

# 12V Operational Test - Firefly

Check	Note
Lights	Master on/off, Dimmers should dim, tap on/off individual lights
Climate Control (Cool)	Tap Cool w/ fan set to Auto. Set temp >5°. Verify High cool. Verify blower and condenser fan operate. Set Temp <3°. Verify Low cool. Verify Low Medium High fan speeds. <i>Special: 12V a/c with Generator. Verify CHARGE SHUT OFF. Verify 55amp converter operation.</i>
Climate Control (Heat)	Use on-screen Truma controls. Do not use Truma Control panel. Plug in shore power. Tap Air Heat. Set temp >5°. Verify heating in each Energy Mode: GAS, MIX, EL. Turn off Air Heat. Turn on Water Heater. Verify hot water.
Auto Gen Start (AGS)	Remove shore power. Enable AGS. Select HVAC Load trigger. Operate air conditioner and verify Gen Start. Disable AGS. Verify Gen Start/Stop. Plug in shore power. Verify "SHORE OVERRIDE"
Inverter Control	Verify Enable/Disable. Verify Sleep/wake.
Awning Control	Tap extend and immediately start the vehicle. Awning should stop extending, touch screen should show "awning locked out by ignition". Stop the engine. Verify extend/retract. Verify wind sensor auto-retract.
Manufacturing Options	Verify floorplan and options match the production order. 'Transfer Switch' should never be checked.
Water Pump	Verify water pump operation
Tank readings	Verify tank readings
Battery voltage	Verify House and Chassis battery voltages
Remote Module	Connect smart device with Eclipse app using Bluetooth
GUI/LC	Verify GUI/LC match
Error/Fault Messages	Verify no Error or Fault messages

Checked by: \_\_\_\_\_ Date: \_\_\_\_\_

## 12V Operational Test - Coachmen

Check	Note
<b>Solar</b>	Verify solar charging. Verify Solar On/Off switch.
<b>Macerator</b>	Verify Macerator operation
<b>WifiRanger</b>	Verify on/off. Connect to WiFi network with smart device.
<b>Vent Fan</b>	Verify vent fan operation with remote.
<b>TV</b>	Verify TV on/off. Verify TV booster on/off. Channel Scan. Verify TV Sound settings.
<b>Stereo/DVD</b>	Verify speakers. Verify DVD player with TV. Verify AM/FM. Verify Bluetooth.
<b>Power Furniture</b>	Verify operation of power sofa or bed.
<b>Water pump</b>	Verify water pump operation at rear switch
<b>Refrigerator</b>	Verify refrigerator cooling
<b>Charge ports</b>	Verify power at charge ports.
<b>Boost switch</b>	With shore power, Press and hold boost switch while watching House and Chassis battery voltage, Voltages should become roughly equal. Release the boost switch, House voltage should increase, Chassis voltage should decrease.
<b>Motion Light / Ground effects</b>	Verify light operation
<b>LP Tank solenoid</b>	Turn ON LP switch at remote fill station while the inside LP switch is also ON. Verify LP tank solenoid clunk.
<b>Tank heaters</b>	Need process to verify

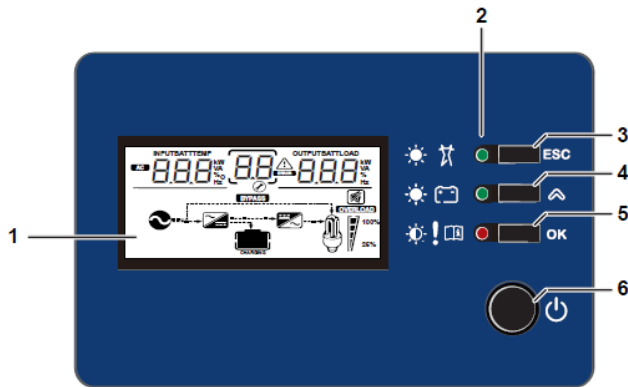
Checked by: \_\_\_\_\_ Date: \_\_\_\_\_

## 120V Operational Test - Coachmen

Check	Note
<b>Circuit receptacles</b>	Check for reverse polarity, open ground/neutral/power. Label GFI protected receipts.
<b>Truma EL</b>	Operate the Truma on Energy Mode EL with Xantrex inverter Enabled, no shore power. Verify heating and power
<b>Xantrex AC Output</b>	Operate the Truma on Energy Mode EL with Xantrex inverter Enabled, no shore power. Verify heating and power
<b>Microwave</b>	Verify microwave operation
<b>Cooktop</b>	Verify cooktop operation
<b>Generator</b>	Start Gen, verify coach power. Check any receipt for reverse polarity, open ground, open neutral.
<b>Circuit breakers label/size</b>	Verify Cooktop and Truma are on 20A circuits by flipping labeled breakers OFF. Verify Microwave and general receipts are on 15A circuits by flipping labeled breakers OFF.
<b>Special: Auxiliary 55amp converter</b>	On Generator coaches with 12V Air conditioner, verify 55amp converter operation. Plug in shore power or start the generator, Set the Air conditioner to Cool. Check 55amp converter cooling fans are running.

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# Xantrex XC Pro settings



1	LCD screen
2	Status LED indicators
3	<b>ESC</b> see "Function Buttons" on the facing page
4	see "Function Buttons" on the facing page
5	<b>OK</b> see "Function Buttons" on the facing page
6	see "Function Buttons" on the facing page

Setting#	Pro 3000(Li3)	Pro 2000(Gen)
01	OFF	OFF
02	11.6	10.5
03	10	300
04	13.1	13.1
05	25	25
06	d15	d15
07	60	60
08	120	120
09	3.0	2.0
10	300	300
11	APL	APL
12	90	90
13	NAt	NAt
14	bON	bON
20	LFP	AGM
21	-	CId
24	150	80(locked)
26	OFF	OFF
28	30	30

Check	Note
<b>Firmware</b>	Check for the correct firmware version. Press the '^' button on the remote repeatedly. Verify U1, U2, U3 match the below. 2000W: U1-02-87, U2-00-71, U3-01-06 3000W: U1-03-16, U2-00-71, U3-01-06
<b>Settings</b>	Press and hold the 'OK' button until the settings page appears. Press the '^' button to toggle through each setting. Verify settings 1-28 match the settings in the table above.
<b>LOCKED 2000w Charge Rate (setting #24)</b>	Verify setting #24 is locked at 80A and unchangeable on XC PRO 2000W only.
<b>Integration</b>	Verify integration by enable/disable and sleep/wake through Firefly touch screen.

Checked by: \_\_\_\_\_ Date: \_\_\_\_\_