


<b>EASA</b>	<b>EMERGENCY AIRWORTHINESS DIRECTIVE</b>	
	<b>AD No.: 2008-0200-E</b> <b>[Corrected: 19 November 2008]</b>	
	<b>Date: 13 November 2008</b>	
<p>Note: This Emergency Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation</p>		
<p>This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>		
<b>Type Approval Holder's Name :</b>		<b>Type/Model designation(s) :</b>
None		GARDAN GY-80 series aeroplanes
SAS Number :		EASA.SAS.A.075
Foreign AD :		Not Applicable
Supersedure:		None
<b>ATA 01</b>	<b>Airplane Operating Manual - Fuel Consumption Data and Conversion Tables - Correction</b>	
Manufacturer(s):	SUD AVIATION, Yves Gardan	
Applicability:	GARDAN Model GY 80 series aeroplanes, all serial numbers	
Reason:	<p>A mistake has been found in the GY-80 English Language Operating Manual, dated 01 January 1966. This mistake concerns the unit conversion scales indicated on the fuel consumption curve for Lycoming O-360-A engine and it may have been the cause of an accident.</p> <p>To address this condition, this AD forbids the use of the existing conversion scales and provides correct conversion data to be inserted into the Airplane Operating Manual.</p> <p>This AD is corrected to stress that the same incorrect unit conversion scales were also used in the French Language Operating Manual.</p>	
Effective Date:	17 November 2008	
Required Action(s) and Compliance Time(s):	<p>After the effective date of this AD, unless accomplished previously:</p> <ol style="list-style-type: none"> <li>(1) The use of the unit conversion scales (US Gallon to Imperial Gallon and US Gallon to Litre) indicated on the O-360-A engine fuel consumption graph on Chapter III Page 23 of the GY-80 English Language and French Language Operating Manuals, both dated 01 January 1966, is forbidden.</li> <li>(2) The following conversion data must be used as reference in order to replace the incorrect conversion scales:</li> </ol>	

## (a) Conversion coefficients:

1 US Gallon = 0.8326738 Imperial Gallon = 3.785412 Litres

1 Litre = 0.2641721 US Gallon = 0.2199692 Imperial Gallon

1 Imperial Gallon = 1.20095 US Gallon = 4.546092 Litres

## (b) Conversion tables:

US Gallons	Imperial Gallons	Litres
5	4.2	18.9
6	5	22.7
7	5.8	26.5
8	6.7	30.3
9	7.5	34
10	8.33	37.8
11	9.16	41.6
12	10	45.4
13	10.8	49.2
14	11.7	53
15	12.5	56.8
16	13.3	60.6
17	14.16	64.4

Imperial Gallons	US Gallons	Litres
4	4.8	18.2
5	6	22.7
6	7.2	27.3
7	8.4	31.8
8	9.6	36.4
9	10.8	40.9
10	12	45.5
11	13.2	50
12	14.4	54.6
13	15.6	59.1
14	16.8	63.7

	<table border="1" data-bbox="678 241 1254 900"> <thead> <tr> <th>Litres</th><th>US Gallons</th><th>Imperial Gallons</th></tr> </thead> <tbody> <tr><td>20</td><td>5.3</td><td>4.4</td></tr> <tr><td>25</td><td>6.6</td><td>5.5</td></tr> <tr><td>30</td><td>7.9</td><td>6.6</td></tr> <tr><td>35</td><td>9.25</td><td>7.7</td></tr> <tr><td>40</td><td>10.6</td><td>8.8</td></tr> <tr><td>45</td><td>11.9</td><td>9.9</td></tr> <tr><td>50</td><td>13.2</td><td>11</td></tr> <tr><td>55</td><td>14.5</td><td>12.1</td></tr> <tr><td>60</td><td>15.85</td><td>13.2</td></tr> <tr><td>65</td><td>17.2</td><td>14.3</td></tr> </tbody> </table> <p data-bbox="491 974 1417 1034">(3) Insert a copy of this AD in the GY 80 Operating Manual, facing Page 23 of Chapter III.</p> <p data-bbox="475 1093 1465 1182">Note 1: As the type certificate of the GY-80 airplane has been surrendered ("orphan" aircraft), the Operating Manual will not be revised by any type certificate holder.</p>	Litres	US Gallons	Imperial Gallons	20	5.3	4.4	25	6.6	5.5	30	7.9	6.6	35	9.25	7.7	40	10.6	8.8	45	11.9	9.9	50	13.2	11	55	14.5	12.1	60	15.85	13.2	65	17.2	14.3
Litres	US Gallons	Imperial Gallons																																
20	5.3	4.4																																
25	6.6	5.5																																
30	7.9	6.6																																
35	9.25	7.7																																
40	10.6	8.8																																
45	11.9	9.9																																
50	13.2	11																																
55	14.5	12.1																																
60	15.85	13.2																																
65	17.2	14.3																																
Ref. Publications:	SUD AVIATION GY 80 English Language and French Language Operating Manuals, both dated 01 January 1966																																	
Remarks :	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this EAD.</li> <li>2. The safety assessment has requested not to implement the full consultation process and an immediate publication and notification.</li> <li>3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management &amp; Research Section, Certification Directorate, EASA. E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</li> </ol>																																	