



# Modification Bulletin

Aircraft Type  
91A Safir

Reference <b>Nose wheel well Reinforcement of walls</b>	Date March 30, 1955	No 91.1/12
	Saab Service Dept. C. Larsson	
Urgency <b>IV</b>	Saab Design Dept. A. J. Andersson	Page 1 of 3
	Royal Swedish Board of Civil Aviation S. Fogelström	

Marking -	Effect on weight distribution		
	Weight change lbs	Station in.	Moment change lbs.in.
	+ 1.8	66.1	123

Time of delivery for necessary parts  
3 months after order  
K/K

<u>Drawings</u> Not essential 1107219 Repair of nose wheel well	<u>Aircraft concerned:</u> 91101 - 91148
<u>Parts required per plane:</u>	<u>Spare parts involved</u> -

Item	Ref. figure			
01	1 Sheet	1109709ur	Alumin 3526-38	t = 1.5 mm
02	1 Sheet	1109710ur	Alumin 3526-38	t = 1.5 mm
03	1 Sheet	1109711ur	Alumin 3526-38	t = 1.0 mm
04	1 Sheet	1109712ur		
05	1 Profile	1109705ur		
06	1 Profile	1109706ur		
07	1 Profile	1110667ur		
08	1 Profile	1110668ur		
09	4 Sheet	1109713ur	Alumin 3526-3	t = 2.0 mm
10	1 Sheet	1109707ur	Alumin 3526-3	t = 2.5 mm
11	1 Sheet angle	1110663ur	Alumin 3526-3	t = 2.5 mm
12	1 Sheet angle	1109715ur	Alumin 3526-38	t = 1.0 mm
104	Rivet AS	211501-3.2x9	Alumin 3514-3	
26	Rivet AS	211501-3.2x11	Alumin 3514-3	
54	Rivet AS	211501-2.5x6	Alumin 3514-3	
40	Rivet AS	211501-2.5x8	Alumin 3514-3	

If the walls in the nose wheel well have shown tendencies to buckle the rigidity can be increased by introducing reinforcements according to the figure below. If considered necessary an additional stop for the nose wheel in extended position can be riveted to the LH wall according to section A-A in the figure below.

PR 341201 / 34 2500



Work procedurs:

Dismount nose gear, pedal set and front floor. Inspect the walls in the nose wheel well for cracks and buckles. Drill stop holes for possible cracks and straighten the walls if required. Drill out the bracket for the flight control lock. Fit and rivet sheet item 01 and 02. Rivet the flight control lock and sheet angle item 12. Fit and rivet the profiles item 05 and 07 as well as 06 08 respectively and also the sheets item 09. Drill out required rivets so the sheets item 03 and 04 can be fitted and rivet these sheets according to the figure. Mount the nose gear except the strut SA 590251. Fit sheet angle item 11 and sheet item 10 on LH wall so there will be a play of appr. 3 mm between the link on the nose gear and the new stop when the nose gear contacts the existing stop on RH wall. Rivet sheet angle item 11 and sheet item 10 together and rivet them to the wall. Mount the strut and other dismantled components.

