

# P-38 LIGHTNING

DETAIL & SCALE SERIES  
VOLUME 18

PART 1: XP-38 PROTOTYPE THROUGH P-38H VARIANTS  
ALSO COVERS THE F-4A & F-5A PHOTOGRAPHIC RECONNAISSANCE VARIANTS



in detail & scale

by Haagen Klaus  
and Bert Kinzey

# P38 Lightning In Detail And Scale

**William Norton**



## **P38 Lightning In Detail And Scale:**

**P-38 Lightning in Detail & Scale, Part 1** Bert Kinzey, 2024-12-23 The Germans called it Der Gabelschwanz Teufel or The Forked tailed Devil The Japanese referred to it as two planes with one pilot But whatever it was likened to the Lockheed P 38 Lightning represented a giant step forward in combat aircraft design and technology With its twin engine twin boom design and a fuselage pod between the booms the P 38 Lightning was a radically different design from any previous fighter aircraft Its high speed and long range coupled with its firepower being concentrated in the fuselage pod made it one of the most formidable fighters of World War II Ideally suited for operations in the Pacific it scored more aerial victories in that theater than any other USAAF fighter In 1998 Detail Scale published two books on the P 38 Lightning These publications were very popular but have been out of print for quite some time This publication P 38 Lightning in Detail and Scale Part 1 is the first of two newly expanded updated and revised editions of Detail Scale s previous two part coverage of the Lightning A considerable number of color photographs both historical and detail in nature have been added The focus of this volume is on the so called early Lightnings beginning with the first XP 38 prototype and continuing through the P 38H Also included are the related F 4 F 4A and F 5A photographic reconnaissance variants When it first flew in 1939 the Lightning was larger faster and more heavily armed than any fighter aircraft in the world Early variants of the P 38 found themselves thrust into combat as the United States entered World War II In Europe early Lightnings were plagued with problems associated with British fuels interacting with their exhaust driven turbo supercharged engines at high altitudes Elsewhere in northern Africa the Mediterranean the Aleutians and throughout the Pacific the P 38 performed far more effectively and produced outstanding results in combat America s top two aces of World War II Richard Bong and Thomas McGuire scored all of their victories in the large P 38 while flying against smaller more nimble Japanese aircraft known for their maneuverability More than one hundred other aces scored all or most of their victories in the Lightning This publication features expanded and revised historical overviews of the P 38s along with detailed descriptions of each P 38 variant The Early Lightning Details chapter also features new and expanded content compared to the original 1998 book The chapter is illustrated with scores of detailed and meticulously restored photographs accompanied by captions that illustrate both important features and subtle differences between P 38 variants Some of these images are original archival material while others were chosen from hundreds of photos taken specifically for this book by the authors and their contributors Of note the Lightning Details chapter in P 38 Lightning in Detail and Scale Part 1 features photos of the P 38F Glacier Girl to be found nowhere else This P 38 was recovered from under the Greenland ice pack in 1992 Bert Kinzey took these photos during the restoration of Glacier Girl in 1998 and the photographs illustrate the details of the Lightning that would otherwise be difficult or impossible to represent As with all of our publications in the Detail Scale Series the book concludes with a Modelers Section that features reviews of the plastic model kits of these early P 38 variants Each review impartially and objectively highlights each kit s

