

Volvo Enhanced Cruise

Provides additional warning/intervention ...



Volvo Enhanced Cruise

... especially when cars pull in front of you!



Volvo Enhanced Cruise

How VEC helps the driver:

- Uses following time (seconds) to determine whether truck is too close to vehicle in lane ahead.
- Different levels of support (intervention) depending on whether VEC is “on” or “off.”



Volvo Enhanced Cruise

With VEC “on” (vehicle in cruise):

- Reduces fuel to the engine to reduce engine speed and increase following distance
- Applies engine brake (if needed)
- Applies up to 30% of foundation brakes (if needed)
- Deactivates cruise

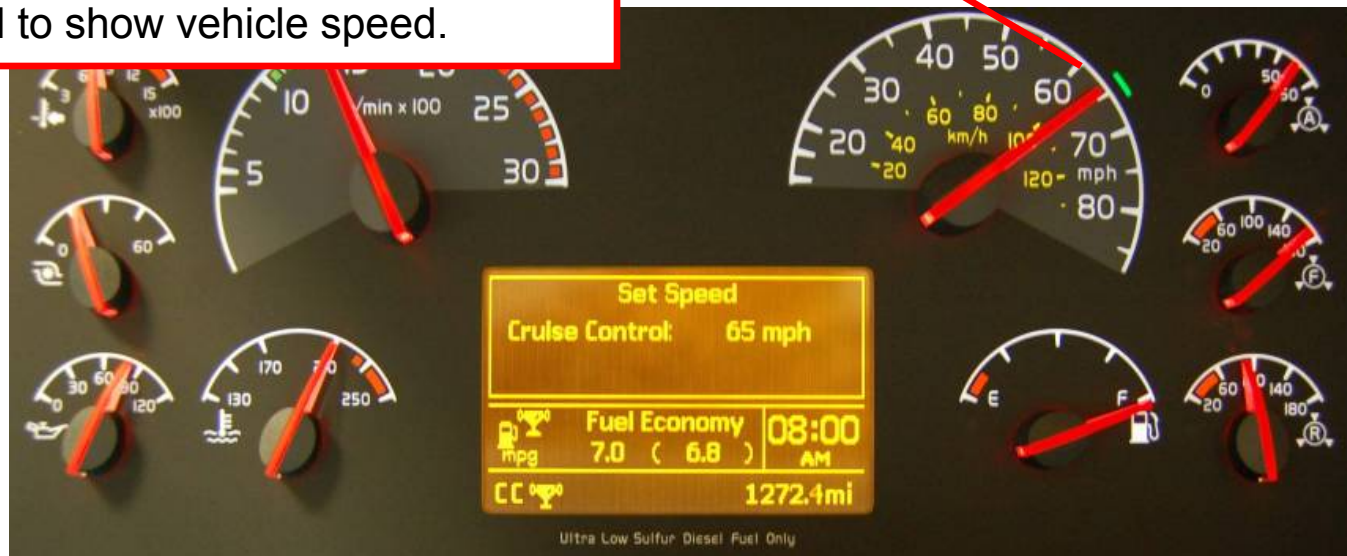


Volvo Enhanced Cruise

(Cruise ON)

What the driver sees and hears:

Vehicle has just been placed in cruise. Set cruise speed is confirmed in the DID, and a green indicator appears on the speed bezel to show vehicle speed.



Volvo Enhanced Cruise

(Cruise ON)



A "target" has been identified (vehicle in lane ahead); VEC is tracking that vehicle and speed.

