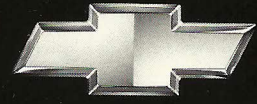


2009



GMC

DURAMAX DIESEL



Driver Information Center (DIC)

DIC Warnings and Messages

The Driver Information Center (DIC) is located on the instrument panel above the steering wheel. The DIC comes on when the ignition is on.

If a problem is detected, a warning message will appear on the display. Pressing the select button or the set/reset button on the DIC buttons, or the trip odometer reset stem for vehicles without DIC steering wheel buttons, will acknowledge some current warning or service messages.

Some messages that your DURAMAX[®] diesel may show are:

CHANGE FUEL FILTER

This message will appear on the DIC for 10 seconds when a fuel filter change is required. See *Fuel Filter Replacement* on page 4-14 for more information.

CLEAN EXHAUST FILTER SEE OWNERS MANUAL NOW

This message will appear on the DIC when an exhaust particulate filter cleaning is required. To clean the filter, drive the vehicle above 30 mph (50 km/h) until the warning message goes off. This will take about 20 minutes.

If the filter is not cleaned, this message will be displayed and a chime will also sound. Vehicle performance will be limited. See *Diesel Particulate Filter* on page 1-13 for more information.

COOLANT LEVEL LOW ADD COOLANT

Notice: Engine damage from running your engine without coolant is not covered by your warranty. See "Overheated Engine Protection Operating Mode" in the Index of your owner's manual for information on driving to a safe place in an emergency.

If your vehicle has a low coolant level sensor, this message will appear on the DIC if the engine coolant level is low. Adding coolant to the coolant recovery tank will clear the message. See Cooling System in the owner's manual Index.

###% FUEL FILTER LIFE REMAINING (Pickup Models)

To access this display, the vehicle must be in PARK (P). If your vehicle has DIC buttons, press the vehicle information button until FUEL FILTER LIFE REMAINING displays. If your vehicle does not have DIC buttons, press the trip stem until FUEL FILTER LIFE REMAINING displays. This display shows an estimate of the fuel filter's remaining useful life. If you see 90% FUEL FILTER LIFE REMAINING on the display, it means 90% of the current fuel filter life remains. The fuel filter life system will alert you to change your fuel filter on a schedule consistent with your driving conditions.

When the remaining fuel filter life is low, the CHANGE FUEL FILTER message will appear on the display. You should change your fuel filter as soon as you can.

FUEL FILTER LIFE RESET (Pickup Models)

You must reset the FUEL FILTER LIFE REMAINING display after each fuel filter change. It will not reset itself. Also, be careful not to reset the FUEL FILTER LIFE REMAINING display at any time other than when the fuel filter has just been changed because it cannot be reset accurately until the next fuel filter change. The fuel filter life will change to 100% when the system has been reset. To reset the system, press and hold the set/reset button, or the trip stem if there are no DIC

buttons, for two seconds while ###% FUEL FILTER LIFE REMAINING is displayed on the DIC. For more information on DIC Vehicle Customization, see "Driver Information Center (DIC)" in your owner manual.

ENGINE POWER IS REDUCED

A computer monitors the operation of the electric accelerator. If the ENGINE POWER IS REDUCED message comes on while you are driving, the computer is indicating that your vehicle has a problem. You should take your vehicle in for service very soon.

SHIFT INHIBITED SELECT N TO RESET (Pickup Models)

If the transmission is unable to shift into a selected gear, this message will appear on the DIC. The electronic shift position indicator on the instrument panel cluster may blink when this occurs. To make the vehicle shift to the requested gear, you may have to shift back to PARK (P) or NEUTRAL (N) and re-select the desired gear.

WATER IN FUEL SERVICE REQUIRED

This message will come on to warn you if there is water in the diesel fuel system. For more information on how this message works, see *Diesel Fuel Requirements and Fuel System* on page 4-3.

Water in Fuel

CAUTION:

Diesel fuel containing water is still flammable. You could be burned. If you ever try to drain water from the fuel, keep sparks, flames, and smoking materials away from the mixture.

