

**PREVENT DATA LOSS!! Secure the ignition key, disconnect the drive-shaft. If disconnecting battery, shut engine off and wait 1 minute before disconnecting!**



Forensic Link Adapter (FLA) Coverage (Only to be used as a Guide)							FLA Capable?			SSS2 Capable?			DG Diagnostics Capable?
Engine Manufacturer	Engine and/or ECM Model	Year (Introduced)	Config Data	Triggered Events	Speed Related Data	Diagnostic Record	Y	N	Available Data (DP = Data Plate)	Y	N	Cable #	^ DPA 4 (pre-multi CAN) ^ DPA 5 PRO (pre/post-multi CAN)
BENDIX	ABS Controller (EC60-EC80 modules)	2005	Yes	No	No	Yes		No		Yes		SSS2-BDX-Chassis	Yes
												SSS2-Bendix	Yes
CATERPILLAR	ADEM II	1993-1998	Yes	No	Maybe Note 1	Yes	Yes		DP ONLY	Yes		SSS2-ADEM2	Yes
CATERPILLAR	ADEM 2000	1998-2001	Yes	No	Maybe Note 27	Yes	Yes		DP & SPEED	Yes		SSS2-ADEM3	Yes
CATERPILLAR	ADEM III	2003-2006	Yes	No	Maybe Note 27	Yes	Yes		DP & SPEED	Yes		SSS2-ADEM3	Yes
CATERPILLAR	ADEM III Bridge	2002	Yes	No	Maybe Note 27	Yes	Yes		DP & SPEED	Yes		SSS2-ADEM3	Yes
CATERPILLAR	ADEM IV	2005	Yes	No	Maybe Note 28	Yes	Yes		DP & SPEED	Yes		SSS2-ADEM4	Yes
CATERPILLAR	C7 (Note 18)	2003-2009	Yes	No	Maybe Note 28	Yes	Yes		DP & SPEED	Yes		(Deutsch 9-pin)	Yes
CATERPILLAR	C9 (Note 18)	2011-2015	Yes	No	Yes	Yes	Yes		DP & SPEED	Yes		(Deutsch 9-pin)	Yes
CATERPILLAR	C11 (Note 18)	2011-2015	Yes	No	Yes	Yes	Yes		DP & SPEED	Yes		(Deutsch 9-pin)	Yes
CATERPILLAR	C15(Note 18)	2011-2015	Yes	No	Yes	Yes	Yes		DP & SPEED	Yes		(Deutsch 9-pin)	Yes
CATERPILLAR	C13 (Note 18)	2007	Yes	No	Yes	Yes	Yes		DP & SPEED	Yes		(Deutsch 9-pin)	Yes
CATERPILLAR	ADEM A4(Note 18)	2014-2015	Yes	No	No	Yes	Yes		DP & SPEED	Yes		SSS2-ADEM4	Yes
CUMMINS	Celect	1993	Yes	No	No	Yes		No			No		Yes
CUMMINS	Celect Plus	1996	Yes	No	No	Yes		No			No		Yes
CUMMINS	ISL G-CM218 (note 32)		Yes	Note 3	No	Yes	Yes		DP ONLY		No		Yes
CUMMINS	CM500		Yes	Yes	Yes	Yes	Yes		DP ONLY	Yes		SSS2-CM500	Yes
CUMMINS	CM570		Yes	Yes	Yes	Yes	Yes		DP ONLY	Yes		SSS2-CM500	Yes
CUMMINS	CM850	2002	Yes	Note 3	No	Yes	Yes		DP ONLY	Yes		SSS2-CM800	Yes
CUMMINS	CM870	2002	Yes	Note 3	No	Yes	Yes		DP ONLY	Yes		SSS2-CM800	Yes
CUMMINS	CM871	2008	Yes	Yes	No	Yes	Yes		DP ONLY	Yes		SSS2-CM800	Yes
CUMMINS	CM875	2008	Yes	Yes	No	Yes	Yes		DP ONLY	Yes		SSS2-CM800	Yes
CUMMINS	CM876	2008	Yes	Yes	No	Yes	Yes		DP ONLY	Yes		SSS2-CM800	Yes
CUMMINS	CM2150	1998	Yes	Note 2/3	No	Yes	Yes		DP ONLY	Yes		SSS2-CM2150	Yes
CUMMINS	ISX12G-CM2180 EJ (note 32)	2013	Yes	Yes	No	Yes	Yes		DP ONLY		No		Yes
CUMMINS	ISX12/11.9/15-CM2250		Yes	Yes	No	Yes	Yes		DP ONLY	Yes		SSS2-CM2250	Yes

