

## Modelling The P 47 Thunderbolt

P-47 Thunderbolt at War P-47 Thunderbolt Pilot's Flight Operating Manual The P-47 Thunderbolt P-47 Thunderbolt at War Schweinfurt–Regensburg 1943 Modelling the P-47 Thunderbolt Republic P-47 Thunderbolt P-47 Thunderbolt in Detail & Scale Thunderbolt The P-47 Thunderbolt P-47 Thunderbolt Units of the Twelfth Air Force Republic P-47 Thunderbolt Official Catalogue P-47 THUNDERBOLT. Army Republic P-47 Thunderbolt The Taill of Rauf Coilyear (about 1475 A.D.) ... with the Fragments of Roland and Vernagu and Otuel The First Part of the Contention P-47 Thunderbolt with the USAAF in the MTO, Asia and Pacific Manual of Conchology Cory Graff Periscope Film Com Len Morgan Cory Graff Marshall Michel III Brett Green Maciej Noszczak Bert Kinzey Dan Patterson Len Morgan Jonathan Bernstein Tomasz Szlagor United States Centennial Commission Maciej Noszczak Herrtage William Shakespeare Tomasz Szlagor George Washington Tryon (Jr.)

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known as the jug because of its fuselage shape the republic p 47 thunderbolt flew in every theatre of wwii except alaska nearly 13 000 were built by war s end the large aircraft carrier eight browning machine guns and up to 2 000 lbs of bombs or rockets and proved an effective fighter and bomber the radial pratt and whitney powerplant put out over 2500 h p and propelled the p 47 at a maximum speed of 426 mph at 30 000 feet originally published by the u s army air force this handbook taught pilots everything they needed to know before entering the cockpit this affordable facsimile of a real wwii manual has been reformatted care has been taken to preserve the integrity of the text

perhaps the most significant fighter aircraft of world war ii the republic p 47 thunderbolt was the largest and most powerful single engine fighter of the war and with over fifteen thousand p 47s built its production numbers topped any other american fighter p 47 thunderbolt at war traces the history of the p 47 including the pioneering efforts of alexander

de seversky and alexander kartveli who designed the prototype the features that played into the p 47s combat performance and its wartime construction and testing the rugged thunderbolts flew in combat across europe africa and the pacific as fighter escort and fighter bomber they are brought to life through numerous photographs many in full color and through personal war stories from the men who flew them affectionately known as jugs p 47s may not have been the most agile fighters but they could take a pounding and get back home an attribute worthy of any pilots affection p 47 thunderbolt at war includes personal war stories of fighter plane combat in europe the mediterranean and the pacific tales of the aircrafts postwar adventures in china algeria and south america in the 1950s and a number of republic p 47 thunderbolt specifications charts and diagrams

this is an up to date history of the us army air force s pioneering but costly raids on germany s messerschmitt and ball bearing factories in world war ii

the p 47 thunderbolt affectionately nicknamed the jug was one of the most famous fighter aircraft of world war ii used as both a high altitude escort fighter and a low level fighter bomber it quickly gained a reputation for being tough and resilient many different air forces operated this plane and it sported a wide range of camouflage schemes finishes and markings including stunning nose art this book takes a step by step approach to modelling a wide variety of p 47 types in 1 48 scale from razorbacks in usaaf colours to raf t bolts in east asia it provides expert advice on conversions including a bubbletop to a p 47m adding aftermarket items detailing and ways to achieve top quality weathering and finishes

before the p 47 thunderbolt gained a bubble top fairing these fighters had slightly different some claim to be more racial figure in the first versions the plane had a typical canopy built into the fuselage which resulted in a slightly hunched line the first copies of the p 47b underwent a series of tests at the turn of 1941 and 1942 initially they were not very promising one of the planes was lost because of the tail tearing off during the dive in addition at heights above 9144 m the flaps froze it was impossible to open the cabin hood and the forces on the rudders were very big at high speeds the paint covering the elevators fell off and the aerodynamic pressure inflated their sheath they were covered with canvas causing dangerous tail vibrations to remedy these problems metal sheathing was introduced elevators shape was changed and weight flaps were added the propulsion of the p 47b version was a 2000 hp r 2800 21 engine the time to reach the ceiling of 4572 m was 6 7 minutes the aircraft developed a speed of 690 km h at an altitude of 8230 m in horizontal flight which was a great result

the republic p 47 thunderbolt was one of the most heralded and recognizable fighters of world war ii built in larger numbers than any other american fighter aircraft in history a record that will surely never be broken the p 47 evolved during the war from an interceptor design to that of a long range fighter with excellent fighter bomber capabilities from the original razorback p 47b that could not carry any external stores to the bubbletop p 47n with larger wings and the ability to carry a wide array of external fuel tanks and ordnance this book covers every aspect of the fighter that became known as the jug detail scale published its first book on republic s p 47 thunderbolt in 1998 twenty five years later this new publication p 47 thunderbolt in detail scale significantly revises and expands our original coverage of the big radial engine fighter that endeared itself to many pilots

