



# **Blue Bird Instrumentation Operators Guide**

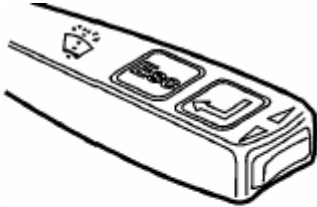


# I. INTRO

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## Display Windows

Menu navigation and option selection is done by pressing the Esc, Select, Up and Down buttons located in the stalk switch control lever. See Figures below

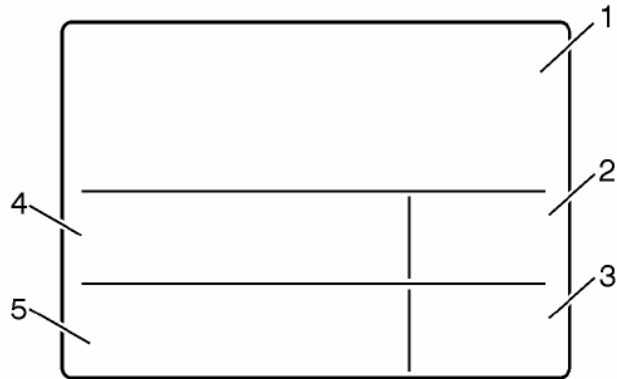


### Stalk switch control lever

- Esc (escape) is used to return to the pervious menu and cancel a setting operation
- $\downarrow$  Select is used to activate the highlighted option in the menu. Also it is used as the “enter” key.
- Up arrow moves the cursor up, also increments a numeric value during setting operations.
- Down arrow moves the cursor down, also decrements a numeric value during setting operations.



- Top Level**      Menu field
- Middle Level**    Favorite Display
- Bottom Level**    Status Bar and Odometer



W3005515

- 1    Driving Mode window
- 2    Clock window
- 3    Odometer window
- 4    Favorite Display window
- 5    Status window

**The data below will appear in the menu section of the Driving Mode (item #1 above)**

- Gauges
  - Fuel Data
  - Time- Distance
  - Display
  - Vehicle messages

**Status Icons in Status Window (item #5 above) will appear as described below**

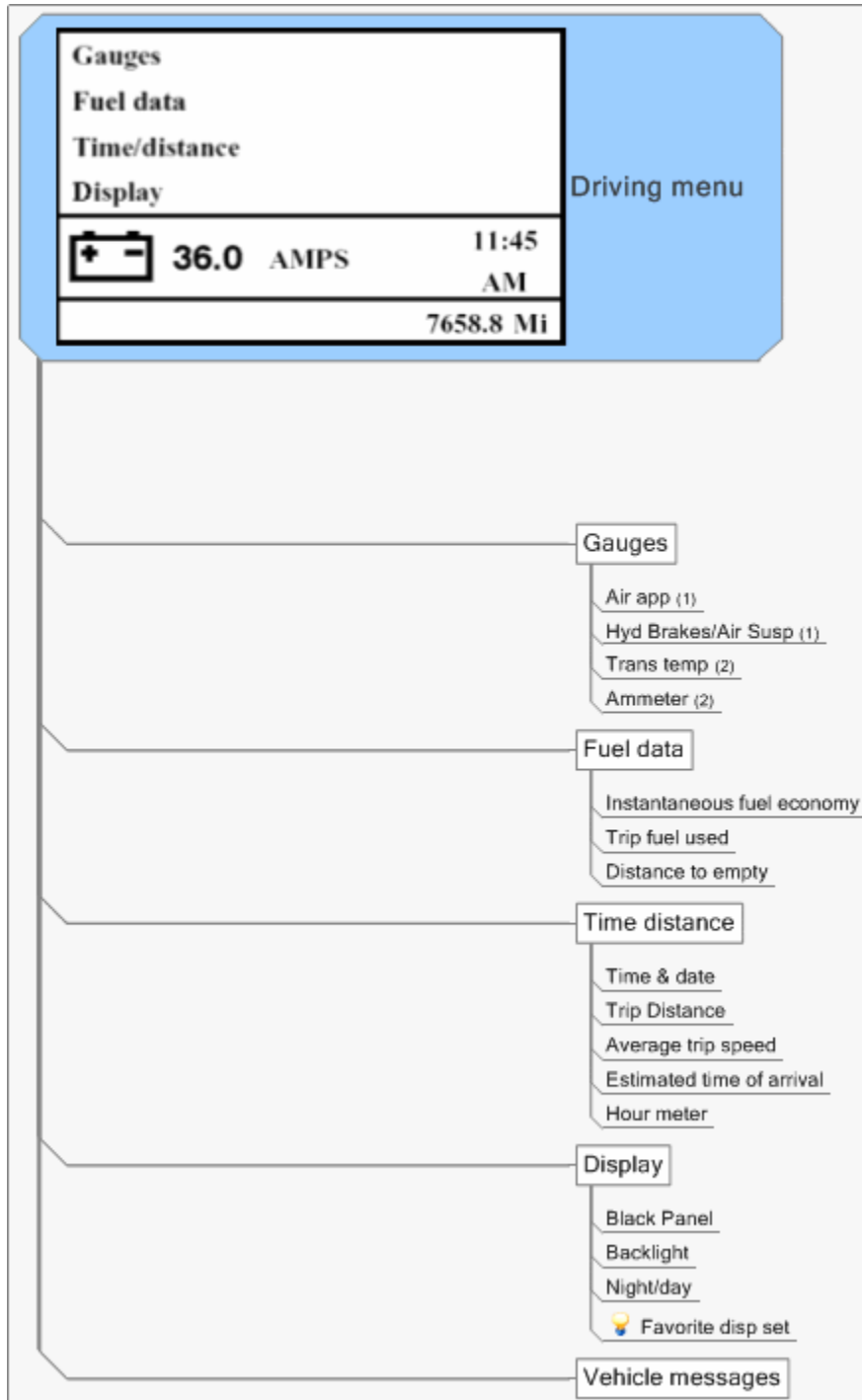
- CC**    Cruise control active
- ALT**    Alternator not charging
- ETC**    Electronic traction Control engaged
- REG**    Regeneration required
- EXH**    High Exhaust Temperature
- WIF**    Water In fuel

