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ADVANCED DYNAMO GENERATOR INSTALLATION INSTRUCTIONS



TOOLS NEEDED:

- Hydraulic Floor Jack w/ Transmission Mounting Plate or a low 1,000 lbs Transmission Jack
- Engine Hoist
- Large Mud Flap (to protect rear of AC Alternator)
- Hand Tools (For Removing Fasteners) - 9/16" Wrench
- Cutting Torch or Plasma Cutter – For Sheet Metal Removal
- Hand Grinder – For Smoothing Sheet Metal Edges
- Black Automotive Spray Paint
- Sound Attenuation Material for Compartment



**ONLY
REQUIRED
WHEN
REPLACING
AN OLD CG-13
GENERATOR**

STEP 1 : Removal of generator from shipping crate and Installation preparation.

NOTE: Save the crate for return to Advanced Dynamo for credit.

A. Using a power screw gun, remove the wood screws holding the top and sides of the shipping crate in place; set aside.

B. Remove the two wood lag bolts holding the metal shipping strips that are holding the bottom of the generator to the 2x6's on the base of the shipping crate.



C. Secure the generator to an engine hoist. Once the generator is safely suspended from the engine hoist, lift it off of the wooden shipping crate base. Remove the crate base and unbolt the metal shipping strips from the bottom of the generator by removing the two 1" x 3/8-16 UNC bolts with a 9/16" wrench.



D. Secure the Transmission Jack Mounting Plate Adapter to a floor jack.



E. Gently lower the generator onto the Transmission Jack Mounting Plate, aligning the four bolt mounting holes. Secure with four 1" x 3/8-16 UNC Hex Head Bolts using a 9/16" wrench.



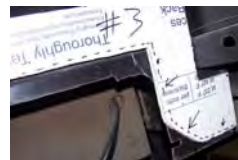
F. With the four 1/4" plywood templates, mark the generator compartment sheet metal walls for metal removal.



Template #1



Template #2



Template #3a



Template #3b

G. Using a torch or plasma cutter remove the necessary sheet metal. Smooth edges with a grinder and paint all exposed metal surfaces with black paint.



H. With the sound abatement material, line all areas of the generator compartment walls.



STEP 2 : Installation of the Generator

A. With the generator securely mounted to the Transmission Jack Plate / Floor Jack, position the generator under the compartment. Align and slowly raise the generator into position to the rear stud holes in the compartment. It may take a two man team to accomplish this positioning procedure.



B. Align the bolt holes in the compartment sheet metal to the bolt holes on the generator. Secure with the bolts, washers and lock nuts.



C. With the generator securely bolted into the compartment execute the following electrical and fuel line connections:

1. Connect the 120/240 VAC Power Lead in the adjoining compartment or to an under body junction box.



2. Connect the fuel and fuel return line as per separate instruction sheet.

3. Connect Exhaust / Catalytic Converter components to the Heat / Exhaust Riser Pipe System as per separate instruction sheet.

4. Connect the 12VDC (Battery) cables. Connect the positive to the insulated terminal, and the ground to the chassis frame.
5. Connect any remote starter wiring to the generator as necessary. The 416 takes a momentary positive 12 Volt signal to activate or disconnect the latching relay. The remote plug is provided for Winnebago's remote dash switch. NOTE: The positive latch lead is terminal "B" (RED)



6. Install a large mud flap on the rear lower floor of the cord compartment to protect the cooling of the AC Alternator.



INSTALLATION COMPLETE!

NOTE: *Break-In* non synthetic oil is provided with the engine. After the first 50 hours of operation, change the filter and the oil to Mobile One full synthetic 10W-30 oil (15w-40 for diesels) as specified in the maintenance instructions.

Attachments:

ADyl Fuel Return Line Installation Instructions

ADyl Heat Riser Pipe Installation Manual