as the rugged and survivable aircraft that would bring them home following an introduction the thunderbolt history chapter traces the origins of the thunderbolt covering the previous seversky and republic efforts that led up to its design and development this chapter then continues with how the different production variants from the p 47b through the p 47n improved the capabilities of the aircraft as each succeeding production block and version became operational next is the thunderbolt variants chapter which takes a closer look at each version of the p 47 in more detail all of the production variants as well as the experimental thunderbolts are included in this informative chapter line drawings that point out important changes and enhancements made to the production variants were drawn specifically for detail scale by lloyd s jones the primary focus of the detail scale series of aviation publications is on the details of the aircraft the thunderbolt details chapter has ten different sections that include 170 detail photographs that cover the p 47 in incredible detail both inside and out and from the propeller hub to the position light on the trailing edge of the rudder the large majority of these photographs are in color and most were taken by the author specifically for the original book and for this publication to ensure that every possible detail would be illustrated no less than ten different p 47s were photographed as with all detail scale series books our modelers section provides coverage of the scale model kits of the thunderbolt in the quarter century since our original book on the jug was published a considerable number of new kits have been released and reviews of these have been added to the modeler section kits in all popular standard modeling scales from 1 144th through 1 24th scales are included p 47 thunderbolt in detail scale has more than 260 photographs over 190 of which are in color 11 drawings and 9 color profiles

#### thunderbolt

the p 47 thunderbolt originally designed as a high altitude interceptor became the principal us fighter bomber of world war ii first adapted to the ground attack role by units of the twelfth air force in early 1944 the strength and durability of the p 47 airframe along with its massive size earned it the nickname juggernaut which was quickly shortened to jug throughout the mto and eto by october 1943 with the creation of the fifteenth air force nearly half of the twelfth s fighter groups would be retasked with strategic escort missions leaving six groups to perform close air support and interdiction missions throughout the entire mediterranean theatre the groups inflicted incredible damage on the enemy s transport routes in particular using rockets bombs napalm and machine gun rounds to down bridges blow up tunnels and strafe trains myriad first hand accounts and period photography reveal the spectacular success enjoyed by the thunderbolt in the mto in the final year of the war

free 1 48 and 1 72 decals and masking foil the last fourth part of a monograph on p 47 thunderbolt discusses its combat use as fighter bomber in western europe during the last few months of ww2 the air battles over southern europe in 1944 1945 are also thoroughly described another chapter is devoted to thunderbolt s service in the raf the free french af the brazilian af the mexican af and the chinese af together with other foreign operators the author uncovers the fates of particular fighter units as well as individual pilots who

fought in them the book includes technical data and lists of units operating the p 47 free 1 48 and 1 72 decals for 3 schemes p 47d 30 ra s n 44 33721 of escuadron aereo de pelea 201 july 1945 p 47d 30 re of the columbian air force p 47d 40 ra s n 45 49506 of grupo de aviacion 11 chile about the series monographs focuses on an individual type of aircraft each monograph contains descriptions of the aircraft s origin its variants and combat history each volume includes several hundred archive photographs technical scale drawings and color profile artwork each book also has free extras for modelers with decals and masking foil

the p 47d was the most produced version of the thunderbolt fighter from overall number of 15 683 p 47s built the 12 609 of them were the version d the first trial p 47d left the factory in september 1942 the first serial version of the p 47d was the d 1 re variant which can be easily distinguished from the p 47c by its additional blinds on lower part of the engine cowling the important change was also the additional cockpit armor the most important variant of the early p 47ds was the p 47d 5 version it received the installation which injected the water and methanol mixture to the r 2800 21 engine s cylinders during the autumn of year 1943 another variant of the p 47d was developed p 47d 10 with new r 2800 63 engine in next version p 47d 11 the usage of the water methanol mixture was automatic the injection was triggered by the maximum push of the throttle lever the plane also received the gun camera in another version p 47d 15 the capacity of the front fuel tank was enlarged so the maximum range of the p 47 increased too the d 15 variant was equipped with two b 10 racks under the wings which allowed to make different configurations of the payload bombs and fuel tanks another innovation was the detachable canopy in case of emergency also the shape of two lower blinds was modified the p 47d 20 received the new engine r 2800 59 which had a different ignition system the d 20 variant also received the higher tail wheel fork and redesigned racks under the wings the most important change of the construction took place between spring and summer of the year 1944 when the production of the p 47d 22 and d 23 has started the d 22 version built in farmingdale factory received the hamilton standard hydromatic 24e50 65 propeller with 4 01 m in diameter the planes produced in evansville d 23 had curtiss electric c542s a114 propeller with 3 96 m in diameter the new propellers considerably improved the climbing rate of the p 47s

p 47 thunderbolt s service outside western europe in three other major theaters of world war ii the mediterranean asia and pacific although perhaps not as publicized was no less colorful and varied which makes it an excellent subject for a photo story during the long campaign in italy thunderbolt was the best air interdiction aircraft the allies had pitted against german and italian fighters it proved more than a match in the pacific thunderbolt easily held its own against japanese fighters over new guinea and later over japan s home islands armed with fire bombs bazookas and other ordnance it earned distinction as close air support aircraft during the invasion of marianas also in china burma india theater the p 47 excelled both as fighter and fighter bomber with the renowned air commandos among other units

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