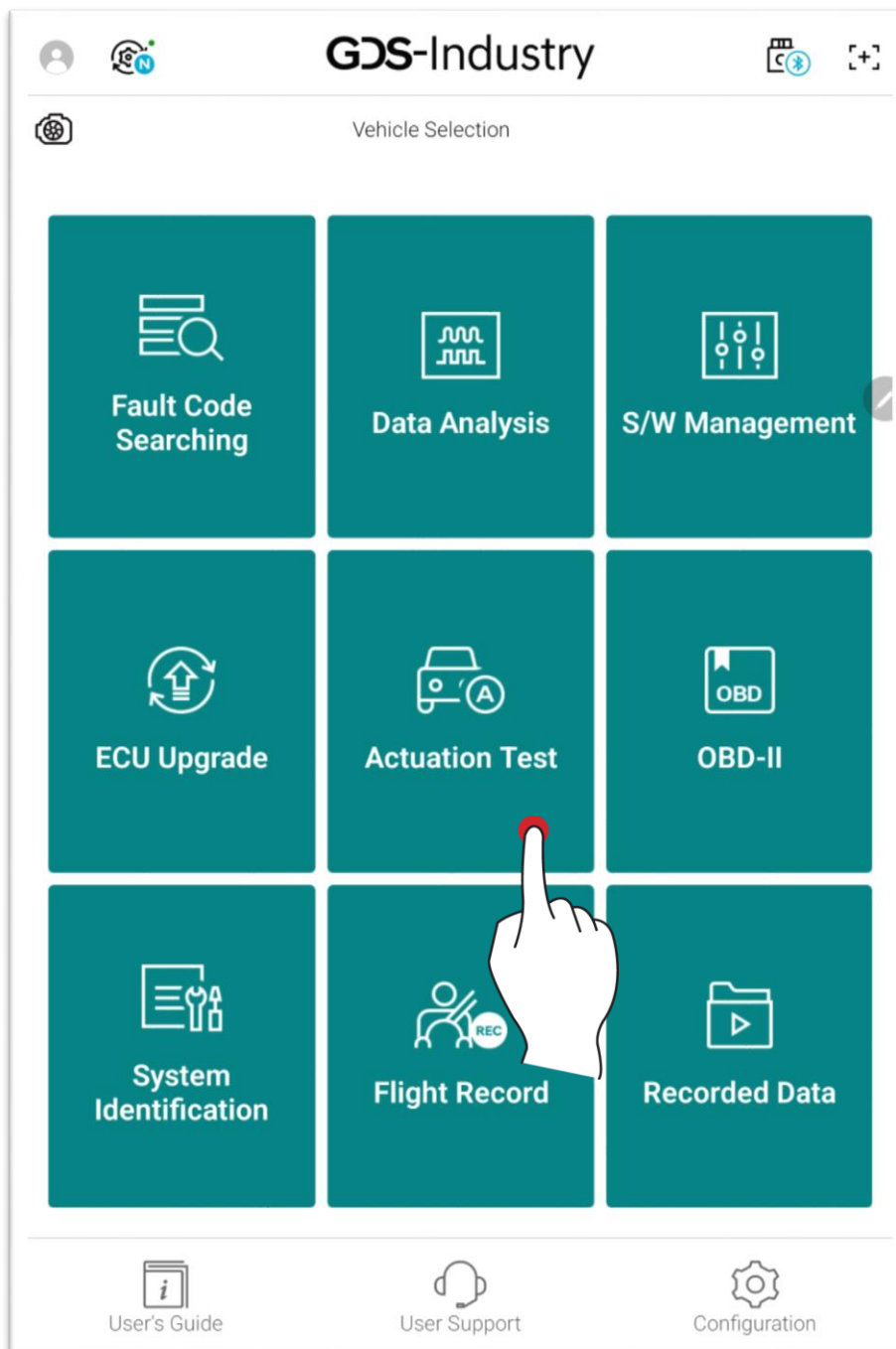


Actuation Test

This is a function of performing forced self-driving and stopping various actuators installed on vehicles through a control module, which can inspect the normal driving status of parts.



