



COMMODORE WATER COOLED GENERATOR BASIC OPERATION GUIDE

Thank you for your purchase of a Commodore water-cooled diesel generator. This basic guide will help you to get the generator ready for automatic and manual starting.

Note on Coolant and Oil types

Coolant: Please ensure the coolant used for the water cooled generator range is the **Green** Ethylene Glycol type, diluted with demineralised water to a 50:50 mix (half & half).

Engine Oil: Use only high quality 'Diesel Engine Oil' and refer to the engine manual included with your generator for the appropriate oil specification.

Generally 15W-40 is suited for ambient temperatures above minus 5 degrees Celsius, and 10W-30 for ambient temperatures below minus 5 degrees Celsius.

CH-4 is the current oil category, CI-4, CJ-4, CK-4 may be used.

**Make sure the correct amount of coolant and engine oil are added before proceeding.
Electrical connections to be completed by qualified persons only.**

Generator Overview

Front View



Connection Bay

Service Access Doors

Side View



Control Panel

Control Panel
Power Key Switch

Emergency Stop



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How to start the Generator

Step 1

Open the front service access doors and locate the battery isolator.
Pull the battery isolator lever down to the ON position as shown below:



Battery Isolator - OFF position



Battery Isolator - ON position

Step 2

Open the Connection Bay door and switch the main circuit breaker OFF for the initial start up.



Connection Bay

Step 3

If the Emergency Stop button is pressed in, rotate the Emergency Stop button clockwise and allow it to spring outward to the normal position.



Emergency Stop button



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Step 4

Open the access door for the Control Panel on the side of the generator, and turn the Power Key Switch to the ON position. This will power on the Control Panel:

Power Key Switch



Control Panel powered ON



Step 5

To manually start the generator, press the 'Start' button on the Control Panel.

The generator will first run through a short warm-up cycle at a lower speed, after which the engine will speed up to 1500RPM and the display will show as below:



Step 6

If the generator power wiring connections have been completed and checked, switch ON the main circuit breaker in the Connection Bay to provide power to your appliances or house switchboard. You can now use the generator power.

Connection Bay



To Stop the generator, simply press the Stop button on the Control Panel.



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Setting the Generator for Auto Start & Stop (2-Wire Start)

Auto Start Step 1

Before setting the generator to Auto Start:

- Ensure the generator power wiring connections have been completed and checked.
- Perform a test run using the Manual Start steps 5 & 6.
- Switch ON the main circuit breaker in the Connection Bay.

Auto Start Step 2

If the generator is running, Press Stop on the Control Panel.

Auto Start Step 3

Press Auto on the Control Panel. The generator is now ready for Auto Start.

Emergency Stop

To stop the generator in an Emergency:

- Press the RED Emergency Stop button on the side of the generator.
- Put the Battery Isolator (behind the front Service Access Doors) in the OFF position.



Emergency Stop



Battery Isolator - OFF position

For further information and spare parts, please call Commodore Australia on 1300 669 256

The manuals supplied with the generator contain important engine-specific servicing information.
Please retain these manuals for future reference and for service personnel.



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