

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 April 2023 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 8.8.0 and newer. If users do not upgrade, users will not be able to use any calibrations on these INCAL DVDs, downloaded through QuickServe Online (QSOL), or INSITE ECM/PDD Code Search. INSITE 8.8.0 is compatible with any INCAL DVDs created after March 2022.

### 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. The fourth DVD contains calibrations for Automotive applications. The fifth DVD contains calibrations for Automotive and Industrial applications, Programmable Datalink devices, and additional files. The sixth DVD contains calibrations for Automotive applications. The seventh and eighth DVDs contains calibrations for Automotive applications. 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

### April 2023 INCAL DVD-ROMs Content:

#### DVD 1 - Automotive Engines

Agility® Fuel Delivery System CM1881 AFS101	ISB5.9 CM2880 B110	ISF2.8 CM2220 F121	ISL9.5 CM2150 SN
B5.9G	ISB5.9 CM2880 B127	ISF2.8 CM2220 F122	ISLe - CM2150
C Gas/B Gas Plus	ISB5.9 CM2880 B140	ISF2.8 CM2220 F126	ISLe4 (6 cylinder)
C8.3G	ISB5.9 CM2880 B149	ISF2.8 CM2220 IAN	ISM
Celect	ISB6.7 CM2250	ISF2.8/3.8 CM2220	ISM - CM870
Celect Plus	ISB6.7 CM2350 B103/B142	ISF2.8/3.8 CM2220 AN	ISM - CM875
D4.5 CM2620 D104B	ISB6.7 CM2350 B135B/B148B	ISF2.8/3.8 CM2220 F129/ISF4.5 CM2220 F123	ISM - CM876
F2.5 CM2620 F 150B	ISB6.7 G CM2180/CM2380 B118	ISF2.8/3.8 CM2220 IAN/F122	ISM11 CM876 M103
F3.8 CM2350 F132B	ISB6.7 ISD6.7 CM2150	ISF3.8 CM2220 AN	ISM11 CM876 SN
F3.8 CM2620 F144B	ISB-CM850	ISF3.8 CM2220 F103/F115	ISM-Fuel Control Module - CM570
F4.5 CM2620 F146B	ISBe (4 and 6 cylinder)	ISF3.8 CM2220 F110/F116	ISX - CM871

ISB	ISBe2/3 - CM850	ISF3.8 CM2220 F134B	ISZ13 NSV 2880E IAT
ISB - CM2150	ISBe4 (4 and 6 cylinder)	ISF3.8 CM2220 IAN	L Gas Plus
ISB Daimler Chrysler	ISC - CM2150	ISF3.8 CM2350 F109	L10G
ISB/ISD4.5 CM2150 B119 ISB/ISD6.7 CM2150 B120	ISC/ISL	ISF3.8 CM2350 F120	L9 CM2350 L119B
ISB/ISD6.7 CM2880 B126	ISC/Transit Bus ISL8.3 - CM850	ISG11 CM2880 G106/G108 ISG12 CM2880 G107/G109	L9 CM2670 L132B
ISB3.9 CM2220 B107	ISC8.3 CM2250	ISL - CM2150D	L9N CM2380 L124B/L130B/L142B/L147B
ISB4.5 CM2350 B104	ISD4.5 NSV/ISB5.9 NS4/ISDe6.7 NS4 CM2880 WFLD	ISL 8.9 CM2350 L111	M15 CM2670 M106B
ISB4.5 CM2350 B129B/B147B	ISD6.7 CM2880 D101	ISL G - CM2180/CM2380	M15 CM2670 M107B/M108B/M109B
ISB4.5/6.7 ISD4.5/6.7 CM2150 SN	ISD6.7 CM2880 D101	ISL8.9 - CM850	X11 CM2670 X126B
ISB4.5/6.7 ISD4.5/6.7 CM2150 SN (Euro 4.5)	ISDe - CM2150	ISL8.9 CM2150 SN	X15 CM2670 X145B
ISB4.5/6.7 ISD4.5/6.7 CM2150 SN (Euro 5)	ISF2.8 CM2220 AN	ISL8.9 CM2150 SN (Euro 4.5)	Z14 CM2670 Z103B
ISB5.9 CM2150 B111	ISF2.8 CM2220 EC/ECF2/ECCF2	ISL8.9 CM2150 SN (Euro 5)	Z15 CM2670 Z107B
ISB5.9 CM2880	ISF2.8 CM2220 F101	ISL8.9/ISL9.5 CM2880 NS5	
ISB5.9 CM2880	ISF2.8 CM2220 F117	ISL9 CM2250	

