

SAE J1939

Part 13 and part 71 updated

In October, new versions of the J1939-13 (diagnostic connector) and the J1939-71 specifications (parameters) have been released. The documents are available by SAE.

You can also subscribe to the [SAE J1939 standards collection](#), in order to have an up-to-date online access to all J1939 documents. The SAE J1939-13 specifies the diagnostic connectors used for off-board connection to a vehicle's SAE J1939 communication links. The defined diagnostic connectors support connection to the twisted shielded pair media (SAE J1939-11), the unshielded twisted pair (SAE J1939-15), the twisted pair of (SAE J1939-14), as well as the twisted unshielded quad media (ISO 11783-2). The reviewed document includes reference to SAE J1939-16 bit-rate detection when a diagnostic tool is designed to support either 250 kbit/s or 500 kbit/s.

The J1939-71 document is the reference document for the conventions and notations that specify parameter placement in PGN data fields, the conventions for ASCII parameters, and conventions for PGN transmission rates. This document previously contained the majority of the SAE J1939 data parameters and messages for information exchange between the ECU applications connected to the SAE J1939 communications network. It also contained reference figures and reference information. The data parameters (SPNs), messages (PGNs) and reference figures and information previously published within this document are now published in SAE J1939DA. The new release provides some editorial improvements and clarifications.



*The J1939-13 connector is used for diagnostic purposes in heavy-duty vehicles
(Photo: Au Group Electronics)*

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