



# Service Bulletin

Bulletin No. 2010-10

Circulate to:  Sales Manager  Accounting  Service Manager  Technician  Parts Manager

## Engine Control Module (ECM) Recalibration - 30/40/50/60 HP EFI FourStroke Outboard

### Models Affected

Models Covered	Serial Number Or Year
30/40/50/60 HP EFI FourStroke Outboard	1C104334-1C125398

### Situation

Mercury Marine has identified a potential problem with the calibration of the engine control module (ECM). This potential calibration issue does not present an operation or a performance problem to the operator of the vessel. Mercury Marine has found an error in fuel consumption data reported on SmartCraft instruments. The ECM is incorrectly reporting fuel consumption by a factor of two times (example: the engine is actually consuming 1 gph, but the gauge displays 2 gph). Mercury Marine has also found that the tiller handle/dash-mounted troll control switch (P/N 897978T01) does not function properly on the above mentioned outboard models.

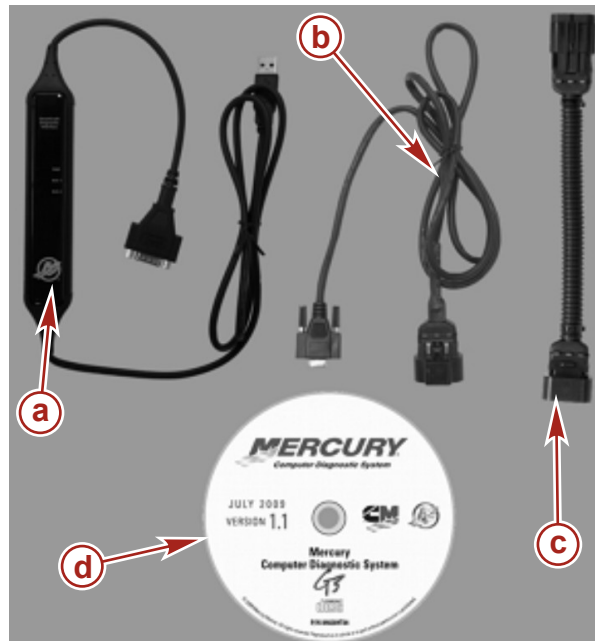
**NOTE:** *If the outboard does not use a SmartCraft gauge or a troll control switch this ECM recalibration is not required.*

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## Correction

Qualified dealerships will need to perform this recalibration on affected engines. The recalibration will be done by using the CDS G3 kit. There are no additional harnesses needed to recalibrate these engines. The minimum software version of CDS G3 that is able to recalibrate the ECM is version 1.2. If your CDS G3 is not at or above software version 1.2 please order the latest software CD. As of October 2010 the latest CDS G3 software CD part number is listed below.



Ref.	Description	Part Number
	CDS G3 Kit (all pieces pictured above)	8M0046124
a	SmartCraft interface cable	879365022
b	CAN P and H adapter	8M0044023
c	Harness adapter (with resistor)	8M0045065
d	Programming CD	8M0049836

**NOTE:** A video is available on MercNET showing the recalibration process. It is located under the "Service" heading. Once you open the Service folder there will be another folder called "Service Tech Videos." Please pick the appropriate heading for the content covered in this bulletin.

## Dealer Outboard Inventory

Outboards in dealer stock do not need to be reworked prior to sale. If the engine is installed onto a vessel that uses SmartCraft gauges or a remote-mounted troll control switch, the ECM recalibration should be performed. If the engine is being installed onto a vessel that does not use SmartCraft gauges or a remote-mounted troll control switch ECM recalibration is not required.

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## Special Instructions

At the time this bulletin was published, CDS G3 is not capable of printing ECM recalibration stickers. The revised calibration stickers will have to be ordered from Mercury Parts and Accessories. Please see the chart below to order the sticker required for your engine application.

Engine	Part Number
30 EU (3 cylinder)	8M0053906
40 Worldwide (3 cylinder)	8M0053907
40 Worldwide (4 cylinder)	8M0053908
40 Jet (4 cylinder)	8M0053909
50 EPA (4 cylinder)	8M0053910
50 EU (4 cylinder)	8M0053911
60 EPA (4 cylinder)	8M0053912
60 EU (4 cylinder)	8M0053913

## Warranty

Mercury Marine will credit the dealer for the cost of parts and labor.

Complete warranty claim listing:

- Outboard serial number
- Warranty flat rate code: SB06
- Part failure code: 731
- Failure code: 00
- Part number (see table above)

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