

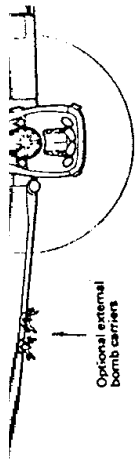
Junkers/Hamilton propeller

FOCKE WULF Fw189A-1 starboard side view

FOCKE WULF Fw189A-1 Rear view

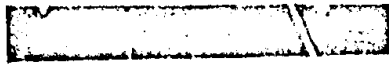
FOCKE WULF Fw189A-1 Underside plan view

Bomb racks removed from underside of starboard wing for clarity



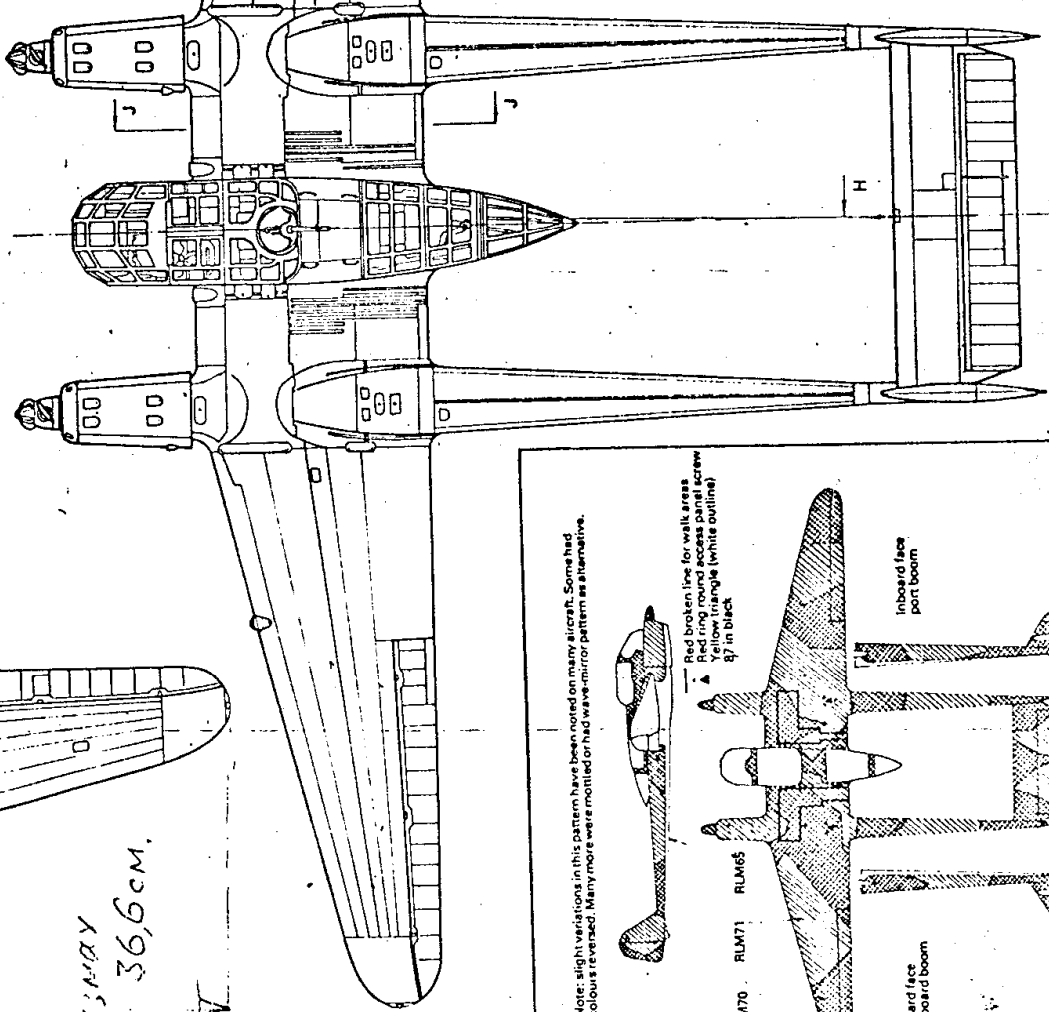
Optional external bomb carriers

FOCKE WULF Fw189A-1
Front view

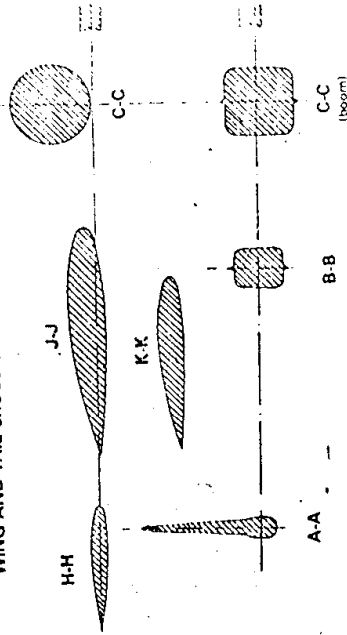


FOCKE WULF Fw189A-1
Upper surface plan view

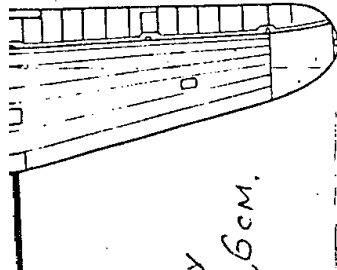
FOCKE WULF Fw189A-1
Port side view



WING AND TAIL CROSS SECTIONS



