

## All INCAL DVD-ROMs are available for download at

<https://www.cummins.com/support/digital-products-and-services-support/incal-support#software-downloads>

Enclosed are the August 2021 INCAL DVD-ROMs.

Please take a moment to review the information in this cover letter for details regarding the contents of the INCAL DVD-ROMs.

### Changes in Calibrations

New engine control module (ECM) calibration codes have been released using industry standard encryption for all electronically controlled engine products. These ECM calibration codes are only supported in Cummins INSITE™ electronic service tool version 8.7.0 and newer. If users do not upgrade, users will not be able to use any calibrations on these INCAL DVDs or downloaded through Quickserve Online (QSOL) or Cal over web. Any previous INCAL DVDs are still supported during the existing expiration dates.

### What is INCAL?

The first DVD contains calibrations for Automotive applications. The second DVD contains calibrations for Industrial applications. The third DVD contains calibrations for HHP/Power Gen and Automotive applications and Programmable Datalink Devices. The fourth DVD contains calibrations for Automotive applications. The fifth DVD contains calibrations for Automotive and Industrial applications and additional files. For the INCAL DVD details, please see the listings below.

### Additional Files:

Cummins ED-4 Display- used for the Marine C Command Connect and Connect Premier Panel System

### August 2021 INCAL DVD-ROMs Content:

#### DVD 1 - Automotive Engines

Agility® Fuel Delivery System CM1881 AFS101	ISB5.9 CM2880 B127	ISF2.8 CM2220 F126	ISL9 CM2250
BES CM2450 EV101B	ISB5.9 CM2880 B140	ISF2.8/3.8 CM2220 F129/ISF4.5 CM2220 F123	ISL9 CM2350 L101/L108/L109/L123B
B4.5 CM2620 B158B	ISB5.9 CM2880 B149	ISF2.8 CM2220 AN	ISL9.5 CM2150 SN
B5.9G	ISB6.7 CM2250	ISF2.8 CM2220 EC/ECF2/ECCF2	ISL9.5 NS5 2880E IAT
C Gas/B Gas Plus	ISB6.7 CM2350 B103/B142	ISF2.8 CM2220 F101	ISLe - CM2150
C8.3G	ISB6.7 CM2350 B135B/B148B	ISF2.8 CM2220 F117	ISL G - CM2180/CM2380
Celect	ISB6.7 G CM2180/CM2380 B118	ISF2.8 CM2220 IAN	ISM
Celect Plus	ISB6.7 ISD6.7 CM2150	ISF2.8/3.8 CM2220	ISM - CM870
D4.5 CM2620 D104B	ISB - CM2150	ISF2.8/3.8 CM2220 AN	ISM - CM875
F3.8 CM2350 F132B	ISB-CM850	ISF2.8/3.8 CM2220 IAN/F122	ISM - CM876
ISF3.8 CM2220 F134B	ISBe (4 and 6 Cylinder)	ISF3.8 CM2220 AN	ISM11 CM876 M103
ISB	ISBe2/3 - CM850	ISF3.8 CM2220 F103/F115	ISM11 CM876 SN

ISB Daimler Chrysler	ISC - CM2150	ISF3.8 CM2220 F110/F116	ISM-Fuel Control Module - CM570
ISB/ISD4.5 CM2150 B119 ISB/ISD6.7 CM2150 B120	ISC/ISL	ISF3.8 CM2220 IAN	ISX - CM871
ISB/ISD6.7 CM2880 B126	ISC/Transit Bus ISL8.3 - CM850	ISF3.8 CM2350 F109	ISX/ISZ13 CM2150 SN
ISB3.9 CM2220 B107	ISC8.3 CM2250	ISF3.8 CM2350 F120	ISZ13 NSV 2880E IAT
ISB4.5 CM2350 B129B/B147B		ISG11 CM2880 G106/G108 ISG12 CM2880 G107/G109	L Gas Plus
ISB4.5 CM2350 B104	ISD4.5 NSV/ISB5.9 NS4/ISDe6.7 NS4 CM2880 WFLD	ISL - CM2150D	L9 CM2350 L119B
ISB4.5/6.7 ISD4.5/6.7 CM2150 SN	ISD 5L EU VI	ISL8.9 - CM850	L9N CM2380 L124B/L130B
ISB4.5/6.7 ISD4.5/6.7 CM2150 SN (EURO 5)	ISD6.7 CM2880 D101	ISL8.9 CM2150 SN	X11 CM2670 X126B
ISB5.9 CM2150 B111	ISD6.7 CM2880 D101	ISL8.9 CM2150 SN (Euro 4.5)	X12 CM2450 X137B
ISB5.9 CM2880	ISDe - CM2150	ISL8.9 CM2150 SN (Euro 5)	X12 CM2670 X136B
ISB5.9 CM2880	ISF2.8 CM2220 F121	ISL 8.9 CM2350 L111	
ISB5.9 CM2880 B110	ISF2.8 CM2220 F122	ISL8.9/ISL9.5 CM2880 NS5	

