle bolts (253307). With angle bolts through silencer bracket, install and tighten lock nuts (X-101-8). Tighten hex. nuts (X-81-1) on angle bolts against silencer bracket.

12. Check that controller master switch is in the OFF position. Reconnect battery, negative lead last. Replace doors.

Parts Listing

Qty	Description	Part Numbers
4	Washer, 1/4 " Lock	X-20-1
4	Nut, 1/4-20 Hex.	X-81-1
2	Nut, 1/4-20 Lock	X-101-8
2	Screw, 1/4-20 x 3/8"	X-465-17
2	Angle Bolt	253307
1	Bracket, Silencer	253310
1	Exhaust Pipe	253454
1	Adapter, Exhaust	253618
2	Mount, Rubber	259632
2	Clamp	286283
1	Clamp	289372
1	Strap, Silencer	290865

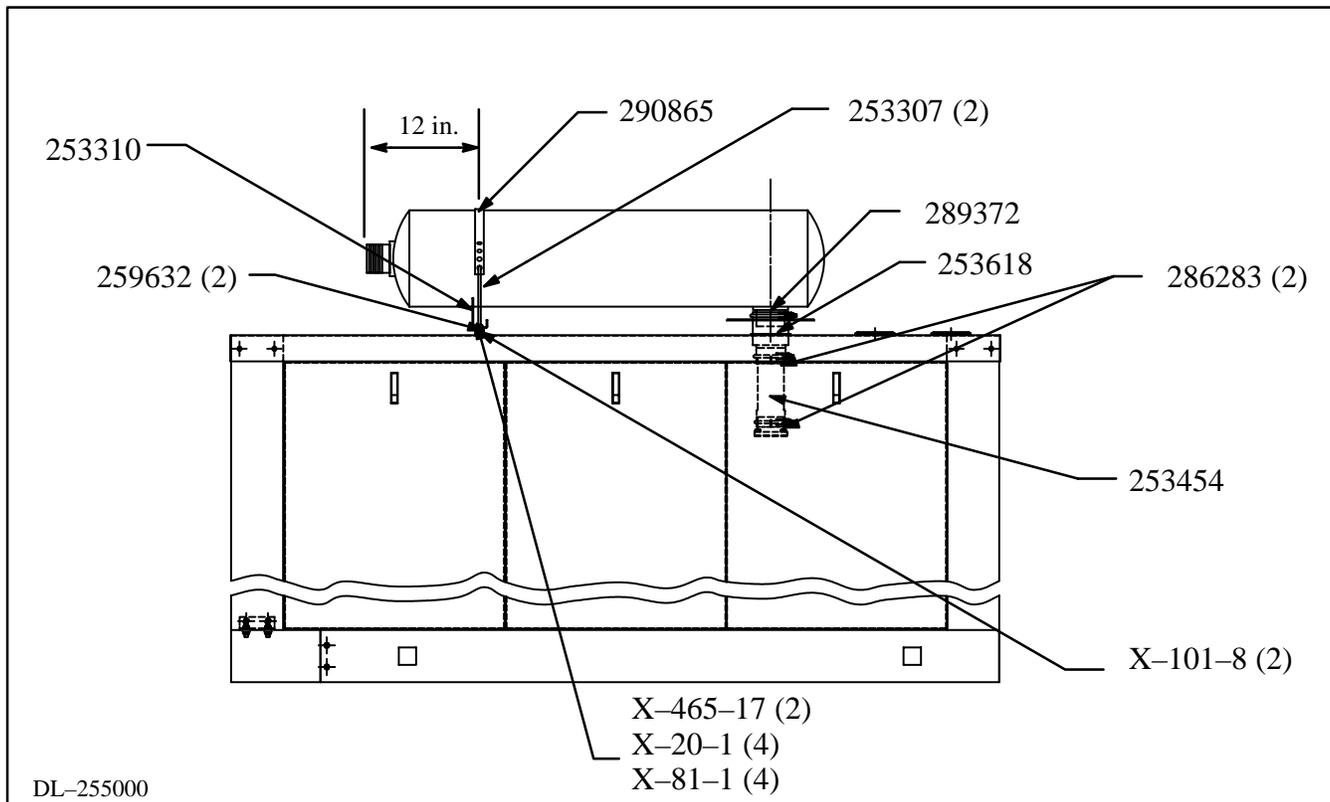


Figure 1. Silencer Mounting