FUSELAGE



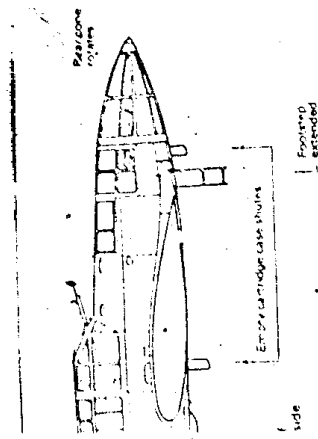
PAJ, MAY
36,6 cm.

Notes: slight variations in this pattern have been noted on many aircraft. Some had colour reversed. Many more were mottled or had wave-mirror pattern as alternative.

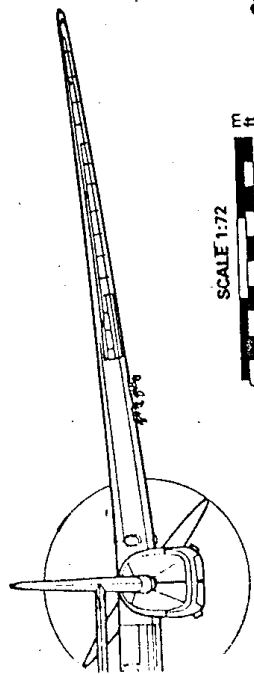
▲ Red broken line for walk areas
 ▲ Red ring round access panel screw
 ▲ Yellow triangle (white outline)
 ▲ 87 in black

RLM70 RLM71 RLM65
 Inboard face starboard boom
 Inboard face port boom

FOCKE WULF Fw189 Basic camouflage pattern 1941

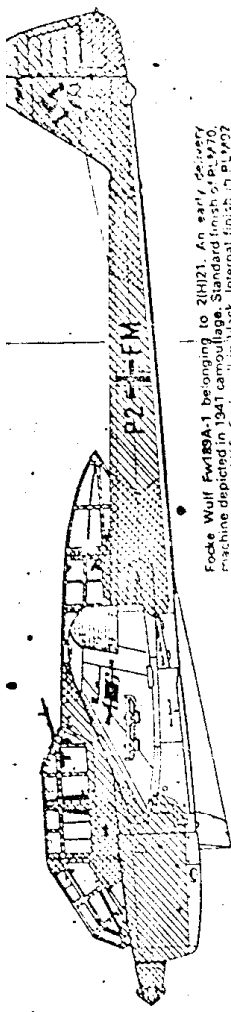
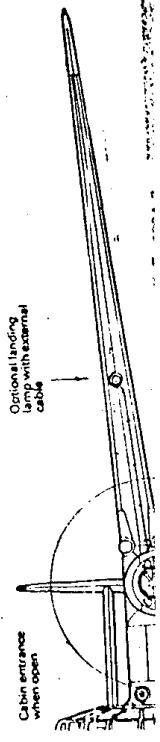


