

A SMALL HISTORY OF THE TURBOCHARGER

From the very first moment on, engineers tried to make internal combustion engines more efficient. Over time, forced induction via turbocharger has become a mainstay of this. But it hasn't always been like this.

1905

SWISS ENGINEER ALFRED BÜCHI FILES THE PATENT FOR THE TURBOCHARGER WHILE WORKING AT GEBRÜDER SULZE GMBH



FIRST USE OF TURBOCHARGED PLANES

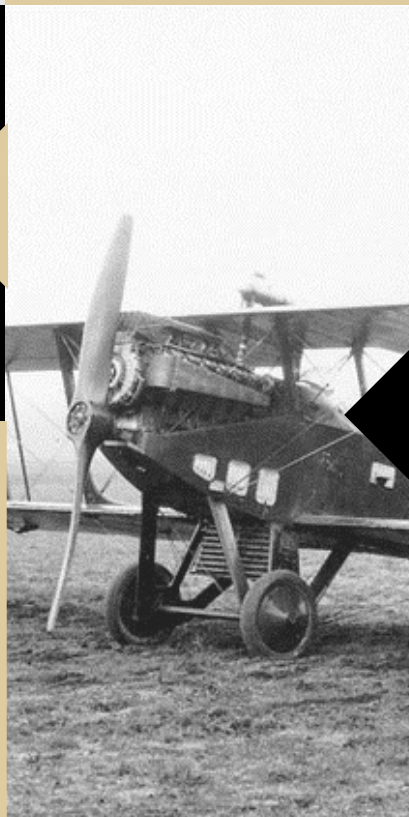
WWI

1918

SANFORD MOSS TESTS A TURBOCHARGED V12 LIBERTY ENGINE ON PIKES PEAK

1930s

SAURER PRODUCING FIRST TURBO TRUCKS IN SWITZERLAND

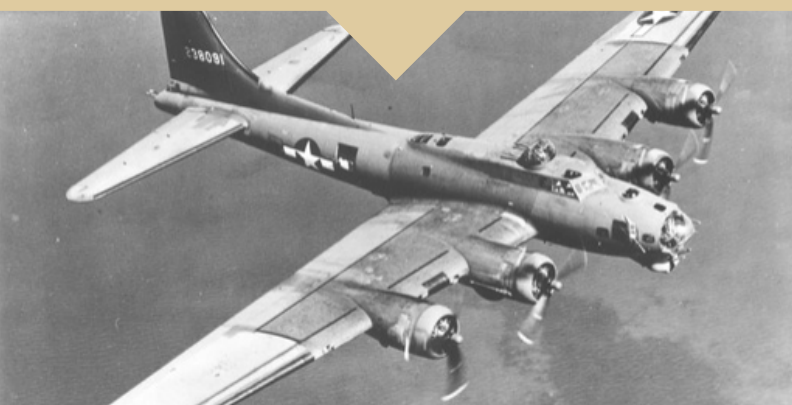


1920

SANFORD MOSS GOES ON TO BREAK THE ALTITUDE RECORD WITH A LAPERE LUSAC BIPLANE

WWII

AGAIN TURBOS ARE USED ON PLANES FOR ALTITUDE ADVANTAGE, INCLUDING THE B-17 AND THE P-38

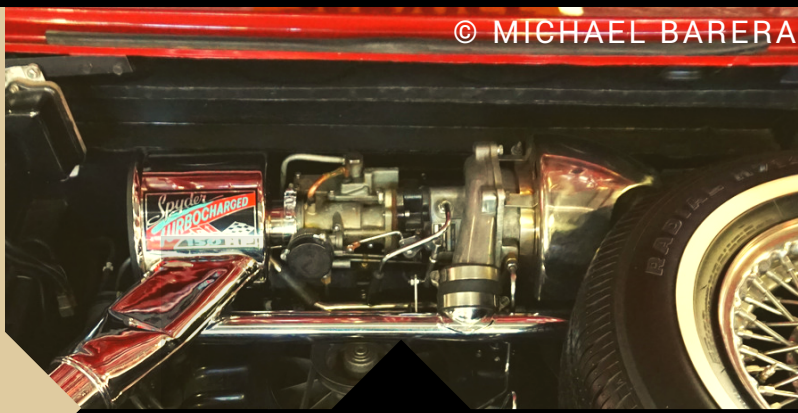


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1950s



1960s

INCREASED USE OF TURBOCHARGERS IN COMMERCIAL VEHICLES, ESPECIALLY FOR HEAVY DUTY OFF-HIGHWAY VEHICLES

1963

THE OLDSMOBILE CUTLASS JETFIRE AND CHEVROLET CORVAIR ARE THE FIRST TURBOCHARGED PASSENGER CARS

RIISING POPULARITY OF TURBOCHARGED ENGINES FOR TRUCKS

1978

MERCEDES INTRODUCED THE 300SD, PROVING TURBOS ARE BENEFICIAL IN NON-PERFORMANCE CARS



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1970s

TURBOCHARGED RACE CARS ARE ON THE RISE - ON THE STREET, PERFORMANCE MODELS ARE POPULAR IF UNRELIABLE

1983



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RENAULT INTRODUCED TURBOCHARGED ENGINES TO F1 IN 1977, BUT NELSON PIQUET IS THE FIRST "TURBO'D" CHAMPION ON BRABHAMS BMW

WITH GROWING SUCCESS IN RACING, TURBOCHARGED SPORTS CARS MAKE A GLORIOUS RETURN

1980s



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10s

THE TURBOCHARGER REVOLUTION IS IN FULL SWING. TWIN SCROLL, TWIN TURBOS AND VNTS ARE COMMON



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2000

TURBOCHARGERS BECOME MORE SOPHISTICATED AND MORE RELIABLE. THEY HELP FULFILL THE NEW EMISSIONS STANDARDS

1990s

TECHNOLOGY LIKE COMMON RAIL AND PUMPE-DÜSE INJECTION HELP THE TURBOCHARGER TO BECOME A WIDELY USED DEVICE ON DIESEL CARS

WHAT WILL THE FUTURE BRING?

MEET INDUSTRY EXPERTS AND FIND OUT AT THE

Advanced
Downsizing & Turbocharging



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