



# YANMAR MARINE INTERNATIONAL GLOBAL MARKETING BULLETIN 169

To : All YANMAR Marine Distributors and Sales Representative Offices  
Date : March 9, 2021  
Subject : **Introduction of new 3G panel for YANMAR mechanically controlled powerboat engines**

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## 1. Introduction

YANMAR Marine International would like to inform its Global Sales Network about the introduction of the 3G panel and extension harnesses for mechanically controlled powerboat models **4LHA, 6LPA, 6LY2A and 6LY2M**. The 3G panel will be available for production of these engines immediately. They will replace the current New B/C/D panels, which will be phased out at the same time.

## 2. General Characteristics

Featuring a high-quality appearance with rectangular frames and a new tachometer, the 3G panel provides a better visibility and improved technology.

The 3G panel is available in three variations: B, C and D type.



B-panel



C-panel



D-panel

The analog engine data is converted to CAN data by an Analog to CAN converter mounted in the engine room, and then displayed on the CAN based tachometer and instruments.



Analog-CAN converter

### **Differences between engine models**

- The harness needed to connect to the Analog-CAN converter differ for each engine model, as the engine connectors are different.
- Also, as different sensor values are needed depending on engine model, the Analog-CAN converter should be ordered for each engine type specifically as they are pre-programmed for a specific engine type.

The 3G panel and harnesses mentioned in this bulletin are strictly available for YMI mechanically controlled engines. The 3G panel range is also available for the Commercial High-Speed (CHS) engine range, however the specifications differ from the YMI range.



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## **Loose mounting**

The panels are standard delivered inside a frame for easy mounting into the boat. However, each component can be separately mounted if required. Please see the Operation Manual and additional Installation Instructions to find out which additional parts are needed for this.

## **Retrofitting**

As the analog-CAN converter is connected to the existing engine harness (the engine harness connectors are not changed), it is mostly possible to retrofit the 3G panel on existing engine installations. There is one exception:

6LPA with 119775-77850 HARNESS, HEATER RELAY are NOT compatible with the 3G panel. Only engines with 119775-77851 HARNESS, HEATER RELAY are compatible with the 3G panel.

## **Additional station**

As the analog sensor signals are converted to a digital value, it is easy to add another station without having to change any sensor on the engine.

## **3. Main features**

- Enhanced with an upgraded look and feel by our in-house designer Ken Okuyama
- Improved water resistance and designed for use in all weather conditions (IPX6~7)
- Compacter in size making it easy to install in the helm station
- Warning lights incorporated in tachometer display
- Optional NMEA output available (by connecting an optional NMEA adapter cable to the Analog-CAN converter, see block diagram and additional Installation Instructions).





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## **4. Ordering, availability & pricing**

	4LHA	6LPA	6LY2A/M 12V	6LY2M-24V
3G B panel Assembly (1st station)	D64010-01040J	D64010-01030J	D64010-01070J	D64010-01080
3G C panel Assembly (1st station)	D64010-03100J	D64010-03090J	D64010-03120J	Not available
3G D panel Assembly (1st station)	D64010-05060J	D64010-05050J	D64010-05070J	D64010-05080
Panel Harness 3M	D64010-21210J			
Panel Harness 5M	D64010-21220J			
Panel Harness 10M	D64010-21230J			
Panel Harness 15M	D64010-21240J			
3G B panel Assembly (2nd station)	D64010-01700J			
3G C panel Assembly (2nd station)	D64010-03730J			
3G D panel Assembly (2nd station)	D64010-05710J			
Extension harness for 2nd station 3M	D64010-23010J			
Extension harness for 2nd station 5M	D64010-23020J			
Extension harness for 2nd station 10M	D64010-23030J			
Extension harness for 2nd station 20M	D64010-23040J			

The new 3G panels and extension harnesses for 1st and 2nd station, as listed in the above table, can be ordered as an option to the engine models via Go Easy and are supplied with the engine in the crate from our factory in Japan.

Apart from the panels and extension harnesses for 1st and 2nd station, the new 3G panels have several options that are presented in the attached installation instructions. These options can be purchased from the Regional Parts Departments by the Distributor Network directly.

Pricing can be found in Go Easy.

### **D-code contents**

3G B/C/D panel assembly (1<sup>st</sup> station) includes:

- B/C/D panel (whichever applicable)
- Analog-CAN converter
- Converter harness
- Terminal adapter
- Power relay (if applicable)
- Operation Manual

Panel harness 3/5/10/15M includes:

- Panel harness 3/5/10/15M (whichever applicable)

3G B/C/D panel assembly (2<sup>nd</sup> station) includes:

- B/C/D panel (whichever applicable)
- Additional station harness

Extension harness for 2nd station 3/5/10/20M includes:

- Extension harness for 2nd station 3/5/10/20M (whichever applicable)

## **5. Warranty**

Standard YANMAR limited warranty terms apply.



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## **6. Materials**

The following materials are available and can be downloaded via the link below:

- Dimensional drawings 3D
- Additional installation instructions
- Operation manual

## **7. Distribution and Questions**

For further questions or remarks please contact your designated Area Sales Manager.