strengths and weaknesses along with ways that a scale modeler can correct or improve upon accuracy and details P 38 Lightning in Detail Scale Part 1 contains over 200 high resolution photographs along with dozens of detailed line drawings of the P 38 variants covered The Early Lightning Details Chapter alone has 122 photographs **P-38 Lightning in Detail & Scale, Part 2** Haagen Klaus,Bert Kinzey,2024-12-24 Lockheed s P 38 Lightning was a unique aircraft even on the drawing board When the prototype XP 38 first flew in January 1939 it was the fastest fighter plane of its day It also possessed the longest range and had the heaviest armament of any fighter Each subsequent version improved upon the preceding one Early versions of the Lightning faced significant operational issues British fuels in the United Kingdom had some incompatibilities with the P 38 s exhaust driven turbo supercharged engines In all theaters the early Lightnings dealt with high speed compressibility issues and chronic engine cooling problems The compressibility and engine cooling issues were overcome with the late Lightning variants first delivered to the U S Army Air Forces in August 1943 These aircraft were the most refined and definitive P 38s They played no small role in the successful conclusion of World War II by the Allies especially in the Pacific Theater In 1998 Detail the P 38J through P 38M variants the F 5B through F 5G photo recon aircraft and the Droop Snoot and Pathfinder special purpose variants The XP 49 and XP 58 which were based on the Lightning are also briefly examined This publication features expanded and revised historical overviews of the later model P 38s along with detailed descriptions of each variant Also included are numerous line drawings created by Lloyd Jones specifically for Detail Scale that point out the specific changes made to each variant as the design was continuously improved The Late Lightning Details chapter features new and expanded content compared to the original 1998 book The chapter is illustrated with scores of detailed and meticulously restored photographs accompanied by captions that explain both important features and subtle differences between P 38 variants While some of these images are original archival material the great majority were chosen from hundreds of photos taken specifically for this book by the authors and their contributors As is the case in all volumes in the Detail Scale Series a Modelers Section provides comprehensive reviews of the plastic model kits of the featured aircraft Since the original release of this publication the world of P 38 scale modeling has been particularly impacted by the release of the Tamiya 1 48th scale P 38J and the Trumpeter 1 32nd scale P 38L These kits and many more dating back to the 1960s are examined in depth Recommendations are made as to which kits in each scale are best and suggestions for corrections and improvements are presented P 38 Lightning in Detail Scale Part 2 contains 270 high resolution photographs almost 190 of which are in color The details chapter alone has 169 photos including 145 color images **P-38 Lightning** Bert Kinzey,1998-01-01 **Lightning Strikes** Steve Blake,2020-10-04 LIGHTNING STRIKES THE LOCKHEED P 38 tells the full story of one of the most successful and versatile aircraft of the Second World War The P 38 including its F 4 and F 5 photo reconnaissance models eventually served with all the USAAF s numbered overseas air forces from early 1942 to VJ Day The book describes the Lightning s design and its technical details as it gradually evolved and improved from the original XP 38

to its final variant the P 38L 5 The main focus is on its service in the combat theatres from the frigid windswept Aleutian Islands in the North Pacific to the steaming jungles of the South Pacific and Southeast Asia the burning sands of North Africa and the more temperate climes of Europe All the units that flew the Lightning are included as are the experiences of many of their pilots and ground crewmen as they fought the Japanese Empire and the European Axis Also related are the P 38 s service with foreign non U S air forces its postwar commercial utilization as civilian aircraft and the surviving examples in museums around the world The book is extremely well illustrated by over 400 high resolution photographs art work and graphics and is supplemented by detailed appendices

*American Aircraft Development of the Second World War* William Norton, 2019-07-06 This book presents a little known aspect of America s aircraft development of World War II in emphasizing unique and non production aircraft or modifications for the purpose of research and experimentation in support of aircraft development advancing technology or meeting narrow combat needs It describes some important areas of American aviation weapons maturation under the pressure of war with emphasis on advanced technology and experimental aircraft configurations The great value of the work is illumination of little known or minimally documented projects that significantly advanced the science of aeronautics propulsion aircraft systems and ordnance but did not go into production Each chapter introduces another topic by examining the state of the art at the beginning of the war advantages pursued and results achieved during the conflict This last is the vehicle to examine the secret modifications or experiments that are little known Consequently this is an important single source for a fascinating and diverse collection of wartime efforts never before brought together under a single cover The war stories are those of military staffs engineering teams and test pilots struggling against short schedules and tight resource constraints to push the bounds of technology These epic and sometimes life threatening endeavors were as vital as actual combat operations

*Aircraft of The Royal Australian Air Force* Air Force History Branch, 2021-06-01 Aircraft of The Royal Australian Air Force tells the story of the RAAF s first one hundred years by describing the acquisition operation and service record of the multitude of aircraft types flown by the RAAF The 176 aircraft types include the flimsy wood and canvas aircraft typical of World War I through the technological advances during and after World War II to modern fifth generation complex aircraft like the F 35 Lightning II Even before its formation Sir Richard Williams the Father of the RAAF had decided to employ an alpha numeric numbering system to identify and account for each aircraft in service This system started with A1 A2 A3 etc as each type of aircraft came into service Each individual aircraft within each series was identified as A1 1 A1 2 and so on and the aircraft serial became known colloquially as the A number With some exceptions over the century since the A number system started aircraft entered RAAF service in broadly the sequence of the A numbers and so this book is intended to assist in charting the 100 year history of the RAAF by listing aircraft operated in A number sequence rather than by listing them by role such as Fighter Bomber Maritime Trainer Transport etc or alphabetically by name or by manufacturer The inclusion of a comprehensive Index and the Quick Reference

