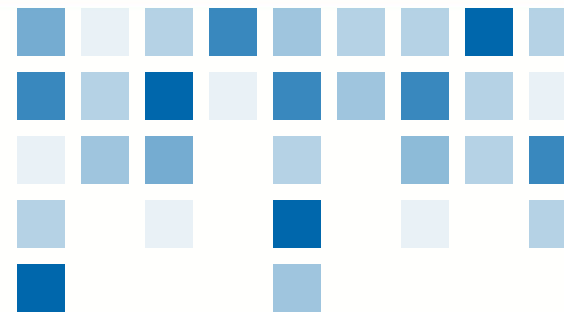
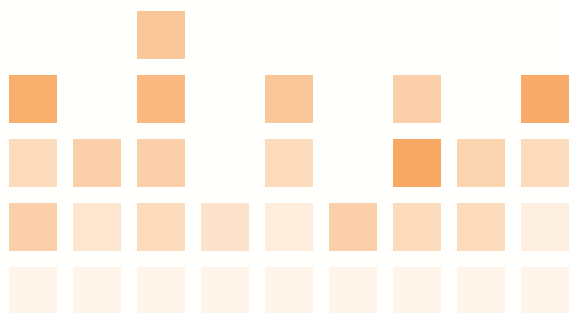




SHACMAN 汽车电器知识培训

F2000-F3000

陕汽进出口公司服务部培训科



第二十三课 组合仪表功能设置详解

1、德龙电控CAN仪表：

Delong Electronic Control CAN Instrument Cluster

零件号：DZ93189584140，名称：组合仪表（电控发动机、CAN）。

应用车型：德龙F2000/F3000国三/国四（非牵引车、中联、徐工等大客户除外）、天然气车型、康明斯车型（国内）。

车速拨码在组合仪表背面的8位拨码开关进行设置，发动机模式在仪表液晶上进行设置。

Part number: DZ93189584140, Name: Instrument Cluster (Electronic Control Engine, CAN).

Applicable models: Delong F2000/F3000 Euro III/Euro IV (excluding non-tractor vehicles, large clients such as Zoomlion, and XCMG), natural gas vehicles, and Cummins vehicles (domestic).

The speed dip switch is set using the 8-position dip switch on the back of the instrument cluster. The engine mode is set on the instrument cluster's LCD screen.

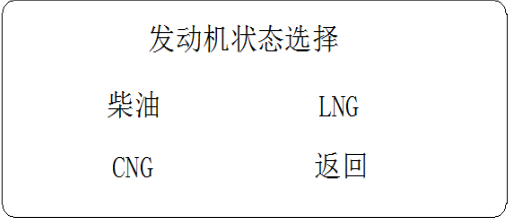


发动机模式设置界面：

先按住仪表上左边按钮不放，然后启动钥匙电源，左按钮超过2s以上松开仪表，液晶显示屏进入“发动机状态选择”显示界面，如图1-1所示：

Engine Mode Setting Interface: Press and hold the left button on the instrument cluster. Turn on the ignition key power. Release the left button after holding it for more than 2 seconds. The LCD screen will enter the "Engine Mode Selection" display interface, as shown in Figure 1-1.

图1-1



在该界面下，短按左键（ $\leq 2s$ ，下同），“柴油”、“LNG”、“CNG”、“返回”依次闪烁。当需要选择的状态闪烁时（以CNG为例），长按右键（ $> 2s$ ，下同），该状态被保存，界面跳转到图1-2所示，则发动机状态修改被保存。若“返回”闪烁时，长按右键，则跳转到图1-3所示，需要按住左键重新启动钥匙电源进入发动机模式选择。当“柴油”闪烁时，长按右键，则跳转到如图1-4的界面，同时“潍柴”闪烁，短按左键，“潍柴”、“康明斯”、“退出”依次闪烁，当需要选择的状态闪烁时，长按右键，该状态被保存（以潍柴为例）液晶显示“发动机状态被确认，当前为潍柴柴油发动机”。

In this interface, short press the left button (≤ 2 seconds, same below), and "Diesel," "LNG," "CNG," and "Return" will flash in sequence. When the desired state flashes (e.g., CNG), long press the right button (> 2 seconds, same below), and the state will be saved. The interface will then jump to that shown in Figure 1-2, indicating the engine state change has been saved.

If "Return" is flashing, long press the right button to jump to the interface shown in Figure 1-3. You need to hold the left button and restart the ignition to enter the engine mode selection again. When "Diesel" flashes, long press the right button to jump to the interface shown in Figure 1-4. In this interface, "Weichai" will flash. Short press the left button to cycle through "Weichai," "Cummins," and "Exit." When the desired state flashes, long press the right button to save the state (e.g., Weichai). The LCD will display "Engine state confirmed, currently Weichai diesel engine."



当“退出”闪烁时，长按右键，返回上一级菜单图1-1。发动机模式确认好后，仪表自动复位，同时液晶显示图1-5，3s后显示正常界面。之后如重新启动钥匙电源，则液晶先显示图1-5的界面，3s后进入正常界面。

When "Exit" is flashing, long press the right button to return to the previous menu shown in Figure 1-1. Once the engine mode is confirmed, the instrument will automatically reset, and the LCD will display the interface shown in Figure 1-5. After 3 seconds, it will switch to the normal display. If the ignition is restarted, the LCD will first show the interface in Figure 1-5 for 3 seconds before entering the normal display.

Let's examine the new image you've uploaded.

