

## 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 2020 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.

### 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 Industrial applications. The fourth DVD contains calibrations for Automotive applications and Programmable Datalink Devices. For the INCAL DVD details, please see the listings below.

### Changes in Calibrations

INSITE Pro version 8.1.4 or higher will be needed to access calibrations on or after the August 2016 INCAL DVD.

As of INSITE 8.5.2: Autodetect will not initially work for below listed engine products in Calibration Selection window unless ECM is being recalibrated with the same calibration from this or newer INCAL DVDs, or downloaded using the ECM code search feature in INSITE and transferred to ECM.

As of INSITE 8.5.2, when using the June 2019 or older INCAL DVDs, calibrations will not show up for below listed engine products.

- ISM CM570
- ISX CM570
- QST30 CM552

Please refer to TSB190116 for further information.

New calibrations have been released using current industry standard encryption for all electronically controlled engine products. INSITE 8.6.0 supports these calibrations only. If using an INCAL DVD with INSITE 8.6.0, calibrations must be from December 2019 or newer. These new calibrations can also be downloaded from Quickserve Online (QSOL) or ECM Code Search within INSITE. Any previous INCAL DVDs or downloaded calibrations are no longer supported.

### Additional Files:

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

### August 2020 INCAL DVD-ROMs Content:

#### DVD 1 - Automotive Engines

Agility® Fuel Delivery System CM1881 AFS101	ISB5.9 CM2880 B110	ISF2.8 CM2220 F122	ISL8.9/ISL9.5 CM2880 NS5
B4.5 CM2620 B158B	ISB5.9 CM2880 B127	ISF2.8 CM2220 F126	ISL9 CM2250
B5.9G	ISB5.9 CM2880 B140	ISF2.8/3.8 CM2220 F129/ISF4.5 CM2220 F123	ISL9 CM2350 L101/L108/L109/L123B
B6.7N CM2380 B150B	ISB5.9 CM2880 B149	ISF2.8 CM2220 AN	ISL9.5 CM2150 SN

C Gas/B Gas Plus	ISB6.7 CM2250	ISF2.8 CM2220 EC/ECF2/ECF2	ISLe - CM2150
C8.3G	ISB6.7 CM2350 B103/B142	ISF2.8 CM2220 F101	ISLe4 (6 cylinder)
Celect	ISB6.7 CM2350 B135B/B148B	ISF2.8 CM2220 F117	ISL G - CM2180/CM2380
Celect Plus	ISB6.7 G CM2180/CM2380 B118	ISF2.8 CM2220 IAN	ISM
D4.5 CM2620 D104B	ISB6.7 ISD6.7 CM2150	ISF2.8/3.8 CM2220	ISM - CM870
F3.8 CM2350 F132B	ISB - CM2150	ISF2.8/3.8 CM2220 AN	ISM - CM875
ISF3.8 CM2220 F134B	ISB-CM850	ISF2.8/3.8 CM2220 IAN/F122	ISM - CM876
ISB	ISBe (4 and 6 Cylinder)	ISF3.8 CM2220 AN	ISM11 CM876 M103
ISB Daimler Chrysler	ISBe2/3 - CM850	ISF3.8 CM2220 F103/F115	ISM11 CM876 SN
ISB/ISD4.5 CM2150 B119 ISB/ISD6.7 CM2150 B120	ISBe4 (4 and 6 cylinder)	ISF3.8 CM2220 F110/F116	ISM-Fuel Control Module - CM570
ISB/ISD6.7 CM2880 B126	ISC - CM2150	ISF3.8 CM2220 IAN	ISV5 CM3230 V104
ISB3.9 CM2220 B107	ISC/ISL	ISF3.8 CM2350 F109	ISX - CM871
ISB4.5 CM2350 B129B/B147B	ISC/Transit Bus ISL8.3 - CM850	ISF3.8 CM2350 F120	ISX/ISZ13 CM2150 SN
ISB4.5 CM2350 B104	ISC8.3 CM2250	ISG11 CM2880 G106/G108 ISG12 CM2880 G107/G109	ISZ13 CM2150
ISB4.5/6.7 ISD4.5/6.7 CM2150 SN	ISC8.3 CM2880 SN/ISL8.9 CM2880 L112	ISL - CM2150D	ISZ13 NSV 2880E IAT
ISB4.5/6.7 ISD4.5/6.7 CM2150 SN (Euro 4.5)	ISD4.5 NSV/ISB5.9 NS4/ISDe6.7 NS4 CM2880 WFLD	ISL8.9 - CM850	L Gas Plus
ISB4.5/6.7 ISD4.5/6.7 CM2150 SN (EURO 5)	ISD6.7 CM2880 D101	ISL8.9 CM2150 SN	L9 CM2350 L119B
ISB5.9 CM2150 B111	ISD6.7 CM2880 D101	ISL8.9 CM2150 SN (Euro 4.5)	L9N CM2380 L124B/L130B
ISB5.9 CM2880	ISDe - CM2150	ISL8.9 CM2150 SN (Euro 5)	
ISB5.9 CM2880	ISF2.8 CM2220 F121	ISL 8.9 CM2350 L111	

## DVD 2 – Industrial Engines

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

QSB4.5 CM2150 B108/QSB6.7 CM2150 B109	QSB7 CM2880 B117/QSL9.3 CM2880 L113	QSM11	X15 CM2350 X125M/QSX15 CM2350 X131
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DVD 3 – HHP/PowerGen Engines

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

DVD 3 – Automotive

<b>ISB4.5 CM2620 E</b>	<b>ISL9.5 NS5 2880E IAT</b>	<b>X12 CM2670 X136B</b>
<b>ISF3.8 CM2620 A</b>	<b>X12 CM2670 X121B/X136B</b>	

DVD 3 – PDD

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

#### DVD 4 – Automotive Engines

B6.7 CM2350 B121B/B141B	ISB5.6 CM2670 B152B	ISX12N CM2380 X120B	X15 CM2350 X114B/X116B
F2.8 CM2620 F135B	ISB6.7 CM2670 B153B	ISX15 CM2250 SN	X15 CM2450 X124B/X134B
F2.8 CM2620 F136B	ISB5.9 G/ISC8.3 G CM2180/CM2380	L9 CM2350 L116B	
F3.8 CM2620 F137B/F138B	ISX12/11.9/15 CM2250	L10G	
F4.5 CM2620 F139B/F140B	ISX12 CM2350 X102/X103/X108/ISX15 CM2350 X101/X104/X109	X12 CM2350 X119B	

#### DVD 5 – Automotive Engines

B4.0 CM2620 B154B	ISB6.7 CM2350 B101	L9 CM2670 L128B	X15 CM2350 X123B
B6.2 CM2670 B156B	ISG12 G CMOH6.0 G111	N14 CM876 N108B	X15 CM2350 X123B
B6.7 G CMOH6.0 B125	ISX12 G CM2180/CM2380 EJ	R2.8 CM2220 R101B	Z14 CM2670 Z103B
D4.0 CM2620 D103B	ISX15 CM2350 X129	Signature/ISX	
D6.7 CM2670 D102B	L8.9G CMOH2.0 L125B	Signature/ISX - CM870	

#### DVD 5 - Industrial Engines

B4.5 CM2350 B146C	Centry CM2940	L9 CM2350 L120C	X15 CM2350 X127C/QSX15 CM2350 X105/X106/X118
B6.7 CM2350 B136C	F3.8 CM2350 F128C	QSB4.5/6.7 CM850(CM2850) / QSB5.9 CM850	

#### 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.