



Forgotten Battles

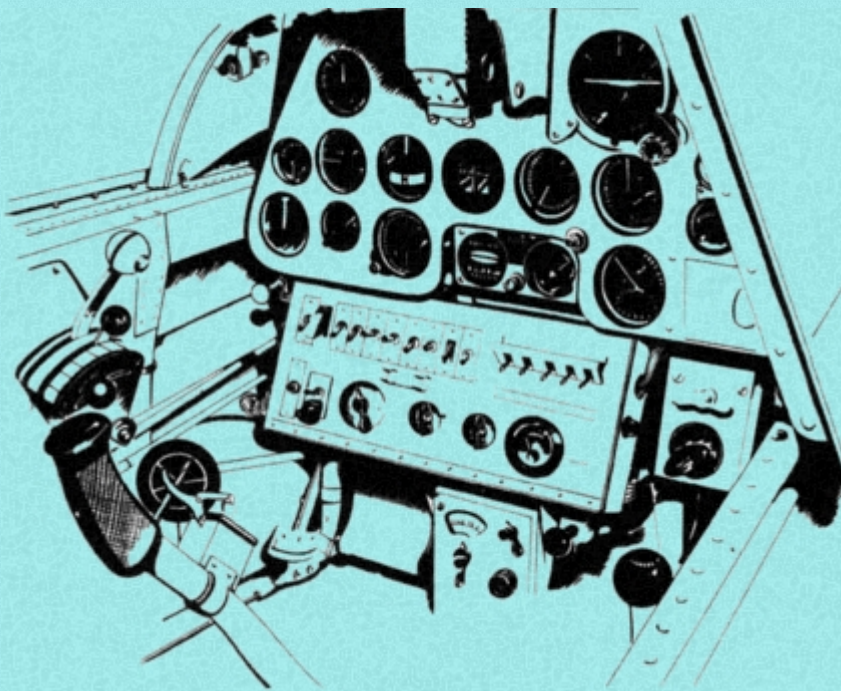
Ace Expansion Pack

Pacific Fighter

Pe-2 Peshka

Sturmoviks over Manchuria

1946



Cockpit Arrangement Guide

Corsican Corsair

v.3.1

December 2010



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This guide is an PDF file of 176 pages, which describes all the cockpits of the 1946 4.09 flyable aircraft with the 'in-game' controls and instruments.

It corrects several errors of the original game issued "Flyable Aircraft Guide" and completes the "4.09 Guide". It shows many cockpit photos, among which some are rare, of genuine or restored aircraft.

For more information, I suggest to refer to you to real pilot's manuals available on the web. For this purpose, a "Bibliography and Research Sources" section is provided at the end of the guide.

It can be printed on A4 paper size (native size), or on Letter paper size, in duplex mode (recto-verso) and high resolution (on heavy paper) then assembled with plastic or spiral binding.

A description of the methods of navigation in the document, particularly adapted to the full screen mode, is presented hereafter.

Version history

v.3.1 Update - December 7, 2010

- Modifications on the following aircraft:
 - ◇ Ar 234: engine instruments, instrument light switch.
 - ◇ Fw 190 D-9's: inversion of oil temperature and coolant temperature gages.
 - ◇ Ta 152's: inversion of oil temperature and coolant temperature gages.
 - ◇ Go 229: engine instruments.
 - ◇ He 162: exhaust temperature gage.
 - ◇ Me 262's: engine instruments.
 - ◇ N1K2: instrument light switch, normal level fuel indicator light, low fuel warning light.
 - ◇ Ki-84's: instrument light switch, landing light switch, navigation lights switch.
 - ◇ IAR's: screenshots updated.
 - ◇ Mosquito: bomb doors lever.
 - ◇ Tempest: landing light switch.
 - ◇ Seafire: arrester hook lever.
 - ◇ Buffalo's: tail wheel lock lever, version information added.
 - ◇ P-40 Warhawk: instrument light switch, navigation lights switches.
 - ◇ P-63: cockpit light switch, landing light switch, navigation lights switches.
 - ◇ YP-80: engine instruments.
 - ◇ La-5's: landing light switch, navigation lights switches.
 - ◇ La-7's: instrument light switch, landing light switch, navigation lights switches.
 - ◇ LaGG-3RD: engine instruments.
 - ◇ I-185's: instrument light switch, landing light switch, navigation lights switch.
 - ◇ Yak-15: fuel injection pressure gage.
- Update as follows:
 - ◇ Cover page.
 - ◇ "Introduction" section.
 - ◇ "Units of measurement" page.
 - ◇ Index pages.
 - ◇ "Aircraft & operational controls" pages – Gunsight column: type added and "Toggle Gunsight" control indicated in color (blue for "yes", red for "no").
 - ◇ "Bibliography and Research Sources" section.
 - ◇ Bookmarks.
- New photos for Fw 190 D-9 (1945), Me 262 A-2, C.R.42, A6M5/a, P-40 Hawk, I-185 M-82.

v.3.0 Update - October 17, 2009

- Addition of the 4.09 new flyable aircraft:
 - ◇ Avia B-534-IV.
 - ◇ Fokker D.XXI's.
 - ◇ Macchi M.C.200 VII's
 - ◇ Polikarpov I-16 type 5 & 6.
 - ◇ Savoia-Marchetti S.M.79.
- Addition of introduction section.
- Update as follows:
 - ◇ Cover page.
 - ◇ "Units of measurement" page.
 - ◇ Index pages.
 - ◇ List of the 'in-game' controls of aircraft.
 - ◇ "Bibliography and Research Sources" section.
- New high quality photos for He 162, I-153 and I-16's.
- Minor corrections.

v.2.0 Upgrade - September 7, 2009

- Strongly improved navigation in the document, particularly in full screen mode.
- New index page.
- New list of the 'in-game' controls of aircraft.
- Corrections and additions for most of the aircraft.
- Numerous new photos with links.

v.1.0 Initial release - February 8, 2008

Credits and thanks:

- Sidermax and Pe_Mosor — "Cockpit reference guide" - January 2005.
- Shmulik Hen (AKA 101Hedgehog) — IL-2 Functions v.4.07.005 - January 2007.
- Great thanks to museums, to documents owners and to numerous photographers for the images.
- Tromplamort for his photos of the genuine WWII He 162 belonging to the French Musée de l'Air et de l'Espace and restored by the Memorial Flight Association.

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Corsican Corsair

Dedicated to my father Christian, 1933-2009

In the cover page:

- To click on a war flag (1) brings you in the corresponding section.
- To click on the game logo (2) brings you in the index page.





In the index page, clickable items bring you in the corresponding section (1) or aircraft page (2),


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Introduction ---- Navigation in the document
Units of measurement
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 **FINLAND**
Fokker D.XXI Serie 3
Fokker D.XXI Serie 3 Late


 **GERMANY**
Arado Ar 234 B-2
Domier Do 335 A-0
Domier Do 335 V-13
Focke-Wulf Fw 190 A-4
Focke-Wulf Fw 190 A-5 / A-6
Focke-Wulf Fw 190 A-8 / A-9
Focke-Wulf Fw 190 A-8 Mistel III a
Focke-Wulf Fw 190 D-9 (1944)
Focke-Wulf Fw 190 D-9 (1945)
Focke-Wulf Fw 190 F-8
Focke-Wulf Ta 152 C
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Focke-Wulf Ta 183
Gotha Go 229 A-1
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Junkers Ju 87 D / G
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Messerschmitt Bf 109 E
Messerschmitt Bf 109 F
Messerschmitt Bf 109 G-2
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Messerschmitt Bf 109 G-10
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Messerschmitt Bf 109 K-4
Messerschmitt Bf 109 Z
Messerschmitt Bf 110 G-2
Messerschmitt Me 163 B-1a
Messerschmitt Me 262 A-1a / 1a/U4
Messerschmitt Me 262 A-2a
Messerschmitt Me 262 HG II

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Fiat G.50
Macchi M.C.200 III
Macchi M.C.200 VII
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Macchi M.C.205
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Mitsubishi A6M5 / 5a Reisen
Mitsubishi A6M5b / 7-63 Reisen
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Aichi D3A1
Mitsubishi G4M1-11
Mitsubishi J2M3 Raiden
Mitsubishi J2M5 Raiden
Kawanishi N1K2-JA Shiden Kai
Nakajima Ki-27
Nakajima Ki-43 Hayabusa
Nakajima Ki-43-II Hayabusa
Nakajima Ki-43-II Kai Hayabusa
Kawasaki Ki-61-I Hien
Nakajima Ki-84-Ia Hayate
Nakajima Ki-84-Ib / Ic Hayate
Kawasaki Ki-100-I-Ko Hien

 **POLAND**
Panstwowe Zaklady Lotnicze PZL P.11c

 **ROMANIA**
Industria Aeronautica Romana I.A.R. 80
Industria Aeronautica Romana I.A.R. 81-A / C

 **SLOVAKIA**
Avia B-534-IV

Click on an item to go in the corresponding page. In this one:
- to click on the war flag brings back for you in this index page,
- to click on the nose section or the tail section of the aircraft picture brings you in the list of the 'in-game' controls of aircraft.

1/2

In an aircraft page:

- To click on the aircraft picture brings you in the list of the 'in-game' controls of aircraft. This list, split into "ENGINE CONTROLS" list and into "AIRCRAFT & OPERATIONAL CONTROLS" list, shows you what are, by aircraft, the controls - active or not - and their settings. The nose section (1) selects the "ENGINE CONTROLS" corresponding page and the tail section (2) selects the "AIRCRAFT & OPERATIONAL CONTROLS" corresponding page.

Note: In the Hurricane page, for the "Mk. I" controls, click on "Mk" in place of the nose section and on "I" in place of the tail section.

- To click on the link (3) beside a photograph, when existing, brings you in the website or the webpage lodging this one.

Note: Possible broken links are not of my fact.

- To click on the war flag (4) brings back for you in the index page.

Mitsubishi J2M3 Raiden «Jack»

- Free air temperature gage
- Exhaust temperature gage
- Tachometer
- Fuel gage
- Turn and bank indicator
- Artificial horizon
- Variometer
- Flaps position indicator
- Cylinder head temperature gage
- Manifold pressure gage
- Fuel gage
- Magnetic compass
- Airspeed indicator
- Altimeter
- Landing gear position indicator: green - down, no light - transition, red - up
- Water (ADI) quantity gage
- Oil temperature gage
- Oil pressure gage
- Oxygen system gage
- Hydraulic pressure gage
- 21 & 22. Radiator handles
- Water (ADI) pressure gage
- Engine ignition switch
- Fuel pressure gage
- Clock
- Flaps switch
- Throttle
- Mixture lever
- Propeller pitch lever
- Supercharger lever
- Boost lever
- Elevator trim wheel & indicator
- Rudder trim wheel & indicator

J2M3 (<http://gunright.jp/b/index.htm>)

38 & 36. Landing gear levers

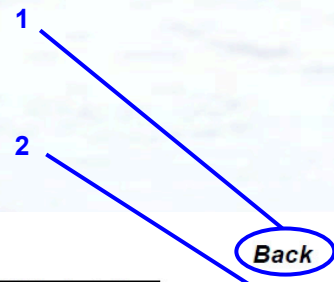
In an 'in-game' controls of aircraft page, clickable items bring you in:

- the previously shown page (1) (Acrobat Reader & Foxit Reader feature),
- the index page (2),
- the corresponding section (3).

Note: These lists are based on the IL-2 Functions tables written by Shmulik Hen (AKA 101Hedgehog) in January 2007 and that I adapted.

ENGINE CONTROLS

Aircraft	Power	Boost	Prop Pitch	Mixture	Mixture Setting Alt	Supercharger	Alt S2-S3	Radiators Flaps	Fire Ext	Feather	Drop Tanks
FW-190 A-8 (Mistel), 1944	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O	No	No	No
Fiat CR.42, 1938	0-110	No	0-100	0-120	4600	No		C, 2, 4, 6, 8, O	No	No	No
Fiat G.50, 1938	0-110	No	0-100	0-120	4650	No		C, 2, 4, 6, 8, O	5 times	No	No
G4M1-11, 1941	0-110	No	0-100	0-120	6700	2 Stages	3000	C, 2, 4, 6, 8, O	No	Yes	No
Go-229 A-1, 1945	0-100	No	No	No		No		No	No	No	No
He-111H-2, 1941	0-110	No	0-100	0-120	4800	2 Stages	2800	C, 2, 4, 6, 8, O	No	Yes	No
He-111H-6, 1941	0-110	No	0-100	0-120	4700	2 Stages	2800	C, 2, 4, 6, 8, O	No	Yes	No
He-162 A-2	0-100	No	No	No		No		No	No	No	No
He-162C, 1946	0-110	No	No	No		No		No	No	No	No
He-162D, 1946	0-110	No	No	No		No		No	No	No	No
Heinkel Lerche III B-2, 1945	0-110	No	0-100	No		No		No	No	Yes	No
Hurricane Mk.I, 1938	0-110	No	0-100	100, 120		No		C, 2, 4, 6, 8, O	No	No	No
I.A.R 80, 1940	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
I.A.R 81a, 1940	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
I.A.R 81c, 1940	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
J2M3, 1944	0-110	Yes	0-100	0-120	6500	2 Stages	3000	C, 2, 4, 6, 8, O	No	No	No
J2M5, 1944	0-110	Yes	0-100	0-120	6500	3 Stages	3000 - 5500	C, 2, 4, 6, 8, O	No	No	No
J8A, 1937	0-110	No	No	0-120	4900	No		No	No	Yes	No
Ju-87B-2, 1941	0-110	No	0-100	No		2 Stages	2800	C, 2, 4, 6, 8, O	No	Yes	No
Ju-87D-3, 1942	0-110	No	0-100	No		2 Stages	2800	C, 2, 4, 6, 8, O	No	Yes	No
Ju-87D-5, 1942	0-110	No	0-100	No		2 Stages	2800	C, 2, 4, 6, 8, O	No	Yes	No
Ju-87G-1, 1943	0-110	No	0-100	No		2 Stages	2800	C, 2, 4, 6, 8, O	No	Yes	No
Ju-88A-4, 1941	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	Yes	No
Ki-27 Ko, 1938	0-110	No	No	0-120	6000	No		C, 2, 4, 6, 8, O	No	No	No
Ki-27 Otsu, 1938	0-110	No	No	0-120	6000	No		C, 2, 4, 6, 8, O	No	No	No
Ki-43-Ia, 1941	0-110	No	0-100	0-120	6400	No		C, 2, 4, 6, 8, O	No	No	No
Ki-43-Ib, 1941	0-110	No	0-100	0-120	6400	No		C, 2, 4, 6, 8, O	No	No	No
Ki-43-Ic, 1941	0-110	No	0-100	0-120	6400	No		C, 2, 4, 6, 8, O	No	No	No
Ki-43-II, 1942	0-110	No	0-100	0-120	6400	2 Stages	3300	C, 2, 4, 6, 8, O	No	No	No
Ki-43-II, Kai, 1943	0-110	No	0-100	0-120	6400	2 Stages	3300	C, 2, 4, 6, 8, O	No	No	No
Ki-61-I Ko, 1942	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
Ki-61-I Hei, 1944	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	4 times	No	Yes
Ki-61-I Otsu, 1943	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
Ki-84-Ia, 1944	0-110	Yes	0-100	100, 120		2 Stages	2500	C, 2, 4, 6, 8, O	No	No	Yes
Ki-84-Ib, 1944	0-110	Yes	0-100	100, 120		2 Stages	2500	C, 2, 4, 6, 8, O	No	No	Yes
Ki-84-Ic, 1945	0-110	Yes	0-100	100, 120		2 Stages	2500	C, 2, 4, 6, 8, O	No	No	Yes
Ki-100 Ko, 1945	0-110	Yes	0-100	0-120	6500	2 Stages	3500	C, 2, 4, 6, 8, O	No	No	No
MC.200 Serie 3, 1940	0-110	No	0-100	0-120	4600	No		C, 2, 4, 6, 8, O	5 times	No	No
MC.200 Serie 7, 1941	0-110	No	0-100	0-120	4600	No		C, 2, 4, 6, 8, O	5 times	No	No
MC.200 Serie 7 FB, 1941	0-110	No	0-100	0-120	4600	No		C, 2, 4, 6, 8, O	5 times	No	No
MC.202 Serie III, 1941	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
MC.202 Serie VII, 1942	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
MC.202 Serie XII, 1943	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
MC.205 V Serie I, 1943	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	Yes	No
MC.205 V Serie III, 1943	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	Yes	No
Me-163B-1a, 1944	0-110	No	No	No		No		No	No	No	No
Me-262A-1a, 1944	0-100	No	No	No		No		No	No	No	No



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Click on the war flag to go in the corresponding page.

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 - Curtiss P-40 Warhawk
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 - North American P-51D-20NA Mustang
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 - Douglas SBD Dauntless
 - Lockheed YP-80 Shooting Star
- USSR
- Bibliography and Research Sources

Chance Vought F4U Corsair 1A / 1C / 1D / Corsair Mk. I / Mk. II / Mk. IV

1. Water injection (ABI) warning light
2. Stall warning light
3. Altimeter
4. Directional gyre
5. Remote reading compass
6. Artificial horizon
7. Clock
8. Oil temperature gage
9. Tachometer
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28. Dreller pitch lever
29. Aileron trim wheel
30. Elevator trim wheel
31. Rudder trim wheel
32. Wing fold lever
33. Arrestor hook lever

F4U (http://clubbox.fee.hr/F4U_cockpit/page_01.html)

Units of measurement

German aircraft:

- manifold pressure (absolute) - atmosphere (ata)
- altitude - meter (m)
- speed - kilometer per hour (km/h)
- vertical speed - meter per second (m/s)

Italian aircraft:

- manifold pressure (absolute) - milimeter of mercury (mm Hg)
 - atmosphere (ata) for M.C.202's
 - kilogram per square centimeter (kg/cm²) for S.M.79
- altitude - meter (m)
- speed - kilometer per hour (km/h)
- vertical speed - meter per second (m/s)

Japan aircraft:

- manifold pressure (relative -/+) - kilogram per square decimeter (kg/dm²)
- altitude - meter (m)
- speed - *Army* - kilometer per hour (km/h)
 - *Navy* - knot (kt) except D3A1 and G4M1
- vertical speed - meter per second (m/s)

Polish aircraft:

- manifold pressure (relative -/+) - kilogram per square centimeter (kg/cm²)
- altitude - meter (m)
- speed - kilometer per hour (km/h)
- vertical speed - meter per second (m/s)

British aircraft:

- manifold pressure (relative -/+) - pound per square inch (lb./sq. in. or PSI)
- altitude - foot (ft)
- speed - mile per hour (mph)
 - knot (kt) for Hurricane's
- vertical speed - foot per minute (fpm)

American aircraft:

- manifold pressure (absolute) - inch of mercury (in. Hg)
- altitude - foot (ft)
- speed - *Air Force* - mile per hour (mph)
 - *Navy* - knot (kt)
- vertical speed - foot per minute (fpm)

Finnish, Romanian, Slovakian and Soviet aircraft:

- manifold pressure (absolute) - milimeter or centimeter of mercury (mm Hg - cm Hg)
 - (relative -/+) - milimeter of mercury (mm Hg) for J8A
- altitude - meter (m)
- speed - kilometer per hour (km/h)
- vertical speed - meter per second (m/s)

1 ata = 760 mm Hg = 29.92 in. Hg

± 10 kg/dm² = ± 0.1 kg/cm² = ± 1.4 lb./sq. in.

1000 m = 3280 ft

500 km/h = 310 mph = 270 kt

10 m/s = 1970 fpm

4.09



Forgotten Battles

Ace Expansion Pack

Pacific Fighter

Pe-2 Peshka

Sturmoviks over Manchuria

1946

"Cockpit Arrangement Guide" including cockpit screenshots, reference data, photos search and layout realized by [Corsican Corsair](#).

This guide covers the flyable planes of IL-2 series up to no modded 1946 4.09.

The photos of the cockpits, from genuine or restored aircraft, were added **for curiosity** only. When a photo is clearly identified, its link and/or its photographer is indicated. Great thanks to museums, to documents owners and to numerous photographers for these images.

Note: Any reference to Nazi regime is purely and simply historical and has no political intention.

For any (welcome) suggestion, improvement, correction for this edition: corsair58@wanadoo.fr

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Focke-Wulf Fw 190 A-8 / A-9

Focke-Wulf Fw 190 A-8 Mistel III a

Focke-Wulf Fw 190 D-9 (1944)

Focke-Wulf Fw 190 D-9 (1945)

Focke-Wulf Fw 190 F-8

Focke-Wulf Ta 152 C

Focke-Wulf Ta 152 H-1

Focke-Wulf Ta 183

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Heinkel He 111

Heinkel He 162

Heinkel He III B-2

Junkers Ju 87 B-2

Junkers Ju 87 D / G

Junkers Ju 88 A-4

Messerschmitt Bf 109 E

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Messerschmitt Bf 109 G-10

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JAPAN

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Aichi D3A1

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Mitsubishi J2M3 Raiden

Mitsubishi J2M5 Raiden

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Kawasaki Ki-61-I Hien

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POLAND

Panstwowe Zaklady Lotnicze PZL P.11c



ROMANIA

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Industria Aeronautica Romana I.A.R. 81-A / C



SLOVAKIA

Avia B-534-IV

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Hawker Tempest Mk.V
Supermarine Seafire Mk. III
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Supermarine Spitfire Mk. VIII
Supermarine Spitfire Mk. IX



UNITED STATES OF AMERICA

Douglas A-20C Havoc
Douglas A-20G Havoc
Brewster B239 Buffalo
Brewster F2A-2 Buffalo
Brewster Mk. I Buffalo
North American B-25J Mitchell
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Lockheed P-38 Lightning
Bell P-39 Airacobra
Curtiss P-40 Hawk / Tomahawk
Curtiss P-40 Warhawk
Republic P-47D-10 / D-22 Thunderbolt
Republic P-47D / D-27 Thunderbolt
North American P-51 Mustang B-NA / C-NT / Mustang Mk. III
North American P-51D-5NT Mustang
North American P-51D-20NA Mustang
Bell P-63C-5 Kingcobra
Douglas SBD Dauntless
Lockheed YP-80 Shooting Star



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Bereznyak-Isayev BI-1
Bereznyak-Isayev BI-6
Ilyushin IL-2 Sturmovik 1st / 2nd / 3rd / field mod
Ilyushin IL-2 Sturmovik M first-later / 3 / 3M / I / T
Ilyushin IL-10 Beast
Lavochkin La-5
Lavochkin La-5F / FN
Lavochkin La-7
Lavochkin La-7 3xB20
Lavochkin La-7R
Lavochkin/Gorbunov/Gudkov LaGG-3 series 4 / 29 / 35
Lavochkin/Gorbunov/Gudkov LaGG-3 series 66 / IT
Lavochkin/Gorbunov/Gudkov LaGG-3RD
Mikoyan-Gurevich MiG-3
Mikoyan-Gurevich MiG-9 F2 (I-300) / FS
Mikoyan-Gurevich MiG-13 / I-250
Petlyakov Pe-2 Series 1
Petlyakov Pe-2 Series 84
Petlyakov Pe-2 Series 110
Petlyakov Pe-2 Series 359
Petlyakov Pe-3
Petlyakov Pe-3bis
Polikarpov I-153
Polikarpov I-16 Type 5 & 6
Polikarpov I-16 Type 18 & 24
Polikarpov I-185 M-71
Polikarpov I-185 M-82
Tupolev TB-3
Yakovlev Yak-1 / B
Yakovlev Yak-3
Yakovlev Yak-3R
Yakovlev Yak-7A / B
Yakovlev Yak-9
Yakovlev Yak-9B / D
Yakovlev Yak-9K / M / T
Yakovlev Yak-9U / UT
Yakovlev Yak-15

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List of the 'in-game' controls of aircraft

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These lists are based on the IL-2 Functions tables written by [Shmulik Hen \(AKA 101Hedgehog\)](#) and adapted by Corsican Corsair.

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Aircraft	Power	Boost	Prop Pitch	Mixture	Mixture Setting Alt	Supercharger	Alt S2-S3	Radiators Flaps	Fire Ext	Feather	Drop Tanks
Allied											
A-20C, 1941	0-110	No	0-100	No		2 Stages	2200	C, 2, 4, 6, 8, O	3 times	Yes	No
A-20G, 1943	0-110	No	0-100	No		2 Stages	2200	C, 2, 4, 6, 8, O	3 times	Yes	No
B-25J-1NA, 1944	0-110	No	0-100	No		2 Stages	2700	C, 2, 4, 6, 8, O	3 times	Yes	No
Beaufighter MK21, 1944	0-110	No	0-100	0-120	5200	No		C, 2, 4, 6, 8, O	No	Yes	No
BI-1, 1942	0-100	No	No	No		No		No	No	No	No
Bi-6, 1942	0-100	No	No	No		No		No	No	No	No
Buffalo MK.I	0-110	No	0-100	0-120	9400	2 Stages	3000	C, 2, 4, 6, 8, O	No	No	No
F2A-2, 1940	0-110	No	0-100	0-120	9300	2 Stages	3000	C, 2, 4, 6, 8, O	No	No	No
F4F-3, 1941	0-110	No	0-100	100, 120		3 Stages	2500 - 4800	C, 2, 4, 6, 8, O	No	No	Yes
F4F-4, 1942	0-110	No	0-100	100, 120		3 Stages	2500 - 4800	C, 2, 4, 6, 8, O	No	No	Yes
FM-2, 1943	0-110	Auto (> 100)	0-100	100, 120		2 Stages	2500	C, 2, 4, 6, 8, O	No	No	Yes
F4U-1A, 1943	0-110	Auto (> 100)	0-100	100, 120		3 Stages	2600 - 8200	C, 2, 4, 6, 8, O	No	No	Yes
F4U-1C, 1945	0-110	Auto (> 100)	0-100	100, 120		3 Stages	2600 - 8200	C, 2, 4, 6, 8, O	No	No	Yes
F4U-1D, 1944	0-110	Auto (> 100)	0-100	100, 120		3 Stages	2600 - 8200	C, 2, 4, 6, 8, O	No	No	Yes
Corsair MK.I, 1943	0-110	Auto (> 100)	0-100	100, 120		3 Stages	2600 - 8200	C, 2, 4, 6, 8, O	No	No	Yes
Corsair MK.II, 1943	0-110	Auto (> 100)	0-100	100, 120		3 Stages	2600 - 8200	C, 2, 4, 6, 8, O	No	No	Yes
Corsair MK.IV, 1944	0-110	Auto (> 100)	0-100	100, 120		3 Stages	2600 - 8200	C, 2, 4, 6, 8, O	No	No	Yes
F6F-3 Late, 1943	0-110	Auto (> 100)	0-100	100, 120		3 Stages	2500 - 8100	C, 2, 4, 6, 8, O	No	No	Yes
F6F-5, 1944	0-110	Auto (> 100)	0-100	100, 120		3 Stages	2500 - 8100	C, 2, 4, 6, 8, O	No	No	Yes
Hurricane Mk.IIb, 1940	0-110	Yes	0-100	100, 120		2 Stages	2800	C, 2, 4, 6, 8, O	No	No	No
Hurricane Mk.IIc, 1941	0-110	Yes	0-100	100, 120		2 Stages	2800	C, 2, 4, 6, 8, O	No	No	No
Hurricane Mk.II field mod.	0-110	Yes	0-100	100, 120		2 Stages	2800	C, 2, 4, 6, 8, O	No	No	No
I-153 M-62, 1939	0-110	No	0-100	0-120	4000	2 Stages	2200	C, 2, 4, 6, 8, O	No	No	No
I-153P, 1939	0-110	No	0-100	0-120	4000	2 Stages	2200	C, 2, 4, 6, 8, O	No	No	No
I-16 Type 5, 1935	0-100	No	No	0-120	4800	No		C, 2, 4, 6, 8, O	No	No	No
I-16 Type 5 (SPB), 1938	0-100	No	No	0-120	4800	No		C, 2, 4, 6, 8, O	No	No	No
I-16 Type 5 (skis), 1935	0-100	No	No	0-120	4800	No		C, 2, 4, 6, 8, O	No	No	No
I-16 Type 6, 1937	0-100	No	No	0-120	4800	No		C, 2, 4, 6, 8, O	No	No	No
I-16 Type 6 (skis), 1937	0-100	No	No	0-120	4700	No		C, 2, 4, 6, 8, O	No	No	No
I-16 Type 18, 1939	0-110	No	0-100	0-120	4900	2 Stages	2200	C, 2, 4, 6, 8, O	No	No	Yes
I-16 Type 24, 1939	0-110	No	0-100	0-120	4800	2 Stages	2200	C, 2, 4, 6, 8, O	No	No	Yes
I-16 Type 24 (SPB), 1939	0-110	No	0-100	0-120	4800	2 Stages	2200	C, 2, 4, 6, 8, O	No	No	No
I-185 M-71, 1942	0-100	Yes	0-100	0-120	5000	3 Stages	2000 - 4200	C, 2, 4, 6, 8, O	No	No	No
I-185 M-82A, 1942	0-100	Yes	0-100	0-120	5000	3 Stages	2000 - 4200	C, 2, 4, 6, 8, O	No	No	No
I-250, 1946	0-100	No	0-100	0-120	5300	2 Stages	2000	No	No	No	No
IL-2, 1941 (1 series)	0-110	No	0-100	0-120	6850	No		C, 2, 4, 6, 8, O	No	No	No
IL-2, 1941 (2 series)	0-110	No	0-100	0-120	6850	No		C, 2, 4, 6, 8, O	No	No	No
IL-2, 1941 (3 series)	0-110	No	0-100	0-120	6850	No		C, 2, 4, 6, 8, O	No	No	No
IL-2, 1941 field mod.	0-110	No	0-100	0-120	6850	No		C, 2, 4, 6, 8, O	No	No	No
IL-2I, 1943	0-110	No	0-100	0-120	6850	No		C, 2, 4, 6, 8, O	No	No	No
IL-2M, 1942 (first series)	0-110	No	0-100	0-120	6850	No		C, 2, 4, 6, 8, O	No	No	No
IL-2M, 1942 (later series)	0-110	No	0-100	0-120	6850	No		C, 2, 4, 6, 8, O	No	No	No
IL-2T, 1943	0-110	No	0-100	0-120	6850	No		C, 2, 4, 6, 8, O	No	No	No
IL-2 Type 3, 1943	0-110	No	0-100	0-120	6850	No		C, 2, 4, 6, 8, O	No	No	No
IL-2 Type 3M, 1943	0-110	No	0-100	0-120	6850	No		C, 2, 4, 6, 8, O	No	No	No



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Aircraft	Power	Boost	Prop Pitch	Mixture	Mixture Setting Alt	Supercharger	Alt S2-S3	Radiators Flaps	Fire Ext	Feather	Drop Tanks
IL-10	0-110	No	0-100	0-120	7000	No		C, 2, 4, 6, 8, O	No	No	No
LaGG-3, 1941 (4 series)	0-110	No	0-100	0-120	4700	2 Stages	2200	C, 2, 4, 6, 8, O	No	No	Yes
LaGG-3, 1942 (29 series)	0-110	No	0-100	0-120	3200	2 Stages	2200	C, 2, 4, 6, 8, O	No	No	Yes
LaGG-3, 1942 (35 series)	0-110	No	0-100	0-120	3200	2 Stages	2200	C, 2, 4, 6, 8, O	No	No	Yes
LaGG-3 IT, 1943	0-110	No	0-100	0-120	3100	2 Stages	2200	C, 2, 4, 6, 8, O	No	No	No
LaGG-3, 1943 (66 series)	0-110	No	0-100	0-120	3500	2 Stages	2200	C, 2, 4, 6, 8, O	No	No	Yes
LaGG-3 RD, 1944	0-100	No	No	No		No		No	No	No	No
La-5, 1942	0-100	Yes	0-100	0-120	5000	2 Stages	3500	C, 2, 4, 6, 8, O	No	No	Yes
La-5F, 1943	0-100	Auto (At 100)	0-100	0-120	5000	2 Stages	3500	C, 2, 4, 6, 8, O	No	No	Yes
La-5FN, 1943	0-110	Auto (> 100)	0-100	0-120	5000	2 Stages	3500	C, 2, 4, 6, 8, O	No	No	Yes
La-7, 1944	0-110	Auto (> 100)	0-100	0-120	6000	2 Stages	3500	C, 2, 4, 6, 8, O	No	No	Yes
La-7 3xB-20, 1944	0-110	Auto (> 100)	0-100	0-120	6000	2 Stages	3500	C, 2, 4, 6, 8, O	No	No	Yes
La-7R, 1945	0-110	Auto (> 100)	0-100	0-120	6000	2 Stages	4500	C, 2, 4, 6, 8, O	No	No	Yes
MiG-3, 1940	0-110	No	0-100	0-120	6900	No		C, 2, 4, 6, 8, O	No	No	No
MiG-3ud, 1941	0-110	No	0-100	0-120	7000	No		C, 2, 4, 6, 8, O	No	No	No
MiG-3 2xUB, 1941	0-110	No	0-100	0-120	7000	No		C, 2, 4, 6, 8, O	No	No	No
MiG-3 2xShVAK, 1941	0-110	No	0-100	0-120	7000	No		C, 2, 4, 6, 8, O	No	No	No
MiG-3 AM-38, 1941	0-110	No	0-100	0-120	6800	No		C, 2, 4, 6, 8, O	No	No	No
MiG-3U, 1942	0-110	No	0-100	0-120	7100	No		C, 2, 4, 6, 8, O	No	No	No
MiG-9 (I-300), 1946	0-100	No	No	No		No		No	No	No	No
MiG-9FS, 1946	0-100	No	No	No		No		No	No	No	No
Mosquito FB.MK.VI, 1942	0-110	Yes	0-100	No		No		C, O	5 times	Yes	No
P.11c, 1939	0-110	No	No	0-120	4900	No		No	No	Yes	No
P-38J, 1943	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O, Auto	No	Yes	Yes
P-38L, 1944	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O, Auto	No	Yes	Yes
P-38L Late, 1944	0-110	Auto (> 100)	0-100	No		No		C, 2, 4, 6, 8, O, Auto	No	Yes	Yes
P-400, 1941	0-100	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
P-39D-1, 1941	0-100	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
P-39D-2, 1941	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
P-39N-1, 1942	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
P-39Q-1, 1944	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
P-39Q-10, 1944	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
Hawk 81A-2, 1941	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
P-40B, 1941	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
P-40C, 1941	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
Tomahawk Mk.IIa, 1941	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
Tomahawk Mk.IIb, 1941	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
P-40E, 1941	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
P-40E M-105 field mod.	0-110	No	0-100	0-120	5400	2 Stages	2000	C, 2, 4, 6, 8, O	No	No	No
P-40M, 1942	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
P-47D-10, 1943	0-110	Auto (> 100)	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
P-47D-22, 1943	0-110	Auto (> 100)	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
P-47D-27, 1944	0-110	Auto (> 100)	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
P-47D, 1944	0-110	Auto (> 100)	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
P-51B-NA, 1943	0-110	Auto (> 100)	0-100	No		No		C, 2, 4, 6, 8, O, Auto	No	No	Yes
P-51C-NT, 1943	0-110	Auto (> 100)	0-100	No		No		C, 2, 4, 6, 8, O, Auto	No	No	Yes
P-51D-5NT, 1944	0-110	Auto (> 100)	0-100	No		No		C, 2, 4, 6, 8, O, Auto	No	No	Yes



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Aircraft	Power	Boost	Prop Pitch	Mixture	Mixture Setting Alt	Supercharger	Alt S2-S3	Radiators Flaps	Fire Ext	Feather	Drop Tanks
P-51D-20NA, 1944	0-110	Auto (> 100)	0-100	No		No		C, 2, 4, 6, 8, O, Auto	No	No	Yes
Mustang MK.III, 1944	0-110	Auto (> 100)	0-100	No		No		C, 2, 4, 6, 8, O, Auto	No	No	Yes
P-63C-5, 1944	0-110	Auto (> 100)	0-100	No		No		C, 2, 4, 6, 8, O, Auto	No	No	Yes
Pe-2, 1940 (1 series)	0-110	No	0-100	0-120	4900	2 Stages	3100	C, 2, 4, 6, 8, O	No	No	No
Pe-2, 1942 (84 series)	0-110	No	0-100	0-120	4900	2 Stages	3100	C, 2, 4, 6, 8, O	No	No	No
Pe-2, 1942 (110 series)	0-110	No	0-100	0-120	4900	2 Stages	3100	C, 2, 4, 6, 8, O	No	No	No
Pe-2, 1944 (359 series)	0-110	No	0-100	0-120	4900	2 Stages	2800	C, 2, 4, 6, 8, O	No	No	No
Pe-3, 1941	0-110	No	0-100	0-120	4900	2 Stages	3100	C, 2, 4, 6, 8, O	No	No	No
Pe-3 bis, 1941	0-110	No	0-100	0-120	4900	2 Stages	3100	C, 2, 4, 6, 8, O	No	No	No
SBD-3, 1942	0-110	No	0-100	0-120	9000	2 Stages	3200	C, 2, 4, 6, 8, O	No	No	No
SBD-5, 1943	0-110	No	0-100	0-120	9100	2 Stages	3200	C, 2, 4, 6, 8, O	No	No	No
Seafire L.MK.III, 1943	0-100	Yes	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
Seafire F.MK.III, 1943	0-100	Yes	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
Spitfire MK.Vb, 1941	0-100	Yes	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
Spitfire MK.Vb (CW), 1943	0-100	Yes	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
Spitfire L.F.Mk.Vb, 1942	0-100	Yes	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
Spitfire L.F.Mk.Vb (CW)	0-100	Yes	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
Spitfire MK.Vc(2), 1941	0-100	Yes	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
Spitfire MK.Vc(4), 1941	0-100	Yes	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
Spitfire MK.VIII, 1943	0-100	Yes	0-100, Auto	No		No		No	No	No	Yes
Spitfire MK.VIII(CW)	0-100	Yes	0-100, Auto	No		No		No	No	No	Yes
Spitfire MK.IXc, 1943	0-100	Yes	0-100, Auto	No		No		No	No	No	Yes
Spitfire L.F.MK.IXc (CW)	0-100	Yes	0-100, Auto	No		No		No	No	No	Yes
Spitfire MK.IXe, 1944	0-100	Yes	0-100, Auto	No		No		No	No	No	Yes
Spitfire L.F.MK.IXe (CW)	0-100	Yes	0-100, Auto	No		No		No	No	No	Yes
Spitfire H.F.MK.IXe, 1944	0-100	Yes	0-100, Auto	No		No		No	No	No	Yes
Spitfire MK.IX 25Lbs, 1944	0-100	Yes	0-100, Auto	No		No		No	No	No	Yes
Tempest MK.V, 1944	0-110	Yes	0-100	No		2 Stages	3000	C, 2, 4, 6, 8, O	No	No	Yes
TB-3 4M-17, 1933	0-100	No	No	No		No		C, 2, 4, 6, 8, O	5 times	No	No
TB-3 4M-34R, 1933	0-110	No	No	No		No		C, 2, 4, 6, 8, O	5 times	No	No
TB-3 4M-34R (SPB)	0-110	No	No	No		No		C, 2, 4, 6, 8, O	5 times	No	No
Yak-1, 1941	0-110	No	0-100	0-120	4800	2 Stages	2000	C, 2, 4, 6, 8, O	No	No	No
Yak-1B, 1942	0-110	No	0-100	0-120	3600	2 Stages	2000	C, 2, 4, 6, 8, O	No	No	No
Yak-3, 1944	0-110	No	0-100	0-120	4500	2 Stages	2000	C, 2, 4, 6, 8, O, Auto	No	No	No
Yak-3P, 1945	0-110	No	0-100	0-120	4500	2 Stages	2000	C, 2, 4, 6, 8, O, Auto	No	No	No
Yak-3 VK-107, 1945	0-110	No	0-100	0-120	5000	2 Stages	2000	C, 2, 4, 6, 8, O	No	No	No
Yak-3R, 1944	0-100	No	0-100	0-120	4900	2 Stages	2000	C, 2, 4, 6, 8, O	No	No	No
Yak-7A, 1941	0-110	No	0-100	0-120	4800	2 Stages	2000	C, 2, 4, 6, 8, O	No	No	No
Yak-7B, 1941	0-110	No	0-100	0-120	4800	2 Stages	2000	C, 2, 4, 6, 8, O	No	No	No
Yak-7B, 1942	0-110	No	0-100	0-120	3600	2 Stages	2000	C, 2, 4, 6, 8, O	No	No	No
Yak-9, 1942	0-110	No	0-100	0-120	3600	2 Stages	2000	C, 2, 4, 6, 8, O	No	No	No
Yak-9B, 1944	0-110	No	0-100	0-120	3700	2 Stages	2000	C, 2, 4, 6, 8, O	No	No	No
Yak-9D, 1943	0-110	No	0-100	0-120	3700	2 Stages	2000	C, 2, 4, 6, 8, O	No	No	No
Yak-9M, 1944	0-110	No	0-100	0-120	3600	2 Stages	2000	C, 2, 4, 6, 8, O, Auto	No	No	No
Yak-9K, 1944	0-110	No	0-100	0-120	3700	2 Stages	2000	C, 2, 4, 6, 8, O	No	No	No
Yak-9T, 1943	0-110	No	0-100	0-120	3700	2 Stages	2000	C, 2, 4, 6, 8, O	No	No	No
Yak-9U, 1944	0-110	No	0-100	0-120	4800	2 Stages	2000	C, 2, 4, 6, 8, O, Auto	No	No	No



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Yak-9UT, 1945	0-110	No	0-100	0-120	4800	2 Stages	2000	C, 2, 4, 6, 8, O, Auto	No	No	No
Yak-15, 1946	0-100	No	No	No		No		No	No	No	No
YP-80, 1944	0-100	No	No	No		No		No	No	No	No



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Aircraft	Power	Boost	Prop Pitch	Mixture	Mixture Setting Alt	Supercharger	Alt S2-S3	Radiators Flaps	Fire Ext	Feather	Drop Tanks
Axis											
A6M2, 1940	0-110	No	0-100	0-120	6200	No		C, 2, 4, 6, 8, O	No	No	Yes
A6M2-21, 1941	0-110	No	0-100	0-120	6200	No		C, 2, 4, 6, 8, O	No	No	Yes
A6M2-N, 1942 (sea)	0-110	No	0-100	0-120	6200	No		C, 2, 4, 6, 8, O	No	No	No
A6M3, 1942	0-110	Yes	0-100	100, 120		2 Stages	3300	C, 2, 4, 6, 8, O	No	No	Yes
A6M5, 1943	0-110	Yes	0-100	100, 120		2 Stages	3300	C, 2, 4, 6, 8, O	No	No	Yes
A6M5a, 1944	0-110	Yes	0-100	100, 120		2 Stages	3300	C, 2, 4, 6, 8, O	No	No	Yes
A6M5b, 1944	0-110	Yes	0-100	100, 120		2 Stages	3300	C, 2, 4, 6, 8, O	No	No	Yes
A6M5c, 1944	0-110	Yes	0-100	100, 120		2 Stages	3300	C, 2, 4, 6, 8, O	No	No	Yes
A6M7-62, 1945	0-110	Yes	0-100	100, 120		2 Stages	3300	C, 2, 4, 6, 8, O	No	No	Yes
A6M7-63, 1945	0-110	Yes	0-100	100, 120		2 Stages	3300	C, 2, 4, 6, 8, O	No	No	Yes
Ar-234B-2/lpr, 1944	0-100	No	No	No		No		No	No	No	Yes
B-239, 1939	0-110	No	0-100	0-120	9400	2 Stages	3000	C, 2, 4, 6, 8, O	No	No	No
B-534-IV, 1937	0-100	No	No	0-120	6400	No		C, 2, 4, 6, 8, O	1 time	No	No
Bf-109E-4, 1940	0-110	No	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	No
Bf-109E-4/B, 1940	0-110	No	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	No
Bf-109E-7/B, 1941	0-110	No	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	Yes
Bf-109E-7/Z, 1941	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	No
Bf-109F-2, 1941	0-110	No	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	No
Bf-109F-4, 1941	0-110	No	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	No
Bf-109G-2, 1942	0-110	No	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	Yes
Bf-109G-6, 1943	0-110	No	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	Yes
Bf-109G-6 Late, 1943	0-110	No	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	Yes
Bf-109G-6/AS, 1944	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	Yes
Bf-109G-10, 1944	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	No
Bf-109G-14, 1944	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	Yes
Bf-109K-4, 1944	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	No
Bf-109K-4 C3, 1945	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	Yes
Bf-109Z, 1944	0-110	No	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	No
Bf-110G-2, 1942	0-110	No	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	Yes	Yes
D.XXI Serie 3, 1939	0-110	No	No	0-120	5100	No		No	3 times	No	No
D.XXI Serie 3 Late, 1941	0-110	No	No	0-120	5100	No		No	3 times	No	No
D3A1, 1939	0-110	No	0-100	0-120	6250	No		C, 2, 4, 6, 8, O	No	No	No
Do-335A-0, 1944	0-110	No	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	5 times	Yes	No
Do-335V-13, 1946	0-110	No	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	5 times	Yes	No
FW-190 A-4, 1942	0-110	No	0-100, Auto	No		No		C, 2, 4, 6, 8, O	No	No	Yes
FW-190 A-5, 1943	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O	No	No	Yes
FW-190 A-5 1.65 Ata, 1943	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O	No	No	Yes
FW-190 A-6, 1943	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O	No	No	Yes
FW-190 A-8, 1944	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O	No	No	No
FW-190 A-9, 1944	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O	No	No	No
FW-190 D-9, 1944	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	No
FW-190 D-9, 1945	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	No
Ta-152H-1, 1944	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	No
Ta-152C, 1944	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O, Auto	No	No	No
FW-190 F-8, 1944	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O	No	No	No



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Aircraft	Power	Boost	Prop Pitch	Mixture	Mixture Setting Alt	Supercharger	Alt S2-S3	Radiators Flaps	Fire Ext	Feather	Drop Tanks
FW-190 A-8 (Mistel), 1944	0-110	Yes	0-100, Auto	No		No		C, 2, 4, 6, 8, O	No	No	No
Fiat CR.42, 1938	0-110	No	0-100	0-120	4600	No		C, 2, 4, 6, 8, O	No	No	No
Fiat G.50, 1938	0-110	No	0-100	0-120	4650	No		C, 2, 4, 6, 8, O	5 times	No	No
G4M1-11, 1941	0-110	No	0-100	0-120	6700	2 Stages	3000	C, 2, 4, 6, 8, O	No	Yes	No
Go-229 A-1, 1945	0-100	No	No	No		No		No	No	No	No
He-111H-2, 1941	0-110	No	0-100	0-120	4800	2 Stages	2800	C, 2, 4, 6, 8, O	No	Yes	No
He-111H-6, 1941	0-110	No	0-100	0-120	4700	2 Stages	2800	C, 2, 4, 6, 8, O	No	Yes	No
He-162 A-2	0-100	No	No	No		No		No	No	No	No
He-162C, 1946	0-110	No	No	No		No		No	No	No	No
He-162D, 1946	0-110	No	No	No		No		No	No	No	No
Heinkel Lerche III B-2, 1945	0-110	No	0-100	No		No		No	No	Yes	No
Hurricane Mk.I, 1938	0-110	No	0-100	100, 120		No		C, 2, 4, 6, 8, O	No	No	No
I.A.R 80, 1940	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
I.A.R 81a, 1940	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
I.A.R 81c, 1940	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
J2M3, 1944	0-110	Yes	0-100	0-120	6500	2 Stages	3000	C, 2, 4, 6, 8, O	No	No	No
J2M5, 1944	0-110	Yes	0-100	0-120	6500	3 Stages	3000 - 5500	C, 2, 4, 6, 8, O	No	No	No
J8A, 1937	0-110	No	No	0-120	4900	No		No	No	Yes	No
Ju-87B-2, 1941	0-110	No	0-100	No		2 Stages	2800	C, 2, 4, 6, 8, O	No	Yes	No
Ju-87D-3, 1942	0-110	No	0-100	No		2 Stages	2800	C, 2, 4, 6, 8, O	No	Yes	No
Ju-87D-5, 1942	0-110	No	0-100	No		2 Stages	2800	C, 2, 4, 6, 8, O	No	Yes	No
Ju-87G-1, 1943	0-110	No	0-100	No		2 Stages	2800	C, 2, 4, 6, 8, O	No	Yes	No
Ju-88A-4, 1941	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	Yes	No
Ki-27 Ko, 1938	0-110	No	No	0-120	6000	No		C, 2, 4, 6, 8, O	No	No	No
Ki-27 Otsu, 1938	0-110	No	No	0-120	6000	No		C, 2, 4, 6, 8, O	No	No	No
Ki-43-Ia, 1941	0-110	No	0-100	0-120	6400	No		C, 2, 4, 6, 8, O	No	No	No
Ki-43-Ib, 1941	0-110	No	0-100	0-120	6400	No		C, 2, 4, 6, 8, O	No	No	No
Ki-43-Ic, 1941	0-110	No	0-100	0-120	6400	No		C, 2, 4, 6, 8, O	No	No	No
Ki-43-II, 1942	0-110	No	0-100	0-120	6400	2 Stages	3300	C, 2, 4, 6, 8, O	No	No	No
Ki-43-II, Kai, 1943	0-110	No	0-100	0-120	6400	2 Stages	3300	C, 2, 4, 6, 8, O	No	No	No
Ki-61-I Ko, 1942	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
Ki-61-I Hei, 1944	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	4 times	No	Yes
Ki-61-I Otsu, 1943	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	Yes
Ki-84-Ia, 1944	0-110	Yes	0-100	100, 120		2 Stages	2500	C, 2, 4, 6, 8, O	No	No	Yes
Ki-84-Ib, 1944	0-110	Yes	0-100	100, 120		2 Stages	2500	C, 2, 4, 6, 8, O	No	No	Yes
Ki-84-Ic, 1945	0-110	Yes	0-100	100, 120		2 Stages	2500	C, 2, 4, 6, 8, O	No	No	Yes
Ki-100 Ko, 1945	0-110	Yes	0-100	0-120	6500	2 Stages	3500	C, 2, 4, 6, 8, O	No	No	No
MC.200 Serie 3, 1940	0-110	No	0-100	0-120	4600	No		C, 2, 4, 6, 8, O	5 times	No	No
MC.200 Serie 7, 1941	0-110	No	0-100	0-120	4600	No		C, 2, 4, 6, 8, O	5 times	No	No
MC.200 Serie 7 FB, 1941	0-110	No	0-100	0-120	4600	No		C, 2, 4, 6, 8, O	5 times	No	No
MC.202 Serie III, 1941	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
MC.202 Serie VII, 1942	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
MC.202 Serie XII, 1943	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	No	No
MC.205 V Serie I, 1943	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	Yes	No
MC.205 V Serie III, 1943	0-110	No	0-100	No		No		C, 2, 4, 6, 8, O	No	Yes	No
Me-163B-1a, 1944	0-110	No	No	No		No		No	No	No	No
Me-262A-1a, 1944	0-100	No	No	No		No		No	No	No	No



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Aircraft	Power	Boost	Prop Pitch	Mixture	Mixture Setting Alt	Supercharger	Alt S2-S3	Radiators Flaps	Fire Ext	Feather	Drop Tanks
Me-262A-1a/U4, 1945	0-100	No	No	No		No		No	No	No	No
Me-262A-2a, 1944	0-100	No	No	No		No		No	No	No	No
Me-262HG-II, 1946	0-110	No	No	No		No		No	No	No	No
N1K2-Ja, 1944	0-110	Yes	No	0-120	6400	2 Stages	4000	C, 2, 4, 6, 8, O	No	No	Yes
SM.79, 1936	0-110	No	0-50/50-100	0-120	5300	No		C, 2, 4, 6, 8, O	3 times	No	No
Ta-183, 1946	0-110	No	No	No		No		No	No	No	No

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Aircraft	E Trim	A Trim	R Trim	Flaps	Gear	Airbrake	Wheel Brakes	Lock Tail	Wing Fold	Hook	O/C Canopy	Seat	Bombsight	Bombsight Auto	Level Stab	Gunsight - Toggle - Yes / No	Reticle Dim	Cockpit Lights	Nav Lights	Land Lights	Mirror
Allied																					
A-20C, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	Yes	Yes	Yes	Ring	No	Yes	Yes	Yes	No
A-20G, 1943	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
B-25J-1NA, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Reflector	No	Yes	Yes	No	No
Beaufighter MK21, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
BI-1, 1942	No	No	No	R-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	No	No	No
BI-6, 1942	No	No	No	R-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	No	No	No
Buffalo MK.I	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
F2A-2, 1940	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	Yes	Yes	No	No	No	No	Telescope	No	Yes	Yes	No	No
F4F-3, 1941	Yes	Yes	Yes	R-C-T/O-L-Auto	Manual	No	Yes	Yes	No	Yes	Yes	Yes	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
F4F-4, 1942	Yes	Yes	Yes	R-C-T/O-L-Auto	Manual	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
FM-2, 1943	Yes	Yes	Yes	R-C-T/O-L-Auto	Manual	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
F4U-1A, 1943	Yes	Yes	Yes	R-C-T/O-L	Auto	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Reflector	No	Yes	Yes	No	Yes
F4U-1C, 1945	Yes	Yes	Yes	R-C-T/O-L	Auto	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Reflector	No	Yes	Yes	No	Yes
F4U-1D, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Reflector	No	Yes	Yes	No	Yes
Corsair MK.I, 1943	Yes	Yes	Yes	R-C-T/O-L	Auto	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Reflector	No	Yes	Yes	No	Yes
Corsair MK.II, 1943	Yes	Yes	Yes	R-C-T/O-L	Auto	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Reflector	No	Yes	Yes	No	Yes
Corsair MK.IV, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Reflector	No	Yes	Yes	No	No
F6F-3 Late, 1943	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Reflector	No	Yes	Yes	No	No
F6F-5, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Reflector	No	Yes	Yes	No	No
Hurricane Mk.IIb, 1940	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
Hurricane Mk.IIc, 1941	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
Hurricane Mk.II field mod.	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
I-153 M-62, 1939	No	No	No	No	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
I-153P, 1939	No	No	No	No	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
I-16 Type 5, 1935	No	No	No	R-L	Manual	No	Yes	No	No	No	Yes	Yes	No	No	No	Telescope	Yes	Yes	Yes	No	No
I-16 Type 5 (SPB), 1938	No	No	No	R-L	Manual	No	Yes	No	No	No	Yes	Yes	No	No	No	Telescope	Yes	Yes	Yes	No	No
I-16 Type 5 (skis), 1935	No	No	No	R-L	No	No	No	No	No	No	Yes	Yes	No	No	No	Reflector	Yes	Yes	Yes	No	No
I-16 Type 6, 1937	No	No	No	R-L	Manual	No	Yes	No	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
I-16 Type 6 (skis), 1937	No	No	No	R-L	No	No	No	No	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
I-16 Type 18, 1939	No	No	No	R-L	Manual	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	No	No	No
I-16 Type 24, 1939	No	No	No	R-L	Manual	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	No	No	No
I-16 Type 24 (SPB), 1939	No	No	No	R-L	Manual	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	No	No	No
I-185 M-71, 1942	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
I-185 M-82A, 1942	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
I-250, 1946	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	No	No	No	No	Reflector	No	Yes	Yes	No	No
IL-2, 1941 (1 series)	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
IL-2, 1941 (2 series)	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
IL-2, 1941 (3 series)	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
IL-2, 1941 field mod.	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
IL-2I, 1943	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Engraved	No	Yes	Yes	Yes	No
IL-2M, 1942 (first series)	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Engraved	No	Yes	Yes	Yes	No
IL-2M, 1942 (later series)	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Engraved	No	Yes	Yes	Yes	No
IL-2T, 1943	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Engraved	No	Yes	Yes	Yes	No
IL-2 Type 3, 1943	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Engraved	No	Yes	Yes	Yes	No
IL-2 Type 3M, 1943	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Engraved	No	Yes	Yes	Yes	No
IL-10	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
LaGG-3, 1941 (4 series)	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
LaGG-3, 1942 (29 series)	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
LaGG-3, 1942 (35 series)	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
LaGG-3 IT, 1943	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
LaGG-3, 1943 (66 series)	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
LaGG-3 RD, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
La-5, 1942	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
La-5F, 1943	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
La-5FN, 1943	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
La-7, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
La-7 3xB-20, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
La-7R, 1945	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
MiG-3, 1940	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
MiG-3ud, 1941	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
MiG-3 2xUB, 1941	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
MiG-3 2xShvAK, 1941	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No

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This list is based on the IL-2 Functions tables written by Shmulik Hen (AKA 101Hedgehog) and adapted by Corsican Corsair.

