

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 February 2022 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. 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 DVD 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

February 2022 INCAL DVD-ROMs Content:

DVD 1 - Automotive Engines

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|---|-----------------------------|---|---------------------------------|
| Agility® Fuel Delivery System CM1881 AFS101 | ISB5.9 CM2880 B127 | ISF2.8 CM2220 F121 | ISL8.9/ISL9.5 CM2880 NS5 |
| B4.5 CM2620 B158B | ISB5.9 CM2880 B140 | ISF2.8 CM2220 F122 | ISL9 CM2250 |
| B5.9G | ISB5.9 CM2880 B149 | ISF2.8 CM2220 F126 | ISL9.5 CM2150 SN |
| C Gas/B Gas Plus | ISB6.7 CM2250 | ISF2.8 CM2220 IAN | ISLe - CM2150 |
| C8.3G | ISB6.7 CM2350 B103/B142 | ISF2.8/3.8 CM2220 | ISM |
| Celect | ISB6.7 CM2350 B135B/B148B | ISF2.8/3.8 CM2220 AN | ISM - CM870 |
| Celect Plus | ISB6.7 G CM2180/CM2380 B118 | ISF2.8/3.8 CM2220 F129/ISF4.5 CM2220 F123 | ISM - CM875 |
| D4.5 CM2620 D104B | ISB6.7 ISD6.7 CM2150 | ISF2.8/3.8 CM2220 IAN/F122 | ISM - CM876 |
| F3.8 CM2350 F132B | ISB-CM850 | ISF3.8 CM2220 AN | ISM11 CM876 M103 |
| ISB | ISBe (4 and 6 Cylinder) | ISF3.8 CM2220 F103/F115 | ISM11 CM876 SN |
| ISB - CM2150 | ISBe2/3 - CM850 | ISF3.8 CM2220 F110/F116 | ISM-Fuel Control Module - CM570 |
| ISB Daimler Chrysler | ISC - CM2150 | ISF3.8 CM2220 F134B | ISX - CM871 |
| ISB/ISD4.5 CM2150 B119 ISB/ISD6.7 CM2150 B120 | ISC/ISL | ISF3.8 CM2220 IAN | ISX/ISZ13 CM2150 SN |

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|--|---|--|------------------------|
| ISB/ISD6.7 CM2880 B126 | ISC/Transit Bus ISL8.3 - CM850 | ISF3.8 CM2350 F109 | ISZ13 NSV 2880E IAT |
| ISB3.9 CM2220 B107 | ISC8.3 CM2250 | ISF3.8 CM2350 F120 | L Gas Plus |
| ISB4.5 CM2350 B104 | ISD4.5 NSV/ISB5.9 NS4/ISDe6.7 NS4 CM2880 WFLD | ISG11 CM2880 G106/G108 ISG12 CM2880 G107/G109 | L10G |
| ISB4.5 CM2350 B129B/B147B | ISD6.7 CM2880 D101 | ISL - CM2150D | L9 CM2350 L119B |
| ISB4.5/6.7 ISD4.5/6.7 CM2150 SN | ISD6.7 CM2880 D101 | ISL 8.9 CM2350 L111 | L9N CM2380 L124B/L130B |
| ISB4.5/6.7 ISD4.5/6.7 CM2150 SN (EURO 5) | ISDe - CM2150 | ISL G - CM2180/CM2380 | X11 CM2670 X126B |
| ISB5.9 CM2150 B111 | ISF2.8 CM2220 AN | ISL8.9 - CM850 | X12 CM2450 X137B |
| ISB5.9 CM2880 | ISF2.8 CM2220 EC/ECF2/ECCF2 | ISL8.9 CM2150 SN | |
| ISB5.9 CM2880 | ISF2.8 CM2220 F101 | ISL8.9 CM2150 SN (Euro 4.5) | |
| ISB5.9 CM2880 B110 | ISF2.8 CM2220 F117 | ISL8.9 CM2150 SN (Euro 5) | |

