

**STEYRMOTORS**  
INNOVATION WITH LIGHTNESS



## STEYR ENGINE INTERFACE SEI

### OPERATION MANUAL



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• Start-up Screen

Upon Instrument start-up, the Steyr Motors logo followed by the Steyr "Bull's Eye" logo appear for approximately three seconds each.

• Default Quick View Main Screen

The default Quick View Main Screen screen appears after completion of the start-up routine and replaces the start-up logo. The first Quick View Main Screen display is factory set to show total hours.

• Quick View Main Screens

Quick View Main Screens allow for easy viewing of up to 20 commonly used vehicle operating parameters or functions by pressing the Up or Down switches. Users choose the quantity, order and type of parameters to include in the Quick View Main Screen list.

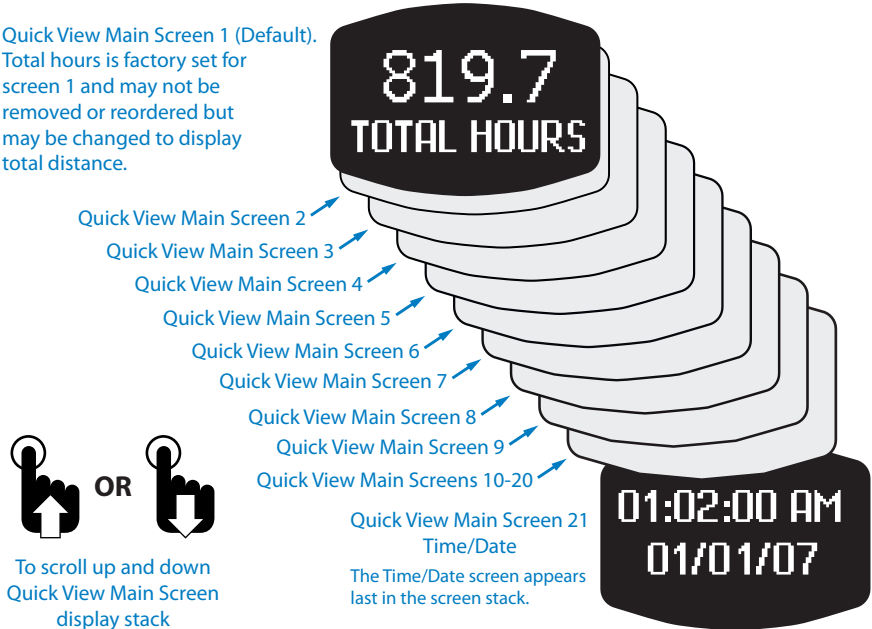
17 Quick View Main Screens are factory configured by Steyr Motors but are easily reconfigured to meet individual user preferences.

The first screen in the list of Quick View Main Screens is preset to total hours, however, it can be changed to total distance (See Set CAN Bus menu). The total hours or total distance screen may not be removed from or reordered in the screen list.

The time/date screen always appears last in the screen display stack if enabled for display.

See "Display" on page 35 for configuring Quick View Main Screens.