Drawings by Ian Huntley

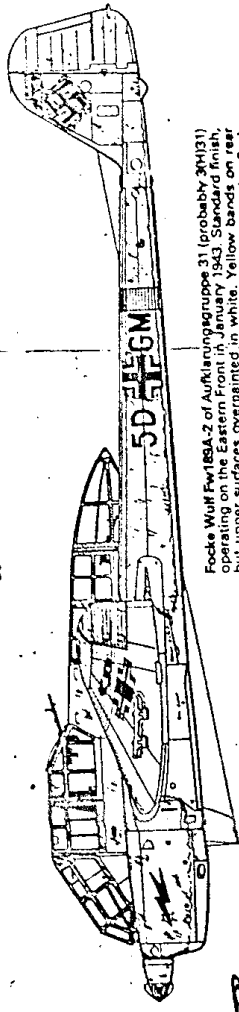


ZE WULF Fw 189

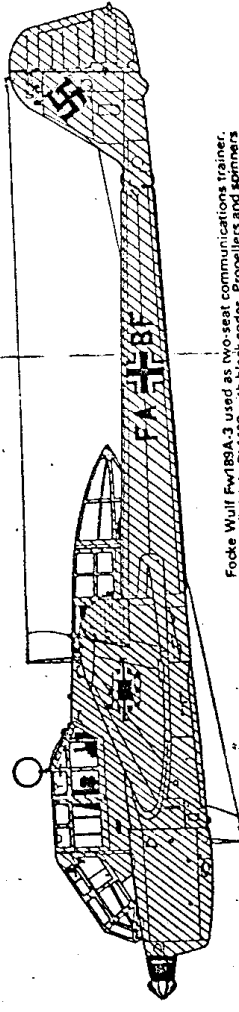
reconnaissance aircraft



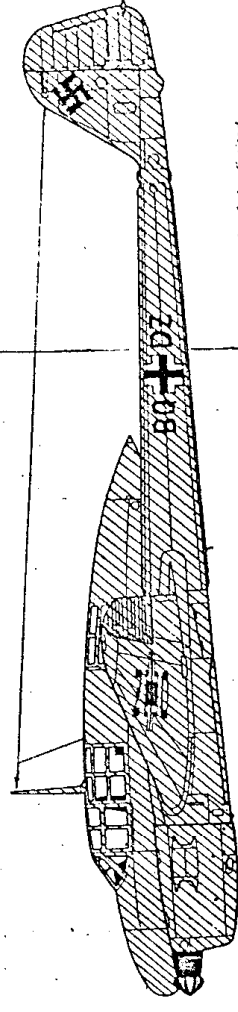
Focke Wulf Fw189A-1 belonging to 2(H)21. An early delivery aircraft as depicted in 1941 camouflage. Standard finish of RLM70, RLM71 and RLM65. Codes: all in black. Internal finish in RLM02 with grey instrument panels (RLM44), and black instrument faces. Control column and padded internal trim also in black.



Focke Wulf Fw189A-2 of Aufklärungsgruppe 31 (probably 3(H)31) operating with Eastern Front in January 1943. Standard finish, surfaces overpainted in white. Yellow bands on rear fuselage and underwing tips. Emblem on cowling has blue flash and red star. Fin serial in white.

