



Installation Instructions

GULFSTREAM

G280

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0.2 Amendment Record Procedure

The master copy of this document shall be kept electronically as a read only document under the control of Aveo Engineering Group, s.r.o. as Master Copy.

ALL amendments to this manual will initiate a raise of issue.

The original issue will be identified by “01”, and subsequent issues will be numbered sequentially from 02 to 99 in Table 01 - **Issue No.** column.

ALL issues of this document will be approved by Head of DO.

| Issue No. | Details | Date | Effected Pages |
|--|---------------|-------------|----------------|
| 01 | Initial Issue | 9 Jun. 2018 | ALL |
| | | | |
| | | | |
| | | | |
| | | | |
| Table 01: Record of Document Amendments | | | |

0.3 Effected Pages Procedure

ALL pages affected by ANY raise of issue of this manual will be listed in Table 01 - **Effected Pages** Column.

Changes from the previous issue are shown as follows:

- a) new text is highlighted with yellow shading: **new**
- b) deleted text is shown with yellow shading and a strike through: ~~deleted~~

Part 1 Installation Instruction

1.1 General

This installation is to be performed in accordance to common practice as described in general practice section of the **Gulfstream G280** Aircraft Maintenance Manual (AMM).

The installer is responsible to follow the installation instructions in the latest revision of the following installation manuals:

- G280 AMM
- AVE-H30-002-IM

All drawings applicable for this change are listed in the Drawing List:

- None

The change is to be performed using the document AVE-MOD-018-MCS in the latest issue.

The aircraft manuals remain fully valid. For maintenance of the new lights follow the Aveo Installation Manuals referenced above.

1.2 Continued Airworthiness

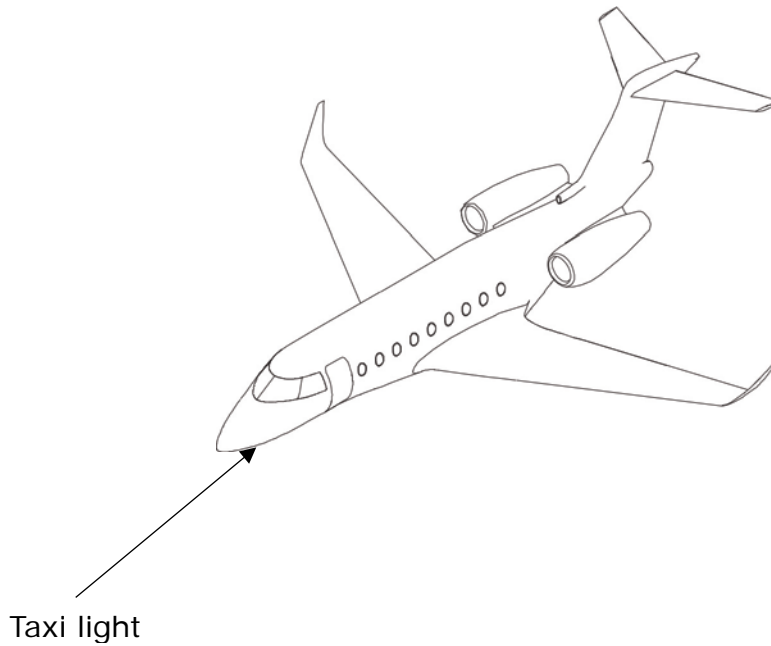
The aircraft manuals remain fully valid. The inspection intervals and the procedures of the aircraft override the general statements in the component manuals as listed under §1.1.

For inspection of the new lights themselves follow the procedure of the Aveo Installation Manuals referenced above.