Actuation Test

It displays Actuation Test Item supported on the selected vehicle and operates the selected actuator manually.

The screenshot shows the 'Actuation Test' interface for a FORKLIFT(25/30D-9V)/2020/D 2.2TCI-R vehicle. The top section displays a list of sensors with checkboxes for selection. Below this is a control bar with 'Stop', 'Data Capture', 'Clear Data', and 'Selective Display' buttons. The bottom section shows a table of test items with a 'Start' button. Red circles and arrows indicate the selection of a test item and the start button.

Sensor Name	Value	Unit
<input type="checkbox"/> Accelerator Pedal Position Sensor	0	%
<input type="checkbox"/> Pressure Control Valve(Rail)	0	%
<input type="checkbox"/> Air Mass per Cylinder	0	mg/hub
<input type="checkbox"/> Barometric Pressure Sensor	1002	hPa
<input type="checkbox"/> Ignition Switch	LUT_ERR	-
<input type="checkbox"/> Accelerator Pedal Position Sensor-1 Voltage	0.00	V
<input type="checkbox"/> Accelerator Pedal Position Sensor-2 Voltage	0.00	V

Test Items (9)	Condition	Duration	Result
Injector #1 Actuation	IG.Key ON,Engine Running	[STOP]Stop button selected	
Injector #2 Actuation	IG.Key ON,Engine Running	[STOP]Stop button selected	
Injector #3 Actuation	IG.Key ON,Engine Running	[STOP]Stop button selected	
Injector #4 Actuation	IG.Key ON,Engine Running	[STOP]Stop button selected	
GRU (Glow Relay Unit) 15% Duty	IG. ON/ ENG.OFF ...	15 Sec	
Boost Pressure Actuator	IG. ON/	[STOP]Stop	

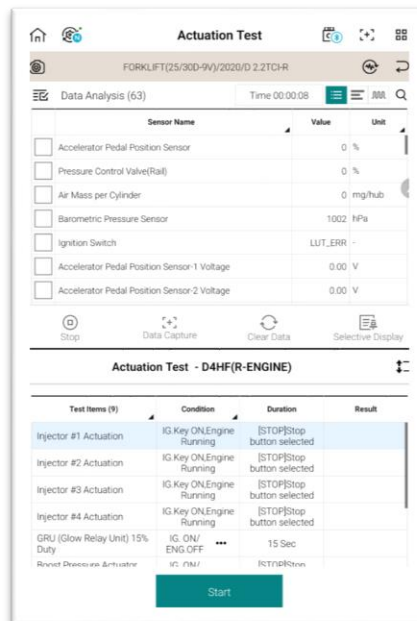
Start

Data Analysis Mode

It displays the input/output value of sensor data when the user performs Actuation Test

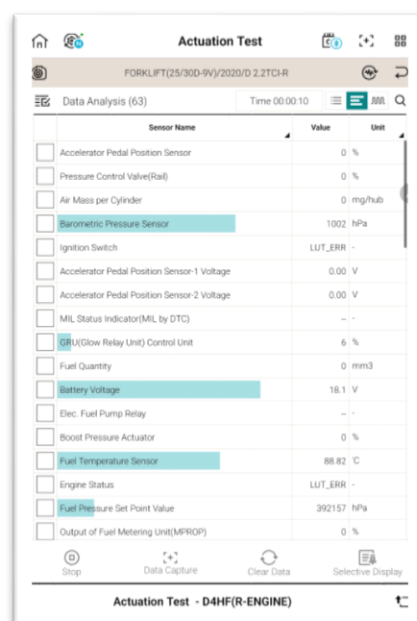
Text Mode

This indicates the sensor data as text format.



