



# How to Access Fault Codes Using Your Blue Bird Dash

## Tech Tip #19-0110



### You Don't Necessarily Need Expensive LapTop or Software

All of us have had a **C**heck **E**ngine **L**ight pop up and a driver call to let us know....we then go to our tool box, make sure the computer battery is charged look for the proper datalink and go to see what the issue is –

Did you know with a Blue Bird, it is possible to go out to the bus, scroll through the menu on the dash, get the code that was set and then take the pen from your pocket and write the code on the palm of your hand.....go back inside the shop and research the required repair?

Personally I think we all know it is possible, but which one of those buttons do you push and it is NOT just for the engine but transmission and ABS Brakes as well!

Well funny you should ask as Blue Bird has a nice little booklet to follow when you are trying to get diagnostic codes.....and it is attached!

**PLEASE NOTE – Diagnostic codes help our Techs work with you to troubleshoot the cause of the lights and buzzers so if you can easily retrieve them and let us know what they are we can help get units back in service quickly!**

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**BLUE BIRD**

## Viewing Dash Displayed Fault Codes

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**NOTE: General fault code descriptions can be viewed on the Blue Bird Vantage website below. Enter the dash displayed fault code identifier and failure mode number(s).**

<https://vantage.blue-bird.com/Portal/dashFaultCodes.aspx>

**NOTE: Select Powertrain for the Ford engine, and transmission. Only supported with the Ametek instrument cluster. All others require a standard OBD II scanner or Ford software (IDS) to view fault codes.**

**NOTE: On the GM engine, and CleanFuelUSA fuel system, a GM TECH II or equivalent is required to view fault codes.**

**NOTE: Additional fault code troubleshooting information is available on the engine, transmission, and ABS manufacturer websites.**

<https://qsol2.cummins.com/info/index.html>

<http://www.roushcleantech.com/service>

<http://www.allisontransmissionpublications.com/>

<http://www.bendix.com/en/>

<http://www.meritorwabco.com/>

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# Viewing Fault Codes Ametek Dash Cluster



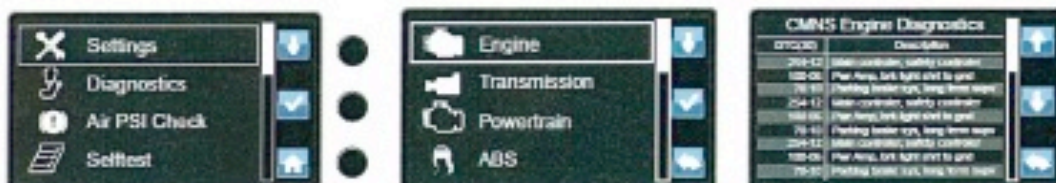
Ametek Settings and Diagnostics

Buttons

Access this menu by setting the Park Brake and then from the Drive Mode screen press the BOTTOM button and hold for more than 3 seconds or until the menu appears. Press the top button to move or toggle the selection box through the list as indicated by the softkey arrows. The item in the selection box will be selected when the middle button is pressed (as indicated by the softkey checkmark). To return to the Drive Mode screen, press the bottom button as indicated by the softkey home or home screen. This menu will auto exit to the Drive Mode screen after a 10 second time-out with no activity. If Park Brake is released, the display will return to the Drive Mode screen.

## Diagnostics

Selecting the Diagnostics menu will display the following introduction screen allowing the selection of Engine, Transmission, Powertrain or ABS diagnostics. Pressing the bottom button will exit to the previous screen.



**Engine Diagnostic.** Selecting the Engine menu will display the engines DTC's (Diagnostic Trouble Codes) in a format dependent on engine type. Engine Type and number of active DTC's is located in the upper left corner. Press the bottom button to exit to the previous screen. Cummins will display as CMNS. The Engine Diagnostics screen displays the Suspect Parameter Number (SPN) and the Failure Model Identifier (FMI) as received from the engine for active faults through the J1539 data communication line. The example graphic shown in the right side margin displays Cummins active DTC's and a brief text description of that fault.



