



## TABLE OF CONTENTS

1.	SCOPE.....	2
1.1	Purpose.....	2
2.	NORMATIVE REFERENCES.....	3
2.1	Applicable Publications.....	3
2.1.1	SAE Publications.....	3
2.1.2	ISO Publications.....	3
3.	HOW TO USE THIS DOCUMENT.....	4
4.	METHODOLOGY.....	4
4.1	Naming Objects.....	4
4.1.1	Base Words.....	4
4.1.2	Modifiers.....	5
4.1.3	Technological Terms.....	5
4.2	Naming Systems.....	5
4.3	Shortened Names.....	5
4.3.1	Acronyms.....	5
4.3.2	Abbreviations.....	6
4.4	Indexing of Name.....	6
4.5	Alphanumeric Descriptors.....	6
5.	REVISION PROCEDURES.....	7
6.	NOTES.....	8
6.1	Marginal Indicia.....	8
	REQUEST FOR REVISION TO SAE J1930-DA ELECTRICAL/ELECTRONIC SYSTEMS DIAGNOSTIC TERMS, DEFINITIONS, ABBREVIATIONS AND ACRONYMS.....	9
APPENDIX A	APPROVED TERMS.....	10
APPENDIX B	J1979 PID ACRONYMS.....	18
APPENDIX C	MODULE NAMES.....	26
APPENDIX D	GLOSSARY.....	33
APPENDIX E	FIGURES.....	39
APPENDIX F	HISTORICAL REFERENCE.....	43
EXAMPLE 1	MODIFIER USAGE EXAMPLE.....	4
EXAMPLE 2	ALPHANUMERIC DESCRIPTORS EXAMPLE.....	7
FIGURE 1	SENSOR AND ACTUATOR DEFINITIONS AND LOCATIONS.....	40
FIGURE 2	ORIENTATIONS OF AXIS SYSTEMS.....	41
FIGURE 3	L4/L5/L6 CYLINDER ENGINE WITH 1 EXHAUST BANK AND 1 CATALYST EXAMPLE.....	42
FIGURE 4	L4/L5/L6 CYLINDER ENGINE WITH 1 EXHAUST BANK AND 2 CATALYSTS EXAMPLE.....	42

## 1. SCOPE

## 1.1 Purpose

This SAE Recommended Practice supersedes SAE J1930 Apr 2002, 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 data bases, underhood emission labels, and emission certification applications.

This document should be used in conjunction with DAE J1930-DA Digital Annexes, which contains 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 contains 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 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 J1930-DA provides standardization of terms and definitions for the listed specifications.

### 2.1 Applicable Publications

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 724-776-4970 (outside USA), [www.sae.org](http://www.sae.org).

SAE J1979 E/E Diagnostic Test Modes

SAE J2012 Diagnostic Trouble Code Definitions

#### 2.1.2 ISO Publications

Available from ANSI, 25 West 43rd Street, New York, NY 10036-8002, Tel: 212-642-4900, [www.ansi.org](http://www.ansi.org).

ISO 15031-2 Road vehicles—Communication between vehicle and external test equipment for emissions-related diagnostics—Part 2: Terms, definitions, abbreviations, and acronyms

ISO 15031-5 Road vehicles—Communication between vehicle and external test equipment for emissions-related diagnostics—Part 5: Emissions related diagnostic services

ISO 15031-6 Road vehicles—Communication between vehicle and external test equipment for emissions-related diagnostics—Part 6: Diagnostic Trouble Code Definitions