图1-2

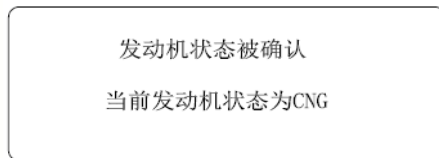


图1-3

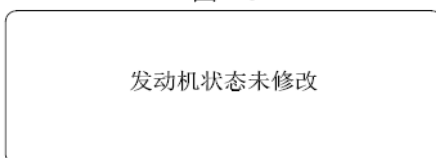


图1-4

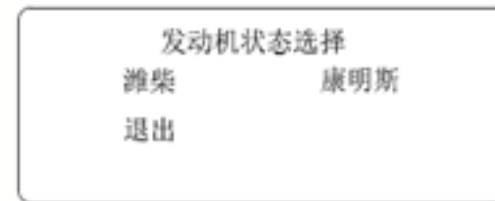
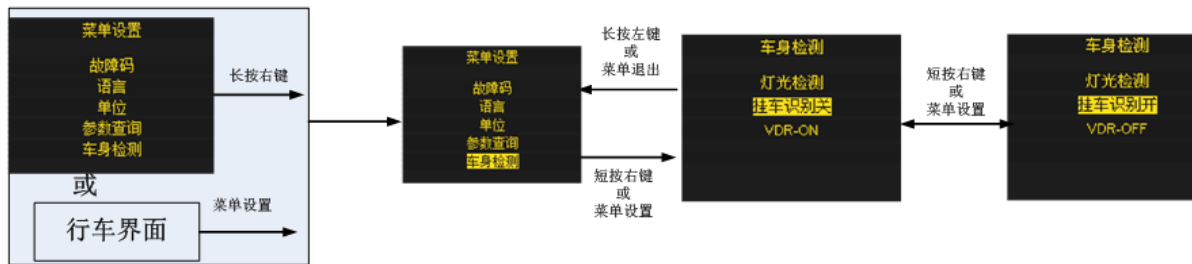


图1-5



2、挂车LED灯设置方法：



在菜单中选择“挂车识别开”，打开转向灯，仪表上同时显示挂车LED灯，见下图。

In the menu, select "Trailer Identification On" and turn on the indicator. The instrument panel will display the trailer LED indicator as shown in the figure below.



控制实现方式：车身控制器BCM检测挂车转向灯功率，当检测的功率达到设定值时，车身控制器给组合仪表发送挂车信号，仪表控制挂车转向灯闪烁。

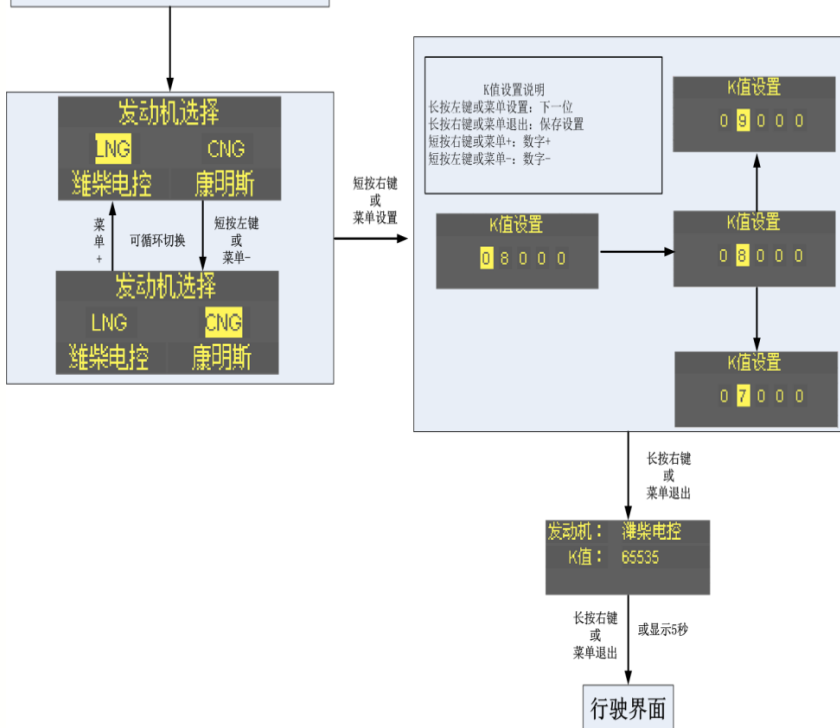
Control Implementation: The Body Control Module (BCM) detects the power of the trailer's indicator lights. When the detected power reaches the set value, the BCM sends a trailer signal to the combination instrument. The instrument then controls the flashing of the trailer indicator light.



说明:

如果在设置过程中选择模式错误, 请断钥匙电源, 重新按住左键, 上钥匙电进入发动机选择页面。

1. 按住左键, 点火进入发动机选择页面
2. 当前反显的发动机为存储在仪表存储器中的发动机类型



3 、车速表K值、发动机模式在组合仪表液晶上设置方法:

与大多数仪表设置方法相同, 先按住左键, 打开钥匙开关, 可短按左键选择, 长按右键保存设置或菜单退出。

Setting the Speedometer K Value and Engine Mode on the Combination Instrument LCD:

To set the speedometer K value and engine mode on the combination instrument LCD, follow these steps, similar to most instrument setting methods:

Press and hold the left button.

Turn on the ignition switch.

You can short press the left button to make selections.

Long press the right button to save the settings or exit the menu.