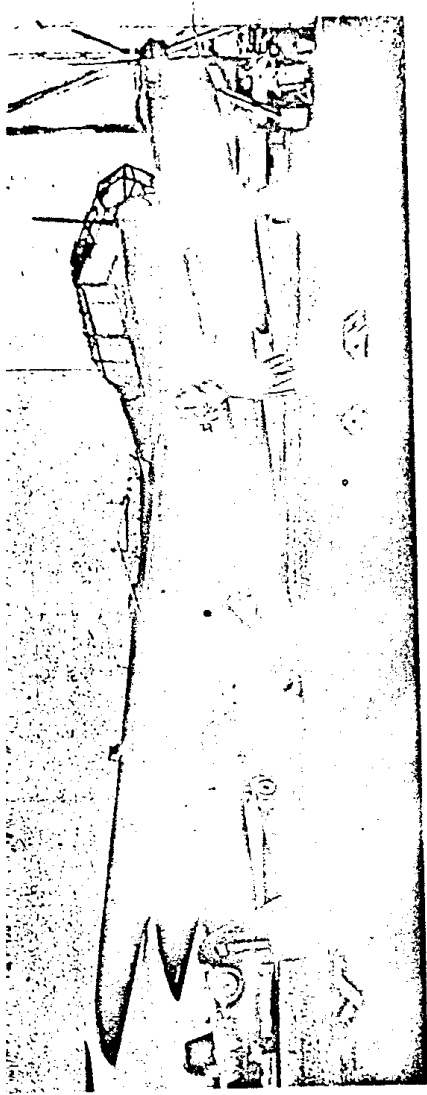


Focke Wulf Fw189A-3 used as two-seat communications trainer. Overall finish in RLM02 with black codes. Propellers and spinners in RLM70 Dunkelgrün. A number of these aircraft were operated in 1940 to train operators for special radio beam location work.

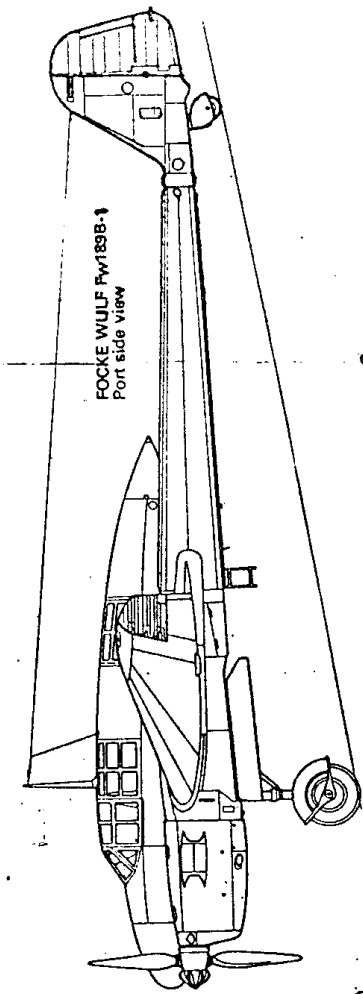
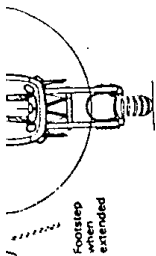


Focke Wulf Fw189B-1. One of the first aircraft of the limited production series, five-seat control trainers shown in early 1940 delivery finish on Fw189B-1. RLM02 with black codes. Internal finish also RLM02 with black instrument faces on RLM44 Grau instrument panels.

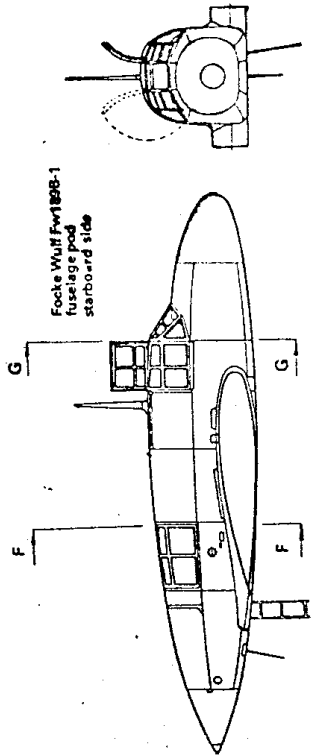




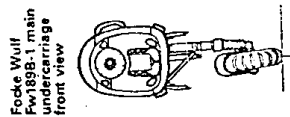
(S/N 0173) was captured by the RAE and displayed at RAE Farnborough in October, 1945 wearing the Air Ministry No. 27. Later it was transferred to Brite Norton and sold to Portsmouth Aviation on 12 December 1946. B.C. no. AFocke Wulf Fw 189A-1 in RLM 7071 upper surface primer camouflage. No unit markings can be seen.



