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SAE

Abbreviation for Society of Automotive Engineers. In the early 1900s there were dozens of automobile manufacturers in the United States, and many more worldwide. Many these manufacturers and automobile parts companies joined trade groups that met their needs for promoting business and raising public awareness of this new form of transportation. A need for patent protection, common technical design problems, and the development of engineering standards was quickly emerging, however, and many engineers in the automobile business expressed a desire to have “free exchange of ideas” in order to expand their individual technical knowledge base. By 1916 members, celebrated a new society representing engineers in all types of mobility-related professions. SAE member Elmer Sperry actually created the term “automotive” from Greek autos (self), and Latin motivus (of motion) origins to represent any form of self powered vehicle. The Society of Automobile Engineers became the Society of Automotive Engineers, and the most important chapter in the SAE saga was underway. Still today, the society sets standards for all aspects of “automotives” including oil, bolts, electronics, chassis, fuels, noise, vibration and many others. ¹⁾

Seat

- An apparatus that is bolted to the top of the frame that is padded and placed for the comfort of your butt.
- The area between the valve and the head when the valve is closed.

Service Bulletins

Service Bulletins were issued when necessary to pass on important information from the factory to the dealerships ²⁾

These informational sheets are hole cut for a 3 ring binder and are separated in the following categories as labeled on the bottom of the respective bulletins:

- OA- : General Information (example 0-2A)
- OB- : Procedures (example 0-2B)
- OC- : Products (example 0-2C)
- OD- : Service Tools (example 0-2D)

Some service bulletins ended up being printed in their respective service manuals and some were were labeled 'confidential' and not meant to be seen by the public. The MoCo had a binder that could be bought by the individual dealers with cardboard separators for the different categories. This binder was to be updated by the dealer as these were issued by the MoCo. Some of these same binders of service bulletins end up on Ebay or others from time to time. The pages have the same characteristics as any

page in a binder. Sometimes the holes get ripped and the page(s) get lost so some used binders have less or more info than others. It also depends on when and what was updated to that certain binder.

Service Limit

Wear Limit. Term used to describe the point where a part is no longer usable and must be replaced.

Shell Bearings

AKA Bearing Inserts, plain bearings consisting of two shell halves commonly used as lower connecting rod bearings and main bearings. ³⁾

Shim

Thin spacer used to adjust clearances (as in camshaft runout) or positions (as in wheel position to belt drive/ frame)

Short Circuit

Condition in which positive current shorts/ touches to ground which halts the electrical current from that point down the path

Service Limit

Term used to describe the point where a part is no longer usable and must be replaced.

Seventy-Two®

Sissy Bar

Slack Tube

See [Manometer](#)

Sludge

Thick, dark residue with mayonnaise-like consistency, which builds up on the non-moving inner parts of the engine. Insoluble contaminants in the oil accelerates its buildup.⁴⁾

Small End Bushing

The brass bushing in the upper end of the connecting rod that holds the gudgeon pin/ wrist pin

Spalling

Damage to a camshaft lobe or bearing journal seen as pitting of the working surface⁵⁾

Sportster

In terms of a horse race, it would be the horse in the front.

Sportster Bagger

Any Sportster with frame mounted hard saddlebags. Normally installed for touring or commuting.

Stoichiometric Ratio

The optimum air/fuel ratio for a gasoline engine (14.7 parts of air to 1 part of fuel)⁶⁾

Stanchion

Fork Tubes. The inner sliding fork tubes that are held up by the yoke/ triple trees.

Straight Cut Gears

Common gear type used on gearbox shafts, oil pump and water pump drives⁷⁾

Stroke

Reciprocating motion, used in reciprocating engines and other mechanisms, is back-and-forth motion. Each cycle of reciprocation consists of two opposite motions: there is a motion in one direction, and then a motion back in the opposite direction. Each of these is called a stroke. The term is also used to mean the length of the stroke. ⁷⁾ [https://en.wikipedia.org/wiki/Stroke_\(engine\)](https://en.wikipedia.org/wiki/Stroke_(engine))

Sulfuric Acid

The poisonous and highly corrosive liquid electrolyte used in lead-acid batteries

Sumping

AKA Wet Sumping. A condition in which the engine oil collects in the bottom of the engine, or oil filter instead of being returned to the tank ⁸⁾

Super Low

Swarf

Material as in metallic particles and abrasive fragments that are produced and/or removed by a cutting, grinding, drilling and machining tools. ⁹⁾

Synthetic Oil

Lubricant made of specifically composed chemically reacting substances that has pre-determined properties and characteristics. ¹⁰⁾

Go To Terminology List

1)

<http://www.sae.org/about/general/history/>

2)

HD Service Bulletin no. 456 dated December 7, 1961 page 0-2B

3)

Haynes Sportster manual 1970-2010 pg REF*51

4) 10)

<http://www.oilspecifications.org/articles/lubrication-glossary.php>

5) 6) 7)

Haynes Sportster manual 1970-2010 pg REF*52

8)

mycle1000 of the XLFORUM <http://xlforum.net/forums/showthread.php?t=1649421&highlight=low+oil>

9)

<https://www.merriam-webster.com/dictionary/swarf>

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