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Other Languages: NONE **Author:** Charles Schroeder
Viewed: 126

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Coding Information

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Title: LT Base Cluster Warning Lights - Battery Light when using Cruise Control

Applies To: LT with Base Cluster built between May and November 2017

Change Log

Please refer to the change log text box below for recent changes to this article:

12/15/2017 - Initial Article Release

Description

LT Series vehicles may experience incorrect warning lights illuminating after the Electronic Gauge Cluster (EGC) has been programmed.

- The only affects BASE cluster on LT Series built between May and November 2017 and equipped with DLB feature code 0597177
 - Base Cluster Feature Codes: 0016GDC; 0016GDD; 0016GDE
- This does not affect premium cluster
- DLB Software Version 15601 or higher will correct this issue
- Complaint occurs after cluster kernel is programmed to 40300

Symptoms

Diagnostic Trouble Codes & Dashboard Indicator Lights:

DTC/Light	Description
Battery Warning Light	Illuminates when cruise control is 'SET' and vehicle is in motion
Traction Control Light (TC)	Illuminates when the engine is running and the vehicle has low voltage
Cruise Active Icon	Illuminates when cruise is turned on, should only illuminate when cruise control is 'SET' and vehicle is in motion

Customer Observations or Concerns:

- Battery Light illuminating when the cruise control is set

Special Tools / Software

Tool Description	Tool Number	Comments	Instructions
International® Diamond Logic® Builder (DLB)		EZ-Tech Software	