Notice: If there is water in the diesel fuel and the weather is warm or humid, fungus and bacteria can grow in the fuel. They can damage the fuel system and fuel operated heater (FOH) (if equipped). A diesel fuel biocide can be used to sterilize the fuel system. However, the fuel system may still need to be cleaned. Your dealer/retailer can advise you of the appropriate solution.

If the fuel tank needs to be purged to remove water, see your dealer/retailer or a qualified technician. Improper purging can damage the fuel system and block the FOH.

Sometimes, water can be pumped into the fuel tank along with the diesel fuel. This can happen if a service station does not regularly inspect and clean its fuel tanks, or if it gets contaminated fuel from its suppliers.

If this happens on a pickup model, a WATER IN FUEL message will appear on the Driver Information Center (DIC). The water must be drained.

If this happens on a van model, a WATER IN FUEL warning light will appear on the instrument panel cluster. The water must be drained from both chassis mounted fuel filters. See your dealer/retailer for how to do this.

Water in Fuel Light Chart

If the WATER IN FUEL DIC message or water in fuel warning light comes on, use this chart.

Problem	Recommended Action
Light/Message comes on intermittently.	Drain water the fuel filter. When there is no more water, recheck the light/message on the next ignition cycle. If the light/message stays on with no water in the fuel, take the vehicle in for service.
Light/Message stays on:	
<ul style="list-style-type: none"> At temperatures above freezing. 	Drain fuel filter immediately. If no water can be drained and light stays on, see your dealer/retailer for assistance.

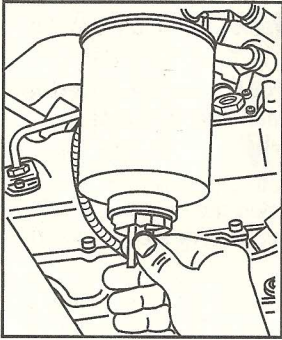
Problem	Recommended Action
<ul style="list-style-type: none"> At temperatures below freezing. 	Drain fuel filter immediately. If no water can be drained, water may be frozen in water drain system or fuel lines. Move the vehicle to a warm location to thaw out, and then drain filter system.
<ul style="list-style-type: none"> Immediately after refueling, large amount of water possibly pumped into fuel tank. 	Fuel tank purging required. See your dealer/retailer for assistance.

Notice: Driving when this warning indicator is on, can damage the fuel injection system and the engine. If the indicator comes on right after a refuel, it means water was pumped into the fuel tank. Turn off the engine immediately. Then, have the water drained at once.

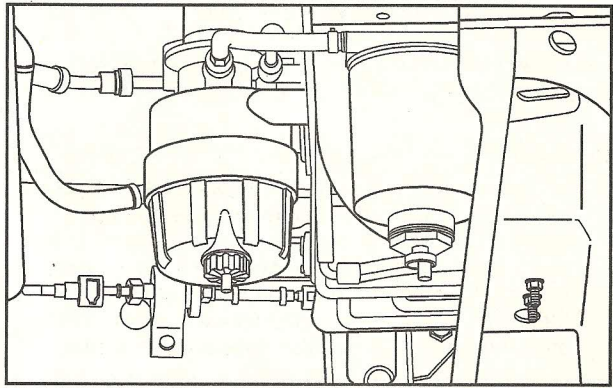
Hard starting, hesitation, or flat performance at high speed or during hard acceleration may be an indication of premature fuel filter plugging due to dirty or contaminated fuel. The filter element may need to be changed if this happens. See *Fuel Filter Replacement* on page 4-14.

To drain water:

1. Stop and park the vehicle in a safe place.
Turn off the engine and apply the parking brake.
2. Remove the fuel cap.
3. Place a fuel-resistant container under the fuel filter(s). For pickup models, the filter drain valve is located in the engine compartment, on the passenger side of the vehicle, on the bottom of the fuel filter. For van models, the filter drain valves for the primary and secondary fuel filters are located in the chassis (inside frame rail) compartment. They are on the driver side of the vehicle, below the fuel filters.



4. For pickup models, open the drain valve by turning it two to three turns.



5. Pump the primer until all of the water has been removed. When fuel empties from the valve, all the water has been drained. Close the valve hand tight.

For van models, in order to drain the water from the system, you will have to repeat the operation for the primary and secondary fuel filters.