

**Emission Kits (B.A.C.T.) PA-276783 (20-40ROZJ)
& PA-276784 (50-100ROZJ)**

This instruction tells how to prepare the generator set for emission kit installation. Actual installation instructions come with the kit from the manufacturer. Follow manufacturer's installation instructions. Observe all safety precautions during kit installation.

NOTE

Installing kit PA-276783 (20-40ROZJ) will affect other kits. See Figure 1 for a list of affected kits.



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 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 coolant can cause severe injury or death. Allow engine to cool and release pressure from cooling system before opening pressure cap. To release pressure, cover the pressure cap with a thick cloth then turn it slowly counterclockwise to the first stop. After pressure has been completely released and the engine has cooled, remove cap. If generator set is equipped with a coolant recovery tank, check coolant level at tank.

WARNING



**Hot engine and exhaust system.
Can cause severe injury or death.**

Do not work on generator set until unit is allowed to cool.

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.

BEFORE KIT INSTALLATION

Use the steps below to prepare the generator set for emission kit installation. Refer to the kit manufacturer's literature for descriptions of components and kit installation instructions.

NOTE

HARDWARE DAMAGE! Engine and generator may make use of both American Standard and metric hardware. Be sure to use the correct size tools to prevent rounding of bolt heads and nuts.

1. Turn the generator set off by placing the controller Master Switch in the OFF position.
2. Disconnect battery, negative lead first.
3. Disconnect power to battery charger, if applicable.
4. Disconnect power to block heater, if applicable.
5. Drain cooling system to below the level of the cylinder head.
6. Remove generator set housing roof, if applicable.
7. Disconnect exhaust system in order to provide free access to the top of the engine. Refer to engine parts and service literature for disassembly.

NOTE

Do not damage fuel injection lines by prying, bending or crushing them. Fuel leaks may occur.

8. Install emission kit according to manufacturer's instructions.

AFTER KIT INSTALLATION

Use the steps below to prepare the generator set for service after emission kit installation.

1. Reconnect exhaust system. Refer to engine parts and service literature for assembly.
2. Re-install generator set housing roof, if applicable.
3. Refill cooling system.

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 all air cavities takes place.

4. Reconnect battery, positive lead first.
5. Reconnect power to battery charger, if applicable.
6. Test run generator set according to operation and service literature.
7. Reconnect power to block heater, if applicable.

Standard Kit		Substitute Kit
Silencer Mtg., Industrial	273601	273603
Silencer Mtg., Critical	273602	273604
Kit, Tail Pipe w/Ind.	273919	*
Kit, Tail Pipe w/Crit.	273920	*
Kit, Intake Restriction	274608	*
Kit, Weather Housing	254479	254480
Kit, Heavy Duty Air Clnr.	274720	274727
Kit, Insulator Blanket	275477	275483

Figure 1. Kits affected by PA-276783.

* No new kit number, but part positions will change slightly after emission kit installation.