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Aircraft	E Trim	A Trim	R Trim	Flaps	Gear	Airbrake	Wheel Brakes	Lock Tail	Wing Fold	Hook	O/C Canopy	Seat	Bombsight	Bombsight Auto	Level Stab	Gunsight - Toggle - Yes / No	Reticule Dim	Cockpit Lights	Nav Lights	Land Lights	Mirror
MiG-3 AM-38, 1941	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
MiG-3U, 1942	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
MiG-9 (I-300), 1946	Yes	No	No	R-C-T/O-L	Auto	No	Yes	No	No	No	Yes	No	No	No	No	Reflector	No	Yes	Yes	No	No
MiG-9FS, 1946	Yes	No	No	R-C-T/O-L	Auto	No	Yes	No	No	No	Yes	No	No	No	No	Reflector	No	Yes	Yes	No	No
Mosquito FB.MK.VI, 1942	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
P.11c, 1939	Yes	Yes	Yes	No	No	No	Yes	Yes	No	No	No	No	No	No	No	Ring	No	No	No	No	No
P-38J, 1943	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
P-38L, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	Yes	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
P-38L Late, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	Yes	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
P-400, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
P-39D-1, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
P-39D-2, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
P-39N-1, 1942	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
P-39Q-1, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
P-39Q-10, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Hawk 81A-2, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
P-40B, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	No	No	No	No	Reflector	No	Yes	Yes	No	No
P-40C, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Tomahawk Mk.IIa, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	No	No	No	No	Reflector	No	Yes	Yes	No	No
Tomahawk Mk.IIb, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
P-40E, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
P-40E M-105 field mod.	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
P-40M, 1942	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
P-47D-10, 1943	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
P-47D-22, 1943	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
P-47D-27, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
P-47D, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
P-51B-NA, 1943	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
P-51C-NT, 1943	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
P-51D-5NT, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
P-51D-20NA, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Gyro	No	Yes	Yes	Yes	No
Mustang MK.III, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
P-63C-5, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Pe-2, 1940 (1 series)	Yes	Yes	Yes	R-C-T/O-L	Auto	Yes	Yes	Yes	No	No	No	No	Yes	No	Yes	Reflector	No	Yes	No	No	No
Pe-2, 1942 (84 series)	Yes	Yes	Yes	R-C-T/O-L	Auto	Yes	Yes	Yes	No	No	No	No	Yes	No	Yes	Reflector	No	Yes	No	No	No
Pe-2, 1942 (110 series)	Yes	Yes	Yes	R-C-T/O-L	Auto	Yes	Yes	Yes	No	No	No	No	Yes	No	Yes	Reflector	No	Yes	No	No	No
Pe-2, 1944 (359 series)	Yes	Yes	Yes	R-C-T/O-L	Auto	Yes	Yes	Yes	No	No	No	No	Yes	No	Yes	Reflector	No	Yes	No	No	No
Pe-3, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	No	No	No	No
Pe-3 bis, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	No	No	No
SBD-3, 1942	Yes	Yes	Yes	R-C-T/O-L	Auto	Yes	Yes	Yes	No	Yes	Yes	No	No	No	No	Telescope	No	Yes	Yes	No	No
SBD-5, 1943	Yes	Yes	Yes	R-C-T/O-L	Auto	Yes	Yes	Yes	No	Yes	Yes	No	No	No	No	Reflector	No	Yes	Yes	No	No
Seafire L.MK.III, 1943	Yes	No	Yes	R-L	Auto	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Seafire F.MK.III, 1943	Yes	No	Yes	R-L	Auto	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Spitfire MK.Vb, 1941	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Spitfire MK.Vb (CW), 1943	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Spitfire L.F.Mk.Vb, 1942	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Spitfire L.F.Mk.Vb (CW)	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Spitfire MK.Vc(2), 1941	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Spitfire MK.Vc(4), 1941	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Spitfire MK.VIII, 1943	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Spitfire MK.VIII(CW)	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Spitfire MK.IXc, 1943	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Spitfire L.F.MK.IXc (CW)	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Spitfire MK.IXe, 1944	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Spitfire L.F.MK.IXe (CW)	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Spitfire H.F.MK.IXe, 1944	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Spitfire MK.IX 25Lbs, 1944	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
Tempest MK.V, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
TB-3 4M-17, 1933	Yes	No	No	No	No	No	Yes	No	No	No	No	No	Yes	No	Yes	None	No	Yes	Yes	Yes	No
TB-3 4M-34R, 1933	Yes	No	No	No	No	No	Yes	No	No	No	No	No	Yes	No	Yes	None	No	Yes	Yes	Yes	No
TB-3 4M-34R (SPB)	Yes	No	No	No	No	No	Yes	No	No	No	No	No	Yes	No	Yes	None	No	Yes	Yes	Yes	No
Yak-1, 1941	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-1B, 1942	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No

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Aircraft	E Trim	A Trim	R Trim	Flaps	Gear	Airbrake	Wheel Brakes	Lock Tail	Wing Fold	Hook	O/C Canopy	Seat	Bombsight	Bombsight Auto	Level Stab	Gunsight - Toggle - Yes / No	Reticle Dim	Cockpit Lights	Nav Lights	Land Lights	Mirror
Yak-3, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-3P, 1945	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-3 VK-107, 1945	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-3R, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-7A, 1941	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-7B, 1941	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-7B, 1942	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-9, 1942	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-9B, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-9D, 1943	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-9M, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-9K, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-9T, 1943	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-9U, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-9UT, 1945	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Yak-15, 1946	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
YP-80, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Gyro	No	Yes	Yes	No	No



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Aircraft	E Trim	A Trim	R Trim	Flaps	Gear	Airbrake	Wheel Brakes	Lock Tail	Wing Fold	Hook	O/C Canopy	Seat	Bombsight	Bombsight Auto	Level Stab	Gunsight - Toggle - Yes / No	Reticle Dim	Cockpit Lights	Nav Lights	Land Lights	Mirror
Axis																					
A6M2, 1940	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	Yes	No	No	No	Reflector	Yes	Yes	Yes	No	No
A6M2-21, 1941	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Reflector	Yes	Yes	Yes	No	No
A6M2-N, 1942 (sea)	Yes	No	No	R-C-T/O-L	No	No	No	No	No	No	Yes	Yes	No	No	No	Reflector	Yes	Yes	Yes	No	No
A6M3, 1942	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	Yes	No	No	No	Reflector	Yes	Yes	Yes	No	No
A6M5, 1943	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	Yes	Yes	Yes	No	No	No	Reflector	Yes	Yes	Yes	No	No
A6M5a, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	Yes	Yes	Yes	No	No	No	Reflector	Yes	Yes	Yes	No	No
A6M5b, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	Yes	Yes	Yes	No	No	No	Reflector	Yes	Yes	Yes	No	No
A6M5c, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	Yes	No	No	No	Reflector	Yes	Yes	Yes	No	No
A6M7-62, 1945	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	Yes	No	No	No	Reflector	Yes	Yes	Yes	No	No
A6M7-63, 1945	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	Yes	No	No	No	Reflector	Yes	Yes	Yes	No	No
Ar-234B-2/pr, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	Yes	Yes	Yes	Periscope	No	Yes	Yes	No	No
B-239, 1939	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
B-534-IV, 1937	Yes	No	No	No	No	No	Yes	No	No	No	Yes	Yes	No	No	No	Ring	No	Yes	Yes	No	No
Bf-109E-4, 1940	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Bf-109E-4/B, 1940	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Bf-109E-7/B, 1941	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Bf-109E-7/Z, 1941	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Bf-109F-2, 1941	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Bf-109F-4, 1941	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Bf-109G-2, 1942	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Bf-109G-6, 1943	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Bf-109G-6 Late, 1943	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Bf-109G-6/AS, 1944	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Bf-109G-10, 1944	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Bf-109G-14, 1944	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Bf-109K-4, 1944	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Bf-109K-4 C3, 1945	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Bf-109Z, 1944	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Bf-110G-2, 1942	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	Yes	No
D.XXI Serie 3, 1937	Yes	No	No	R-C-T/O-L	No	No	Yes	Yes	No	No	Yes	Yes	No	No	No	Tel. or Ref.	Yes	Yes	Yes	Yes	No
D.XXI Serie 3 Late, 1941	Yes	No	No	R-C-T/O-L	No	No	Yes	Yes	No	No	Yes	Yes	No	No	No	Tel. or Ref.	Yes	Yes	Yes	Yes	No
D3A1, 1939	Yes	Yes	Yes	R-C-T/O-L	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Telescope	Yes	Yes	Yes	Yes	No
Do-335A-0, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	Yes	Yes	Reflector	Yes	Yes	Yes	Yes	No
Do-335V-13, 1946	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	Yes	Yes	Reflector	Yes	Yes	Yes	Yes	No
FW-190 A-4, 1942	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
FW-190 A-5, 1943	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
FW-190 A-5 1.65 Ata, 1943	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
FW-190 A-6, 1943	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
FW-190 A-8, 1944	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
FW-190 A-9, 1944	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
FW-190 D-9, 1944	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
FW-190 D-9, 1945	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Ta-152H-1, 1944	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
Ta-152C, 1944	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
FW-190 F-8, 1944	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
FW-190 A-8 (Mistel), 1944	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Fiat CR.42, 1938	Yes	Yes	Yes	No	No	No	Yes	No	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
Fiat G.50, 1938	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
G4M1-11, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	Yes	Yes	Yes	None	No	Yes	Yes	No	No
Go-229 A-1, 1945	Yes	Yes	No	R-C-T/O-L	Auto	Yes	Yes	No	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
He-111H-2, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	Yes	Yes	Yes	None	No	Yes	Yes	Yes	No
He-111H-6, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	Yes	Yes	Yes	None	No	Yes	Yes	Yes	No
He-162 A-2	Yes	No	No	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	Yes	Yes	No	No	No
He-162C, 1946	Yes	No	No	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	Yes	Yes	No	No	No
He-162D, 1946	Yes	No	No	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	Yes	Yes	No	No	No
Heinkel Lerche III B-2, 1945	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	Reflector	No	No	No	Yes	No
Hurricane Mk.I, 1938	Yes	No	Yes	R-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	Yes	Yes
I.A.R 80, 1940	Yes	No	No	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Ring	No	Yes	Yes	No	Yes
I.A.R 81a, 1940	Yes	No	No	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	Yes
I.A.R 81c, 1940	Yes	No	No	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	Yes
J2M3, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
J2M5, 1944	Yes	No	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	No	Yes	No	No

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Engine Controls (Axis)



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AIRCRAFT & OPERATIONAL CONTROLS

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Aircraft	E Trim	A Trim	R Trim	Flaps	Gear	Airbrake	Wheel Brakes	Lock Tail	Wing Fold	Hook	O/C Canopy	Seat	Bombsight	Bombsight Auto	Level Stab	Gunsight - Toggle - Yes / No	Reticle Dim	Cockpit Lights	Nav Lights	Land Lights	Mirror
JBA, 1937	Yes	Yes	Yes	R-L	No	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
Ju-87B-2, 1941	Yes	Yes	Yes	R-C-T/O-L	No	Yes	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	Yes	No
Ju-87D-3, 1942	Yes	Yes	Yes	R-C-T/O-L	No	Yes	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	Yes	No
Ju-87D-5, 1942	Yes	Yes	Yes	R-C-T/O-L	No	Yes	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	Yes	No
Ju-87G-1, 1943	Yes	Yes	Yes	R-C-T/O-L	No	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	Yes	No
Ju-88A-4, 1941	Yes	Yes	Yes	R-C-T/O-L-Auto	Auto	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Reflector	Yes	Yes	Yes	Yes	No
Ki-27 Ko, 1938	Yes	No	No	R-C-T/O-L	No	No	Yes	No	No	No	Yes	No	No	No	No	Telescope	Yes	Yes	Yes	No	No
Ki-27 Otsu, 1938	Yes	No	No	R-C-T/O-L	No	No	Yes	No	No	No	Yes	No	No	No	No	Telescope	Yes	Yes	Yes	No	Yes
Ki-43-Ia, 1941	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	No	No	No	No	Telescope	Yes	Yes	Yes	No	No
Ki-43-Ib, 1941	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	No	No	No	No	Telescope	Yes	Yes	Yes	No	No
Ki-43-Ic, 1941	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	No	No	No	No	Telescope	Yes	Yes	Yes	No	No
Ki-43-II, 1942	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	No	No	No	No	Reflector	No	No	Yes	No	No
Ki-43-II, Kai, 1943	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	No	No	No	No	Reflector	No	No	Yes	No	No
Ki-61-I Ko, 1942	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Ki-61-I Hei, 1944	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Ki-61-I Otsu, 1943	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	No	No	No	No	Reflector	No	Yes	Yes	Yes	No
Ki-84-Ia, 1944	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	Yes	No
Ki-84-Ib, 1944	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	Yes	No
Ki-84-Ic, 1945	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	Yes	No
Ki-100 Ko, 1945	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	Yes	No	No	No	No	Reflector	Yes	Yes	Yes	Yes	No
MC.200 Serie 3, 1940	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
MC.200 Serie 7, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
MC.200 Serie 7 FB, 1941	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	No
MC.202 Serie III, 1941	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
MC.202 Serie VII, 1942	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
MC.202 Serie XII, 1943	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	No	Yes	Yes	No	Yes
MC.205 V Serie I, 1943	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	Yes
MC.205 V Serie III, 1943	Yes	No	No	R-C-T/O-L	Auto	No	Yes	Yes	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	Yes
Me-163B-1a, 1944	Yes	No	No	R-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	Yes	Yes	No	No	No
Me-262A-1a, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Me-262A-1a/U4, 1945	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Me-262A-2a, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
Me-262HG-II, 1946	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No
N1K2-Ja, 1944	Yes	Yes	Yes	R-C-T/O-L	Auto	No	Yes	No	Yes	No	Yes	No	No	No	No	Reflector	No	No	Yes	No	No
SM.79, 1936	Yes	No	Yes	Auto	Auto	No	Yes	Yes	No	No	Gunners	No	Bomb / Torp.	No	Yes	Ring	Yes	Yes	Yes	Yes	No
Ta-183, 1946	No	No	No	R-C-T/O-L	Auto	No	Yes	No	No	No	No	No	No	No	No	Reflector	Yes	Yes	Yes	No	No

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[Engine Controls \(Axis\)](#)

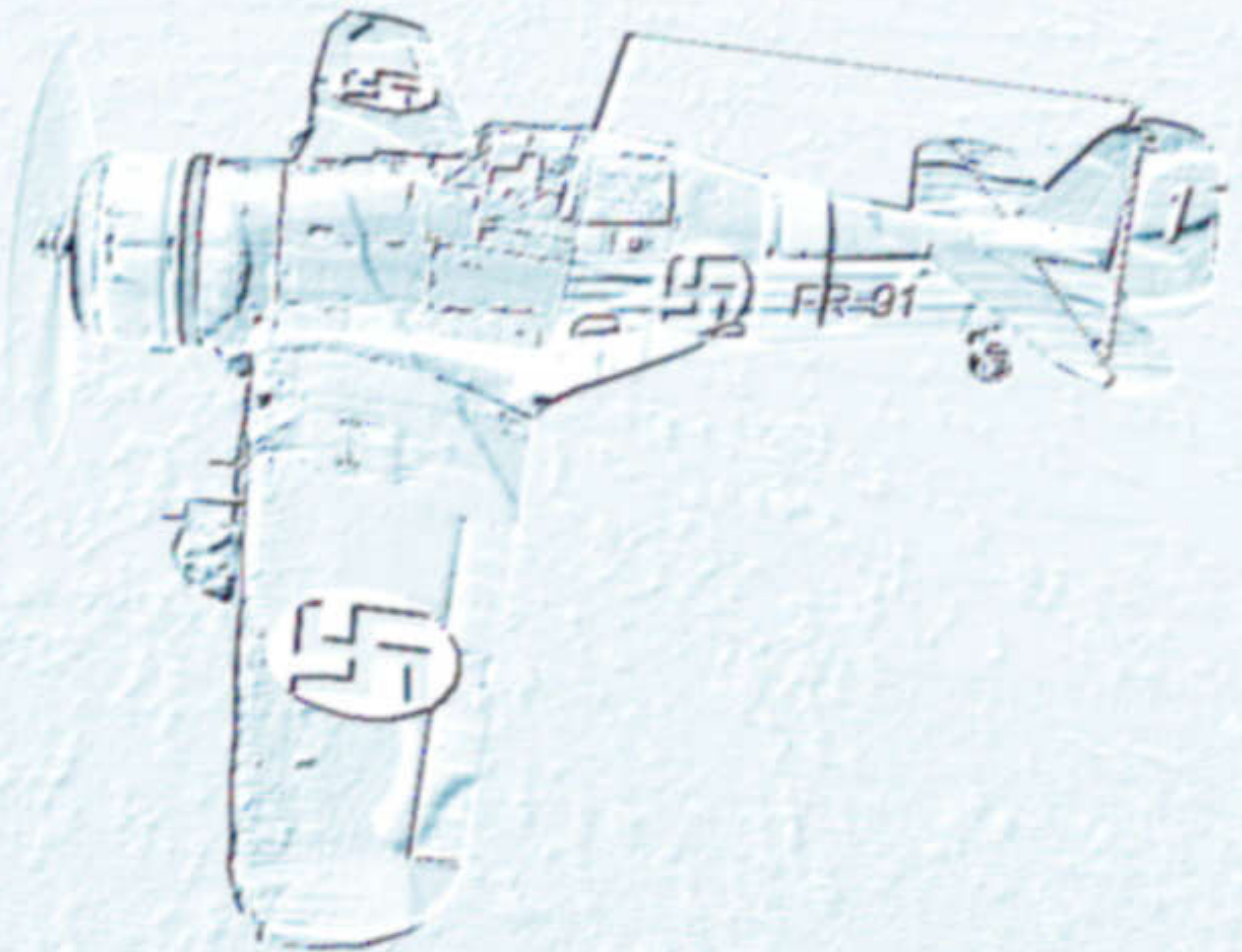


Click on the war flag to go in the corresponding page.



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FINLAND



NETHERLANDS





- 1. Goertz gunsight
- 2. Airspeed indicator
- 3. Turn and bank indicator
- 4. Variometer
- 5. Fuel pressure gage
- 6. Oil pressure gage
- 7. Oil temperature gage
- 8. Altimeter
- 9. Pitch inclinometer
- 10. Cylinder head temperature gage
- 11. Brakes triple pressure gage: left & right brakes (top)
(not active with skis) storage cylinder (bottom)
- 12. Manifold pressure gage
- 13. Tachometer
- 14. Fuel gage
- 15. Directional gyro (upper half) / Magnetic compass (lower half)
- 16. Mixture lever
- 17. Throttle
- 18. Engine ignition switch
- 19. Oxygen pressure gage
- 20. Oxygen quantity gage

- 21. Clock
- 22. Position lights switch
- 23. Cockpit light switch
- 24. Landing light switch
- 25. Gear brakes lever
- 26. Flaps position indicator
- 27. Elevator trim indicator
- 28. Elevator trim wheel
- 29. Flaps handpump
- 30. Flaps up-down lever
- 31. Tail wheel lock lever

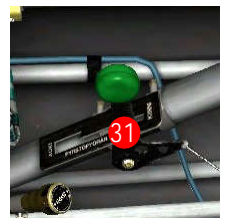
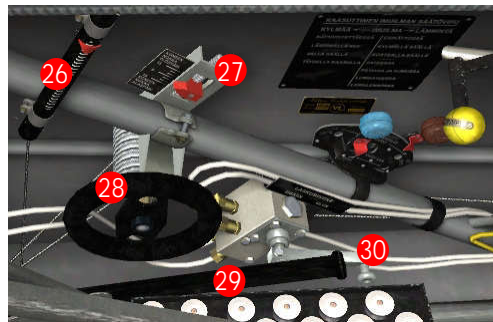


D.XXI - Dutch (<http://www.nederlandseluchtvaart.nl/fotoboek/>)





- 1. Revi 3a gunsight
- 2. Airspeed indicator
- 3. Turn and bank indicator
- 4. Variometer
- 5. Fuel pressure gage
- 6. Oil pressure gage
- 7. Oil temperature gage
- 8. Altimeter
- 9. Pitch inclinometer
- 10. Cylinder head temperature gage
- 11. Brakes triple pressure gage: left & right brakes (top)
(not active with skis) storage cylinder (bottom)
- 12. Manifold pressure gage
- 13. Tachometer
- 14. Fuel gage
- 15. Directional gyro (upper half) / Magnetic compass (lower half)
- 16. Mixture lever
- 17. Throttle
- 18. Engine ignition switch
- 19. Oxygen pressure gage
- 20. Oxygen quantity gage
- 21. Clock
- 22. Position lights switch
- 23. Cockpit light switch
- 24. Landing light switch
- 25. Gear brakes lever
- 26. Flaps position indicator
- 27. Elevator trim indicator
- 28. Elevator trim wheel
- 29. Flaps handpump
- 30. Flaps up-down lever
- 31. Tail wheel lock lever



D.XXI - Finnish (<http://www.sci.fi/~faif/fin-2.htm>)





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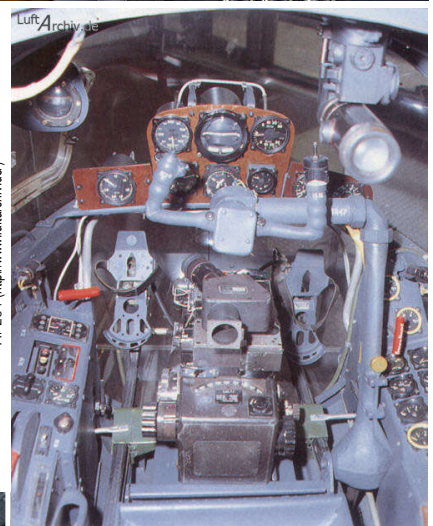
GERMANY



Arado Ar 234 B-2 «Blitz»



1. Magnetic compass
2. Airspeed indicator
3. Artificial horizon / turn and bank indicator
4. Variometer
5. Exhaust pitot pressure gage (left & right engine)
6. Stall warning light
7. Altimeter
8. Repeater compass
9. Left engine tachometer
10. Right engine tachometer
11. Landing gear & flaps actuators and indicators
12. Instrument light switch
13. Clock
14. Left engine gas pressure gage
15. Right engine gas pressure gage
16. Left engine oil pressure gage
17. Right engine oil pressure gage
18. Left engine fuel injection pressure gage
19. Right engine fuel injection pressure gage
20. Left engine gas temperature gage
21. Right engine gas temperature gage
22. Fuel gage (front)
23. Fuel gage (rear)
24. Low fuel warning light (front)
25. Low fuel warning light (rear)
26. Left engine throttle
27. Right engine throttle
28. Hydraulic pressure gage
29. Bombsight controls
30. Elevator trim lever & indicator
31. Rudder trim wheel & indicator
32. Outside temperature gage



Ar 234 (<http://www.luftarchiv.de/>)

Ar 234 (http://www.clubhyper.com/reference/images/ar234cockpitbs_1.jpg)



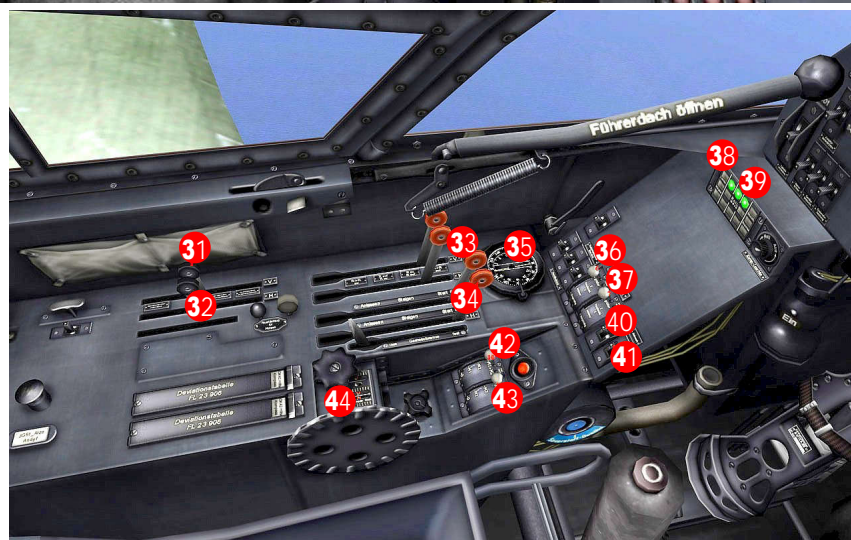
copyright Brian M. Silcox



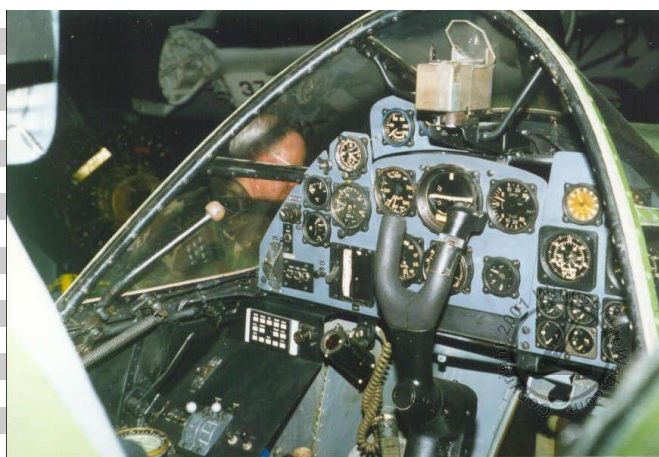
Dornier Do 335 A-0 «Pfeil»



1. Clock
2. Outside temperature gage
3. Radio altimeter
4. Airspeed indicator
5. Stall warning light
6. Artificial horizon / turn and bank indicator
7. Variometer
8. Front propeller pitch indicator
9. Rear propeller pitch indicator
10. Front engine manifold pressure gage & tachometer
11. Rear engine manifold pressure gage & tachometer
12. Low fuel warning light
13. Left nose cannon warning light
14. Propeller cannon warning light
15. Right nose cannon warning light
16. Ammunition counter - left nose cannon
17. Ammunition counter - propeller cannon
18. Ammunition counter - right nose cannon
19. Altimeter
20. Repeater compass
21. Front engine coolant temperature gage
22. Front engine oil temperature gage
23. Rear engine coolant temperature gage
24. Rear engine oil temperature gage
25. Front engine fuel pressure gage
26. Front engine oil pressure gage
27. Rear engine fuel pressure gage
28. Rear engine oil pressure gage
29. Fuel gage
30. Engines fire warning lights
31. Front engine radiator lever
32. Rear engine radiator lever
33. Front engine throttle
34. Rear engine throttle
35. Magnetic compass
36. Front propeller pitch lever
37. Rear propeller pitch lever
38. Flaps position indicator
39. Landing gear position indicator
40. Flaps switch
41. Landing gear switch
42. Front engine ignition switch



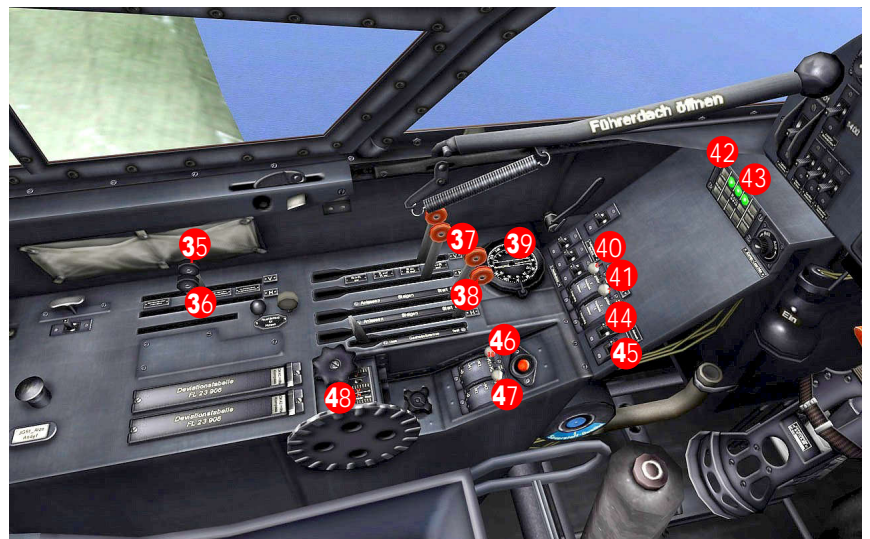
43. Rear engine ignition switch
44. Elevator trim wheel



Dornier Do 335 V-13 «Pfeil»



1. Clock
2. Outside temperature gage
3. Radio altimeter
4. Airspeed indicator
5. Stall warning light
6. Artificial horizon / turn and bank indicator
7. Variometer
8. Front propeller pitch indicator
9. Rear propeller pitch indicator
10. Front engine manifold pressure gage & tachometer
11. Rear engine manifold pressure gage & tachometer
12. Low fuel warning light
13. Left wing cannon warning light
14. Left nose cannon warning light
15. Propeller cannon warning light
16. Right nose cannon warning light
17. Right wing cannon warning light
18. Ammunition counter - left wing cannon
19. Ammunition counter - left nose cannon
20. Ammunition counter - propeller cannon
21. Ammunition counter - right nose cannon
22. Ammunition counter - right wing cannon
23. Altimeter
24. Repeater compass
25. Front engine coolant temperature gage
26. Front engine oil temperature gage
27. Rear engine coolant temperature gage
28. Rear engine oil temperature gage
29. Front engine fuel pressure gage
30. Front engine oil pressure gage
31. Rear engine fuel pressure gage
32. Rear engine oil pressure gage
33. Fuel gage
34. Engine fire warning lights
35. Front engine radiator lever
36. Rear engine radiator lever
37. Front engine throttle
38. Rear engine throttle
39. Magnetic compass
40. Front propeller pitch lever
41. Rear propeller pitch lever
42. Flaps position indicator



Do 335 (<http://www.cockpitinstrumente.de/>)

43. Landing gear position indicator
44. Flaps switch
45. Landing gear switch
46. Front engine ignition switch
47. Rear engine ignition switch
48. Elevator trim wheel



Focke-Wulf Fw 190 A-4 «Würger»



1. Left MG warning light
2. Right MG warning light
3. Ammunition counter - inboard left wing cannon
4. Ammunition counter - left MG
5. Ammunition counter - right MG
6. Ammunition counter - inboard right wing cannon
7. Airspeed indicator
8. Artificial horizon / turn and bank indicator
9. Variometer
10. Repeater compass
11. Manifold pressure gage
12. Altimeter
13. Fuel and oil pressure gage
14. Oil temperature gage
15. Fuel gage
16. Propeller pitch indicator
17. Low fuel warning light (15 min at 2500 RPM)
18. Rear tank switchover light (switched off when total fuel < 50%)
19. Tachometer
20. Throttle
21. Engine ignition switch
22. Landing gear position indicator: green - down
no light - transition
red - up
23. Flaps pos. indicator: red - up
red (middle) - combat and take-off position
green - landing position
24. Elevator trim indicator
25. Landing gear and flaps actuators
26. Clock



(<http://www.warbirdsalive.com/wblast/german/fw190/fw190y9.htm>)

Fw 190A3



(http://www.warbirdsalive.com/wblast/german/fw190/fw190y9/cocpit_2.jpg)





1. Left MG warning light
2. Right MG warning light
3. Ammunition counter - inboard left wing cannon
4. Ammunition counter - left MG
5. Ammunition counter - right MG
6. Ammunition counter - inboard right wing cannon
7. Airspeed indicator
8. Artificial horizon / turn and bank indicator
9. Variometer
10. Repeater compass
11. Manifold pressure gage
12. Altimeter
13. Fuel and oil pressure gage
14. Oil temperature gage
15. Fuel gage
16. Propeller pitch indicator
17. Low fuel warning light (15 min at 2500 RPM)
18. Rear tank switchover light (switched off when total fuel < 50%)
19. Tachometer
20. Throttle
21. Engine ignition switch
22. Landing gear position indicator: green - down
no light - transition
red - up
23. Flaps pos. indicator: red - up
red (middle) - combat and take-off position
green - landing position
24. Elevator trim indicator
25. Landing gear and flaps actuators
26. External ordnance status: two inner lights - belly bombs/tanks
two outer lights - wing bombs/tanks
27. Clock



Fw 190A (<http://www.360cities.net/image/luftfahrtmuseum-39>)





- 1. Ammunition counter - inboard left wing cannon
- 2. Ammunition counter - left MG
- 3. Ammunition counter - right MG
- 4. Ammunition counter - inboard right wing cannon
- 5. Airspeed indicator
- 6. Artificial horizon / turn and bank indicator
- 7. Variometer
- 8. Repeater compass
- 9. Manifold pressure gage
- 10. Altimeter
- 11. Fuel and oil pressure gage
- 12. Oil temperature gage
- 13. Fuel gage
- 14. Propeller pitch indicator
- 15. Low fuel warning light (15 min at 2500 RPM)
- 16. Rear tank switchover light (switched off when total fuel < 50%)
- 17. Tachometer
- 18. Throttle
- 19. Engine ignition switch
- 20. Landing gear position indicator: green - down
no light - transition
red - up
- 21. Elevator trim indicator
- 22. External ordnance status light
- 23. Clock
- 24. Landing gear and flaps actuators

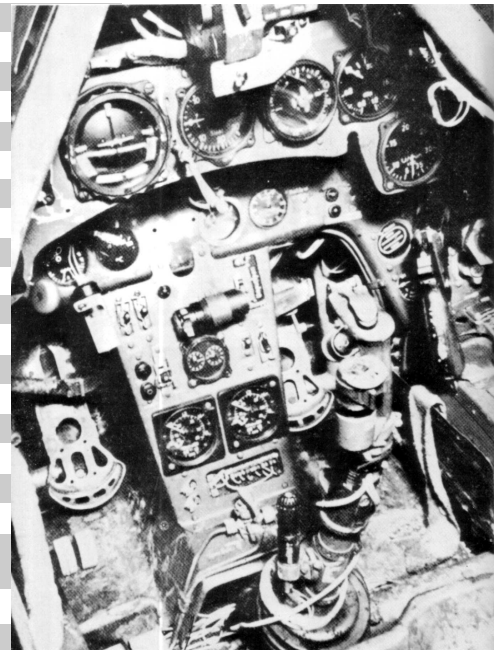


Fw 190A8 (<http://www.clubhyper.com/reference/fw190cockpit/CockPitMap.html>)





1. Ammunition counter - inboard left wing cannon
2. Ammunition counter - left **MG**
3. Ammunition counter - **right MG**
4. Ammunition counter - **inboard** right wing **cannon**
5. **Airspeed indicator**
6. **Artificial horizon / turn and bank indicator**
7. **Variometer**
8. **Repeater compass**
9. **Manifold pressure gage**
10. **Altimeter**
11. **Fuel and oil pressure gage**
12. **Oil temperature gage**
13. **Fuel gage**
14. **Propeller pitch indicator**
15. **Low fuel warning light** (15 min at 2500 RPM)
16. **Rear tank switchover light** (switched off when total fuel < 50%)
17. **Tachometer**
18. **Engine ignition switch**
19. **Landing gear position indicator**: green - down / red - up
in composite mode for Ju 88 Mistel, once separated for Fw 190 A8
20. **Ju 88 Mistel status light** (switched off when released)
21. **Ju 88 Mistel pitch control** (synchronized with the control stick)
22. **Propeller pitch indicator for left and right engine** - Ju 88 Mistel
23. **Left engine manifold pressure gage (big needle) and tachometer (small needle)** - Ju 88 Mistel
24. **Right engine manifold pressure gage (big needle) and tachometer (small needle)** - Ju 88 Mistel
25. **Throttle**
26. **Throttle** - Ju 88 Mistel left engine
27. **Throttle** - Ju 88 Mistel right engine
28. **Clock**
29. **Landing gear and flaps actuators**
30. **Elevator trim indicator**



Focke-Wulf Fw 190 D-9 «Dora» (1944)



1. Ammunition counter - left wing cannon
2. Ammunition counter - left MG
3. Ammunition counter - right MG
4. Ammunition counter - right wing cannon
5. Airspeed indicator
6. Artificial horizon / turn and bank indicator
7. Variometer
8. Repeater compass
9. Manifold pressure gage
10. Altimeter
11. Fuel and oil pressure gage
12. Coolant temperature gage
13. Oil temperature gage
14. Fuel gage
15. Low fuel warning light (15 min at 2500 RPM)
15. Rear tank switchover light (switched off when total fuel < 50%)
17. Tachometer
18. Throttle
19. Engine ignition switch
20. Elevator trim indicator
21. Landing gear and flaps actuators
23. Landing gear position indicator: green - down
no light - transition
red - up
23. Clock

Fw 190 D-9 (www.aeronautics.ru/archive/wiirbooks/cockpit/itemallFocke-Wulf/c20Fw%20190D-9.jpg)



©Don Randle, www.preservertaxiircraft.com/

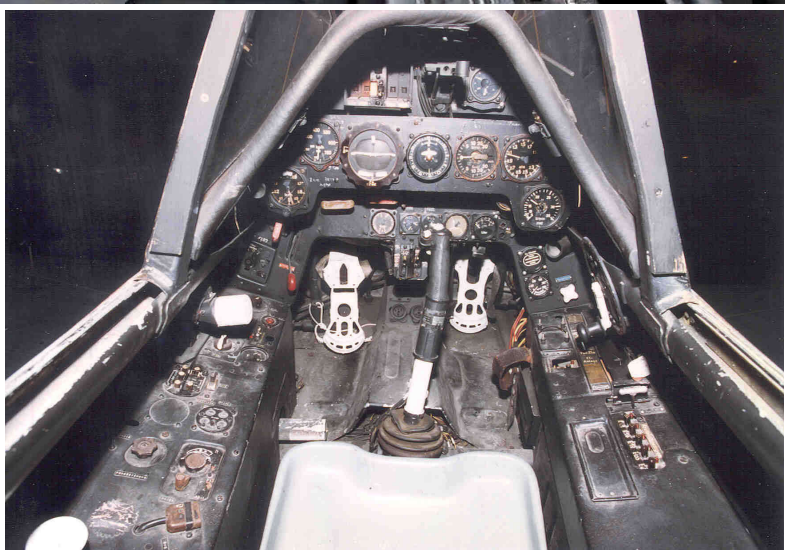
Copyright Don Randle



Focke-Wulf Fw 190 D-9 «Dora» (1945)



1. Ammunition counter - left wing cannon
2. Ammunition counter - left MG
3. Ammunition counter - right MG
4. Ammunition counter - right wing cannon
5. Airspeed indicator
6. Artificial horizon / turn and bank indicator
7. Variometer
8. Repeater compass
9. Manifold pressure gage
10. Altimeter
11. Fuel and oil pressure gage
12. Coolant temperature gage
13. Oil temperature gage
14. MW-50 pressure gage
15. Fuel gage
16. Low fuel warning light (15 min at 2500 RPM)
17. Rear tank switchover light (switched off when total fuel < 50%)
18. Tachometer
19. Throttle
20. Engine ignition switch
21. Elevator trim indicator
22. Landing gear and flaps actuators
23. Landing gear position indicator: green - down
no light - transition
red - up
24. Clock



Fw 190 D-9 (<http://untoldvalor.blogspot.com/2007/08/wwii-aircraft-view-from-cockpit.html>)



Fw 190 D-9 (<http://www.largescaleplanes.com/index.php>)



Focke-Wulf Fw 190 F-8 «Würger»



1. Ammunition counter - left wing cannon
2. Ammunition counter - left MG
3. Ammunition counter - right MG
4. Ammunition counter - right wing cannon
5. Airspeed indicator
6. Artificial horizon / turn and bank indicator
7. Variometer
8. Repeater compass
9. Manifold pressure gage
10. Altimeter
11. Fuel and oil pressure gage
12. Oil temperature gage
13. Fuel gage
14. Propeller pitch indicator
15. Low fuel warning light (15 min at 2500 RPM)
16. Rear tank switchover light (switched off when total fuel < 50%)
17. Tachometer
18. Throttle
19. Engine ignition switch
20. Landing gear **position indicator**: green - down
no light - transition
red - up
21. Elevator trim indicator
22. Landing gear and flaps actuators
23. Bombing panel: upper row - wing bombs status
lower row - fuselage bombs status
24. Clock

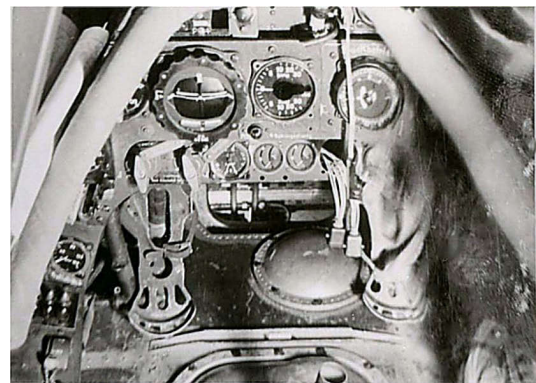
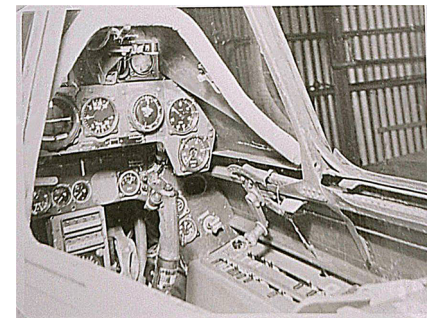


Fw 190F (©Don Randle, www.preservedaxisaircraft.com/)





- 1. Ammunition counter - left wing cannon
- 2. Ammunition counter - left nose cannon
- 3. Ammunition counter - right nose cannon
- 4. Ammunition counter - right wing cannon
- 5. Airspeed indicator
- 6. Artificial horizon / turn and bank indicator
- 7. Variometer
- 8. Repeater compass
- 9. Manifold pressure gage
- 10. Altimeter
- 11. Fuel and oil pressure gage
- 12. Coolant temperature gage
- 13. Oil temperature gage
- 14. X-4 missile guidance lever
- 15. Fuel gage
- 16. Low fuel warning light (15 min at 2500 RPM)
- 17. Rear tank switchover light (switched off when total fuel < 50%)
- 18. Tachometer
- 19. Landing gear lever
- 20. Throttle
- 21. Hydraulic pressure gage
- 22. Landing gear position indicator: green - down
no light - transition
red - up
- 23. Engine ignition switch
- 24. Flaps actuators
- 25. Elevator trim indicator



Ta 152 (<http://www.cockpitinstrumente.de>)



Focke-Wulf Ta 152 H-1



1. Ammunition counter - left wing cannon
2. Ammunition counter - right wing cannon
3. Airspeed indicator
4. Artificial horizon / turn and bank indicator
5. Variometer
6. Repeater compass
7. Manifold pressure gage
8. Altimeter
9. Fuel and oil pressure gage
10. Coolant temperature gage
11. Oil temperature gage
12. MW-50 pressure gage
13. Fuel gage
14. Low fuel warning light (15 min at 2500 RPM)
15. Rear tank switchover light (switched off when total fuel < 50%)
16. Tachometer
17. Landing gear lever
18. Hydraulic pressure gage
19. Throttle
20. Landing gear position indicator: green - down
no light - transition
red - up
21. Engine ignition switch
22. Flaps actuator
23. Elevator trim indicator



Ta 152 (<http://www.cockpitinstrumente.de>)



Focke-Wulf Ta 183 «Huckebein»



1. Clock
2. Variometer
3. Airspeed indicator
4. Artificial horizon / turn and bank indicator
5. X-4 missile guidance lever
6. Tachometer
7. Stall warning light
8. Altimeter
9. Repeater compass
10. Exhaust gas temperature gage
11. Exhaust pressure gage
12. Oil pressure gage
13. Fuel gage
14. Low fuel warning light
15. Left and right cannons ammunition counters
16. Free air temperature gage
17. **Compressed** air pressure gage
18. Landing gear lever
19. Flaps lever
20. Throttle
21. Elevator trim indicator
22. Landing gear position indicator: green - down
no light - transition
red - up
23. Exhaust nozzle control lever (front position at power > 100%)





1. Landing gear **position indicator**: green - down
no light - transition
red - up

2. Variometer

3. Artificial horizon / turn and bank indicator

4. Airspeed indicator

White needle - IAS up to 400 km/h, yellow needle - TAS with dual 400 km/h mark

5. Flaps position indicator:

upper red (Ein) - up and combat

middle red (Start) - take-off

lower green (Aus) - landing

no light - transition

6. Altimeter

7. Repeater compass

8. Left tank fuel gage

9. Left tank low fuel warning light

10. Right tank fuel gage

11. Right tank low fuel warning light

12. Left engine fuel injection **pressure** gage

13. Left engine gas temperature gage

14. Left engine tachometer

15. Right engine tachometer

16. Right engine gas temperature gage

17. Right engine fuel injection **pressure** gage

18. Outside temperature gage

19. Exhaust **pressure** gage (left engine only)

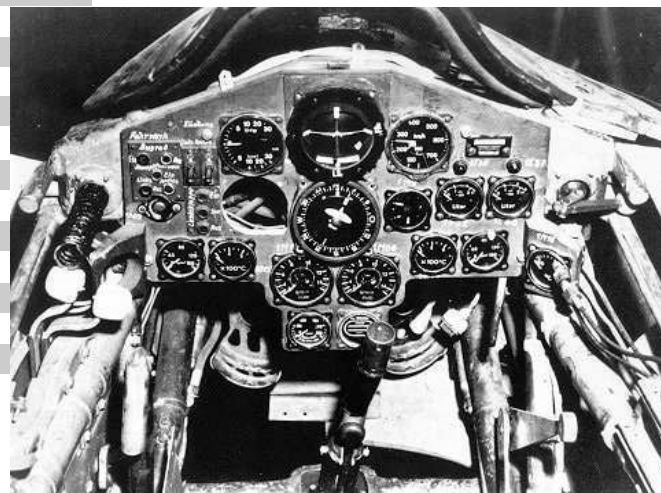
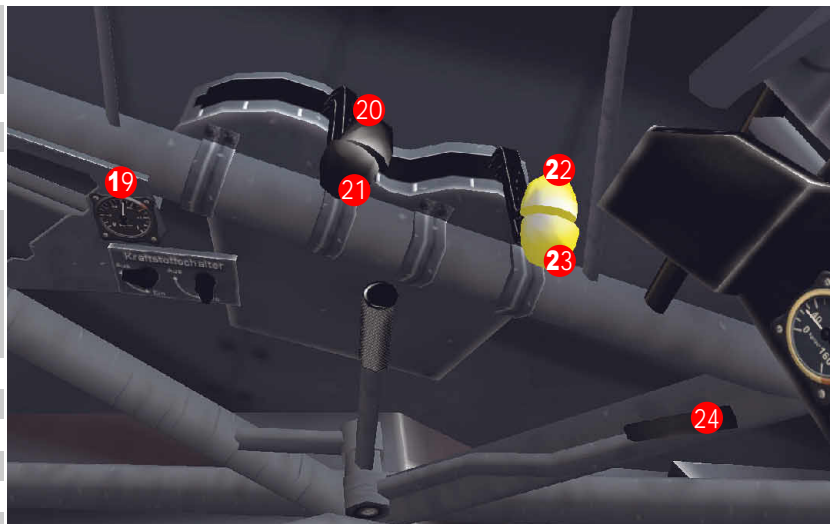
20. Landing gear **lever**

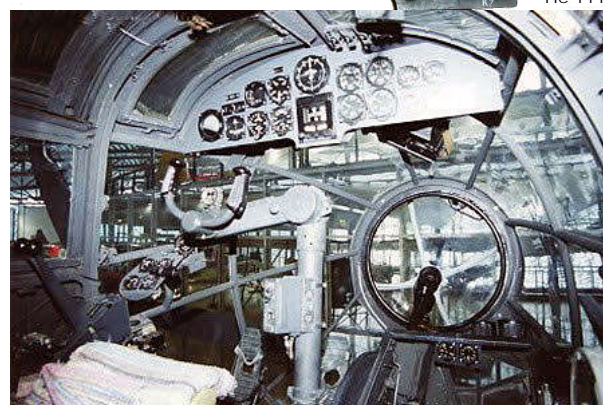
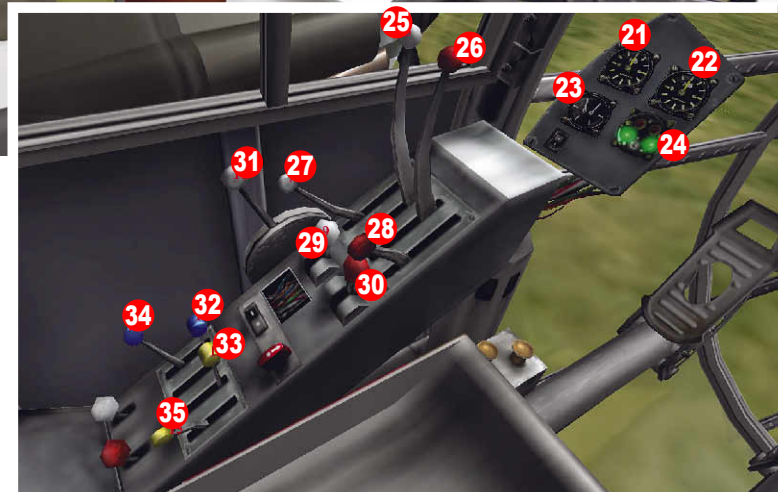
21. Flaps **lever**

22. Left engine **throttle**

23. Right engine **throttle**

24. Air brake lever





- 1. Artificial horizon
- 2. Autopilot course pointer
- 3. Turn and bank indicator
- 4. Blind landing homing indicator
- 5. Variometer
- 6. Airspeed indicator
- 7. Altimeter
- 8. Repeater compass
- 9. Autopilot course indicator (top: selected course - bottom: gyro heading)
- 10. Left engine tachometer
- 11. Right engine tachometer
- 12. Left engine oil temperature gage
- 13. Right engine oil temperature gage
- 14. Left engine fuel and oil pressure gage
- 15. Left engine manifold pressure gage
- 16. Right engine manifold pressure gage
- 17. Left engine coolant temperature gage
- 18. Right engine coolant temperature gage
- 19. Right engine fuel and oil pressure gage
- 20. Clock
- 21. Left propeller pitch indicator
- 22. Right propeller pitch indicator
- 23. Flaps position indicator
- 24. Landing gear position indicator: green - down
red - up
- 25. Left engine throttle
- 26. Right engine throttle
- 27. Left engine supercharger lever
- 28. Right engine supercharger lever
- 29. Left side propeller pitch lever
- 30. Right side propeller pitch lever
- 31. Flaps lever
- 32. Left engine mixture lever
- 33. Right engine mixture lever
- 34. Left engine oil radiator lever
- 35. Right engine oil radiator lever
- 36. Low fuel warning light for left wing tank
- 37. Left wing tank fuel gage
- 38. Right wing tank fuel gage
- 39. Low fuel warning light for right wing tank
- 40. Left engine fuel and oil pressure gage
- 41. Free air temperature gage
- 42. Right engine fuel and oil pressure gage

He 111 (<http://www.cockpitinstrumente.de>)



1. Turn and bank indicator

2. Airspeed indicator (white needle - IAS, yellow needle - TAS)
 Max IAS speed marks: 400 km/h-11000 m, 500 km/h-9000 m, 600 km/h-7000 m, 700 km/h-5000 m)

3. Variometer

4. Exhaust gas temperature gage

5. Tachometer

6. Altimeter

7. Magnetic compass

8. Oil pressure gage

9. Fuel injection pressure gage

10. Clock

11. Fuel gage

12. Ammunition counter - left cannon

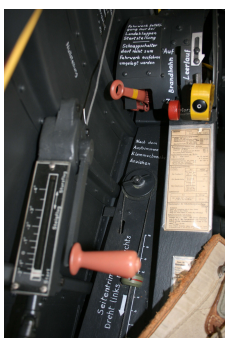
13. Ammunition counter - right cannon

14. Nosewheel well window

15. Elevator trim lever

16. Landing gear lever (indicator is located in front of the windshield)

17. Throttle



He 162 © Tromplamort – MAE Dugny 2009

He 162 © Tromplamort

He 162 (<http://memorial.flight.free.fr>)



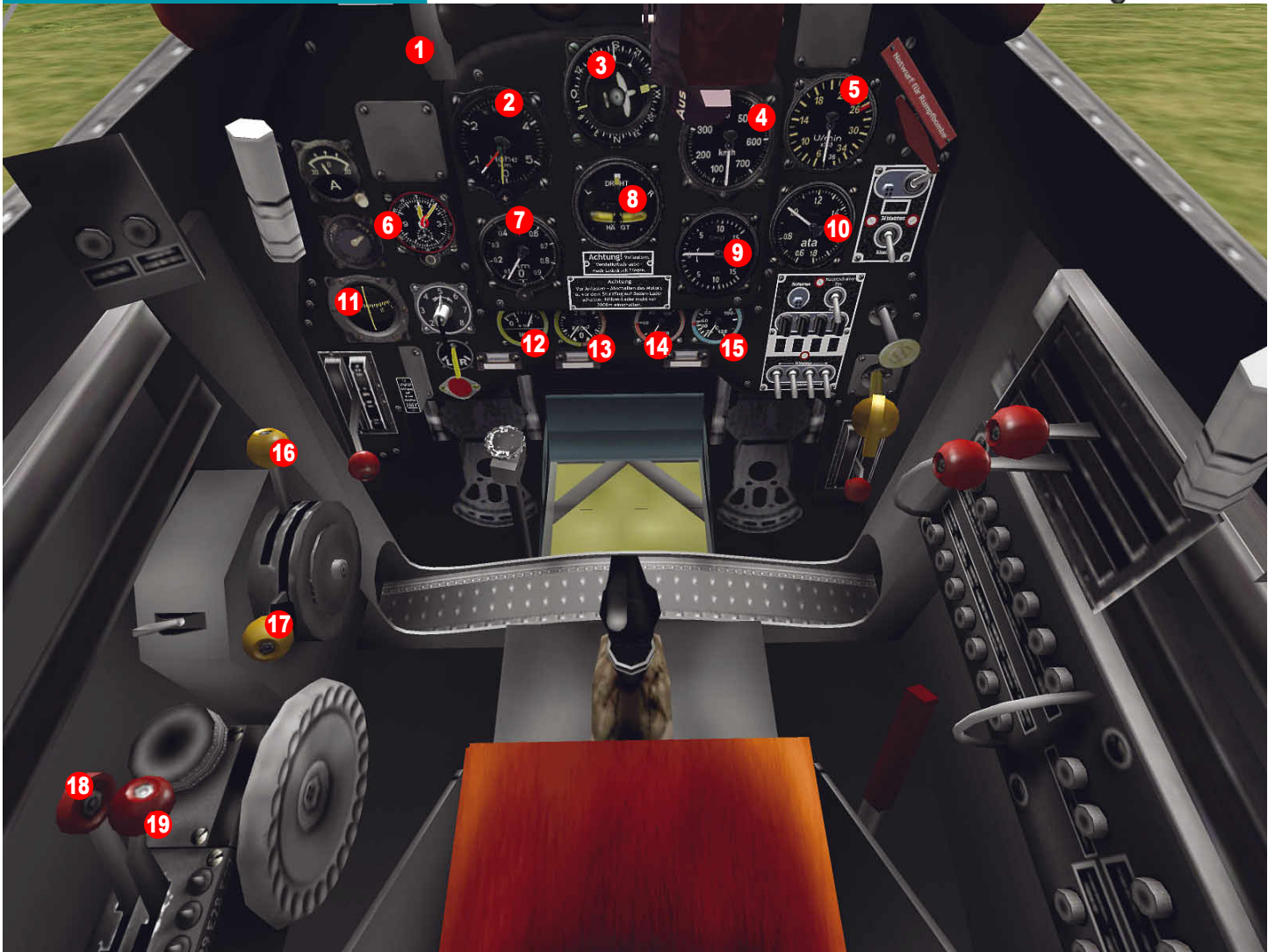
Heinkel He III B-2 «Lerche»