Figure 1-3: Quick View Main Screens

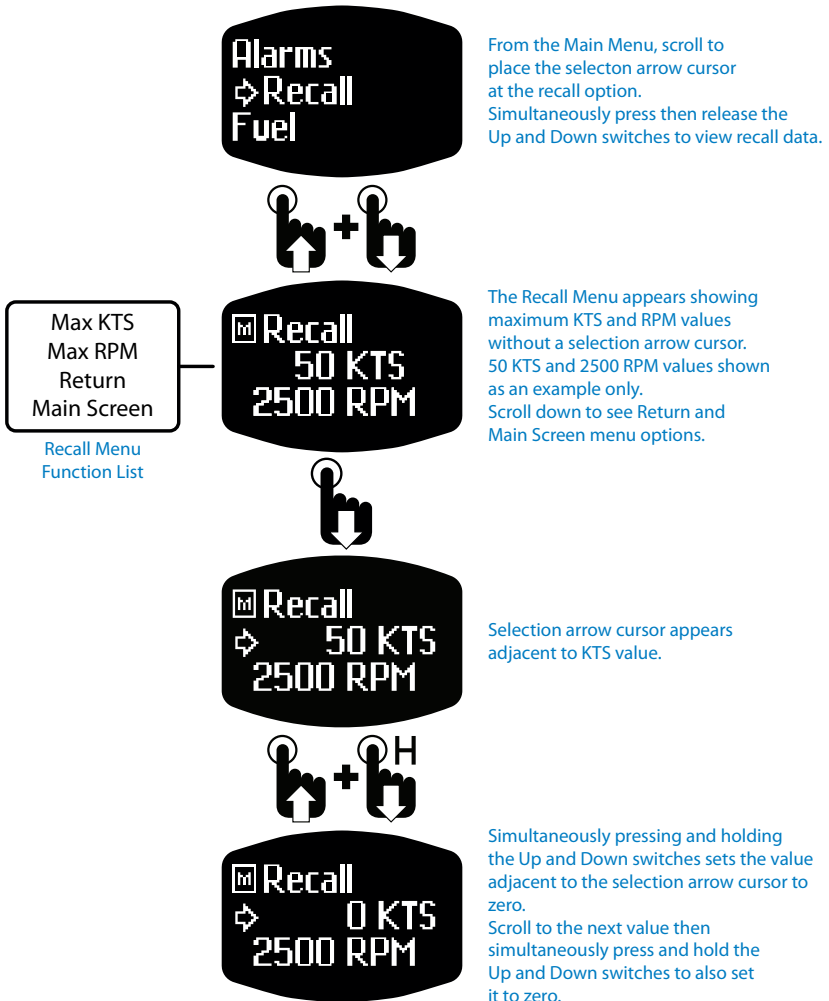


## • Recall

The recall function displays the maximum vessel/vehicle speed and engine RPM. The recall data is stored in non-volatile memory which retains the information until it is reset or overwritten by higher values.

To reset either recall value to zero, place the selection arrow cursor at the value to reset by using the Up or Down switches. Once the cursor is adjacent to the desired value, simultaneously press and hold the Up and Down switches until the value changes to zero.

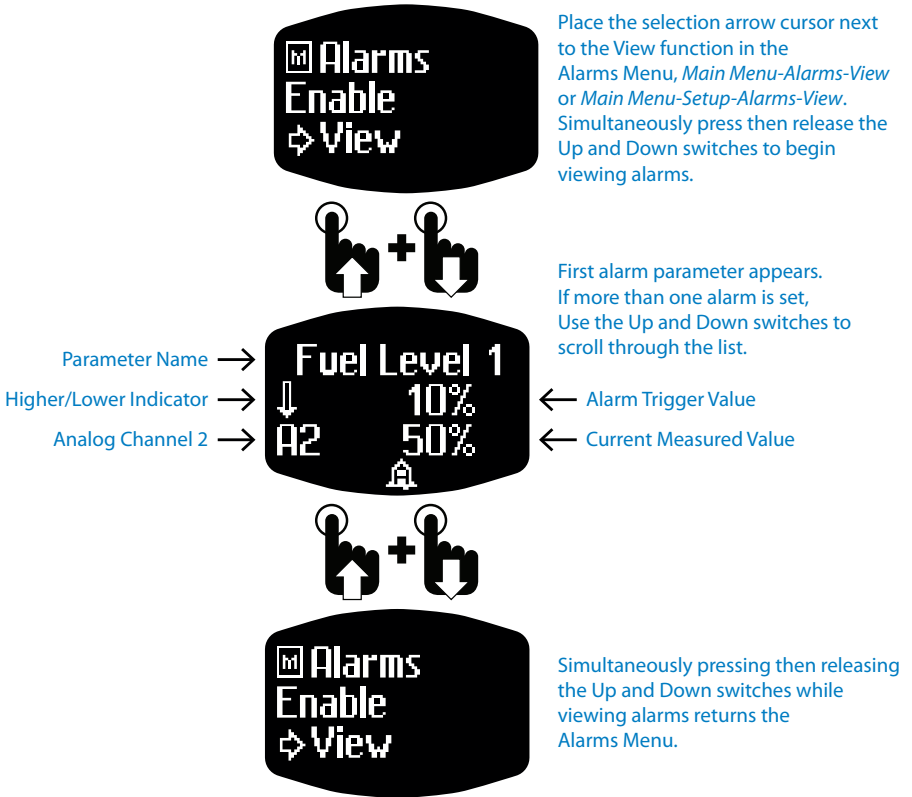
Figure 1-14: Recall Function



• Viewing Alarms

View Alarms allows users to scroll through all parameters causing the alarm condition or conditions. The parameter or parameters causing the alarm condition display the actual measured value blinking. To exit alarm review and return to the Quick View Main Screen, simultaneously press then release the Up and Down switches.

