



British/Lucas vs American/Buss Fuses

British and American (US) standards for rating electrical fuses are very different. Both provide the amperage rating (AMPS) for very similar looking fuses, but the two ratings mean very different things. The US system rates the fuse based on the continuous load it can handle for a specified period of time without blowing the fuse, while the British rating expresses the load at which the fuse will immediately blow.

That's a significant difference! For example, the 35 Amp fuse used in many vintage (LBC) Little British Cars (MG, Triumphs, Minis, and others), is basically the equivalent to a US 17.5 Amp fuse (A BUSS AGC 20 Amp would be the closest matching fuse). Installing a US BUSS AGC 35 Amp fuse into your LBC fuse box will cause the wiring harness to melt down if shorted, well before the fuse ever blows.

Warning: Never use an American (US) rated 35 Amp fuse in your vintage British car!

If you find yourself in a situation where you must use an American/Buss fuses in your British car, I would personally error on the side of caution and **use roughly 50% or less then the British/Lucas** specified amperage. If you find that they continue to blow out for no apparent reason, then I would use the Buss catalog conversion.

Buss Fuse Catalog

Below is a conversion chart, taken from a long-ago Buss fuse catalog:

| ENGLISH TYPE vs | BUSS REPLACEMENT |
|-----------------|------------------|
| 50 AMP | AGC 30 |
| 35 AMP | AGC 25 |
| 30 AMP | AGC 20 |
| 25 AMP | AGC 15 |
| 20 AMP | AGC 10 |
| 10 AMP | AGC 7 |
| 5 AMP | AGC 3 |

Also, if you continue to blow fuses, please find the source of your short and repair it as soon as possible. Ultimately, fuses that continue to blow do so for a reason - to prevent damage to your car's electrical system and keep you safe.

Finally: In my British cars, I would still rather only use the British/Lucas style fuses. Most of the major vendors have them in stock. Plan ahead now and keep a few in your car for ill-timed visits from the Prince of Darkness.

The information here was derived from multiple sources. Use this information at your own risk and please seek help if you do not feel competent working on your vehicle's electrical system. www.farrellsgarage.com
v01.06

1972 BUSS FUSE

CAR AND TRUCK LIST

SHOWS PROPER FUSE TO USE AND WHERE TO FIND IT

© 1971 Bussmann Mfg. Division, McGraw-Edison Co., St. Louis, Mo. 63107

American Motors to Chevrolet

Chevy II Dodge & Dart

Falcon to Jeep

LeMans to Plymouth

Pontiac Voltant & Lancer Barracuda

Willys TRUCKS GMC

TRUCKS International White

FOREIGN CAR FUSE REPLACEMENT DATA

First check open fuse for Type and Ampere Rating — Then select BUSS Replacement

Fuses with Regular or Conical Caps

| English Type | *BUSS Replacement |
|--------------|-------------------|
| 50 amp. | AGC 30 or AGX 30 |
| 35 amp. | AGC 25 or AGX 25 |
| 30 amp. | AGC 20 or AGX 20 |
| 25 amp. | AGC 15 or AGX 15 |
| 20 amp. | AGC 10 or AGX 10 |
| 10 amp. | AGC 7½ or AGC 3 |

*English standards differ from U.S. standards. This accounts for difference in ampere ratings.

Cars using English type fuses: MG, Austin, English Ford, Hillman, Simca, Jaguar, Renault, ('63 & Prior), Morris, Sunbeam, Triumph, Vauxhall and others.

Fuses with Knob on Caps or

BUSS AGC or AGX Fuse

| Japanese Type | BUSS Replacement |
|---------------|------------------|
| 30 amp. | AGC 30 or AGX 30 |
| 20 amp. | AGC 20 or AGX 20 |
| 10 amp. | AGC 10 |
| 8 amp. | AGC 7½ |
| 5 amp. | AGC 5 |
| 2 amp. | AGC 2 |

Cars using Japanese type fuses—Datsun, Nissan and others. Toyota and Honda use American style fuses. Replace with same ampere BUSS AGC or AGX fuses.

Fuses with Porcelain Body, Conical Ends

| German Type | BUSS Replacement |
|-------------|------------------|
| 25 amp. | GBC 25 or GBF 25 |
| 16 amp. | GBC 16 |
| 15 amp. | GBC 15 |
| 8 amp. | GBC 8 |
| 5 amp. | GBC 5 |

Cars using German type fuses: Volkswagen, Mercedes, Mercedes-Benz, Opel, Porsche, Saab, Volvo, Renault ('64 & later) Fiat and others.

Pictures Show Actual Size of Fuses

SFE 7½ and AGW 7½ FUSES ARE INTERCHANGEABLE
SFE 20 and AGC 20 FUSES ARE INTERCHANGEABLE

BUSS Profit Makers — Offer One Stop Service

No. 24 Foreign Car Fuse Assortment

No. 171 Fuse Puller

No. 200 Display Service Assortment

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