1. Artificial horizon / turn and bank indicator
2. Airspeed indicator
3. Altimeter
4. X-4 missile guidance lever
5. Front engine coolant temperature gage
6. Front engine oil pressure gage
7. Rear engine coolant temperature gage
8. Rear engine oil pressure gage
9. Front engine manifold pressure gage & tachometer
10. Rear engine manifold pressure gage & tachometer
11. Electric generator indicator light
12. Stabilization autopilot: engines power effectiveness indicator light
13. Fuel gage
14. Front engine throttle
15. Rear engine throttle
16. Low fuel warning light
17. Stabilization autopilot: "Switched on" indicator light (control surfaces deployed)
18. Stabilization autopilot: "Engaged" indicator light (control surfaces active)
19. Landing sensing probe indicator lights: green - wheels on ground
no light - in flight
20. Ultra-sound landing altimeter (0-300 m)
21. Variometer



Junkers Ju 87 B-2 Stuka

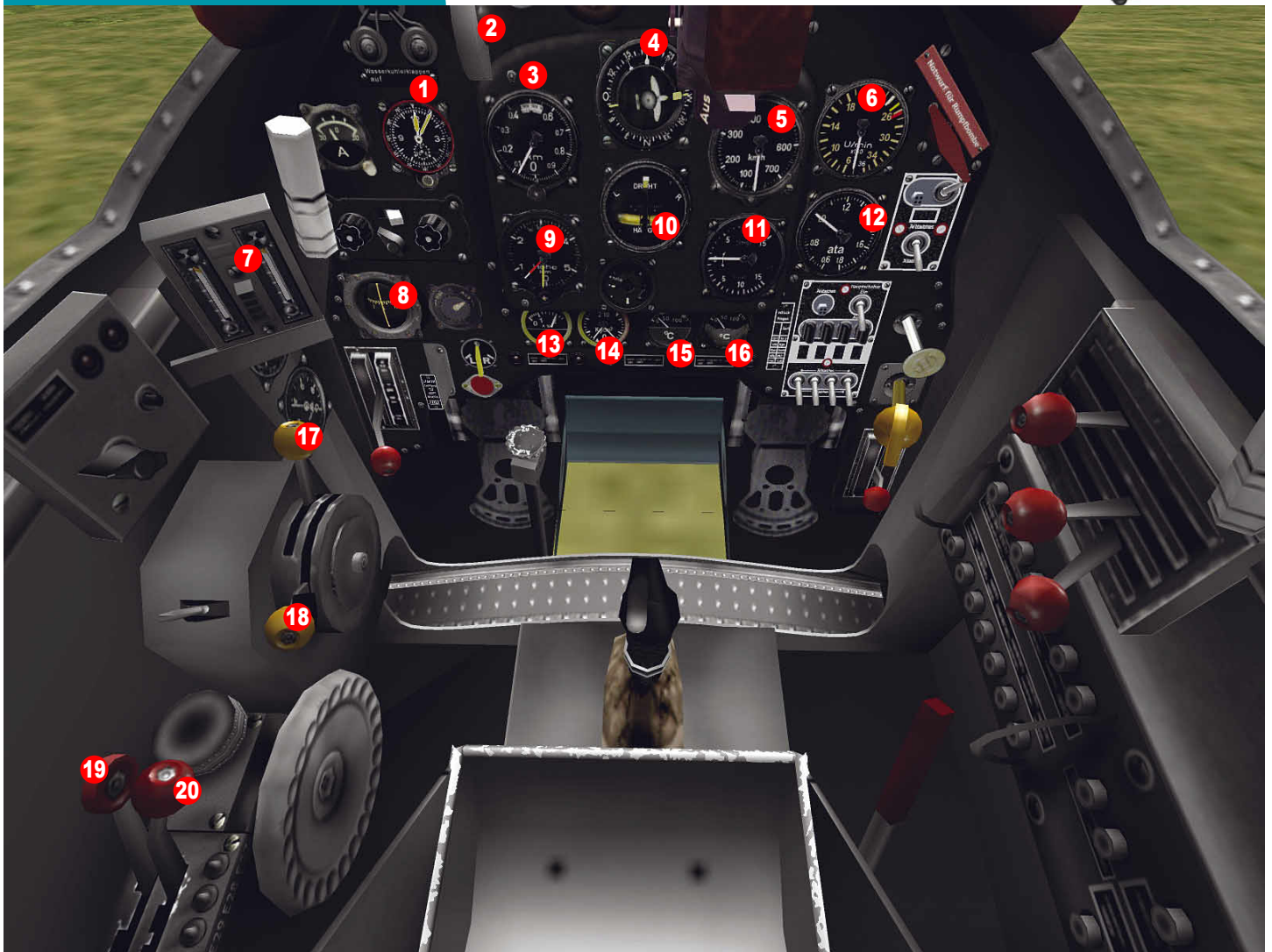


1. Supercharger lever: rear position - stage 1
front position - stage 2
2. Contact altimeter
(with adjustable altitude needle for automatic bomb drop & pull-up)
3. Repeater compass
4. Airspeed indicator
5. Tachometer
6. Clock
7. Altimeter
8. Turn and bank indicator
9. Variometer
10. Manifold pressure gage
11. Magnetic compass
12. Fuel gage
13. Fuel and oil pressure gage
14. Oil temperature gage
15. Coolant temperature gage
16. Propeller pitch lever
17. Throttle
18. Dive brakes lever: rear position - deployed
front position - stowed
19. Flaps lever

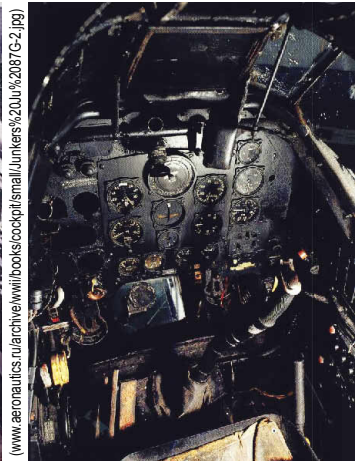


Ju 87B1 (<http://www.cockpitinstrumente.de>)



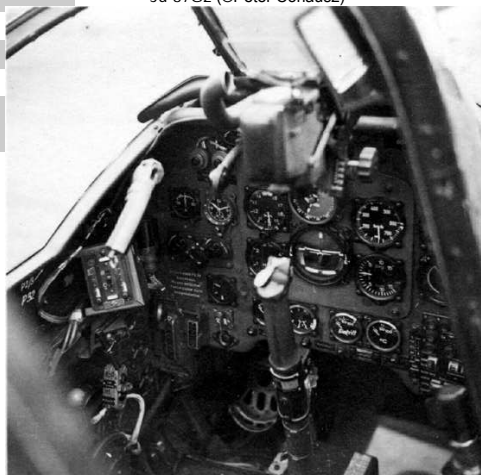


1. Clock
2. Supercharger lever: rear position - stage 1
front position - stage 2
3. Altimeter
4. Repeater compass
5. Airspeed indicator
6. Tachometer
7. Left and right ammunition counters (MG in D-3, cannons in D-5 & G-1)
8. Magnetic compass
9. Contact altimeter
(with adjustable altitude needle for bomb drop (automatic in D-3 only) & pull-up)
10. Turn and bank indicator
11. Variometer
12. Manifold pressure gage
13. Fuel gage
14. Fuel and oil pressure gage
15. Oil temperature gage
16. Coolant temperature gage
17. Propeller pitch lever
18. Throttle
19. Dive brakes lever: rear position - deployed
(except in G-1) front position - stowed
20. Flaps lever

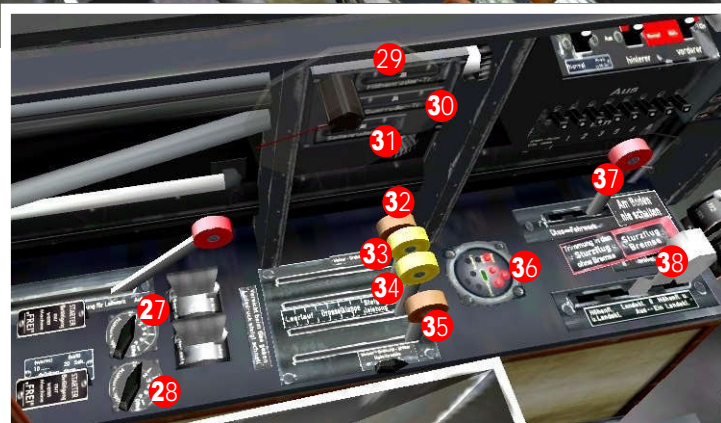


Ju 87G2 (©Peter Cohausz)

Ju 87D5 (http://www.cockpitinstruments.de)



Junkers Ju 88 A-4



1. Variometer
2. Autopilot course pointer
3. **Turn and bank indicator**
4. Artificial horizon
5. Autopilot course indicator (top: selected course - bottom: gyro heading)
6. Radio bearing indicator
7. Repeater compass
8. Left engine manifold pressure gage
9. Right engine manifold pressure gage
10. **Left engine tachometer**
11. **Right engine tachometer**
12. Left & right engine fuel and oil pressure gage
13. Left engine coolant temperature gage
14. Right engine coolant temperature gage
15. Fuel gage
16. Fuel gage
17. Free air temperature gage
18. Airspeed indicator
19. Altimeter
20. Contact altimeter
(with adjustable altitude needle for bomb drop & pull-up)
21. Fuel consumption gage
22. Left engine ignition switch
23. Right engine ignition switch
24. Clock
25. True airspeed selector switch
26. True airspeed indicator
27. Left engine oil radiator selector switch
28. Right engine oil radiator selector switch
29. Elevator trim wheel and indicator
30. Aileron trim indicator
31. Rudder trim indicator
32. Left side propeller pitch lever
33. Left engine throttle
34. Right engine throttle
35. Right side propeller pitch lever

On engine nacelles



36. Landing gear & flaps position indicator
37. Landing gear lever
38. Flaps lever
39. Hydraulic oil pressure gage
40. Oil temperature gage



Ju 88 (http://www.nationalmuseum.af.mil/photos)



- 1. Clock
- 2. Engine ignition switch
- 3. Altimeter
- 4. Repeater compass
- 5. Manifold pressure gage
- 6. Airspeed indicator
- 7. Turn and bank indicator
- 8. Tachometer
- 9. Propeller pitch indicator
- 10. Low fuel warning light
- 11. Fuel and oil pressure gage
- 12. Landing gear **position indicator: green - down**
no light - transition
red - up
- 13. Fuel gage
- 14. Oil temperature gage
- 15. Coolant temperature gage
- 16. Landing gear lever
- 17. Throttle



Bf 109E-4 (©Rod Dermo, <http://www.airliners.net>)





- 1. Ammunition counter - left MG
- 2. Ammunition counter - cannon
- 3. Ammunition counter - right MG
- 4. Clock
- 5. Engine ignition switch
- 6. Altimeter
- 7. Repeater compass
- 8. Manifold pressure gage
- 9. Landing gear position indicator: green - down
no light - transition
red - up
- 10. Landing gear actuators
- 11. Airspeed indicator
- 12. Turn and bank indicator
- 13. Tachometer
- 14. Propeller pitch indicator
- 15. Coolant temperature gage
- 16. Low fuel warning light
- 17. Fuel gage
- 18. Fuel and oil pressure gage
- 19. Throttle



Bf 109F4



Messerschmitt Bf 109 G-2 «Gustav»



1. Ammunition counter - left MG
2. Ammunition counter - cannon
3. Ammunition counter - right MG
4. Clock
5. Engine ignition switch
6. Repeater compass
7. Artificial horizon / turn and bank indicator
8. Manifold pressure gage
9. Landing gear position indicator: green - down
no light - transition
red - up
10. Landing gear actuators
11. Altimeter
12. Airspeed indicator
13. Tachometer
14. Propeller pitch indicator
15. Coolant temperature gage
16. Low fuel warning light
17. Fuel gage
18. Fuel and oil pressure gage
19. Throttle



Bf 109G2 (<http://www.360cities.net/image/luftfahrtmuseum-40>)





- 1. Ammunition counter - left MG
- 2. Ammunition counter - cannon
- 3. Ammunition counter - right MG
- 4. Clock
- 5. Engine ignition switch
- 6. Repeater compass
- 7. Artificial horizon / turn and bank indicator
- 8. Manifold pressure gage
- 9. Landing gear position indicator: green - down
no light - transition
red - up
- 10. Landing gear actuators
- 11. Altimeter
- 12. Airspeed indicator
- 13. Tachometer
- 14. Propeller pitch indicator
- 15. Coolant temperature gage
- 16. Low fuel warning light
- 17. Fuel gage
- 18. Fuel and oil pressure gage
- 19. Throttle



Bf 109G6 ©Mikael Olrog, <http://109lair.hobbyvista.com/index1024.htm>



Messerschmitt Bf 109 G-10 «Gustav»



1. Ammunition counter - left MG
2. Ammunition counter - cannon
3. Ammunition counter - right MG
4. Clock
5. Engine ignition switch
6. Repeater compass
7. Artificial horizon / turn and bank indicator
8. Manifold pressure gage
9. Landing gear position indicator: green - down
no light - transition
red - up
10. Landing gear actuators
11. Altimeter
12. Airspeed indicator
13. Tachometer
14. Propeller pitch indicator
15. Coolant temperature gage
16. Low fuel warning light
17. Fuel gage
18. Fuel and oil pressure gage
19. Throttle

Bf 109G10 (http://www.aircraftresourcecenter.com/AVIA/1001-1001vsk037_Me-109_C-10part2.html)



Messerschmitt Bf 109 G-14 «Gustav»



1. Ammunition counter - left MG
2. Ammunition counter - cannon
3. Ammunition counter - right MG
4. Clock
5. Engine ignition switch
6. Repeater compass
7. Artificial horizon / turn and bank indicator
8. Manifold pressure gage
9. Landing gear position indicator: green - down
no light - transition
red - up
10. Landing gear actuators
11. Altimeter
12. Airspeed indicator
13. Tachometer
14. Propeller pitch indicator
15. Coolant temperature gage
16. Low fuel warning light
17. Fuel gage
18. Fuel and oil pressure gage
19. Throttle
20. MW-50 indicator





- 1. Ammunition counter - left MG
- 2. Ammunition counter - right MG
- 3. MW-50 pressure gage
- 4. Clock
- 5. Airspeed indicator
- 6. Artificial horizon / turn and bank indicator
- 7. Variometer
- 8. Fuel and oil pressure gage
- 9. Coolant temperature gage
- 10. Oil temperature gage
- 11. Altimeter
- 12. Repeater compass
- 13. Tachometer
- 14. Propeller pitch indicator
- 15. Landing gear actuators & position indicator: green - down
no light transition
red - up
- 16. Engine ignition switch
- 17. Manifold pressure gage
- 18. Fuel gage
- 19. Low fuel warning light
- 20. Throttle
- 21. MW-50 indicator



Bf 109G14AS / K4



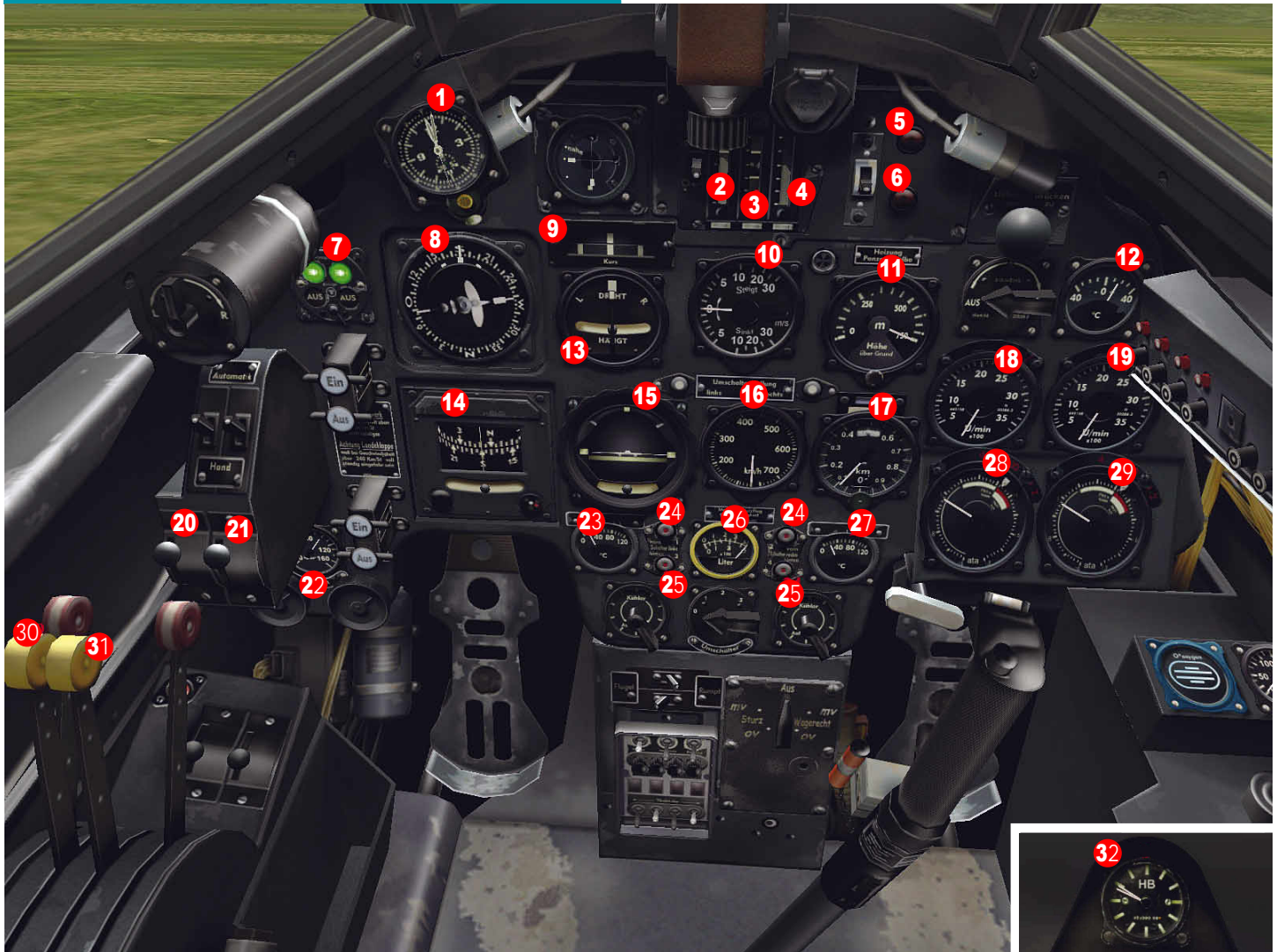
Messerschmitt Bf 109 Z «Zwilling»



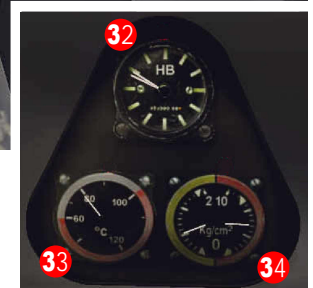
1. Ammunition counter - left cannon
2. Ammunition counter - optional MK103 gunpod
3. Ammunition counter - right cannon
4. Clock
5. Left engine ignition switch
6. Right engine ignition switch
7. Repeater compass
8. Artificial horizon / turn and bank indicator
9. Left engine manifold pressure gage (white needle) and tachometer (yellow needle)
10. Right engine manifold pressure gage (white needle) and tachometer (yellow needle)
11. Landing gear position indicator: green - down
no light - transition
red - up
12. Altimeter
13. Airspeed indicator
14. Left engine coolant temperature gage
15. Right engine coolant temperature gage
16. Left engine fuel and oil pressure gage
17. Right engine fuel and oil pressure gage
18. Low fuel warning light
19. Propeller pitch indicator for left and right engine
20. Fuel gage
21. Landing gear actuators
22. Left engine throttle
23. Right engine throttle



Messerschmitt Bf 110 G-2 Zerstörer



1. Clock
2. Ammunition counter - left cannon
3. Ammunition counter - optional MK108 cannons
4. Ammunition counter - right cannon
5. Right cannon warning light
6. Left cannon warning light
7. Landing gear position indicator: green - down red - up
8. Repeater compass
9. Autopilot course pointer
10. Variometer
11. Radio altimeter
12. Outside temperature gage
13. Turn and bank indicator
14. Autopilot course indicator: top: selected course bottom: gyro heading
15. Artificial horizon
16. Airspeed indicator
17. Altimeter
18. Left engine tachometer
19. Right engine tachometer
20. Left engine propeller pitch lever
21. Right engine propeller pitch lever
22. Compressed air pressure gage
23. Left engine coolant temperature gage
24. Low fuel warning light for left/right front fuel tank
25. Low fuel warning light for left/right rear fuel tank
26. Fuel gage
27. Right engine coolant temperature gage
28. Left engine manifold pressure gage
29. Right engine manifold pressure gage
30. Left engine throttle
31. Right engine throttle



On engine nacelles

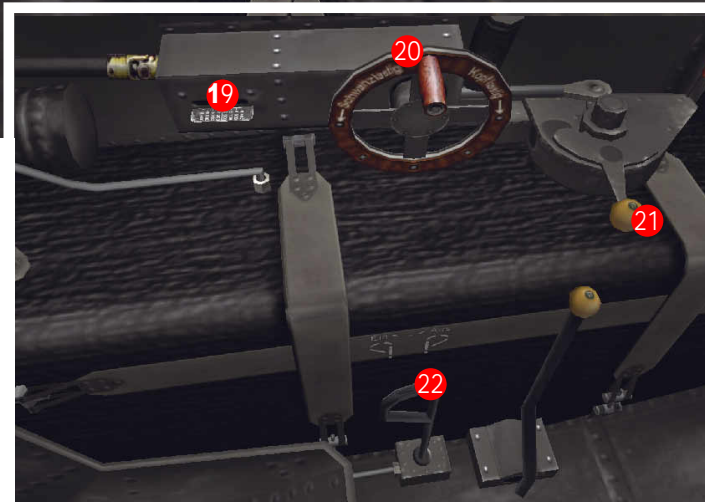


32. Propeller pitch indicator
33. Oil temperature gage
34. Fuel and oil pressure gage

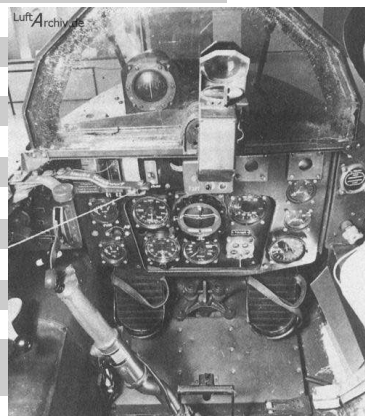
Bf110G4 (<http://www.cockpitinstrumente.de>)



Messerschmitt Me 163 B-1a «Komet»



1. Magnetic **compass**
2. Landing gear **position indicator**: green - down
no light - transition
red - up
3. Airspeed indicator
White needle - IAS up to 400 km/h, yellow needle - TAS with dual 400 km/h mark
4. **Artificial horizon / turn and bank indicator**
5. **Variometer**
6. Ammunition **counter - left cannon**
7. Ammunition **counter - right cannon**
8. **Left cannon warning light**
9. **Right cannon warning light**
10. **Thrust gage (low power)**
11. **Thrust gage (high power)**
12. Landing gear lever
13. **Clock**
14. **Altimeter**
15. Tachometer (in %)
16. Fuel **consumption** gage
17. Low fuel warning light
18. Exhaust temperature gage
19. **Elevator trim** indicator
20. **Elevator trim** wheel
21. **Throttle - 4 settings**:
0% - 35% - 65% - 100%
22. **Flaps** lever



Me 163 (http://www.avenventure.de/dux02pssi/Me163_Cockpit_0440.jpg)

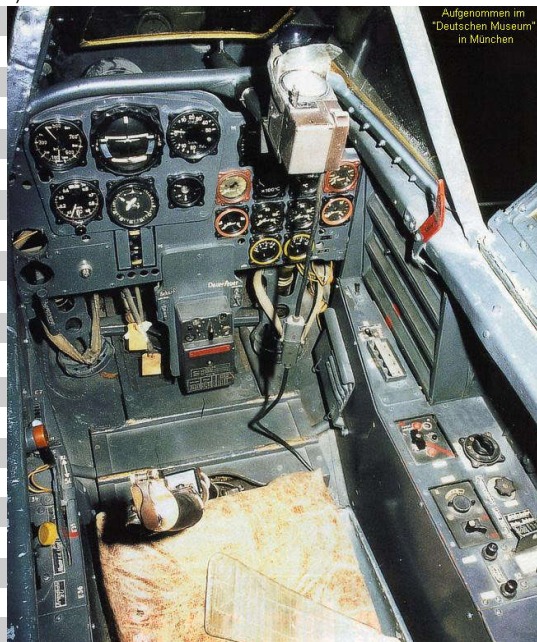


Me 163 (<http://www.luftarchiv.de/>)





- 1. Airspeed indicator**
White needle - IAS up to 400 km/h, yellow needle - TAS with dual 400 km/h mark
- 2. Artificial horizon**
- 3. Variometer**
- 4. Overspeed warning light**
- 5. Altimeter**
- 6. Repeater compass**
- 7. Clock**
- 8. Cabin pressure warning light**
- 9. Ammunition counter - left upper cannon** (not present on a1/U4)
- 10. Ammunition counter - right upper cannon** (not present on a1/U4)
- 11. Cannon warning lights** (not present on a1/U4)
- 12. Left engine tachometer**
- 13. Right engine tachometer**
- 14. Left engine gas pressure gage**
- 15. Left engine gas temperature gage**
- 16. Right engine gas temperature gage**
- 17. Right engine gas pressure gage**
- 18. Left engine oil pressure gage**
- 19. Left engine fuel injection pressure gage**
- 20. Right engine fuel injection pressure gage**
- 21. Right engine oil pressure gage**
- 22. Low fuel warning light** (front)
- 23. Fuel gage** (front)
- 24. Fuel gage** (rear)
- 25. Low fuel warning light** (rear)
- 26. Left engine throttle**
- 27. Right engine throttle**
- 28. Flaps actuators**
- 29. Landing gear actuators**
- 30. Landing gear position: green - down / red - up**
- 31. Elevator trim lever**

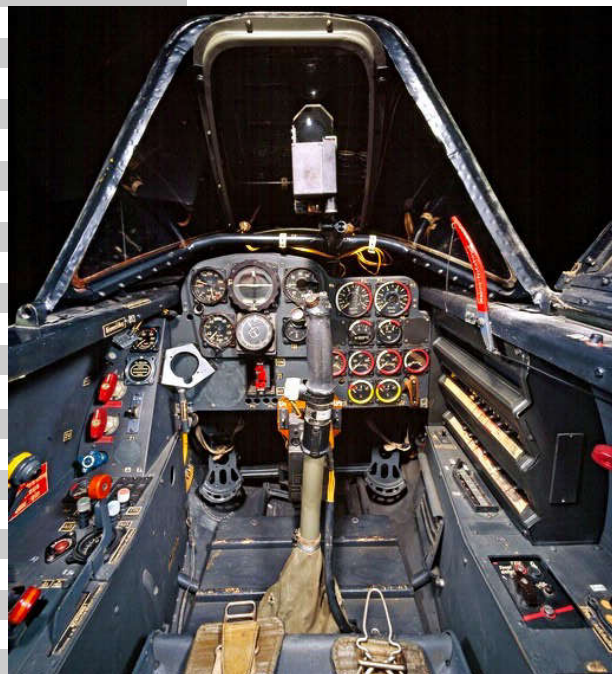
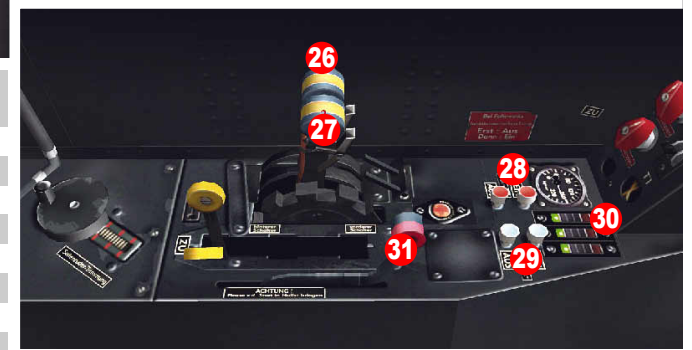


Aufgenommen im "Deutsches Museum" in München

Me262 (http://www.troxow-web.de/FA, 2000)Historische Flugzeuge/Messerschmitt_Me262Me-262_Coepflme82_coopt.html



Messerschmitt Me 262 A-2a «Sturmvogel»



1. **Airspeed indicator**
White needle - IAS up to 400 km/h, yellow needle - TAS with dual 400 km/h mark
2. **Artificial horizon**
3. **Variometer**
4. **Overspeed warning light**
5. **Altimeter**
6. **Repeater compass**
7. **Clock**
8. **Cabin pressure warning light**
9. **Ammunition counter - left upper cannon**
10. **Ammunition counter - right upper cannon**
11. **Cannon warning lights**
12. **Left engine tachometer**
13. **Right engine tachometer**
14. **Left engine gas pressure gage**
15. **Left engine gas temperature gage**
16. **Right engine gas temperature gage**
17. **Right engine gas pressure gage**
18. **Left engine oil pressure gage**
19. **Left engine fuel injection pressure gage**
20. **Right engine fuel injection pressure gage**
21. **Right engine oil pressure gage**
22. **Low fuel warning light (front)**
23. **Fuel gage (front)**
24. **Fuel gage (rear)**
25. **Low fuel warning light (rear)**
26. **Left engine throttle**
27. **Right engine throttle**
28. **Flaps actuators**
29. **Landing gear actuators**
30. **Landing gear position: green - down / red - up**
31. **Elevator trim lever**

Me 262 (<http://www.nasm.si.edu/exhibitions/gaz211/aircontrols.cfm>)



Messerschmitt Me 262 HG II



- 1. Airspeed indicator**
White needle - IAS up to 400 km/h, yellow needle - TAS with dual 400 km/h mark
- 2. Artificial horizon**
- 3. Variometer**
- 4. Overspeed warning light**
- 5. Altimeter**
- 6. Repeater compass**
- 7. Clock**
- 8. Cabin pressure warning light**
- 9. Ammunition counter - left upper cannon**
- 10. Ammunition counter - right upper cannon**
- 11. Cannon warning lights**
- 12. Left engine tachometer**
- 13. Right engine tachometer**
- 14. Left engine gas pressure gage**
- 15. Left engine gas temperature gage**
- 16. Right engine gas temperature gage**
- 17. Right engine gas pressure gage**
- 18. Left engine oil pressure gage**
- 19. Left engine fuel injection pressure gage**
- 20. Right engine fuel injection pressure gage**
- 21. Right engine oil pressure gage**
- 22. Low fuel warning light (front)**
- 23. Fuel gage (front)**
- 24. Fuel gage (rear)**
- 25. Low fuel warning light (rear)**
- 26. Left engine throttle**
- 27. Right engine throttle**
- 28. Flaps actuators**
- 29. Landing gear actuators**
- 30. Landing gear position: green - down / red - up**
- 31. Elevator trim lever**



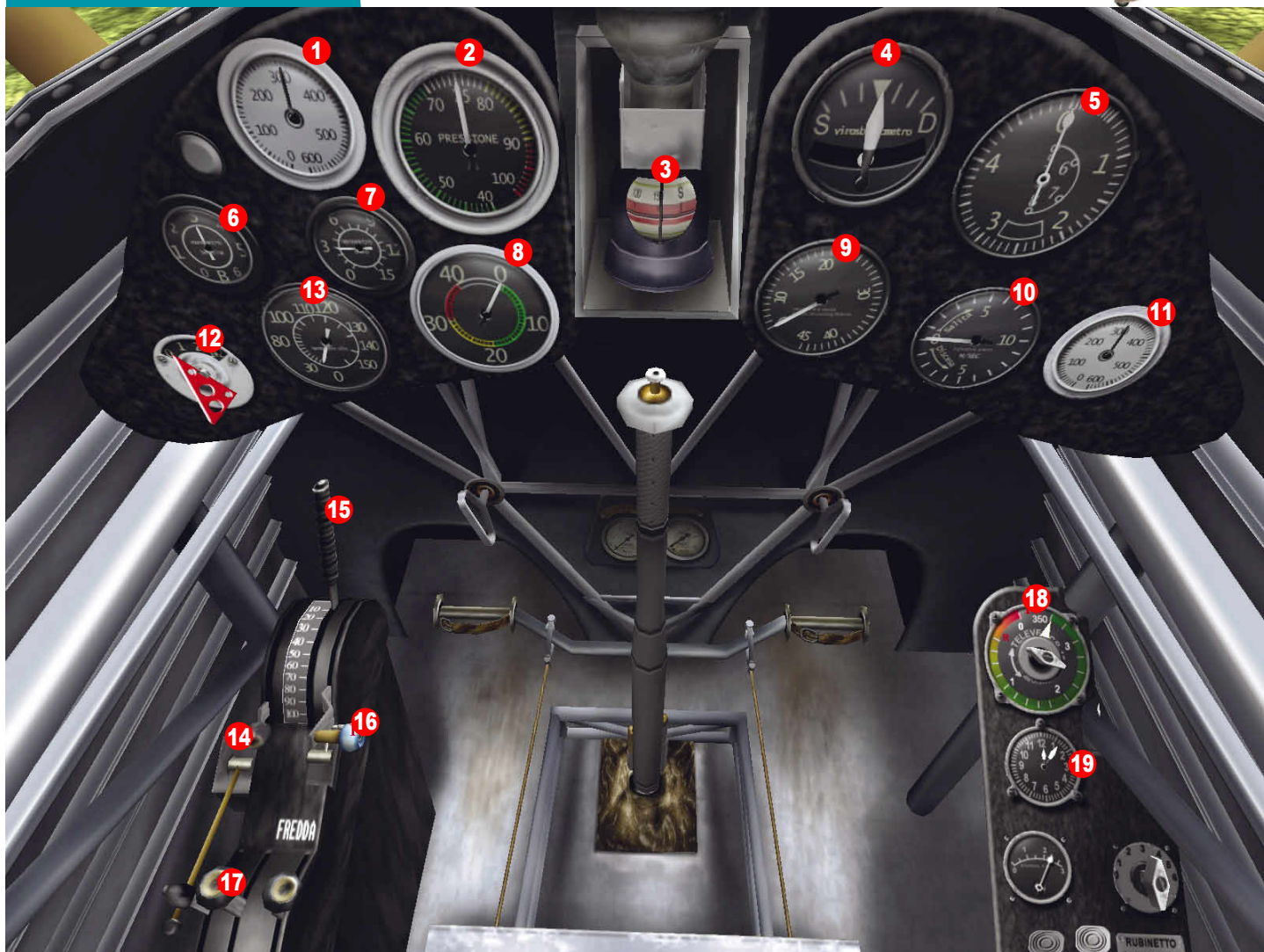
Me 262 B-1a (<http://www.dvhaa.org/>)



ITALY



Fiat C.R. 42 «Falco»



1. Ammunition counter - left MG
2. Manifold pressure gage
3. Magnetic compass
4. Turn and bank indicator
5. Altimeter
6. Fuel pressure gage
7. Oil pressure gage
8. Tachometer
9. Airspeed indicator
10. Variometer
11. Ammunition counter - right MG
12. Engine ignition switch
13. Oil temperature gage
14. Mixture lever: rear position - richer mixture
front position - leaner mixture
15. Throttle (100% in rear position)
16. Propeller pitch lever (100% in rear position)
17. Radiator levers
18. Fuel gage
19. Clock

C. R. 42 (<http://www.2aircraft.net/forum/>)



C. R. 42 (http://surfcity.kund.dalnet.se/falco_sweden.htm)



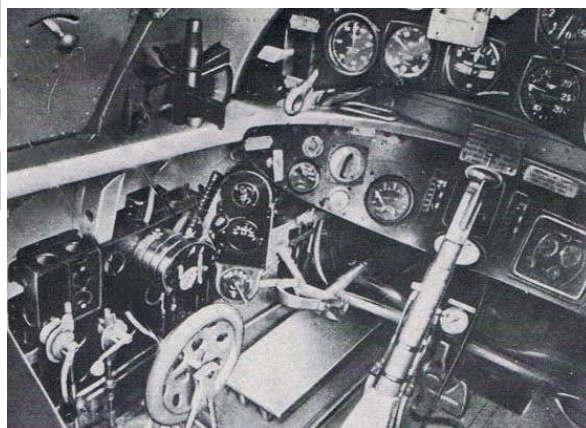
Fiat G.50 «Freccia»



1. Fuel pressure gage
2. Oil pressure gage
3. Tachometer
4. Altimeter
5. Airsped indicator
6. Flaps lever
7. Landing gear lever
8. Manifold pressure gage
9. Airspeed indicator
10. Turn and bank indicator
11. Variometer
12. Oil temperature gage
13. Cylinder head temperature gage
14. Ammunition counter - left MG
15. Magnetic compass
16. Ammunition counter - right MG
17. Landing gear position indicator: green - down
no light transition
red - up
18. Clock
19. Propeller pitch lever
20. Throttle
21. Mixture lever: rear position - leaner mixture
front position - richer mixture



G50 (<http://www.airwar.ru/aww2.html>)



Macchi M.C.200 III «Saetta»

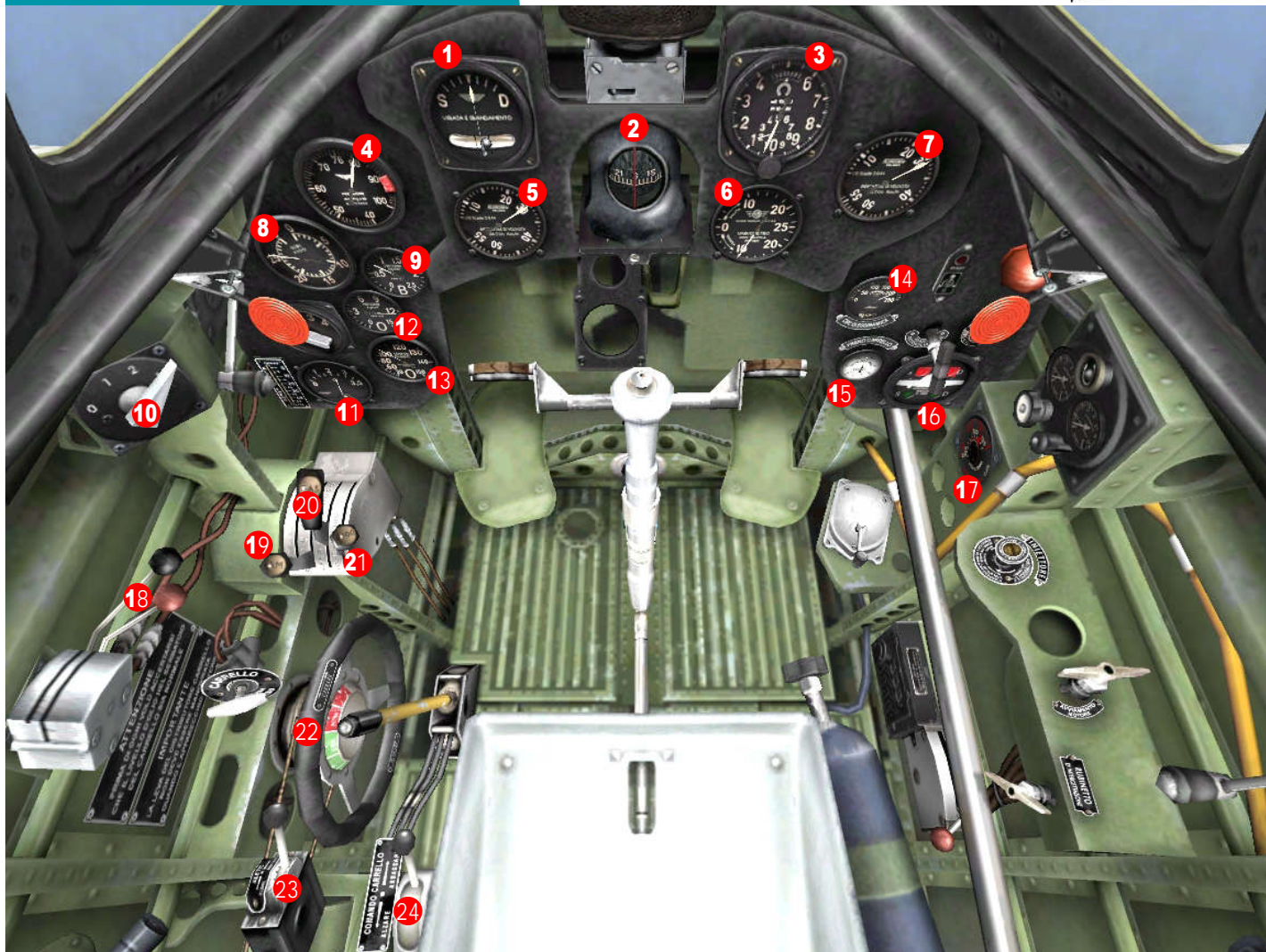


- 1. Turn and bank indicator
- 2. Magnetic compass
- 3. Altimeter
- 4. Manifold pressure gage
- 5. Airspeed indicator
- 6. Variometer
- 7. Airspeed indicator
- 8. Tachometer
- 9. Fuel pressure gage
- 10. Engine ignition switch
- 11. Cylinder head temperature gage
- 12. Oil pressure gage
- 13. Oil temperature gage
- 14. Landing gear control oil pressure gage
- 15. Brake pressure gage
- 16. Landing gear position indicator: green - down
no light - transition
red - up
- 17. Fuel gage
- 18. Radiator levers
- 19. Propeller pitch lever (100% in rear position)
- 20. Throttle (100% in rear position)
- 21. Mixture lever: rear position - richer mixture
front position - leaner mixture
- 22. Elevator trim wheel
- 23. Flaps lever
- 24. Landing gear lever



M.C.200 (<http://www.stormmagazine.com/ReferencePics/MC200/MC200/gra/ale.html>)





- 1. Turn and bank indicator
- 2. Magnetic compass
- 3. Altimeter
- 4. Manifold pressure gage
- 5. Airspeed indicator
- 6. Variometer
- 7. Airspeed indicator
- 8. Tachometer
- 9. Fuel pressure gage
- 10. Engine ignition switch
- 11. Cylinder head temperature gage
- 12. Oil pressure gage
- 13. Oil temperature gage
- 14. Landing gear control oil pressure gage
- 15. Brake pressure gage
- 16. Landing gear position indicator: green - down
no light - transition
red - up
- 17. Fuel gage
- 18. Radiator levers
- 19. Propeller pitch lever (100% in rear position)
- 20. Throttle (100% in rear position)
- 21. Mixture lever: rear position - richer mixture
front position - leaner mixture
- 22. Elevator trim wheel
- 23. Flaps lever
- 24. Landing gear lever



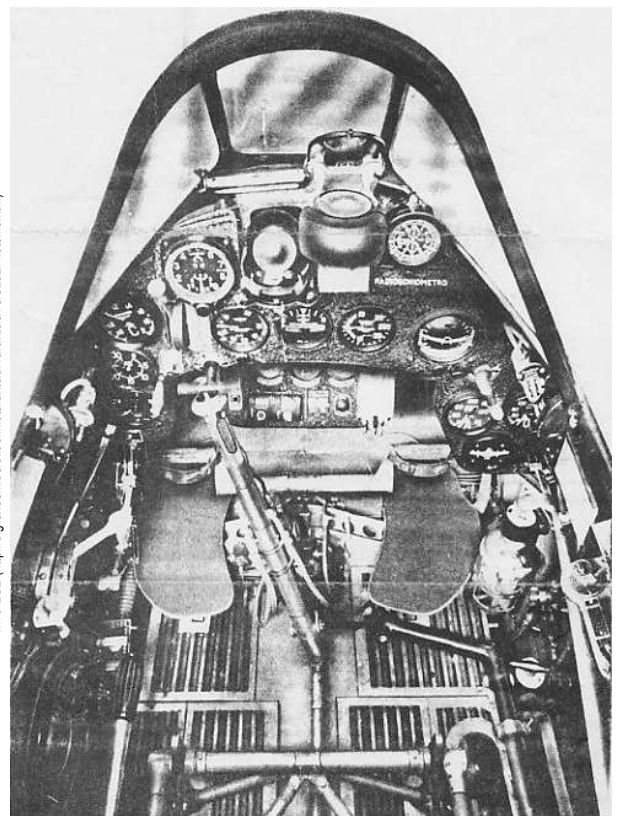
M.C.200 (http://www.57thfightergroup.org/reunions/2008_italy/index.html)





- 1. Altimeter
- 2. Magnetic compass
- 3. Clock
- 4. Manifold pressure gage
- 5. Airspeed indicator
- 6. Turn and bank indicator
- 7. Variometer
- 8. Artificial horizon
- 9. Tachometer
- 10. Oil pressure gage
- 11. Fuel pressure gage
- 12. Fuel gage
- 13. Brake pressure gage
- 14. Landing gear oil pressure gage
- 15. MG air pressure gage
- 16. Coolant temperature gage
- 17. Oil temperature gage
- 18. Throttle (100% in rear position)
- 19. Propeller pitch lever (100% in rear position)
- 20. Engine ignition switch
- 21. Landing gear lever
- 22. Nose MG ammunition counter & warning light
- 23. Wings MG ammunition counter
- 24. Landing gear position indicator: green - down
no light - transition
red - up
- 25. Flaps position indicator
- 26. Flaps lever
- 27. Radiator lever
- 28. Elevator trim wheel

M.C.202 (http://digilander.libero.it/emmanandea/Tarantola/velC202Photofile.htm)





1. Altimeter
2. Magnetic compass
3. Clock
4. Manifold pressure gage
5. Airspeed indicator
6. Turn and bank indicator
7. Variometer
8. Artificial horizon
9. Tachometer
10. Oil pressure gage
11. Fuel pressure gage
12. Brake pressure gage
13. Landing gear oil pressure gage
14. MG air pressure gage
15. Electric generator warning light
16. Coolant temperature gage
17. Oil temperature gage
18. Throttle (100% in rear position)
19. Propeller pitch lever (100% in rear position)
20. Engine ignition switch
21. Landing gear lever
22. Wings weapon ammunition counter & warning light
23. Nose MG ammunition counter & warning light
24. Landing gear position indicator: green - down
no light - transition
red - up
25. Flaps position indicator
26. Flaps lever
27. Fuel gage
28. Radiator lever
29. Elevator trim wheel



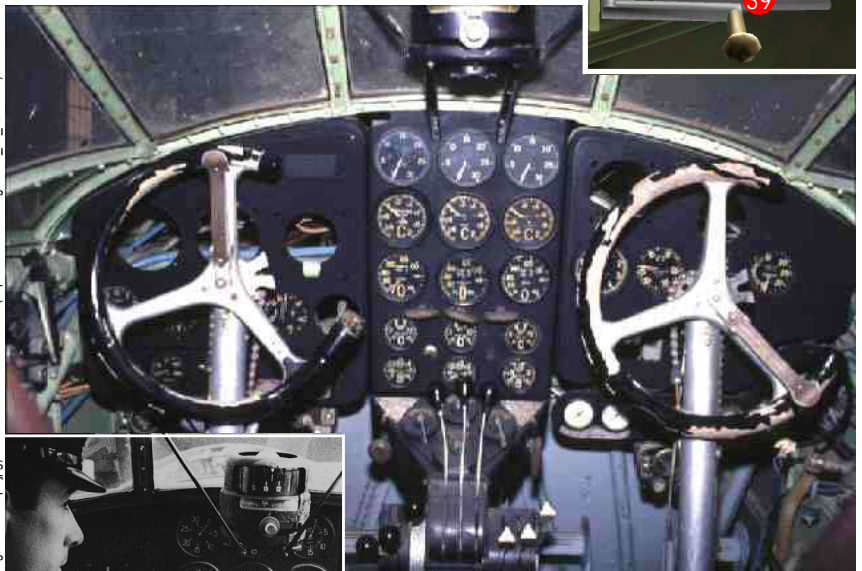
Savoia-Marchetti S.M.79 «Sparviero»



1. Magnetic compass
2. Torpedo sight (only in torpedo configuration)
3. Directional gyro
4. Artificial horizon
5. Fuel gage
6. Altimeter
7. **Variometer**
8. Turn and bank indicator
9. Airspeed indicator
10. Clock
11. Left **engine tachometer**
12. Central engine tachometer
13. Right engine tachometer
14. Left engine manifold pressure gage
15. Central engine manifold pressure gage
16. Right engine manifold pressure gage
17. Left engine oil temperature gage: E needle - Oil-in
U needle - Oil-out
18. Central engine oil temperature gage (as before)
19. Right engine oil temperature gage (as before)
20. Left engine oil pressure gage
21. Central engine oil pressure gage
22. Right engine oil pressure gage
23. Left engine fuel pressure gage
24. Central engine fuel pressure gage
25. Right engine fuel pressure gage
26. Outside air temperature gage
27. Compressed air bottle pressure gage (brakes system)
28. Brakes pressure gage
29. Landing gear position indicator:
green - down and throttle <= 15%
red - up and throttle <= 15%
30. Propellers hydraulic drive pressure gage
31. Landing gear lever
32. Left engine ignition switch
33. Central engine ignition switch

S.M.79 (http://www.ea15.org/Photo_22_S.79.htm)

S.M.79 (http://www.dobecaneso.org/Sm79cockpit.jpg)

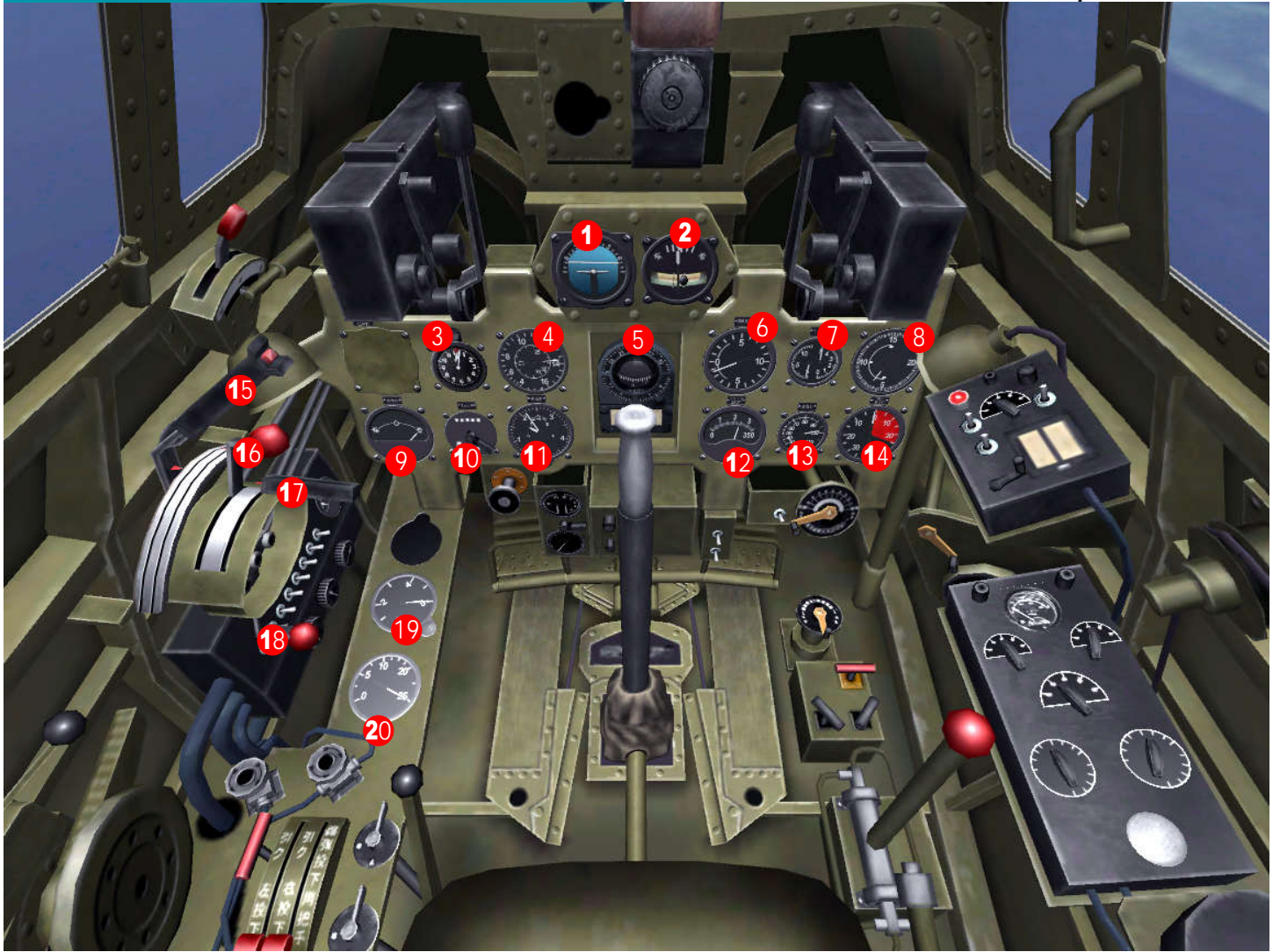


34. Right engine ignition switch
35. Gear brakes lever
36. Mixture levers for left, central & right engines
37. Throttles for left, central & right engines
38. **Propeller two-pitch levers** for left, central & right engines
front position - fine pitch (100 to 50%)
rear position - coarse pitch (0 to 50%)
39. Elevator trim handle & position indicator (located in the ceiling)