DVD 2 – Industrial Engines

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|---------------------------------------|---------------------------------------|--|------------------------------------|
| 480C-E | QSB4.5 CM2150 B108/QSB6.7 CM2150 B109 | QSC8.3 CM850(CM2850) | QSN14 CM876 N103 |
| Celect Plus Industrial | QSB4.5 CM2350 B106/B122/B144 | QSC8.3/QL9 | QSX11.9/15 CM2250 ECF/X115 |
| CENSE | QSB4.5 CM2350 B174C | QSF2.8 CM2880 F104/F108/QSF3.8 CM2880 F112 | QSX15 |
| Centinel | QSB5.9 CM2880 B115/QSB6.7 CM2880 B116 | QSF2.8 CM2880 F105/F106/F114/F124/F123 | QSX15 CM2350 X130 |
| CENTRY | QSB5.9/44, 5.9/30, 4.5/30, 3.9/30 | QSF3.8/F3.8 CM2350 F107/F118/F119/F125/F133C/F142C | QSZ13 CM2150 Z101 |
| Centry CM2940 | QSB6.7 CM2350 B105/B130/B145 | QSG12/X12 CM2350 G110/G113 X144C | QSZ13 CM2150 Z102 |
| L9 CM2350 L120C | QSB6.7 CM2350/QL8.9 CM2350 T4F | QL9 CM2250 L106 | VTA903 CM2250 V105 |
| Next Generation Cense CM2330 | QSB6.7/QL 9 CM2250 | QL9 CM2250 L115 | X15 CM2350 X125M/QSX15 CM2350 X131 |
| PIM | QSB6.7/QL 9 CM2250 Komatsu | QL9 CM2350 L102/L118/L122 | X15 CM2350 X132C |
| QSB3.3 - CM2150 | QSB6.7-M CM2250 | QL9 CM850(CM2850) | |
| QSB3.3 CM2250 EC/B137 | QSB7 CM2880 B117/QL9.3 CM2880 L113 | QSM11 | |
| QSB3.9 CM2880 B138/QSB5.9 CM2880 B139 | QSC8.3 CM2880 C102 | QSN14 CM876 N102 | |

DVD 3 – HHP/PowerGen Engines

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|--|---|---|---------------------------------------|
| Gas Cense - QSK19G/45G/60G, QSV81/91 - CM850 | QSK 23/60/78 CM850 Power Gen Interface | QSK50/60 CM2350 MCRC 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 | QL9 CM850(CM2850) |

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| | | MCRS Power Gen/K123M - Secondary | |
| QSB4.5/6.7/7-DM CM850(CM2850) | QSK23/60/78 CM2250 K109/K112/K104 | QSK60 CM2350 K149M - Primary | QSL9 CM2350 L107 |
| QSB6.7 CM2350 B112 | QSK38 CM2350 K125/K138M - Primary | QSK60 CM2350 K149M - Secondary | QSM11 CM876 Power Gen/QSM11 CM876 M101/M102M |
| QSG12 CM2880 G112 | QSK38 CM2350 K125/K138M - Secondary | QSK78 CM2350 K126/K137/K154C - Primary | QST30 |
| QSK 19/23/45/60/78 | QSK38 CM850/CM2850 MCRS Power Gen/QSK38 CM2150 MCRS Power Gen - Primary | QSK78 CM2350 K126/K137/K154C - Secondary | QST30 CM2350 T101/T102 - Primary |
| QSK 19G/38G/60G, QSV81/91 - CM700/CM2358 | QSK38 CM850/CM2850 MCRS Power Gen/QSK38 CM2150 MCRS Power Gen - Secondary | QSK95 CM2350 K111 - Primary | QST30 CM2350 T101/T102 - Secondary |
| QSK 19G/38G/60G, QSV81/91 - SSM558/CM2358 | QSK38 CM850/CM2850 MCRS/QSK38 CM2150 MCRS - Primary | QSK95 CM2350 K111 - Secondary | QST30 - CM850 - Power Generation |
| QSK 23/60/78 CM500 Power Gen | QSK38 CM850/CM2850 MCRS/QSK38 CM2150 MCRS - Secondary | QSK95 CM2350 K113/K128M - Primary | QST30 - Power Gen |