Service Parts Information

Kit Description	Part Number	Quantity Required	Notes
Not Applicable			

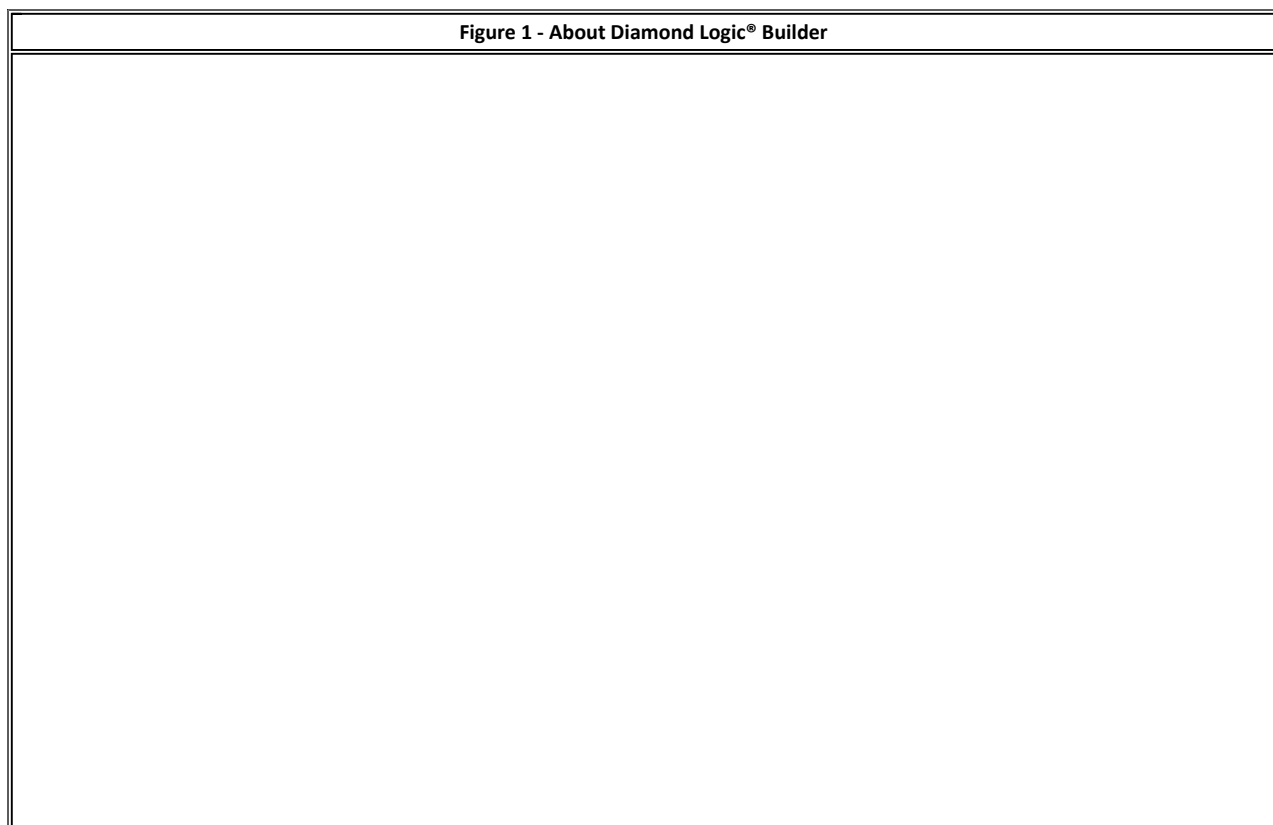
Diagnostic Steps

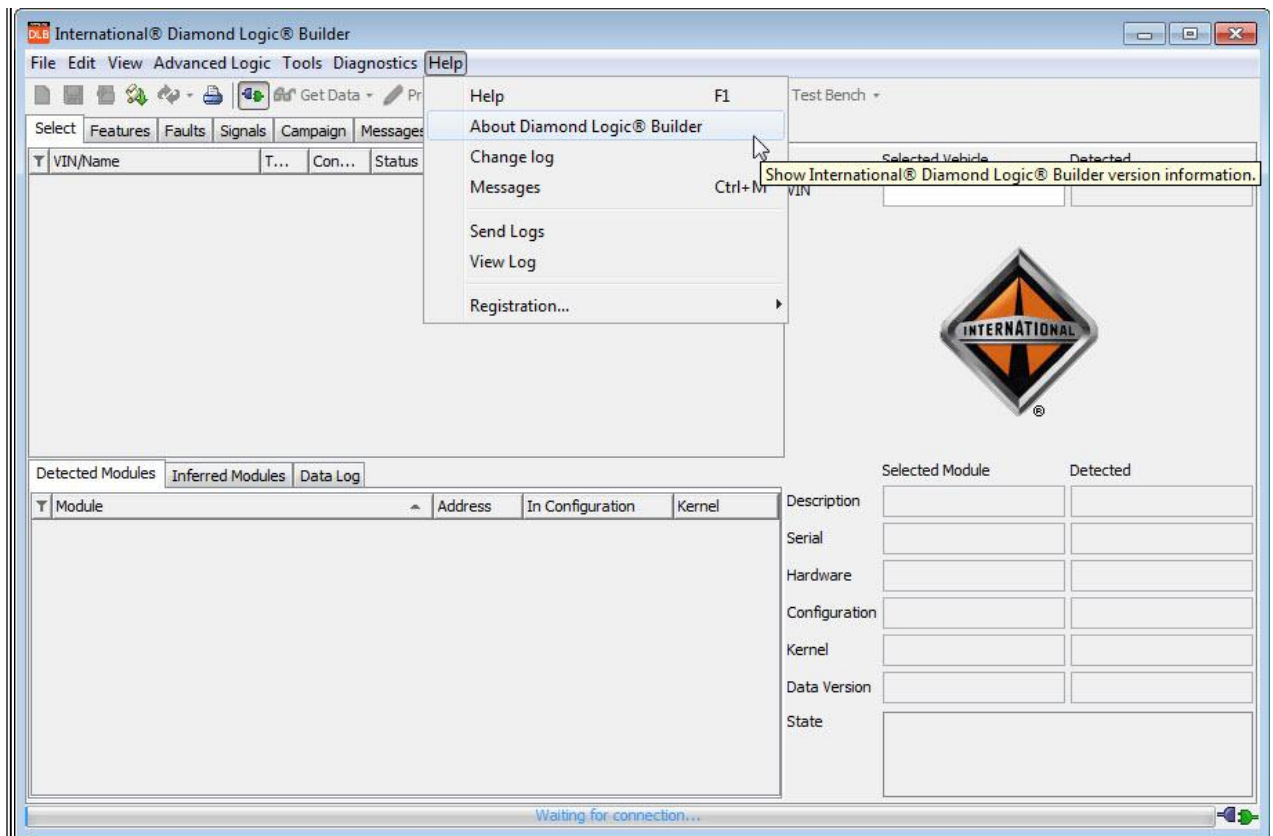
Step	Action	Decision
1	Does battery light icon illuminate when cruise control is set with the vehicle in motion?	Yes: Connect to the vehicle with the latest updated version of DLB as outlined in the Repair Steps
		No: Issue is not present

Repair Steps

Launch DLB while connected to the internet.

