



SURFACE VEHICLE RECOMMENDED PRACTICE

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Seat Belt Restraint System Hardware - Glossary of Terms

RATIONALE

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1. SCOPE

This SAE Recommended Practice provides a Glossary of Terms commonly used to describe Seat Belt Restraint Systems Hardware and their function. These terms are currently defined in various SAE Recommended Practices but are sometimes inconsistent. It is intended for this document to supersede the definitions found in separate SAE Recommended Practices.

2. REFERENCES

There are no referenced publications specified herein.

3. DEFINITIONS

3.1 Adjustable Guide Loop

A Guide Loop which can position the shoulder belt to multiple positions.

Also known as an Adjustable D-Ring, Adjustable Height Guide Loop, Adjustable Upper Anchorage, Adjustable Turning Loop, or Height Adjuster.

3.2 Adjustable Hardware

Hardware designed to allow adjustment of a seat belt assembly to accommodate various size occupants. This may include hardware that may be integral with the buckle, latch plate, guide loop, or retractor assembly.

3.3 All Belts To Seat (ABTS)

A seat belt assembly in which all the anchorage points are secured into the seat assembly. Also known as Seat Integrated Restraints (SIR), Belt in Seat (BIS), or Integrated Restraints.

3.4 Anchorages

Seat belt anchorage means any component, other than the webbing or straps, involved in transferring seat belt loads to the vehicle structure, including, but not limited to, the attachment hardware, seat frames, seat pedestals, the vehicle structure itself, and any part of the vehicle whose failure causes separation of the belt from the vehicle structure.

3.5 Attachment Hardware

Attachment hardware means any or all hardware designed for securing the webbing of a seat belt assembly to a motor vehicle.

NOTE: If the seat belt is attached to a seat, the seat is not attachment hardware.

3.6 Attachment Point(s)

The geometric locations where the seat belt assembly is attached to the seat system or vehicle.

3.7 Automatic Belt

A belt system that is donned and adjusted with little or no action by the occupant(s). Also known as a passive belt.

3.8 Automatic Locking Retractor (ALR)

A retractor incorporating a positive self locking mechanism that remains engaged, locked, and capable of withstanding restraint forces once webbing has initially been extracted. This locking mechanism is reset when the webbing is allowed to retract back into the retractor.

3.9 Belt Extender

An add on accessory consisting of a length of seat belt webbing with matching buckle and latch plate intended to allow the seat belt system to accommodate larger occupants.

3.10 Belt Tension Sensor (BTS)

A component of a seat belt assembly intended to monitor seat belt webbing tension which is used as part of an occupant presence system.

3.11 Buckle

The primary quick release component of a seat belt assembly which accepts and connects to a latch plate, and is intended to facilitate wearing and removal of the seat belt by an occupant.

3.12 Dual Spool Retractor

A retractor that contains two separate spools in order to route and store the seat belt webbing. One spool is for the shoulder belt portion and the other spool is for the lap belt portion.

3.13 Detachable Anchorage (See Quick Connect Anchorage)

A connector between two parts of a seat belt assembly intended to facilitate reconfigurability of the seat or seat belt by the end user of the vehicle. Typically requires a key or key like device in order to release as specified by FMVSS 208 S4.2.7.4 and S4.2.7.5.

3.14 Dual Mode Retractor

An ELR (Emergency Locking Retractor) which can be converted to an ALR (Automatic Locking Retractor) at the option of a user. Also known as a Convertible Retractor.

3.15 Dual Pretensioner Seat Belt System

A seat belt system that incorporates two pretensioners.