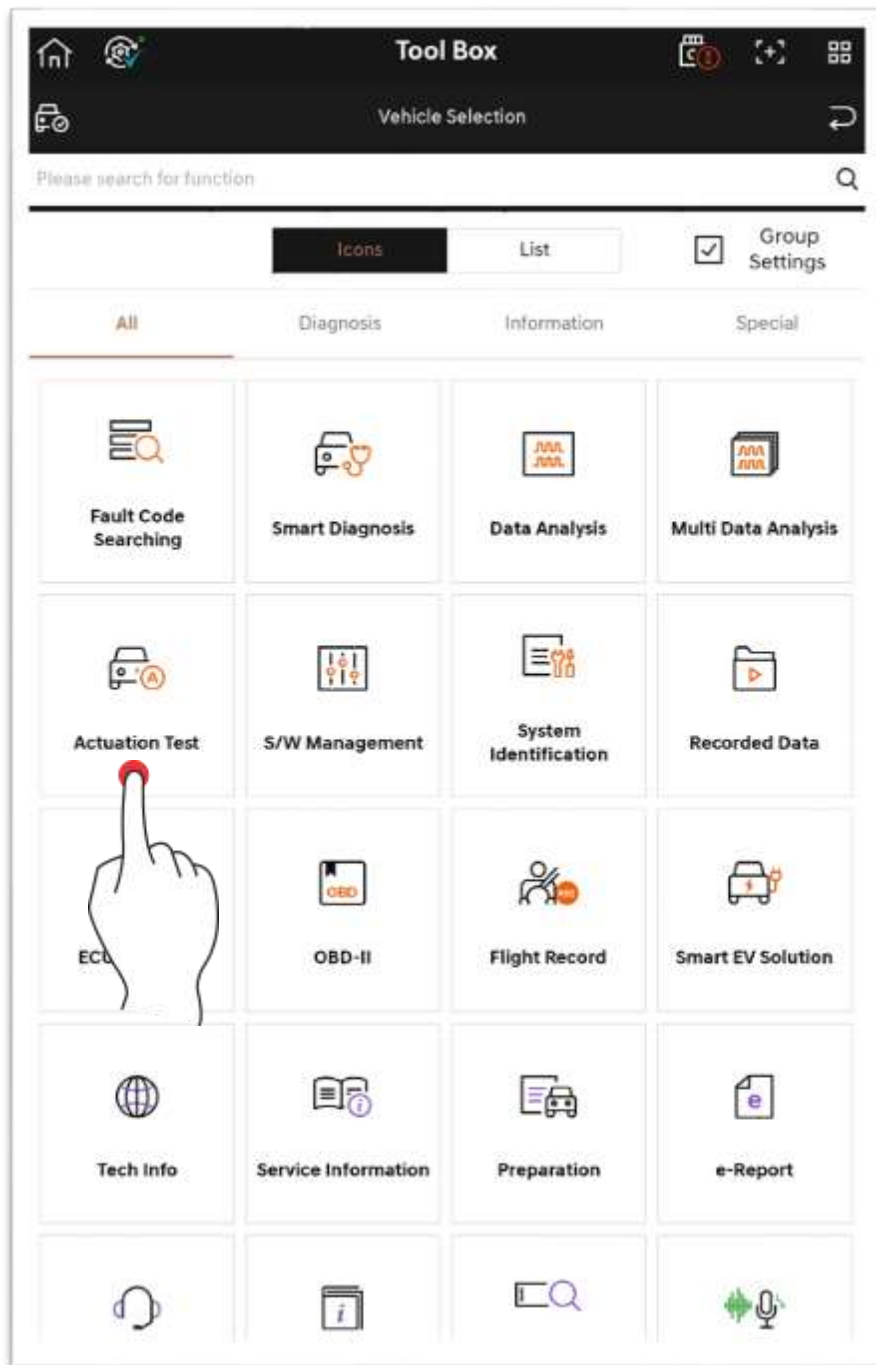


## Tool Box – Actuation Test

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 displays the 'Actuation Test' interface. At the top, there is a header bar with icons for home, settings, and data, and a title 'Actuation Test'. Below the header, a status bar shows 'Data Analysis (127)' and 'Time 00:01:13'. A red box highlights a table of sensors and a control bar below it.

<input type="checkbox"/>	Sensor Name	Value	Unit	Link Up
<input type="checkbox"/>	1 Variant Code	FF	-	
<input type="checkbox"/>	2 Optional Variant In-Line Code	0	-	
<input type="checkbox"/>	3 Engine Speed	0	RPM	
<input type="checkbox"/>	4 Vehicle Speed	0	km/h	
<input type="checkbox"/>	5 Absolute Throttle Position Sensor	0.0	%	
<input type="checkbox"/>	6 Shift Lever Position	-	-	
<input type="checkbox"/>	7 ECU Supply Voltage	0.0	V	
<input type="checkbox"/>	8 Front Left Wheel Speed	0	km/h	

Below the sensor table is a control bar with four buttons: 'Stop', 'Data Capture', 'Clear Data', and 'Selective Display'.