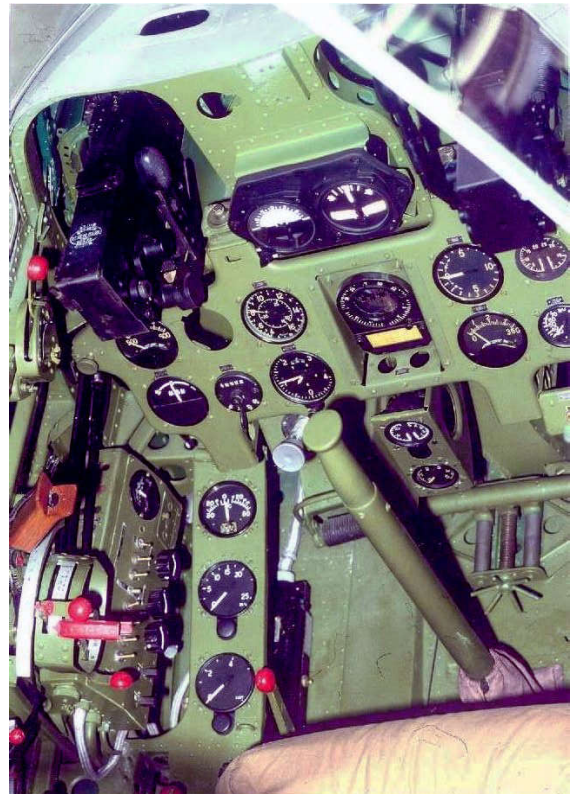


JAPAN





- 1. Artificial horizon
- 2. Turn and bank indicator
- 3. Clock
- 4. Airspeed indicator
- 5. Magnetic compass
- 6. Variometer
- 7. Fuel and oil pressure gage
- 8. Tachometer
- 9. Pilot's Direction Indicator
- 10. Engine ignition switch
- 11. Altimeter
- 12. Cylinder head temperature gage
- 13. Oil temperature gage
- 14. Manifold pressure gage
- 15. Throttle
- 16. Mixture lever: rear position - leaner mixture
front position - richer mixture
- 17. Propeller pitch lever
- 18. Supercharger lever: (on A6M3)
rear position - stage 1
front position - stage 2
- 19. Fuel gage (fuselage tank)
- 20. Fuel gage (wing tanks)

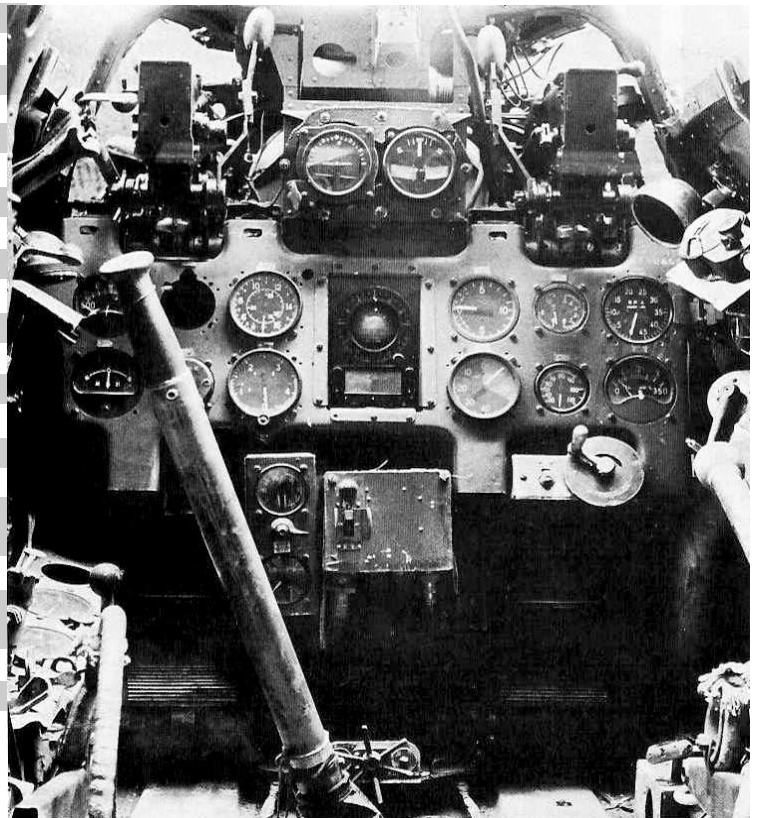


A6M2 (http://www.warbirdphotographs.com/AUZero/AU-19s.jpg)





1. Artificial horizon
2. Turn and bank indicator
3. Exhaust temperature gage
4. Clock
5. Airspeed indicator
6. Magnetic compass
7. Variometer
8. Fuel and oil pressure gage
9. Tachometer
10. Pilot's Direction Indicator
11. Engine ignition switch
12. Altimeter
13. Manifold pressure gage
14. Oil temperature gage
15. Cylinder head temperature gage
16. Throttle
17. Mixture lever: rear position - leaner mixture
front position - richer mixture
18. Propeller pitch lever
19. Supercharger lever: rear position - stage 1
front position - stage 2
20. Fuel gage (fuselage tank)
21. Fuel gage (wing tanks)



A6M5a



Mitsubishi A6M5b / 7-63 Reisen «Zero»



1. Artificial horizon
2. Turn and bank indicator
3. Exhaust temperature gage
4. Clock
5. Airspeed indicator
6. Magnetic compass
7. Variometer
8. Fuel and oil pressure gage
9. Tachometer
10. Pilot's Direction Indicator
11. Engine ignition switch
12. Altimeter
13. Manifold pressure gage
14. Oil temperature gage
15. Cylinder head temperature gage
16. Throttle
17. Mixture lever: rear position - leaner mixture
front position - richer mixture
18. Propeller pitch lever
19. Supercharger lever: rear position - stage 1
front position - stage 2
20. Fuel gage (fuselage tank)
21. Fuel gage (wing tanks)



AIMS (http://hubpages.com/hub/World-War-2-Best-Fighter-Planes)





1. Water-methanol (ADI) tank gage
2. Artificial horizon
3. Turn and bank indicator
4. Exhaust temperature gage
5. Clock
6. Airspeed indicator
7. Magnetic compass
8. Variometer
9. Fuel and oil pressure gage
10. Tachometer
11. Pilot's Direction Indicator
12. Engine ignition switch
13. Altimeter
14. Manifold pressure gage
15. Oil temperature gage
16. Cylinder head temperature gage
17. Throttle
18. Mixture lever: rear position - leaner mixture
front position - richer mixture
19. Propeller pitch lever
20. Supercharger lever: rear position - stage 1
front position - stage 2
21. Fuel gage (fuselage tank)
22. Fuel gage (wing tanks)



A6M7 (http://www.j-aircraft.com/walk/masataka_Kumamoto/A6M7/a6m7_walkaround.html)



Aichi D3A1 «Val»



1. Airspeed indicator
2. Turn and bank indicator
3. Altimeter
4. Artificial horizon
5. Variometer
6. Clock
7. Repeater **compass** (upper half)
Magnetic compass (lower half)
8. **Magnetic compass**
9. **Fuel and oil pressure** gage
10. **Oil temperature** gage
11. Pilot's **Direction Indicator**
12. **Manifold pressure** gage
13. **Tachometer**
14. **Fuel Air ratio** gage
15. **Cylinder head temperature** gage
16. **Throttle**
17. **Propeller pitch** lever
18. **Mixture** lever: **rear position - leaner mixture**
front position - richer mixture
19. **Fuel gage** (wing tanks)
20. **Fuel gage** (fuselage tank)



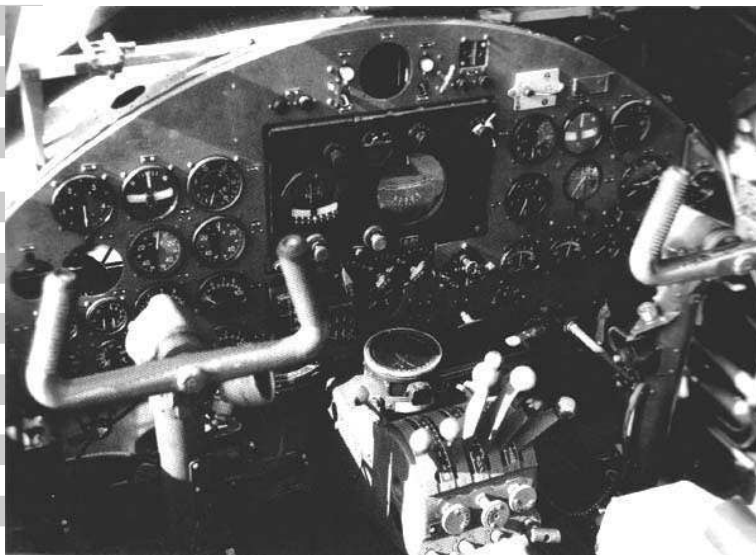
D3A1 (<http://gunsight.jp/b/index.htm>)



Mitsubishi G4M1-11 «Betty»



- 1. Clock
- 2. Altimeter
- 3. Turn and bank indicator
- 4. Airspeed indicator
- 5. Tachometers for left/right engine
- 6. Manifold pressure gages for left/right engine
- 7. Fuel and oil pressure gages for left/right engine
- 8. Exhaust temperature gages for left/right engine
- 9. Oil temperature gages for left/right engine
- 10. Cylinder head temperature gages for left/right engine
- 11. Mixture levers for left/right engine
- 12. Throttles for left/right engine
- 13. Propeller pitch levers for left/right engine
- 14. Magnetic induction compass
- 15. Magnetic compass
- 16. Autopilot directional gyro & bank indicator
- 17. Autopilot artificial horizon
- 18. Landing gear & flaps position indicator: green - down
no light - in transition
red - up



G4M1 (<http://www.airwar.ru/aww2.html>)

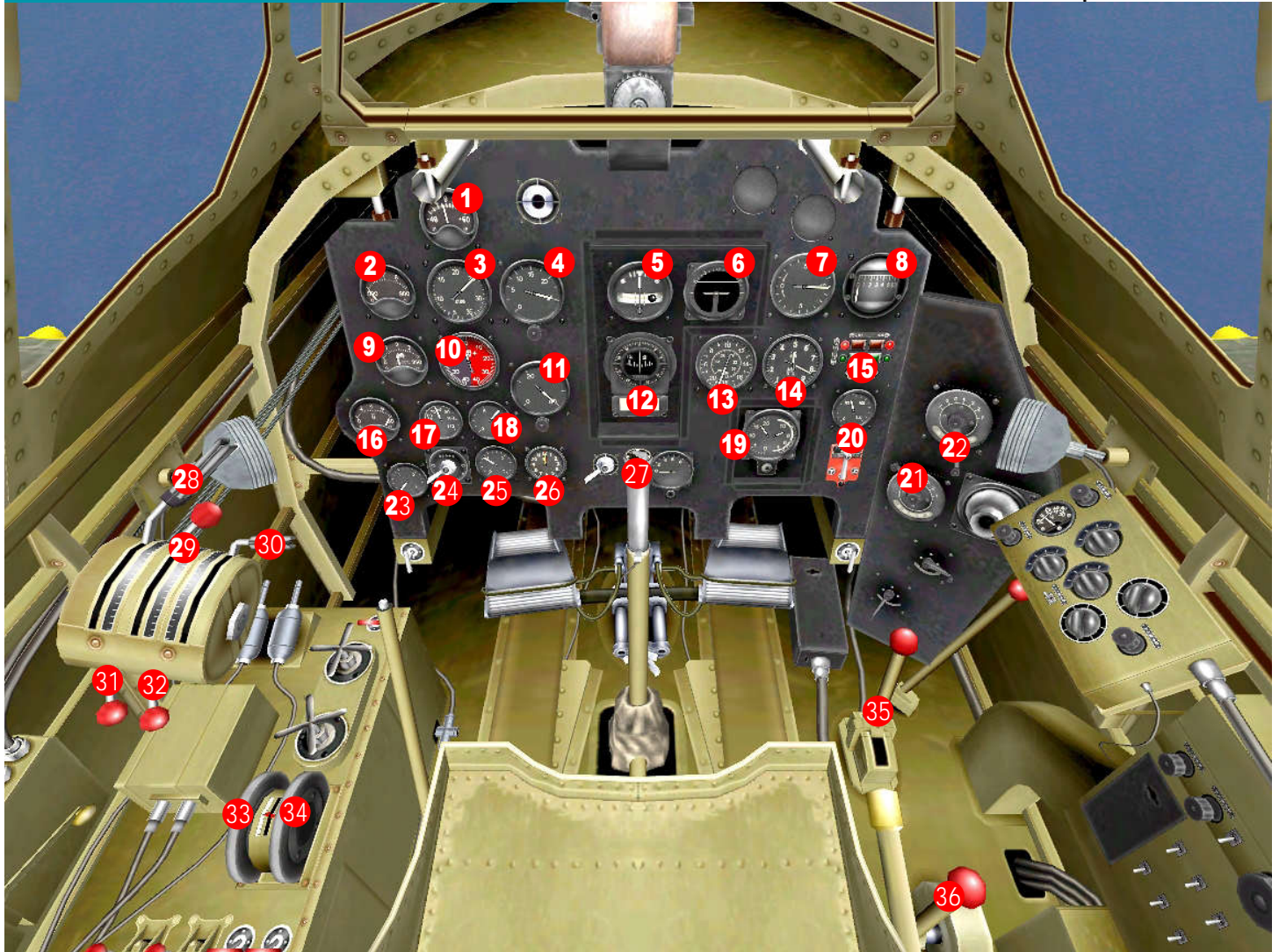
- 19. Airspeed indicator
- 20. Turn and bank indicator
- 21. Variometer
- 22. Altimeter
- 23. Magnetic compass
- 24. Artificial horizon
- 25. Free air temperature gages for left/right engine
- 26. Flaps position indicator
- 27. Variometer
- 28. Fuel gage (left wing outboard & inboard tank, fuselage tank,
right wing outboard & inboard tank)



G4M1 (<http://gunsight.jp/b/index.htm>)



Mitsubishi J2M3 Raiden «Jack»



- 1. Free air temperature gage
- 2. Exhaust temperature gage
- 3. Tachometer
- 4. Fuel gage
- 5. Turn and bank indicator
- 6. Artificial horizon
- 7. Variometer
- 8. Flaps position indicator
- 9. Cylinder head temperature gage
- 10. Manifold pressure gage
- 11. Fuel gage
- 12. Magnetic compass
- 13. Airspeed indicator
- 14. Altimeter
- 15. Landing gear position indicator: green - down
no light - transition
red - up
- 16. Water (ADI) quantity gage
- 17. Oil temperature gage
- 18. Oil pressure gage
- 19. Oxygen system gage
- 20. Hydraulic pressure gage
- 21 & 22. Radiator handles
- 23. Water (ADI) pressure gage
- 24. Engine ignition switch
- 25. Fuel pressure gage
- 26. Clock
- 27. Flaps switch
- 28. Throttle
- 29. Mixture lever
- 30. Propeller pitch lever
- 31. Supercharger lever
- 32. Boost lever
- 33. Elevator trim wheel & indicator
- 34. Rudder trim wheel & indicator

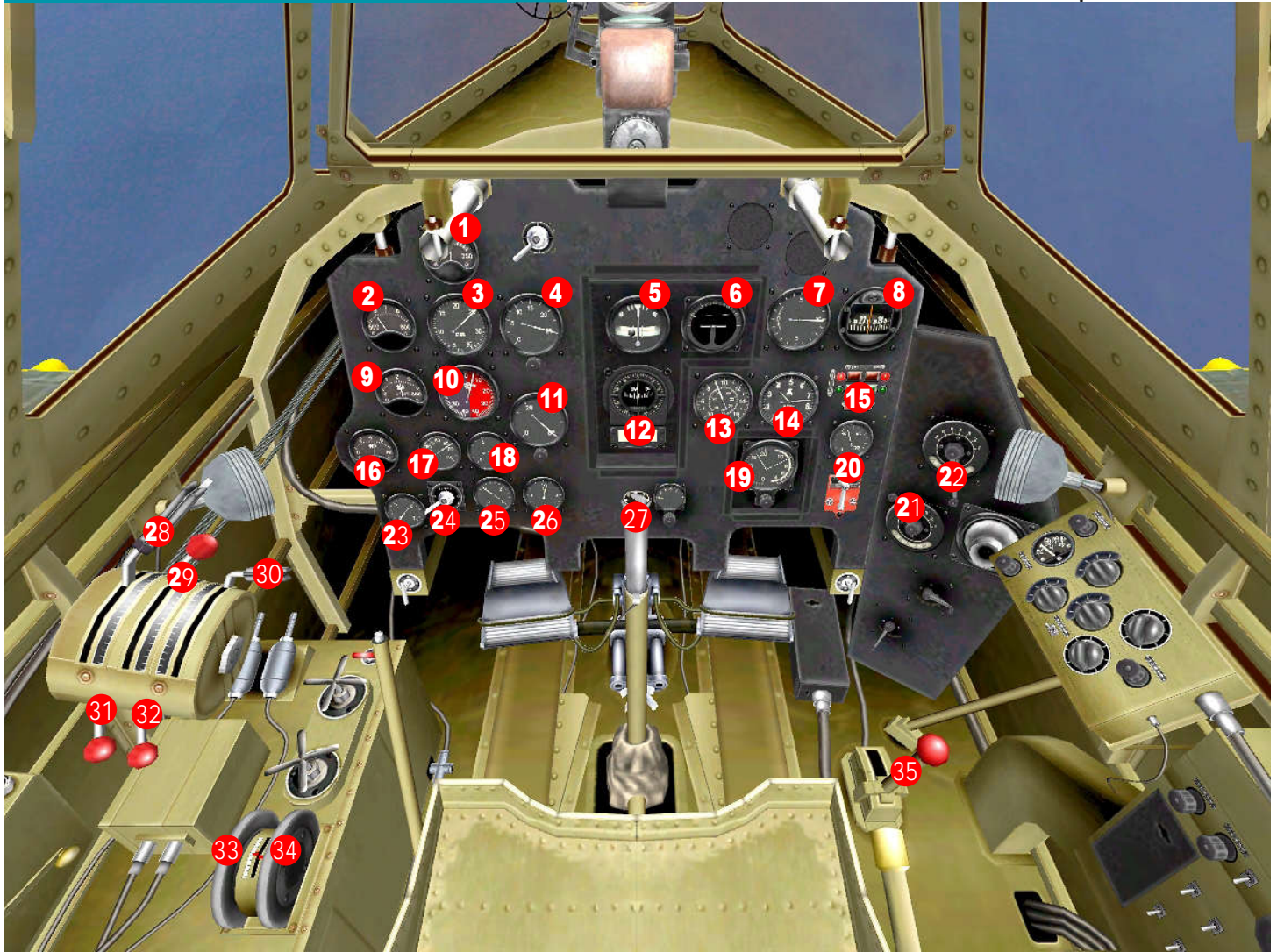


J2M3 (<http://gunsight.jp/b/index.htm>)

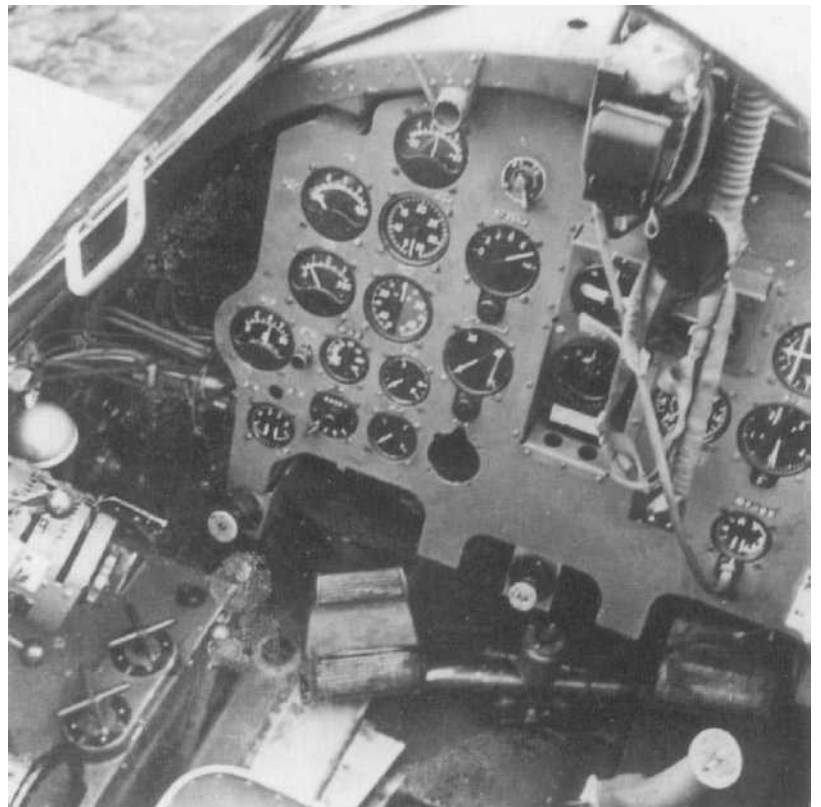
35 & 36. Landing gear levers



Mitsubishi J2M5 Raiden «Jack»



1. Free air temperature gage
2. Exhaust temperature gage
3. Tachometer
4. Fuel gage
5. Turn and bank indicator
6. Artificial horizon
7. Variometer
8. Magnetic compass
9. Cylinder head temperature gage
10. Manifold pressure gage
11. Fuel gage
12. Magnetic compass
13. Airspeed indicator
14. Altimeter
15. Landing gear position indicator: green - down
no light - transition
red - up
16. Water (ADI) quantity gage
17. Oil temperature gage
18. Oil pressure gage
19. Oxygen system gage
20. Hydraulic pressure gage
- 21 & 22. Radiator handles
23. Water (ADI) pressure gage
24. Engine ignition switch
25. Fuel pressure gage
26. Clock
27. Flaps switch
28. Throttle
29. Mixture lever
30. Propeller pitch lever
31. Supercharger lever
32. Boost lever
33. Elevator trim wheel & indicator
34. Rudder trim wheel & indicator

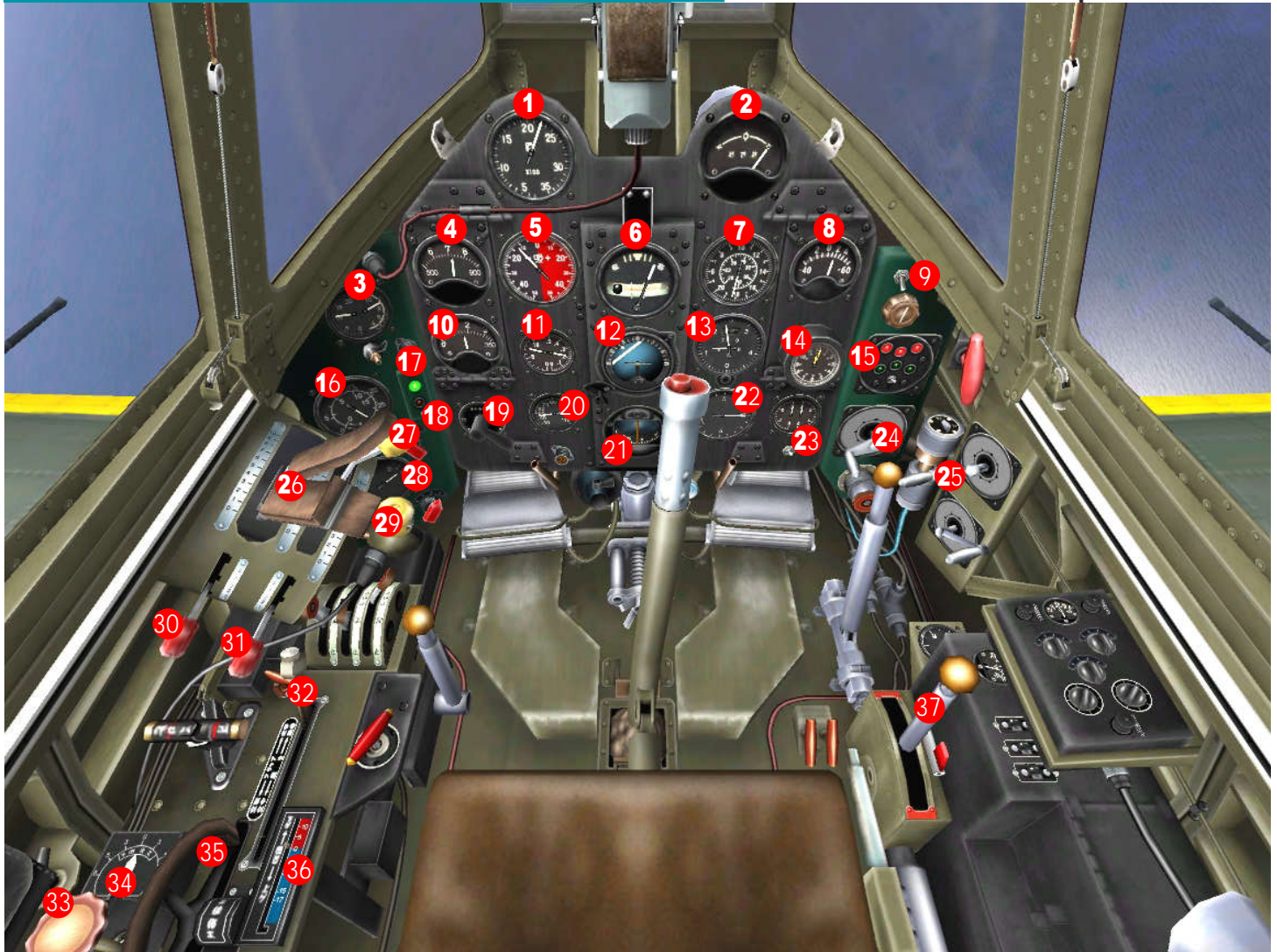


J2M5 (http://www.warbirdphotographs.com/Navy_IB&W/2/J2M1-34s.jpg)

35. Landing gear lever



Kawanishi N1K2-JA Shiden Kai «George»



1. Tachometer

2. Pilot's Direction Indicator

3. Oxygen system gage

4. Exhaust temperature gage

5. Manifold pressure gage

6. Turn and bank indicator

7. Airspeed indicator

8. Free air temperature gage

9. Instrument light switch

10. Cylinder head temperature gage

11. Oil & fuel pressure gage

12. Artificial horizon

13. Altimeter

14. Clock

15. Landing gear position:
green - down
indicator no light - transition
red - up

16. Fuel gage (fuselage tank)

17. Operational fuel level indicator light

18. Low fuel warning light

19. Engine ignition switch

20. Oil temperature gage

21. Magnetic compass

22. Variometer

23. Water-methanol (ADI) pressure gage

24 & 25. Radiator handles

26. Throttle

27. Propeller pitch lever

28. Fuel gage (wing tanks)

29. Mixture lever

30 & 31. Supercharger levers

32. Flaps lever

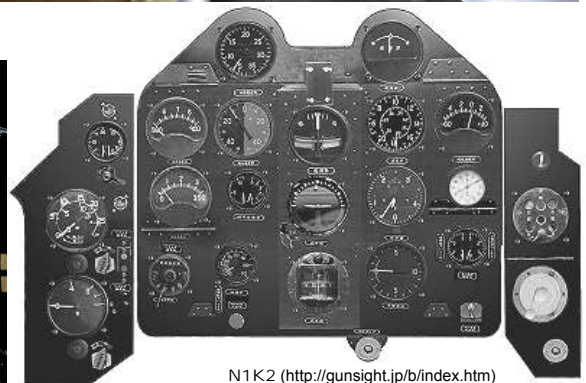
33. Rudder trim wheel

34. Rudder trim indicator

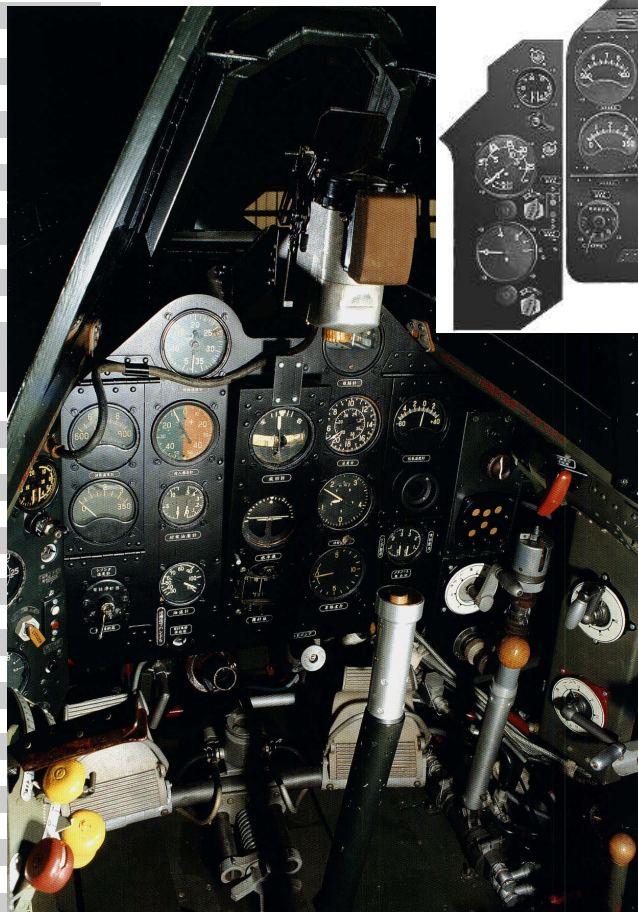
35. Elevator trim wheel

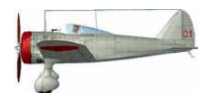
36. Elevator trim indicator

37. Landing gear lever



N1K2 (<http://gunsight.jp/b/index.htm>)





1. Airspeed indicator
2. Radiator handle
3. Turn and bank indicator
4. Variometer
5. Oil pressure gage
6. Oil temperature gage
7. Tachometer
8. Manifold pressure gage
9. Magnetic compass
10. Altimeter
11. Fuel pressure gage
12. Coolant temperature gage
13. Engine ignition switch
14. Clock
15. Fuel gage
16. Throttle
17. Flaps handle
18. Elevator trim lever

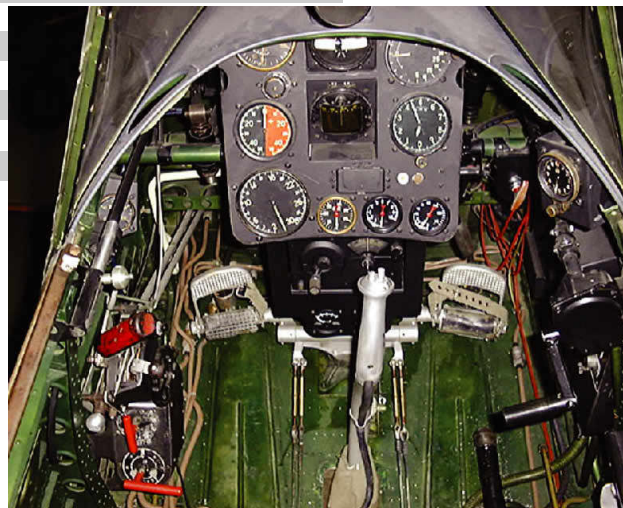


Ki-27 (<http://gunsight.jp/b/index.htm>)

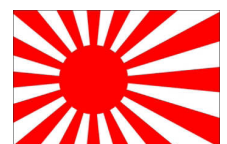




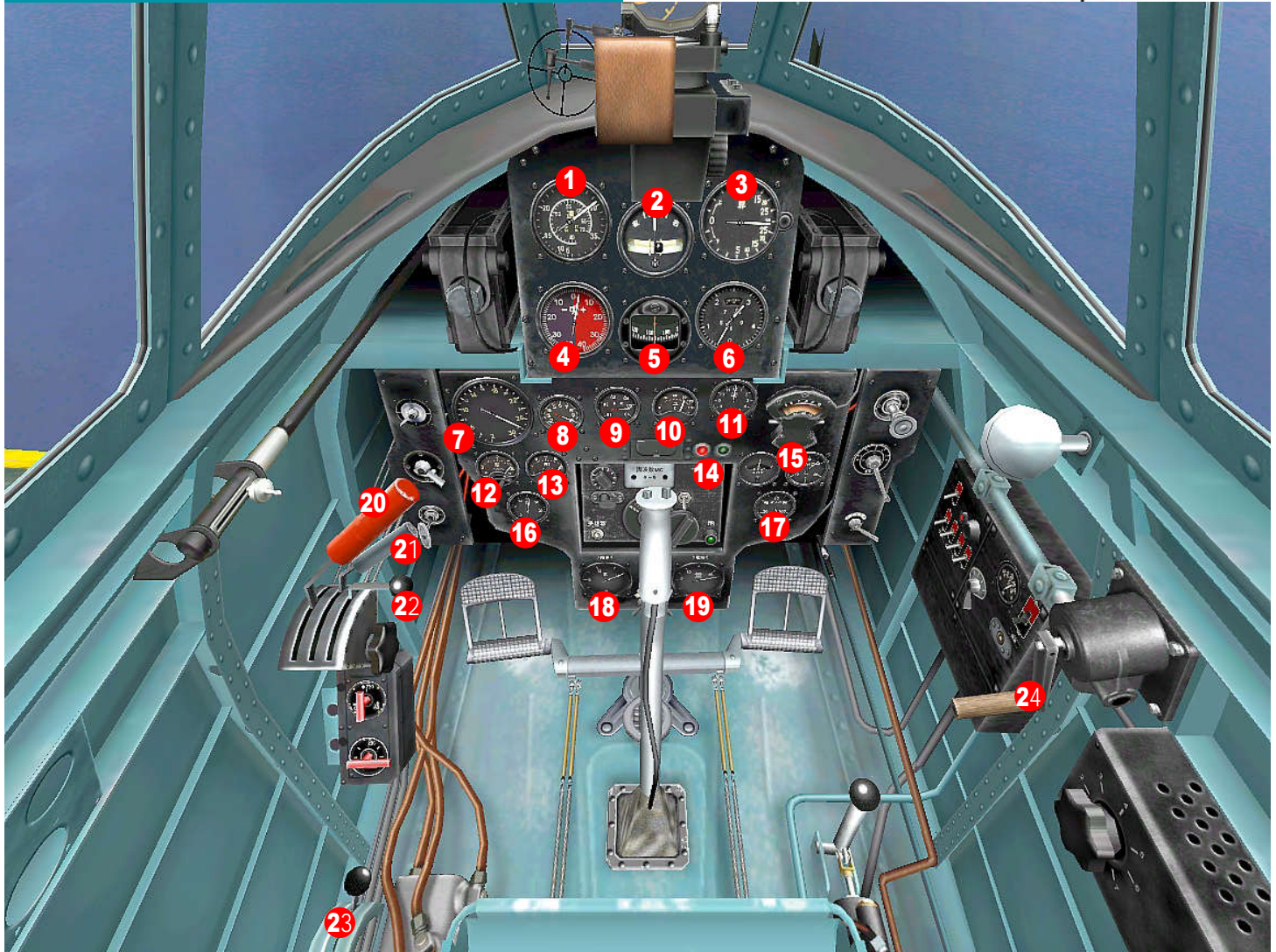
1. Airspeed indicator
2. Turn and bank indicator
3. Variometer
4. Manifold pressure gage
5. Magnetic compass
6. Altimeter
7. Landing gear position indicator: green - up
no light - in transition
red - down
8. Tachometer
9. Fuel pressure gage
10. Oil pressure gage
11. Oil temperature gage
12. Cylinder head temperature gage
13. Exhaust temperature gage
14. Throttle
15. Propeller pitch lever
16. Mixture lever
17. Radiator handle
18. Fuel gage (front)
19. Fuel gage (rear)



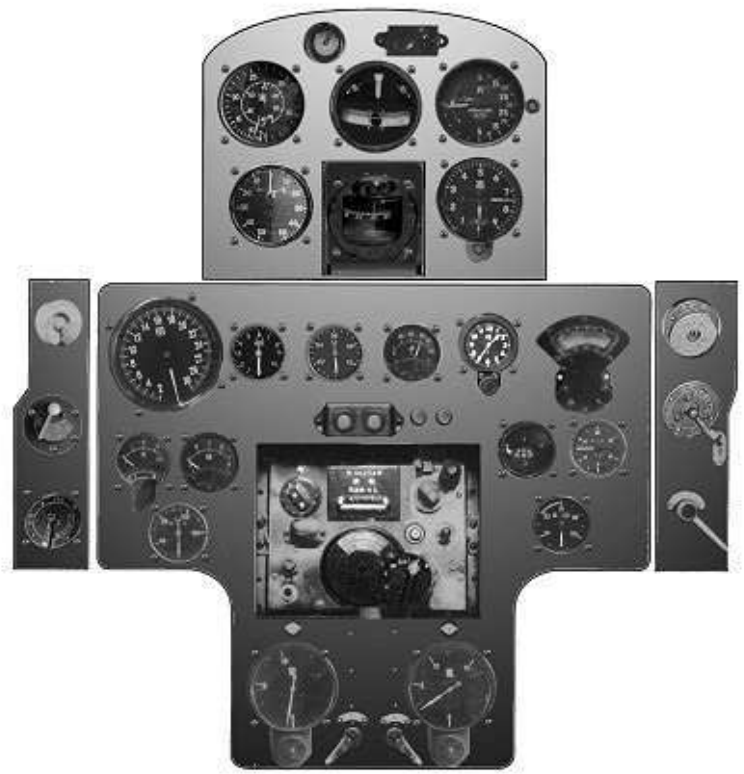
Ki-43 (<http://gunsight.jp/b/index.htm>)



Nakajima Ki-43-II Hayabusa «Oscar»



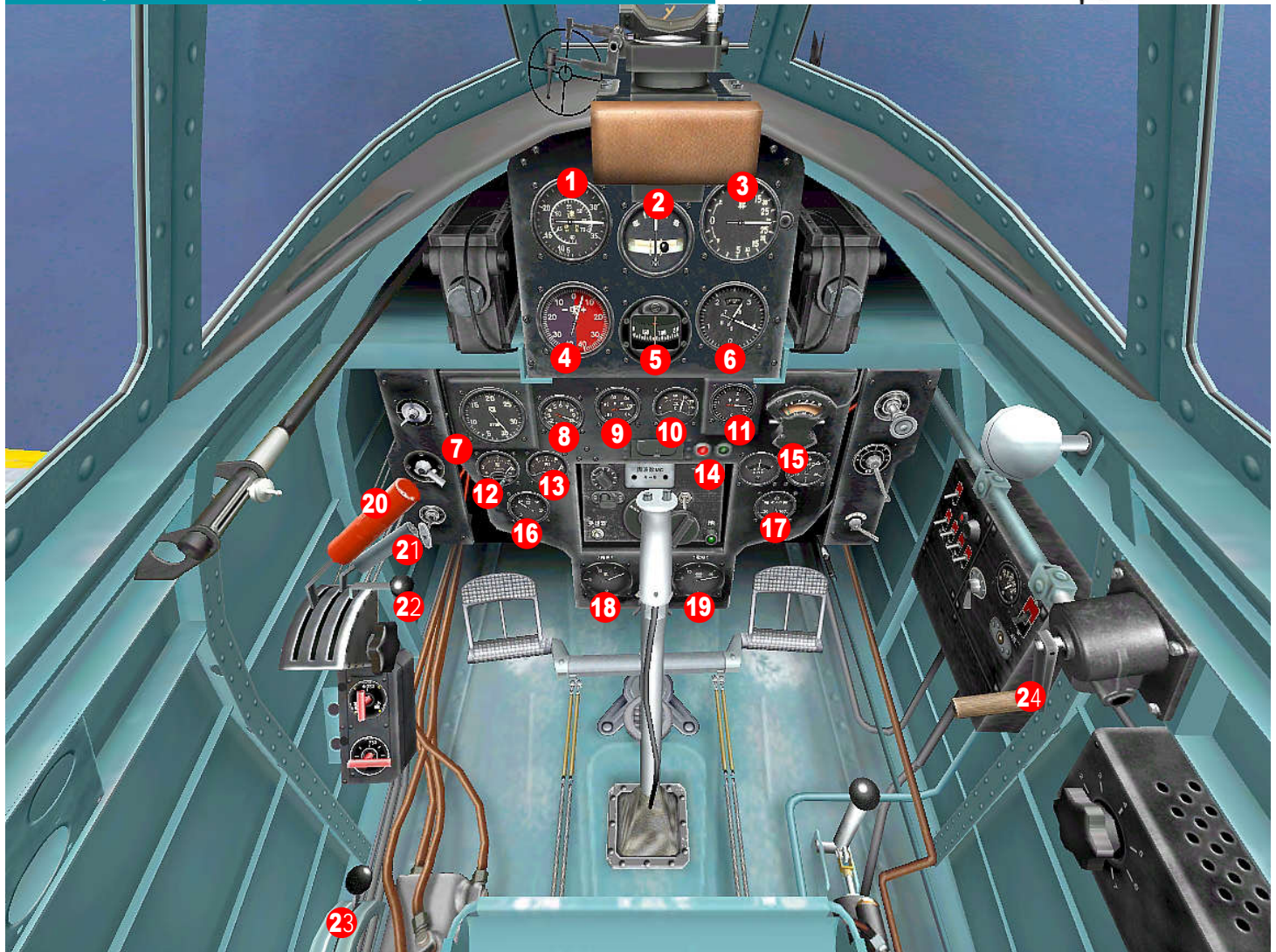
1. Airspeed indicator
2. Turn and bank indicator
3. Variometer
4. Manifold pressure gage
5. Magnetic compass
6. Altimeter
7. Tachometer
8. Oil pressure gage
9. Fuel pressure gage
10. Oil temperature gage
11. Clock
12. Cylinder head temperature gage
13. Exhaust temperature gage
14. Landing gear position indicator: green - down
no light - transition
red - up
15. Oxygen system gages (3)
16. Gun pressure gage
17. Hydraulic pressure gage
18. Fuel gage (front tank)
19. Fuel gage (rear tank)
20. Throttle
21. Propeller pitch lever
22. Mixture lever
23. Flaps lever
24. Radiator handle



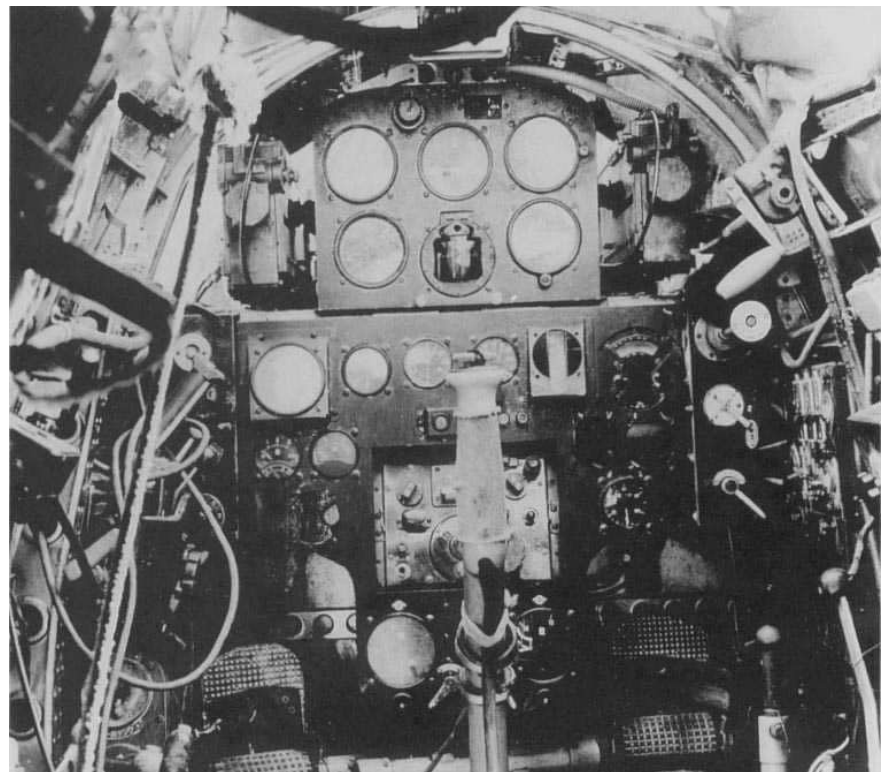
Ki-43-II (<http://gunsight.jp/b/index.htm>)



Nakajima Ki-43-II Kai Hayabusa «Oscar»

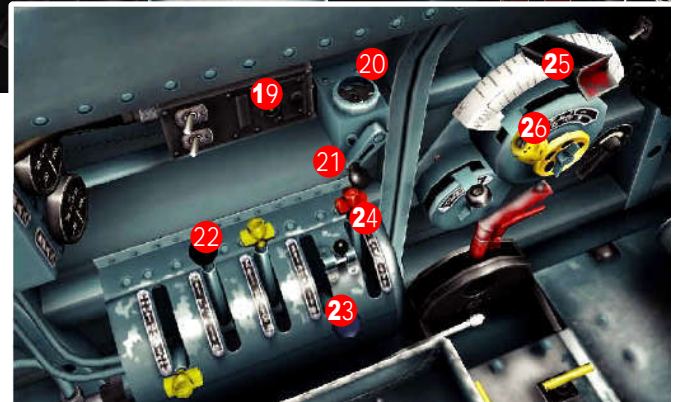


1. Airspeed indicator
2. Turn and bank indicator
3. Variometer
4. Manifold pressure gage
5. Magnetic compass
6. Altimeter
7. Tachometer
8. Oil pressure gage
9. Fuel pressure gage
10. Oil temperature gage
11. Clock
12. Cylinder head temperature gage
13. Exhaust temperature gage
14. Landing gear position indicator: green - down
no light - transition
red - up
15. Oxygen system gages (3)
16. Gun pressure gage
17. Hydraulic pressure gage
18. Fuel gage (front tank)
19. Fuel gage (rear tank)
20. Throttle
21. Propeller pitch lever
22. Mixture lever
23. Flaps lever
24. Radiator handle



Ki-43 II Kai (<http://www.warbirdphotographs.com/ArmyJB&W3/Ki-43-Cockpit-112.jpg>)





1. Turn and bank indicator
2. Variometer
3. Airspeed indicator
4. Magnetic compass
5. Altimeter
6. Clock
7. Free air temperature gage
8. Manifold pressure gage
9. Exhaust temperature gage
10. Tachometer
11. Coolant temperature gage
12. Oil temperature gage
13. Oil pressure gage
14. Fuel pressure gage
15. Flaps position indicator
16. Radiator position indicator
17. Landing gear position indicator: green - up
no light - in transition
red - down
18. Fuel gage
19. External weapons indicator light
20. Elevator trim indicator
21. Elevator trim lever
22. Flaps lever
23. Radiator lever
24. Landing gear lever
25. Throttle
26. Propeller pitch lever



Nakajima Ki-84-1a Hayate «Frank»



1. Turn and bank indicator
2. Artificial horizon
3. Variometer
4. Airspeed indicator
5. Magnetic compass
6. Altimeter
7. Tachometer
8. Manifold pressure gage
9. Clock
10. Engine ignition switch
11. Landing gear position indicator: green - down
no light - transition
red - up
12. Cylinder head temperature gage
13. Exhaust temperature gage
14. Oil temperature gage
15. Oil pressure gage
16. Fuel pressure gage
17. Water-methanol (ADI) pressure gage
18. Fuel gage with integrated low fuel warning light
19. Propeller pitch lever
20. Mixture lever: rear position - leaner mixture
front position - richer mixture
21. Throttle
22. Landing gear lever
23. Flaps lever
24. Position lights switch
25. Landing light switch
26. Instrument light switch
- 27 & 28. Radiators levers



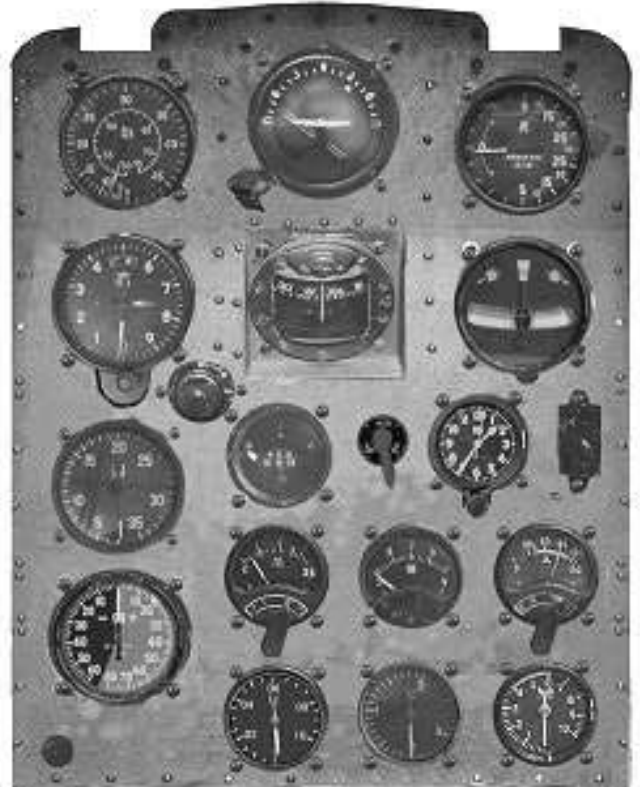
Ki-84-1a (<http://gunsight.jp/b/index.htm>)



Nakajima Ki-84-Ib / Ic Hayate «Frank»



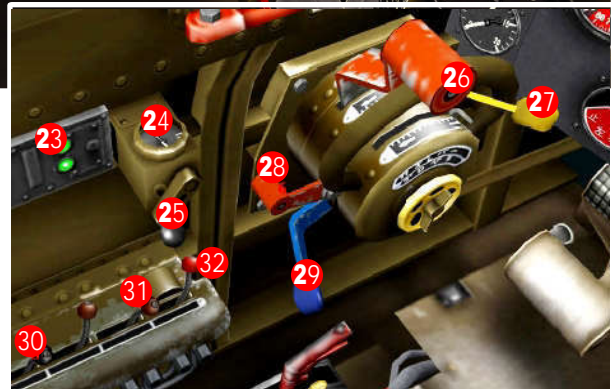
- 1. Airspeed indicator
- 2. Artificial horizon
- 3. Variometer
- 4. Altimeter
- 5. Magnetic compass
- 6. Turn and bank indicator
- 7. Tachometer
- 8. Clock
- 9. Engine ignition switch
- 10. Landing gear **position indicator: green - down
no light - transition
red - up**
- 11. Manifold pressure gage
- 12. Cylinder head temperature gage
- 13. Exhaust temperature gage
- 14. Oil temperature gage
- 15. Fuel pressure gage
- 16. Water-methanol (ADI) pressure gage
- 17. Oil pressure gage
- 18. **Fuel gage with integrated low fuel warning light**
- 19. Propeller pitch lever
- 20. **Mixture lever: rear position - leaner mixture
front position - richer mixture**
- 21. Throttle
- 22. Landing gear lever
- 23. **Flaps lever**
- 24. Position lights switch
- 25. Landing light switch
- 26. Instrument light switch
- 27 & 28. **Radiators levers**



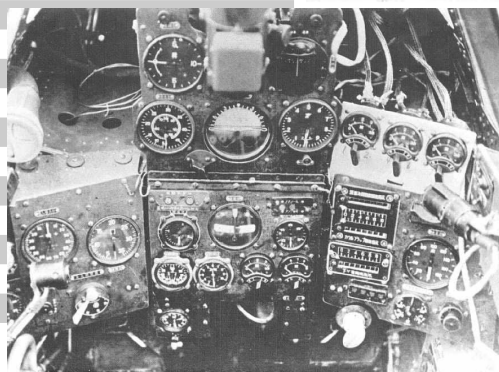
Ki-84-Ib (<http://gunsight.jp/b/index.htm>)



Kawasaki Ki-100-I-Ko Hien Type 5 «Tony»



- 1. **Variometer**
- 2. **Magnetic compass**
- 3. Airspeed indicator
- 4. Artificial horizon
- 5. Altimeter
- 6. Manifold pressure gage
- 7. Tachometer
- 8. Water-methanol (ADI) pressure gage
- 9. Turn and bank indicator
- 10. Fuel pressure gage
- 11. Flaps position indicator
- 12. Radiator position indicator
- 13. Fuel gage with integrated low fuel warning light
- 14. Gun pressure gage
- 15. Engine ignition switch
- 16. Oil pressure gage
- 17. Oil temperature gage
- 18. Cylinder head temperature gage
- 19. Exhaust **temperature gage**
- 20. Landing gear position indicator: green - up
no light - in transition
red - down
- 21. Clock
- 22. Magnetic compass
- 23. External weapons indicator light
- 24. Elevator trim indicator
- 25. **Elevator trim** lever
- 26. Throttle
- 27. Propeller pitch lever
- 28. Mixture lever
- 29. **Boost lever**
- 30. **Flaps lever**
- 31. **Radiator lever**
- 32. Landing gear lever



Ki-100 (http://www.warbirdphotographs.com/Army_IBA/Ki-100-35s.jpg)

Ki-100 (http://gunsight.jp/b/index.htm)



POLAND

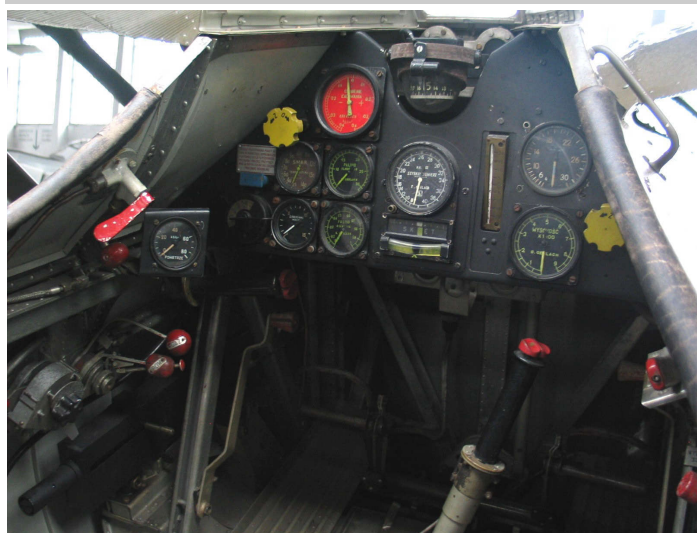




1. Magnetic compass
2. Manifold pressure gage
3. Airspeed indicator
4. Pitch inclinometer
5. Tachometer
6. Oil-in temperature gage
7. Fuel pressure gage
8. Engine oil temperature gage
9. Oil pressure gage
10. Turn and bank indicator
11. Altimeter
12. Clock
13. Throttle



P11 (<http://img379.imageshack.us/my.php?image=100085th9.jpg>)