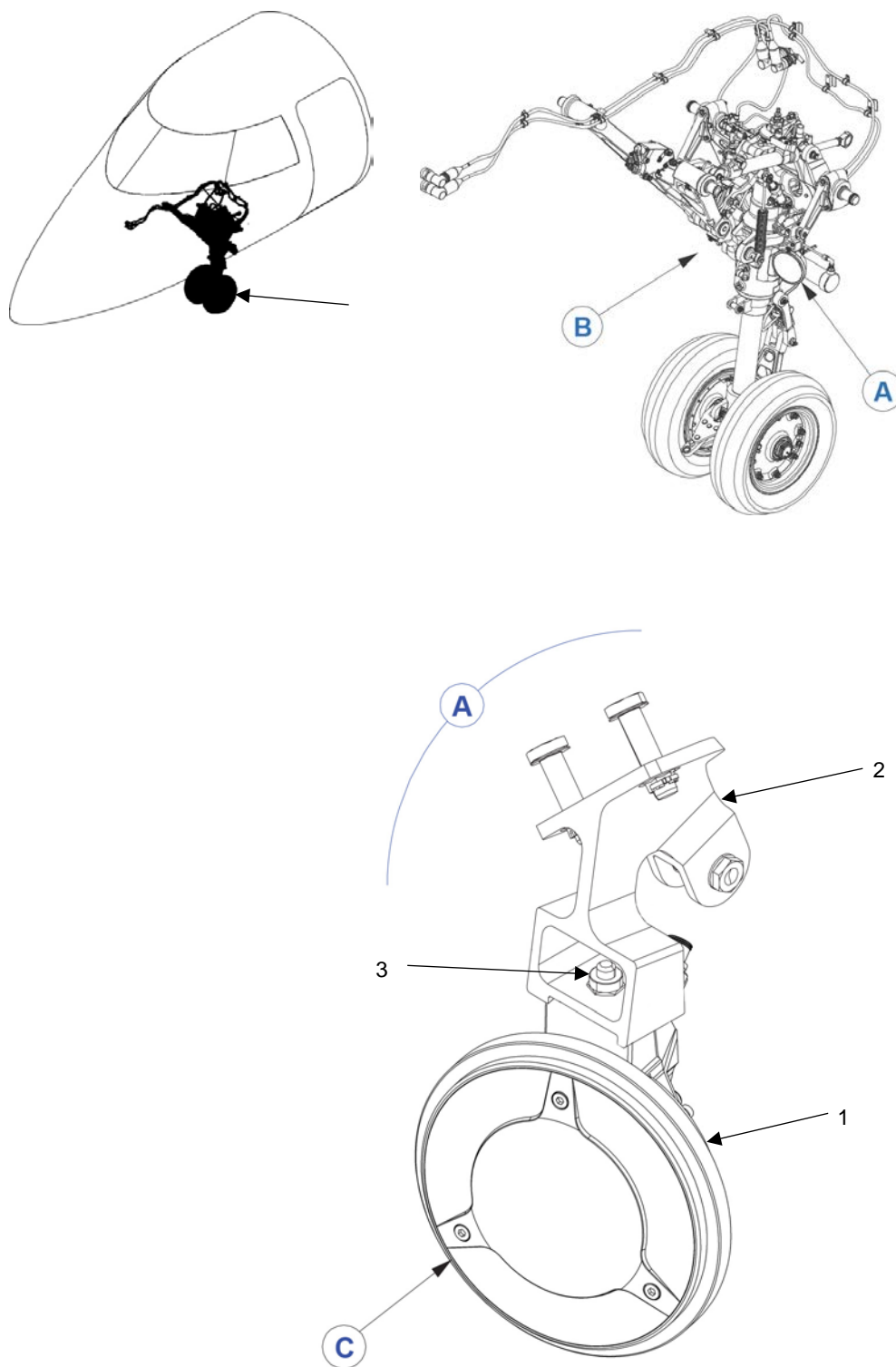
1.3 Description

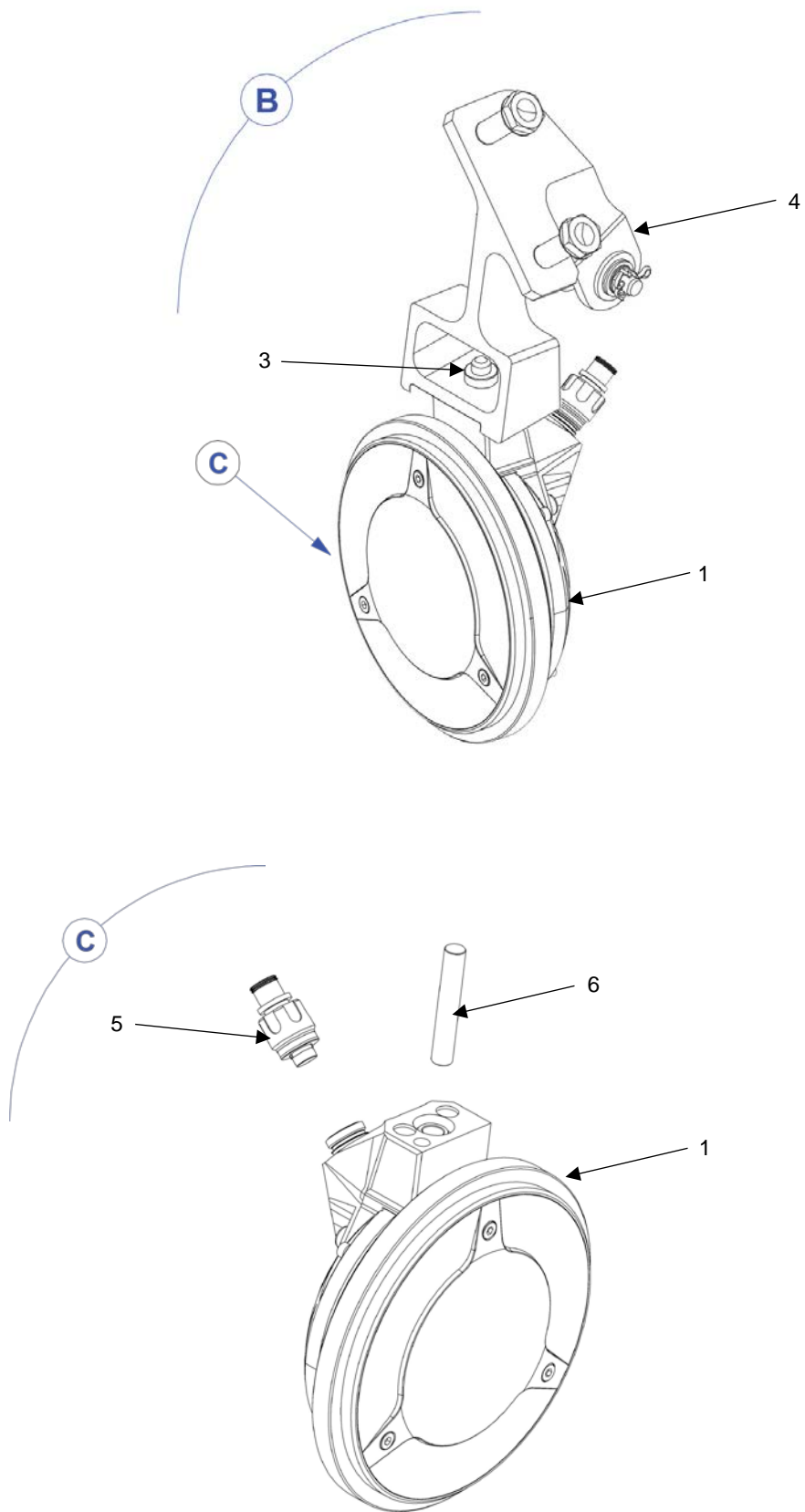
This modification is to replace the original taxi lights by the Aveo Hercules light. The intensity of the light is higher at a lower current draw. The Hercules light is installed to the original bracket using the same fastener size.

| Original Light | | AVEO Light | | Note |
|-------------------------------|--------------|---------------------------------------|---------------|------|
| Name | Part Number | Name | Part Number | |
| Light, Taxi (LH) (item 5) | B4150B9-4626 | Hercules LLP Taxi, Threaded Rod | AVE-H30-W-301 | |
| Light, Taxi (RH) (item 10) | B4150B9-4626 | | | |



1.4 Taxi Light Installation





| Figure and Index Number | Part Number | Description | Parts Avail. | QTY. Per assy. |
|---|-------------------------|--|--------------|----------------|
| TAXI LIGHT INSTALLATION | | | | |