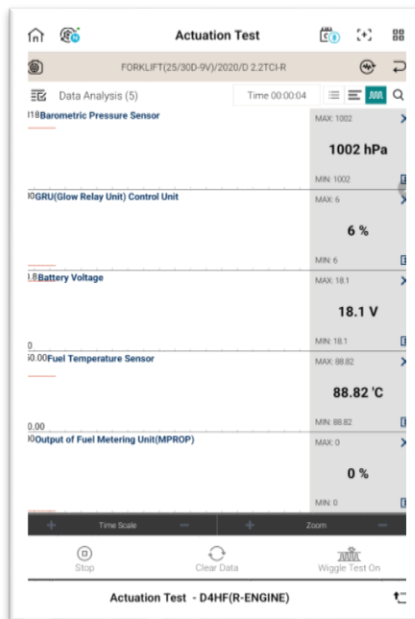
Bar Graph Mode

This indicates the sensor data as a bar graph format.



Graph Mode

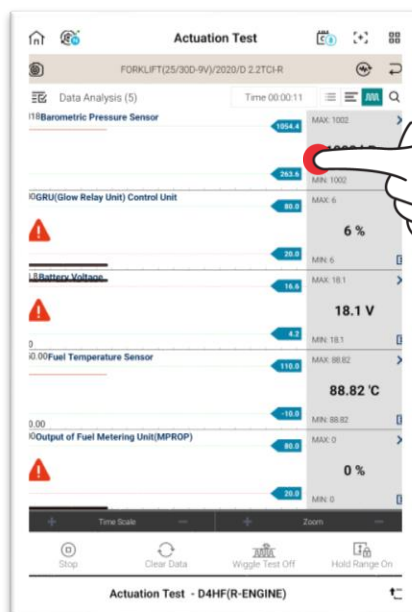
This indicates a selected sensor data as a graph format.




Graph Mode – Function Button

Wiggle Test On / Off

When Wiggle Test function is switched ON, the user can configure a desired data maximum/minimum value, and receive a notification if the sensor value exceeds or falls below the standard value.

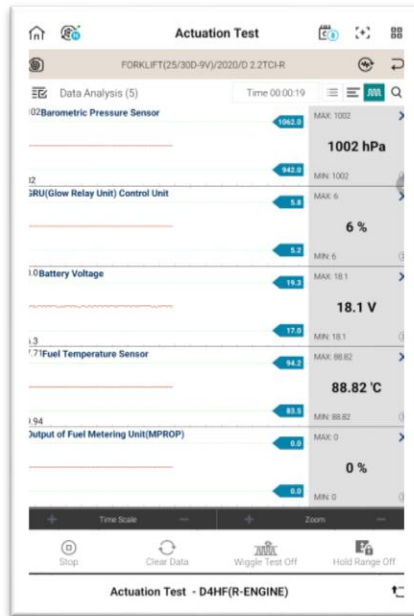


Configure the value by dragging the cursor.


 If you mute or volume is low, you may not hear an audible alarm.

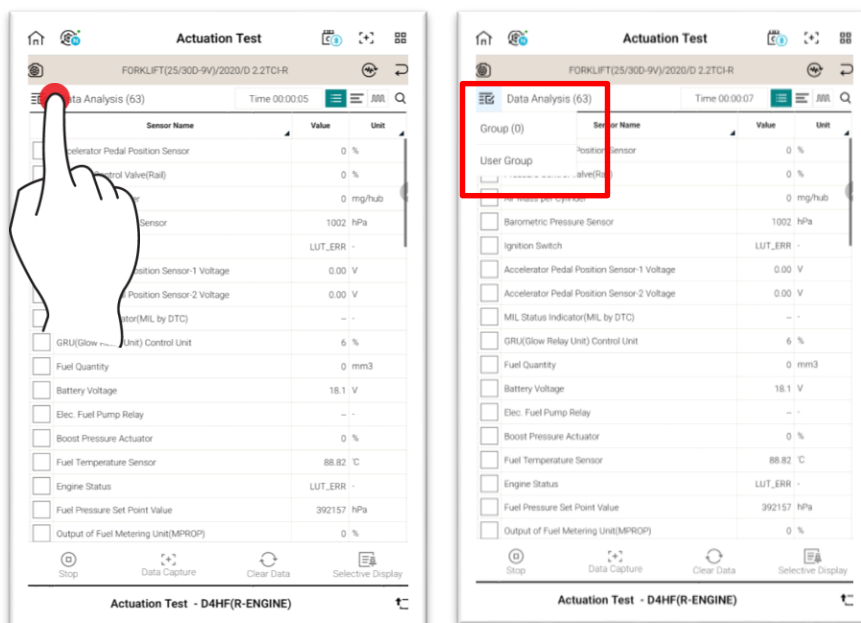
Wiggle Test On – Hold Range On

If Hold Range is switched ON, it only shows the sensor values that exceed or fall below the standard value.