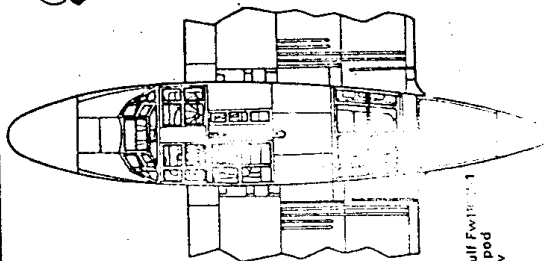
FOCKE WULF Fw 189B-1
Port side view



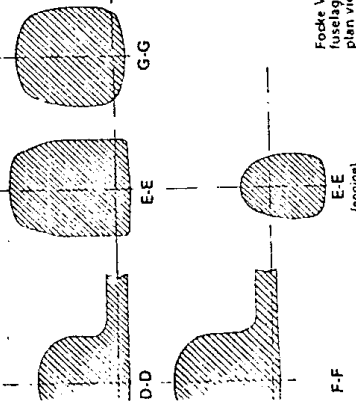
Focke Wulf Fw 189B-1
fuselage pod
starboard side



Focke Wulf
Fw 189B-1 main
undercarriage
front view

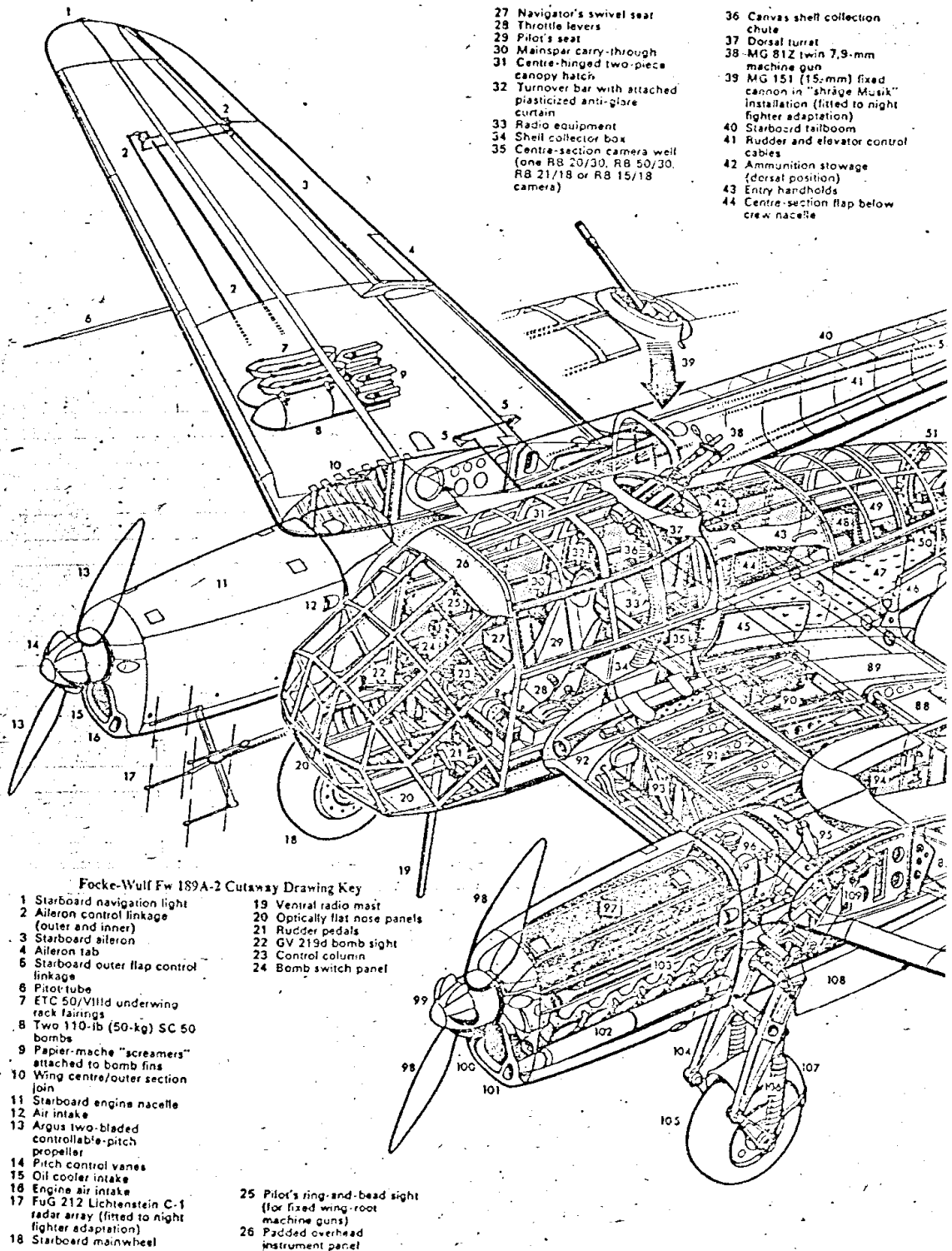


Focke Wulf Fw 189B-1
fuselage pod
plan view



F-F

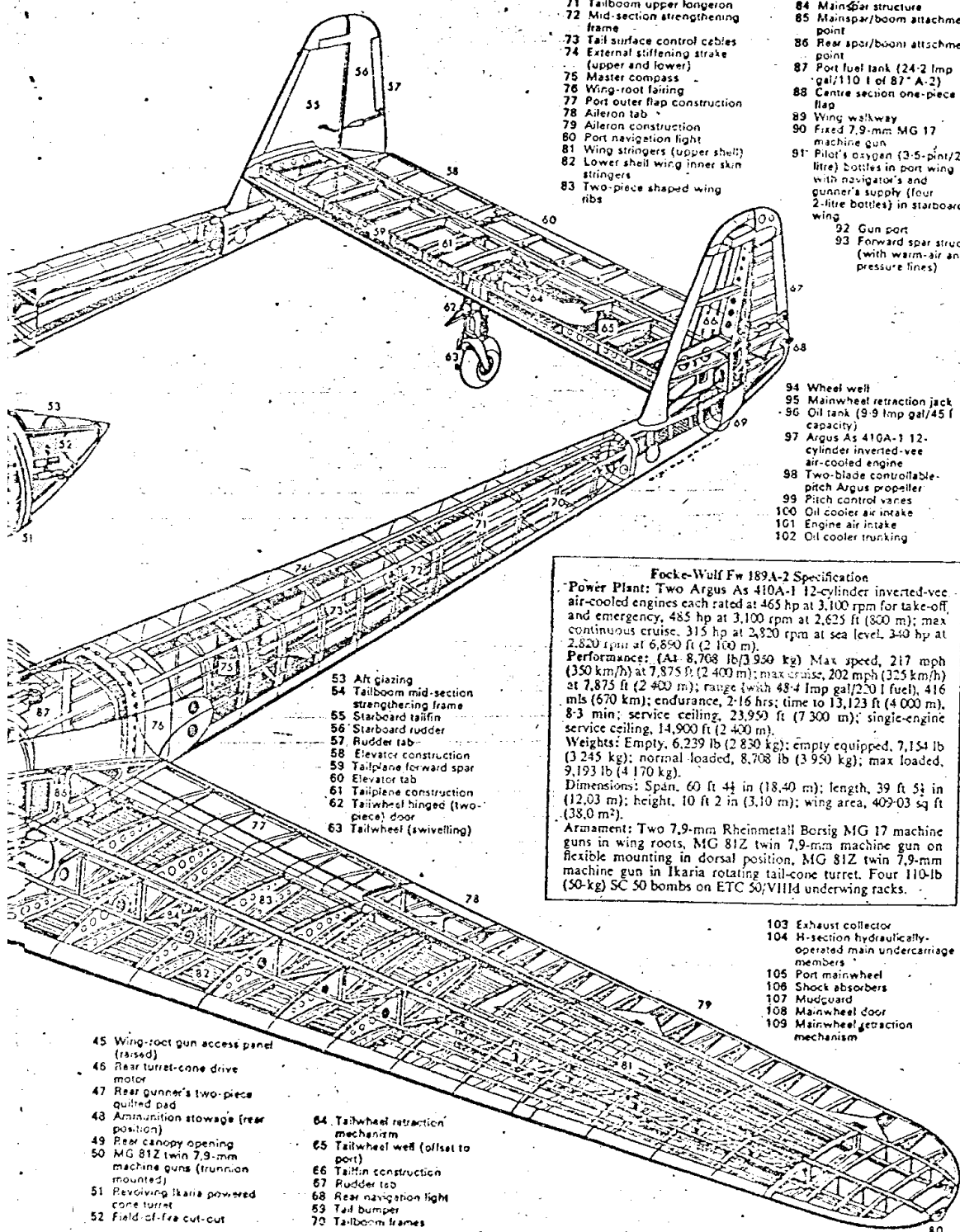
SECTIONS



- 27 Navigator's swivel seat
- 28 Throttle levers
- 29 Pilot's seat
- 30 Mainspar carry-through
- 31 Centre-hinged two-piece canopy hatch
- 32 Turnover bar with attached plasticized anti-glare curtain
- 33 Radio equipment
- 34 Shell collector box
- 35 Centre-section camera well (one RB 20/30, RB 50/30, RB 21/18 or RB 15/18 camera)
- 36 Canvas shell collection chute
- 37 Dorsal turret
- 38 MG 81Z twin 7.9-mm machine gun