**PREVENT DATA LOSS!! Secure the ignition key, disconnect the drive-shaft. If disconnecting battery, shut engine off and wait 1 minute before disconnecting!**



Forensic Link Adapter (FLA) Coverage (Only to be used as a Guide)							FLA Capable?			SSS2 Capable?			DG Diagnostics Capable?
Engine Manufacturer	Engine and/or ECM Model	Year (Introduced)	Config Data	Triggered Events	Speed Related Data	Diagnostic Record	Y	N	Available Data (DP = Data Plate)	Y	N	Cable #	^ DPA 4 (pre-multi CAN) ^ DPA 5 PRO (pre/post-multi CAN)
CUMMINS	CM2250		Yes	Note 2/3	No	Yes	Yes		DP ONLY	Yes		SSS2-CM2250	Yes
CUMMINS	ISB-4.5-CM2350 B104	2013	Yes	Note 2/3	No	Yes	Yes		DP ONLY	Yes		SSS2-CM2350	Yes
CUMMINS	ISB-6.7-CM2350 B101	2013	Yes	Note 2/3	No	Yes	Yes		DP ONLY	Yes		SSS2-CM2350	Yes
CUMMINS	ISX12/15-CM2350 x102/x101	2013	Yes	Yes	No	Yes	Yes		DP ONLY	Yes		SSS2-CM2350	Yes
CUMMINS	CM2450	2021	Yes	Yes	No	Yes	Yes		DP ONLY	Yes		SSS2-CM2350	Yes
DETROIT	DDEC III	1993	Yes	Yes (Note 29)	No	No		No	DP ONLY		No		Yes
DETROIT	DDEC IV	1997	Yes	Yes	Yes	Yes	Yes		DP & SPEED	Yes		SSS2-DDEC4	Yes
DETROIT	DDEC V	2004	Yes	Yes	Yes	Yes	Yes		DP & SPEED	Yes		SSS2-DDEC5	Yes
DETROIT	DDEC VI	2007-2010	Yes	Yes	Yes	No	Yes		DP ONLY	Yes		SSS2-DDEC6 (CPC)	Yes
DETROIT	DDEC10	2010	Yes	Yes	Yes	Yes	Yes		DP ONLY	Yes		SSS2-ACM	Yes
												SSS2-MCM	Yes
												SSS2-DDEC10/13	Yes
DETROIT	DDEC13	2013	Yes	Yes	Yes	Yes	Yes		DP ONLY	Yes		SSS2-ACM	Yes
												SSS2-MCM	
												SSS2-TCM	
DETROIT	DDEC15	2015	Yes	Yes	Yes	Yes	Yes		DP ONLY	Yes		SSS2-DDEC10/13	Yes
												SSS2-ACM	
												SSS2-MCM	
DETROIT	DDEC16	2016	Yes	Yes	Yes	Yes	Yes		DP ONLY	Yes		SSS2-TCM	Yes
												SSS2-DDEC10/13 (CPC2 & CPC4)	
												SSS2-CPC3-Evo (CPC3)	
												SSS2-"TBD" (CPC5)	

**PREVENT DATA LOSS!! Secure the ignition key, disconnect the drive-shaft. If disconnecting battery, shut engine off and wait 1 minute before disconnecting!**