Verify DLB has updated:





- Navigate to the Help menu
- Click on About Diamond Logic® Builder

Identify DLB Version:

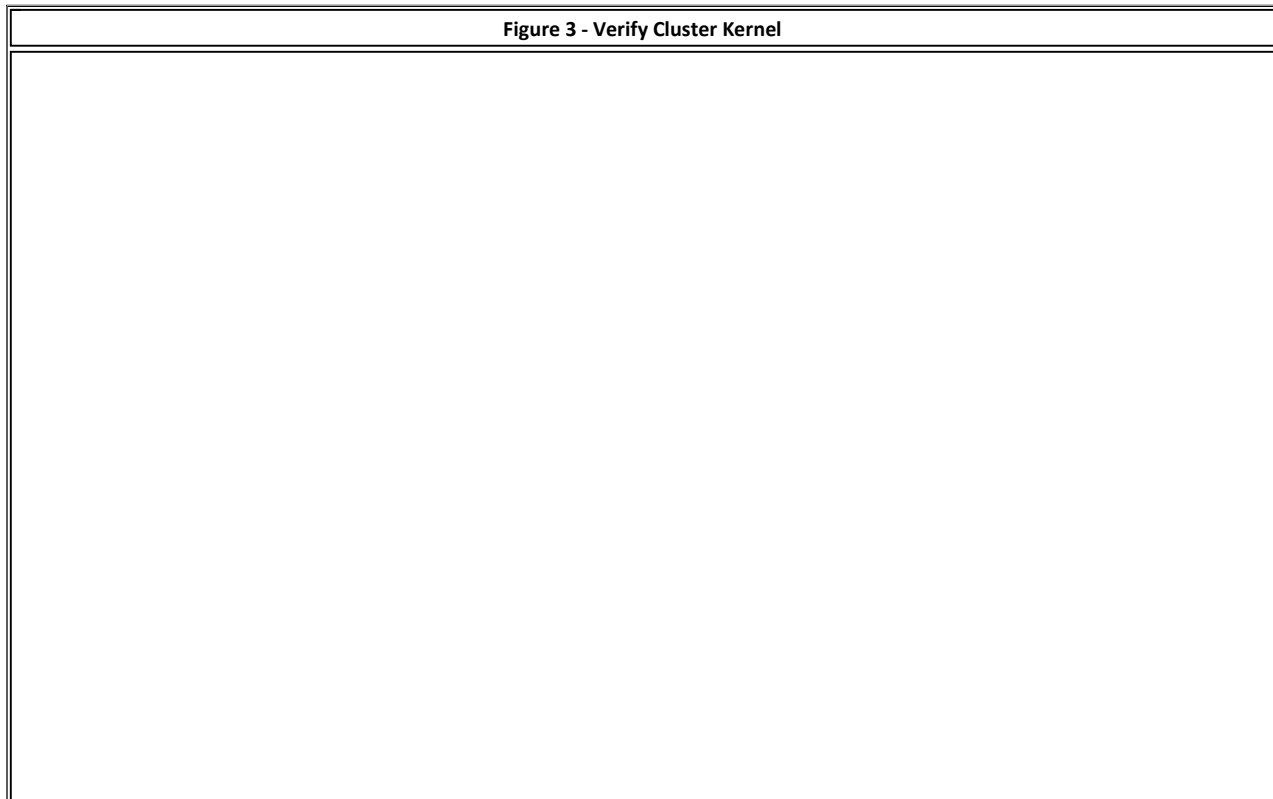
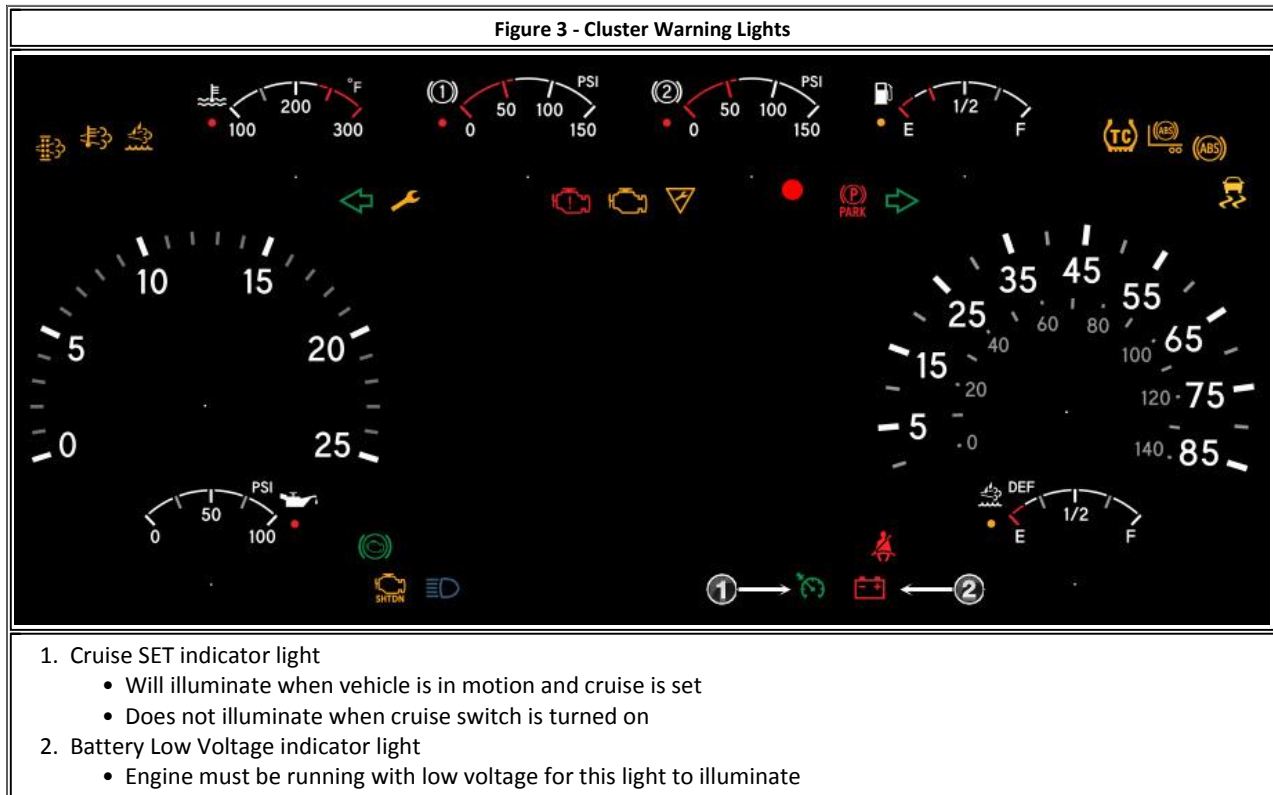
Figure 2 - Version Information

