

Table of AD-Notes and Technical Notes

**ALEXANDER SCHLEICHER**

GMBH & CO

Segelflugzeugbau  
D-36163 Poppenhausen

Type: **ASW 20**

Data Sheet No.: **314**

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License: **DE.21G.0010**

TN-No	LBA-AD-No. Issue Date	TN Issue Date	Version & Serial no.s affected	Subject	Compliance	Inspection Ref.
<b>1</b>	<b>77-294</b> <b>14.11.77</b>	<b>18.10.77</b> LBA- app.:25.10.77	all ASW 20 S/N 20001 through 20018 and S/N 20020 through 20024	Reinforcement of forward tow hook attachment point	must be done for the next annual inspection	
<b>2</b>		<b>18.01.78</b> LBA-app.:08.03.78	all ASW 20 for registration in the Netherlands	Variations from the approved model for the export to the Netherlands	only for Export to Netherland	
<b>2 b</b>		<b>21.06.79</b> LBA-app.:05.07.79	all ASW 20 L for registration in the Netherlands	Variations from the approved model for the export to the Netherlands (only in german language)	only for Export to Netherland	
<b>2 c</b> <b>2 d</b>		<b>22.08.84</b> LBA-app.:21.09.84	all ASW 20 C und ASW 20 CL for registration in the Netherlands	Variations from the approved model for the export to the Netherlands (only in german language)	only for Export to Netherland	
<b>3</b>		<b>08.02.78</b> LBA-app.:09.02.78	all ASW 20 as of S/N 20073	Glue joint of wing leading edge between wing root rib and change of taper in midwing area	none, serial version for new production	
<b>4</b>	<b>78-303</b> <b>13.11.78</b>	<b>11.09.78</b> LBA-app.:20.10.78	all ASW 20 S/N 20001 through 20113 except S/N 20111	Safety measures for inspection hole cover in fuselage	must be done for the next annual inspection	
<b>5</b>		<b>11.09.78</b> LBA-app.: 24.11.78	all ASW 20 as of S/N 20147	Front and rear wing attachment tube crossing fuselage	none, serial version for new production	
<b>6</b>		<b>29.09.78</b> LBA-app.: 11.01.79	all ASW 20 as of S/N 20220	Weight saving as product improvement	none, serial version for new production	
<b>7</b>		<b>03.01.79</b> LBA-app.:31.01.79	all ASW 20 and ASW 20 L	Modification of aileron, elevator and flap hinge fittings (control surface side)	none, serial version for new production	
<b>8 a</b>		<b>30.11.78</b> LBA- app.:13.12.78	all ASW 20	Modification into ASW 20-L model detachable wing tip	none, optional mod only	

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8 b		<b>13.03.79</b> LBA- app.:26.03.79	all ASW 20	Modification into ASW 20-L model Increased wingspan (16,59 m; 54,43 ft) by attaching outer wing panels	none, optional mod only	
9		<b>13.12.78</b> LBA- app.:15.12.78	all ASW 20 and ASW 20 L	<u>Improvement</u> wheel brake operation	none, optional mod only	
10		<b>05.09.79</b> LBA- app.:26.09.79	ASW 20 L up to the S/N 20247 only german version	Changes in the <u>German</u> version of the Flight Manual	at the latest Jan. 01, 1980	
11		<b>03.12.80</b> LBA- app.:15.12.80	all ASW 20 and ASW 20 L	Änderung des Laminierharzsystems (only in german language)	none	
12	<b>81-54</b> <b>11.03.81</b>	<b>17.02.81</b> LBA- app.:03.03.81	all ASW 20 S/N 20001 thru 20077 and 20086	Inspection of aileron weight and aileron c.g. and inspection of play (backlash) in aileron and flap control circuits to avoid flutter risk	prior to the next flight at the latest Aug. 01, 1981	
--	<b>81-74/2</b> <b>24.04.81</b>	<b>without</b>	ASW 20 all models	It may be possible that the aileron hinge shaft ist not correctly secured	prior to the next flight after publication of this AD to see	
13		<b>03.03.83</b> LBA- app.:08.03.83	all ASW 20 and ASW 20 L	Installation of a tailwheel instead of the plastic foam tailskid	none, optional mod only	
14		<b>08.06.83</b> LBA- app.:09.06.83	ASW 20 B S/N 20620 thru 20626 incl.	Preliminary Flight and Maintenance Manual	by the date of Oct. 15, 1983, the preliminary manuals must be exchanged against the final ones	
15		<b>30.08.83</b> LBA- app.:06.10.83	all ASW 20 B as of S/N 20620	Product improvement	none, for new production or major repairs only	
16		<b>28.06.84</b> LBA- app.:03.07.84 Issue II	ASW 20 all model variants	Installation of a front towing hook	none, optional equipment on request	