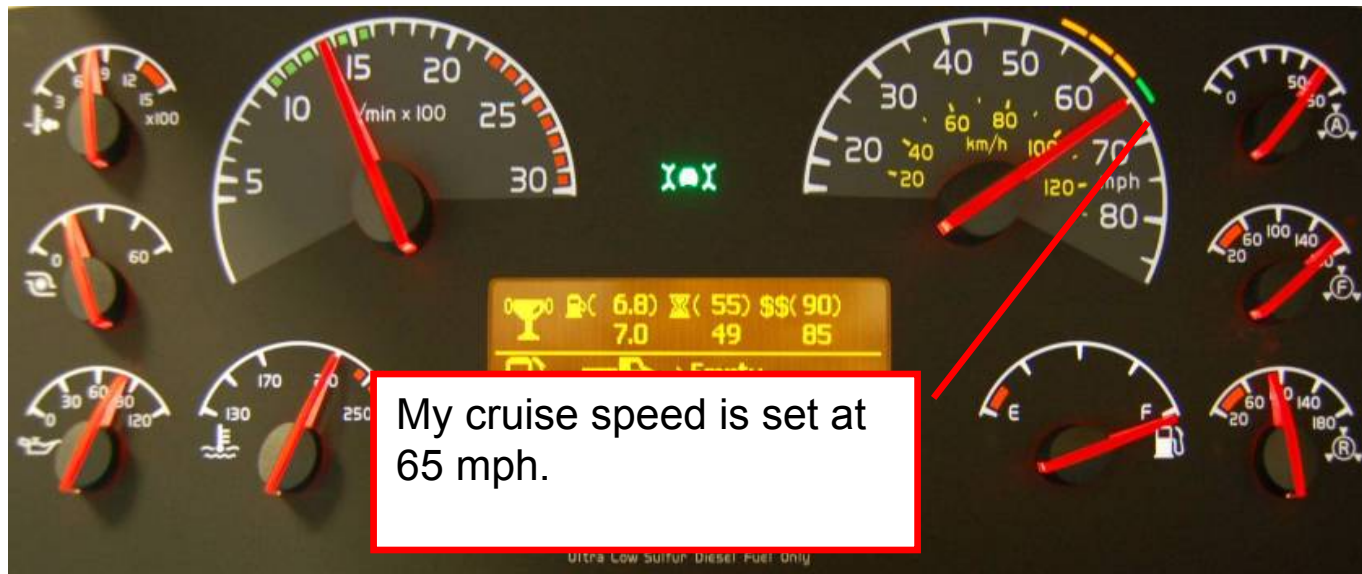
Volvo Enhanced Cruise

(Cruise ON)



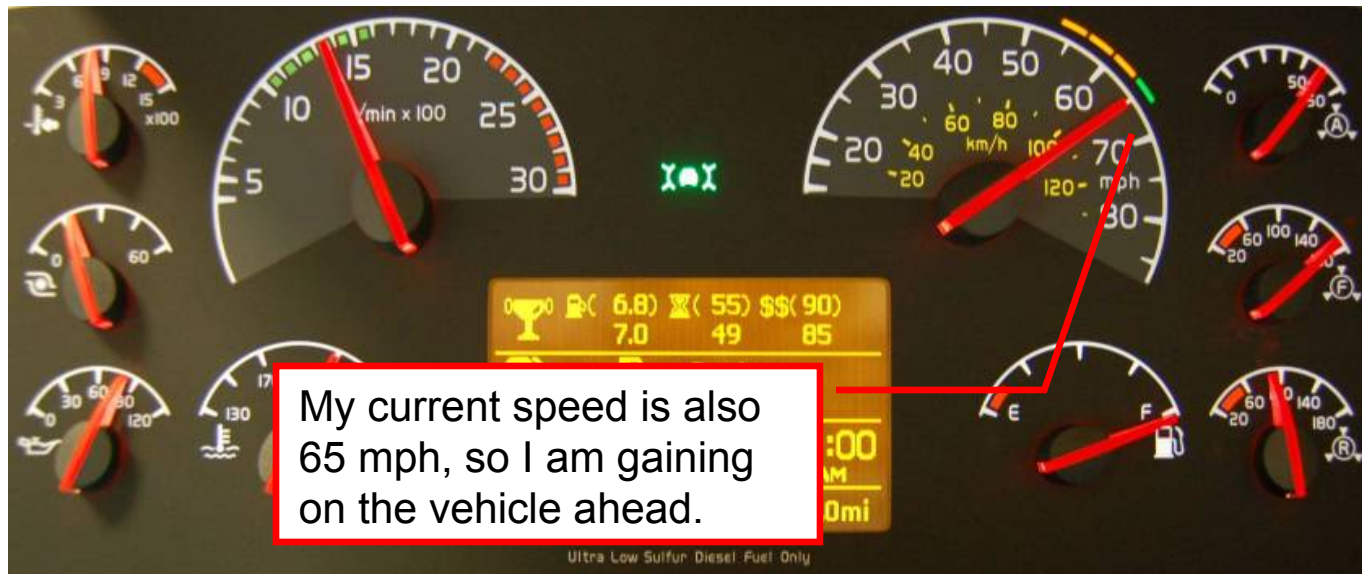
Volvo Enhanced Cruise

(Cruise ON)



Volvo Enhanced Cruise

(Cruise ON)



Volvo Enhanced Cruise

(Cruise ON)



The green icon indicates that, at the moment, my following distance is still okay.



Volvo Enhanced Cruise

(Cruise ON)

VEC will reduce vehicle speed to maintain a safe following distance behind the target vehicle.

If the vehicle speeds up or leaves the lane, VEC will return to the set cruise speed.



Volvo Enhanced Cruise

(Cruise ON)

If the target vehicle suddenly slows (or a vehicle suddenly enters the lane) and the following distance rapidly decreases ...



Volvo Enhanced Cruise

(Cruise ON)

The icon and speed bezel turn red and the driver is warned to take preventive action.



Volvo Enhanced Cruise (Cruise ON)

At the same time, VEC reduces engine speed and engages engine brake and foundation brakes (up to 30%) to slow the vehicle. Still, the driver will need to apply brakes and take action to prevent collision.



Volvo Enhanced Cruise (Cruise ON)

Cruise is also disengaged.