# Viewing Fault Codes Actia Dash Cluster

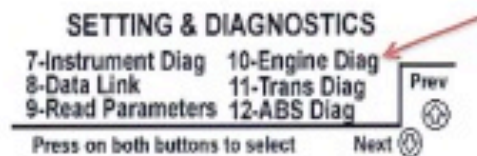
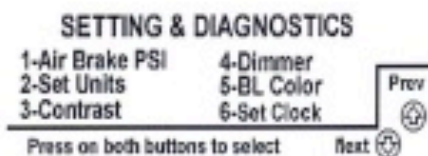


Lower Button

Upper Button

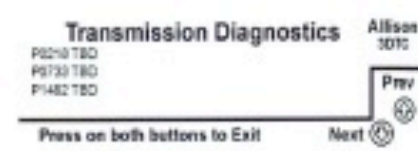
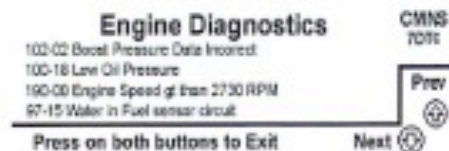
## SETTINGS AND DIAGNOSTIC MENU

Access this menu by setting the park brake and then from the Drive Mode Screen press the lower button for >5 seconds. Use the upper and lower button to scroll the menu. Highlighted items can be selected by pressing both of the buttons together.



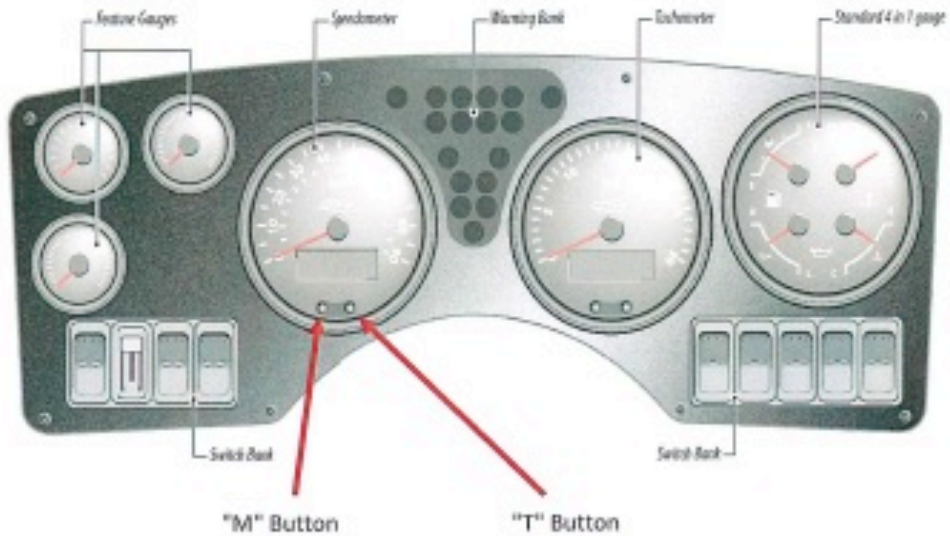
When selected the screen displays the active fault code(s).

Example:



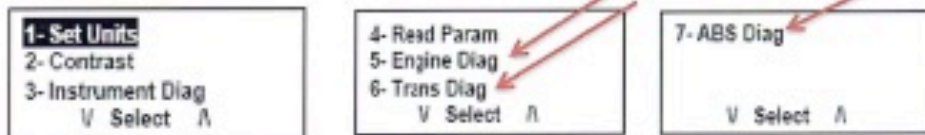
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# Viewing Fault Codes Actia Dash Speedometer



## SETTINGS AND DIAGNOSTIC MENU

Access this menu by setting the park brake and then from the Drive Mode Screen press the "M" button for >5 seconds. Use the "M" and "T" button to scroll the menu. Highlighted items can be selected by pressing both of the buttons together.