Below the control bar is a section titled 'Actuation Test' with a table of test items.

Test Items (25)	Condition	Duration	Result
Inlet Valve-Left Front	IG. ON	2 Sec	Operation Command Sent
Inlet Valve-Right Front	IG. ON	2 Sec	
Inlet Valve-Left Rear	IG. ON	2 Sec	
Inlet Valve-Right Rear	IG. ON	2 Sec	
Outlet Valve-Left Front	IG. ON	2 Sec	
Outlet Valve-Right Front	IG. ON	2 Sec	

Below the table is a 'Start' button. A red circle with the number '1' is placed over the 'Inlet Valve-Left Rear' item, and a red circle with the number '2' is placed over the 'Start' button.

## 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.



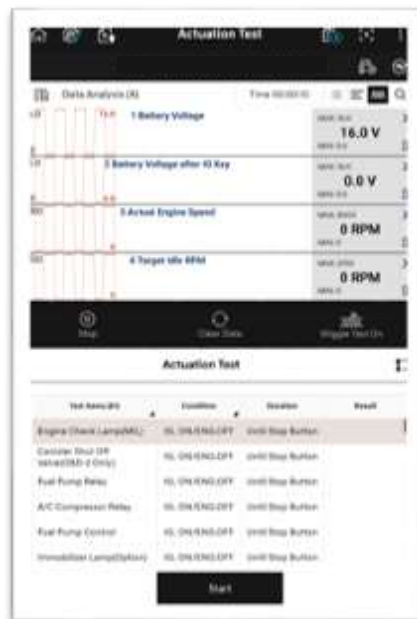
## Bar Graph Mode

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.

