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## Axius Joystick Piloting for Sterndrive CCM and TVM Calibration Update

<b>NOTICE</b>
Revised July 2018. This bulletin supersedes October 2015-07R1 Service Bulletin.
Revision change: software version.

### Models Covered

Models Covered	Serial Number Or Year
4.5L models with PCM 112	2A441953 and above
6.2L models with PCM 112	2A456613 and above

### Scope

Worldwide

### Situation

**IMPORTANT: The reflash procedure referenced in the previous version of this bulletin has been significantly altered. Reference Outboard service bulletin 2018-04 for details of the changes and instructions before reflashing.**

Axius Joystick Piloting for Sterndrive command control module (CCM) and thrust vector module (TVM) software was updated in October 2015, for system performance and feature upgrades.

**IMPORTANT: This reflash should be performed at the next customer service interval.**

The new CCM and TVM software requires CDS G3 V1.6.4 or newer. To verify your current version of CDS G3, click on **Help** at the top of the CDS G3 screen and select **About**. The current version will be displayed. Previous versions of the CDS G3 software can be upgraded by connecting your laptop PC to the Internet and opening CDS G3. CDS G3 will attempt to contact the Mercury server to look for updates.

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## Reflash Process

Refer to **Outboard service bulletin 2018-04** to complete the process.



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The technician will no longer need to contact Mercury Technical Service to obtain the Vessel Personality prior to beginning the reflash process. G3 will now record and rewrite the vessel personality during the reflash process.

A video of the reflash process can be found on MercNET or by following this link: [https://p.widencdn.net/zpv3s8/New-G3-reflash-6\\_4\\_18](https://p.widencdn.net/zpv3s8/New-G3-reflash-6_4_18).

## Checklist

Use the following checklist as a guide for the reflash steps.

- Record:
  - Hull ID \_\_\_\_\_
  - Starboard engine serial number \_\_\_\_\_
  - Port engine serial number \_\_\_\_\_
  - Port mechanical drive offset \_\_\_\_\_
  - Starboard mechanical drive offset \_\_\_\_\_
- Disconnect SmartCraft gauges from the J-boxes.
- Connect CDS G3 and ensure that the version of CDS G3 is at least 1.6.4. The version is temporarily viewable on the lower left corner of the CDS G3 startup screen. It is also viewable by clicking on **Help** at the top of the CDS G3 screen, and then selecting **About**.
- Reflash the modules in the following order. CDS G3 lists the modules in the preferred order of reflash. Do not change the order of reflash from the displayed preference:
  - Starboard helm 1 CCM
  - Starboard helm 2 CCM
  - Any other CCM
  - Starboard TVM
  - Port TVM
- During the reflash, complete City ID and Lever Adapt.
- Use CDS G3 to configure the steering wheel.
- Water test the vessel.
- Test Skyhook, autoheading, and track waypoint.

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- Test joystick functionality.

## Warranty

If the engine is within the warranty period, submit a warranty claim through your normal warranty processing channel.

For each engine serial number:

- Labor: 0.5 hour per boat
- Flat rate code: SB05 (.5 per engine includes sea trial)
- Part code: 499
- Fail code: 00

**Outside the United States and Canada:** Follow the instructions issued by your local office or distributor.

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