Forensic Link Adapter (FLA) Coverage (Only to be used as a Guide)							FLA Capable?			SSS2 Capable?			DG Diagnostics Capable?
Engine Manufacturer	Engine and/or ECM Model	Year (Introduced)	Config Data	Triggered Events	Speed Related Data	Diagnostic Record	Y	N	Available Data (DP = Data Plate)	Y	N	Cable #	^ DPA 4 (pre-multi CAN) ^ DPA 5 PRO (pre/post-multi CAN)
INTERNATIONAL	I63BX:3 Box I6	1994-1997	Yes	No	No	Yes	Yes		DP ONLY		No		Yes
INTERNATIONAL	V83BX:3 Box V8	1994-1997	Yes	No	No	Yes	Yes		DP ONLY		No		Yes
INTERNATIONAL	i308:DLC I6	1998-2004	Yes	No	No	Yes	Yes		DP ONLY		No		Yes
INTERNATIONAL	T444E:DLC V8	1998-2004	Yes	No	No	Yes	Yes		DP ONLY		No		Yes
INTERNATIONAL	I313:DLCII I6	2005-2006	Yes	No	No	Yes	Yes		DP ONLY		No		Yes
INTERNATIONAL	V128:DLCII V8	2005-2006	Yes	No	No	Yes	Yes		DP ONLY		No		Yes
INTERNATIONAL	V126:DLCII V6	2005-2006	Yes	No	No	Yes	Yes		DP ONLY		No		Yes
INTERNATIONAL	v155:MaxxForce 5	2007-2009	Yes	Note 4	No	Yes	Yes		DP ONLY		No		Yes
INTERNATIONAL	v124:MaxxForce 7	2007-2009	Yes	Note 4	No	Yes	Yes		DP ONLY		No		Yes
INTERNATIONAL	v152:MaxxForce 7	2010-2012	Yes	Yes	No	Yes	Yes		DP ONLY		No		Yes
INTERNATIONAL	v179:MaxxForce 7	2013+	Yes	Yes	No	Yes	Yes		DP ONLY		No		Yes
INTERNATIONAL	i326:MaxxForce 7 DT, 9&10	2007-2009	Yes	Yes	No	Yes	Yes		DP ONLY		No		Yes
INTERNATIONAL	i466:MaxxForce 7 DT, 9&10	newer	Yes	Yes	No	Yes	Yes		DP ONLY		No		Yes
INTERNATIONAL	i334:MaxxForce 7 DT, 9&10	2010-2012	Yes	Yes	No	Yes	Yes		DP & SPEED		No		Yes
INTERNATIONAL	N9, N10 SCR	2014 +	Yes	Yes	No	Yes	Yes		DP & SPEED		No		Yes
INTERNATIONAL	N13 SCR	2013-2014	Yes	Yes	No	Yes	Yes		DP & SPEED	Yes		SSS2-MaxxForce	Yes
INTERNATIONAL	N13 SCR	2015	Yes	Yes	No	Yes	Yes		DP & SPEED	Yes		SSS2-MaxxForce	Yes
INTERNATIONAL	International A26 engine (SCR)	2017 +	Yes	Yes	No	Yes	Yes		DP & SPEED		No		Yes
INTERNATIONAL	i367:MaxxForce 7 DT, 9&10	2013	Yes	Yes	No	Yes	Yes		DP ONLY		No		Yes
INTERNATIONAL	i766:MaxxForce 11/13	2008-2009	Yes	Yes	No	Yes	Yes		DP & SPEED	Yes		SSS2-MaxxForce	Yes
INTERNATIONAL	1BBG13 (MaxxForce 13)		Yes	Yes	No	Yes	Yes		DP & SPEED	Yes		SSS2-MaxxForce	Yes
INTERNATIONAL	i783:MaxxForce 11/13	2010-2012	Yes	Yes	No	Yes	Yes		DP & SPEED	Yes		SSS2-MaxxForce	Yes
INTERNATIONAL	B764:MaxxForce 11/13	2013-2013.5	Yes	Yes	No	Yes	Yes		DP & SPEED	Yes		SSS2-MaxxForce	Yes
INTERNATIONAL	i770:MaxxForce 15	2010-2013	Yes	Yes	No	Yes	Yes		DP & SPEED	Yes		SSS2-MaxxForce	Yes
INT'L NAV (NED)	i746:N9/N10 SCR	2014+	Yes	Yes	No	Yes	Yes		DP & SPEED		No		Yes

**PREVENT DATA LOSS!! Secure the ignition key, disconnect the drive-shaft. If disconnecting battery, shut engine off and wait 1 minute before disconnecting!**