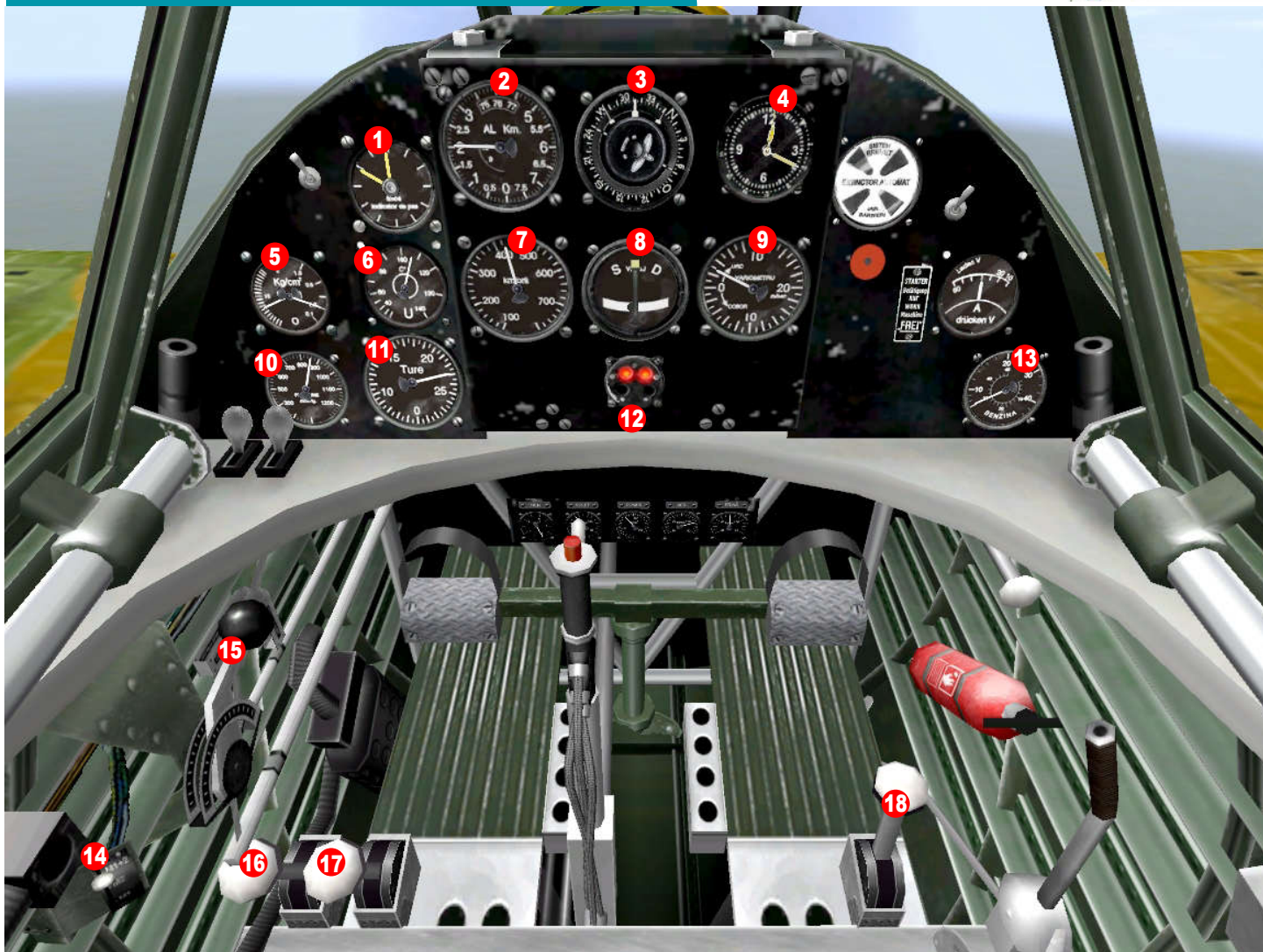


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ROMANIA

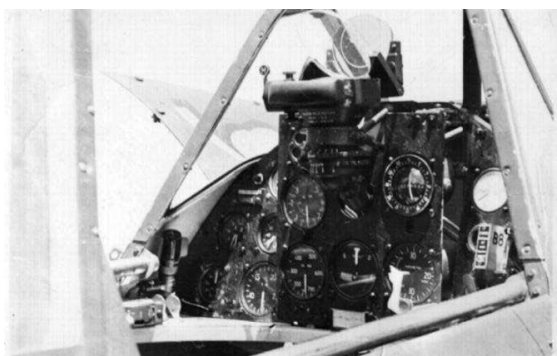


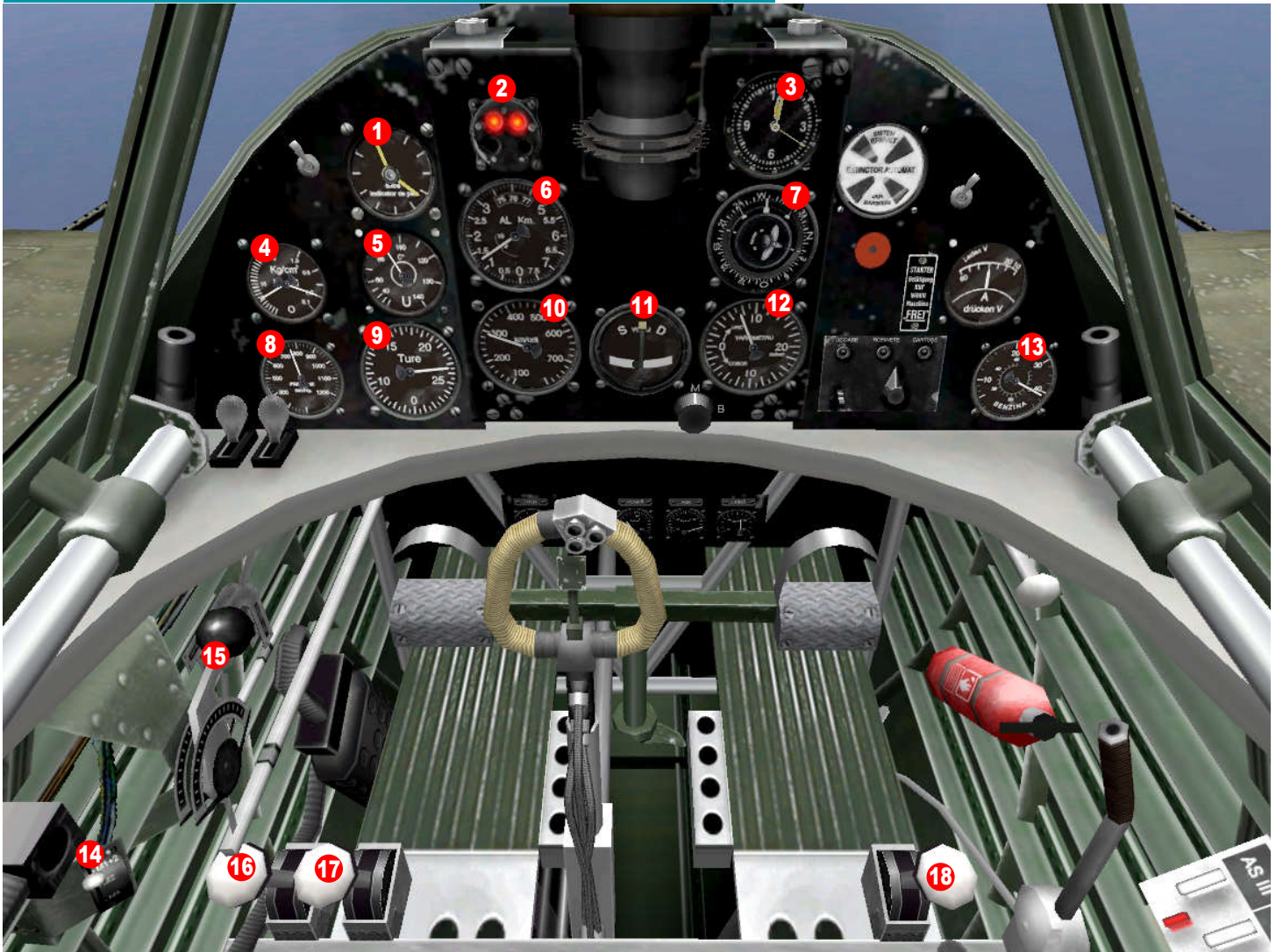


- 1. Propeller pitch indicator
- 2. Altimeter
- 3. Repeater compass
- 4. Clock
- 5. Fuel and oil pressure gage
- 6. Oil temperature gage
- 7. Airspeed indicator
- 8. Turn and bank indicator
- 9. Variometer
- 10. Manifold pressure gage
- 11. Tachometer
- 12. Landing gear position indicator: green - down
no light - transition
red - up
- 13. Fuel gage
- 14. Engine ignition switch
- 15. Throttle
- 16. Flaps lever
- 17. Landing gear lever
- 18. Radiator lever



IAR 80 (<http://www.rcgroups.com/forums/showthread.php?t=446637&page=11>)

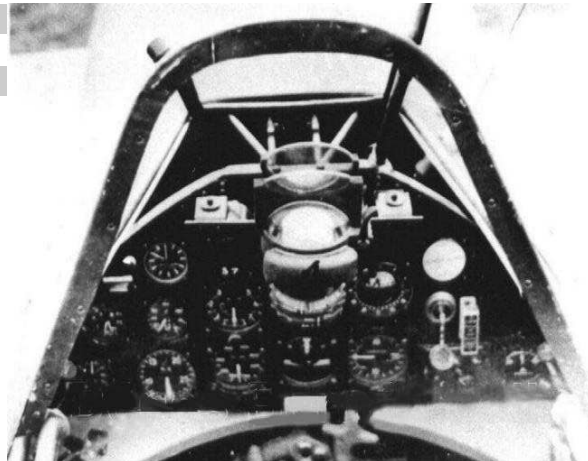




- 1. Propeller pitch indicator
- 2. Landing gear position indicator: green - down
no light - transition
red - up
- 3. Clock
- 4. Fuel and oil pressure gage
- 5. Oil temperature gage
- 6. Altimeter
- 7. Repeater compass
- 8. Manifold pressure gage
- 9. Tachometer
- 10. Airspeed indicator
- 11. Turn and bank indicator
- 12. Variometer
- 13. Fuel gage
- 14. Engine ignition switch
- 15. Throttle
- 16. Flaps lever
- 17. Landing gear lever
- 18. Radiator lever



IAR 81 (<http://www.rcgroups.com/forums/showthread.php?t=446637&page=11>)





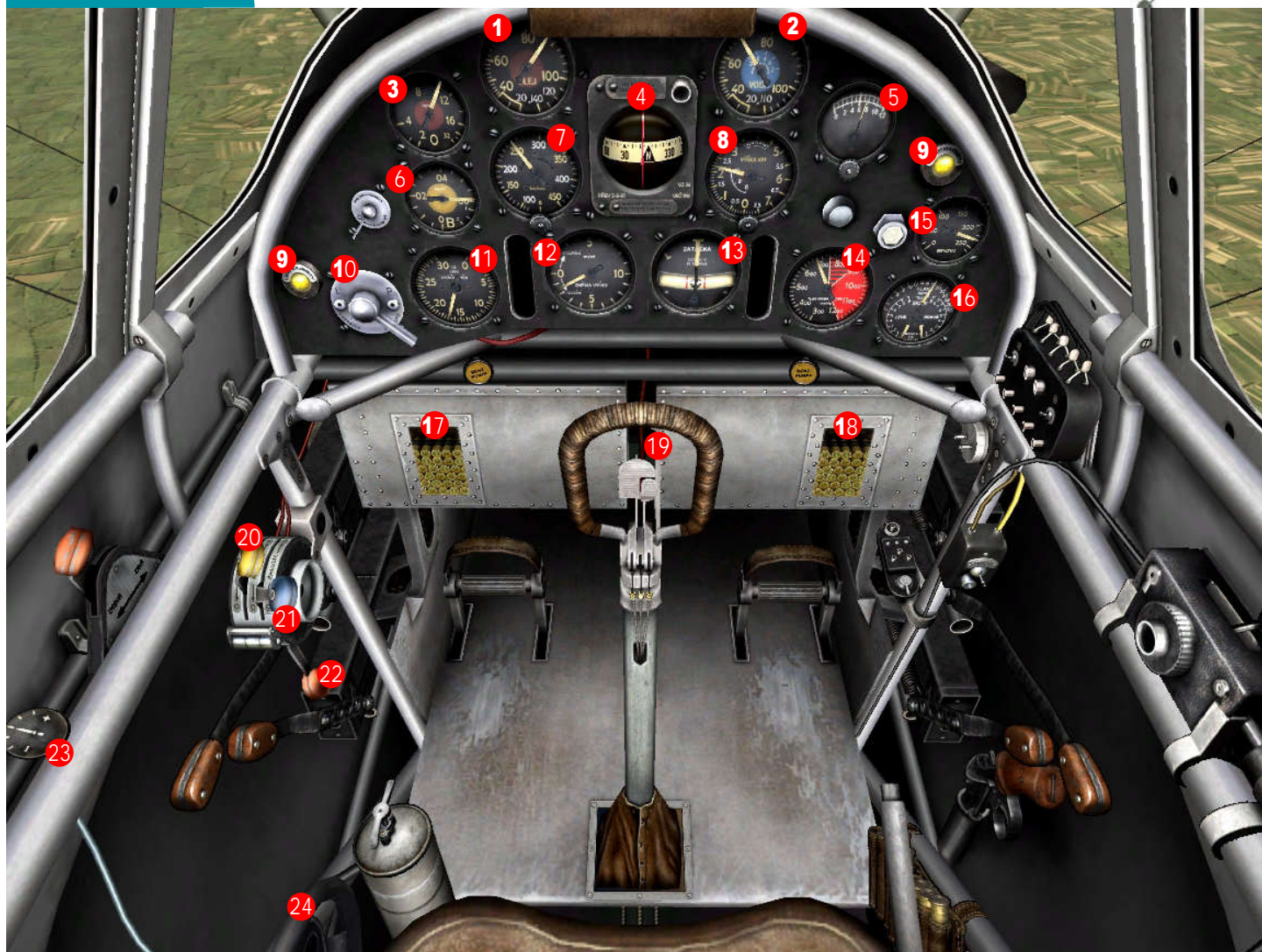
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SLOVAKIA

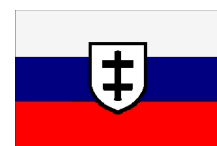


CZECHOSLOVAKIA





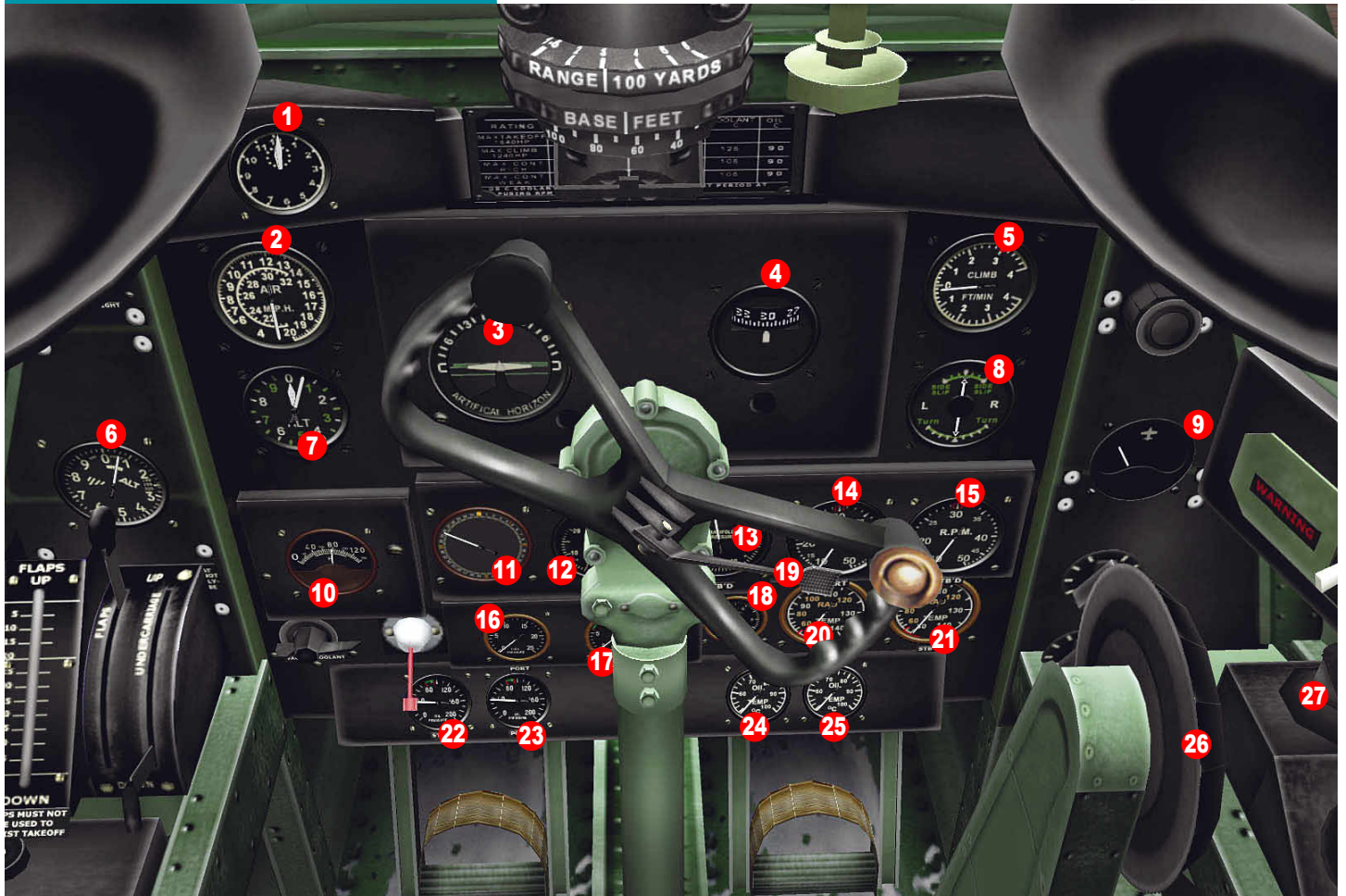
1. Oil temperature gage
2. Coolant temperature gage
3. Oil pressure gage
4. Magnetic compass
5. Oxygen pressure gage
6. Fuel pressure gage
7. Airspeed indicator
8. Altimeter
9. MG charged indicator lights
10. Engine ignition switch
11. Tachometer
12. Variometer
13. Turn and bank indicator
14. Manifold pressure gage
15. Fuel gage
16. Brakes triple pressure gage:
storage cylinder (top)
left & right brakes (bottom)
17. Left lower MG ammunition box
18. Right lower MG ammunition box
19. Gear brakes lever
20. Throttle (100% in rear position)
21. Mixture lever: rear pos. - richer
front pos. - leaner
22. Radiator lever
23. Elevator trim indicator
24. Elevator trim wheel



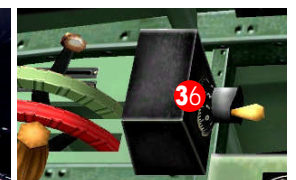
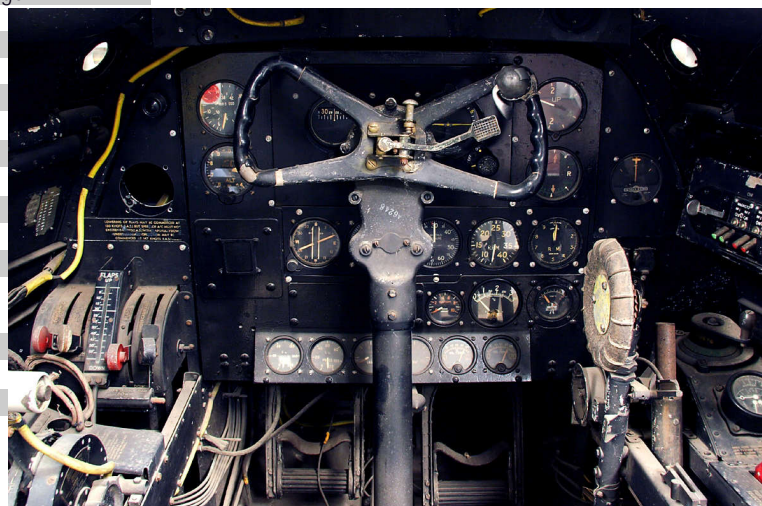
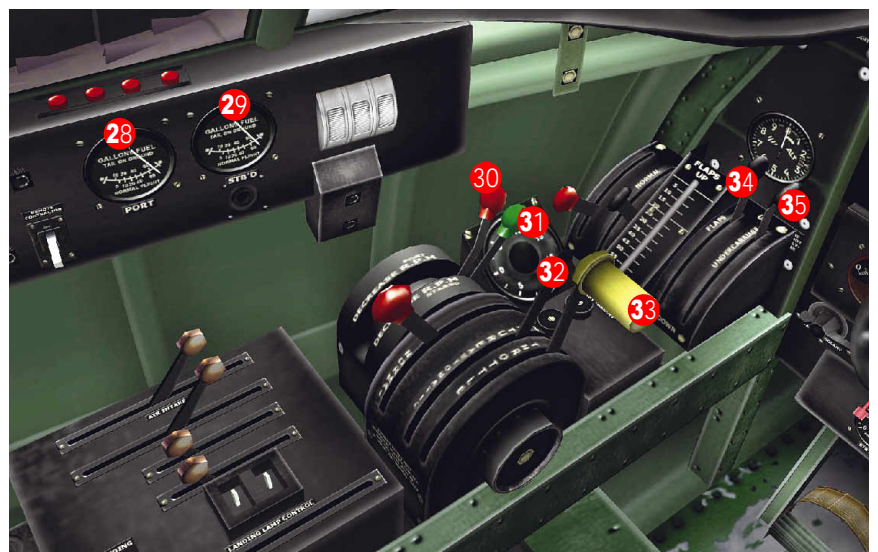
UNITED KINGDOM



Bristol Beaufighter Mk. 21



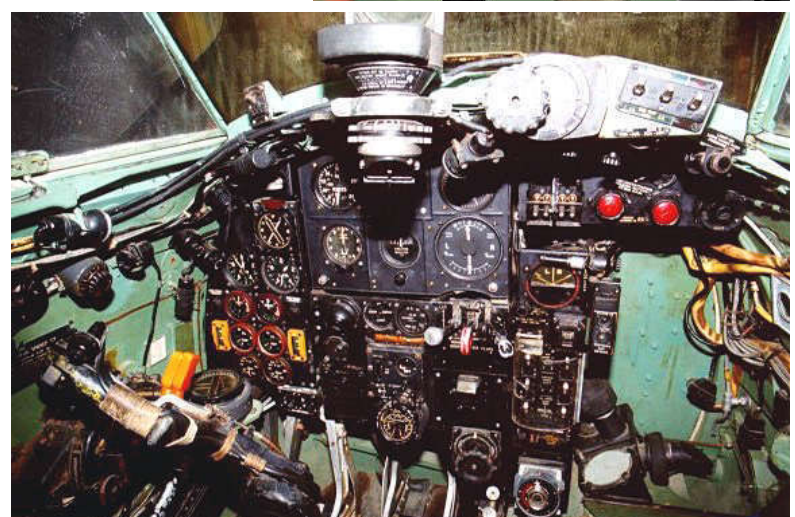
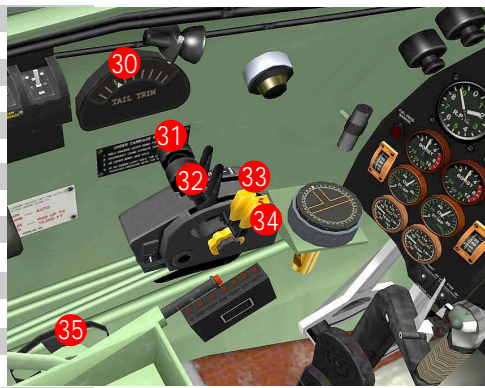
1. Clock
2. Airspeed indicator
3. Artificial horizon
4. Directional gyro
5. Rate-of-climb indicator
6. Radio altimeter
7. Altimeter
8. Turn and bank indicator
9. Pilot's Direction Indicator
10. Free air temperature gage
11. Radio compass
12. Left engine manifold pressure gage
13. Right engine manifold pressure gage
14. Left engine tachometer
15. Right engine tachometer
16. Left engine fuel pressure gage
17. Right engine fuel pressure gage
18. Suction gage
19. Gear brakes lever
20. Left engine coolant temperature gage
21. Right engine coolant temperature gage
22. Left engine oil pressure gage
23. Right engine oil pressure gage
24. Left engine oil temperature gage
25. Right engine oil temperature gage
26. Elevator trim wheel
27. Rudder trim wheel
28. Left tank fuel gage
29. Right tank fuel gage
30. Left propeller pitch lever
31. Right propeller pitch lever
32. Mixture lever: rear - leaner mixture front - richer mixture
33. Throttle
34. Flaps lever
35. Landing gear lever
36. Aileron trim wheel



De Havilland Mosquito FB.VI Series I

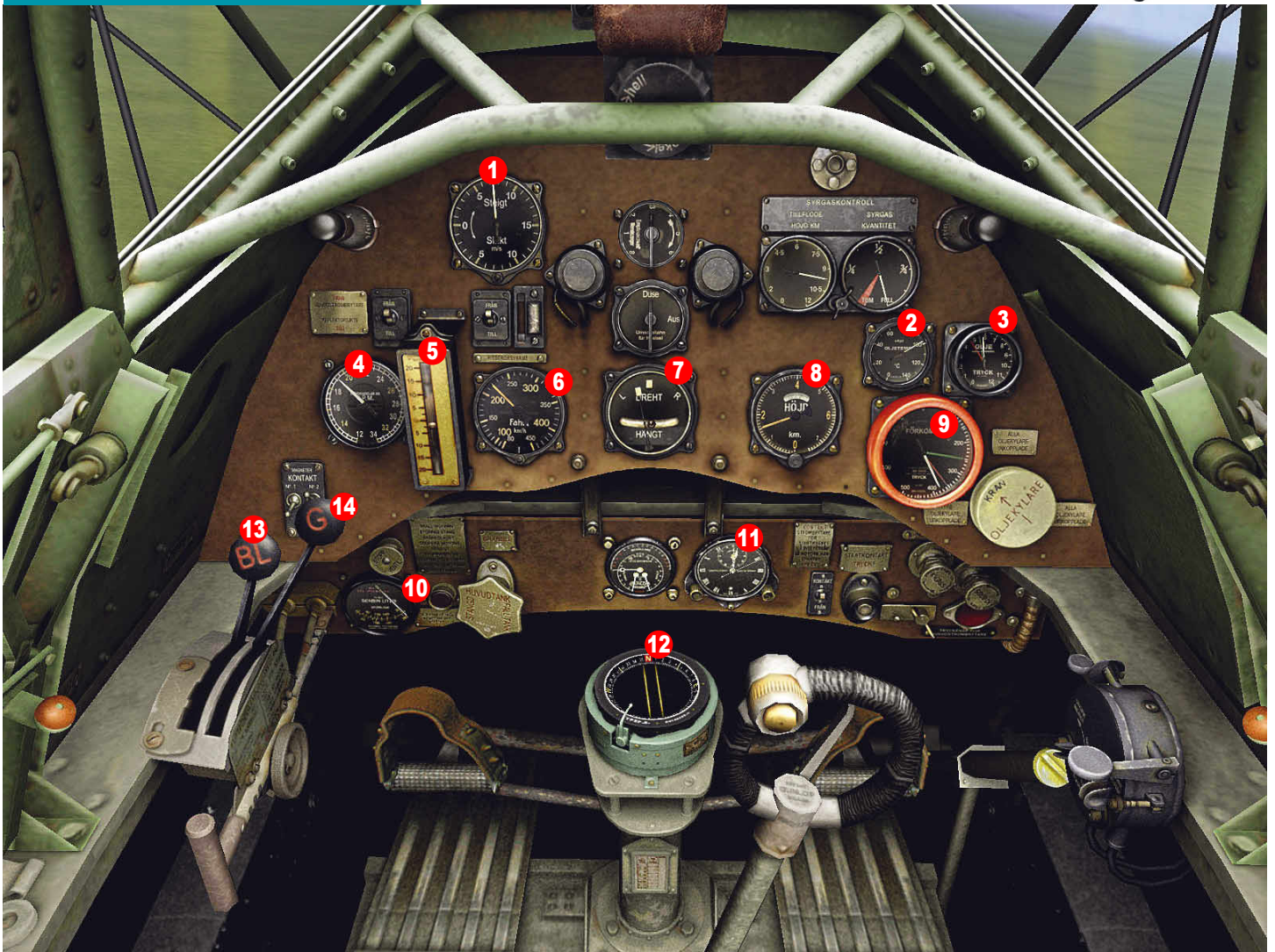


1. Airspeed indicator
2. Artificial horizon
3. Rate-of-climb indicator
4. Rudder trim wheel & indicator
5. Remote reading compass
6. Altimeter
7. Directional gyro
8. Turn and bank indicator
9. Left **engine tachometer**
10. Right **engine tachometer**
11. Left engine low fuel press warning light
12. Left engine manifold gage
13. Right engine manifold gage
14. Right engine low fuel press warning light
15. Landing gear position indicator
16. Flaps position indicator
17. Bomb doors lever
18. Landing gear lever
19. Flaps lever
20. Left engine oil pressure gage
21. Front engine oil temperature gage
22. Right engine oil temperature gage
23. Right engine oil pressure gage
24. Left engine coolant temperature gage
25. Right engine coolant temperature gage
26. Gear brakes lever
27. Magnetic compass
28. Aileron trim indicator
29. Aileron trim wheel
30. Elevator trim indicator
31. Left engine throttle
32. Right engine throttle
33. Left propeller pitch lever
34. Right propeller pitch lever
35. Elevator trim wheel



Gloster Gladiator J8A

Swedish & Finnish variant



- 1. Rate-of-climb indicator
- 2. Oil temperature gage
- 3. Oil pressure gage
- 4. Tachometer
- 5. Angle of attack indicator
- 6. Airspeed indicator
- 7. Turn and bank indicator
- 8. Altimeter
- 9. Manifold pressure gage
- 10. Fuel gage
- 11. Clock
- 12. Magnetic compass
- 13. Mixture lever: rear position - leaner mixture
front position - richer mixture
- 14. Throttle



J8A (http://surfcity.kund.dalnet.se/gladiator_sweden.htm)





1. Landing gear position: green - down
no light - transition
red - up
2. Tachometer
3. Airspeed indicator
4. Artificial horizon
5. Rate-of-climb indicator
6. Manifold pressure gage
7. Altimeter
8. Directional gyro
9. Turn and bank indicator
10. Fuel pressure gage
11. Fuel gage
12. Oil temperature gage
13. Coolant temperature gage
14. Magnetic compass
15. Propeller pitch lever
16. Throttle
17. Radiator flap position indicator
18. Landing gear / flaps lever



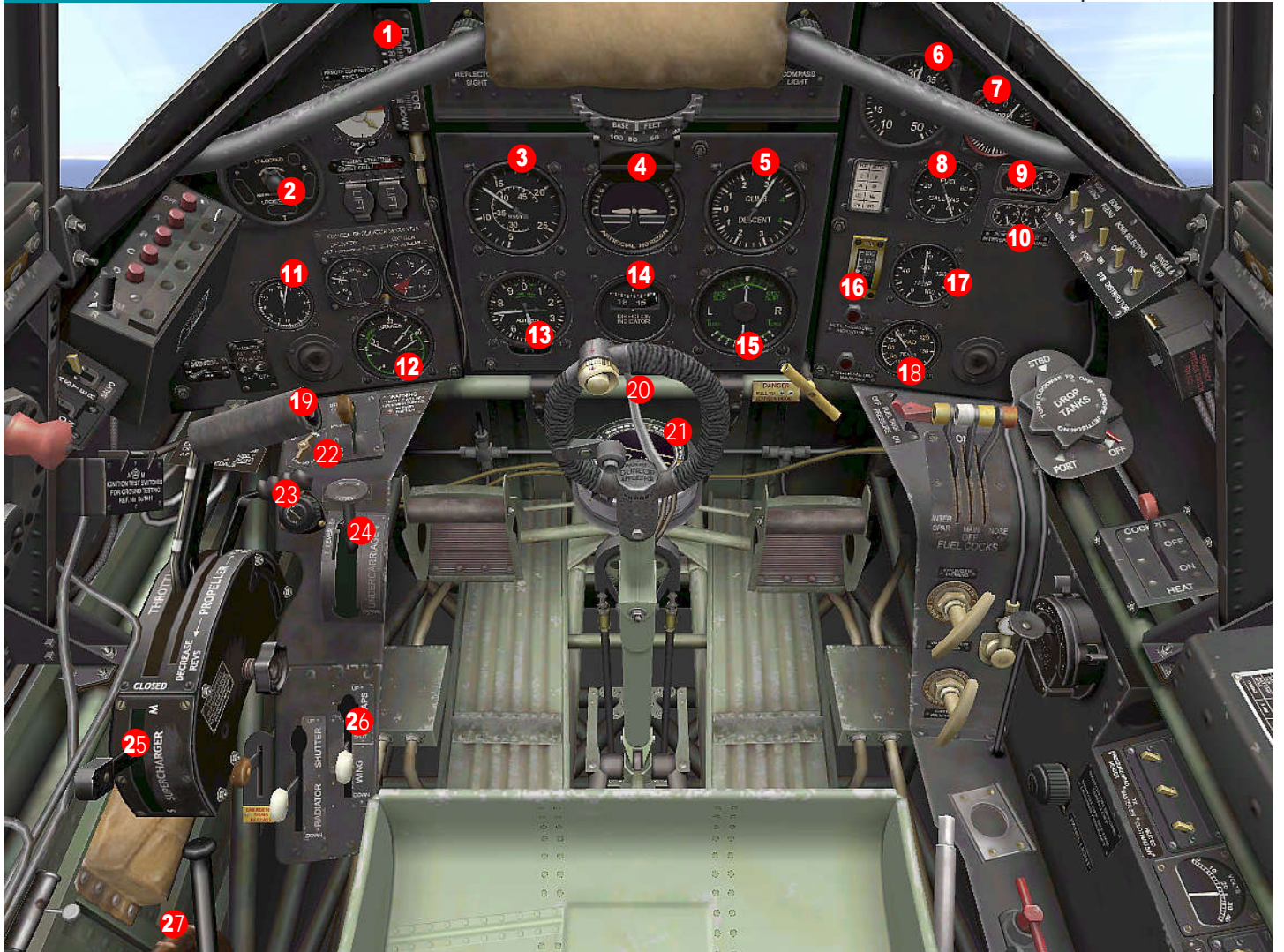
Hurri MkII (new zealand Fighter Pilots Museum, <http://www.nzfpm.co.nz>)



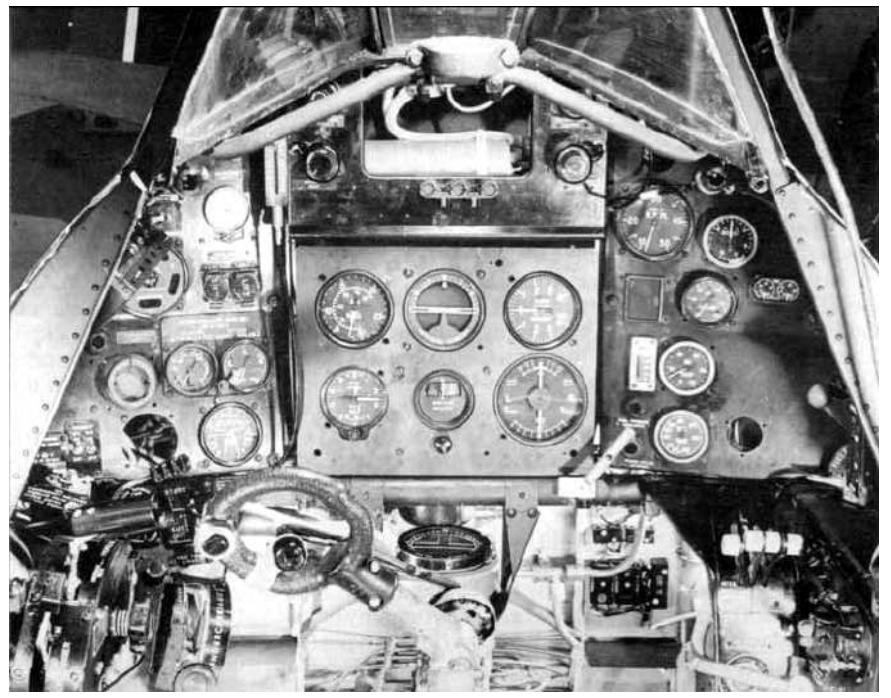
Hurri X11 (<http://www.historicalaircraftcollection.ltd.uk/>)



Hawker Tempest Mk. V



1. Flaps position indicator
2. Landing gear position indicator: green - down
no light - transition
red - up
3. Airspeed indicator
4. Artificial horizon
5. Rate-of-climb indicator
6. Tachometer
7. Manifold pressure gage
8. Fuel gage (main tank)
9. Fuel gage (nose tank)
10. Fuel gage (wing tanks)
11. Clock
12. Brakes pressure gage
13. Altimeter
14. Directional gyro
15. Turn and bank indicator
16. Oil pressure gage
17. Oil temperature gage
18. Coolant temperature gage
19. Throttle
20. Gear brakes lever
21. Magnetic compass
22. Landing light switch
23. Propeller pitch lever
24. Landing gear lever
25. Supercharger lever - up: stage 1
down: stage 2
26. Flaps lever
27. Elevator trim wheel

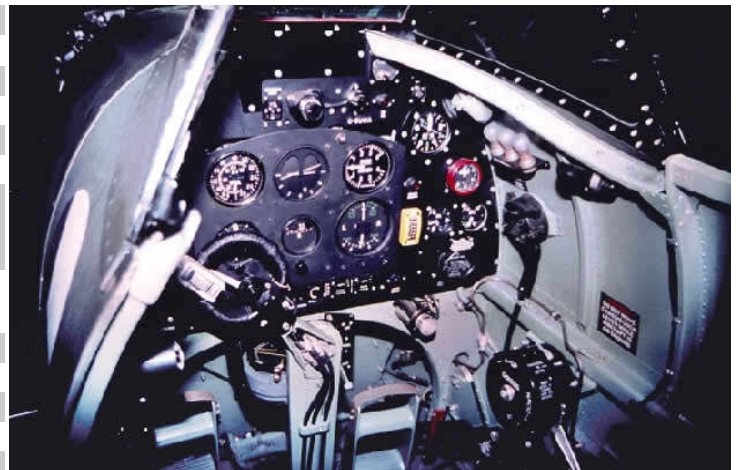


Tempest V (<http://www.ww2aircraft.net/>)





1. Flaps lever
2. Airspeed indicator
3. Artificial horizon
4. Rate-of-climb indicator
5. Tachometer
6. Clock
7. Landing gear **position indicator: down - down
no light - transition
up - up**
8. Arresting hook indicator light: no light - up
green - down
9. Elevator trim indicator
10. Altimeter
11. Directional gyro
12. Turn and bank indicator
13. Low fuel warning light
14. Manifold pressure gage
15. Oil pressure gage
16. Oil temperature gage
17. Coolant temperature gage
18. Fuel gage
19. **Throttle**
20. **Propeller pitch lever**
21. Magnetic compass
22. Gear brakes lever
23. Landing gear lever
24. Elevator trim wheel
25. Rudder trim wheel
26. Arrester hook lever



Seafire MkIII (<http://www.fleetairarmarchive.net/Aircraft/Seafire.htm>)



Supermarine Spitfire Mk. Vb / c

Mk. Vb (CW) / L.F. Mk. Vb / L.F. Mk. Vb (CW) / Mk. Vc2 / Mk. Vc4

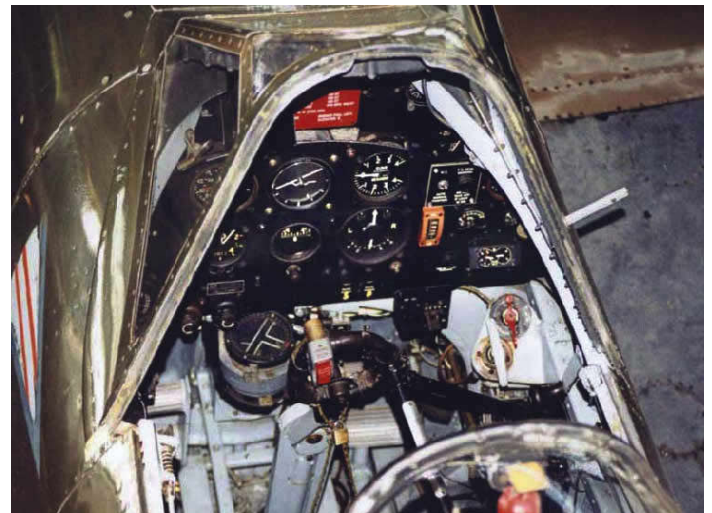


1. Flaps lever
2. Airspeed indicator
3. Artificial horizon
4. Rate-of-climb indicator
5. Tachometer
6. Clock
7. Landing gear position indicator: down - down
no light - transition
up - up
8. Elevator trim indicator
9. Altimeter
10. Directional gyro
11. Turn and bank indicator
12. Low fuel warning light
13. Manifold pressure gage
14. Oil pressure gage
15. Oil temperature gage
16. Coolant temperature gage
17. Fuel gage
18. Throttle
19. Propeller pitch lever
20. Gear brakes lever
21. Magnetic compass
22. Landing gear lever
23. Elevator trim wheel
24. Rudder trim wheel





1. Flaps lever
2. Airspeed indicator
3. Artificial horizon
4. Rate-of-climb indicator
5. Tachometer
6. Landing gear **position indicator: down - down
no light - transition
up - up**
7. Elevator trim indicator
8. Altimeter
9. Directional gyro
10. Turn and bank indicator
11. Supercharger warning light
12. Manifold pressure gage
13. Oil pressure gage
14. Oil temperature gage
15. Coolant temperature gage
16. Fuel gage
17. Throttle
18. Propeller pitch lever
19. Magnetic compass
20. Gear brakes lever
21. Landing gear lever
22. Elevator trim wheel
23. Rudder trim wheel



Spitfire (©Jan Jansky <http://www.valka.cz/galerie/thumbnails.php?album=19&page=30>)

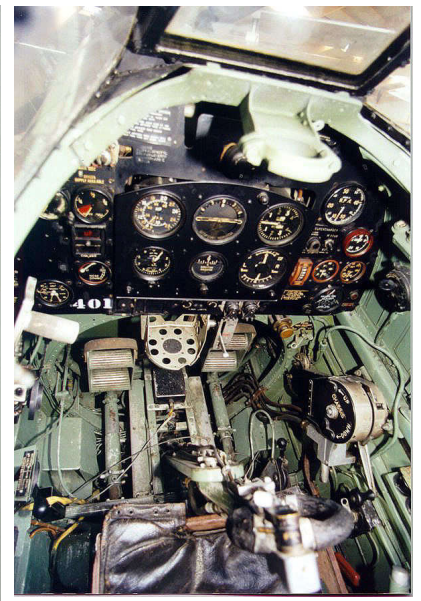


Supermarine Spitfire Mk. IX

Mk. IXc/L.F. Mk. IXc (CW)/Mk. IXe/L.F. Mk. IXe (CW)/H.F. Mk. IXe/Mk. IX 25 lbs



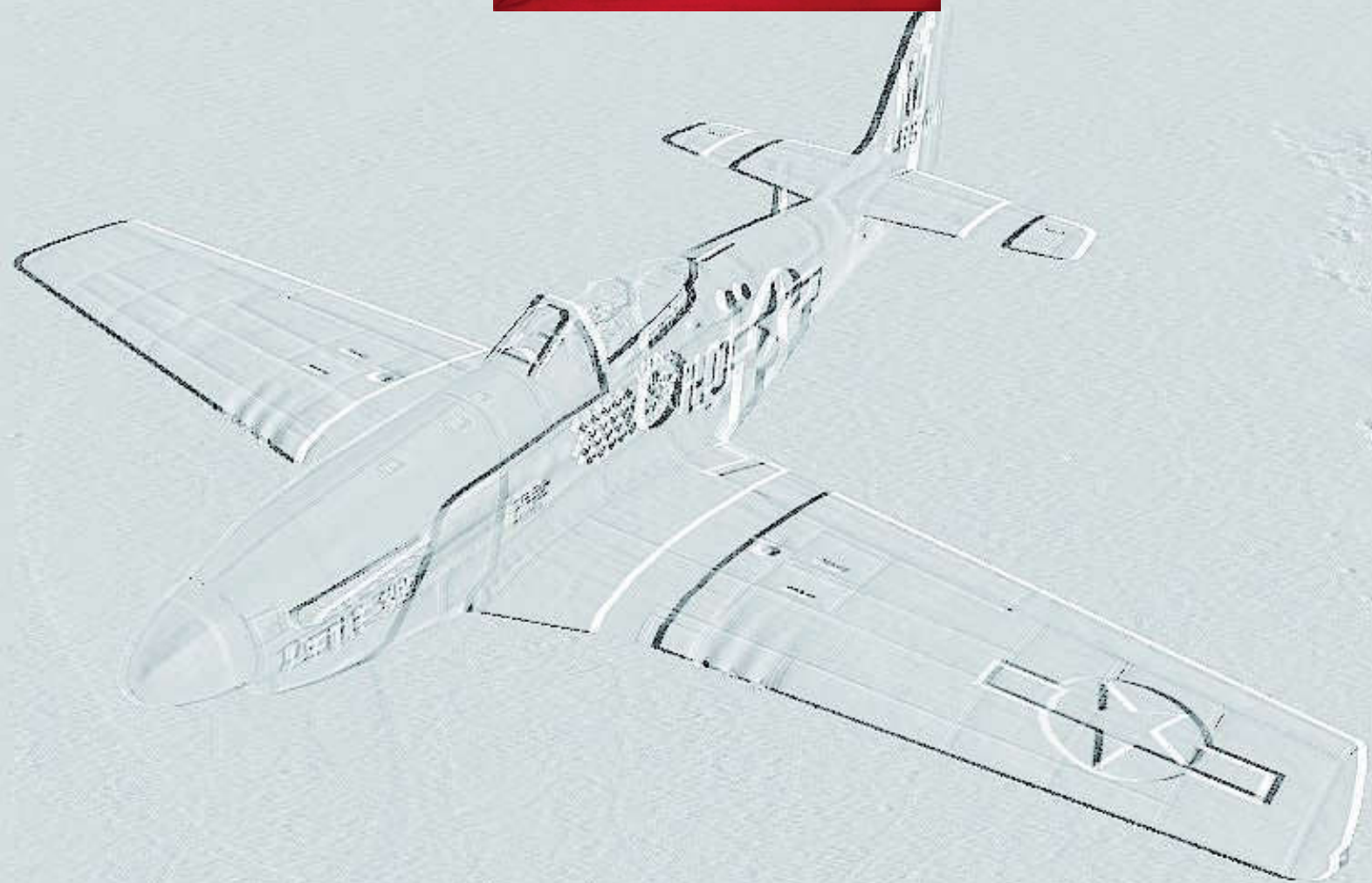
- 1. Flaps lever
- 2. Airspeed indicator
- 3. Artificial horizon
- 4. Rate-of-climb indicator
- 5. Tachometer
- 6. Clock
- 7. Landing gear position indicator: down - down
no light - transition
up - up
- 8. Elevator trim indicator
- 9. Altimeter
- 10. Directional gyro
- 11. Turn and bank indicator
- 12. Supercharger warning light
- 13. Manifold pressure gage
- 14. Oil pressure gage
- 15. Oil temperature gage
- 16. Coolant temperature gage
- 17. Low fuel warning light
- 18. Fuel gage
- 19. Propeller pitch lever
- 20. Throttle
- 21. Magnetic compass
- 22. Gear brakes lever
- 23. Landing gear lever
- 24. Elevator trim wheel
- 25. Rudder trim wheel

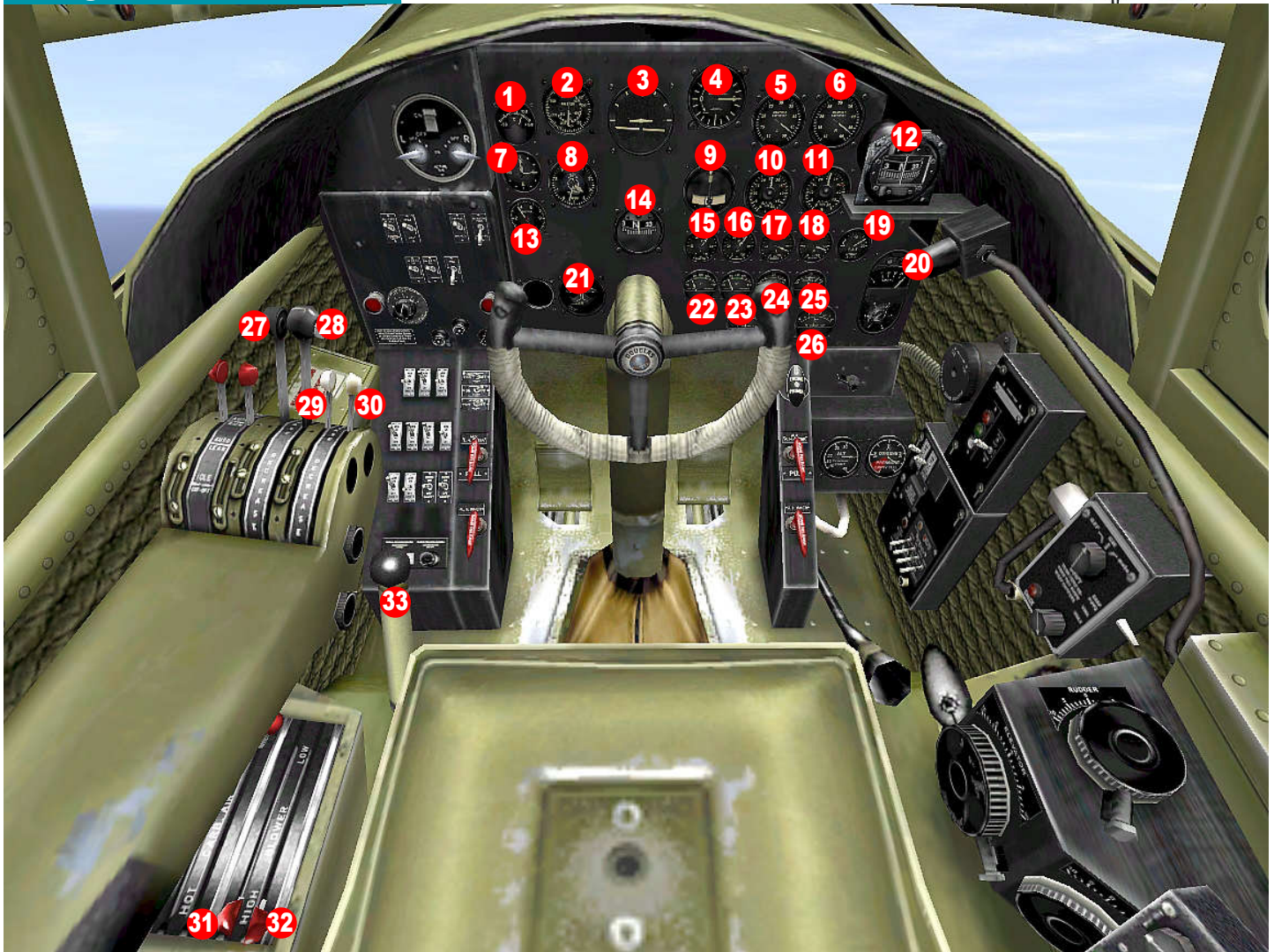


Spitfire Mk IX (<http://aircraftwalkaround.hobbyvista.com/spitfire/spitfire.htm>)

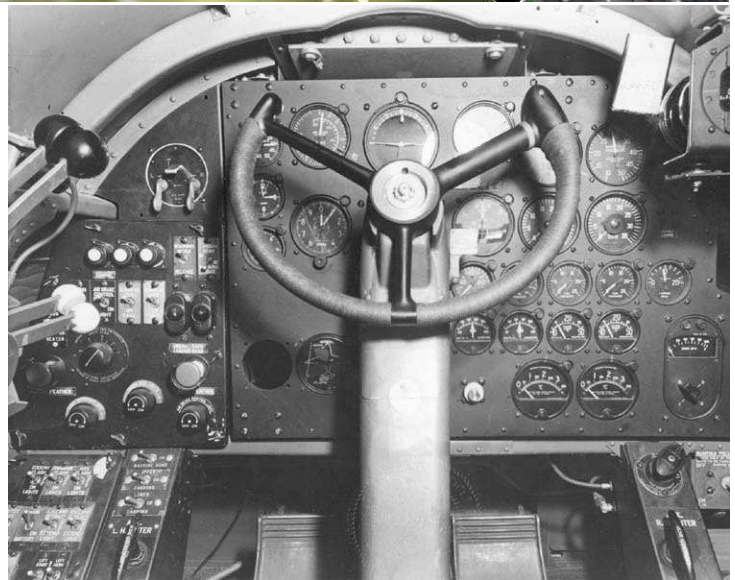


UNITED STATES OF AMERICA

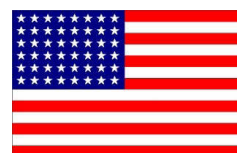




1. Free air temperature gage
2. Airspeed indicator
3. Artificial horizon
4. Rate-of-climb indicator
5. Left engine manifold pressure gage
6. Right engine manifold pressure gage
7. Clock
8. Altimeter
9. Turn and bank indicator
10. Left engine tachometer
11. Right engine tachometer
12. Magnetic compass
13. Suction gage
14. Directional gyro
15. Left engine oil pressure gage
16. Right engine oil pressure gage
17. Left engine fuel pressure gage
18. Right engine fuel pressure gage
19. Hydraulic pressure gage
20. Fuel gage
21. Flaps and gear position indicator
22. Left engine oil temperature gage
23. Right engine oil temperature gage
24. Left engine carburetor air temperature gage
25. Right engine carburetor air temperature gage
26. Left (hidden) / right engine cylinder head temperature gages
27. Left engine throttle
28. Right engine throttle
29. Left engine propeller pitch lever
30. Right engine propeller pitch lever
31. Left engine supercharger lever: down position - stage 1
up position - stage 2
32. Right engine supercharger lever: down position - stage 1
up position - stage 2
33. Bomb release lever



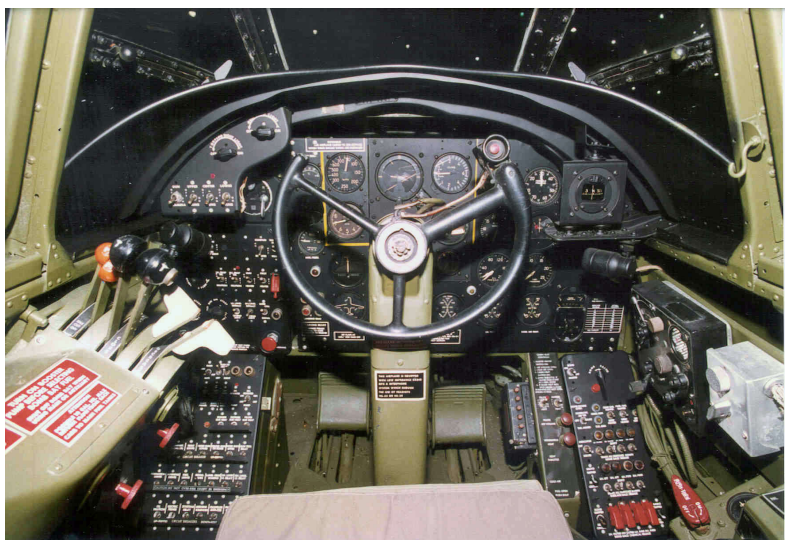
A-20C (<http://uscockpits.com/Early%20Attack/Early%20Attack.html#A20>)



