

Circulate to: Sales Manager Accounting Service Manager Technician Parts Manager

GPS and IMU Availability and Replacement

Models Covered

Model	Serial Number Range
Axius vessels equipped with GPS	All
Joystick Piloting for Sterndrive vessels equipped with GPS	All
Joystick Piloting for Outboard vessels equipped with GPS	All
Zeus vessels equipped with GPS	All
SmartCraft CAN-P GPS equipped vessels	All
Speed based Smart Tow and Smart Tow Pro GPS equipped vessels	All

Scope

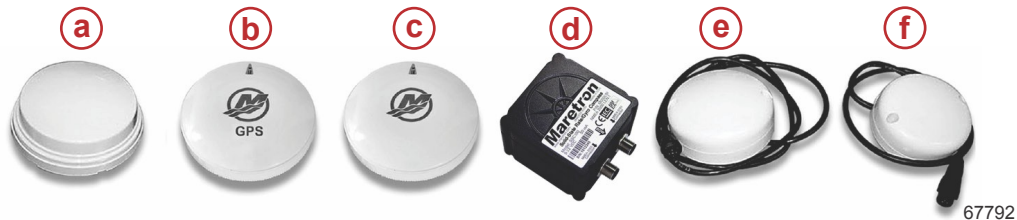
Worldwide

Situation

In the event that a replacement GPS or IMU is required, use this bulletin to guide you through the proper selection of a service replacement GPS or IMU for current and legacy GPS equipped boats.

Listed below are the three currently sold GPS options and the separate legacy IMU unit

IMPORTANT: Installing the incorrect GPS into a Mercury Marine vessel equipped with a Joystick or a Smart Tow equipped device could result in the boat moving erratically or unpredictably. This could result in an accident or injury. Please follow the recommendations of this document for the correct Mercury approved GPS replacement.















Ref.	Part Number	Description
a	8M0091565	Mercury CAN-P/CAN-H classic GPS 400
b	8M0130792	Current CAN-P/NMEA 2000 GPS only
c	8M0105389	Current Joystick Piloting GPS/IMU combination—CAN-H
d	8M6002180	Legacy IMU unit
e	No longer available	LGC 400
f	No longer available	VesselView 7 unlock puck

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Correction

The following table shows the Mercury Marine recommended replacement options for GPS and IMU units.

Original	Application	Replacement
GPS 100, 200, 300, and 400  67859	All Smart Tow SC1000 Tachometers, Speedometers, and MercMonitor Smart Tow using CAN-P GPS or NMEA 2000 GPS	GPS only 8M0130792  67860
GPS 100, 200, 300, and 400  67859	Axius (Generations I and II), Zeus (SC 2.2 and 2.5) See Note	GPS 400 8M0091565  67859
GPS 100, 200, 300, and 400  67859	Axius JPS, Zeus, and JPO with CCM software level CCM18 or above with Design I Joystick See Note	GPS/IMU 8M0105389  67861
GPS/IMU combination  67861	JPO, JPS, and JPZ with Design 2 Joystick	GPS/IMU 8M0105389  67861
GPS only  67860	Heyday boats and JPI on SeaRay Wake Surf Boats using Mercury GPS Antenna	GPS only 8M0130792  67860
LGC 400, VesselView 7 unlock puck, GPS 100, 200, 300, and 400  67997	All other Mercury Marine applications using a Mercury Marine supplied GPS antenna	GPS only 8M0130792  67860

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Original	Application	Replacement
IMU unit 	Axis, JPS, and Zeus See Note	IMU unit 

Joystick Identification



Design 1 Joystick



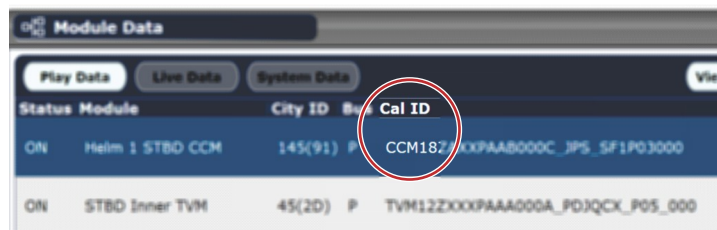
67816

Design 2 Joystick

Note from the table:

Design I joystick products including Axis, Zeus, JPS, and JPO: Use G3's module data screen to inspect the software level of the CCM to determine which component will be selected as the replacement.

- **For Design I joystick products with CCM18:** Use the GPS/IMU combination—p/n 8M0105389. Remove the old IMU and GPS, if applicable.
- **For Design I joystick products with CCM13 or CCM16:** Use G3 to reflash the CCMs to CCM18. Use the GPS/IMU combination—p/n 8M0105389. Remove the old IMU and GPS, if applicable.
- **For Design I joystick products with CCM08, CCM09, CCM10, or CCM11:** Replace the IMU with the IMU—p/n 8M6002180 and replace the GPS 100, 200, 300 or 400 with the classic GPS 400—p/n 8M0091565).



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CCM18 calibration ID shown in CDS G3

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