- 39 MG 151 (15-mm) fixed cannon in "schräge Musik" installation (fitted to night fighter adaptation)
- 40 Starboard tailboom
- 41 Rudder and elevator control cables
- 42 Ammunition stowage (dorsal position)
- 43 Entry handholds
- 44 Centre-section flap below crew nacelle

Focke-Wulf Fw 189A-2 Cutaway Drawing Key

- 1 Starboard navigation light
- 2 Aileron control linkage (outer and inner)
- 3 Starboard aileron
- 4 Aileron tab
- 6 Starboard outer flap control linkage
- 8 Pitot tube
- 7 ETC 50/VIIIId underwing rack fairings
- 8 Two 110-lb (50-kg) SC 50 bombs
- 9 Papier-mache "screamers" attached to bomb fins
- 10 Wing centre/outer section join
- 11 Starboard engine nacelle
- 12 Air intake
- 13 Argus two-bladed controllable-pitch propeller
- 14 Pitch control vanes
- 15 Oil cooler intake
- 16 Engine air intake
- 17 FuG 212 Lichtenstein C-1 radar array (fitted to night fighter adaptation)
- 18 Starboard mainwheel
- 19 Ventral radio mast
- 20 Optically flat nose panels
- 21 Rudder pedals
- 22 GV 219d bomb sight
- 23 Control column
- 24 Bomb switch panel
- 25 Pilot's ring-and-bead sight (for fixed wing-root machine guns)
- 26 Padded overhead instrument panel



- 71 Tailboom upper longeron
- 72 Mid-section strengthening frame
- 73 Tail surface control cables
- 74 External stiffening strake (upper and lower)
- 75 Master compass
- 76 Wing-root fairing
- 77 Port outer flap construction
- 78 Aileron tab
- 79 Aileron construction
- 80 Port navigation light
- 81 Wing stringers (upper shell)
- 82 Lower shell wing inner skin stringers
- 83 Two-piece shaped wing ribs