#### DVD 2 – Industrial Engines

480C-E	QSB3.3 - CM2150	QSB6.7-M CM2250	QSL9 CM850(CM2850)
B5.9 CM2670 B166C	QSB3.3 CM2250 EC/B137	QSB7 CM2880 B117/QSL9.3 CM2880 L113	QSM11
B6.7 CM2670 B164C/B165C	QSB3.9 CM2880 B138/QSB5.9 CM2880 B139	QSC8.3 CM2880 C102	QSN14 CM876 N102
Celect Plus Industrial	QSB4.5 CM2150 B108/QSB6.7 CM2150 B109	QSC8.3 CM850(CM2850)	QSN14 CM876 N103
CENSE	QSB4.5 CM2350 B106/B122/B144	QSC8.3/QSL9	QSX11.9/15 CM2250 ECF/X115
Centinel	QSB5.9 CM2880 B115/QSB6.7 CM2880 B116	QSF2.8 CM2880 F104/F108/QSF3.8 CM2880 F112	QSX15
CENTRY	QSB5.9/44, 5.9/30, 4.5/30, 3.9/30	QSF2.8 CM2880 F105/F106/F114/F124/F123	QSX15 CM2350 X130/X140C
Centry CM2940	QSB6.7 CM2350 B105/B130/B145	QSF3.8/F3.8 CM2350 F107/F118/F119/F125/F133C /F142C	VTA903 CM2250 V105
L8.9/L9 CM2670 L134C/L135C/L136C/L137C	QSB6.7 CM2350/QSL8.9 CM2350 T4F	QSG12/X12 CM2350 G110/G113 X144C	X15 CM2350 X125M/QSX15 CM2350 X131
L9 CM2350 L120C/L133C	QSB6.7/QSL 9 CM2250	QSL9 CM2250 L106	X15 CM2350 X132C
Next Generation Cense CM2330	QSB6.7/QSL 9 CM2250 Komatsu	QSL9 CM2250 L115	X15 CM2350 X139C
PIM	QSB6.7/QSL8.9 CM2350 CSIV	QSL9 CM2350 L102/L118/L122	

#### DVD 3 – HHP/PowerGen Engines

B3.9/B5.9/B6.7/L8.9 CM2880 PG	QSK19 CM850/CM2850 MCRS Power Gen/QSK19 CM2150 MCRS Power Gen	QSK50 CM2350 K146G - Primary	QSK95 CM2350 K113 - Secondary
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Gas Cense - QSK19G/45G/60G, QSV81/91 - CM850	QSK19 CM850/CM2850 MCRS/QSK19 CM2150 MCRS	QSK50 CM2350 K146G - Secondary	QSK95 CM2350 K113/K128M - Primary
Gas Compression GTA, KTA	QSK19/23 CM2350 K105/K114/K115/K127	QSK50/60 CM2350 MCRS K108/K116/K117 - Primary	QSK95 Tier2 Marine CM2350 - Primary
HSK78G CM2358 K129G - Primary	QSK23/60/78 CM2250 K109/K112/K104	QSK50/60 CM2350 MCRS K108/K116/K117 - Secondary	QSK95 Tier2 Marine CM2350 - Secondary
HSK78G CM2358 K129G - Secondary	QSK38 CM2350 K125/K138M - Primary	QSK50/60 CM850/CM2150/CM2850 MCRS Power Gen/K123M – Primary	QSL9 CM2350 L107
QSB4.5/6.7/7-DM CM850(CM2850)	QSK38 CM2350 K125/K138M – Secondary	QSK50/60 CM850/CM2150/CM2850 MCRS Power Gen/K123M – Secondary	QSL9 CM850(CM2850)
QSB6.7 CM2350 B112	QSK38 CM2350 K145G - Primary	QSK50/60 CM850/CM2150/CM2850 MCRS/K123M – Primary	QSM11 CM876 Power Gen/QSM11 CM876 M101/M102M
QSG12 CM2880 G112	QSK38 CM2350 K145G – Secondary	QSK50/60 CM850/CM2150/CM2850 MCRS/K123M – Secondary	QST30
QSK 19/23/45/60/78	QSK38 CM850/CM2850 MCRS Power Gen/QSK38 CM2150 MCRS Power Gen - Primary	QSK60 CM2350 K149M - Primary	QST30 - CM850 - Power Generation
QSK 19G/38G/60G, QSV81/91 - CM700/CM2358	QSK38 CM850/CM2850 MCRS Power Gen/QSK38 CM2150 MCRS Power Gen - Secondary	QSK60 CM2350 K149M - Secondary	QST30 - Power Gen
QSK 19G/38G/60G, QSV81/91 - SSM558/CM2358	QSK38 CM850/CM2850 MCRS/QSK38 CM2150 MCRS - Primary	QSK78 CM2350 K126/K137/K154C - Primary	QST30 CM2350 T101/T102 - Primary
QSK 23/60/78 CM500 Power Gen	QSK38 CM850/CM2850 MCRS/QSK38 CM2150 MCRS - Secondary	QSK78 CM2350 K126/K137/K154C - Secondary	QST30 CM2350 T101/T102 – Secondary
QSK 23/60/78 CM850 Power Gen Interface	QSK50 CM2350 K118 - Primary	QSK95 CM2350 K111 - Primary	
QSK19 CM2350 K144G	QSK50 CM2350 K118 - Secondary	QSK95 CM2350 K111 - Secondary	

