What marine engines are found to have J1939 capability?

544 Mark Oslund March 18, 2020 J2K100 0 38.13K

Following is a table showing engines and their J1939 capability.

Engine manufacturer	Controller Module	J1939 Capable standard?	Must Be Ordered With J1939 Capabilities.
Caterpillar	ADEM III and A4/C4.4, C6.6, C9, C15, C18, C32 "Acerts series"	Yes: J1939 Tx	
Cummins	CM570 and CM850/QSL, QSB5 and 7, QSM11, QSK19,50 and 60 (Typically 2005 or newer)	Yes: J1939 Tx	
Detroit Diesel	DDEC III and IV/Series 50, 60 and 2000 Rx	Yes: J1939 Tx	
Deutz	EMR 2 (EMR)/912, 913, 914 and L2011	Yes: J1939 Tx	
Iveco EDC7	(Bosch MS6.2)/Series NEF, CURSOR and VECTOR 8	Yes: J1939 Tx	
John Deere	JDEC/PowerTech M, E and Plus	Yes: J1939 Tx	
MAN	MMDS series	Yes: J1939 Tx	
MTU MDEC	module M.302 or M.303/Series 2000 and 4000	NO: J1939 Tx	Yes
MTU MDEC	module M.201 or M.304/Series 2000 and 4000 Rx	NO: J1939 Tx	Yes
MTU	ADEC/Series 2000 and 4000	NO: J1939 Tx	Yes
Perkins	Series 1100, 1300, 2300 and 2800	Yes: J1939 Tx	
Scania	EMS	Yes: J1939 Tx	
Scania	EMS S6 (KWP2000)/Dx9x, Dx12x, D13x, Dx16x	Yes: J1939 Tx	
Steyr Motors	M1-CU, 4/6 cylinder Solas		
Volvo Penta	EDC4, EMS, EMS 2, EDCIII/D6, D7, D9, D12 and D16, EVC models, EDC (GE and AUX variants	Yes: J1939 Tx	

	only)		
Yanmar	BY2 series, LY-series	Yes: J1939 Tx	
Crusader	MPI series ECM-07	Yes: J1939 Tx	

What should I look for when considering the J2K100 gateway/bridge?

Technicians can look for an engines diagnostic connection in close proximity to an engine ECU. Generally, most diagnostic connectors used by the engine manufacturers are standard and manufactured by Deutsch connector company. Under article attachments, Maretron provides a printable cheat sheet to help technicians identify engine J1939 connections and the engine connectors known pin designations. Note: take caution when tampering with Engine ECUs, always refer to the engines service manual and or consult the engine manufacturer for the correct connection to use for the J2K100.

Maretron strongly encourages to consult with their engine's manufacture to validate your specific setup, providing the VIN # or Serial # of appropriate equipment and confirm where to safely access J1939 data if available.

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