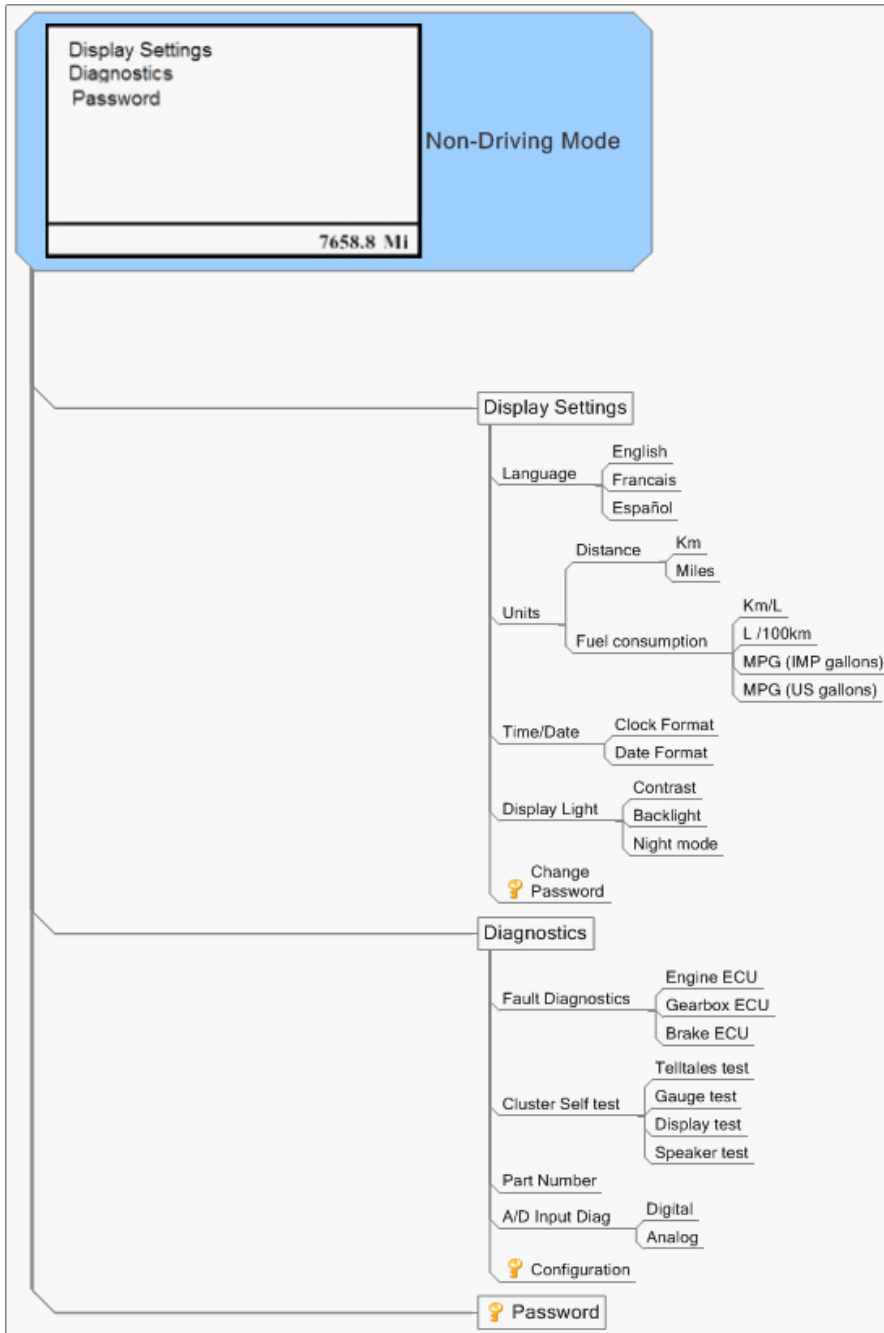


Information/Warning/Alarm Messages Active













## II. DID MENU TREE







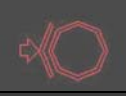









### III. DID ICONS DESCRIPTION



 TRNS TEMP	<p>Transmission Temperature. When transmission Temperature Exceeds set point Warning is enabled.</p>
 APP AIR	<p>Ammeter. Only on models programmed at assembly. Reads system Electrical current value</p>
<p>APP AIR</p>	<p>It shows AIR APPLICATION Pressure</p>
	<p>Air Suspension Indicates Pressure on Hydraulic brake models only. Not available on Air brake models. Suspension air on these models is read from Analogue sensor Transducer: Front.</p>
 mpg	<p>Miles per gallon. This option will present instantaneous and average fuel consumption received from the engine Alternate display of fuel consumption ( MPK liters/100km, Km/L) can be changed in non driving mode</p>
 mpg	<p>Distance to empty. This option will display the calculated distance that can still be traveled based on average fuel rate, fuel level and tank capacity. Tank capacity is programmed at assembly.</p>
 11:45 001013 AM	<p>Time and Date. This option will display current time and date. The select button is used to enter new settings. When a number is highlighted it can be decremented by the up down keys. The select key will advance selection to next subsequent section. Time &amp; Date will be formatted according to the selection done via Display Settings menu options in non driving mode.</p>
 mi      1      2	<p>Trip Odometers. This display may be deactivated at time of assembly configuration. If present values can be reset by pressing the select button when this item in the time distance menu is selected. Value range is 0 to 99999 mi or km, no decimal places are displayed. When the maximum displayed value is reached the trip odometer is set to zero.</p>
 mph      1      2	<p>Average Speed. This option will display average speed when this item in the time distance menu is selected. Toggle stalk switch to average speed. Both Values must be reset by pressing the select button</p>
	<p>Time of Arrival. When this item in the time distance menu is selected time of arrival will be calculated using average speed and the distance to be traveled. Distance to be traveled can be entered by pressing the select button And then decrement the stalk up down keys to the desired distance</p>