### DVD 3 – Automotive Engines

B6.7 CM2350 B121B/B141B/B179B	B6.7N CM2380 B150B		
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### DVD 4 – Automotive Engines

15N CM2380 M104B/M105B	ISX12 G CM2180/CM2380 EJ	ISX12N CM2380 X120B	X12 CM2350 X119B
ISX/ISZ13 CM2150 SN	ISX12/11.9/15 CM2250	ISX15 CM2250 SN	X13 CM2670 X122B
ISX12 CM2350 X102/X103/X108/ISX15 CM2350 X101/X104/X109			

### DVD 5 - Industrial Engines

B3.9 CM2620 B171C	F4.5 CM2620 F141C	QSB6.7 CM2250 EC/B128	Stage V Komatsu MR
B4.5 CM2350 B146C/B159C	<b>F4.5 CM2620 F152C</b>	QSB6.7 CM2450 KT4	X12 CM2670 X135C
B4.5 CM2350 B160M/B161M	QSB4.5 CM2250 EC/B131	QSZ13 CM2150 Z101	X15 CM2350 X127C/QSX15 CM2350 X105/X106/X118
B6.7 CM2350 B136C	QSB4.5 CM2350 B174C	QSZ13 CM2150 Z102	Z13 CM2880 Z104G
F3.8 CM2350 F128C/F143C	QSB4.5/6.7 CM850(CM2850) / QSB5.9 CM850	QSZ14 CM2670 CSIV	

### 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	

#### DVD 5 – Additional Files

#### DVD 6 – Automotive Engines

B6.7 CM2450 B155B	ISB6.7 CM2350 B101	ISX15 CM2350 X129	X12 CM2670 X136B
F4.5 CM2620 F139B/F140B	ISC8.3 CM2880 SN/ISL8.9 CM2880 L112	Signature/ISX	X15 CM2350 X123B
ISB5.6 CM2670 B152B	ISL9 CM2350 L101/L108/L109/L123B	Signature/ISX - CM870	X15 CM2350 X123B
ISB5.9 G/ISC8.3 G CM2180/CM2380	ISV5 CM3230 V104	X12 CM2670 X121B	

#### DVD 7 – Automotive Engines

ISZ13 CM2150	L9 CM2670 L128B	X15 CM2350 X114B/X116B	X15 CM2450 X124B/X134B
L9 CM2350 L116B			

#### DVD8 – Automotive Engines

B4.0 CM2620 B154B	B6.7 CM2670 B167B/B168B/B169B	F2.8 CM2620 F136B	L9 CM2450 L126B/L127B
B4.5 CM2220 B186B	<b>B6.7 CM2670 B188B</b>	F3.8 CM2620 F137B/F138B	N14 CM876 N108B
B4.5 CM2220 B190B	B6.7 CM2670 EUVI	ISB4.5 CM2620 E	R2.8 CM2220 R101B
B4.5 CM2620 B158B	BES CM2450 EV101B	ISB6.2 CM2670 E	X12 CM2450 X137B
<b>B5.6 CM2670 B187B</b>	BES CM2450 EV105B/EV107B/EV110B	ISD 5L EU VI	B6.7 G CMOH6.0 B125
B6.2 CM2670 B156B	D4.0 CM2620 D103B	ISF3.8 CM2620 A	ISG12 G CMOH6.0 G111
B6.7 CM2670 B153B	D6.7 CM2670 D102B/D106B/D107B	ISL8.9 CM2670 E	L8.9G CMOH2.0 L125B
B6.7 CM2670 B163B	F2.8 CM2620 F135B	ISL9.5 NS5 2880E IAT	

\*The engine products 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.