#### DVD 2 – Industrial Engines

480C-E	QSB4.5 CM2150 B108/QSB6.7 CM2150 B109	QSB7 CM2880 B117/QSL9.3 CM2880 L113	QSN14 CM876 N102
Celect Plus Industrial	QSB4.5 CM2250 EC/B131	QSC8.3 CM850(CM2850)	QSN14 CM876 N103
CENSE	QSB4.5 CM2350 B106/B122/B144	QSC8.3 CM2880 C102	QSX11.9/15 CM2250 ECF/X115
Centinel	<b>QSB4.5 CM2350 B174C</b>	QSC8.3/QSL9	QSX15
CENTRY	QSB5.9 CM2880 B115/QSB6.7 CM2880 B116	QSF2.8 CM2880 F104/F108/QSF3.8 CM2880 F112	QSX15 CM2350 X130
Centry CM2940	QSB5.9/44, 5.9/30, 4.5/30, 3.9/30	QSF2.8 CM2880 F105/F106/F114/F124/F123	QSZ13 CM2150 Z101
L9 CM2350 L120C	QSB6.7 CM2250 EC	QSF3.8/F3.8 CM2350 F107/F118/F119/F125/F133C/F142C	QSZ13 CM2150 Z102
Next Generation Cense CM2330	QSB6.7 CM2350 B105/B130/B145	QSL9 CM850(CM2850)	Stage V Komatsu MR
PIM	QSB6.7 CM2350/QSL8.9 CM2350 T4F	QSL9 CM2250 L106	VTA903 CM2250 V105
QSB3.3 - CM2150	QSB6.7/QSL 9 CM2250	QSL9 CM2250 L115	X12 CM2350 X128C/ QSG12 CM2350 G110/G113
QSB3.3 CM2250 EC/B137	QSB6.7/QSL 9 CM2250 Komatsu	QSL9 CM2350 L102/L118/L122	X15 CM2350 X125M/QSX15 CM2350 X131
QSB3.9 CM2880 B138/QSB5.9 CM2880 B139	QSB6.7-M CM2250	QSM11	X15 CM2350 X132C

#### DVD 3 – HHP/PowerGen Engines

Gas Cense - QSK19G/45G/60G, QSV81/91 - CM850	QSK 23/60/78 CM850 Power Gen Interface	QSK50/60 CM2350 MCRS K108/K116/K117 - Primary	QSK95 CM2350 K113 - Secondary
--	--	---	-------------------------------

Gas Compression GTA, KTA	QSK19 CM850/CM2850 MCRC Power Gen/QSK19 CM2150 MCRC Power Gen	QSK50/60 CM2350 MCRC K108/K116/K117 - Secondary	QSK95 Tier2 Marine CM2350 - Primary
HSK78G CM2358 K129G - Primary	QSK19 CM850/CM2850 MCRC/QSK19 CM2150 MCRC	QSK50/60 CM850/CM2150/CM2850 MCRC Power Gen/K123M - Primary	QSK95 Tier2 Marine CM2350 - Secondary
HSK78G CM2358 K129G - Secondary	QSK19/23 CM2350 K105/K114/K115/K127	QSK50/60 CM850/CM2150/CM2850 MCRC Power Gen/K123M - Secondary	QSL9 CM850(CM2850)
QSB4.5/6.7/7-DM CM850(CM2850)	QSK23/60/78 CM2250 K109/K112/K104	QSK50/60 CM850/CM2150/CM2850 MCRC/K123M - Primary	QSL9 CM2350 L107
QSB6.7 CM2350 B112	QSK38 CM850/CM2850 MCRC Power Gen/QSK38 CM2150 MCRC Power Gen - Primary	QSK50/60 CM850/CM2150/CM2850 MCRC/K123M - Secondary	QSM11 CM876 Power Gen/QSM11 CM876 M101/M102M
QSG12 CM2880 G112	QSK38 CM850/CM2850 MCRC Power Gen/QSK38 CM2150 MCRC Power Gen - Secondary	QSK78 CM2350 K126 - Primary	QST30
QSK 19/23/45/60/78	QSK38 CM850/CM2850 MCRC/QSK38 CM2150 MCRC - Primary	QSK78 CM2350 K126 - Secondary	QST30 CM2350 T101/T102 - Primary
QSK 19G/38G/60G, QSV81/91 - CM700/CM2358	QSK38 CM850/CM2850 MCRC/QSK38 CM2150 MCRC - Secondary	QSK95 CM2350 K111 - Primary	QST30 CM2350 T101/T102 - Secondary
QSK 19G/38G/60G, QSV81/91 - SSM558/CM2358	QSK38 CM2350 K125/K138M - Primary	QSK95 CM2350 K111 - Secondary	QST30 - CM850 - Power Generation
QSK 23/60/78 CM500 Power Gen	QSK38 CM2350 K125/K138M - Secondary	QSK95 CM2350 K113/K128M - Primary	QST30 - Power Gen