 104.6 Hr	<p>Engine Hours. When this option is selected in the time distance menu the cluster requests Hours message from the Engine Once the information is received it is displayed. With a resolution of tenths of an hour. In case the information is not received or it is not valid dashes will be shown.</p>







## IV. Telltale Icons & Description

Icon	Description
	Right Directional light Click may be disabled
	Left Directional Light Click may be disabled
	Active when hydraulic oil temperature is above set Point
	Active on Hydraulic brake units when a condition in system is out of range
	Active when brakes are applied. This
	Shift inhibit Indicator activated by transmission(the gear box)
	Indicator associated to the “amber light” status set by the gear box
	Active when engine is not ready to be started
	Active when fault exist in either Air or Hydraulic brake system
	Active when Park brake is set
	Active when transmission oil temperature set point is exceeded. Temperature value is shown in the DID
	Multiple events activate this telltale: <ol style="list-style-type: none"> <li>1) Time or distance for maintenance service is exceeded.</li> <li>2) Engine detects abnormal conditions as: low coolant level, high coolant temperature, low oil pressure and reports them via “amber lamp status” in the active diagnostic</li> </ol>



	trouble codes message.
	<p>Multiple events activate this telltale:</p> <ol style="list-style-type: none"> <li>1) Engine detects abnormal conditions as: low coolant level, high coolant temperature, low oil pressure and reports them via “red stop lamp status” in the active diagnostic trouble codes message</li> <li>2) Battery voltage is either High or low</li> <li>3) Low front or rear air brake pressure</li> <li>4) Transmission oil temperature set point is exceeded</li> </ol>
	Active when High beam lights are active

## Gauge Icons

<p>Air Pressure F &amp; R</p> 	Active when Pressure drops below 65 psi
<p>Voltmeter</p> 	Icon indicate voltage gauge In gauge Icon Inactive between 12 and 15.4 volts
<p>Coolant</p> 	Icon Indicates Coolant temp Gauge. In Gauge LED Active when Coolant temperature exceeds 230° F
<p>Engine Oil Pressure</p> 	Icon Indicates oil pressure gauge. In Gauge LED Active when PSI drops below set point





## V. How to set up Fuel Tank Capacity

From the Diagnostics Menu:

1. Select Configuration Menu
2. It will ask for a 4 digit Password
3. Insert 2290
4. Select Configuration
5. Scroll down at the bottom
6. Select <FUEL TANK>
7. Check fuel tank capacity option as desired (check 60 or 100)
8. Press ENTER
9. Press ESCAPE
10. Turn Ignition OFF
11. Turn Ignition ON