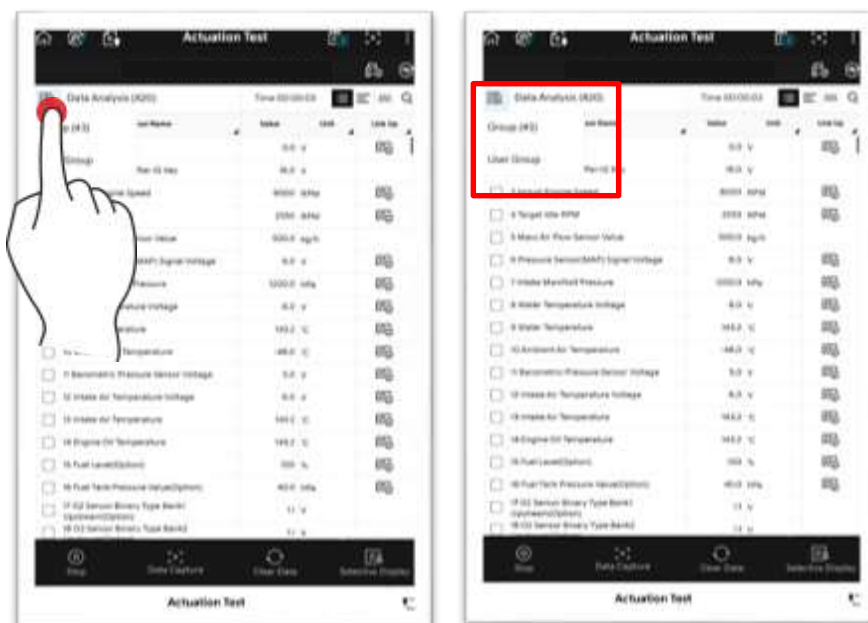
## Wiggle Test On – Hold Range On

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



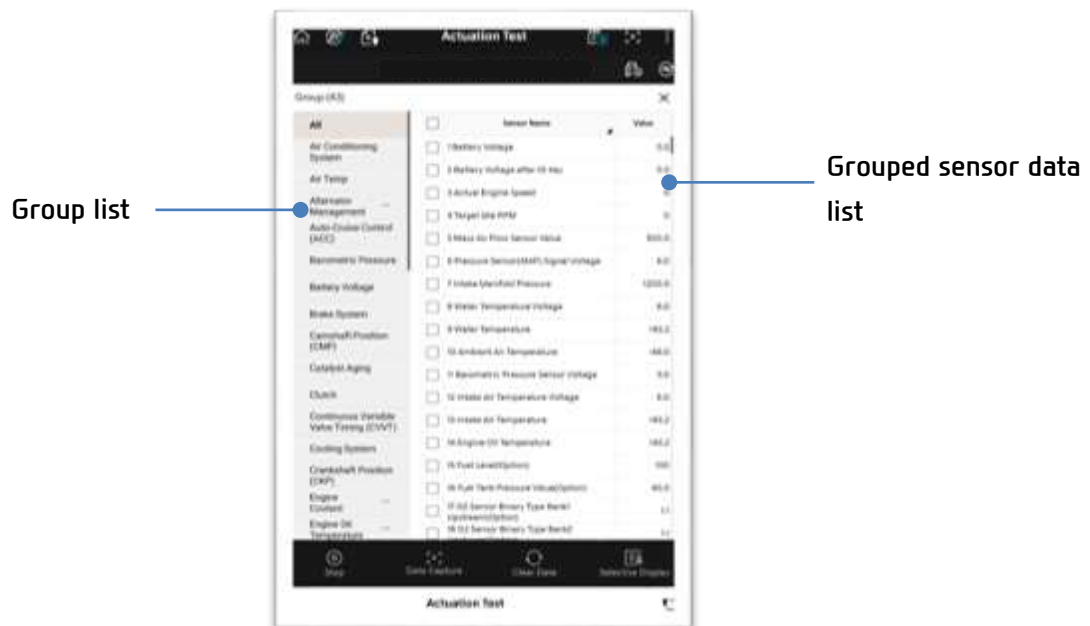
## Group/User Group

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



## Group

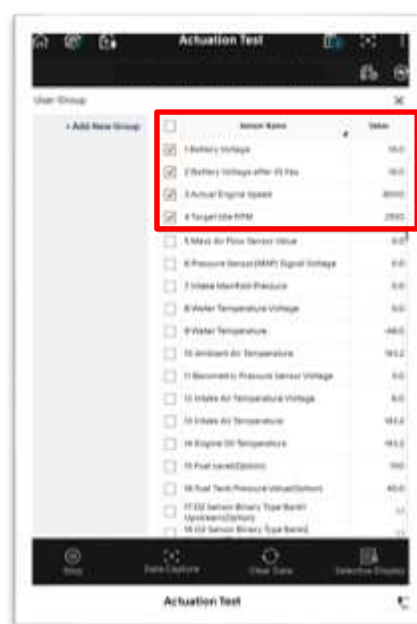
It forms a group of sensor data items to express only relevant data.



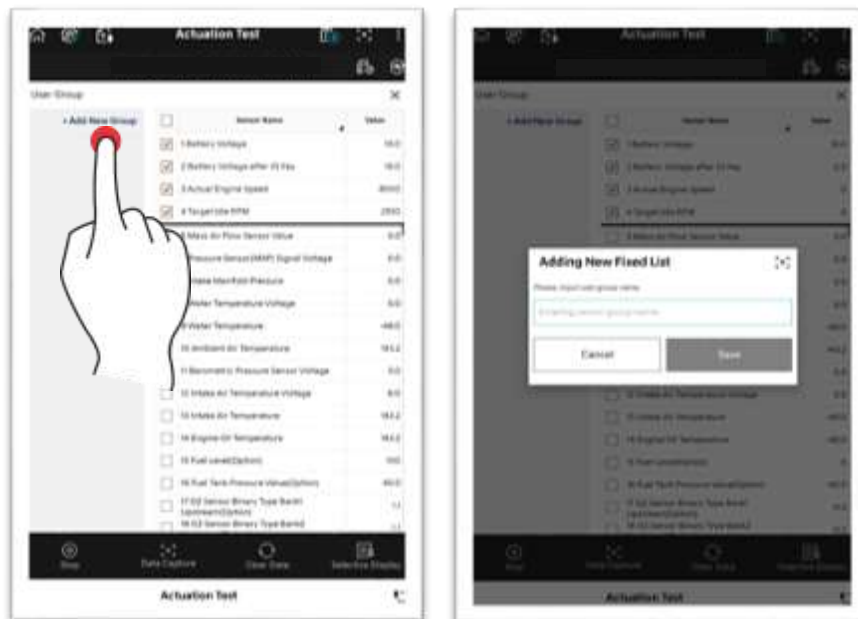
## User Group

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'.



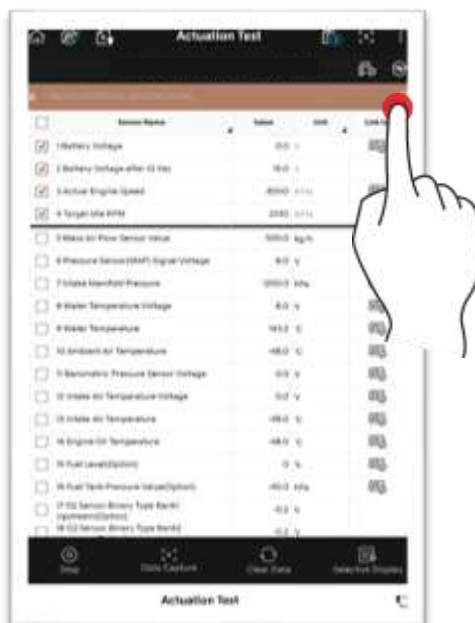
3. The group formation is completed.



		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 .







## Link-up

You can check the sensor information of the selected items by 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	<p>This only shows the sensor values of the sensor data items, which were selected based on needs.</p> <p>The entire sensor data values are shown when Fixed Output function is turned off.</p>

## Screen Control

1. You can spread or fold the screen by dragging  button upwards or downwards.



2. You can maximize/minimize the items in Graph Mode.