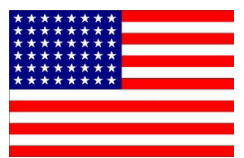
Douglas A-20G Havoc

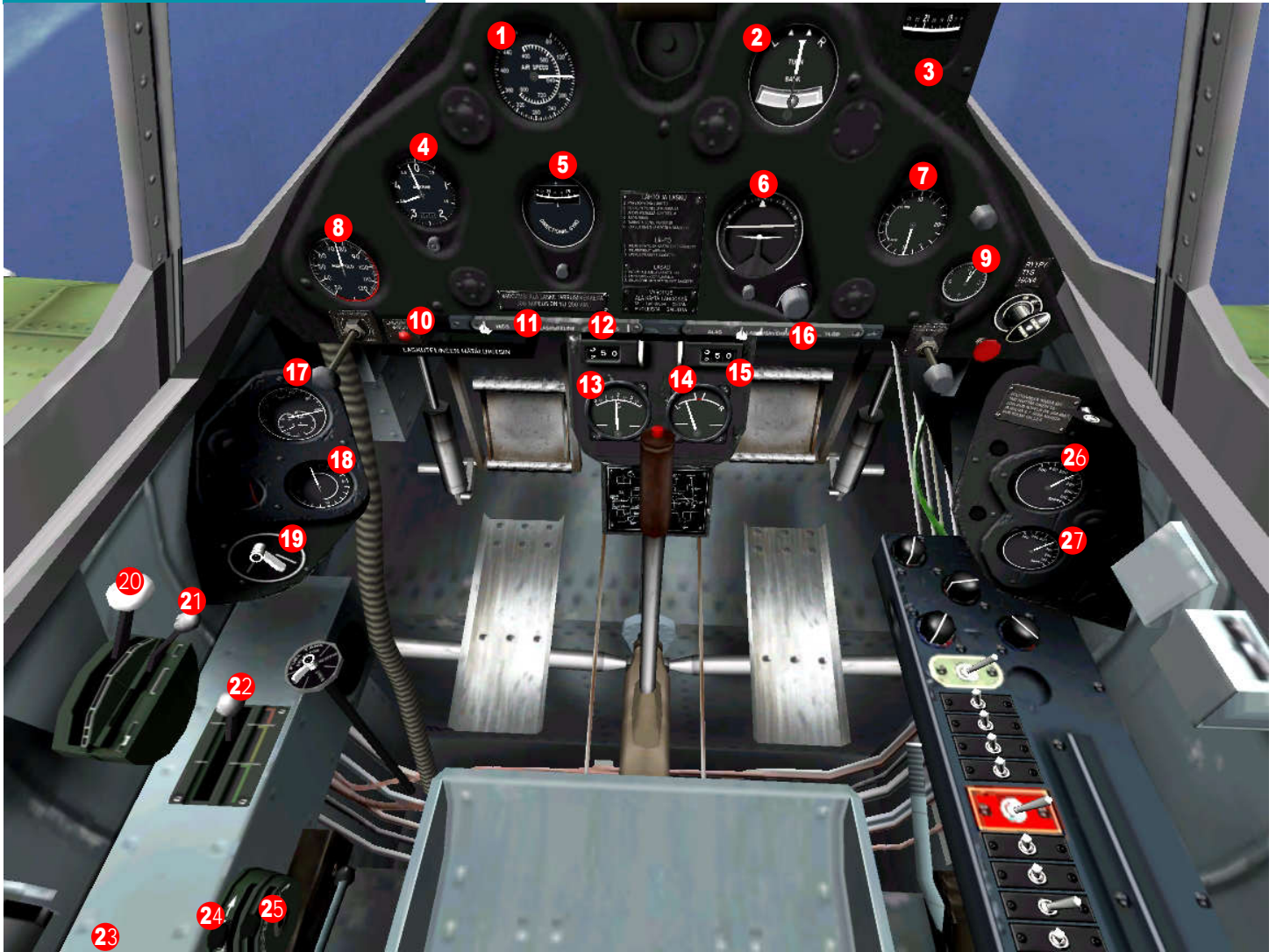


1. Airspeed indicator
2. Artificial horizon
3. Rate-of-climb indicator
4. Left engine manifold pressure gage
5. Right engine manifold pressure gage
6. Magnetic compass
7. Altimeter
8. Directional gyro
9. Turn and bank indicator
10. Left engine tachometer
11. Right engine tachometer
12. Flaps and gear position indicator
13. Left engine oil pressure gage
14. Right engine oil pressure gage
15. Left engine fuel pressure gage
16. Right engine fuel pressure gage
17. Left engine oil temperature gage
18. Right engine oil temperature gage
19. Left engine carburetor air temperature gage
20. Right engine carburetor air temperature gage
21. Fuel gage
22. Left engine cylinder head temperature gage
23. Right engine cylinder head temperature gage
24. Left engine throttle
25. Right engine throttle
26. Left engine propeller pitch lever
27. Right engine propeller pitch lever
28. Left engine supercharger lever: down position - stage 1
up position - stage 2
29. Right engine supercharger lever: down position - stage 1
up position - stage 2
30. Bomb release lever

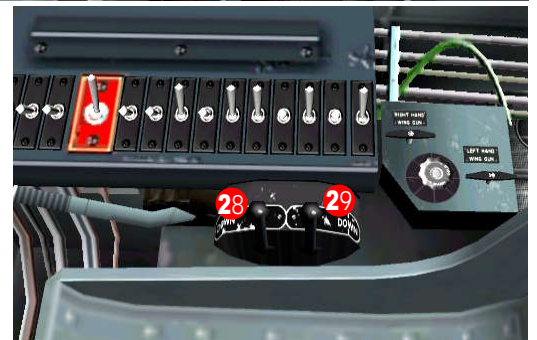


A-20G (<http://www.nationalmuseum.af.mil/photos/index.asp?galleryID=2283>)

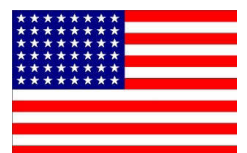




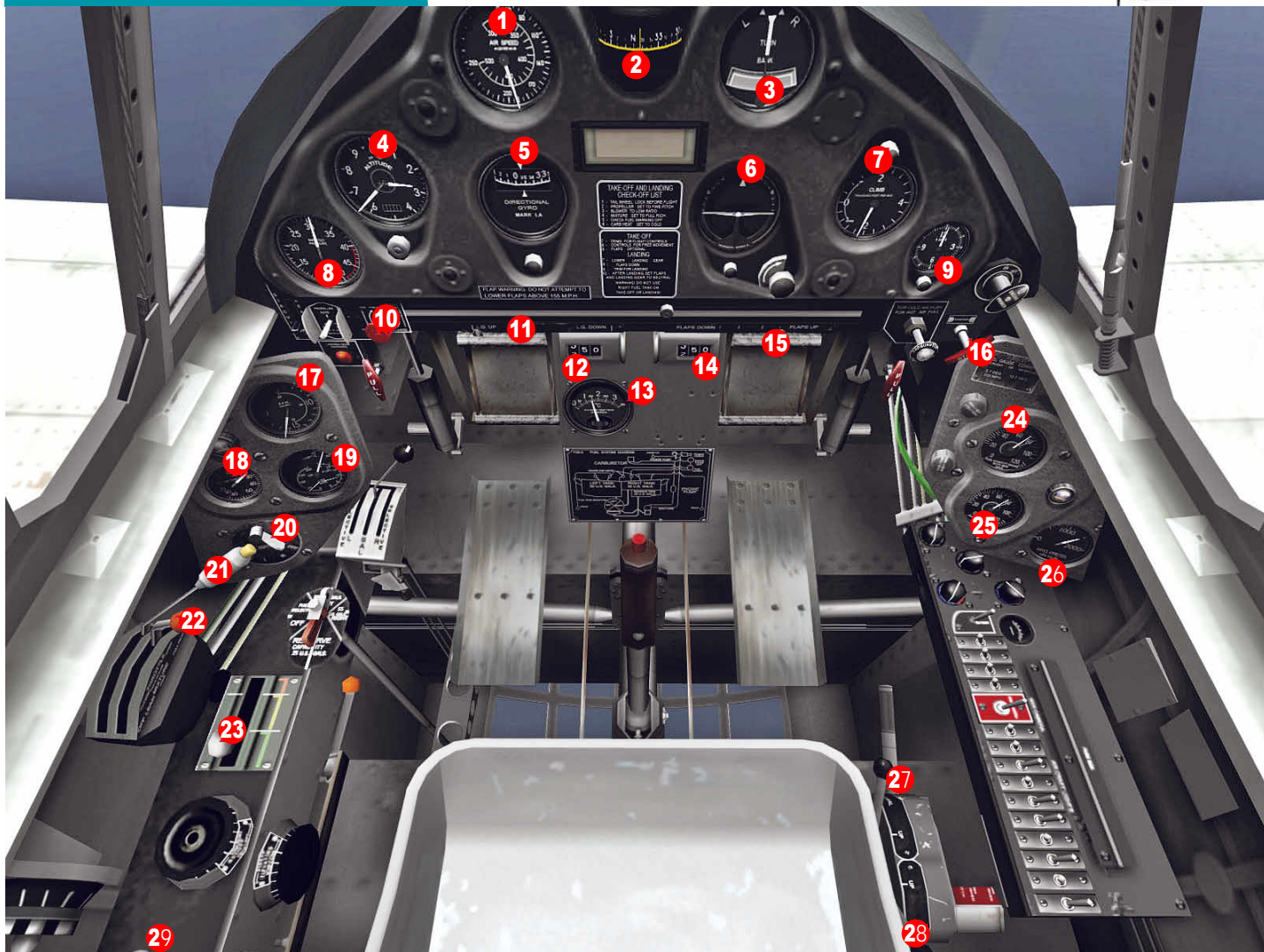
1. Airspeed indicator
2. Turn and bank indicator
3. Magnetic compass
4. Altimeter
5. Directional gyro
6. Artificial horizon
7. Rate-of-climb indicator
8. Manifold pressure gage
9. Clock
10. Landing gear **warning light**
11. Landing gear **position indicator**
12. **Left fuselage MG ammunition counter**
13. Cylinder head **temperature gage**
14. Pilot's Direction Indicator
15. **Right fuselage MG ammunition counter**
16. **Flaps position indicator**
17. Engine gage: **oil temperature (top), oil pressure (left) fuel pressure (right)**
18. **Tachometer**
19. Engine ignition & starter switch
20. **Throttle**
21. **Propeller pitch lever**
22. **Mixture lever: rear position - leaner mixture front position - richer mixture**
23. Tail wheel lock lever (not visible)
24. Elevator trim lever
25. Rudder trim lever
26. Fuel gage (left tank)
27. Fuel gage (right tank)
28. Landing gear lever
29. Flaps lever



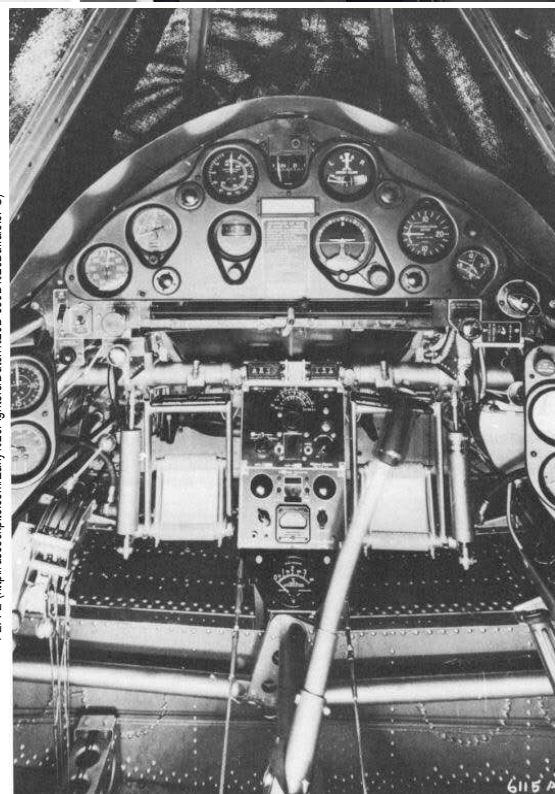
B239 (<http://uscockpits.com/Early%20Fighters/F2A-1%20Buffalo.jpg>)



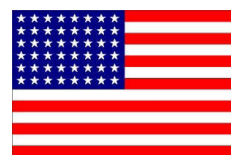
Brewster F2A-2 Buffalo



- 1. **Airspeed indicator**
- 2. **Magnetic compass**
- 3. **Turn and bank indicator**
- 4. **Altimeter**
- 5. **Directional gyro**
- 6. **Artificial horizon**
- 7. **Rate-of-climb indicator**
- 8. **Manifold pressure gage**
- 9. **Clock**
- 10. **Propeller pitch lever**
- 11. **Landing gear position indicator**
- 12. **Left fuselage MG ammunition counter**
- 13. **Cylinder head temperature gage**
- 14. **Right fuselage MG ammunition counter**
- 15. **Flaps position indicator**
- 16. **Engine starter**
- 17. **Tachometer**
- 18. **Free air temperature gage**
- 19. **Engine gage: oil temperature (top) - oil pressure (left) fuel pressure (right)**
- 20. **Engine ignition switch**
- 21. **Throttle**
- 22. **Mixture lever: rear position - leaner mixture front position - richer mixture**
- 23. **Supercharger lever: rear position - stage 1 front position - stage 2**
- 24. **Fuel gage (left tank)**
- 25. **Fuel gage (right tank)**
- 26. **Hydraulic pressure gage**
- 27. **Landing gear lever**
- 28. **Flaps lever**
- 29. **Tail wheel lock lever (not visible)**



F2A-2 (http://usocpilot.com/Early%20Fighters/Dutch%20B-339D%20Buffalo.JPG)



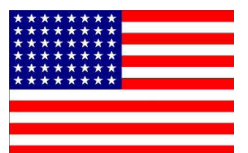
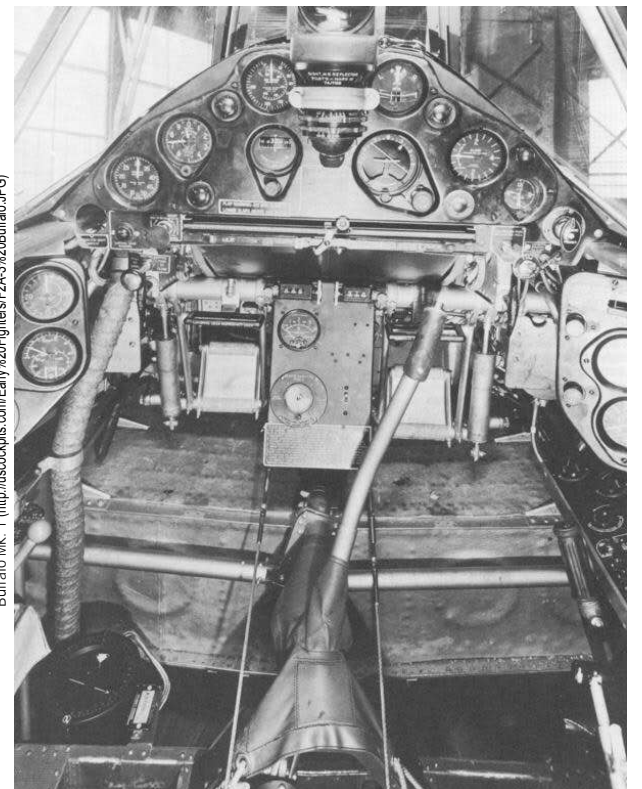
Brewster Mk. I Buffalo

British Commonwealth variant

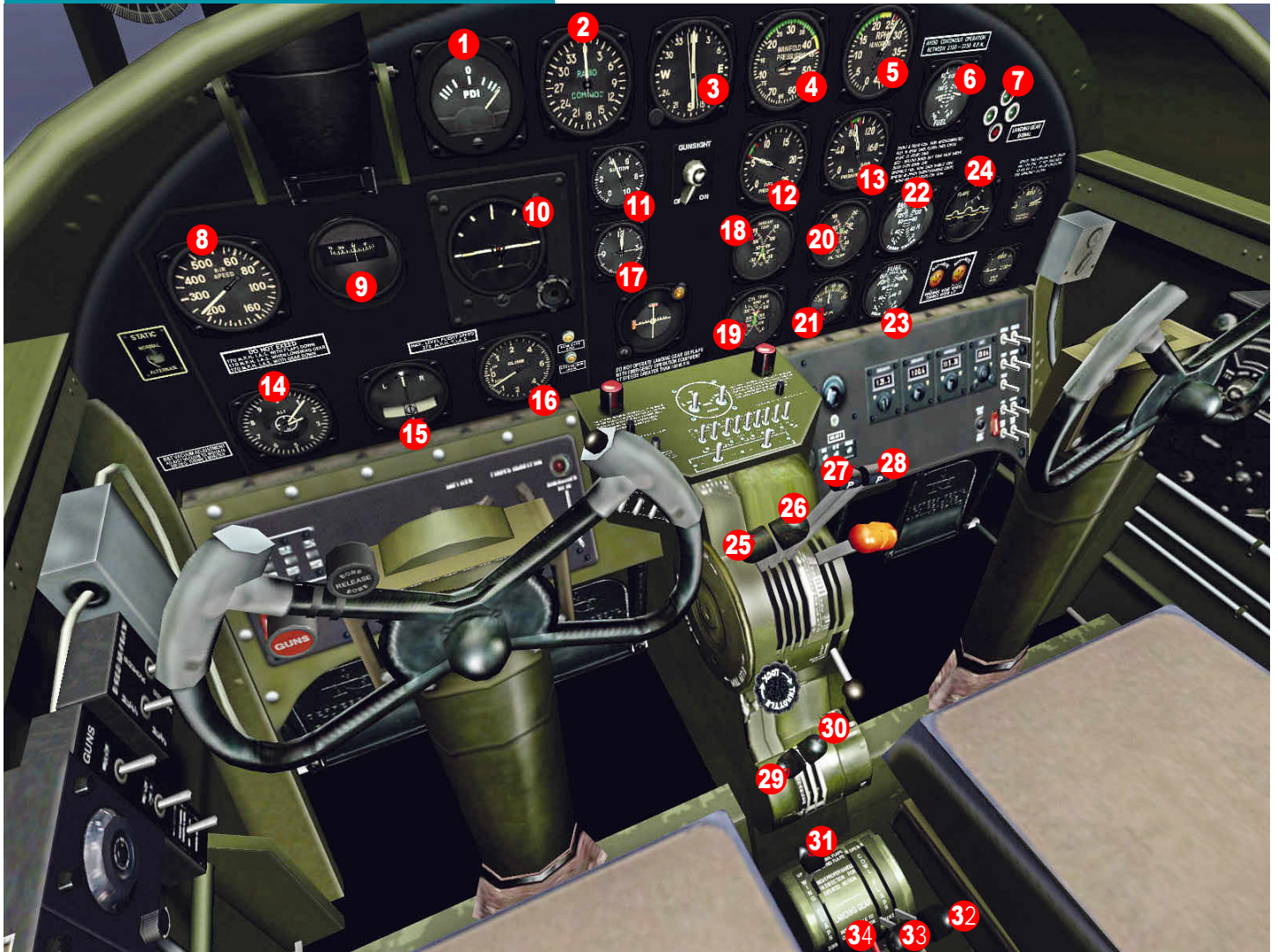


1. **Airspeed indicator**
2. **Turn and bank indicator**
3. **Altimeter**
4. Directional gyro
5. **Artificial horizon**
6. Rate-of-climb indicator
7. **Manifold pressure gage**
8. **Clock**
9. **Propeller pitch lever**
10. Landing gear **position indicator**
11. **Left fuselage MG ammunition counter**
12. **Cylinder head temperature gage**
13. **Right fuselage MG ammunition counter**
14. **Flaps position indicator**
15. **Engine starter**
16. **Tachometer**
17. Free air **temperature gage**
18. Engine gage: **oil temperature** (top)
oil pressure (left)
fuel pressure (right)
19. **Engine ignition switch**
20. **Throttle**
21. **Mixture lever: rear position - leaner mixture**
front position - richer mixture
22. **Supercharger lever: rear position - stage 1**
front position - stage 2
23. **Fuel gage** (left tank)
24. **Fuel gage** (right tank)
25. Hydraulic pressure **gage**
26. Landing gear **lever**
27. **Flaps lever**
28. Tail wheel lock lever (not visible)

Buffalo Mk. I (<http://uscockpits.com/Early%20Fighters/F2A-3%20Buffalo.JPG>)



North American B-25J Mitchell

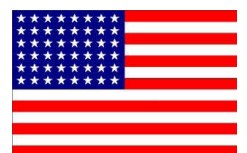


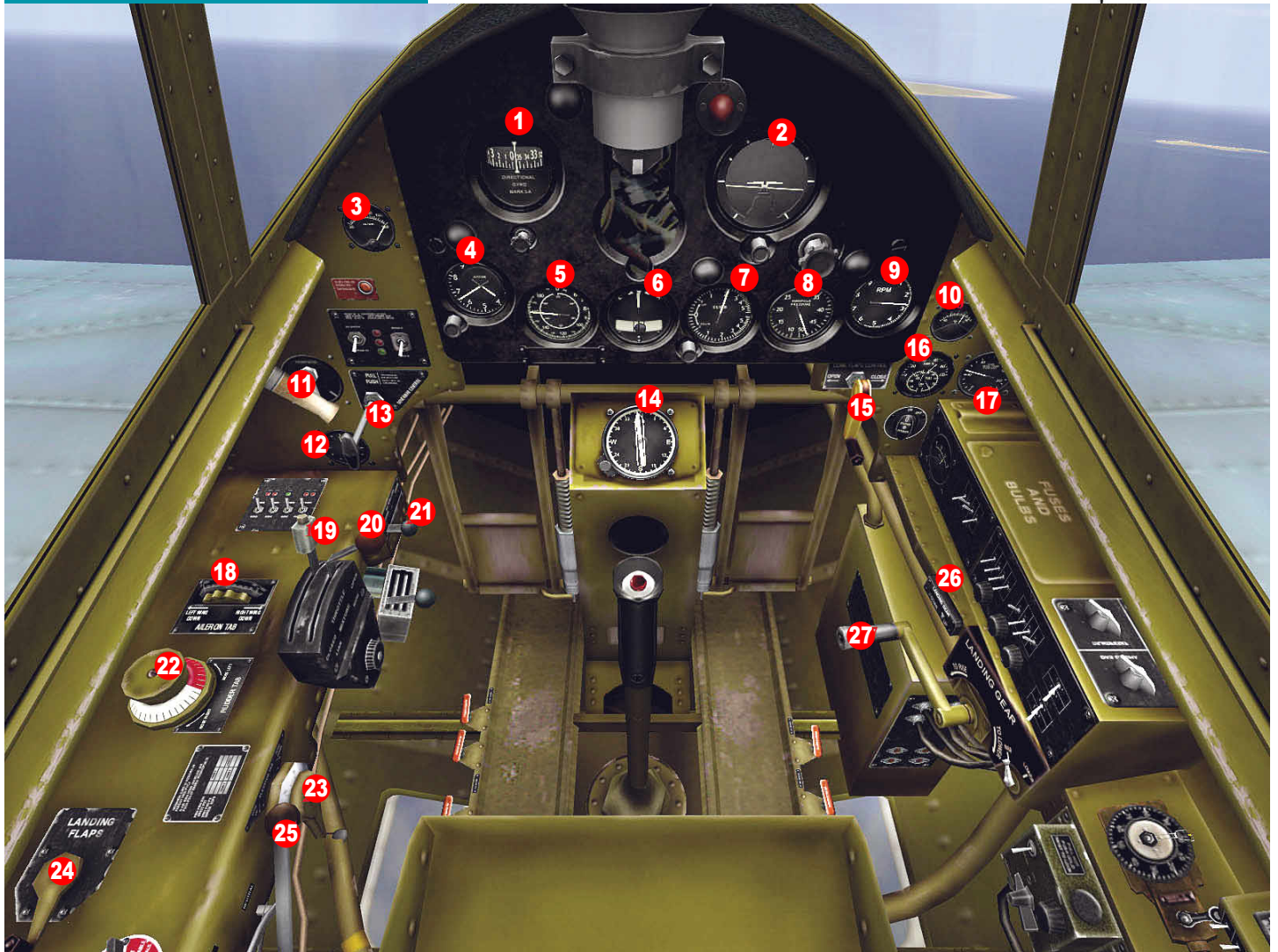
1. Pilot's Direction Indicator
2. Radio compass
3. Remote reading compass
4. Manifold pressure gage for left/right engine
5. Tachometer for left/right engine
6. Fuel gage (auxiliary tank)
7. Landing gear position indicator: green-down
red-in transition
no light-up
8. Airspeed indicator
9. Directional gyro
10. Artificial horizon
11. Suction gage
12. Fuel pressure gage for left/right engine
13. Oil pressure gage for left/right engine
14. Altimeter
15. Turn and bank indicator
16. Rate-of-climb indicator
17. Clock
18. Carburetor air temperature gage for left/right engine
19. Cylinder head temperature gage for left/right engine
20. Oil temperature gage for left/right engine
21. Free air temperature gage
22. Fuel gage (front tanks)
23. Fuel gage (rear tanks)
24. Flaps and landing gear position indicator
25. Left engine throttle
26. Right engine throttle
27. Left side propeller pitch lever
28. Right side propeller pitch lever
29. Left engine supercharger lever: down position - stage 1
up position - stage 2
30. Right engine supercharger lever: down position - stage 1
up position - stage 2



B-25J (<http://uscockpits.com/Early%20Bombers/B-25J%20Mitchell.jpg>)

31. Flaps lever
32. Right engine radiator lever: rear position - closed
front position - open
33. Left engine radiator lever: rear position - closed
front position - open
34. Landing gear lever





1. Directional gyro
2. Artificial horizon
3. Engine oil temperature gage
4. Altimeter
5. Airspeed indicator
6. Turn and bank indicator
7. Rate-of-climb indicator
8. Manifold pressure gage
9. Tachometer
10. Outside temperature gage
11. Arrester hook lever
12. Clock
13. Propeller pitch lever
14. Remote reading compass
15. Radiator handle
16. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
17. Fuel gage
18. Aileron trim wheel
19. Throttle
20. Mixture lever
21. Tail wheel lock lever: front position - locked
rear position - unlocked
22. Rudder trim wheel
23. Elevator trim lever
24. Flaps lever
25. Supercharger lever: front position - stage 1
middle position - stage 2
rear position - stage 3
26. Landing gear position indicator
27. Landing gear handle

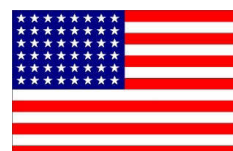
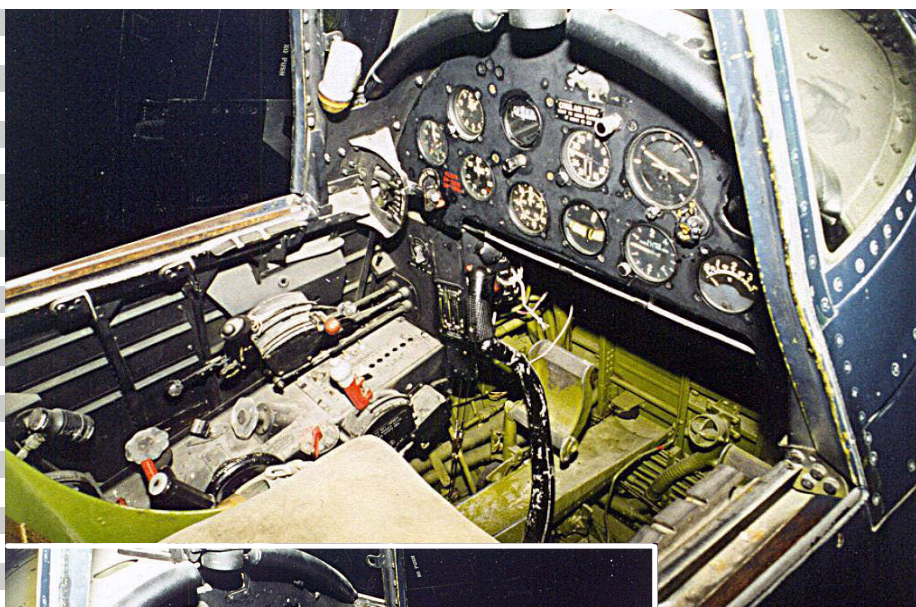


F4F (www.warbirdsresourcegroup.org/NARC/wildcat.html)





1. Water injection (ADI) warning light
2. Stall warning light
3. Altimeter
4. Directional gyro
5. Remote reading compass
6. Artificial horizon
7. Clock
8. Oil temperature gage
9. Tachometer
10. Manifold pressure gage
11. Airspeed indicator
12. Turn and bank indicator
13. Rate-of-climb indicator
14. Cylinder head temperature gage
15. Oil pressure gage
16. Fuel pressure gage
17. Fuel gage
18. Hydraulic pressure gage
19. Voltmeter
20. Fuel tank pressure gage
21. Cooling flaps levers
22. Flaps lever
23. Landing gear / Dive brake position indicator
24. Throttle
25. Mixture lever
26. Supercharger lever
27. Landing gear / Dive brake lever
28. Propeller pitch lever
29. Aileron trim wheel
30. Elevator trim wheel
31. Rudder trim wheel
32. Wing fold lever
33. Arrestor hook lever

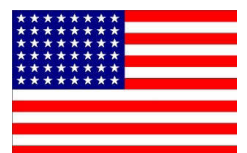




1. Clock
2. Directional gyro
3. Remote reading compass
4. Artificial horizon
5. Tachometer
6. Altimeter
7. Airspeed indicator
8. Turn and bank indicator
9. Rate-of-climb indicator
10. Manifold pressure gage
11. Flaps and landing gear position indicator
12. Landing gear lever
13. Ammunition counter
14. Fuel gage
15. Engine temperature gage
16. Oil-in temperature gage
17. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
18. Rudder trim wheel
19. Elevator trim wheel
20. Radiator levers
21. Propeller pitch lever
22. Throttle
23. Supercharger lever: front position - stage 1
middle position - stage 2
rear position - stage 3
24. Mixture lever: rear position - 100%
front position - 120%
25. Flaps switch



F6F3 (<http://www.thescaleinfo.com/news/publish/F6FHellcat-Cockpit-photos.shtml>)

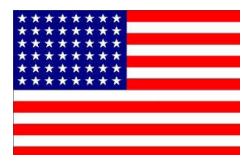


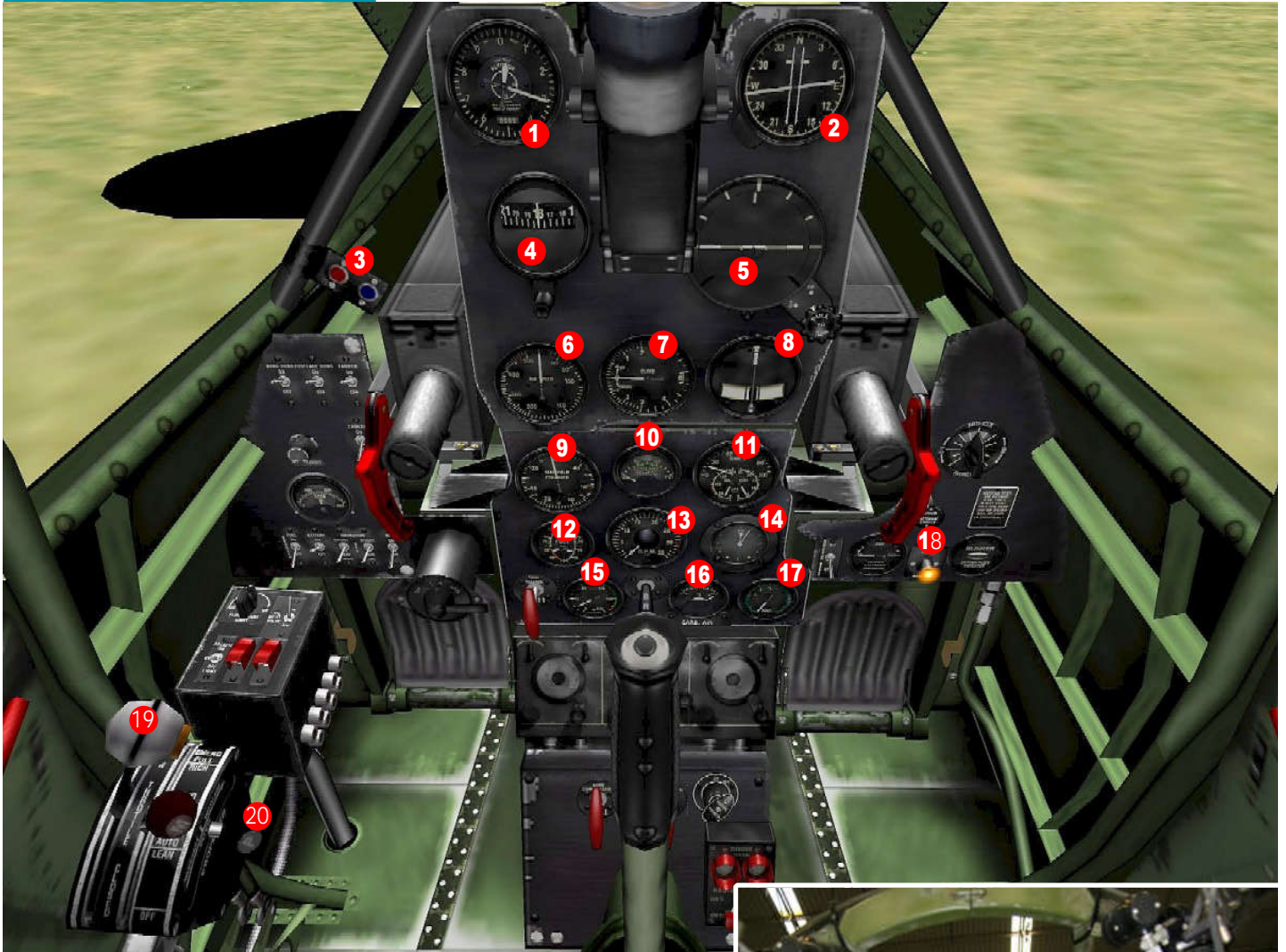


1. Clock

2. Remote reading compass
3. Directional gyro
4. Artificial horizon
5. Manifold pressure gage for left & right engine
6. Tachometer for left & right engine
7. Coolant temperature gage for left & right engine
8. Fuel gage (reserve front tank)
9. Altimeter
10. Airspeed indicator
11. Turn and bank indicator
12. Rate-of-climb indicator
13. Left engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
14. Right engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
15. Carburetor air temperature gage for left and right engine
16. Fuel gage (main rear tank)
17. Hydraulic pressure gage
18. Landing gear position indicator: green - down
no light - in transition
red - up
19. Left engine ammeter
20. Right engine ammeter
21. Flaps lever
22. Left engine propeller pitch lever
23. Right engine propeller pitch lever
24. Left engine throttle
25. Right engine throttle
26. Elevator trim wheel
27. Landing gear lever

P-38 (http://www.flickr.com/photos/jamf_pics/3412045730/)



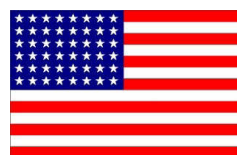


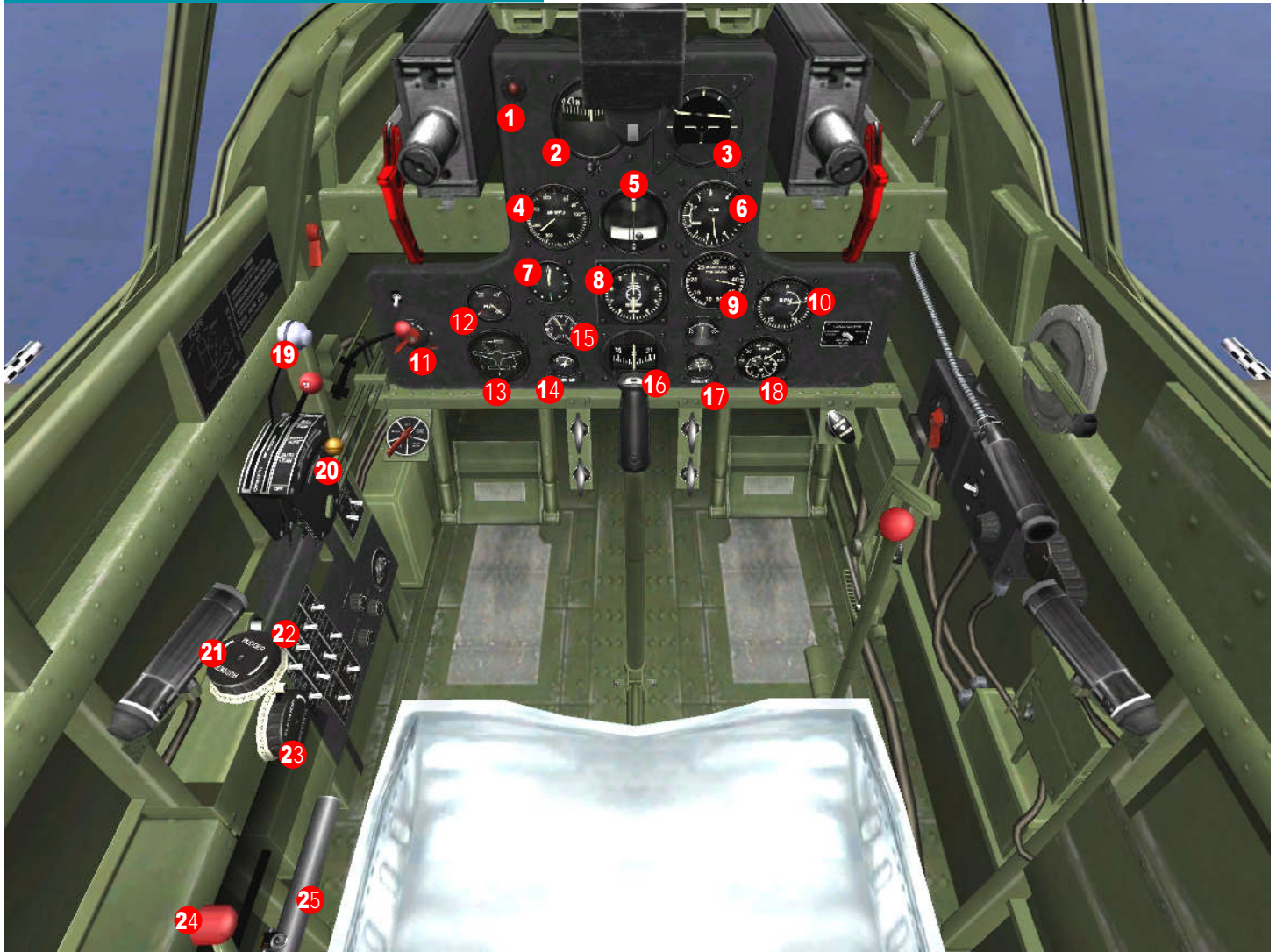
1. Altimeter
2. Remote reading compass
3. Landing gear warning light (throttle \leq 30%)
4. Directional gyro
5. Artificial horizon
6. Airspeed indicator
7. Rate-of-climb indicator
8. Turn and bank indicator
9. Manifold pressure gage
10. Coolant temperature gage
11. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
12. Fuel gage
13. Tachometer
14. Clock
15. Gear box oil pressure gage
16. Carburetor air temperature gage
17. Suction gage
18. Fuel pressure indicator light
19. Throttle
20. Propeller pitch lever

P-39Q (<http://www.flightfactory.com/airplane-gallery/bell-p-39-photos.php>)



P-39Q (<http://uscockpits.com/Early%20Fighters/P-39Q%20Airacobra.JPG>)





1. Coolant temperature **warning light**

2. Directional gyro

3. **Artificial horizon**

4. **Airspeed indicator**

5. **Turn and bank indicator**

6. Rate-of-climb indicator

7. **Clock**

8. **Altimeter**

9. **Manifold pressure gage**

10. Tachometer

11. Engine ignition switch

12. Fuel gage

13. Flaps and landing gear position indicator

14. Carburetor air temperature gage

15. Suction gage

16. Magnetic compass

17. Coolant temperature gage

18. Engine gage: **oil temperature** (top)
oil pressure (left)
fuel pressure (right)

19. **Throttle**

20. **Propeller pitch** lever

21. Rudder trim wheel

22. Aileron trim electrical switch

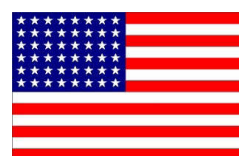
23. **Elevator trim wheel**

24. **Flaps lever**

25. Landing gear lever



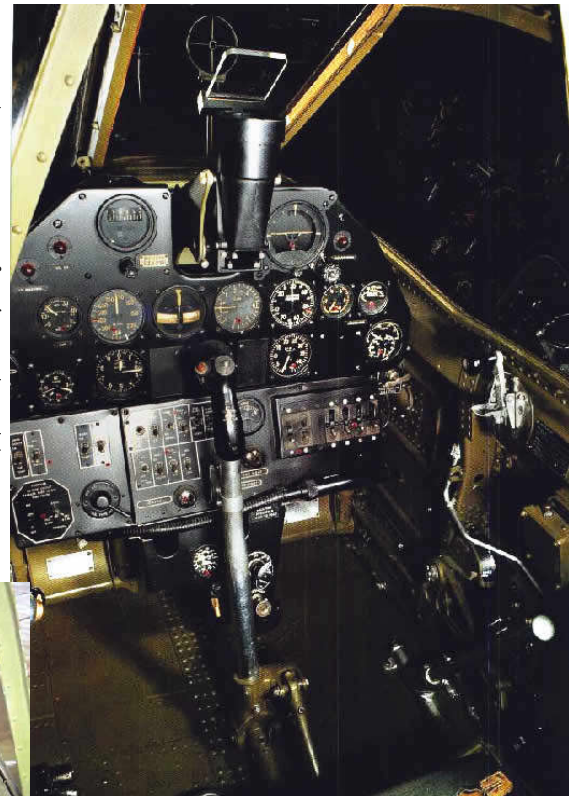
P-40B (<http://lend-lease.airforce.ru/english/index.htm>)



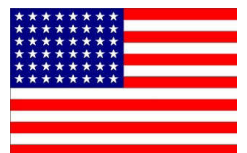


1. Low fuel warning light
2. Directional gyro
3. Artificial horizon
4. Coolant temperature warning light
5. Landing gear failure warning light
6. Turn and bank indicator
7. Airspeed indicator
8. Altimeter
9. Rate-of-climb indicator
10. Manifold pressure gage
11. Carburetor air temperature gage
12. Coolant temperature gage
13. Flaps and landing gear position indicator
14. Clock
15. Tachometer
16. Magnetic compass
17. Oil pressure gage
18. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
19. Position lights switch
20. Instrument light switch
21. Throttle
22. Propeller pitch lever

P-40E (<http://uscocpilot.com/Early%20fighters/P-40%20Warhawk.JPG>)



P-40 Warhawk (<http://uscocpilot.com/>)

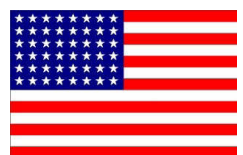




1. Landing gear **position indicator**: green - down
no light - in transition
red - up
2. **Clock**
3. Directional gyro
4. **Artificial horizon**
5. Turbo-supercharger tachometer
6. **Fuel gage**
7. **Airspeed indicator**
8. **Turn and bank indicator**
9. Rate-of-climb indicator
10. **Altimeter**
11. Engine gage: **oil temperature** (top)
oil pressure (left)
fuel pressure (right)
12. Suction gage
13. **Magnetic compass**
14. **Manifold pressure gage**
15. Engine **tachometer**
16. Cylinder head **temperature gage**
17. **Accelerometer**
18. Carburetor air temperature gage
19. Water (ADI) pressure gage
20. **Low fuel warning light**
21. **Throttle**
22. **Propeller pitch lever**
23. Landing gear lever
24. Flaps lever



P-47D (<http://gensso.romeina.fr/clockp.htm>)





1. Landing gear **position indicator**: green - down
no light - in transition
red - up

2. **Clock**

3. Directional gyro

4. **Artificial horizon**

5. Carburetor air temperature gage

6. **Airspeed indicator**

7. **Altimeter**

8. **Turn and bank indicator**

9. Rate-of-climb indicator

10. **Magnetic compass**

11. **Manifold pressure gage**

12. Engine **tachometer**

13. Engine gage: oil **temperature** (top)

oil pressure (left)

fuel pressure (right)

14. Turbo-supercharger tachometer

15. **Accelerometer**

16. Suction gage

17. Water (ADI) pressure gage

18. **Low fuel warning light**

19. **Fuel gage**

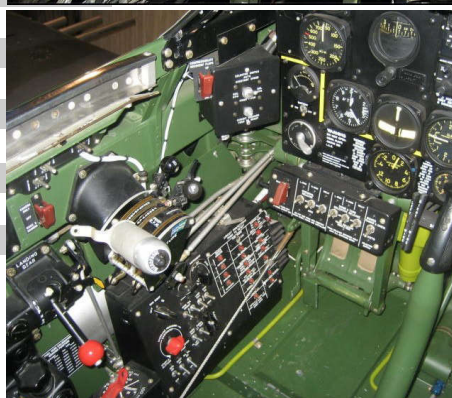
20. Cylinder head **temperature gage**

21. Propeller pitch lever

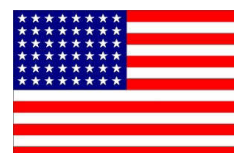
22. Throttle

23. Landing gear lever

24. Flaps lever

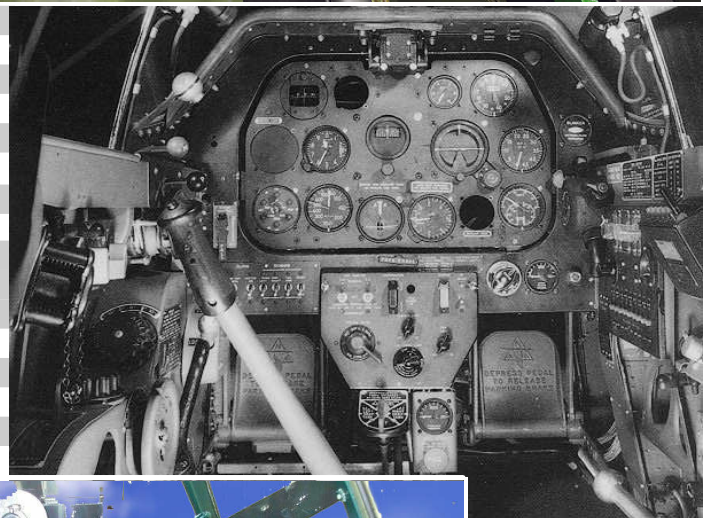


P-47D (<http://www.w2aircraft.net>)





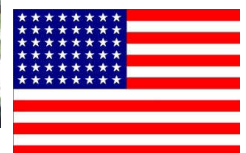
1. Remote reading compass
2. Clock
3. Suction gage
4. Manifold pressure gage
5. Altimeter
6. Directional gyro
7. Artificial horizon
8. Tachometer
9. Landing gear position indicator: green - down
no light - in transition
red - up
10. Airspeed indicator
11. Turn and bank indicator
12. Rate-of-climb indicator
13. Coolant temperature gage
14. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
15. Supercharger warning light
16. Throttle
17. Propeller pitch lever
18. Rudder trim wheel
19. Aileron trim wheel
20. Elevator trim wheel
21. Landing gear lever
22. Flaps lever
- 23 & 24. Left / Right fuel gage
(3rd fuel gage at left hand side of headrest)



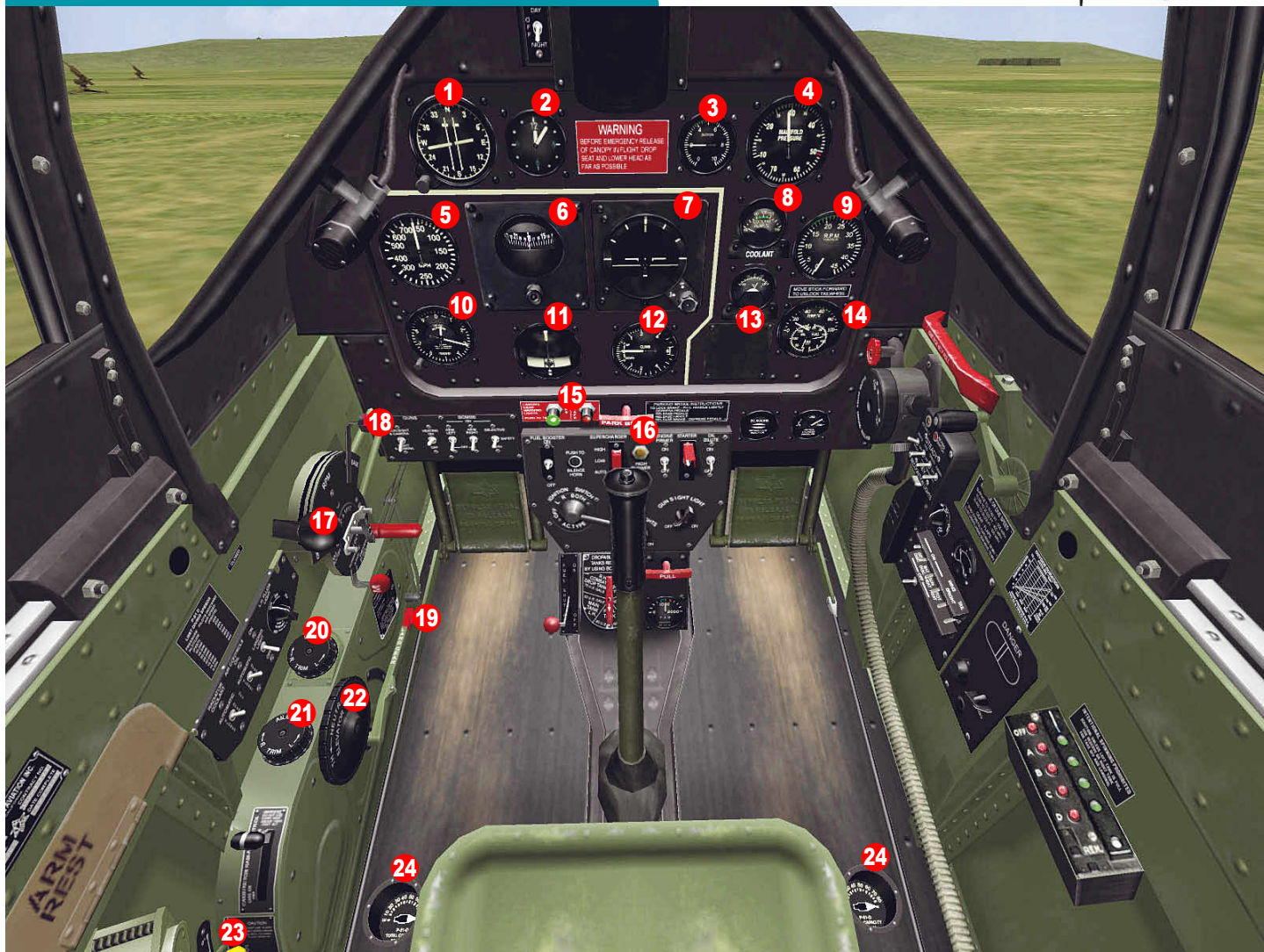
P-51B (<http://uscockpits.com/>)



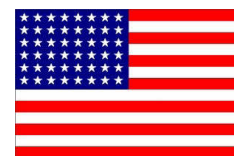
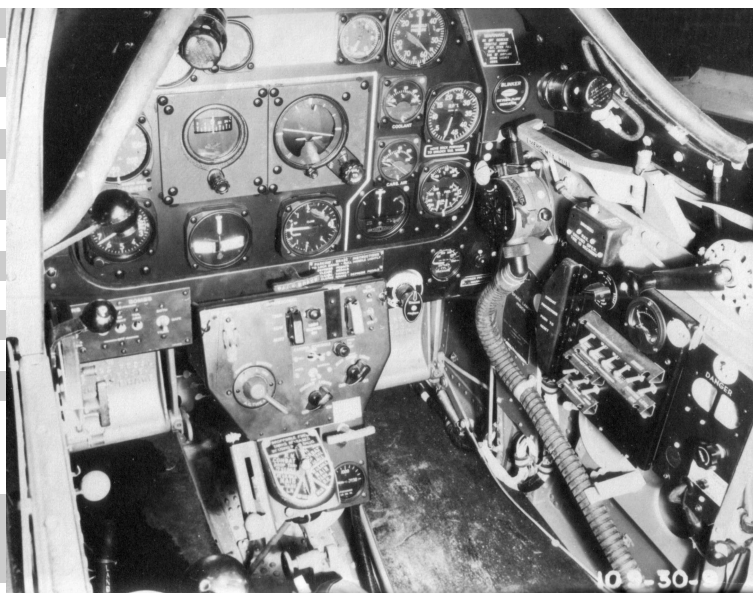
P-51C (<http://www.506thfightergroup.org/p51.asp>)



North American P-51D-5NT Mustang



1. Remote reading compass
2. Clock
3. Suction gage
4. Manifold pressure gage
5. Airspeed indicator
6. Directional gyro
7. Artificial horizon
8. Coolant temperature gage
9. Tachometer
10. Altimeter
11. Turn and bank indicator
12. Rate-of-climb indicator
13. Carburetor air temperature gage
14. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
15. Landing gear position indicator: green - down
no light - in transition
red - up
16. Supercharger warning light
17. Throttle
18. Propeller pitch lever
19. Landing gear lever
20. Rudder trim wheel
21. Aileron trim wheel
22. Elevator trim wheel
23. Flaps lever
24. Fuel gage (3rd fuel gage at left hand side of headrest)