After vehicle is returned to safe following distance, driver can re-engage cruise and active features of VEC.



Volvo Enhanced Cruise

With VEC “off” (vehicle NOT in cruise)

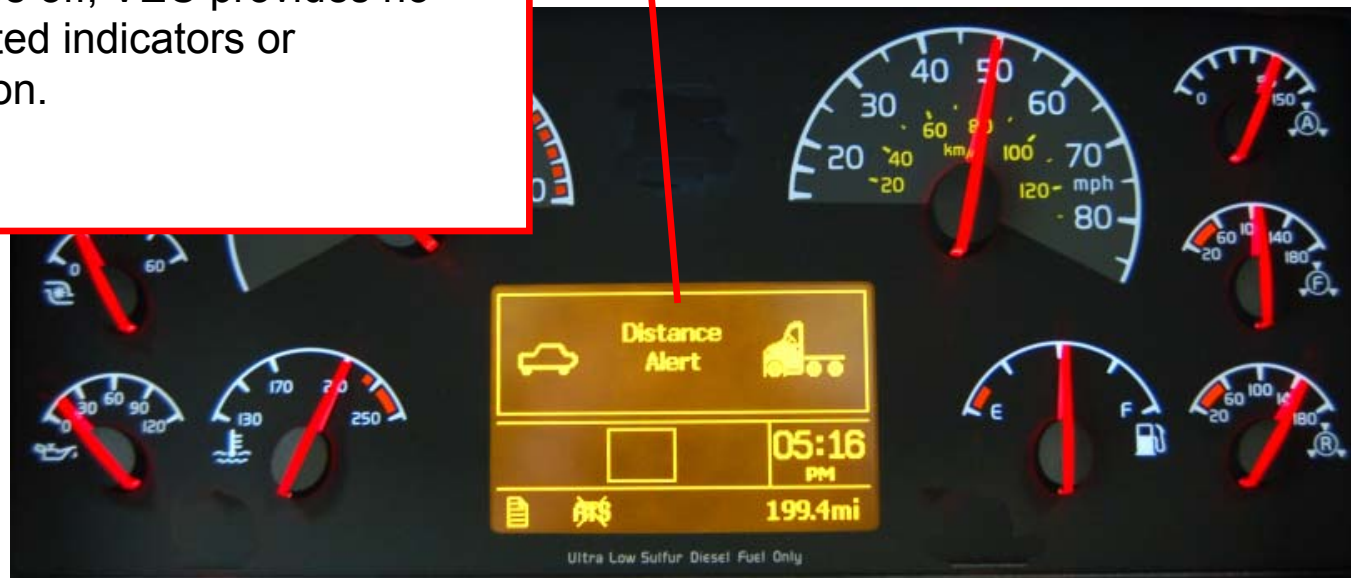
- VEC still monitors vehicles in lane ahead and provides warnings if following distance is too short.
- Default following time is 2.8 seconds (can be adjusted from 1.5 to 3.5 seconds)
- Following time is adjustable using VCADS or optional driver control (left stalk switch toggle)



Volvo Enhanced Cruise (Cruise OFF)

VEC continues to monitor and provides an alert, including audible beep, if you are closer to target vehicle than the set following distance allows.

With cruise off, VEC provides no other lighted indicators or intervention.



Volvo Enhanced Cruise

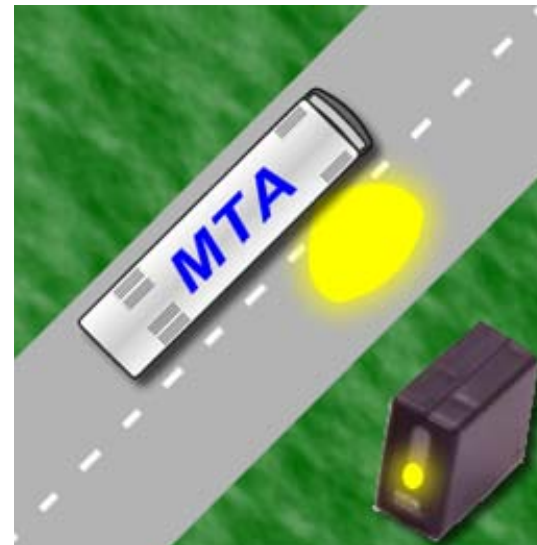
Customer Testimonial

“I was driving the other night and had a my low beams on because of oncoming traffic. Suddenly, the system slowed me down before I could see a car in front of me that did not have tail lights. That’s a great safety feature.”



Volvo Enhanced Cruise Side-Sensing Radar

With no object detected, the Side Sensor Display will constantly illuminate the yellow LED.



Volvo Enhanced Cruise Side-Sensing Radar

When an object is detected, the red LED will illuminate. A tone will sound if the turn signal is turned on.

The tone does not sound every time an object is detected – only when the turn signal is used.