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<b>17</b>	<b>84-43</b> <b>16.03.84</b>	<b>13.02.84</b> LBA-app.:08.03.84	all ASW 20 and ASW 20 L S/N 20001 thru 20611 incl.	Continued airworthiness; amendments to the Flight and Operations Manual	before reaching a service time of 3000 hours during the next annual inspection, but no later than <b>Dec. 31, 1984</b>	
<b>18</b>		<b>21.05.84</b> LBA-app.:24.05.84	all ASW 20 and ASW 20 L S/N 20001 thru 20611 incl.	Exchange of the ASW 20 fuselage against that of the ASW 20 C model (only in german language)	none, optional modification	
<b>19 a</b>		<b>15.05.84</b> LBA-app.:16.05.84	all ASW 20	Modification into ASW 20 BL model detachable wing tip	none, optional modification	
<b>19 b</b>		<b>06.12.84</b> LBA-app.:12.12.84	all ASW 20 as of S/N 20627	Modification into ASW 20 BL model Increased span to 16,59 m by attaching outer wing extensions	none, optional modification	
<b>20 a</b>		<b>15.05.84</b> LBA-app.:16.05.84	all ASW 20 C	Modification into ASW 20 CL model detachable wing tip	none, optional modification	
<b>20 b</b>		<b>27.06.84</b> LBA-app.:02.07.84	all ASW 20 C	Modification into ASW 20 CL model Increased span to 16,59 m by attaching outer wing extensions	none, optional modification	
<b>21</b>	<b>84-115</b> <b>16.07.84</b>	<b>03.07.84</b> LBA-app.:10.07.84	all ASW 20 and ASW 20 L S/N 201001 thru 20611 and ASW 20 B S/N 20620 thru 20626	Possible incorrect mounting of the tow release cable guiding fittings, resulting in malfunction	prior to the next take-off	
<b>--</b>	<b>82-216</b> <b>09.11.82</b>	<b>without</b>	ASW 20 all model variants	Speezed "Nico-press" sleeves	action to be accomplished until action to be accomplished until the next annual C. of A. inspection, but before or on <b>31.01.1983</b> , at the latest	
<b>22</b>		<b>16.01.85</b> LBA-app.:11.02.85	all ASW 20 and ASW 20 L S/N 20001 thru 20611 and S/N 20620 thru 20626 incl.	Upward-folding instrument binnacle	none, optional modification	

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<b>23</b>		<b>22.03.85</b> LBA-app.:09.05.85	ASW 20 all model variants as of 20672 serial standard with the exception of S/N 20700 thru 20809	Exchange of laminate resin system	none; for factory-new gliders only	
<b>24</b>		<b>22.03.85</b> LBA-app.:23.04.85	ASW 20 all model variants as of 20672 serial standard with the exception of S/N 20700 thru 20809	Exchange of material	none; for factory-new gliders only	
<b>25</b>		<b>24.10.85</b> LBA-app.:06.11.85	all ASW 20 B/20 BL/20 C and 20 CL destined for export to the U.S.A., with the exception of S/N 20620 thru 20626	Canopy frame and emergency jettison device like in the ASW 20	none, optional modification	
<b>26</b>		<b>14.02.86</b> LBA-app.:03.03.86	all ASW 20 and ASW 20 L S/N 20001 thru 20611 and S/N 20620 thru 20626 incl. (except for those gliders modified according to TN no. 18)	Instrument binnacle hinging upwards with the canopy	none, optional mod on request only	
<b>27</b>		<b>26.08.86</b> LBA-app.:10.09.86	ASW 20 all model variants as of S/N 20001	Covering the elevator to stabilizer gap on the upper side by an eleastic lip seal (steel or plastic)	none, optional mod only	
<b>28</b>		<b>23.06.86</b> LBA-app.:30.06.86	all ASW 20 and ASW 20 L S/N 20001 thru 20611 incl.	Replacement of the wings of the ASW 20 or 20 L against those of the ASW 20 C respectively 20 CL	none	
<b>29</b>		<b>06.11.86</b> LBA-app.:09.12.86	all ASW 20 and ASW 20 L as of S/N 20001	Automatic elevator connection	none, optional mod only	
<b>30</b>	<b>87-148</b> <b>06.08.87</b>	<b>01.04.87</b> LBA-app.:10.04.87	all ASW 20 and ASW 20 L S/N 20001 thru 20611 incl.	Preventive measure against unintentional PIO (pilot induced oscillations)	action to be accomplished until the next annual C. of A. inspection, but before or on <b>March 31, 1988</b>	
<b>31</b>	<b>87-141</b> <b>08.07.87</b>	<b>24.06.87</b> LBA-app.:03.07.87	all ASW 20 variants and serial nos. S/N 20001 thru 20860; 20950 and 20951	Preventive measure against aileron flutter	immediately, prior to the next take-off	