- 84 Main spar structure
- 85 Mainspar/boom attachment point
- 86 Rear spar/boom attachment point
- 87 Port fuel tank (24.2 Imp gal/110 l of 87 A-2)
- 88 Centre section one-piece flap
- 89 Wing walkway
- 90 Fixed 7.9-mm MG 17 machine gun
- 91 Pilot's oxygen (3.5-pint/2-litre) bottles in port wing with navigator's and gunner's supply (four 2-litre bottles) in starboard wing
- 92 Gun port
- 93 Forward spar structure (with warm-air and oil-pressure lines)

- 94 Wheel well
- 95 Mainwheel retraction jack
- 96 Oil tank (9.9 Imp gal/45 l capacity)
- 97 Argus As 410A-1 12-cylinder inverted-vee air-cooled engine
- 98 Two-blade controllable-pitch Argus propeller
- 99 Pitch control vanes
- 100 Oil cooler air intake
- 101 Engine air intake
- 102 Oil cooler trunking

Focke-Wulf Fw 189A-2 Specification

Power Plant: Two Argus As 410A-1 12-cylinder inverted-vee air-cooled engines each rated at 465 hp at 3,100 rpm for take-off, and emergency, 485 hp at 3,100 rpm at 2,625 ft (800 m); max continuous cruise, 315 hp at 2,520 rpm at sea level, 340 hp at 2,820 rpm at 6,890 ft (2,100 m).

Performance: (At 8,708 lb/3,950 kg) Max speed, 217 mph (350 km/h) at 7,875 ft (2,400 m); max cruise, 202 mph (325 km/h) at 7,875 ft (2,400 m); range (with 48.4 Imp gal/220 l fuel), 416 mls (670 km); endurance, 2-16 hrs; time to 13,123 ft (4,000 m), 8.3 min; service ceiling, 23,950 ft (7,300 m); single-engine service ceiling, 14,900 ft (4,500 m).

Weights: Empty, 6,239 lb (2,830 kg); empty equipped, 7,154 lb (3,245 kg); normal loaded, 8,708 lb (3,950 kg); max loaded, 9,193 lb (4,170 kg).

Dimensions: Span, 60 ft 4 1/2 in (18.40 m); length, 39 ft 5 1/2 in (12.03 m); height, 10 ft 2 in (3.10 m); wing area, 409.03 sq ft (38.0 m²).

Armament: Two 7.9-mm Rheinmetall Borsig MG 17 machine guns in wing roots, MG 81Z twin 7.9-mm machine gun on flexible mounting in dorsal position, MG 81Z twin 7.9-mm machine gun in Ikaria rotating tail-cone turret. Four 110-lb (50-kg) SC 50 bombs on ETC 50/VIII underwing racks.

- 53 Ah glazing
- 54 Tailboom mid-section strengthening frame
- 55 Starboard tailfin
- 56 Starboard rudder
- 57 Rudder tab
- 58 Elevator construction
- 59 Tailplane forward spar
- 60 Elevator tab
- 61 Tailplane construction
- 62 Tailwheel hinged (two-piece) door
- 63 Tailwheel (swivelling)

- 45 Wing-root gun access panel (raised)
- 46 Rear turret-cone drive motor
- 47 Rear gunner's two-piece quilted pad
- 48 Ammunition stowage (rear position)
- 49 Rear canopy opening
- 50 MG 81Z twin 7.9-mm machine guns (trunnion mounted)
- 51 Revolving Ikaria powered cone turret
- 52 Field-of-view cut-out

- 64 Tailwheel retraction mechanism
- 65 Tailwheel well (offset to port)
- 66 Tailfin construction
- 67 Rudder tab
- 68 Rear navigation light
- 69 Tail bumper
- 70 Tailboom frames

- 103 Exhaust collector
- 104 H-section hydraulically-operated main undercarriage members
- 105 Port mainwheel
- 106 Shock absorbers
- 107 Mudguard
- 108 Mainwheel door
- 109 Mainwheel retraction mechanism

