



Date: February 1958
Revised September 2010

Subject: **Index of Saab Safir 91 Modification and Service Bulletins**

The following is a list of all active Safir Modification and Service Bulletins at this time. Those not included are obsolete and will not be reissued.

Modification Bulletins

Modification Bulletins are divided into four classes, see below, depending on the degree of “Urgency” as to introduction of the same. Modification Bulletins of the first two classes deal with flight safety matters. The other two deal with the serviceability of the aircraft.

Table of classes and explanations:

- I Mandatory
- II Recommended to be embodied a certain time period.
- III Recommended
- IV Optional

Notes: On aircraft included in column “Aircraft Concerned” but not mentioned in corresponding Modification Bulletin, the modification has been carried out before delivery from the factory.
All” in the column “Aircraft Concerned” means that all aircraft of each version marked with a “X” are affected.

Table 1. Modification Bulletins

Bulletin Number	Date	Subject	91 A	91 B	91 B-2	91 C	91 D	Urgency	Aircraft Concerned
91.1/1	March 1948	Front hood	X					III	91.102-123
91.1/2	Aug 1948	Hood parking struts	X					III	91.102-148
91.1/3	March 1948	Tank suspension	X					III	91.105-129
91.1/4	March 1948	Nose wheel compartment	X					III	91.106-125
91.1/5	March 1948	Fuselage, tightening	X					III	91.102-125
91.1/6	April 1948	Landing gear control	X					III	91.102-129
91.1/7	Sept 1948	Fin attachment	X					II	All
91.1/8	Jan 1951	Modification according to CAR requirements	X					III	All
91.1/9 Rev B	July 1952	Firewall reinforcement	X					III	All
91.1/10	May 1953	Clear view panel		X				III	91.202-215
91.1/11	Aug 1953	Engine cowling		X				III	91.201-252



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**Safir 91
SERVICE BULLETIN**

**No. 91.0.001
Issue 11**

Bulletin Number	Date	Subject	91 A	91 B	91 B-2	91 C	91 D	Urgency	Aircraft Concerned
91.1/12	March 1955	Nose wheel compartment	X					IV	All
91.1/13	April 1955	Hood bearing		X		X		IV	91.201-320
91.1/14	Jan 1959	Stiffening of pedal brackets	X	X	X	X		IV	91.101-346
91.1/15	Febr 1959	Reinforcement of tank support		X	X			III	91.201-310 91.321-345
91.1/16	Nov 1959	Nose wheel casing	X	X	X	X	X	IV	91.101-374
91.2500/1	Oct 1947	Nose gear locking mechanism	X					III	91.102-116
91.2/1	Dec 1948	Main wheel hub	X					III	91.105-132
91.2/2	June 1948	Replacement of nose gear fork	X					III	91.102-148
91.2/3	Jan 1954	Main gear brake unit		X				III	91.201-276
91.2/4	Jan 1954	Nose wheel fork, friction surface	X	X				III	91.101-273
91.2/5	June 1954	Main wheel brake unit		X				IV	91.201-286
91.2/6	June 1954	Main landing gear hub	X	X				IV	91.101-148 91.201-253
91.2/7	March 1955	Safe-T-Tires	X	X		X		IV	91.101-320
91.2/8	April 1955	Main landing gear. Drilling of lubricating hole		X		X		III	91.201-320
91.2/9 Rev D	June 1962	Introducing of Good Year brakes		X	X	X		IV	91.201-345
91.2/10 Rev B	June 1958	Introducing of oil nipples for torque links and carrier		X	X	X		IV	91.201-345
91.2/11	Aug 1960	Introducing of sealing at the wheel shaft		X	X	X	X	III	91.201-410
91.2/12	Jan 1961	Main Landing Gear Leg. Replacement of spring and cam	X	X	X	X	X	IV	All
91.2/13	Aug 1962	Main Landing Gear. Changed locking between wheel and shaft				X	X	IV	91.310 ¹⁾ 91.347-439
91.2/14	Sept 1963	Retracting mechanism, nose landing gear	X	X	X	X	X	IV	All
91.3/1	June 1948	Elevator coupling plate	X					III	91.102-147
91.3/2	Nov 1949	Stabilizer rear bracket	X					II	All
91.3/3	Oct 1958	Reinforcement of rudder ribs	X	X	X	X		IV	91.101-345
91.3/4	Jan 1960	Introducing of rudder trim tab and control		X	X	X	X	IV	91.201-366 91.385-394
91.3/5	April 1970	Improved fastening of the rudder trim-weight	X	X	X	X	X	II	All
91.4100/1	Nov 1947	New cable guards	X					III	91.102-132