Forensic Link Adapter (FLA) Coverage (Only to be used as a Guide)							FLA Capable?			SSS2 Capable?			DG Diagnostics Capable?
Engine Manufacturer	Engine and/or ECM Model	Year (Introduced)	Config Data	Triggered Events	Speed Related Data	Diagnostic Record	Y	N	Available Data (DP = Data Plate)	Y	N	Cable #	^ DPA 4 (pre-multi CAN) ^ DPA 5 PRO (pre/post-multi CAN)
INT'L NAV (NED)	B718:N13 SCR	2013-2014	Yes	Yes	No	Yes	Yes		DP & SPEED		No		Yes
INT'L NAV (NED)	B745:N13 SCR	2015+	Yes	Yes	No	Yes	Yes		DP & SPEED		No		Yes
MACK (note 37)	V-Mac III	1998-2007	Yes	Yes Note 36	Yes Note 5	Yes		No			No		Yes
MACK (note 37)	V-Mac IV	2006-2013	Yes	Yes Note 4	Yes	Yes		No			No		Yes
MACK (note 37)	V-Mac IV (Plus)	2014 +	Yes	Yes	Yes	Yes		No			No		Yes
MACK (note 37)	MP7		Yes			Yes		No			No		Yes
MACK (note 37)	MP8		Yes			Yes		No			No		Yes
MACK (note 37)	MP10	2008	Yes			Yes		No			No		Yes
Mercedes (MBE)	PLD w/VCU (4000 Series)	2000	Yes	Yes Note 6	Yes Note 6	Yes Note 6	Yes		DP & SPEED	Yes		SSS2-VCU/PLD SSS2-MBE	Yes
Mercedes (MBE)	MBE 400 (medium duty)	2000	Yes	Yes Note 6	Yes Note 6	Yes Note 6	Yes		DP & SPEED	Yes		SSS2-VCU/PLD SSS2-MBE	Yes
Mercedes (MBE)	MBE 900 (medium & heavy duty)	2000	Yes	Yes Note 6	Yes Note 6	Yes Note 6	Yes		DP & SPEED	Yes		SSS2-VCU/PLD SSS2-MBE	Yes
Mercedes (MBE)	MBE 4000 (heavy duty)	2000	Yes	Yes Note 6	Yes Note 6	Yes Note 6	Yes		DP & SPEED	Yes		SSS2-VCU/PLD SSS2-MBE	Yes
Mercedes (MBE)	MBE OM471	2000	Yes	Yes Note 6	Yes Note 6	Yes Note 6	Yes		DP & SPEED	Yes		SSS2-ACM SSS2-MCM SSS2-TCM SSS2-DDEC10/13	Yes
PACCAR	PX-6(ISB) Note 13	2007	Yes	Yes	No	Yes	Yes		DP ONLY		No		Yes
PACCAR	PX-7(ISC) Note 13	2007	Yes	Yes	No	Yes	Yes		DP ONLY		No		Yes
PACCAR	PX-8(ISC) Note 13	2007	Yes	Yes	No	Yes	Yes		DP ONLY		No		Yes
PACCAR	PX-9(ISL) Note 13	2012	Yes	Yes	No	Yes	Yes		DP ONLY		No		Yes

**PREVENT DATA LOSS!! Secure the ignition key, disconnect the drive-shaft. If disconnecting battery, shut engine off and wait 1 minute before disconnecting!**



Forensic Link Adapter (FLA) Coverage (Only to be used as a Guide)							FLA Capable?			SSS2 Capable?			DG Diagnostics Capable?
Engine Manufacturer	Engine and/or ECM Model	Year (Introduced)	Config Data	Triggered Events	Speed Related Data	Diagnostic Record	Y	N	Available Data (DP = Data Plate)	Y	N	Cable #	^ DPA 4 (pre-multi CAN) ^ DPA 5 PRO (pre/post-multi CAN)
PACCAR	MX11 Note 34	2015	Yes	Yes Note 33	Yes Note 33	Yes	Yes		DP & SPEED	Yes		SSS2-MX	Yes
PACCAR	MX17 Note 34	2017	Yes	Yes Note 33	Yes Note 33	Yes	Yes		DP & SPEED	Yes		SSS2-MX	Yes
PACCAR	MX13 Note 34	2010	Yes	Yes Note 33	Yes Note 33	Yes	Yes		DP & SPEED	Yes		SSS2-MX	Yes
VOLVO	HD Engines Note 38	2002	Yes	No Note 7	No Note 7	Yes		No			No		Yes
VOLVO	HD Engines Note 38	2010	Yes	Yes	Yes	Yes		No			No		Yes
VOLVO	D11 Note 38	2010	Yes	Yes	Yes	Yes		No			No		Yes
VOLVO	D12 Note 38	ended MY 2008	Yes	No Note 7	No Note 7	Yes		No			No		Yes
VOLVO	D13 Note 38	2011	Yes	Yes	Yes	Yes		No			No		Yes
VOLVO	D16 Note 38		Yes	Yes	Yes	Yes		No			No		Yes
WABCO	ABS Controller		Yes	No	No	Yes		No	DP ONLY	Yes		SSS2-Wabco	Yes

Notes / Definitions	
<b>Note 01</b>	ECM Must Have software revision after November 1995; All quick stop collection capabilities are defaulted OFF at the factory. Internal clock on most models (except S/N starting with "CA"); if main power is interrupted the snap shot data will be lost. However, the engine fault codes will remain
<b>Note 02</b>	Sudden Decel Data Available Starting in 2007
<b>Note 03</b>	Sudden Decel Data Available starting in 2002, with ECM Software Revisions from Late 2004. In some models, sudden deceleration is turned off
<b>Note 04</b>	Data Avail with ECM Software Revisions 3.8.1 or Higher
<b>Note 05</b>	Data Avail with ECM VECU step 12 software revision. One acceleration-triggered event and one last stop event
<b>Note 06</b>	Data Avail with ECM software revisions 12.09 or higher, in MY 2000 and newer engines have the ability to record events.
<b>Note 07</b>	Data Avail with EPA MY2010 (post October) Engines having updated software (pre-2010 = no speed data). Trucks built prior to Oct 2010 did not have hard brake or last stop data, but may have relevant Freeze Frame Data
<b>Note 13</b>	Paccar PX6 (ISB), PX8(ISC) and PX9(ISL) are Cummins engines and Insite/Power Spec. Software should work as well.
<b>Note 18</b>	After 2010 (MY2011), some CAT ECM's can be download with Service Maxx/NED (J1939) (Deutsch only)

