

VALVE, BUTTERFLY S/O 2.50 IN. DIA.

PART  
SERIAL  
MOD RECORD

109812-14  
2681

SERIES

2

CAGE  
59364

**Allied-Signal Aerospace Company**

**FLUID SYSTEMS DIVISION**

**MADE IN  
USA**

1. Approving Civil Aviation Authority/Country <b>FAA/UNITED STATES</b>	2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: <b>C2G5A0001001001</b>
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4. Organization Name and Address: <b>Duncan Aviation/3701 Aviation Road/Lincoln, NE 68524 JGVR194F</b>		5. Work Order/Contract/Invoice Number: <b>C2G5A</b>
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6. Item: <b>1</b>	7. Description: <b>PRESSURE REGULATING VALVE</b>	8. Part Number: <b>109812-14</b>	9. Quantity: <b>1</b>	10. Serial Number: <b>2681</b>	11. Status/Work: <b>Repaired</b>
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12. Remarks:  
 Pre inspected. Function tested to verify function of torque motor and switch operation, found torque motor out of specifications and switch operation/indication within limits. Found valve binding. Disassembled. Cleaned. Visually inspected. Dimensionally inspected. Electrically inspected. Found o-rings worn, retainer packings, butterfly shaft bearings and seal worn, setscrew worn. Butterfly plate piston ring worn/flat spotted. Actuator assembly and regulator assembly diaphragms worn and regulator assembly valve poppet spring distorted. Sent torque motor P/N: 3160785-27, S/N: 68653, out for overhaul. Received overhauled torque motor P/N: 3160785-27, S/N: R241213452, and installed. Replaced applicable parts with new parts. Reapplied and baked dry lube. Reassembled. Function tested and adjusted to manufacturer's specifications. No defects noted. Safety wired. Final inspected. Repaired IAW HONEYWELL Two and One-Half Inch Diameter Butterfly Shutoff Valve Component Maintenance Manual, Revision 8, dated 04/11/2025.

Duncan Aviation certifies that the work specified in Blocks 11 and 12 was performed IAW EASA part 145, and with respect to that work, the aircraft component is considered ready for release to service under EASA approval number EASA.145.4392. All EASA/FAA Airworthiness Directives are the responsibility of the installer. No current U.S. Airworthiness Directives apply. All current EASA AD's have been researched, none apply.

This document constitutes a signed copy of the work order  
 Approval for return to service  
 See attached parts list

13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.		14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulations specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13b. Authorized Signature:	13c. Approval Authorization No.:	14b. Authorized Signature: <i>Alexander M Thor</i>	14c. Approval/Certificate No.: <b>JGVR194F</b>
13d. Name (Type or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Type or Printed): <b>Alexander M Thor</b>	14e. Date (dd/mmm/yyyy): <b>15 Aug 2025</b>

**User/Installer Responsibilities**  
 It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.  
 Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.  
 Statements in blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.  
 FAA Form 8130-3 (02-14) NSN-0052-00-012-9005