

SMG4 SOFTWARE CHANGE



This bulletin is to inform you of the latest software changes for the SMG4 (Ver. 3.009). Additionally, this bulletin provides step-by-step instructions for manually adding the gauge communication setting to the correct position, K-LINE or CAN2.

Affected Departments: Service, Parts

Affected Models: DF9.9B – DF350A (Depending on Engine Model and Rigging)

Cause

SMG4 version 3.000 was programmed to automatically determine K-line or CAN2 communication as soon as the key is turned on. However, SMG4 may restart and display “Check Gauge C.” on mechanical control models when the battery voltage drops significantly during cranking. These issues are seen when SMG4 is being used with mechanical engines or when using SPC 1.0 Rigging and the Rigging Adapter Harness on a 2022 and later Engine.

Software Ver. 3.009 Changes

The software has been changed for the countermeasure of the following issues and bugs.

1. The incorrect "Total fuel flow" is indicated in SMG4s on the multiple engines installed boat (except for the Port one).
2. SMG4 may restart and display “Check Gauge C.” on the mechanical control models, when the battery voltage is dropped (when the battery is deteriorated) during cranking.

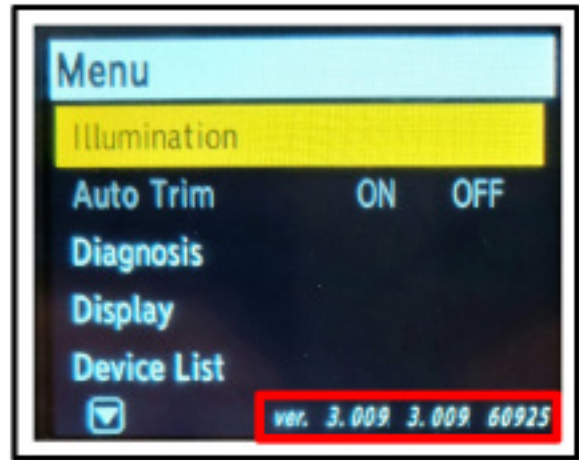
Circumstances and When to Apply the Updated Software

1. When the SMG4 Version is used on Series 4 engines (2022 models) and SPC 2.0 controls, the updated software is not needed.
2. The updated software is to correct listed symptoms above. Confirmation of fuel totaling issues when operating motor or gauge rebooting issues when cranking motor.
3. Gauges not experiencing the issues above will not need the software update.
4. **DO NOT FILE A WARRANTY CLAIM** on a version 3.000 SMG4 gauge just to receive the new software. Contact Tech-Line and provide the engine serial number and gauge software version.

Change of Part Number(s)/Software Version

| | Early | | Late |
|------------------------|----------------------------|--|-------------|
| Gauge assy, Multi | 34011-96L16 34011-96L41 | | 34011-96L42 |
| Kit, Single Gauge Mech | 34000-96L48 | | 34000-96L49 |

Press “Menu” once from the default page, to check the version of the SMG4 gauge. Look in the lower right-hand corner of SMG4 gauge. The “ver.” shown is the software version of the gauge.



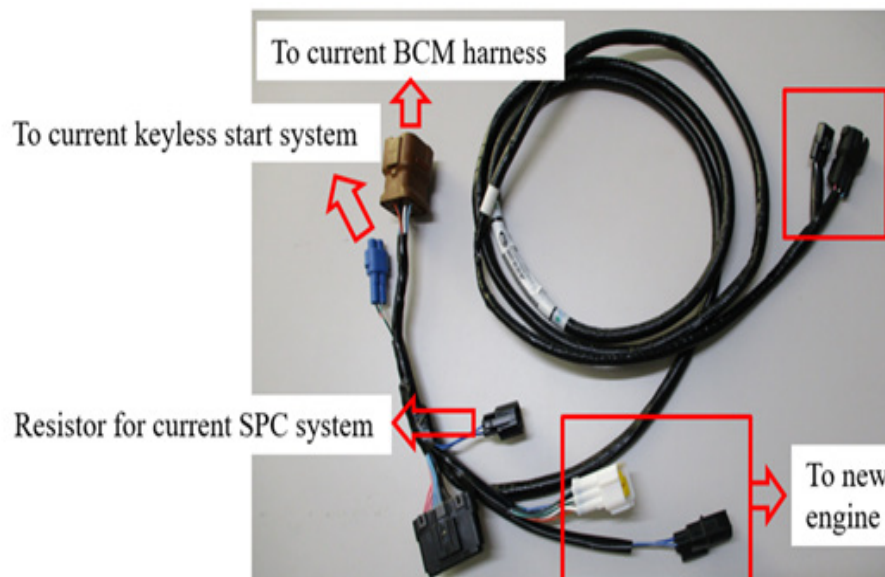
SMG4 Software Version 3.009 Initialization

Gauge communication from the motor to gauge has been changed. During initialization in the gauge position selection “communication” has been added giving the installer the option to select [K-Line] or [CAN2].