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Bulletin Number	Date	Subject	91 A	91 B	91 B-2	91 C	91 D	Urgency	Aircraft Concerned
91.4/1	May 1948	New nose gear cables	X					III	91.102-116
91.4120/1	Nov 1947	New rudder pedals brake arm	X					III	91.102-132
91.4120/2	March 1953	New pedals cotter pin	X					III	All
91.4/2	June 1954	Landing gear indicator		X				III	91.201-275
91.4/3B	Oct 1957	Centre box cover		X		X		III	91.201-320
91.4/4	Nov 1954	Wing flap control		X				II	91.201-289
91.4/5	Sept 1955	Landing gear control link	X	X		X		III	91.101-148 91.201-320
91.4/6	Dec 1955	Improved cabin controls		X		X		IV	91.201-320
91.4/7B	March 1965	Oil System. Introducing of non-return valve and modification of valve set					X	III	91.310 91.347-384 91.409-444
91.4/8	Febr 1961	Introduction of a flexible oil line between the oil cooler and the air intake					X	IV	91.308 91.310 91.347-384 91.409-426
91.5/1	April 1951	Outer wing riveting	X					III	All
91.5/2	Febr 1955	Introducing of screws in leading edge wing spar		X				III	91.201-299
91.5/3E	Febr 1966	Repair of wing skin	X	X				IV	91.101-309
91.5/4	Aug 1960	Introducing of Stop for Secondary Bolt, Wing Joint Fittings	X	X	X	X	X	IV	91.101-408
91.5/5	Jan 1962	Introducing of extra rivet in stiffener wing upper side			X	X	X	III	91.321-432 ²⁾ 91.439
91.6/1	March 1948	Exhaust manifold	X					III	91.104-127
91.6/2	May 1948	Carburetor air intake	X					III	91.104-125
91.6/3	Febr 1948	Introduction of a leather bag	X					III	91.102-129
91.6/4B	April 1949	Engine rocker box bolts	X					III	91.102-148
91.6/5	Nov 1948	Oil tank suspension	X					III	All
91.6/6B	March 1950	Installation of oil cooler	X					IV	All
91.6/7	May 1949	Exhaust collector	X					II	All
91.6/8	Jan 1954	Manufacturing plate on engine mounting		X				III	91.201-272
91.6/9	Jan 1955	Cabin ventilating		X				IV	91.202-286
91.6/10C	Dec 1957	Hartzell propeller with dural blades		X	X	X		III	All
91.6/11	April 1955	Exhaust manifold flange		X		X		IV	91.201-320
91.6/12	April 1956	Generator coupling		X		X		III	91.201-320
91.6/13	April 1956	Engine. Modification of coupling for oil pump shaft		X		X		III	91.201-320



Bulletin Number	Date	Subject	91 A	91 B	91 B-2	91 C	91 D	Urgency	Aircraft Concerned
91.6/14	Dec 1956	Manifold pressure connection		X		X		IV	91.201-230
91.6/15B	Oct 1958	Application of rubber lining on propeller blades		X	X	X		III	All
91.6/16E	Oct 1965	Introduction of a 25 Amp generator and new coupling		X	X	X		IV	All
91.6/17B	Aug 1958	Introducing of propeller governor		X	X	X		IV	All
91.6/18	March 1960	Introduction of a Teflon bushing to the plastic blade propeller		X	X	X		IV	All
91.6/19B	Dec 1960	Repair of exhaust pipe		X	X	X		IV	All
91.6/20	Jan 1961	Change of 25 Amp generator for 40 Amp					X	IV	347-366 409-418 440-444
91.6/21		Not issued							
91.6/22	Aug 1962	Modification of heat exchanger					X	IV	91.310 91.347-384 91.409-439
91.6/23	June 1965	Introduction of a 50 Amp generator					X	IV	91.347-366 91.409-418
91.8/1	Nov 1947	Replacement of antenna mast	X					III	91.104-115
91.8/2	Jan 1948	Replacement of tachometer	X					III	91.103-132
91.8/3	Aug 1948	Fuel gauge	X					III	91.117-147
91.8/4	Oct 1948	Voltage regulator insulating	X					III	91.102-147
91.8/5	Oct 1948	Fuel gauge	X					III	91.102-148
91.8/6	Jan 1955	Radio noise suppressors		X				III	91.202-286
91.8/7	Dec 1955	Voltage regulator insulating		X		X		III	91.201-314
91.9/1	Sept 1948	Cap over Dual Control Stick pivot axle	X					III	91.102-130
91.9/2	April 1955	Safety belts		X				III	91.202-286
91.9/3	Dec 1961	Replacement of bolt assy for lap strap in front seats	X	X	X	X	X	IV	91.101-432 91.439

Notes:

- 1) And other A/C with Good Years brakes installed
- 2) With wing manufacturing No 501-583, 585-615 LH and RH



Service Bulletins

Saab Service Bulletins are distributed in order to inform operators about checking, maintenance and minor changes.

The Service Bulletins are divided into four classes, see below, depending on the degree of “Urgency” as to introduction of the same. Service Bulletins of the first two classes deal with flight safety matters. The other two deal with the serviceability of the aircraft.