**PREVENT DATA LOSS!! Secure the ignition key, disconnect the drive-shaft. If disconnecting battery, shut engine off and wait 1 minute before disconnecting!**



Notes / Definitions	
<b>Note 27</b>	All quick stop data collection capabilities are defaulted OFF at the factory. No longer fuel stabilized. All have an internal battery to maintain the clock and data. Faster processing speeds. Will hold up to 4 snap shots +1 quick stop (if enabled)
<b>Note 28</b>	All quick stop data collection capabilities are defaulted OFF at the factory for early 2007.
<b>Note 29</b>	A data recorder is not standard equipment. Offered as an option at 1997 with release 5.00. Data collection capabilities are defaulted OFF at the factory. This unit will record engine data and diagnostic data only. This unit will only collect 14 days of data. The unit includes a clock with no back up internal battery. ECM clock needs to be reset every time power is removed. If power is lost, any data stored on the EEPROM can be retrieved
<b>Note 32</b>	Natural Gas Engine (signified by the letter "G") May have a tag on truck door "CNG"
<b>Note 33</b>	DAVIE4 Release Notes (4/9), describes the FSR is also now disabled in both MY18 and MY17 MX engines. This has been tested and has gone back to MY2016 in some ECM's
<b>Note 34a</b>	If you receive a download from a Paccar ECM and the download has all zero's for all 3 Fast Stop records including vehicle distance and engine time, 2 possibilities: (1) Fast stop is not enabled, (2) Fast stop is enabled and the data has been reset
<b>Note 34b</b>	Take a look at the 'Chassis Parameter History' report to view the original parameter vs. current parameter setting and history. Log into PVP>Reports (upper right corner)>Chassis Parameter History. Select a start (I use the build date) and end date (I use the crash date). The report (*.csv) will display the modified parameter setting, date and user name. I also prefer the DAVIE4 parameter method over the PVP parameter. Alternatively, and this may not give you a definitive answer, have a dealership give you a printout from Vehicle Pro for that chassis. The field for Fast stop parameter might reveal if it enabled/disabled. The Davie method would be preferred over Vehicle Pro
<b>Note 36</b>	Acceleration triggered events (VECU Step 5 through Step 11)
<b>Note 37</b>	Volvo acquired Mack in 2001
<b>Note 38</b>	Airbags added to Volvo trucks in 2002 (standard equip but can be deleted during ordering). First gen SRS ECU supplied by Bosch (2002-2010), Second gen SRS ECU supplied by Continental (2010 +.) Both generations of SRS ECU can store two events (crash event (deployment) and near crash event (non-deployment)). Data is limited to crash pulse only. Does not store any pre-crash parameters, but you can get longitudinal data and fault codes. May not store all data if rapid power loss occurs - no capacitors in modules. 2016 Volvo started to be able to image the SRS ECU. They can only be imaged through direct connection - no comms over vehicle network. Mounted on inside of bulkhead

\* **DG Diagnostics** (DGD) is software included with the FLA and DPA products that displays faults, component information, and basic vehicle parameters from the J1708/J1587 and CAN/J1939 data buses. DGD may reduce the need to purchase full-featured OEM software. Additionally, within this application is the benefits of live streaming data capabilities along with multiple module identification across the supported platforms and the ability to print all of the data in a detailed and presentable format for a detailed forensic image of the components.

Disclaimer

Although every effort has been made to provide complete and accurate information, Synercon Technologies (dba DG Technologies) makes no warranties, expressed or implied, or representations as to the accuracy of content on this document. Synercon Technologies assumes no liability or responsibility for any error or omissions in the information contained in this document.

**PREVENT DATA LOSS!! Secure the ignition key, disconnect the drive-shaft. If disconnecting battery, shut engine off and wait 1 minute before disconnecting!**



Revision Table

Rev#	Description
2	Minor formatting corrections. Added revision tracking. Added Cummins CM2450 coverage information. Added Detroit DDEC16 SSS2 cable clarification options dependent on vehicle configuration.