



Service Bulletin

Bulletin No. 2017-01

Circulate to: Sales Manager Accounting Service Manager Technician Parts Manager

Engine Control Module (ECM) Recalibration and Thermostat Inspection - 40/50/60 HP EFI

Models Affected

Engine Models	Serial Numbers
40/50/60 HP EFI FourStroke	1C453610–1C471113

Scope

Worldwide

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. This calibration issue affects how data is reported on SmartCraft instruments. The ECM is incorrectly interpreting data that may cause a loss of information from any external engine sensor on the SmartCraft system. This issue will also cause the active trim system (if installed) to not function properly.

NOTE: *If the outboard does not use a SmartCraft gauge or an active trim system, this ECM recalibration is not required.*

Also, Mercury Marine has identified a potential issue with the thermostat in the above mentioned engines. This potential issue can be addressed via an inspection when the engine is in for service during the next routine maintenance interval.

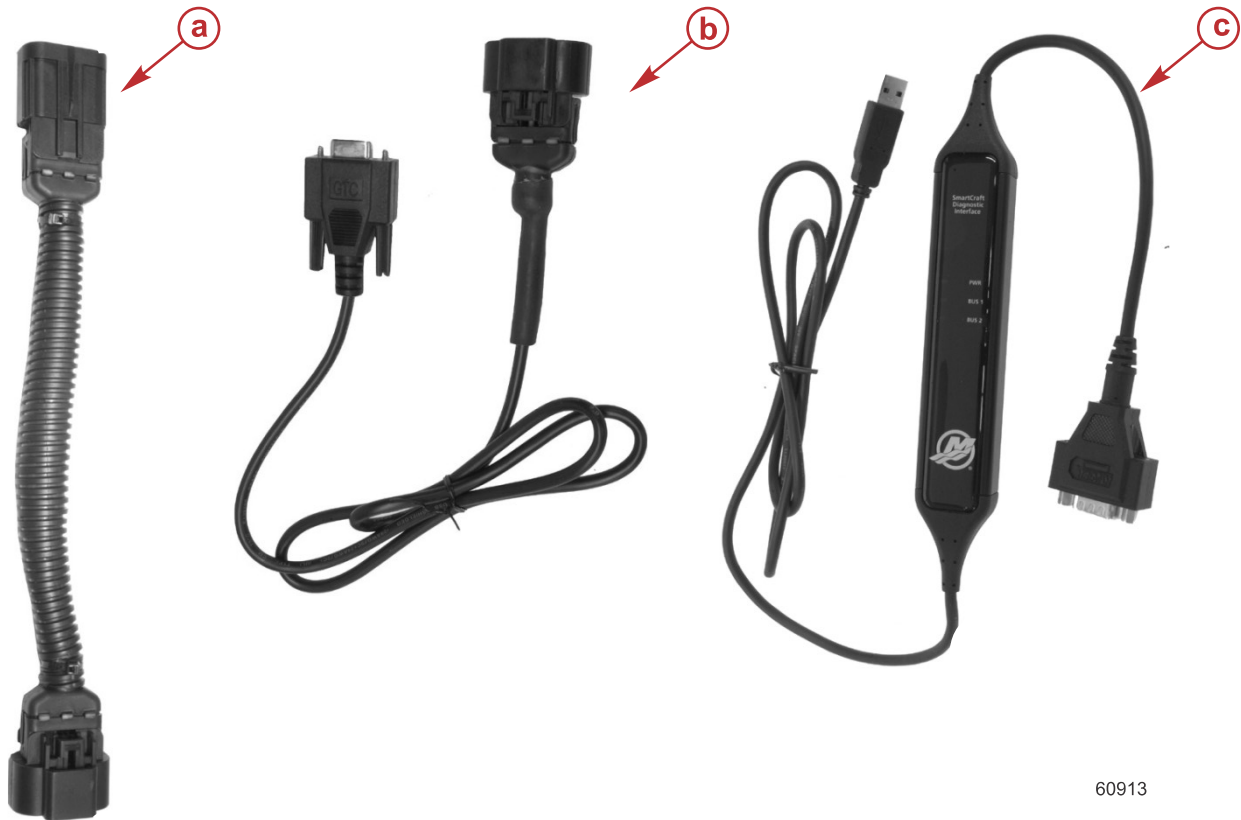
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Correction

Calibration

Authorized 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 1.7.8. If your CDS G3 is not at or above software version 1.7, please order the latest G3 license key.



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Qty.	Description		Part Number
1	Mercury Marine CDS G3 license key		8M0117374

Ref.	Qty.	Description	Part Number
a	1	G3 engine harness adapter (with resistor)	8M0046081
b	1	CAN P/CAN H adapter harness	898289T83
c	1	CDS G3 SmartCraft diagnostic interface	898289T81

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.

Thermostat

Following the procedure in the service manual, remove and inspect the thermostat for any broken or damaged components. If any broken or damaged components are found, replace the thermostat. If the thermostat passes the inspection, it can be reinstalled in the engine and the engine returned to service.

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Dealer Outboard Inventory

Outboards in dealer stock should have the thermostat inspected prior to sale. If the engine is installed onto a vessel that uses SmartCraft gauges or an active trim kit, the ECM recalibration should be performed. If the engine is being installed onto a vessel that does not use SmartCraft gauges or an active trim kit ECM, recalibration is not required.

Warranty

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

Complete the warranty claim, listing:

- Outboard serial number
- Labor: 0.8 hours per outboard
- Warranty flat rate code: SB08
- Part failure code: 731
- Failure code: 00

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