



SURFACE VEHICLE RECOMMENDED PRACTICE

J1930™

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Superseding J1930 MAR2017

Electrical/Electronic Systems Diagnostic Terms, Definitions, Abbreviations,
and Acronyms - Equivalent to ISO 15031-2

RATIONALE

This SAE Recommend Practice supersedes SAE J1930 MAR2017 and is technically equivalent to ISO 15031-2. This document provides guidelines for industry standard terms, definitions, abbreviations, and acronyms to enable common terminology for diagnostic tools and publications.

FOREWORD

As the number of sophisticated electrical and electronic (E/E) systems on motor vehicles has increased, the number of terms, abbreviations, and acronyms which describe various components of these systems has increased enormously. To bring some order to the proliferation of such terms, abbreviations, and acronyms, the Vehicle E/E Diagnostic Systems Committee has prepared this document.

The nomenclature used to convey automotive service information is being standardized in order to more accurately convey information to technicians faced with the diagnosis and repair of increasingly complex vehicles.

To be properly descriptive, each type of automotive nomenclature requires a consistent methodology. This document is concerned with a methodology for naming objects and systems and with the set of words from which names are built.

The methodology allows objects and systems to be completely described without ambiguity. It also is able to generate names which distinguish among similar objects or systems without confusion, but with brevity. Using terms which are well-defined within the context of the automotive service industry, the methodology allows already existing imprecise names to be suitably changed and future names to be assigned in a predictable way which will reliably convey meaning to the technician.

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TABLE OF CONTENTS

1.	SCOPE.....	3
1.1	Purpose.....	3
2.	NORMATIVE REFERENCES.....	3
2.1	Applicable Documents.....	3
2.1.1	SAE Publications.....	3
2.1.2	ISO Publications.....	3
2.2	Related Publications.....	4
2.2.1	SAE Publications.....	4
2.2.2	ISO Publications.....	4
3.	HOW TO USE THIS DOCUMENT.....	4
4.	METHODOLOGY.....	4
4.1	Naming Objects.....	4
4.1.1	Base Words.....	5
4.1.2	Modifiers.....	5
4.1.3	Technological Terms.....	5
4.2	Naming Systems.....	6
4.3	Shortened Names.....	6
4.3.1	Acronyms.....	6
4.3.2	Abbreviations.....	7
4.4	Indexing of Name.....	7
4.5	Alphanumeric Descriptors.....	7
5.	REVISION PROCEDURES.....	8
6.	NOTES.....	8
6.1	Revision Indicator.....	8
APPENDIX A	REQUEST FOR REVISION TO SAE J1930DA ELECTRICAL/ELECTRONIC SYSTEMS DIAGNOSTIC TERMS, DEFINITIONS, ABBREVIATIONS, AND ACRONYMS.....	9
Example 1	Modifier usage example.....	5
Example 2	Alphanumeric descriptors example.....	8

1. SCOPE

1.1 Purpose

This SAE Recommended Practice supersedes SAE J1930 MAR2017 and is technically equivalent to ISO 15031-2. This document is applicable to all light-duty gasoline and diesel passenger vehicles and trucks, and to heavy-duty gasoline vehicles. Specific applications of this document include diagnostic, service and repair manuals, bulletins and updates, training manuals, repair databases, underhood emission labels, and emission certification applications.

This document should be used in conjunction with SAE J1930DA Digital Annexes, which contain all of the information previously contained within the SAE J1930 tables.

These documents focus on diagnostic terms applicable to electrical/electronic systems, and therefore also contain related mechanical terms, definitions, abbreviations, and acronyms.

Even though the use and appropriate updating of these documents is strongly encouraged, nothing in these documents should be construed as prohibiting the introduction of a term, abbreviation, or acronym not covered by these documents.

Certain terms have already been in common use and are readily understood by manufacturers and technicians, but do not strictly follow the methodology of this document. The SAE J1930 committee may approve these terms that already may be considered industry standards. These terms fall into three categories:

- a. Acronyms that do not logically fit the term.
- b. Acronyms existing at the component level, i.e., their terms contain the base word or noun that describes the generic item that is being further defined.
- c. Acronyms for terms that appear to contain the base word, but are frequently used as a modifier to another base word. (This use may possibly be thought of as following the methodology since the acronym is normally used as a modifier.)

2. NORMATIVE REFERENCES

This document, in conjunction with SAE J1930DA, provides standardization of terms and definitions for the listed specifications.

2.1 Applicable Documents

The following publications form a part of this specification to the extent specified herein. Unless otherwise indicated, the latest version of SAE publications shall apply.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

SAE J1930DA J1930 Electrical/Electronic Systems Diagnostic Terms, Definitions, Abbreviations, and Acronyms Web Tool Spreadsheet

2.1.2 ISO Publications

Copies of these documents are available online at <https://webstore.ansi.org/>.

ISO 15031-2 Road vehicles - Communication between vehicle and external equipment for emissions-related diagnostics - Part 2: Guidance on terms, definitions, abbreviations and acronyms