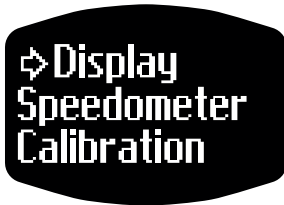
Figure 1-24: Viewing Alarms



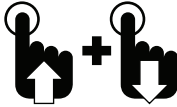
• Display

The Display Menu functions give users the ability to configure the LCD. Options for configuring the display include brightness, contrast, viewing mode and which parameters to include in the Quick View Main Screen stack. Each function is detailed in the following pages.

Figure 1-36: Display Menu



Place the selection arrow cursor at the Display option in Setup Menu, Main Menu-Setup-Display.



The Display Menu appears with the selection arrow cursor at the Main Order option.

- Main Order
- Main Clock
- Main Roll
- Main Recall
- Key Off
- Set Video
- Set Contrast
- Return

Display Menu Function List

• Main Order

The Main Order function is used to select the quantity of parameters and order in which they will display when scrolling through the Quick View Main Screens.

See following page for detailed instructions.

### • Setting Fuel Tank Data Source

After deciding which tank to calibrate, users must choose a source for the fuel data. The source can be a CAN parameter, A/D input (analog discrete fuel sender) or None. Selecting the None option still provides fuel level information but disables fuel management data for the tank.

If A/D input is chosen, users must first configure an analog input using the A/D Inputs setup function. Refer to "A/D (Analog/Digital) Inputs" on page 32 for configuring fuel as an A/D input.

Figure 1-48: Selecting Fuel Tank Data Source

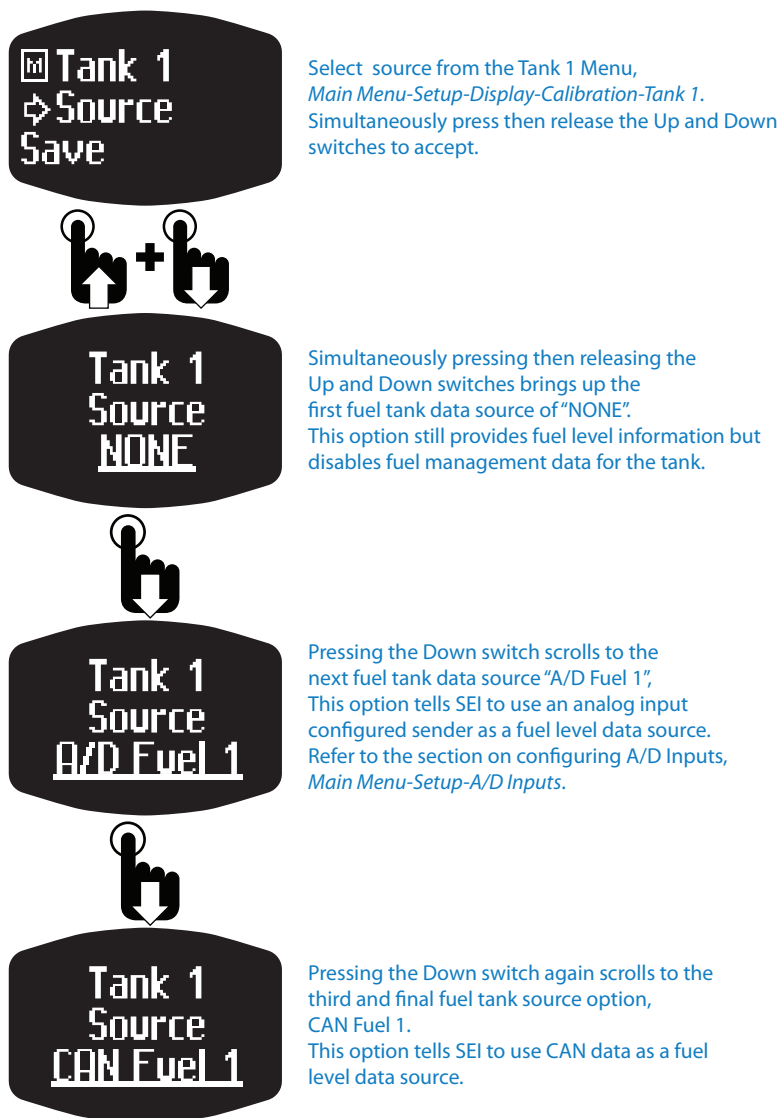
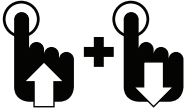


