

Circulate to: Sales Manager Accounting Service Manager Technician Parts Manager

PCM Update for QC4v Engines to Improve Overspeed Protection

Scope

Worldwide

Models Affected

Models Covered	Serial Number Or Year
HP1100	0M967121 and below
HP1350	0M967121 and below

Situation

All QC4v products (1100 and 1350) manufactured before November 07, 2011, have an overspeed calibration function, that allows the engine to dramatically exceed the intended overspeed limit. This can happen when the engine load is suddenly reduced with the throttle advanced, and the propeller leaves the water. This event could cause severe valve train and engine damage.

Correction

Starting with engine serial number 0M967122 the PCM software was upgraded to improve engine speed control in a sudden load loss event. The 1100 PCMs are labeled 8M0057186 and the 1350 PCMs are labeled 8M0057183.

Ensure that the G3 diagnostic tool is updated to version 1.3.5 or newer; then, update the calibration of the engine PCM to:

- Cal. ID: MR10p5AAI_009_QC4_1100_P_000 for the 1100 products
- Cal. ID: MR10p5AAI_009_QC4_1350_P_000 for the 1350 products

On multiple engine applications, and after updating the PCMs, configure the throttle and shift levers using the G3 diagnostic tool, which will set the proper engine location in each PCM.

Update the engine PCM at the earliest date possible, and before operating the boat.

Warranty

United States and Canada: Mercury Marine will credit the dealer for the cost of the labor.

Submit a warranty claim through your normal warranty-processing channel listing:

- Engine serial number
- Labor: 0.5 hour
- Flat rate code: SB05
- Part code: 731
- Failure code: 00

International: Follow the instructions issued by the Marine Power International Office or by an authorized Marine Power Distributor.

THE INFORMATION IN THIS DOCUMENT IS CONFIDENTIAL AND PROTECTED BY COPYRIGHT AND IS THE PROPERTY OF MERCURY MARINE.

This document is provided for the sole and exclusive use of the original recipient as prescribed by Mercury Marine and may not be distributed or copied, digitally or otherwise, without the prior written consent of Mercury Marine.