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<b>32</b>		<b>02.03.88</b> LBA-app.:26.04.88 RAI-app. 21.05.88	all ASW 20 C <u>for Export to Italy only.</u>	Flight and Maintenance Manual Amendment (only when exported to Italy)	only for Export to Italy	
<b>33</b>		<b>02.06.89</b> LBA-app.:06.06.89	all ASW 20 L/20 BL/20 C and 20CL <u>for Export to Canada only.</u>	Flight Manual Amendment (only when exported to Canada)	only for Export to Canada	
<b>34</b>		<b>17.01.90</b> LBA-app.:01.03.90	all ASW 20/20L ASW 20 B/20 BL ASW 20 C/20 CL	New production series tow release couplings for aerotow and winch launch	none, applicable to new built gliders and in case of replacement of tow release couplings	
<b>35</b>		<b>30.01.90</b> LBA-app.:09.03.90	ASW 20 B/20 BL all serial no.s.	Increase of the mass of the non-lifting parts by 10 kg	none, optional mod only	
--	<b>1993-001/3</b> 09.04.98 supersedes 93-001/2 dated 20.04.94 and 93-001 dated 03.03.93	<b>without</b>	all ASW 20 variants	Locking of L'Hotellier connectors	action to be accomplished until the next annual C. of A. inspection, but before or on 30.04.1994, at the latest respectively <b>May 15,1998</b>	
<b>36</b>		<b>22.09.93</b> LBA-app.:28.09.93	ASW 20/20L ASW20B/20BL ASW 20 C/20CL all serial numbers	Securing of L'HOTELLIER quick-release connectors (ball and swivel joints) as per Airworthiness Directive (AD) "93- 001 L'HOTELLIER" of the German Civil Aviation Authority (LBA) dated March 3, 1993	none	
<b>37</b>		<b>31.01.97</b> LBA-app.:20.02.97 Manufactured by Fiberglas-Technik Rudolf Linder	ASW 20/20L ASW20B/20BL ASW 20 C/20CL	Operation of the 15 m wing span version with winglets designed by Messrs. Fiberglas-Technik Rudolf Lindner GmbH & Co. KG, Germany	none, optional after installation with Lindner winglets	
<b>38</b>		<b>07.01.97</b> LBA-app.:14.01.97 Manufactured by	all ASW 20	Umbau auf eine nach hinten oben aufschwingende Haube (designed by Akaflieg Köln, Germany) -only in german language-	None, optional mod only	

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		Akaflieg Köln				
<b>39</b>	substituted by TN no. 39/2	<b>16.02.98</b> LBA-app.:07.04.98	ASW 20 all model variants	A) Amendment of the Maintenance Manual B) Inspection Programm to increase the Service Life	A) Prior to the next annual C. of A. inspection, but before or on <b>Dec. 31, 1998</b> , at the latest B) Prior to reaching a total service life of 3000 or 6000 flight hours respectively	
<b>39/2</b>	<b>1998-255</b> <b>21.05.98</b>	<b>17.04.98</b> LBA-app.:24.04.98	ASW 20, all model variants ASW 20 TOP, all model variants ASW 24 prototype, S/N 24000	A) Amendment of the Maintenance Manual B) Inspection Programm to increase the Service Life, Issue 2	A) Prior to the next annual C. of A. inspection, but before or on <b>Dec. 31, 1998</b> , at the latest B) Prior to reaching a total service life of 3000 or 6000 flight hours respectively	
<b>40</b>		<b>28.06.99</b> LBA-app.:14.03.00	ASW 20, all model variants ASW 20 TOP, all model variants ASW 24 prototype, S/N 24000	Nose bolt with O-Ring for horizontal tail	none, optional mod only	
<b>41</b>		<b>14.01.08</b> EASA-gen.: 11.01.08	ASW 20 all model variants ASW 20 TOP all model variants	Installation of transponder antennas inside the fuselage behind the landing gear	none, optional on customer's request	