Table of classes and explanations:

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Table 2. Service Bulletins

Bulletin Number	Date	Subject	91 A	91 B	91 B-2	91 C	91 D	Urgency	Aircraft Concerned
91.1.001	May 1957	Introduction of access holes in the front floor panels and in the pedal support	X	X	X	X		IV	91.101-345
91.1.002	Dec 1960	Lock pins for front seat buckets	X	X	X	X	X	III	91.101-426
91.1.003 Rev 2 Cancelled	March 1979	Possibility of fatigue failure in specific joints on aircraft with a considerable amount of flying hours <i>Cancelled and replaced by SB 91.1.005</i>		X	X	X	X	I	All
91.1.004 Rev 2	Sept 1982	Inspection of elevator spar		X	X	X	X	I	All
91.1.005 Rev 2	Dec 1993	Possibility of fatigue failure in specific joints on aircraft with a considerable amount of flying hours		X	X	X	X	I	All
91.1.006 Rev 1	Dec 1996	Inspection of U-profile in main spar of fuselage for corrosion and repair of damages that may be revealed	X	X	X	X	X	I	All



Bulletin Number	Date	Subject	91 A	91 B	91 B-2	91 C	91 D	Urgency	Aircraft Concerned
91.2.001	Dec 1957	Introduction of improved type of oilring in main and nose landing gear		X	X	X		II	91.201-345
91.2.002	June 1958	Cementing of brake linings for wheel brakes	X	X	X	X		III	91.101-148 91.201-345
91.2.003	April 1960	Tool for disc clips on Goodyear brake unit		X	X	X	X	IV	All
91.2.004	Nov 1960	Introduction of oversize bolt at the small end of landing gear torsion links	X	X	X	X	X	II	All
91.2.005	July 1961	Replacement of straight oil nipple with elbow oil nipple at upper torsion link bolt of nose gear		X	X	X	X	III	A/C with M.B. No 91.2/10 introduced or production No 91.310, 91.346-432 and 91.439
91.2.006	April 2000	Inspection of installation for operating and locking of the main landing gear	X	X	X	X	X	I	All
91.3.001	May 1956	Inspection of forward attachment of fin and tail plane (ref 91.1.005)	X	X		X		II	91.101-148 91.201-320
91.4.001	July 1957	Checking of pin in landing gear locking mechanism	X	X	X	X		II	91.101-345
91.4.002	Nov 1980	Inspection of components in flight control system		X	X	X	X	I	All
91.4.003	Febr 1986	Inspection of fuel hand-pump actuating system		X	X	X	X	I	All
91.6.001	April 1956	Checking of carburetor	X					III	All
91.6.002 Rev B	Aug 1959	Modification of Marvel-Schebler carburetor		X		X		III	91.201-320
91.6.003	April 1957	Checking the tightening torque of the crankshaft thrust bearing nut		X	X	X		III	All
91.6.004	April 1957	Supplementary instructions for inspection of the propeller		X	X	X		I	All



Bulletin Number	Date	Subject	91 A	91 B	91 B-2	91 C	91 D	Urgency	Aircraft Concerned
91.6.005	April 1957	Dividing of LH and RH baffle plates in engine cooling system		X		X		IV	91.201-320
91.6.006	Nov 1957	Magneto Bendix-Scintilla SF6LN-8		X	X	X		IV	All
91.6.007	Nov 1957	Carburetor Marvel-Schebler MA 4-5		X	X	X		IV	All
91.6.008	Nov 1957	Removal of engine baffle lugs		X	X	X		III	All
91.6.009	Dec 1957	Inspection of metal propeller blades		X	X	X		I	All
91.6.010	Febr 1958	Exchange of metal propeller blades for plastic blades		X		X		IV	All
91.6.011 Rev B	June 1959	Rework of aluminum propeller blades		X		X		I	All
91.6.012 Rev B	Sept 1958	Renewal of rubber lining on plastic propeller blade leading edge		X	X	X		II	All
91.6.013	June 1958	Reaming of pilot tube holes on plastic blades		X	X	X		III	All
91.6.014	July 1958	Tolerances for plastic propeller blades		X	X	X		IV	All
91.6.015	June 1959	Increased overhaul period for Hartzell propellers		X	X	X		IV	All
91.6.016	June 1959	Tolerances for Hartzell propellers		X	X	X		III	All
91.6.017B	Febr 1961	Exchanges of sealing in auxiliary fuel pump		X	X	X	X	I	All
91.6.018	Oct 1960	Alternative crankcase breather line					X	IV	All
91.6.019	March 1961	Adjustment of Constant-Speed Propeller Governor		X	X	X		IV	All a/c with propeller governor
91.6.020	Aug 1964	Check of generator coupling		X	X	X		III	All a/c with generator coupling 1038140
91.6.021	Dec 1969	Inspection of engine mount					X	II	All
91.6.022 Rev A Cancelled	July 1999	Inspection of crankshaft front thrust bearing <i>Cancelled and replaced by SB 91.6.023</i>		X	X	X		I	All
91.6.023	July 1999	Inspection and replacement of crankshaft front thrust bearing		X	X	X		I	All



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SERVICE BULLETIN

No. 91.0.001
Issue 11

Bulletin Number	Date	Subject	91 A	91 B	91 B-2	91 C	91 D	Urgency	Aircraft Concerned
91.6.024 Rev A	July 2010	Adjustment of carburetor and use of carburetor Service Manuals		X	X	X		III	All