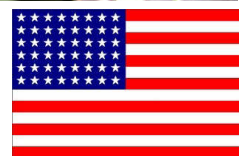
North American P-51D-20NA Mustang



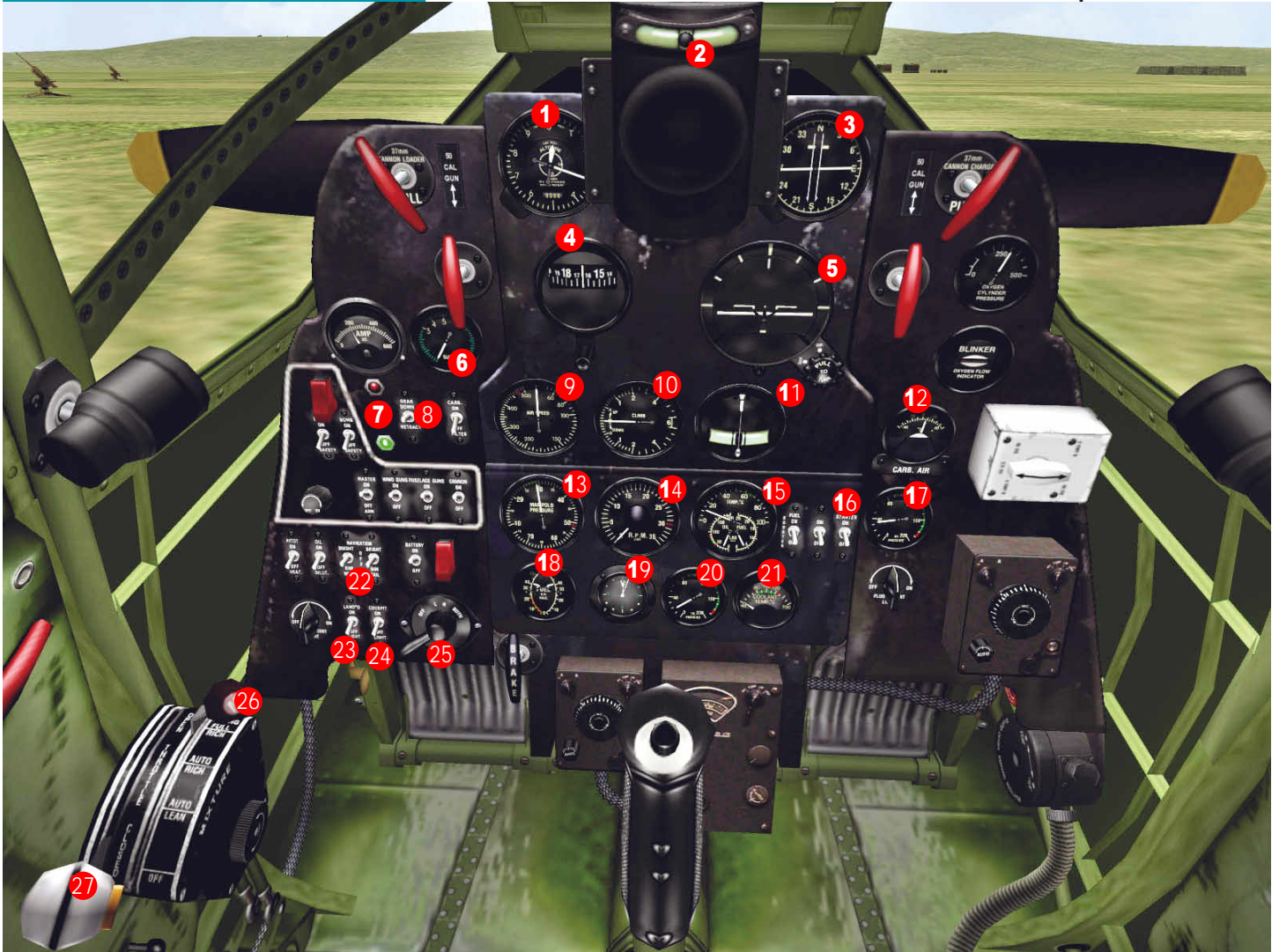
1. K-14 mode selector knob
2. K-14 gunsight wingspan selector
3. Remote reading compass
4. Clock
5. Suction gage
6. Manifold pressure gage
7. Airspeed indicator
8. Directional gyro
9. Artificial horizon
10. Coolant temperature gage
11. Tachometer
12. Altimeter
13. Turn and bank indicator
14. Rate-of-climb indicator
15. Carburetor air temperature gage
16. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
17. Landing gear position indicator: green - down
no light - in transition
red - up
18. Supercharger warning light
19. Throttle
20. Propeller pitch lever
21. Rudder trim wheel
22. Aileron trim wheel
23. Elevator trim wheel
24. Landing gear lever
25. Flaps lever
26. Fuel gage (3rd fuel gage at left hand side of headrest)



P-51D-20NA (<http://umtdvtdvdr.blogspot.com/2007/08/www-aircraft-view-from-cockpit.html>)

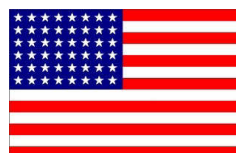


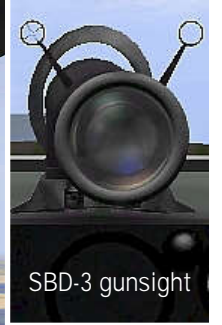
Bell P-63C-5 Kingcobra



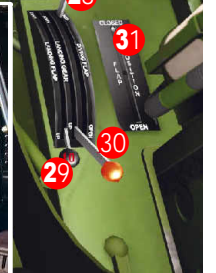
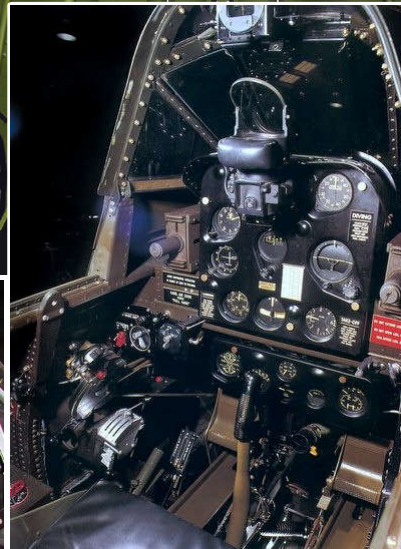
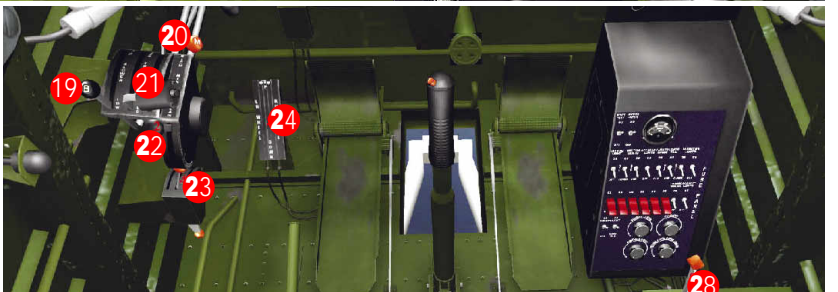
1. Altimeter
2. Bank indicator
3. Remote reading compass
4. Directional gyro
5. Artificial horizon
6. Suction gage
7. Landing gear **position indicator: green - down**
no light - in transition
red - up
8. Landing gear switch
9. **Airspeed indicator**
10. Rate-of-climb indicator
11. **Turn and bank indicator**
12. Carburetor air temperature gage
13. **Manifold pressure gage**
14. **Tachometer**
15. Engine gage: **oil temperature (top)**
oil pressure (left)
fuel pressure (right)
16. Starter switch
17. **Oil system pressure gage**
18. **Fuel gage**
19. **Clock**
20. Gear box **oil pressure gage**
21. Coolant temperature gage
22. Position lights switches
23. Landing light switch
24. Cockpit light switch
25. Engine ignition switch
26. Propeller pitch lever
27. Throttle

P-63 (http://www.adventure.de/en02/02/ren02_p63cockpit.jpg)



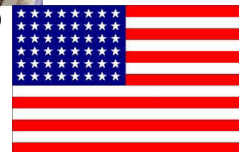


1. Magnetic compass
2. Tachometer
3. Manifold pressure gage
4. Altimeter
5. Directional gyro
6. Artificial horizon
7. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
8. Airspeed indicator
9. Turn and bank indicator
10. Rate-of-climb indicator
11. Engine ignition switch
12. Radiator lever
13. Clock
14. Cylinder head temperature gage
15. Suction gage
16. Oil temperature gage
17. Fuel gage
18. Engine starter
19. Supercharger lever: rear position - stage 1
front position - stage 2
20. Mixture lever
21. Throttle
22. Propeller pitch lever
23. Bomb release lever
24. Landing gear position indicator
25. Aileron trim wheel
26. Elevator trim wheel
27. Rudder trim wheel
28. Diving flaps lever
29. Flaps lever
30. Landing gear lever
31. Flaps position indicator



SBD-5 (<http://www.wwiivehicles.com/usa/default.asp>)

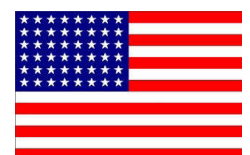
SBD-3 (<http://uscockpits.com>)



Lockheed YP-80 Shooting Star



1. K-14 gunsight wingspan selector
2. Landing gear position indicator: green - down
no light - transition
red - up
3. Airspeed indicator
4. Directional gyro
5. Artificial horizon
6. Tachometer
7. Altimeter
8. Turn and bank indicator
9. Rate-of-climb indicator
10. Remote reading compass
11. Burner ring fuel pressure gage
12. Tailpipe temperature gage
13. Emergency fuel pump indicator lights (total fuel < 50 %)
14. Elevator trim neutral indicator light
15. Clock
16. Fuselage (main) tank fuel gage
17. Fuselage tank low fuel warning light (total fuel reserve \pm 20 %)
18. Engine fire warning light
19. Rear bearing temperature gage
20. Engine oil pressure gage
21. Accelometer
22. Instrument pressure gage
23. Throttle
24. Engine shut-off lever
25. Landing gear lever



UNION OF SOVIET SOCIALIST REPUBLICS





1. Airspeed indicator

2. Ammeter

3. Altimeter

4. Turn and bank indicator

5. Oil & air pressure gage

6. Engine Status 1

7. Engine Status 2

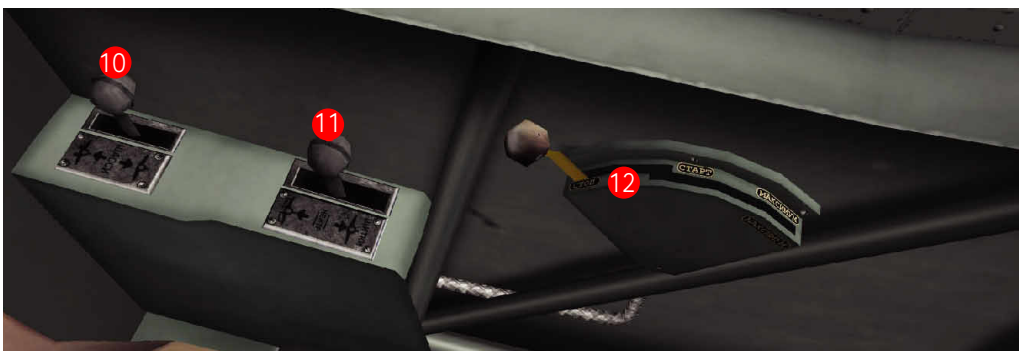
8. Landing gear **position indicator: green - down**
no light - transition
red - up

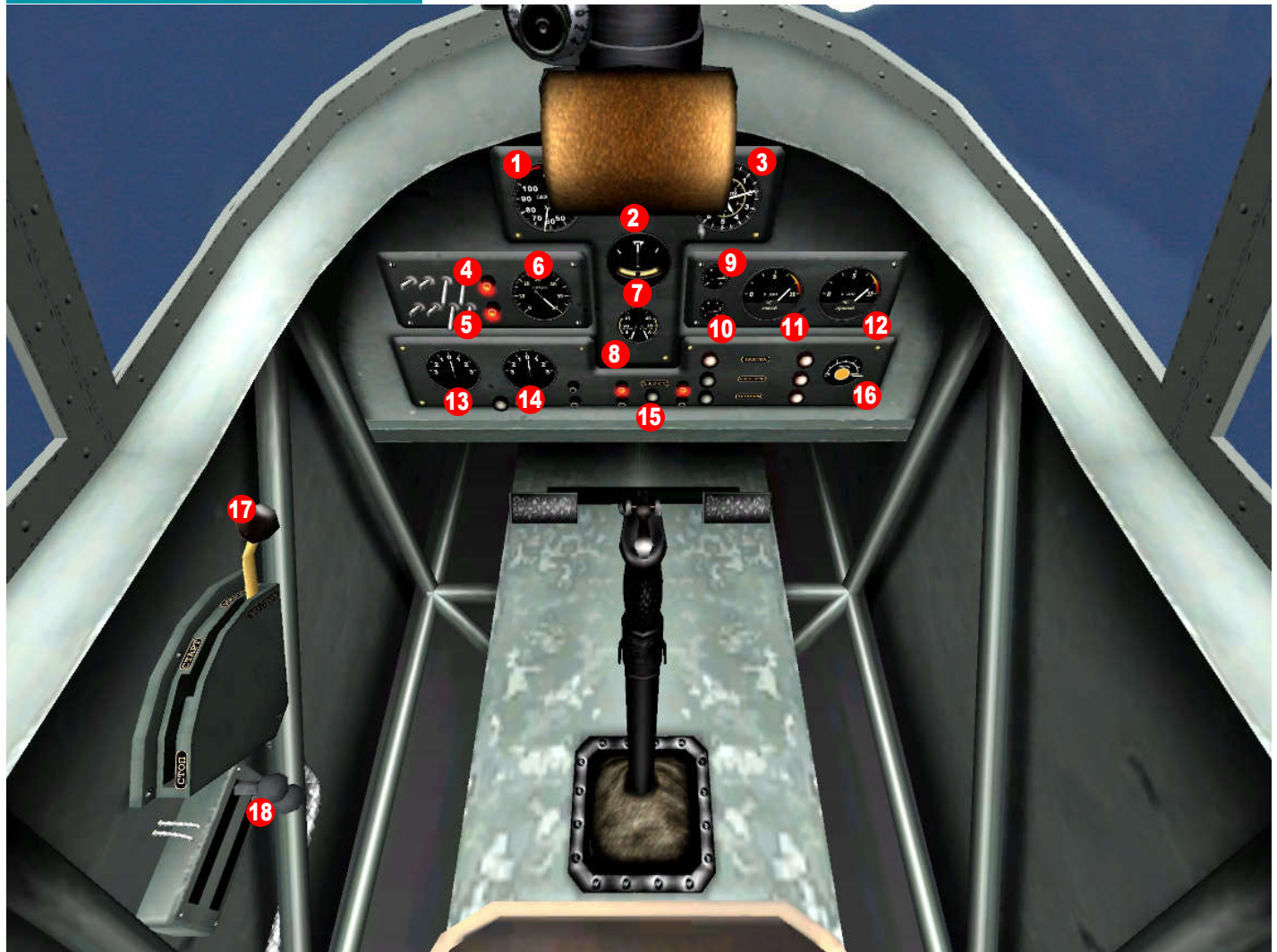
9. Fuel gage

10. Landing gear lever

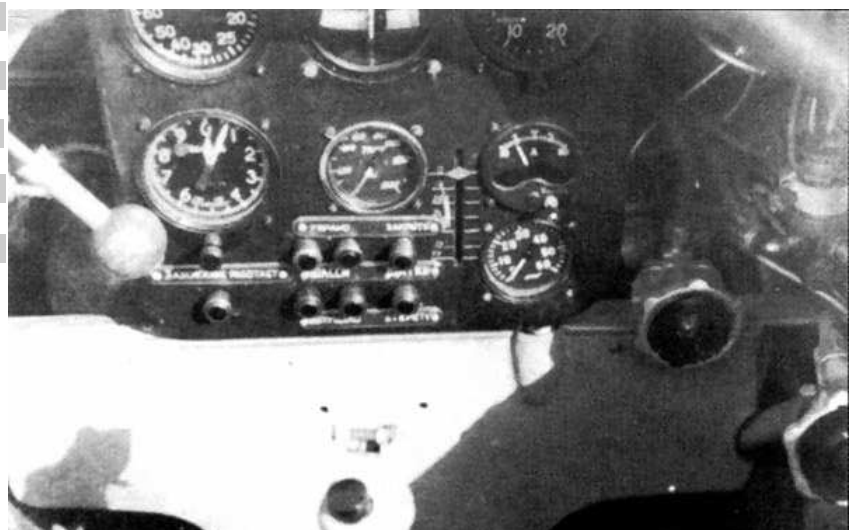
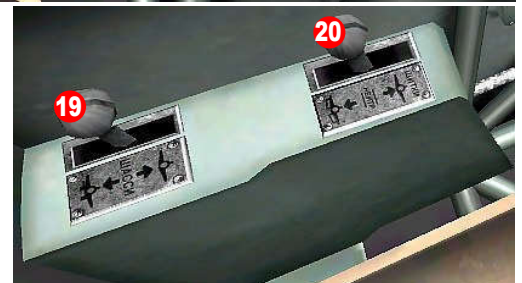
11. Flaps lever

12. Throttle





1. Airspeed indicator
2. Ammeter
3. Altimeter
4. Engine-on light (left wingtip rocket)
5. Engine-on light (right wingtip rocket)
6. Fuel gage (wingtip rockets)
7. Turn and bank indicator
8. Oil & air pressure gage
9. Fuel pressure gage (left wingtip rocket)
10. Fuel pressure gage (right wingtip rocket)
11. Exhaust temperature gage (left wingtip rocket)
12. Exhaust temperature gage (right wingtip rocket)
13. Engine Status 1
14. Engine Status 2
15. Landing gear position indicator
16. Fuel gage
17. Throttle
18. Wingtip rockets throttle
19. Landing gear lever
20. Flaps lever



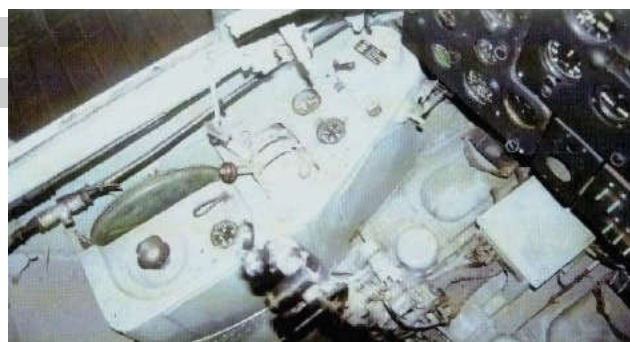
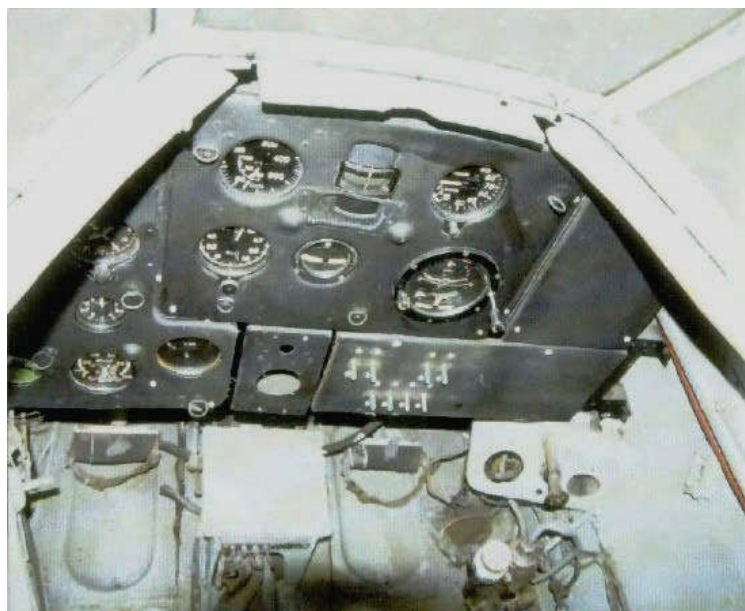


1. Landing gear position indicator: up - gear down
down - gear up
2. Airspeed indicator
3. Magnetic compass
4. Variometer
5. Clock
6. Manifold pressure gage
7. Altimeter
8. Turn and bank indicator
9. Artificial horizon
10. Landing gear position indicator: green - down
no light - transition
red - up
11. Coolant temperature gage
12. Tachometer
13. Engine oil-in temperature gage
14. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
15. Fuel gage
16. Throttle
17. Flaps lever
18. Landing gear lever
19. Brake lever

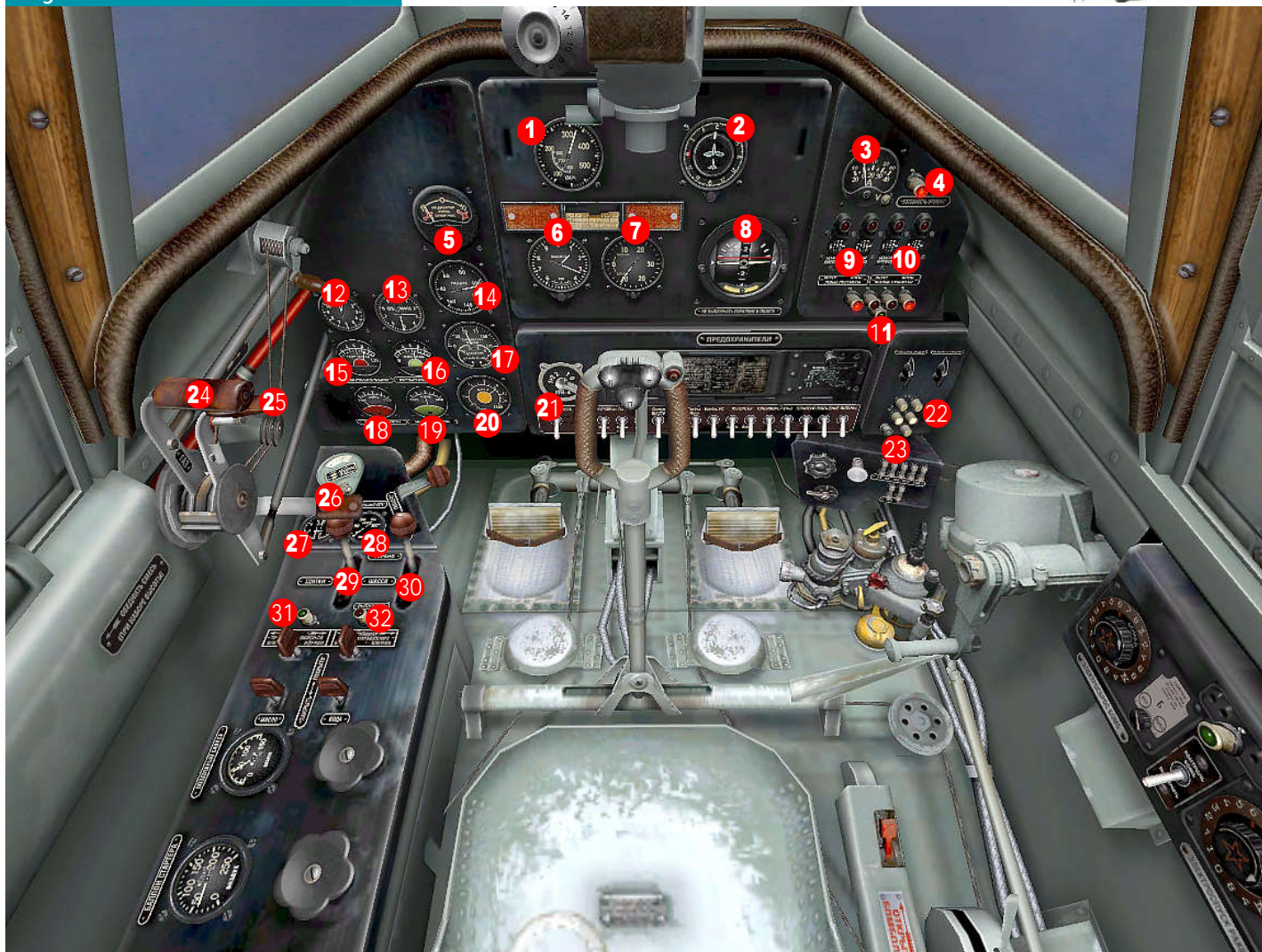




1. Landing gear position indicator: up - gear down
down - gear up
2. Airspeed indicator
3. Magnetic compass
4. Variometer
5. Clock
6. Manifold pressure gage
7. Altimeter
8. Turn and bank indicator
9. Artificial horizon
10. Landing gear position indicator: green - down
no light - transition
red - up
11. Coolant temperature gage
12. Tachometer
13. Engine oil-in temperature gage
14. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
15. Fuel gage
16. Throttle
17. Flaps lever
18. Landing gear lever
19. Brake lever



Ilyushin IL-10 Beast

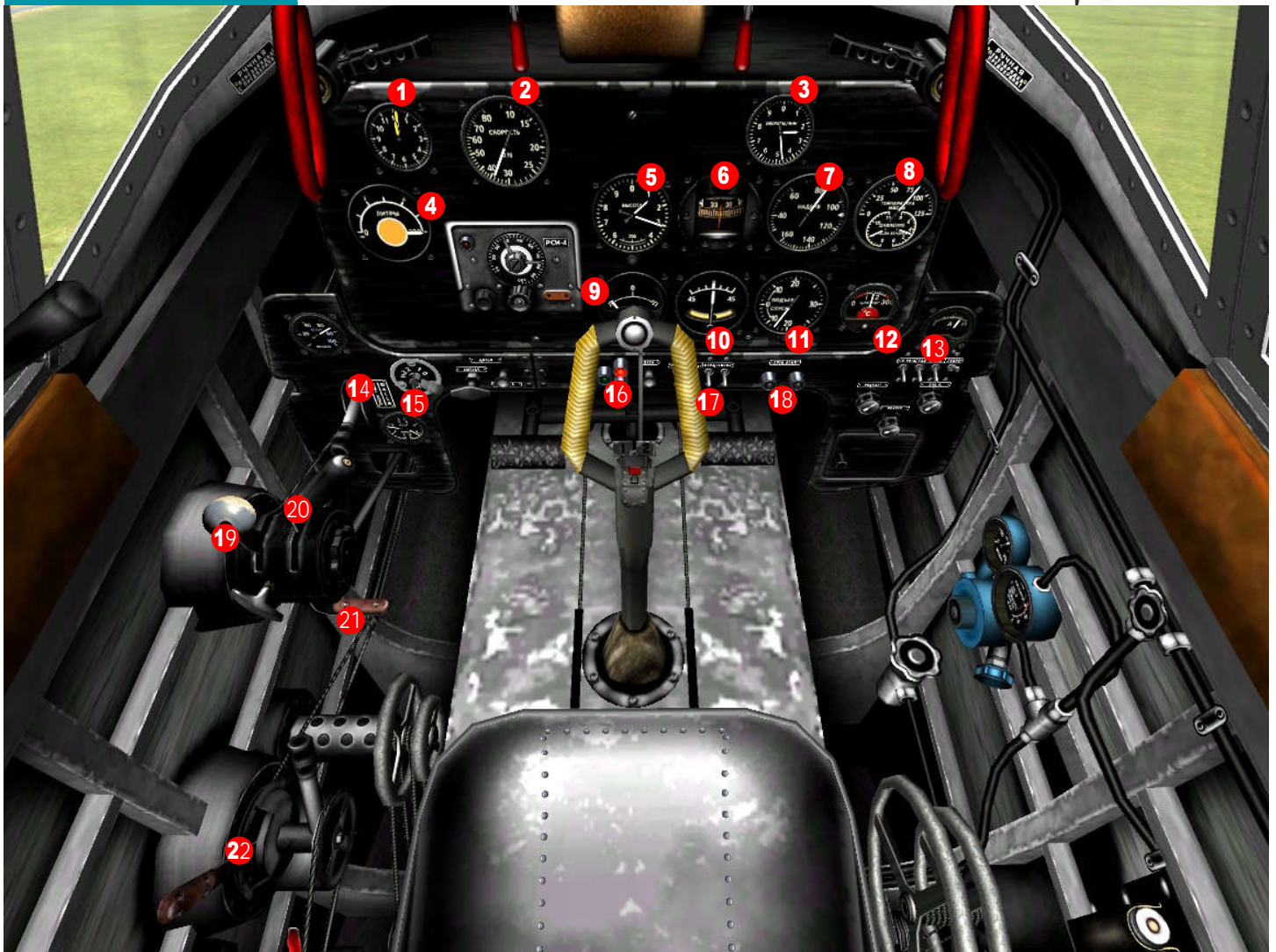


1. Airspeed indicator
2. Magnetic compass
3. Ammeter
4. Guns charged indicator light
5. Pilot's Direction Indicator
6. Altimeter
7. Variometer
8. Artificial horizon / turn and bank indicator
9. Left MG & cannon ammunition counters & warning lights
10. Right MG & cannon ammunition counters & warning lights
11. Landing gear position indicator
12. Clock
13. Tachometer
14. Manifold pressure gage
15. Engine oil-in temperature gage
16. Coolant temperature gage
17. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
18. Oil radiator position indicator
19. Water radiator position indicator
20. Fuel gage
21. Engine ignition switch
22. External ordnance status: upper lights - belly bombs
(switched on - no bomb) lower lights - wing bombs
23. Bomb bay opening door warning light
24. Throttle
25. Mixture lever
26. Propeller pitch lever
27. Brake pressure gage
28. Compressed air pressure gage
29. Flaps lever
30. Landing gear lever
31. Flaps full open indicator light
32. Landing gear lever down indicator light



II-10 (http://www.i10.cz/index_ENG.htm)

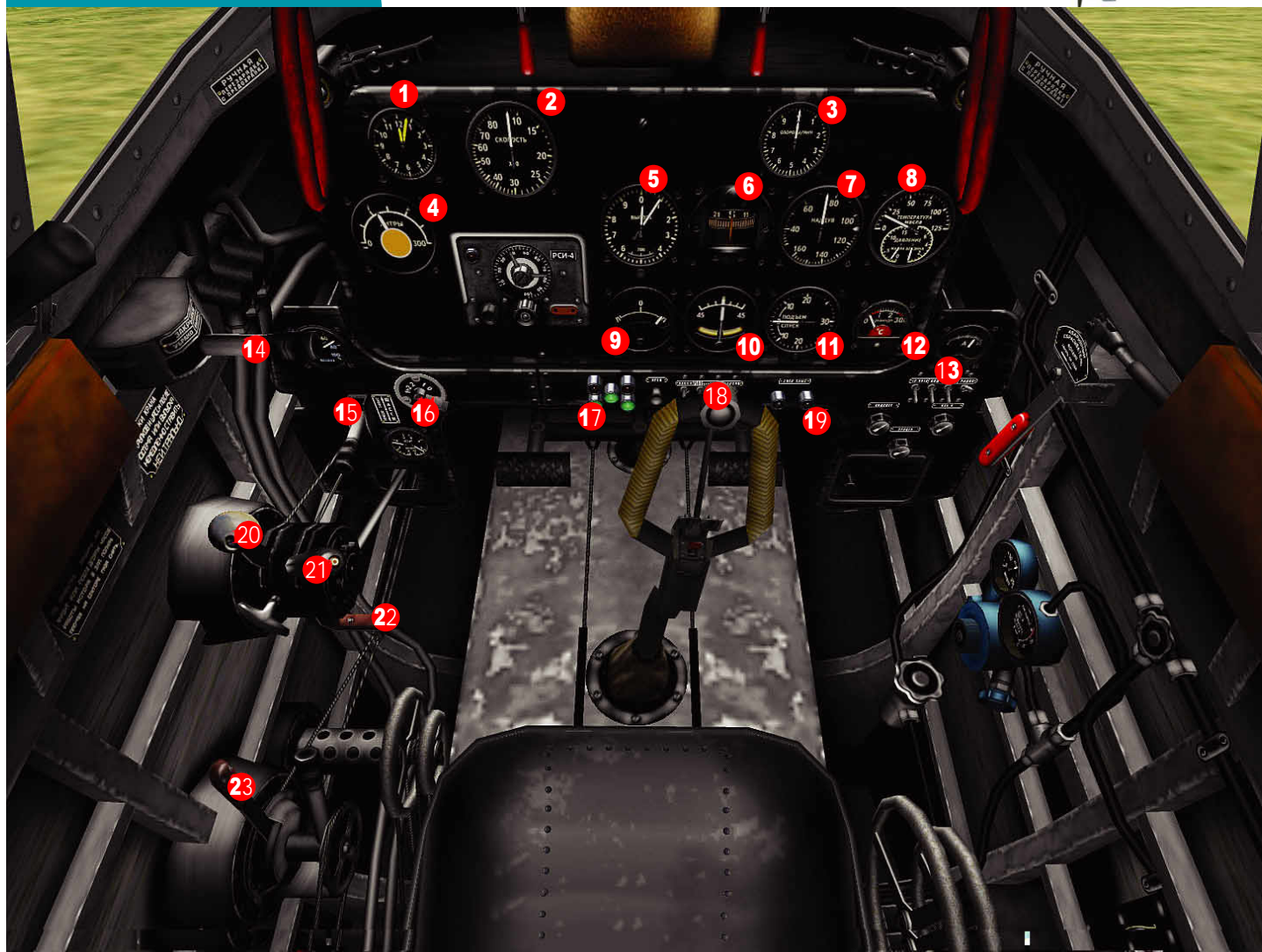




1. Clock
2. Airspeed indicator
3. Tachometer
4. Fuel gage
5. Altimeter
6. Magnetic compass
7. Manifold pressure gage
8. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
9. Pilot's Direction Indicator
10. Turn and bank indicator
11. Variometer
12. Cylinder head temperature gage
13. Position lights switch
14. Landing gear lever
15. Engine ignition switch
16. Landing gear position indicator: green - down
no light - in transition
red - up
17. Landing light switch
18. External ordnance status lights
19. Mixture lever: rear position - leaner mixture
front position - richer mixture
20. Throttle
21. Propeller pitch lever
22. Supercharger lever: rear position - stage 1
front position - stage 2



Lavochkin La-5F / FN



1. Clock
2. Airspeed indicator
3. Tachometer
4. Fuel gage
5. Altimeter
6. Magnetic compass
7. Manifold pressure gage
8. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
9. Pilot's Direction Indicator
10. Turn and bank indicator
11. Variometer
12. Cylinder head temperature gage
13. Position lights switch
14. Flaps lever
15. Landing gear lever
16. Engine ignition switch
17. Landing gear position indicator: green - down
no light - in transition
red - up
18. Landing light switch
19. External ordnance status lights
20. Mixture lever: rear position - leaner mixture
front position - richer mixture
21. Throttle
22. Propeller pitch lever
23. Supercharger lever: rear position - stage 1
front position - stage 2

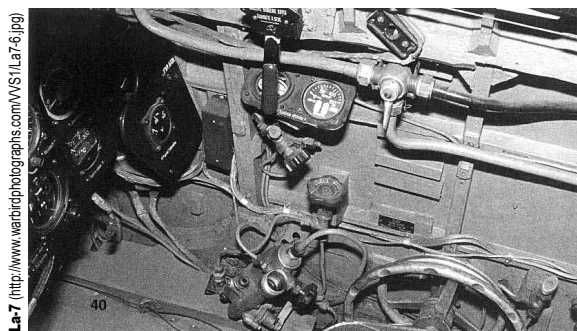




1. Clock
2. Altimeter
3. Magnetic compass
4. Pilot's Direction Indicator
5. Landing light switch
6. Landing gear **position indicator: green - down red - up**
7. Airspeed indicator
8. Turn and bank indicator
9. Variometer
10. Fuel gage
11. External ordnance status lights
12. Flaps lever
13. Instrument light switch
14. Position lights switch
15. Landing gear **lever**
16. **Engine** ignition switch
17. **Manifold pressure gage**
18. **Tachometer**
19. Engine gage: **oil temperature** (top)
oil pressure (left)
fuel pressure (right)
20. Cylinder head **temperature gage**
21. **Mixture** lever: **rear position - leaner mixture**
front position - richer mixture
22. **Throttle**
23. **Propeller pitch lever**
24. **Supercharger lever: rear position - stage 1**
front position - stage 2

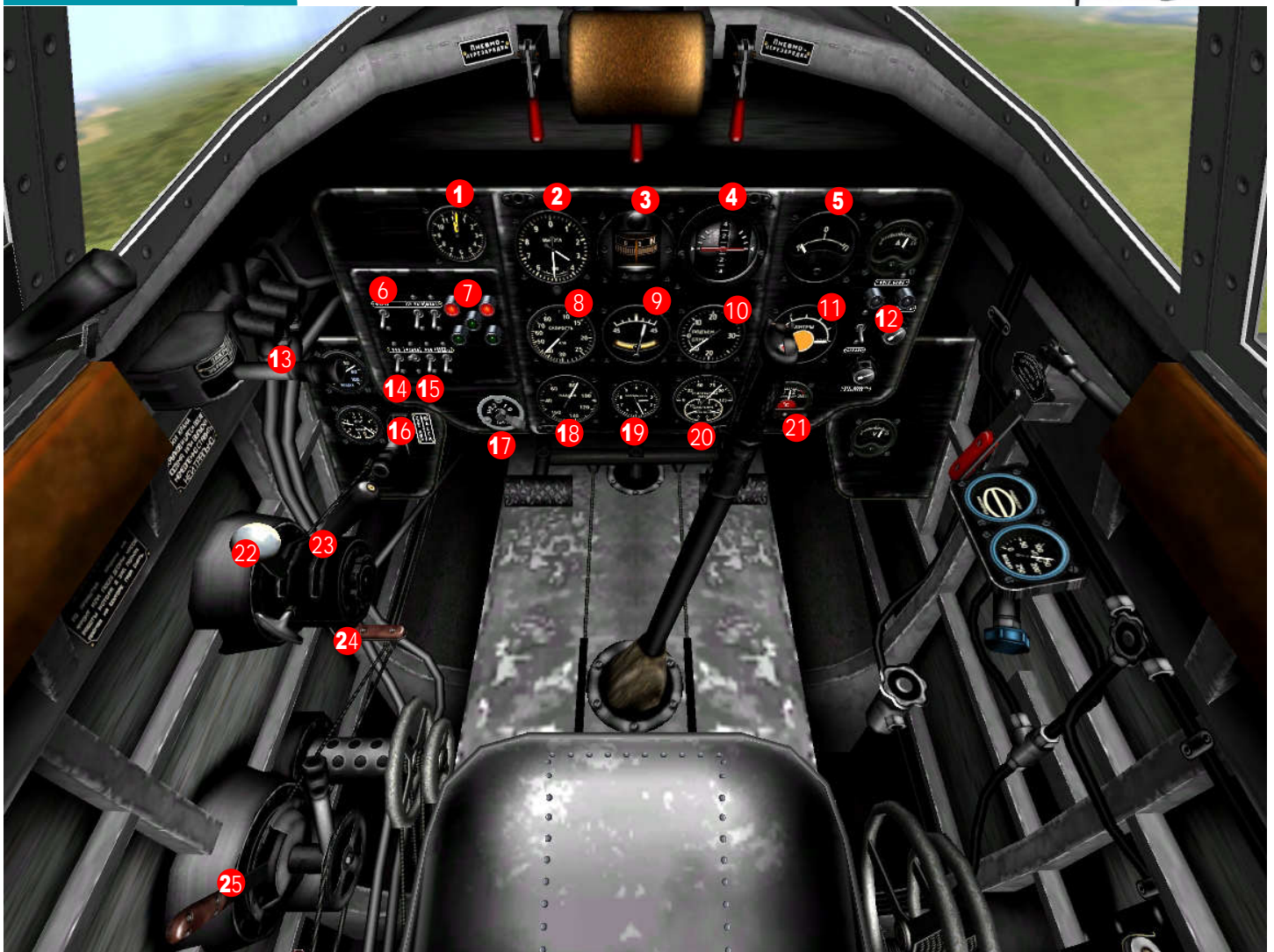


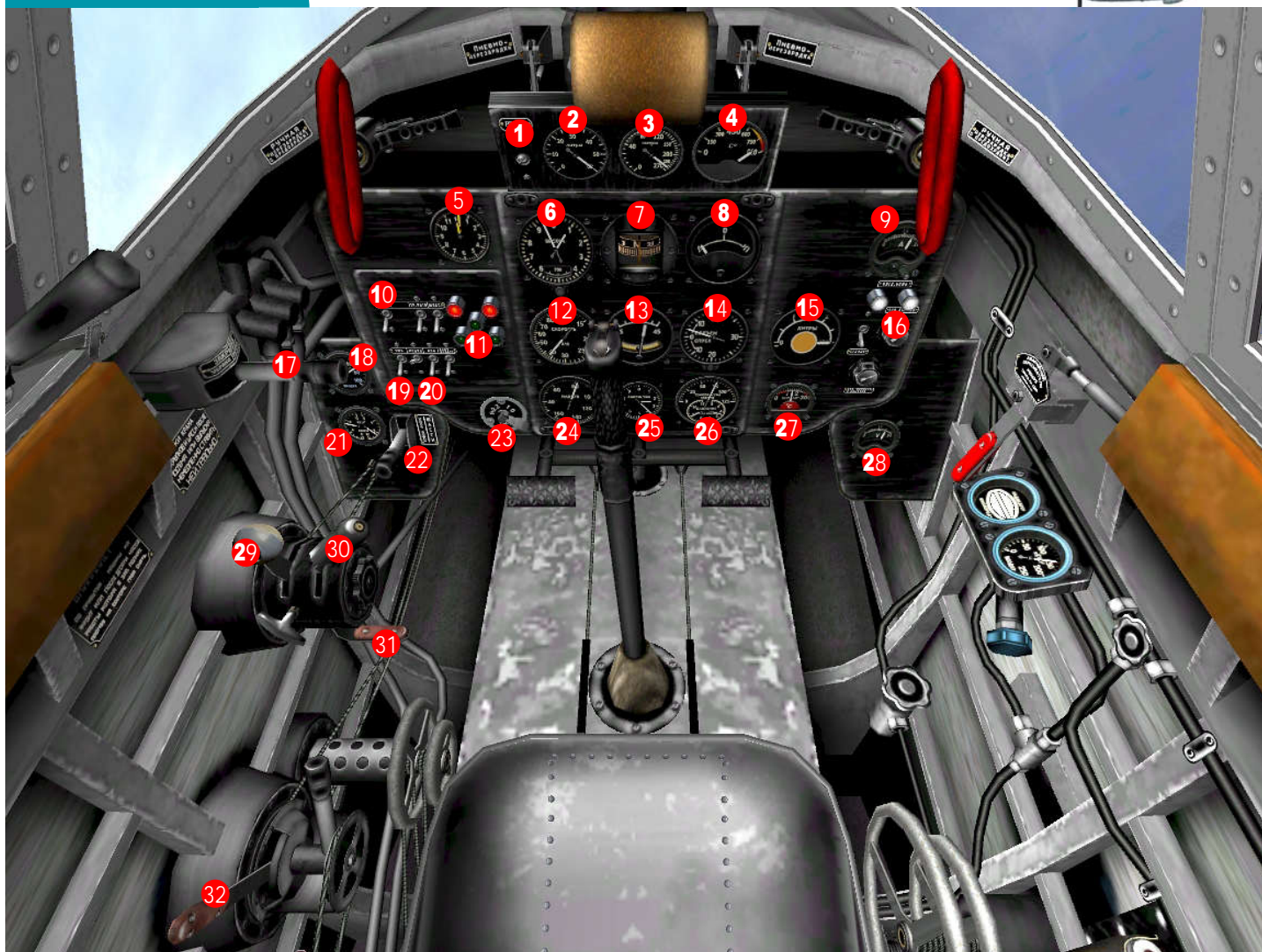
La-7 (<http://www.warbirdphotographs.com/VV1/La7-5.jpg>)



La-7 (<http://www.warbirdphotographs.com/VV1/La7-6.jpg>)



**1. Clock****2. Altimeter****3. Magnetic compass****4. Artificial horizon****5. Pilot's Direction Indicator****6. Landing light switch****7. Landing gear position indicator: green - down
red - up****8. Airspeed indicator****9. Turn and bank indicator****10. Variometer****11. Fuel gage****12. External ordnance status lights****13. Flaps lever****14. Instrument light switch****15. Position lights switch****16. Landing gear lever****17. Engine ignition switch****18. Manifold pressure gage****19. Tachometer****20. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)****21. Cylinder head temperature gage****22. Mixture lever: rear position - leaner mixture
front position - richer mixture****23. Throttle****24. Propeller pitch lever****25. Supercharger lever: rear position - stage 1
front position - stage 2**



- 1. Rocket engine switch
- 2. Rocket engine fuel gage
- 3. Rocket engine fuel gage
- 4. Rocket engine exhaust temperature gage
- 5. Clock
- 6. Altimeter
- 7. Magnetic compass
- 8. Pilot's Direction Indicator
- 9. Ammeter
- 10. Landing light switch
- 11. Landing gear position indicator: green - down
red - up
- 12. Airspeed indicator
- 13. Turn and bank indicator
- 14. Variometer
- 15. Fuel gage
- 16. External ordnance status light
- 17. Flaps lever
- 18. Compressed air pressure gage
- 19. Instrument light switch
- 20. Position lights switch
- 21. Brake pressure gage
- 22. Landing gear lever
- 23. Engine ignition switch
- 24. Manifold pressure gage
- 25. Tachometer
- 26. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
- 27. Cylinder head temperature gage
- 28. Voltmeter
- 29. Mixture lever
- 30. Throttle
- 31. Propeller pitch lever
- 32. Supercharger lever: rear position - stage 1
front position - stage 2



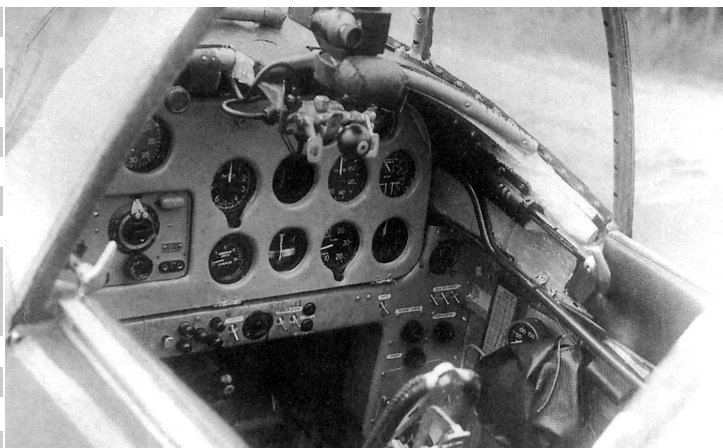


1. **Clock**
2. Low fuel warning light
3. **Altimeter**
4. **Magnetic compass**
5. **Manifold pressure gage**
6. Engine gage: **oil temperature** (top)
oil pressure (left)
fuel pressure (right)
7. **Oil temperature warning light** (cold & overheating)
8. **Airspeed indicator**
9. **Turn and bank indicator**
10. **Variometer**
11. Pilot's Direction Indicator
12. Engine oil-in **temperature gage**
13. **Tachometer**
14. **Fuel gage**
15. Landing gear **position indicator**: green - down
no light - transition
red - up
16. **Throttle**
17. **Propeller pitch** lever
18. Compressed air pressure gage
19. Brake pressure gage

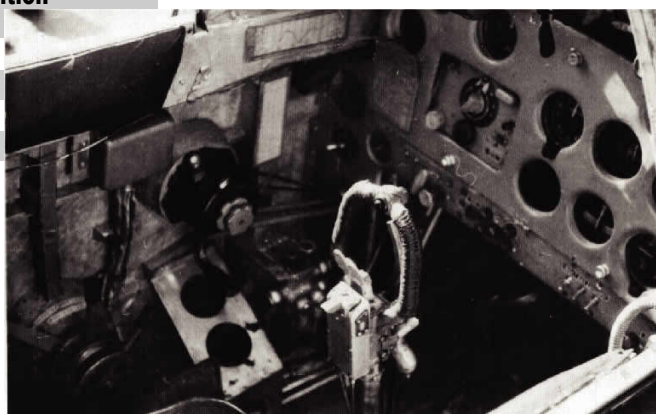




- 1. Clock
- 2. Airspeed indicator
- 3. Low fuel warning light
- 4. Tachometer
- 5. Fuel gage
- 6. Altimeter
- 7. Magnetic compass
- 8. Manifold pressure gage
- 9. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
- 10. Pilot's Direction Indicator
- 11. Turn and bank indicator
- 12. Oil temperature warning light (cold & overheating)
- 13. Variometer
- 14. Engine oil-in temperature gage
- 15. Landing gear position indicator: green - down
no light - transition
red - up
- 16. Throttle
- 17. Propeller pitch lever
- 18. Compressed air pressure gage
- 19. Brake pressure gage



LaGG-3 (http://www.warbirdphotographs.com/VIS/LAGG3-14.jpg)





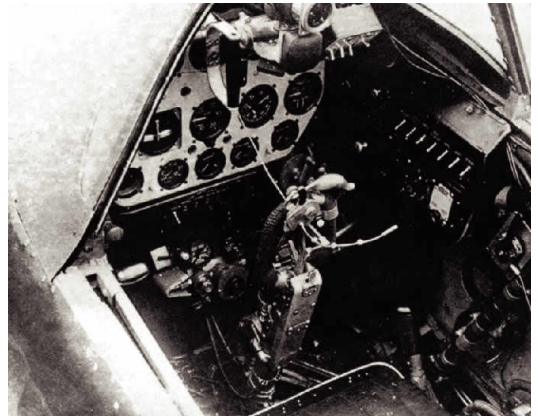
- 1. Clock
- 2. Airspeed indicator
- 3. Low fuel warning light
- 4. Fuel injection pressure gage
- 5. Oil pressure gage
- 6. Fuel gage
- 7. Altimeter
- 8. Magnetic compass
- 9. Exhaust gas pressure gage
- 10. Tachometer
- 11. Voltmeter
- 12. Pilot's Direction Indicator
- 13. Turn and bank indicator
- 14. Engine shutdown warning light
- 15. Variometer
- 16. Exhaust temperature gage
- 17. Ammeter
- 18. Internal system indicator
- 19. Landing gear position indicator: green - down
no light - transition
red - up
- 20. Throttle
- 21. Compressed air pressure gage
- 22. Brake pressure gage





- 1. Altimeter
- 2. Magnetic compass
- 3. Manifold pressure gage
- 4. Fuel gage
- 6. Airspeed indicator
- 5. Low fuel warning light
- 7. Turn and bank indicator
- 8. Variometer
- 9. Tachometer
- 10. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
- 11. Clock
- 12. Compressed air pressure gage
- 13. Brake pressure gage
- 14. Coolant temperature gage
- 15. Engine oil-in temperature gage
- 16. Landing gear lever
- 17. Landing gear position indicator: red - down
no light - transition
green - up
- 18. Gear break lever
- 19. Propeller pitch lever
- 20. Throttle
- 21. Flaps position indicator

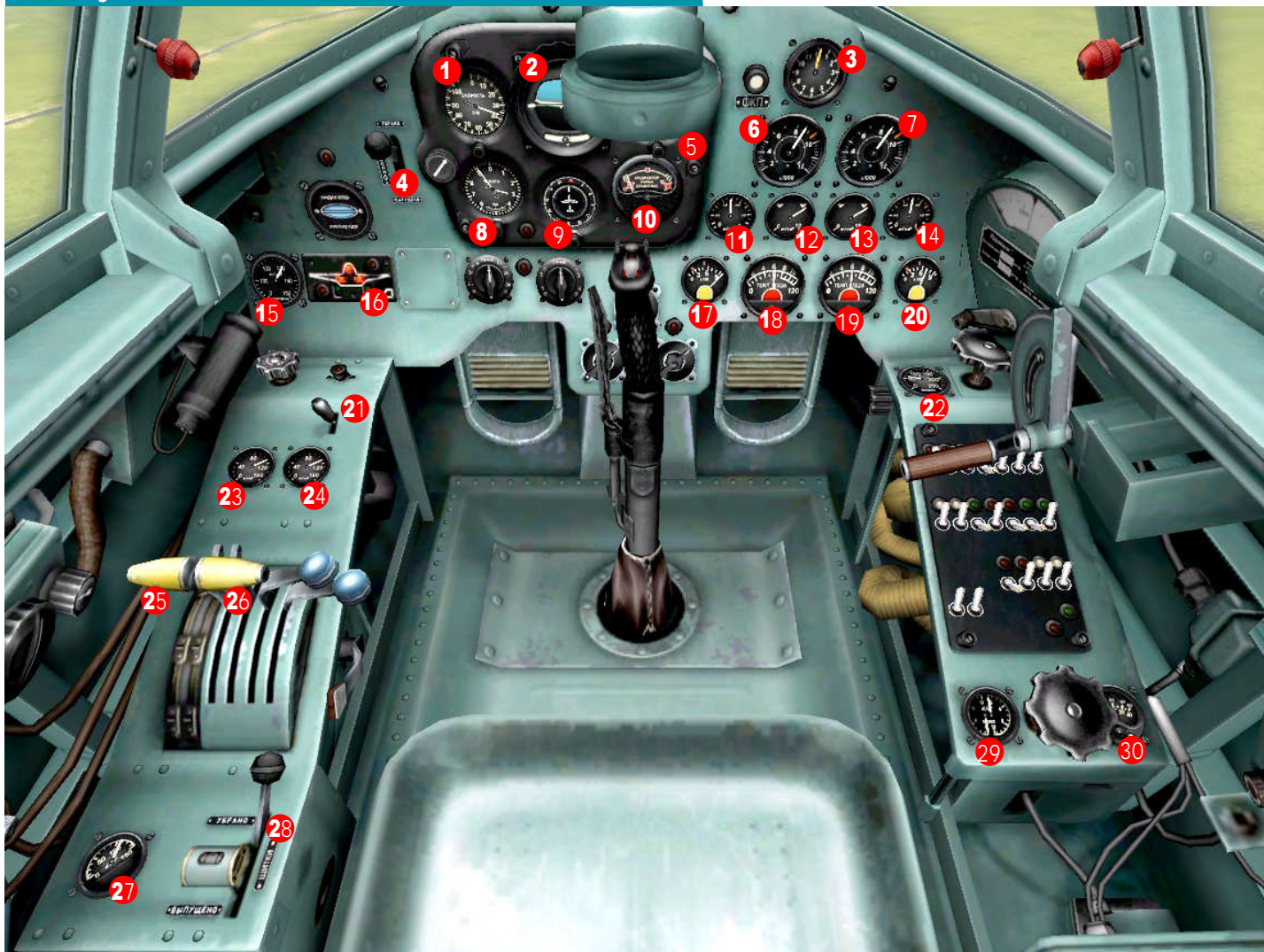
MiG-3 (<http://mig3.sovietplanes.com/mig3/cockpit.html>)



MiG-3 (<http://mig3.sovietplanes.com/mig3/yurir/nasa/ia3.htm>)



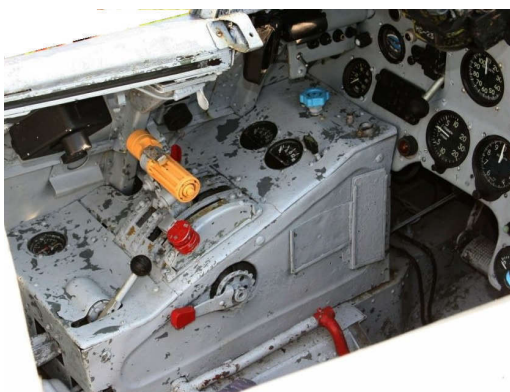
Mikoyan-Gurevich MiG-9 F2 (I-300) / FS



1. Airspeed indicator
2. Artificial horizon / turn and bank indicator
3. Clock
4. Landing gear lever
5. Variometer
6. Left engine tachometer
7. Right engine tachometer
8. Altimeter
9. Compass
10. Pilot's Direction Indicator
11. Left engine exhaust pressure gage
12. Left engine oil pressure gage
13. Right engine oil pressure gage
14. Right engine exhaust pressure gage
15. Oxygen quantity gage
16. Landing gear position indicator
17. Fuel gage (tank 1)
18. Left engine exhaust gas temperature gage
19. Right engine exhaust gas temperature gage
20. Fuel gage (tank 2)
21. Elevator trim lever
22. Compressed air pressure gage
23. Left engine fuel pressure gage
24. Right engine fuel pressure gage
25. Left engine throttle
26. Right engine throttle
27. Brake pressure gage
28. Flaps lever
29. Hydraulic pressure gage
30. Ammeter



MiG-9 (http://scalemodels.ru/modules/photos/viewcat_cid_270.html)