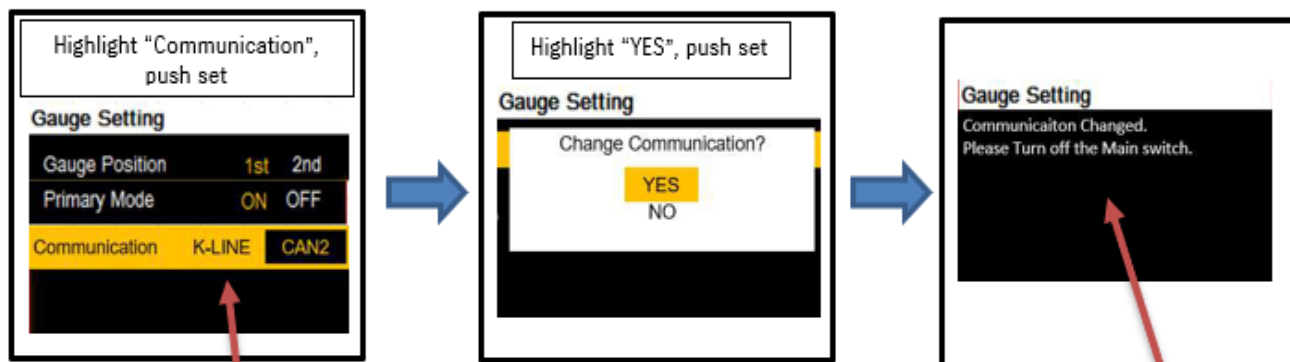
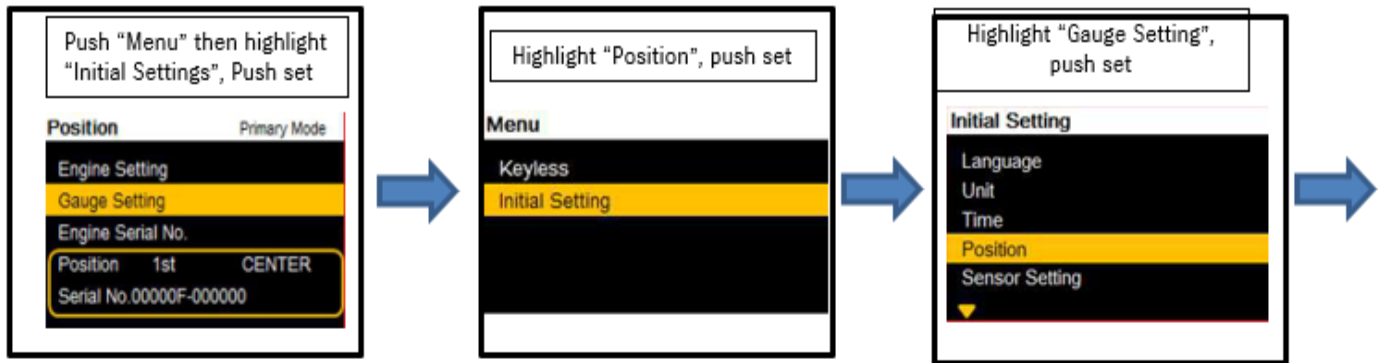
Follow the instructions below and use the chart provided to select the correct communication for the model you are initializing.

| Type | Model | Serial Number Range | | |
|--------------------------------|------------------|---------------------|-----------------|------------------------|
| | | ~ 149999 | 240001 ~ 249999 | Model Year 2023 TBD |
| Mechanically Controlled Models | DF9.9B - DF30A | K-LINE | K-LINE | TBD |
| | DF40A-DF200A | K-LINE | K-LINE | TBD |
| | DF200/225/250 V6 | K-LINE | K-LINE | TBD |
| SPC Models | DF115BG - DF350A | K-LINE | CAN2 | TBD |

NOTE: When using adapter harness 36623-98LB1 which allows 240001~ SPC models to connect to SPC 1.0 controls, you must choose K-LINE for your communication setting on the SMG4.



How to Set Communication



"Communication" selection has been added under the "Gauge Setting" selection. Use the Table above to Choose K-LINE or CAN2. "CAN2" is the default setting when the gauge is new out of the box.

Once "YES" is Selected this message will appear. No other selections can be made until the SMG4 is powered off for **30** seconds then turned on. After SMG4 is turned on, proceed with the rest of the initialization as normal.

NOTE:
If the incorrect communication selection was made a **"No Engine Data"** warning will appear on SMG4.

