
INSTALLATION INSTRUCTIONS

Heavy-Duty Air Cleaner Kits PA-279732 and PA-279732-SD 400 kW Models (Detroit Diesel Engine 8V-92TTA)

The heavy-duty air cleaner kit provides extended protection beyond the standard air cleaner. It is well suited for dusty/dirty environments. For determining the proper replacement cycle, the optional air cleaner restriction indicator is recommended.

NOTE

The heavy-duty air cleaners will require a minimum of 27 in. (686 mm) of clearance beyond the air cleaner assembly in order to service the air cleaner elements.



Accidental starting.

Can cause severe injury or death.

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

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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 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.

NOTE

Observe all applicable national, state and local electrical codes during installation.

Installation

1. Move generator master switch to OFF position. Disconnect battery of generator set, negative lead first.
2. Remove existing engine air cleaner, mounting bracket, and piping, as applicable.
3. Install mounting plate (279747) from kit, using existing hardware on engine as appropriate. See Figure 1.
4. Assemble four air cleaner brackets (291666), two 90 degree elbows (272627), two tube assemblies (279754), and four clamps (254013) to air cleaner housings. Leave clamps loose at this time.
5. Position two air cleaner assemblies A-279713 on mounting plate and slip tube assemblies over turbocharger inlets.
6. Install air cleaner brackets (291666) to mounting plate using existing hardware. Do not final tighten air cleaner brackets at this time.
7. Install two rain caps (272674) on air cleaner inlets and tighten hose clamps.
8. After aligning air cleaner assemblies, final tighten air cleaner brackets (291666). Air cleaner assembly inlet should be vertically aligned. Final tighten remaining hose clamps.
9. Check to make sure the generator master switch is in the OFF position. Reconnect the generator set battery, negative lead last.

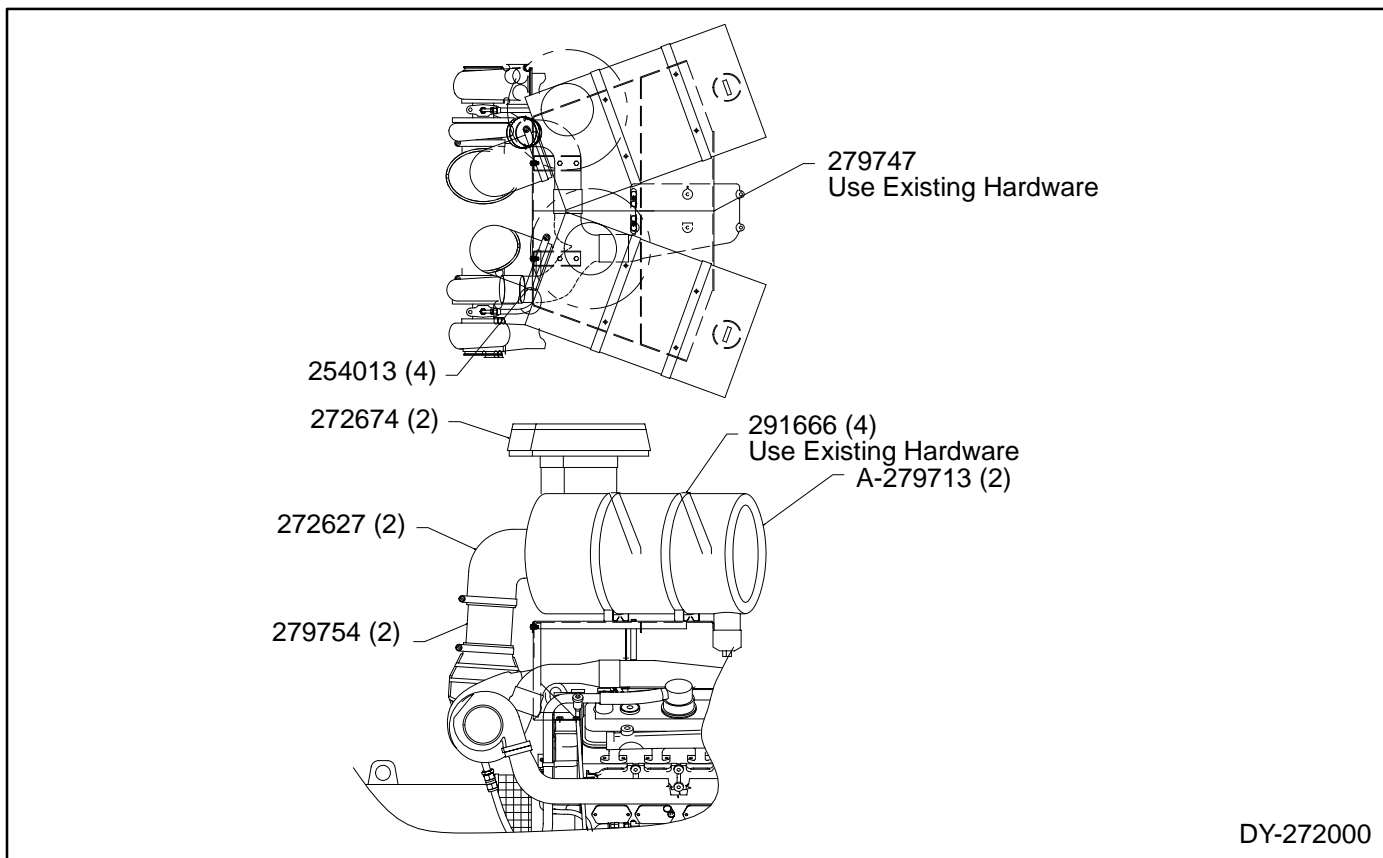


Figure 1. Heavy-Duty Air Cleaner Kit Installation.

Parts List		
Qty.	Description	Part No.
1	Plate, mounting	279747
2	Air cleaner assy	A-279713
2	Element, primary	279736
2	Element, secondary	279737
4	Bracket, air cleaner	291666
2	Elbow, 90 deg.	272627
2	Tube assembly	279754
2	Pipe	X-217-14
2	Tube, steel	X-522-59
4	Clamp	254013
2	Cap, rain	272674