#### DVD 3 – Automotive Engines

B6.7 CM2450 B155B	ISB5.9 G/ISC8.3 G CM2180/CM2380	ISV5 CM3230 V104	X15 CM2450 X124B/X134B
F4.5 CM2620 F139B/F140B	ISB6.7 CM2350 B101	ISX15 CM2350 X129	
ISBe4 (4 and 6 cylinder)	ISC8.3 CM2880 SN/ISL8.9 CM2880 L112	ISZ13 CM2150	
ISB5.6 CM2670 B152B	ISLe4 (6 cylinder)	Signature/ISX	

#### DVD 4 – Automotive Engines

B6.7 CM2350 B121B/B141B	ISB4.5 CM2620 E	ISX12 G CM2180/CM2380 EJ	L9 CM2350 L116B
F2.8 CM2620 F135B	ISB6.7 CM2670 B153B	ISX12N CM2380 X120B	L10G
F2.8 CM2620 F136B	ISF3.8 CM2620 A	ISX12/11.9/15 CM2250	X12 CM2350 X119B

F3.8 CM2620 F137B/F138B	ISX12 CM2350 X102/X103/X108/ISX15 CM2350 X101/X104/X109	ISX15 CM2250 SN	X15 CM2350 X114B/X116B
----------------------------	---	-----------------	------------------------

#### DVD 5 – Automotive Engines

B4.0 CM2620 B154B	D6.7 CM2670 D102B/D106B/D107B	L9 CM2670 L128B	X12 CM2670 X136B
B6.2 CM2670 B156B	ISB4.5/6.7 ISD4.5/6.7 CM2150 SN (Euro 4.5)	L9 CM2450 L126B/L127B	X13 CM2670 X122B
B6.7N CM2380 B150B	ISB6.2 CM2670 E	N14 CM876 N108B	X15 CM2350 X123B
B6.7 CM2670 B167B/B168B/B169B	ISG12 G CMOH6.0 G111	R2.8 CM2220 R101B	X15 CM2350 X123B
B6.7 G CMOH6.0 B125	ISL8.9 CM2670 E	Signature/ISX - CM870	Z14 CM2670 Z103B
D4.0 CM2620 D103B	L8.9G CMOH2.0 L125B	X12 CM2670 X121B/X136B	Z13 CM2880 Z104G

#### DVD 5 - Industrial Engines

B4.5 CM2350 B146C	F3.8 CM2350 F128C	X15 CM2350 X127C/QSX15 CM2350 X105/X106/X118
B6.7 CM2350 B136C	QSB4.5/6.7 CM850(CM2850) / QSB5.9 CM850	

#### DVD 5 – PDD

Aftertreatment Diesel Exhaust Fluid Controller	Engine Fuel Supply Pump	Throttle Actuator
Aftertreatment Diesel Exhaust Fluid Dosing Unit	Fuel Control Valve	Turbo Actuator Controller
Electric Fuel Lift Pump	Ignition Control Module	Turbocharger Compressor Bypass Control Valve

#### DVD 5 – Additional Files

\*The engine product(s) in bold are new products released on the INCAL DVDs.

#### Have Comments?

We would like to know how well this information meets your needs. Please call Cummins Electronic Support Products at 1-800-CUMMINS (select option 2 and then option 3) with your comments.