1. DLB Software Version

- 15601 or greater will correct the issue with the battery light in cruise control

Connect to the vehicle with Diamond Logic® Builder

1. Once connected the vehicle with DLB software version 15601 or higher, DLB will automatically detect cluster hardware type, and correct the internal software bit to the cluster (It does not affect the cluster kernel)
2. Verify cluster kernel is at 40300
3. Vehicle will need to be driven to verify only the cruise light illuminates during cruise control operation



International® Diamond Logic® Builder

File Edit View Advanced Logic Tools Diagnostics Help

Get Data

Program

Program Test Bench

Select

Advanced Logic

Features

Faults

Connectors

Signals

Center Panel

Cluster

Campaign

Messages

T VIN/Name

T...

Con...

Status

Description

3HSDZAPR1JN437264

19

Selected Vehicle

Detected

VIN

3HSDZAPR1JN437264



Detected Modules

Inferred Modules

Data Log

T Module

Address

In Configuration

Kernel

Description

ESC

33

✓

708

ESC

Front HVAC Control Module

✓

1642002

Front HVAC Control Module

Instrument Cluster

✓

40300

Instrument Cluster

Lighting Control Module

✓

16

Lighting Control Module

Six Position Switch-Pack 1

✓

16

Six Position Switch-Pack 1

Six Position Switch-Pack 2

✓

16

Six Position Switch-Pack 2

Stalk Shifter

✓

54

Stalk Shifter

Selected Module

Detected

Instrument Cluster

Serial

-1

Hardware

0

Configuration

0

Kernel

40300

Data Version

State

Waiting for connection...

- The complaint of battery light turning on while using cruise control will only occur if the cluster was updated to 40300 using DLB software version older than 15601
- 40300 is the correct kernel that should be applied to base clusters

Warranty Information

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

Other Resources

[Master Service Information Site](#)

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Feedback Information

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