

T700 Engine Repair

Rolls-Royce Turbomeca

accordingly, the RTM322 took the place of the standard General Electric T700 engine that powered all previous versions of the Apache. At the time, there

Rolls-Royce Turbomeca Limited (RRTM) is a joint venture between British aero-engine manufacturer Rolls-Royce plc (UK) and French helicopter engine specialist Safran Helicopter Engines (formerly known as Turbomeca). It manufactured aero-engines and provided associated support services to end users.

The joint venture has been responsible for the

development and production of two aero-engines, the Adour turbofan, and the RTM322 turboshaft powerplant. During 2013, Turbomeca bought out Rolls-Royce's involvement in the RTM322 programme; accordingly, all manufacturing-related responsibility activities with this engine were transferred to Turbomeca solely during the mid-2010s.

Glas (company)

*(1955–1969), Coupé
(1957–1969), Transporter
(1957–1965) Glas Isar T600,
T700 (1958–1965) Glas 1004,
1204, 1304 (1962–1968) Glas
1300 GT, 1700 GT (1963–1967)*

Hans Glas GmbH is a former German automotive company, which was based in Dingolfing. Originally a maker of farm machinery, Glas evolved first into a producer of motor scooters, then automobiles. It was purchased by BMW in

1966,

mainly to gain access to Glas's patents; they were the first to use a timing belt with an overhead camshaft in an automotive application. Its limited model range was shortly phased out by its new parent.

Blisk

(now known as GKN Aerospace) in 1985 for the compressors of the T700 helicopter engine. Since then, its use has continued to increase in major applications

A blisk (portmanteau of bladed disk) is a turbomachine component comprising both rotor disk and blades as a single part instead of a disk assembled with individual removable blades. Blisks generally have better aerodynamics than conventional rotors with single blades and are lighter. They may be additively

manufactured, integrally cast, machined from a solid piece of material, or made by welding individual blades to a rotor disk. The term is used mainly in aerospace engine design. Blisks may also be known as integrally bladed rotors (IBR).

Alfa Romeo Avio

group. The combined company was involved in 2005 in the development of T700-T6E1 engine for the NH90 NHl helicopter. ITALY Major Manufacturers Directory. Business

The Alfa Romeo Avio was an Italian aviation company producing aircraft engines active since 1941.

It was founded as a division of Alfa Romeo but was sold to Aeritalia in 1986 and then to Fiat in 1996. It was merged with Fiat Avio in 2003 as Avio S.p.A.

List of aircraft engines

*Electric T64 General Electric
T407 General Electric T408
General Electric T700 (GE12)
General Electric T708 General
Electric TF31 General Electric
TF34*

This is an alphabetical list of aircraft engines by manufacturer.

Sikorsky UH-60 Black Hawk

*the development of a new,
common turbine engine for its
helicopters that would become
the General Electric T700.
Based on experience in
Vietnam, the Army*

The Sikorsky UH-60 Black Hawk is a four-blade, twin-engine, medium-lift military utility helicopter manufactured by Sikorsky Aircraft. Sikorsky submitted a design for the United States Army's Utility Tactical Transport Aircraft System (UTTAS) competition in

1972. The Army designated the prototype as the YUH-60A and selected the Black Hawk as the winner of the program in 1976, after a fly-off competition with the Boeing Vertol YUH-61.

Named after the Native American war leader Black Hawk, the UH-60A entered service with the U.S. Army in 1979, to replace the Bell UH-1 Iroquois as the Army's tactical transport helicopter. This was followed by the fielding of electronic warfare and special operations variants of the Black Hawk. Improved UH-60L and UH-60M utility variants have also been developed...

Boeing AH-64 Apache

but afterward it was decided to upgrade to the more powerful T700-GE-701 version of engine, rated at 1,690 shp (1,260 kW). The AH-64 was named the Apache

The Hughes/McDonnell

Douglas/Boeing AH-64 Apache (ə-PATCH-ee) is an American twin-turboshaft attack helicopter with a tailwheel-type landing gear and a tandem cockpit for a crew of two. Nose-mounted sensors help acquire targets and provide night vision. It carries a 30 mm (1.18 in) M230 chain gun under its forward fuselage and four hardpoints on stub-wing pylons for armament and stores, typically AGM-114 Hellfire missiles and Hydra 70 rocket pods. Redundant systems help it survive combat damage.

The Apache began as the Model 77 developed by Hughes Helicopters for the United States Army's Advanced Attack Helicopter program to replace the AH-1 Cobra. The prototype YAH-64 first flew on 30 September 1975. The U.S. Army selected the YAH-64 over the Bell YAH-63 in 1976, and later approved full production...

Tatra (company)

panels and detailing. The T700 was offered as both a saloon and coupé with either a 3.5 or 4.4 litre 90° air-cooled V8 petrol engine. The model was neither

Tatra is a Czech vehicle manufacturer from Kopřivnice. It is owned by the TATRA TRUCKS a.s. company, and it is the third oldest company in the world producing motor vehicles with an unbroken history. The company was founded in 1850 as Ignatz Schustala & Cie. In 1890 the company became a joint-stock company and was renamed the Nesselsdorfer Wagenbau-Fabriksgesellschaft. In 1897, the Nesselsdorfer Wagenbau-Fabriksgesellschaft produced the Präsident, which was the first factory-produced automobile with a petrol engine to be made in Central and Eastern Europe. The First Truck was made a year later, in 1898.

In 1918, the company was renamed Kopřivnická vozovka a.s., and in 1919 it changed from the Nesselsdorfer marque to the Tatra badge, named after the nearby Tatra Mountains on the Czechoslovak...

NHIndustries NH90

*first FOC-standard NH90 NFH.
The Italian NH90 fleet uses the
GE T700-T6E1 turbine engine.
Italian NH90s are used for the
following tasks tactical troop*

The NHIndustries NH90 is a European medium-sized, twin-engine, multirole military helicopter. It was the first production helicopter to feature entirely fly-by-wire flight controls. There is extensive use of composite materials and electronic sensors. The helicopter has two main versions, the TTH oriented towards land applications (able to carry up to 20 troops) and

the NFH, oriented towards naval use and focused on such tasks as ASW and marine SAR. Over 500 have been produced for a dozen users, and it remains in production.

The NH90 was developed in response to North Atlantic Treaty Organization (NATO) requirements for a battlefield helicopter which would also be capable of being operated in naval environments. It was developed and is manufactured by NHIndustries, a collaborative company owned...

AgustaWestland Apache

*Rolls-Royce Turbomeca
RTM322 01/12 engines,
replacing the original General
Electric T700-GE-701C engines.
The Rolls-Royce engine
produces 1,565 kW (2,100 hp)*

The AgustaWestland Apache is a licence-built version of the Boeing AH-64D Apache Longbow attack helicopter for

the British Army Air Corps. The first eight helicopters were built by Boeing; the remaining 59 were assembled by Westland Helicopters (later AgustaWestland) at Yeovil, Somerset in England from Boeing-supplied kits. Changes from the AH-64D include Rolls-Royce Turbomeca RTM322 engines, a new electronic defensive aids suite and a folding blade mechanism allowing the British version to operate from ships. The helicopter was initially designated WAH-64 by Westland Helicopters and was later given the designation Apache AH Mk 1 (also written as "Apache AH1") by the Ministry of Defence.

The Apache was a valued form of close air support in the conflict in Afghanistan, being deployed to the...

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