Figure 1-59: Setting Full Up Trim Position



Place the selection arrow cursor next to the Full Up option in the Engine Trim Menu, *Main Menu-Setup-Calibration-Engine Trim-Full Up*. Simultaneously press then release the Up and Down switches to begin setting full-up position.



The engine trim Full Up Menu appears with the selection arrow cursor at the No Change option.



Move the selection arrow cursor to the Set option and trim the engine to the desired up position.

As the engine is trimmed, the percent of full-scale trim value changes. If an offset for the up position is desired, trim the engine to a percent value less than 100%, otherwise trim to 100%.

Once the desired percent value is reached, simultaneously press then release the Up and Down switches to set the calibration point.

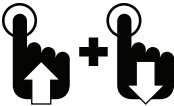
#### • Viewing Trim Calibration Settings

The view option provides an easy method to simultaneously review the trim settings for both up and down positions.

Figure 1-60: Viewing Engine Trim Settings



Place the selection arrow cursor next to the View option in the Engine Trim Menu, *Main Menu-Setup-Calibration-Engine Trim-View*. Simultaneously press then release the Up and Down switches to view trim calibration settings.



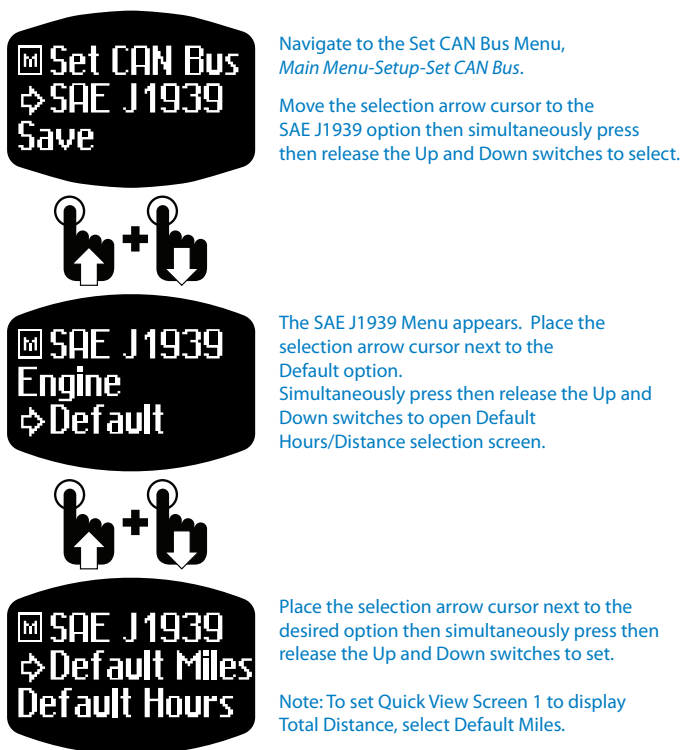
The View E Trim screen displays the calibration settings for both the up and down positions.

• Setting SAE J1939 Default Quick View Main Screen 1 (Total Hours or Distance)

When Using the SAE J1939 protocol, users have the option to set Total Hours or Total Distance as the default Quick View Main Screen 1.

See "Default Quick View Main Screen" and "Quick View Main Screens" on page 5.

Figure 1-73: Setting SAE J1939 Default Quick View Main Screen 1



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