DVD 3 – Automotive Engines

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| B6.7 CM2350 B121B/B141B | | | |
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DVD 4 – Automotive Engines

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|-------------------------------|---|--------------------------|-----------------------|
| 15N CM2380 M104B/M105B | F2.8 CM2620 F135B | ISX12 G CM2180/CM2380 EJ | L9 CM2450 L126B/L127B |
| B6.2 CM2670 B156B | F2.8 CM2620 F136B | ISX12/11.9/15 CM2250 | X12 CM2350 X119B |
| ISB6.7 CM2670 B153B | F3.8 CM2620 F137B/F138B | ISX12N CM2380 X120B | |
| B6.7 CM2670 EUVI | ISX12 CM2350 X102/X103/X108/ISX15 CM2350 X101/X104/X109 | ISX15 CM2250 SN | |

DVD 5 – Automotive Engines

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|-------------------------------|-------------------------------|----------------------|-----------------------------|
| B4.0 CM2620 B154B | D6.7 CM2670 D102B/D106B/D107B | ISL8.9 CM2670 E | B6.7 G CMOH6.0 B125 |
| B6.7 CM2670 B167B/B168B/B169B | ISB4.5 CM2620 E | ISL9.5 NS5 2880E IAT | ISG12 G CMOH6.0 G111 |
| B6.7N CM2380 B150B | ISB6.2 CM2670 E | L9 CM2670 L128B | L8.9G CMOH2.0 L125B |
| BES CM2450 EV101B | ISD 5L EU VI | N14 CM876 N108B | |
| D4.0 CM2620 D103B | ISF3.8 CM2620 A | R2.8 CM2220 R101B | |

DVD 5 - Industrial Engines

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|-------------------------|---|--|
| B4.5 CM2350 B146C | QSB4.5 CM2250 EC/B131 | Stage V Komatsu MR |
| B6.7 CM2350 B136C | QSB4.5/6.7 CM850(CM2850) / QSB5.9 CM850 | X15 CM2350 X127C/QSX15 CM2350 X105/X106/X118 |
| F3.8 CM2350 F128C/F143C | QSB6.7 CM2250 EC/B128 | Z13 CM2880 Z104G |

DVD 5 – PDD

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| Aftertreatment Diesel Exhaust Fluid Controller | Engine Fuel Supply Pump | Throttle Actuator |
|--|-------------------------|-------------------|

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| 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

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|---|--|------------------------|------------------|
| B6.7 CM2450 B155B | ISBe4 (4 and 6 cylinder) | ISZ13 CM2150 | X15 CM2350 X123B |
| F4.5 CM2620 F139B/F140B | ISC8.3 CM2880 SN/ISL8.9 CM2880 L112 | Signature/ISX | X15 CM2350 X123B |
| ISB4.5/6.7 ISD4.5/6.7 CM2150 SN (Euro 4.5) | ISL9 CM2350 L101/L108/L109/L123B | Signature/ISX - CM870 | Z14 CM2670 Z103B |
| ISB5.6 CM2670 B152B | ISLe4 (6 cylinder) | X12 CM2670 X121B/X136B | |
| ISB5.9 G/ISC8.3 G CM2180/CM2380 | ISV5 CM3230 V104 | X12 CM2670 X136B | |
| ISB6.7 CM2350 B101 | ISX15 CM2350 X129 | X13 CM2670 X122B | |

DVD 7 – Automotive Engines

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|-----------------|------------------------|------------------------|--|
| L9 CM2350 L116B | X15 CM2350 X114B/X116B | X15 CM2450 X124B/X134B | |
|-----------------|------------------------|------------------------|--|

*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.