

UNDERSTANDING ENGINE SHUTDOWN FOR TIER 4 FINAL

Don't Forget!!

- ✓ With the introduction of Cat products that meet US EPA Tier 4 Final emissions standards, safe guards have been implemented to ensure long term durability of the new aftertreatment components.
- ✓ Only turn the engine start switch key to DELAYED ENGINE SHUTDOWN OVERRIDE position for emergency situations.



- ✓ Allow the engine to run when delayed engine shutdown is active.
- ✓ Allow the DEF purge cycle to complete.
- ✓ Ensure the Wait to Disconnect lamp is not illuminated when turning off the battery disconnect switch.



- ✓ Preventing delayed engine shutdown or the DEF purge from completing may result in engine or aftertreatment component failure.



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Questions? Contact your local Cat dealer.

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UNDERSTANDING

ENGINE SHUTDOWN FOR TIER 4 FINAL



Engine Start Switch



The **Delayed Engine Shutdown Override** position is used for emergency engine shutdown situations only.



The **OFF** position is used for normal engine shutdown.



The **ON** position is used to activate all cab circuits.



The **START** position is used to start the engine.

Let Delayed Engine Shutdown Run

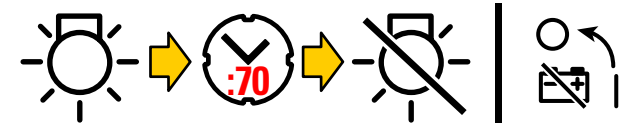
Delayed engine shutdown provides customers with a “smart system” that automatically determines when idle state cool down is needed to prevent engine and aftertreatment component damage.

When the engine start switch key is turned to the **OFF** position, the engine may continue to run for an additional few minutes. This is normal. When the delayed engine shutdown feature is complete, the product will automatically shut itself off.

Emergency Situations

For emergency situations, turn and hold the engine start switch key to the **Delayed Engine Shutdown Override** position. This will shut down the engine immediately, and fault codes will be logged due to possible engine and aftertreatment component damage.

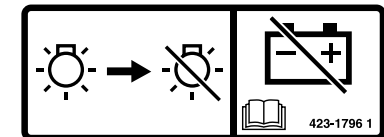
If the lamp is on, DO NOT disconnect the battery except in the case of an emergency situation.



Diesel Exhaust Fluid Purge

The diesel exhaust fluid (DEF) purge cycle is an automatic process that removes DEF from the pump and lines and returns it to the tank.

- Takes approximately 70 seconds to complete.
- Starts when engine speed returns to 0 RPM.
- Protects components from the freezing and thawing of DEF.
- Fault code logged if overridden.
- Wait to Disconnect lamp will no longer be illuminated when purge is complete.



Wait to Disconnect Lamp

The Wait to Disconnect lamp is an amber lamp located near the battery disconnect switch. This lamp is to notify the operator of the appropriate time to turn off the battery disconnect switch.

- If the lamp is on, leave the battery disconnect switch in the **ON** position.
- Battery Disconnect Delay film is near the lamp for reminder.
- Fault codes are logged if the battery disconnect switch is turned to the **OFF** position before the lamp is no longer illuminated.