



**Carter Machinery**  
**EMCP RETROFIT PROGRAM**  
**CUSTOM DOOR-BOX KITS**

**FEB. 2019**

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# Site Survey

## CAT Control Panel Retrofit Site Survey

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Location	
Customer Name:	Site Name:
Address:	City:
State:	Zip Code:
Main Contact:	Telephone No.:
A/E Contact:	Telephone No.:
Product Information	
Package Serial No.:	Generator Model:
Engine Serial No.:	Kilowatts:
Engine Model:	KVA:
Installation Type:	Voltage:
Voltage Regulator Type:	Amps:
Controls Info:	
Control Panel Installed:	CIM Module Installed:
Control Panel Model:	CCM Module Installed:
CP Box Measurements W x H:	Local Ann. Installed:
CP Door Measure W x H:	Rem. Ann. Installed:
Customer BAS Requirements:	Remote Ann. Qty:
Fuel Level Sensor Type:	Rem. E-Stop Installed:
SWGR/ATS Information	
Switchgear Manufacturer:	ATS Manufacturer:
SWGR Closed/Open Transition:	ATS Controller Type:
Does CP Communicate w/SWGR:	ATS Qty:
***Take pictures of control panel inside/outside, genset and any accessory modules.***	
Comments & Recommendations	
Customer Acceptance	
<i>Start-up and commissioning is complete within factory standards.</i>	
Customer Rep. Signature: _____	Date: _____
Technician Signature: _____	Date: _____

Technicians/PSSR's complete site survey to determine which kit and what accessories are needed to meet each customer's specific application.

Quotes and Budgets are produced based off of this information.

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# Carter-EMCP4 CUSTOM KITS

- EMCP 4 Custom kits are meant to provide a retrofit that is custom designed for a specific application ranging from remote boxes to replacement door panels
- All kits for specific applications are custom priced and must be quoted before an order can be started; Lead times vary accordingly



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# Carter-EMCP4 PLATE KITS

- EMCP 4 Series plate kits are made for existing doors and are essentially limitless in sizing and provide a custom solution to replacing existing generator controls. Stainless, Powder Coat, Aluminum.
- Standard kit contents:
  - EMCP 4.2b/EMCP 4.3, 4.4 local annunciator, emergency shutoff switch, lights, voltage potentiometer, speed potentiometer, CDVR switch, CAN plugs, RJ45 Ethernet port (4.3/4.4), and all loose parts to complete installation



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# Carter-EMCP4 POWER MODULE DOOR KIT

- The Power Module Door Kit is designed to replace EMCP II controls that were used in older CAT Power Modules. Doors can be customized to add analog meters, etc... per customers request.
- Standard kit contents:
  - EMCP 4.2b/EMCP 4.3, local annunciator, emergency shutoff switch, lights, voltage potentiometer, speed potentiometer, CDVR switch, CAN plugs, RJ45 Ethernet port (4.3), and all loose parts to complete installation.



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# Carter-EMCP 4.3/4.4 CUSTOM BOX KITS

- EMCP 4.3/4.4 Custom Box Kits are a remote panel replacement useful when more equipment storage is needed or controls are not located on the existing generator
- Standard kit contents:
  - EMCP 4.3, local annunciator, emergency shutoff switch, lights, voltage potentiometer, speed potentiometer, CDVR switch, RJ45 Ethernet port, CAN plugs fully wired to terminal blocks and fuse holders inside box, and loose parts to complete installation



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# Carter-EMCP 4.2B CUSTOM BOX KITS

- EMCP 4.2B Hoffman kits are a remote panel replacement useful when more equipment storage is needed or controls are not located on the existing generator
- Standard kit contents:
  - EMCP 4.2b, local annunciator, emergency shutoff switch, lights, voltage potentiometer, speed potentiometer, CDVR switch, CAN plugs fully wired to terminal blocks and fuse holders inside box, and loose parts required to complete installation



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# Carter-EMCP 4 MEDIUM VOLTAGE APPLICATIONS

- EMCP 4 Series medium voltage box doors replace the existing 42 or 48 inch doors commonly found on medium voltage generators with various hinge types.
- Standard kit contents:
  - EMCP 4.2b/EMCP 4.3, local annunciator, emergency shutoff switch, lights, voltage potentiometer, speed potentiometer, CDVR switch, CAN plugs, RJ45 Ethernet port (4.3), and all loose parts to complete installation
- Due to variation of sizes and hinge types, pictures and a site survey are imperative to proper product selection.



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# Carter-WOODWARD EASYGEN APPLICATIONS

- Woodward EasyGen Kits are available for switchgear or standalone applications where an EMCP 4.4 is not a suitable replacement for existing controls.
  - EasyGen platform is suitable for more customized installations and is less limited regarding constrictions on an EMCP 4.4.



# Questions?

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