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Required Update to Zeus SC 3.0 for Triples

Models Affected

Description	Serial Number Range
Zeus SC 3.0 Triple Applications	All Models

Boat Models Equipped with Zeus SC 3.0 Triples

Boat Manufacturer	Model
NISI	2400
Riviera	580 Sport Yacht
Riviera	53 Fly Bridge
Gallop	62
Transworld	72 Express
Formula	ICON 58
Lazzara	LMC76

Scope

Worldwide

Situation

The Zeus triple products listed contain SmartCraft 3.0 software. These products require an update for the autopilot module to correct a possible change in boat heading during AutoHeading operation. The heading changes can occur during a loss of the GPS signal. Loss of the GPS signal is rare, but can occur during inclement weather or when traveling under obstructions.

After this update, the SC 3.0 software will disengage AutoHeading mode if the GPS signal is lost.

Inspection/Test

IMPORTANT: Perform this inspection to verify that the autopilot module has not already been replaced.

Connect CDS G3 version 1.6 or greater and turn on all vessel key switches. Allow CDS G3 time to establish communication with all the modules before proceeding beyond the home page. Usually, about one minute will suffice for this.

Next, click on the Module Data icon at the bottom of the page, and identify the autopilot module from those listed. Look at the column titled Cal ID and compare the calibration ID indicated for the autopilot module with the chart below.

NOTE: If you cannot see the full Cal ID in CDS G3, you may need to enlarge that column. Place the cursor on the split line between the Cal ID column and the Info column. The cursor will change to a split line arrow to indicate you are in the correct position to then drag and drop the new margin line for this column.

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Autopilot Module Calibration ID	Update Status
APM10ZAXXPAAB_000A_PDJQAX_000	Requires autopilot module update
APM10ZAXXPAAB_000B_PDJQAX_000	Requires autopilot module update
APM10ZAXXPAAB_000B_PDJQAX_001_8M0106800	Module update has been previously completed. Do not perform the following Correction.

Correction

IMPORTANT: You must obtain a current, approved copy of the appropriate vessel personality, prior to beginning the following procedure.

IMPORTANT: Once you have confirmed that the autopilot module has not already been replaced, you must confirm that the other modules are compatible with the update. Only after confirming compatibility can you proceed with replacing the autopilot module.

Mercury has released for sale the updated autopilot module. However, prior to ordering the replacement module, you need to know if the rest of the modules on the vessel are compatible with the current software level loaded in CDS G3.

With CDS G3 version 1.6 or greater connected to the vessel and all keys on, select the eBOM icon on the bottom of the CDS G3 screen and let the CDS G3 evaluate the modules for matches. You can view the matches by clicking the drop down arrow to the left of the eBOM titled "Pod Drive - Zeus SC3.0 V0." Be certain to select the "Show All" box to view the full list of modules.

- **If there are any mismatched modules (excluding the autopilot module)** for the eBOM for SC3.0 (loaded in CDS G3 1.6 or greater), contact Mercury Marine Technical Services or your nearest Marine Engine Distribution Center. A field service staff member will be dispatched to update the entire vessel and reconfigure it to fully operational status.

The screenshot shows the eBOM interface with the following data:

eBOM		Total Match	MisMatches	Not Found		
Pod Drive - Zeus SC3.0 V0		11	11	0	Deselect	
Module	City ID	Expected	Detected			
STBD SIM	11(0B)	SIM10ZXXXPAAD	SIM10ZXXXPAAB			
PORT SIM	12(0C)	SIM10ZXXXPAAD	SIM10ZXXXPAAB			
STBD Inner SIM	13(0D)	SIM10ZXXXPAAD	SIM10ZXXXPAAB			
STBD TVM	43(2B)	TVM11ZXXXPAAA	TVM10ZXXXPAAB			
PORT TVM	44(2C)	TVM11ZXXXPAAA	TVM10ZXXXPAAB			
STBD Inner TVM	45(2D)	TVM11ZXXXPAAA	TVM10ZXXXPAAB			
HELM 1 STBD CCM	145(91)	CCM10ZXXXPAAB	CCM10ZXXXPAAA			
HELM 1 PORT CCM	146(92)	CCM10ZXXXPAAB	CCM10ZXXXPAAA			
HELM 1 STBD Inner CCM	147(93)	CCM10ZXXXPAAB	CCM10ZXXXPAAA			
Aux Joystick 1	177(B1)	RJM10ZXXXPAAB	RJM10ZXXXPAAB			
Autopilot	217(D9)	APM10ZAXXPAAB	APM10ZAXXPAAB			
Sterndrive - ECT 4 Cylinder Alpha - MY10p5AAC		1	0	1	0	Select
Sterndrive - ECT 4 Cylinder Alpha - MY10p5AAB		1	0	1	0	Select
Sterndrive - ECT 6 Cylinder Alpha - BRZ14_PV_AEA		3	0	3	0	Select
Sterndrive - ECT 6 Cylinder Alpha - BRZ14_PV_ADZ		3	0	3	0	Select
Sterndrive - ECT 6 Cylinder Alpha - BRZ14_PV_ADY		3	0	3	0	Select

Example eBOM with 11 mismatched modules

IMPORTANT: You must select the "Show All" box in order to view all of the modules.

- **If there are no mismatches** (all of the modules listed in the Expected column match the modules listed on the Detected column), then you must order the autopilot module to complete the update.

IMPORTANT: A reflash package for this update will not be released in CDS G3. The autopilot module must be physically replaced.

Completing the Update

IMPORTANT: Autopilot module replacement requires the vessel personality to be imported using CDS G3.

After the autopilot module is installed:

1. Import the correct vessel personality file for your application using CDS G3.
2. Water test the vessel to ensure that the premier features function correctly.

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Parts Required

Autopilot Module Part Number	Quantity Required per Boat
8M0107056	1

Warranty

United States and Canada: Mercury Marine will credit a distributor or dealer for the cost of labor to perform this update. Submit the appropriate warranty claims through your normal warranty-procession channel, listing:

- For autopilot module replacement and water test
- Zeus pod serial number
- Labor: 0.5 hour per pod, for a total of 1.5 hours per boat
- Flat rate code: SB05

Outside the United States and Canada: Follow the instructions issued by the Marine Power International office or by an authorized Marine Power distributor.

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