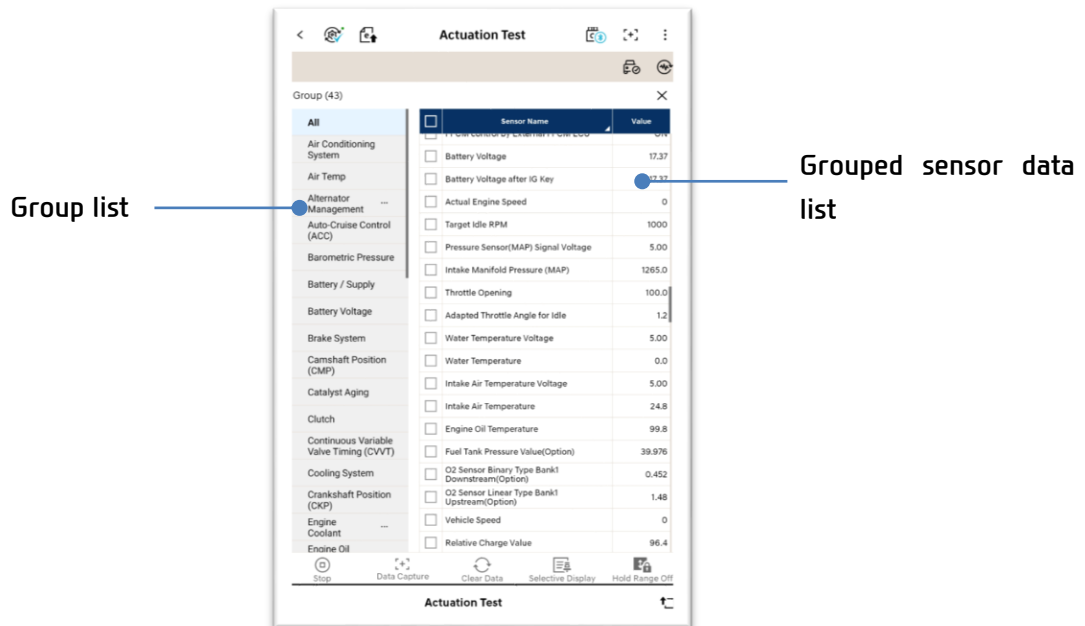
Group/User Group

Through  button on the top-left corner, the user can use Group/User Group function.



Group

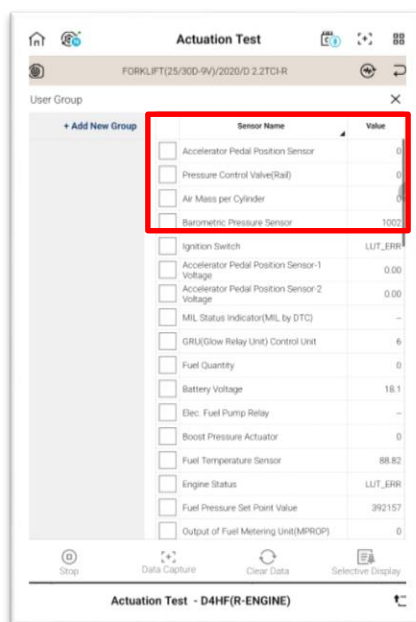
It forms a group of sensor data items to express only relevant data.