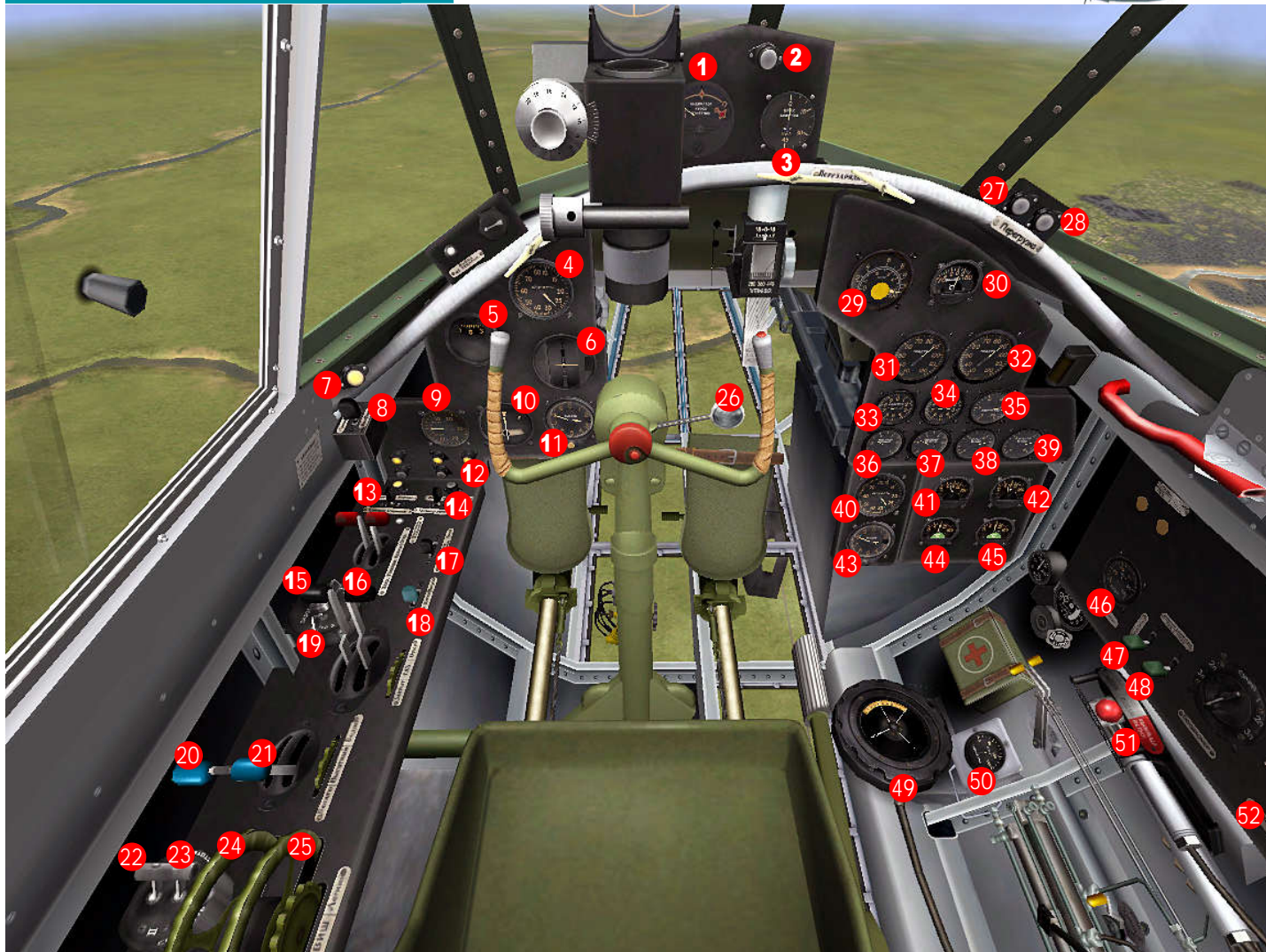
1. Altimeter
2. Magnetic compass
3. Clock
4. Ammeter
5. Voltmeter
6. Low fuel warning light
7. Engine oil-in temperature gage
8. Coolant temperature gage
9. Engine ignition switch
10. Airspeed indicator
11. Artificial horizon / turn and bank indicator
12. Variometer
13. Fuel gage
14. Motorjet engine exhaust temperature gage
15. Motorjet engine pressurization gage
16. Landing gear lever & position indicator: green - down
no light - transition
red - up
17. Motorjet engine exhaust pressure gage
18. Motorjet engine fuel pressure gage
19. Manifold pressure gage
20. Tachometer
21. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
22. Throttle
23. Flaps lever
24. Propeller pitch lever
25. Mixture lever
26. Motorjet engine throttle
27. Motorjet engine ignition lever
28. Elevator trim wheel
29. Rudder trim wheel





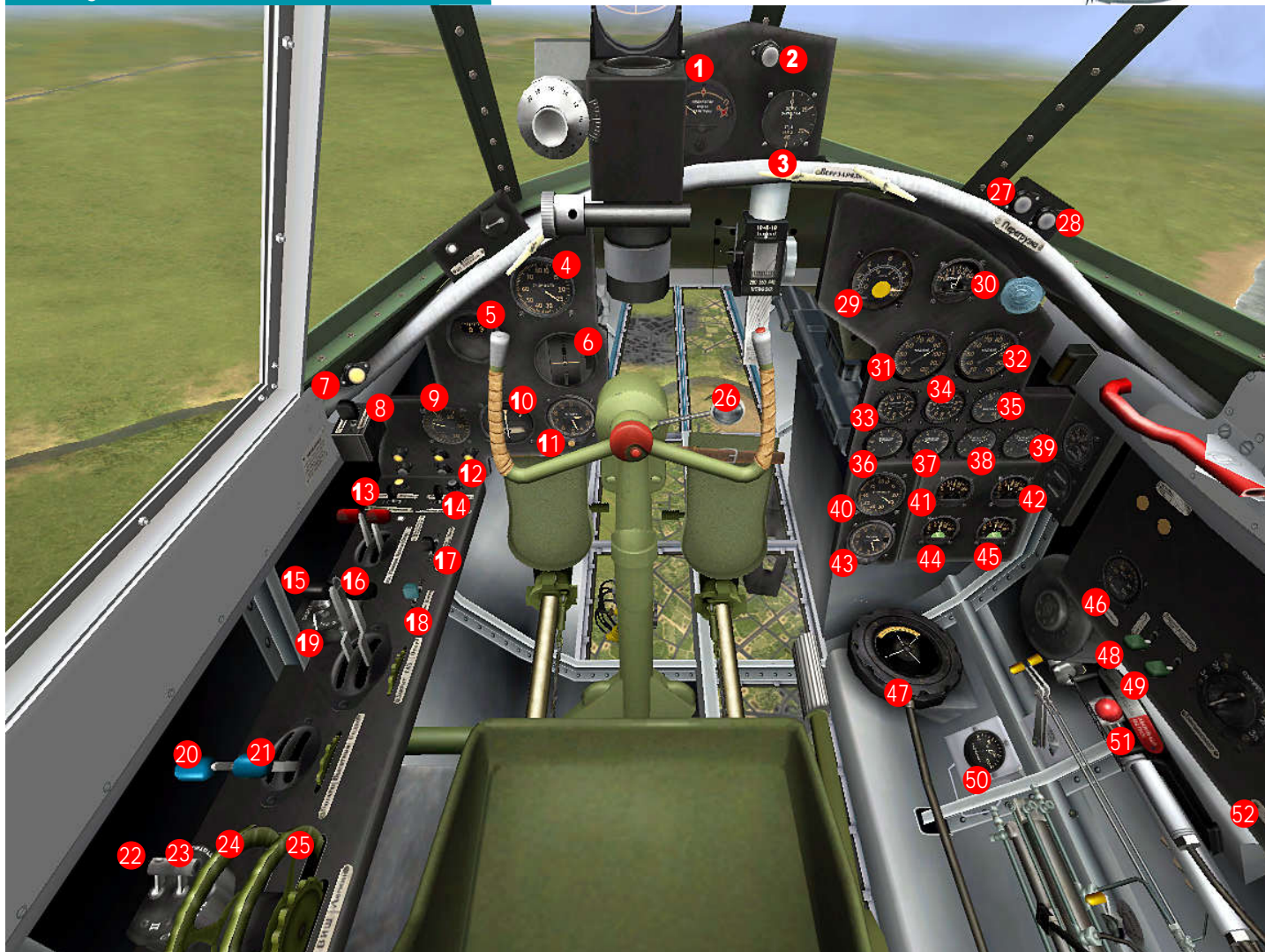
- | | |
|--|--|
| 1. Pilot's Direction Indicator | 35. Left engine fuel pressure gage |
| 2. Flaps full open indicator light | 36. Right engine fuel pressure gage |
| 3. Flaps position indicator | 37. Left engine oil pressure gage |
| 4. Airspeed indicator | 38. Right engine oil pressure gage |
| 5. Magnetic compass | 39. Left engine oil temperature gage |
| 6. Artificial horizon | 40. Right engine oil temperature gage |
| 7. Elevator trim neutral indicator light | 41. Left engine coolant temperature gage |
| 8. Elevator trim switch | 42. Right engine coolant temperature gage |
| 9. Variometer | 43. Airspeed indicator |
| 10. Turn and bank indicator | 44. Altimeter |
| 11. Altimeter | 45. Free air temperature gage |
| 12. Landing gear position indicator | 46. Compressed air pressure gage |
| 13. Aileron trim switch with neutral indicator light | 47. Repeater compass |
| 14. Rudder trim switch with neutral indicator light | 48. Hydraulic pressure gage |
| 15. Left engine throttle | 49. Landing gear lever |
| 16. Right engine throttle | 50. Left engine radiator switch |
| 17. Dive brakes switch | 51. Right engine radiator switch |
| 18. Flaps switch | 52. External weapons indicator lights (on rear part) |
| 19. Engines ignition switches | |
| 20. Left engine mixture lever | |
| 21. Right engine mixture lever | |
| 22. Left engine supercharger lever | |
| 23. Right engine supercharger lever | |
| 24. Left side propeller pitch wheel | |
| 25. Right side propeller pitch wheel | |
| 26. Gear brakes lever | |
| 27. Positive G-Load warning indicator light (+3 G) | |
| 28. Negative G-Load warning indicator light (-1 G) | |
| 29. Fuel gage | |
| 30. Left engine manifold pressure gage | |
| 31. Right engine manifold pressure gage | |
| 32. Left engine tachometer | |
| 33. Right engine tachometer | |
| 34. Fuel tank nitrogen pressure gage | |





- | | |
|--|--|
| 1. Pilot's Direction Indicator | 35. Fuel tank nitrogen pressure gage |
| 2. Flaps full open indicator light | 36. Left engine fuel pressure gage |
| 3. Flaps position indicator | 37. Right engine fuel pressure gage |
| 4. Airspeed indicator | 38. Left engine oil pressure gage |
| 5. Magnetic compass | 39. Right engine oil pressure gage |
| 6. Artificial horizon | 40. Airspeed indicator |
| 7. Elevator trim neutral indicator light | 41. Left engine oil temperature gage |
| 8. Elevator trim switch | 42. Right engine oil temperature gage |
| 9. Variometer | 43. Altimeter |
| 10. Turn and bank indicator | 44. Left engine coolant temperature gage |
| 11. Altimeter | 45. Right engine coolant temperature gage |
| 12. Landing gear position indicator | 46. Compressed air pressure gage |
| 13. Aileron trim switch with neutral indicator light | 47. Left engine radiator switch |
| 14. Rudder trim switch with neutral indicator light | 48. Right engine radiator switch |
| 15. Left engine throttle | 49. Repeater compass |
| 16. Right engine throttle | 50. Hydraulic pressure gage |
| 17. Dive brakes switch | 51. Landing gear lever |
| 18. Flaps switch | 52. External weapons indicator lights (on rear part) |
| 19. Engines ignition switches | |
| 20. Left engine mixture lever | |
| 21. Right engine mixture lever | |
| 22. Left engine supercharger lever | |
| 23. Right engine supercharger lever | |
| 24. Left side propeller pitch wheel | |
| 25. Right side propeller pitch wheel | |
| 26. Gear brakes lever | |
| 27. Positive G-Load warning indicator light (+3 G) | |
| 28. Negative G-Load warning indicator light (-1 G) | |
| 29. Fuel gage | |
| 30. Free air temperature gage | |
| 31. Left engine manifold pressure gage | |
| 32. Right engine manifold pressure gage | |
| 33. Left engine tachometer | |
| 34. Right engine tachometer | |





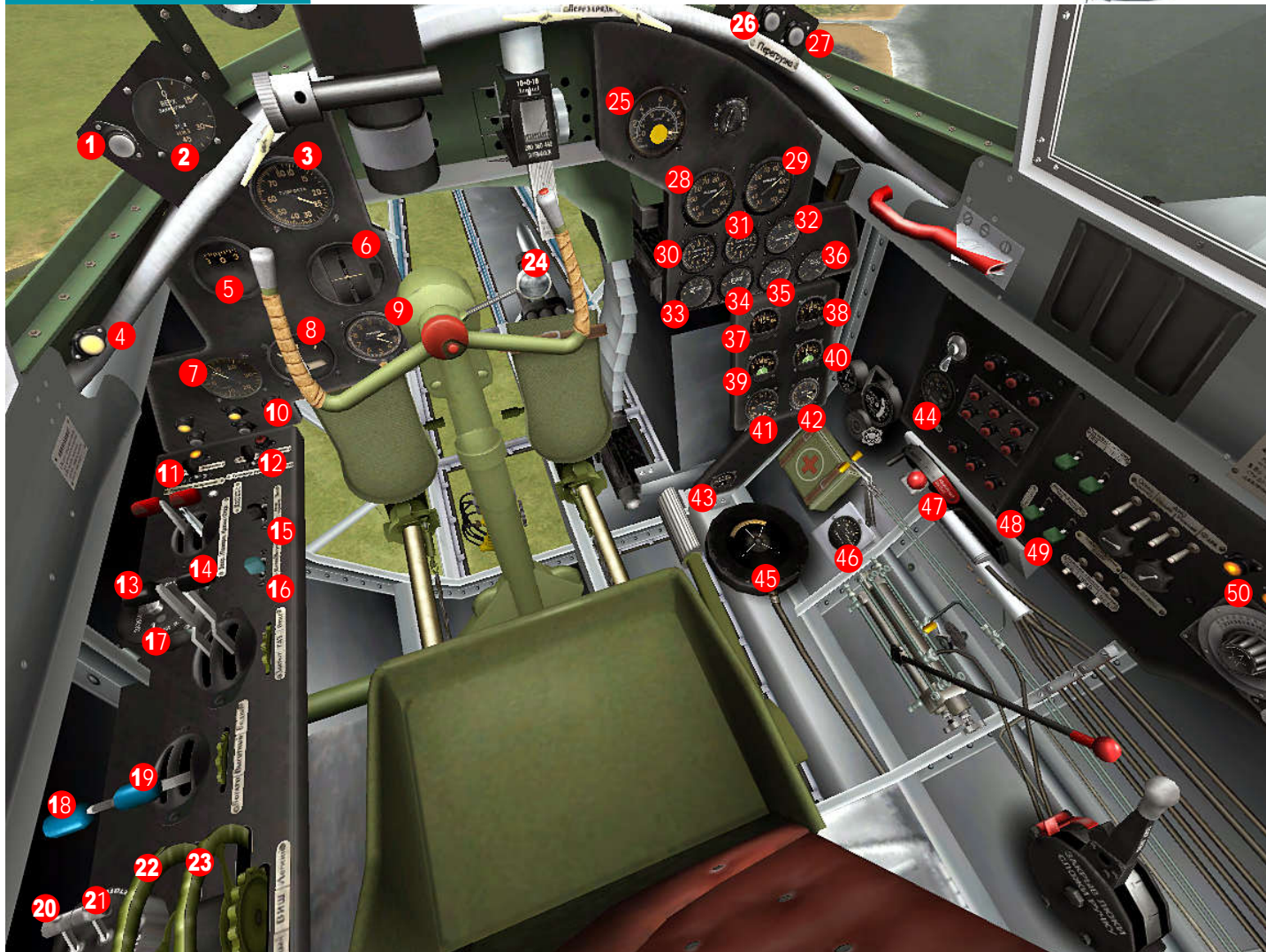
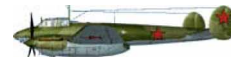
- | | |
|--|--|
| 1. Pilot's Direction Indicator | 35. Fuel tank nitrogen pressure gage |
| 2. Flaps full open indicator light | 36. Left engine fuel pressure gage |
| 3. Flaps position indicator | 37. Right engine fuel pressure gage |
| 4. Airspeed indicator | 38. Left engine oil pressure gage |
| 5. Magnetic compass | 39. Right engine oil pressure gage |
| 6. Artificial horizon | 40. Airspeed indicator |
| 7. Elevator trim neutral indicator light | 41. Left engine oil temperature gage |
| 8. Elevator trim switch | 42. Right engine oil temperature gage |
| 9. Variometer | 43. Altimeter |
| 10. Turn and bank indicator | 44. Left engine coolant temperature gage |
| 11. Altimeter | 45. Right engine coolant temperature gage |
| 12. Landing gear position indicator | 46. Compressed air pressure gage |
| 13. Aileron trim switch with neutral indicator light | 47. Repeater compass |
| 14. Rudder trim switch with neutral indicator light | 48. Left engine radiator switch |
| 15. Left engine throttle | 49. Right engine radiator switch |
| 16. Right engine throttle | 50. Hydraulic pressure gage |
| 17. Dive brakes switch | 51. Landing gear lever |
| 18. Flaps switch | 52. External weapons indicator lights (on rear part) |
| 19. Engines ignition switches | |
| 20. Left engine mixture lever | |
| 21. Right engine mixture lever | |
| 22. Left engine supercharger lever | |
| 23. Right engine supercharger lever | |
| 24. Left side propeller pitch wheel | |
| 25. Right side propeller pitch wheel | |
| 26. Gear brakes lever | |
| 27. Positive G-Load warning indicator light (+3 G) | |
| 28. Negative G-Load warning indicator light (-1 G) | |
| 29. Fuel gage | |
| 30. Free air temperature gage | |
| 31. Left engine manifold pressure gage | |
| 32. Right engine manifold pressure gage | |
| 33. Left engine tachometer | |
| 34. Right engine tachometer | |





- | | |
|--|--|
| 1. Pilot's Direction Indicator | 35. Fuel tank nitrogen pressure gage |
| 2. Flaps full open indicator light | 36. Left engine fuel pressure gage |
| 3. Flaps position indicator | 37. Right engine fuel pressure gage |
| 4. Airspeed indicator | 38. Left engine oil pressure gage |
| 5. Magnetic compass | 39. Right engine oil pressure gage |
| 6. Artificial horizon | 40. Airspeed indicator |
| 7. Elevator trim neutral indicator light | 41. Left engine oil temperature gage |
| 8. Elevator trim switch | 42. Right engine oil temperature gage |
| 9. Variometer | 43. Altimeter |
| 10. Turn and bank indicator | 44. Left engine coolant temperature gage |
| 11. Altimeter | 45. Right engine coolant temperature gage |
| 12. Landing gear position indicator | 46. Compressed air pressure gage |
| 13. Aileron trim switch with neutral indicator light | 47. Repeater compass |
| 14. Rudder trim switch with neutral indicator light | 48. Left engine radiator switch |
| 15. Left engine throttle | 49. Right engine radiator switch |
| 16. Right engine throttle | 50. Hydraulic pressure gage |
| 17. Dive brakes switch | 51. Landing gear lever |
| 18. Flaps switch | 52. External weapons indicator lights (on rear part) |
| 19. Engines ignition switches | |
| 20. Left engine mixture lever | |
| 21. Right engine mixture lever | |
| 22. Left engine supercharger lever | |
| 23. Right engine supercharger lever | |
| 24. Left side propeller pitch wheel | |
| 25. Right side propeller pitch wheel | |
| 26. Gear brakes lever | |
| 27. Positive G-Load warning indicator light (+3 G) | |
| 28. Negative G-Load warning indicator light (-1 G) | |
| 29. Fuel gage | |
| 30. Free air temperature gage | |
| 31. Left engine manifold pressure gage | |
| 32. Right engine manifold pressure gage | |
| 33. Left engine tachometer | |
| 34. Right engine tachometer | |

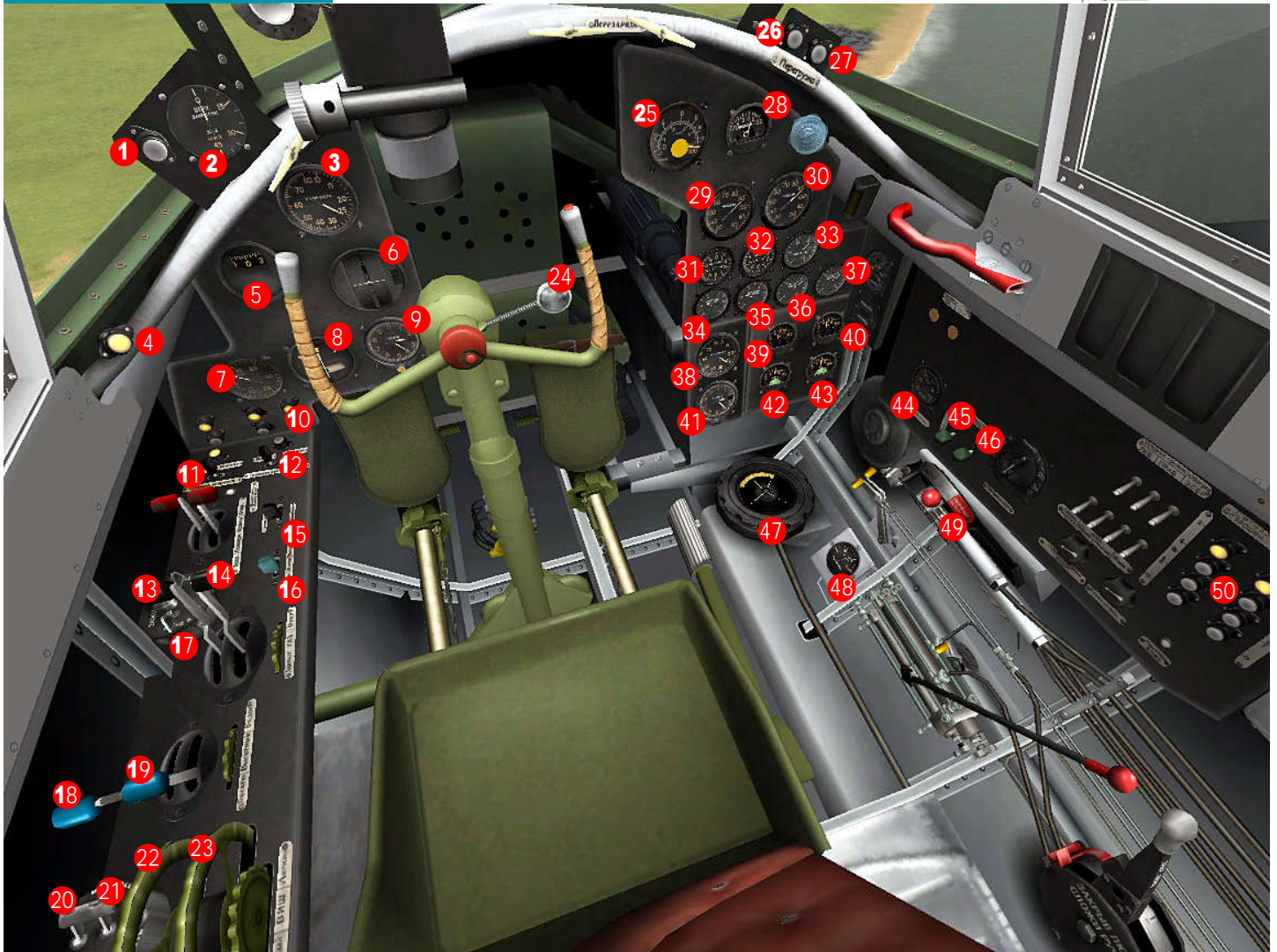




- | | |
|--|---|
| 1. Flaps full open indicator light | 35. Left engine oil pressure gage |
| 2. Flaps position indicator | 36. Right engine oil pressure gage |
| 3. Airspeed indicator | 37. Left engine oil temperature gage |
| 4. Elevator trim neutral indicator light | 38. Right engine oil temperature gage |
| 5. Magnetic compass | 39. Left engine coolant temperature gage |
| 6. Artificial horizon | 40. Right engine coolant temperature gage |
| 7. Variometer | 41. Airspeed indicator |
| 8. Turn and bank indicator | 42. Altimeter |
| 9. Altimeter | 43. Free air temperature gage |
| 10. Landing gear position indicator | 44. Compressed air pressure gage |
| 11. Aileron trim switch with neutral indicator light | 45. Repeater compass |
| 12. Rudder trim switch with neutral indicator light | 46. Hydraulic pressure gage |
| 13. Left engine throttle | 47. Landing gear lever |
| 14. Right engine throttle | 48. Left engine radiator switch |
| 15. Elevator trim switch | 49. Right engine radiator switch |
| 16. Flaps switch | 50. External weapons indicator lights |
| 17. Engines ignition switches | |
| 18. Left engine mixture lever | |
| 19. Right engine mixture lever | |
| 20. Left engine supercharger lever | |
| 21. Right engine supercharger lever | |
| 22. Left side propeller pitch wheel | |
| 23. Right side propeller pitch wheel | |
| 24. Gear brakes lever | |
| 25. Fuel gage | |
| 26. Positive G-Load warning indicator light (+3 G) | |
| 27. Negative G-Load warning indicator light (-1 G) | |
| 28. Left engine manifold pressure gage | |
| 29. Right engine manifold pressure gage | |
| 30. Left engine tachometer | |
| 31. Right engine tachometer | |
| 32. Fuel tank nitrogen pressure gage | |
| 33. Left engine fuel pressure gage | |
| 34. Right engine fuel pressure gage | |



Petlyakov Pe-3bis



- | | |
|--|---|
| 1. Flaps full open indicator light | 35. Right engine fuel pressure gage |
| 2. Flaps position indicator | 36. Left engine oil pressure gage |
| 3. Airspeed indicator | 37. Right engine oil pressure gage |
| 4. Elevator trim neutral indicator light | 38. Airspeed indicator |
| 5. Magnetic compass | 39. Left engine oil temperature gage |
| 6. Artificial horizon | 40. Right engine oil temperature gage |
| 7. Variometer | 41. Altimeter |
| 8. Turn and bank indicator | 42. Left engine coolant temperature gage |
| 9. Altimeter | 43. Right engine coolant temperature gage |
| 10. Landing gear position indicator | 44. Compressed air pressure gage |
| 11. Aileron trim switch with neutral indicator light | 45. Left engine radiator switch |
| 12. Rudder trim switch with neutral indicator light | 46. Right engine radiator switch |
| 13. Left engine throttle | 47. Repeater compass |
| 14. Right engine throttle | 48. Hydraulic pressure gage |
| 15. Elevator trim switch | 49. Landing gear lever |
| 16. Flaps switch | 50. External weapons indicator lights |
| 17. Engines ignition switches | |
| 18. Left engine mixture lever | |
| 19. Right engine mixture lever | |
| 20. Left engine supercharger lever | |
| 21. Right engine supercharger lever | |
| 22. Left side propeller pitch wheel | |
| 23. Right side propeller pitch wheel | |
| 24. Gear brakes lever | |
| 25. Fuel gage | |
| 26. Positive G-Load warning indicator light (+3 G) | |
| 27. Negative G-Load warning indicator light (-1 G) | |
| 28. Free air temperature gage | |
| 29. Left engine manifold pressure gage | |
| 30. Right engine manifold pressure gage | |
| 31. Left engine tachometer | |
| 32. Right engine tachometer | |
| 33. Fuel tank nitrogen pressure gage | |
| 34. Left engine fuel pressure gage | |



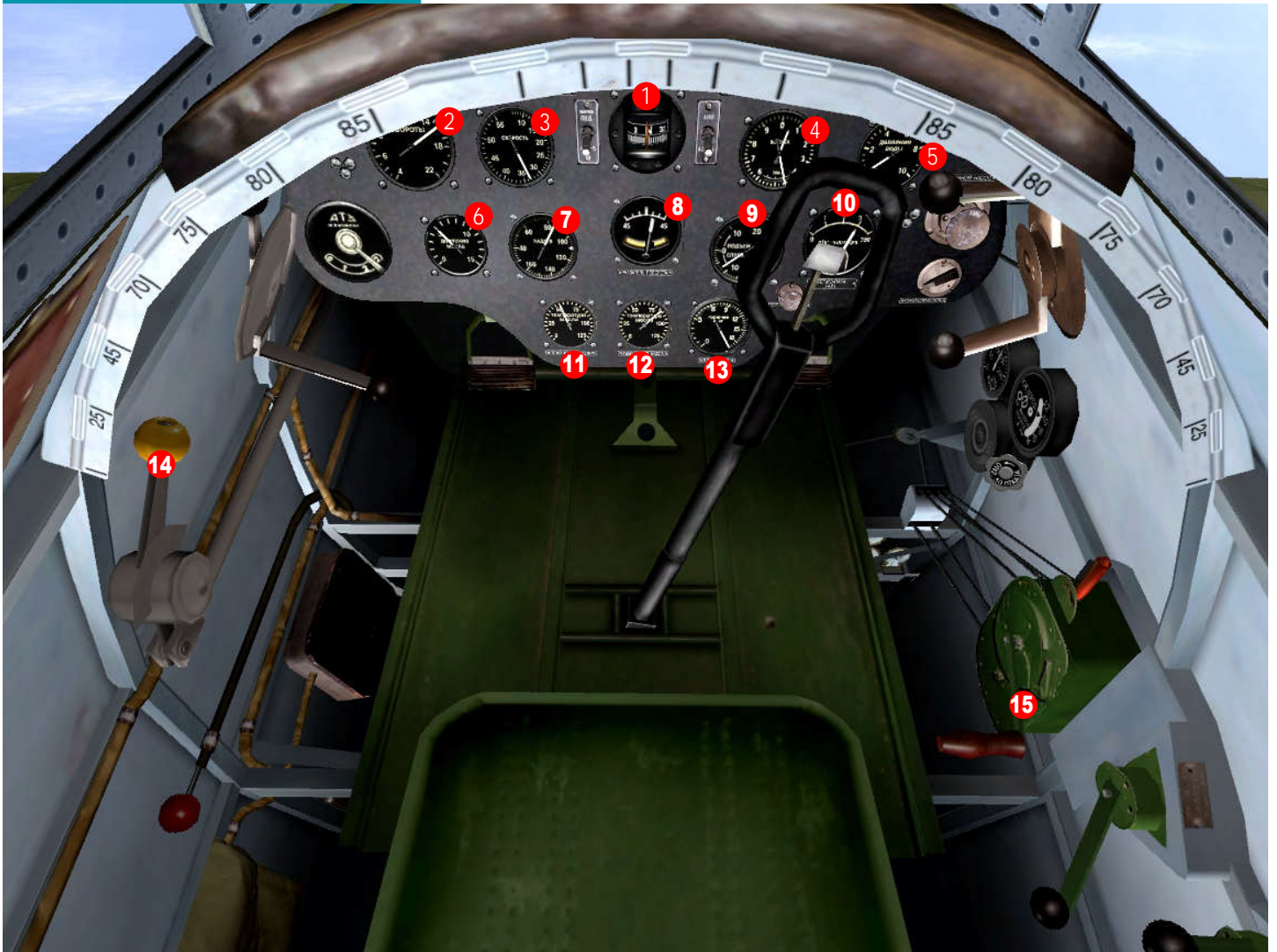


1. Airspeed indicator
2. Magnetic compass
3. Tachometer
4. Altimeter
5. Turn and bank indicator
6. Variometer
7. Engine ignition switch
8. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
9. Clock
10. Cylinder head temperature gage
11. Manifold pressure gage
12. Supercharger lever: rear position - stage 1
front position - stage 2
13. Mixture lever: rear position - leaner mixture
front position - richer mixture
14. Throttle
15. Propeller pitch knob

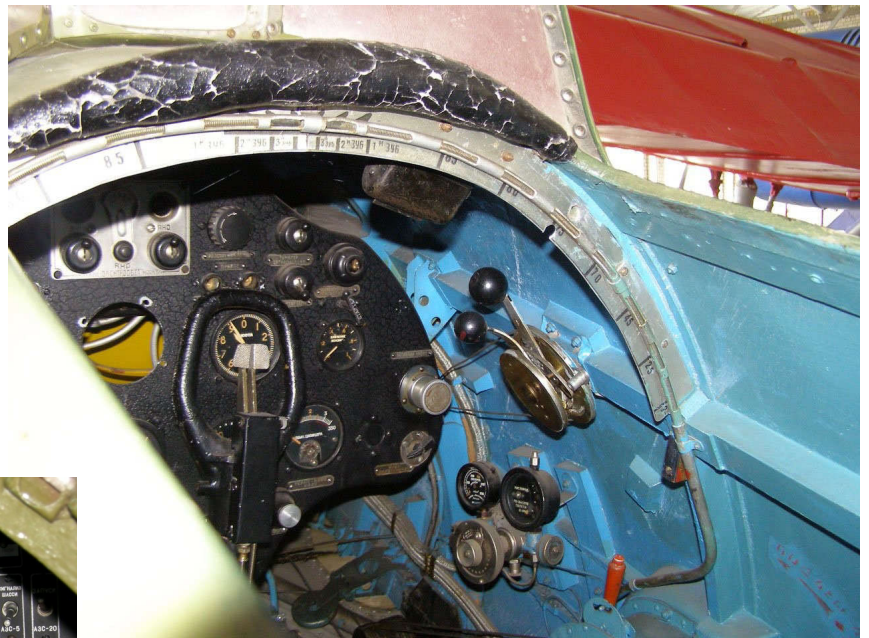


I-153 (<http://www.ww2aircraft.net/>)





1. Magnetic compass
2. Tachometer
3. Airspeed indicator
4. Altimeter
5. Compressed air pressure gage
6. Oil pressure gage
7. Manifold pressure gage
8. Turn and bank indicator
9. Variometer
10. Cylinder head temperature gage
11. Engine oil-in temperature gage
12. Engine oil-out temperature gage
13. Fuel gage
14. Throttle
15. Landing gear handle (not active with skis)



I-16 early (<http://pic.picture.ru/uploads/090216/Ev90DZW8TA.jpg>)



I-16 T10 (<http://www.w2aircraft.net/>)





1. Landing gear **position indicator**: green - down
no light - transition
red - up
2. **Magnetic compass**
3. **Tachometer**
4. **Airspeed indicator**
5. **Altimeter**
6. Compressed air pressure gage
7. **Oil pressure gage**
8. **Manifold pressure gage**
9. **Turn and bank indicator**
10. **Variometer**
11. **Cylinder head temperature gage**
12. Engine oil-in **temperature gage**
13. Engine oil-out **temperature gage**
14. **Fuel gage**
15. **Throttle**
16. **Propeller pitch lever**
17. **Landing gear handle**



I-16 T24 (<http://www.nzfpm.co.nz/article.asp?id=i16#>)

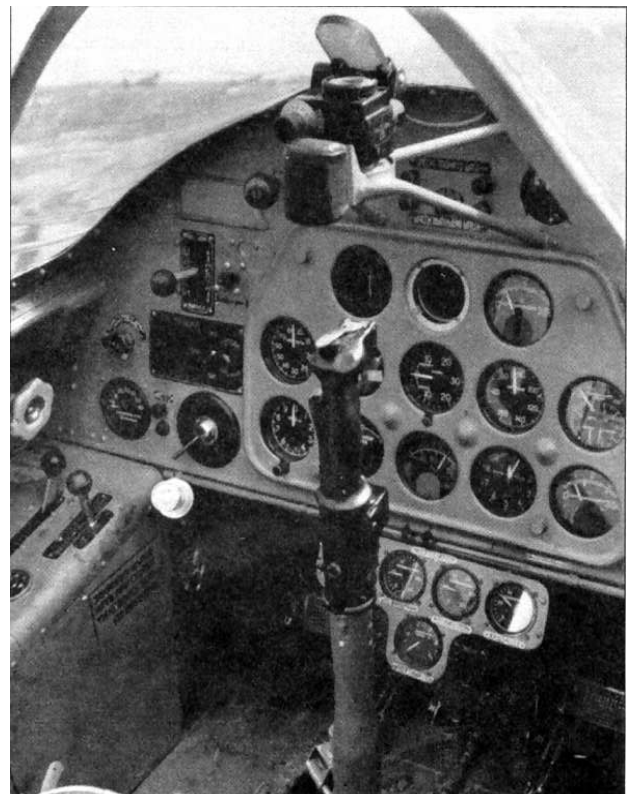
I-16 T10 (<http://www.historicflight.cz/>)



Polikarpov I-185 M-71



1. Landing gear **position indicator**: green - down (behind gunsight) red- up
2. Landing gear **lever**
3. **Magnetic compass**
4. **Clock**
5. **Fuel gage**
6. **Airspeed indicator**
7. **Turn and bank indicator**
8. **Variometer**
9. **Manifold pressure gage**
10. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
11. **Engine ignition switch**
12. **Altimeter**
13. **Pilot's Direction Indicator**
14. **Artificial horizon**
15. **Tachometer**
16. Cylinder head **temperature gage**
17. Landing gear **position indicator**
18. **Carburetor pressure gage**
19. **Oil temperature gage** (exiting front engine block)
20. **Oil temperature gage** (exiting rear engine block)
21. **Oil temperature gage** (entering engine)
22. **Oil pressure gage**
23. **Propeller pitch lever**
24. **Flaps lever**
25. **Throttle**
26. **Mixture lever**
27. **Supercharger lever**
28. **Bomb release lever** (no bomb available)
29. **Landing light switch**



I-185 (<http://www.airwar.ru/aww2.html>)

30. **Instrument light switch**
31. **Position lights switch**

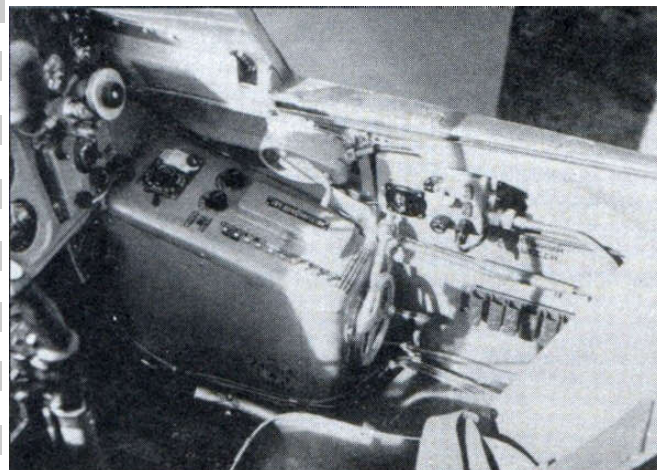
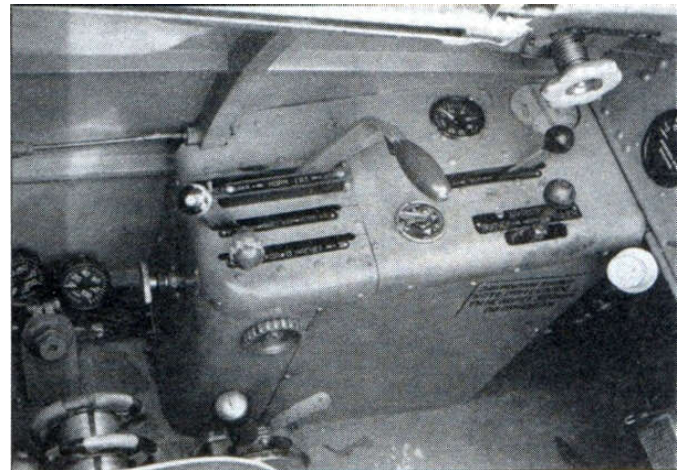


Polikarpov I-185 M-82



1. Bombs status lights
2. Landing gear **position indicator: green - down**
(behind gunsight) **red - up**
3. Landing gear **lever**
4. **Magnetic compass**
5. **Clock**
6. **Fuel gage**
7. **Airspeed indicator**
8. **Turn and bank indicator**
9. **Variometer**
10. **Manifold pressure gage**
11. **Oil temperature gage**
12. **Engine ignition switch**
13. **Altimeter**
14. **Pilot's Direction Indicator**
15. **Artificial horizon**
16. **Tachometer**
17. **Cylinder head temperature gage**
18. **Carburetor pressure gage**
19. **Oil pressure gage**
20. Landing gear **position indicator**
21. **Propeller pitch lever**
22. **Flaps lever**
23. **Throttle**
24. **Mixture lever**
25. **Supercharger lever**
26. **Bomb release lever**
27. **Landing light switch**
28. **Instrument light switch**
29. **Position lights switch**

I-185 M-71 & M-82



I-185 M-71 & M-82





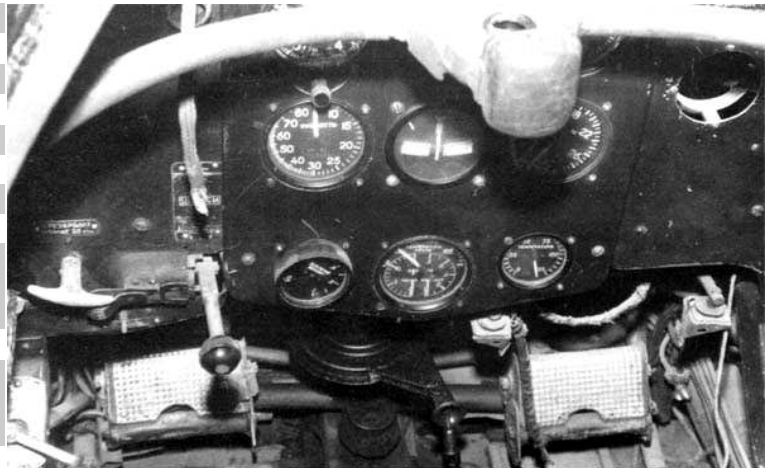
- 1. Pilot's Direction Indicator
- 2. Artificial horizon
- 3. Airspeed indicator
- 4. Turn and bank indicator
- 5. Variometer
- 6. Altimeter
- 7. Clock
- 8. Magnetic compass
- 9. Engine 1 (left side ouboard) tachometer
- 10. Engine 2 (left side inboard) tachometer
- 11. Engine 3 (right side inboard) tachometer
- 12. Engine 4 (right side ouboard) tachometer
- 13. Co-pilot artificial horizon
- 14. Co-pilot repeater compass
- 15. Co-pilot altimeter
- 16. Co-pilot turn and bank indicator
- 17. Co-pilot airspeed indicator
- 18. Co-pilot magnetic compass
- 19. Throttle levers for all 4 engines



Yakovlev Yak-1 / B



1. Altimeter
2. Magnetic compass
3. Manifold pressure gage
4. Airspeed indicator
5. Turn and bank indicator
6. Tachometer
7. Landing gear lever
8. Clock
9. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
10. Coolant temperature gage
11. Landing gear position indicator: green - down
no light - transition
red - up
12. Propeller pitch lever
13. Supercharger lever: rear position - stage 1
front position - stage 2
14. Throttle
15. Flaps lever

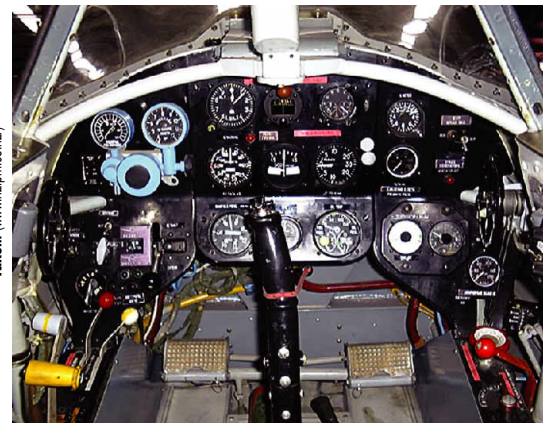


Yak-1 (<http://www.airwar.ru/aww2.html>)





1. Altimeter
2. Magnetic compass
3. Clock
4. Fuel gage
5. Low fuel warning light
6. Airspeed indicator
7. Turn and bank indicator
8. Variometer
9. Landing gear position indicator: green - down
no light - transition
red - up
10. Landing gear lever
11. Manifold pressure gage
12. Tachometer
13. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
14. Electric generator warning light
15. Propeller pitch lever
16. Supercharger lever: rear position - stage 1
front position - stage 2
17. Throttle
18. Flaps lever



Yak3M (www.nzjfm.co.nz)



Yak3 (www.aeonaites.ru/archive/wiitools/cockpit/small/Yakovlev%20Yak-3.jpg)





1. Altimeter
2. Magnetic compass
3. Clock
4. Fuel gage
5. Low fuel warning light
6. Airspeed indicator
7. Turn and bank indicator
8. Variometer
9. Landing gear position indicator: green - down
no light - transition
red - up
10. Landing gear lever
11. Manifold pressure gage
12. Tachometer
13. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
14. Electric generator warning light
15. Rocket engine switch
16. Rocket engine fuel gage
17. Rocket engine fuel gage
18. Rocket engine exhaust temperature gage
19. Propeller pitch lever
20. Throttle
21. Supercharger lever: rear position - stage 1
front position - stage 2
22. Flaps lever





1. Altimeter
2. Magnetic compass
3. Manifold pressure gage
4. Airspeed indicator
5. Turn and bank indicator
6. Tachometer
7. Landing gear lever
8. Clock
9. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
10. Coolant temperature gage
11. Landing gear position indicator: green - down
no light - transition
red - up
12. Propeller pitch lever
13. Supercharger lever: rear position - stage 1
front position - stage 2
14. Throttle
15. Flaps lever



Yakovlev Yak-9



1. Altimeter
2. Magnetic compass
3. Clock
4. Coolant temperature gage
5. Airspeed indicator
6. Turn and bank indicator
7. Variometer
8. Low fuel warning light
9. Electric generator warning light
10. Landing gear lever
11. Manifold pressure gage
12. Tachometer
13. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
14. Propeller pitch lever
15. Throttle
16. Supercharger lever: rear position - stage 1
front position - stage 2
17. Flaps lever

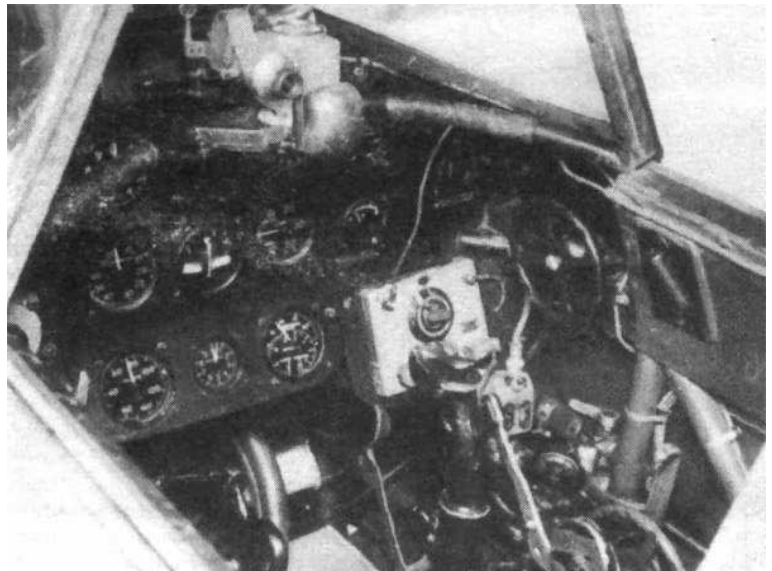


Yak-9 (<http://walkarounds.airforce.ru/avia/rus/yak/yak-9/index.htm>)





1. Altimeter
2. Magnetic compass
3. Clock
4. Coolant temperature gage
5. Airspeed indicator
6. Turn and bank indicator
7. Variometer
8. Pilot's Direction Indicator
9. Low fuel warning light
10. Electric generator warning light
11. Landing gear lever
12. Manifold pressure gage
13. Tachometer
14. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
15. Propeller pitch lever
16. Throttle
17. Supercharger lever: rear position - stage 1
front position - stage 2
18. Flaps lever





- 1. Altimeter**
- 2. Magnetic compass**
- 3. Clock**
- 4. Coolant temperature gage
- 5. Airspeed indicator**
- 6. Turn and bank indicator**
- 7. Variometer**
- 8. Low fuel warning light
- 9. Electric generator warning light**
- 10. Landing gear **lever**
- 11. Manifold pressure gage**
- 12. Tachometer**
- 13. Engine gage: **oil temperature** (top)
oil pressure (left)
fuel pressure (right)
- 14. Propeller pitch lever**
- 15. Throttle**
- 16. Supercharger lever: rear position - stage 1**
front position - stage 2
- 17. Flaps lever**

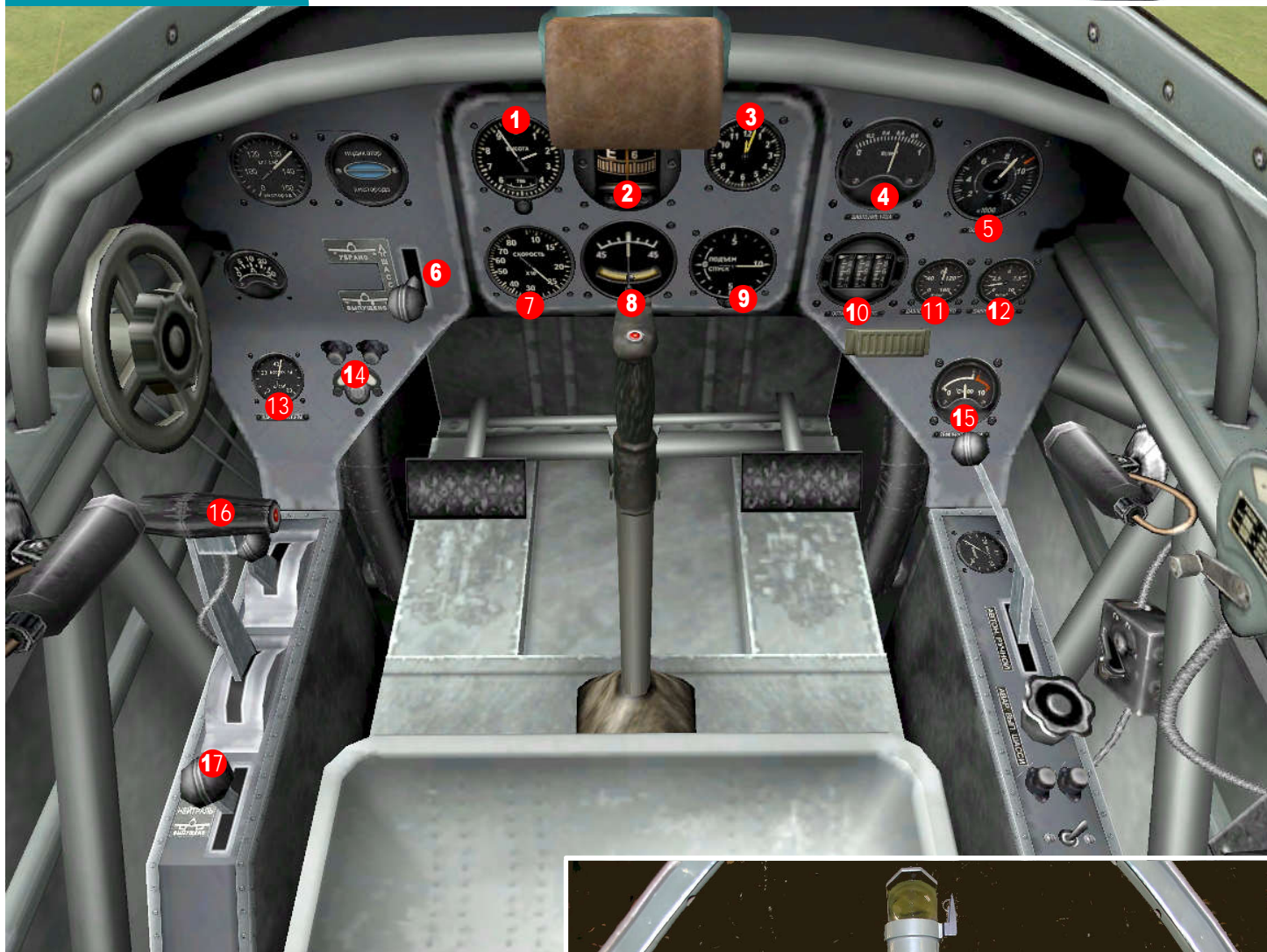




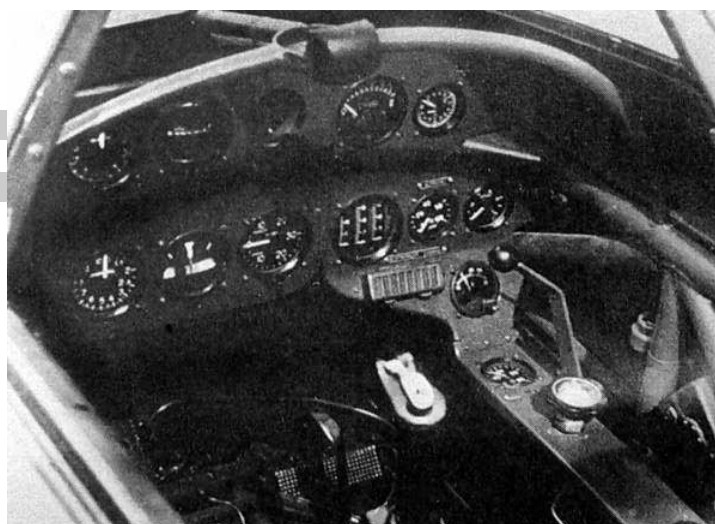
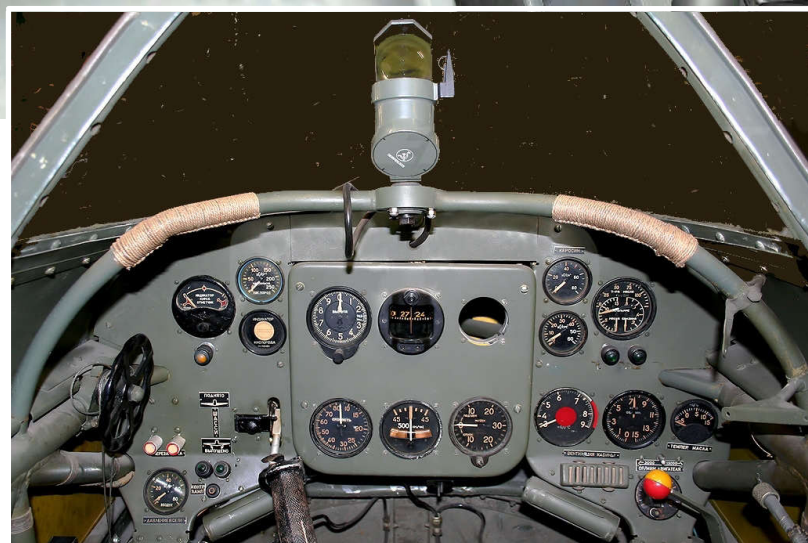
- 1. Altimeter
- 2. Magnetic compass
- 3. Clock
- 4. Fuel gage
- 5. Low fuel warning light
- 6. Airspeed indicator
- 7. Turn and bank indicator
- 8. Variometer
- 9. Landing gear position indicator: green - down
no light - transition
red - up
- 10. Landing gear lever
- 11. Manifold pressure gage
- 12. Tachometer
- 13. Engine gage: oil temperature (top)
oil pressure (left)
fuel pressure (right)
- 14. Electric generator warning light
- 15. Propeller pitch lever
- 16. Throttle
- 17. Supercharger lever: rear position - stage 1
front position - stage 2
- 18. Flaps lever



Yakovlev Yak-15



1. Altimeter
2. Magnetic compass
3. Clock
4. Exhaust gas pressure gage
5. Tachometer
6. Landing gear lever
7. Airspeed indicator
8. Turn and bank indicator
9. Variometer
10. Fuel gage
11. Fuel injection pressure gage
12. Oil pressure gage
13. Compressed air pressure gage
14. Landing gear position indicator:
green - down
no light - transition
red - up
15. Exhaust temperature gage
16. Throttle
17. Flaps lever



Yak-15 (<http://www.airwar.ru/aww2.html>)



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