Guide to aircraft by role is intended to facilitate the location of the entry for any specific type of aircraft for those who may not already know its A number Aircraft of The Royal Australian Air Force is a must have for all those who have served in the RAAF those with a passion for military aviation and aircraft in general and the broader members of the public wishing to gain an appreciation of the Royal Australian Air Force in its centenary year *P-38 Lightning in Detail & Scale*, 1998 Gennemg r det fra 2 verdenskrig kendte amerikanske jagerbombefly P 38 Lightning i versionerne P 38J til P 38M **Air Force Magazine**, 1997-07 **Air Trails Pictorial**, 1969 *Air Pictorial*, 2002 [P-38 Lightning Aces 1942-43](#) John Stanaway, 2014-07-20 The story of the highest scoring P 38 aces of the war who had claimed approximately half of their total victories by the end of 1943 flying Lightning models ranging from the F 1 through to the H 5 The first P 38s became operational with the 1st Fighter Group in April 1941 and the initial combat deployments were made in Alaska the Southwest Pacific and North Africa during the latter part of 1942 Photographic reconnaissance versions of the P 38 were in action even sooner when F 4 P 38E models were rushed to frontline units a few months after Pearl Harbor Often using modified field measures to equip aircraft and train pilots in this demanding fighter early pilots wrote a remarkable record of accomplishments that displayed a high degree of courage and innovation Every theatre in which the United States was involved saw deployment of the P 38 and more than 60 Lightning pilots were credited with at least five victories by the end of 1943 Featuring illustrations depicting P 38 models from the E to the H 5 previously not known to the general public unpublished photographs and new data this volume presents a comprehensive and innovative account of some of these lesser known aces **DieCastX Magazine**, 2006 DieCast X covers the entire spectrum of automotive diecast from customizing to collecting it takes an insider s look at the history behind popular diecast cars and trucks as well as how each model has helped shape the automotive industry and motor sports **Subject Guide to Books in Print**, 2001 **Boys' Life**, 1964-12 Boys Life is the official youth magazine for the Boy Scouts of America Published since 1911 it contains a proven mix of news nature sports history fiction science comics and Scouting *P-38 Lightning* Jeffrey L. Ethell, 1983 **ACES HIGH 16 EN**, **DieCastX Magazine**, 2006 DieCast X covers the entire spectrum of automotive diecast from customizing to collecting it takes an insider s look at the history behind popular diecast cars and trucks as well as how each model has helped shape the automotive industry and motor sports **Boys' Life**, 1965-02 Boys Life is the official youth magazine for the Boy Scouts of America Published since 1911 it contains a proven mix of news nature sports history fiction science comics and Scouting *Contrails, the Air Force Cadet Handbook* United States Air Force Academy, 1993 **American Eagles**, 2024-05-07 Featuring the collection of airplanes art photographs and memorabilia of the National Museum of the U S Air Force at Wright Patterson Air Force Base near Dayton Ohio this magnificently illustrated book tells the story of the beginnings of flight through the creation of the U S Air Force as a separate branch of the military to the unbelievable technological achievements of what is the preeminent air power in the world today Here are combat aces Medal of Honor recipients crusty generals and

average citizens who served in the Air Force There are philosophers airplane designers test pilots rocket scientists armorers and grease monkeys More than 250 color and 150 black and white illustrations and photos and insightful text present the story of the U S Air Force of yesterday today and tomorrow published on the occasion of the seventy fifth anniversary of the United States Air Force and the one hundredth anniversary of the National Museum of the U S Air Force

## Decoding **P38 Lightning In Detail And Scale**: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its capability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**P38 Lightning In Detail And Scale**," a mesmerizing literary creation penned with a celebrated wordsmith, readers set about an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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