When selected the screen displays the active fault code(s). Example:



# Viewing Fault Codes Stoneridge Dash Cluster



## DIAGNOSTIC MENU

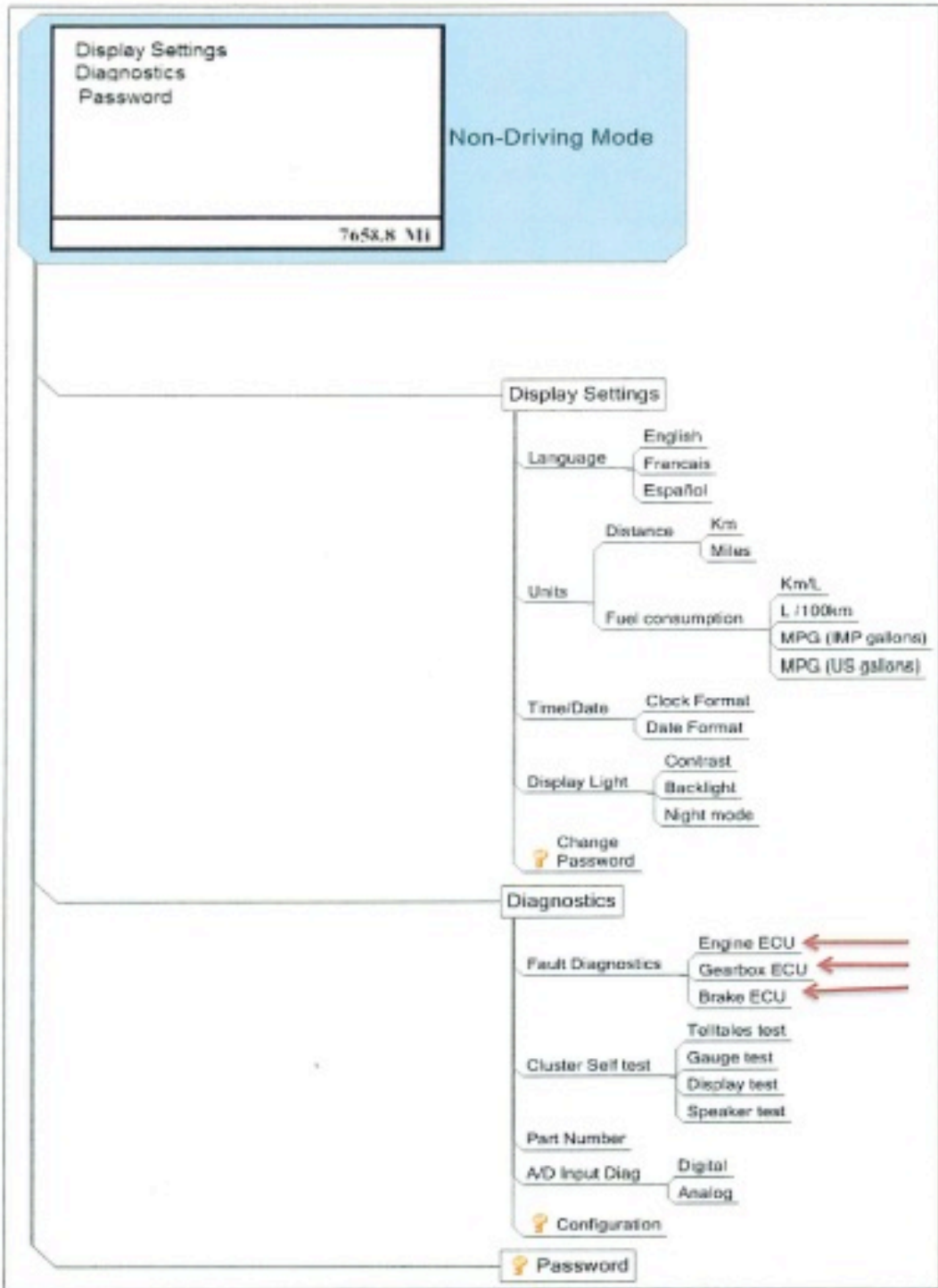
Menu navigation and option selection is done by pressing the Esc, Select, Up and Down buttons located in the stalk switch control lever. See Figures below



Stalk switch control lever

- Esc (escape) is used to return to the previous menu and cancel a setting operation
- <| 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.

When selected the screen displays the active fault code(s).



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