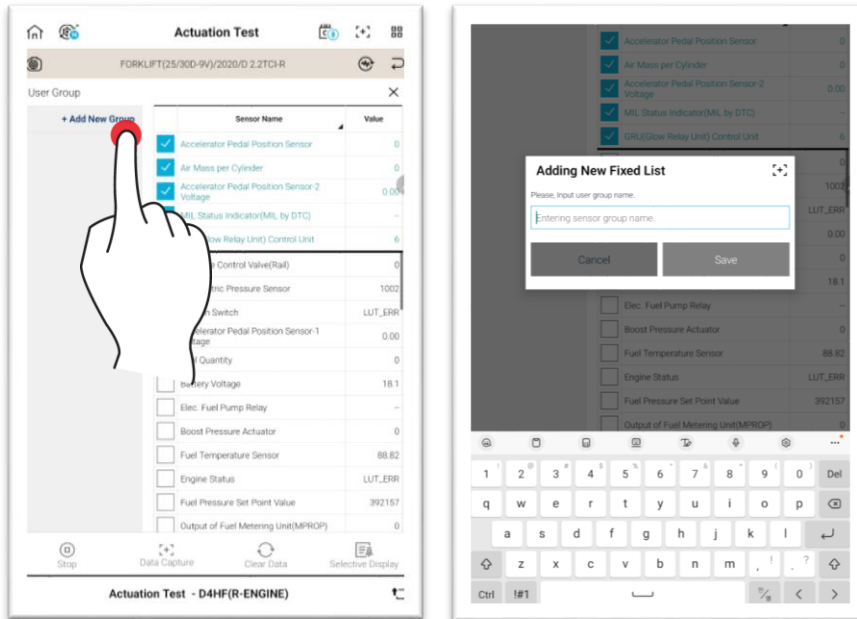
User Group

The user can form or edit a group of desired sensor data items.

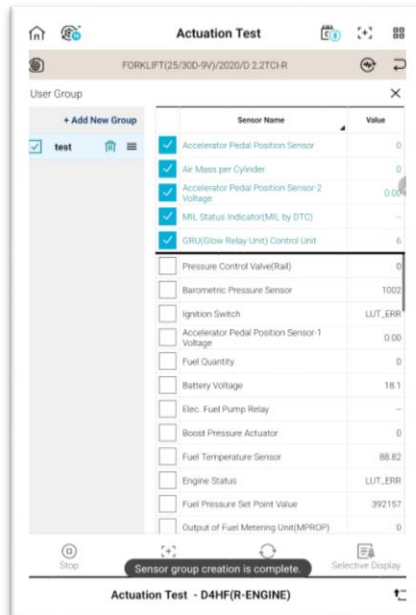
1. In User Group screen, select the sensor data items to be grouped.






2. Once selection of items is made, form a group through 'Add a New Group'.



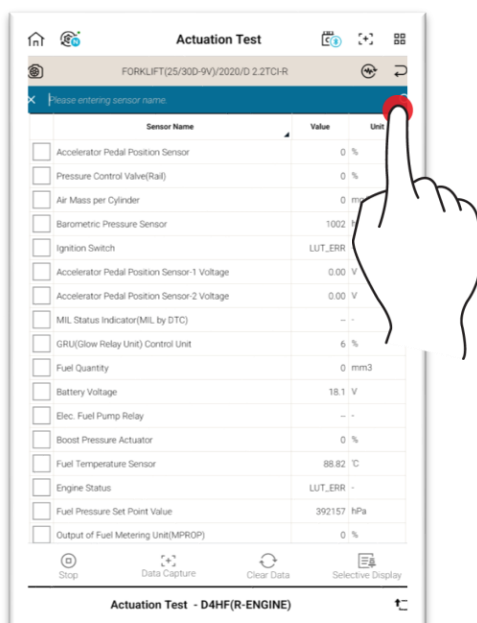
3. The group formation is completed.








		You can delete the formed group.
		You can change the group order.

Search

You can search the sensor data by entering a search word and touching .



Bottom Function Buttons

 Stop	This function collects sensor data values over a certain period of time, and stops the sensor data values. 'Start' and 'Stop' buttons operate in turn.
 Data Capture	This captures the sensor data screen.
 Clear Data	This initializes the collected sensor data values, and recollects them.
 Selective Display	This only shows the sensor values of the sensor data items, which were selected based on needs. The entire sensor data values are shown when Fixed Output function is turned off.
 Recorded Data	This function analyzes the saved sensor data file. This is linked to Saved Data Analysis function.