MERCURY
MerCruiser

Service Bulletin

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Diagnostic Tool Update—G3 Software

NOTICE
The information released in this service bulletin supersedes any previously released bulletins regarding the MCDS-G3 diagnostic tool.

Models Covered	Serial Number or Year
MerCruiser Axius Systems	All
MerCruiser EC Engines	All
Mercury 40-60hp 4-Stroke EFI Engines	1C104423 and above

Scope

Worldwide.

Situation

Mercury Marine is pleased to announce the release of a major update to the MCDS-G3 program. The update is being released on a compact disc (CD) and will be identified as software version 1.2. This CD will update existing registered G3 installations of software versions 1.0 or 1.1. Complete G3 kits (including the SmartCraft dagnostic interface) have been updated to include the version 1.2 software.

The update must be ordered from Mercury Parts and Accessories using part number 90-8M0049836. Refer to MercNET or your local office for pricing. Each update CD includes a software license for one computer. Internet communication is required to register the software.

Main Features of the Update

Electronic Control Module Reprogramming (Reflash)

G3 now provides reflash (reprogramming) functionality for the latest electronic control modules that communicate with Mercury SmartCraft CAN (controller-area network), including:

- Mercury 40-60hp "Gen III" 4-Stroke EFI engines using the ECM70 controller
- MerCruiser EC (Emissions Control or "catalyst") engines using the PCM09 controller (Alpha, Bravo, Axius and Inboard versions)
- MerCruiser Axius command control modules (CCMs) and thrust vectoring modules (TVMs)

NOTE: Internet communication is required for reprogramming.

EBOM Additions and Updates:

- Mercury 40–60hp, GEN III, 4-Stroke EFI outboard engines
  - Support for calibration updates through July, 2010
- Vessels equipped with Axius Generation 2
  - Additional Active Tests supported
- MerCruiser EC engines
  - 8.2 Bravo and Inboard engines now supported

- • Support for calibration updates through July, 2010 for the entire EC product line
- • Single and twin engines, as well as single-helm and dual-helm stations supported
- • Zeus vessels
    - • Triple-engine and quad-engine support
    - • Multiple-helm station support

Historic Fault Data (Freeze-Frame Buffers) Additions:

- • Axius Generation 2 TVMs—located in each engine compartment
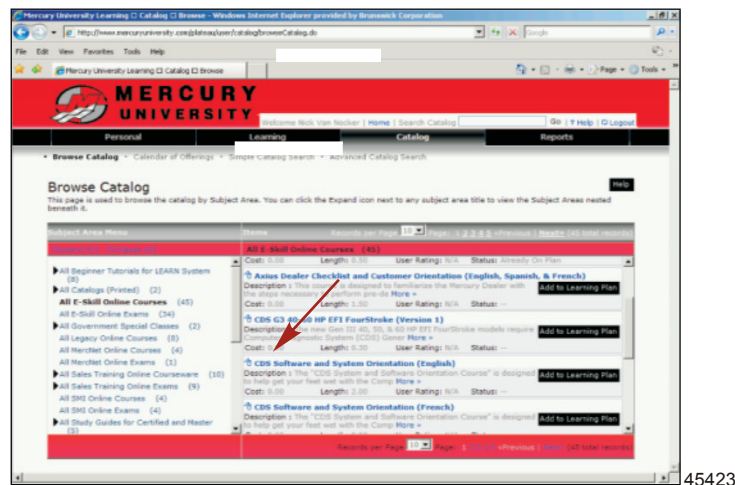- • Axius Generation 2 CCMs—located at each helm station

"Sport Fish" Electronic Remote Control (ERC)

- • The Sport Fish ERC now on the list of selectable controls in Lever Adaptation screens

Training Support

Training of CDS-G3 is available in both instructor-led classroom courses and online E-skills at www.mercuryuniversity.com.

- • Online E-Skill training:
    - • Outboard 40-60 HP EFI
    - • Outboard FourStroke
    - • G3 Software Menus and Navigation
    - • Other CDS G3 courses including MerCruiser EC engines and Axius Generation 2 will be released at a future date.

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- • The following instructor-led classroom courses covering CDS-G3 are available at Mercury University locations in the United States, Canada and Latin America:
    - • Introduction to Computer Diagnostic System (CDS)
    - • Outboard FourStroke
    - • MerCruiser Axius
    - • MerCruiser EC
    - • MerCruiser EFI

Ordering Information

Qty.	Description	Part Number
1	MCDS-G3 Version 1.2 Software-Only Kit	90-8M0049836

Those wanting to purchase the complete G3 Diagnostic Tool Kit (with the SmartCraft diagnostic interface and adapter cables) should continue to use part number 90-8M0046124. This kit now ships with the Version 1.2 CD.