| A | ----- | Left taxi light | | |
| 1 | AVE-H30-W-301 | Hercules LLP Taxi, Threaded rod | | 1 |
| 2 | 30A2720120-501 | Bracket assy, taxi light (LH) (VS5495) | | 1 |
| 3 | MS35333-78 MS21083N4 | Washer, lock Nut | | 1 1 |
| B | ----- | Right taxi light | | |
| 1 | AVE-H30-W-301 | Hercules LLP Taxi, Threaded rod | | 1 |
| 4 | 30A2720120-502 | Bracket assy, taxi light (RH) (VS5495) | | 1 |
| 3 | MS35333-78 MS21083N4 | Washer, lock Nut | | 1 1 |
| C | ----- | | | |
| 1 | AVE-H30-W-301 | Hercules LLP Taxi, Threaded rod | | 1 |
| 5 | 1M.302.XLCT | Connector LEMO FGN.1M.302.XLCT | | 1 |
| 6 | N/A | Rod | | 1 |
| <p>NOTES</p> <ul style="list-style-type: none"> • Remove original taxi light and holder as per AMM • Inspect the holder for any corrosion and if applicable correct corrosion issue as per aircraft AMM and SRM • Install the new light as per instruction above • Connect wires to connector according to AVE-H30-002-IM, consider polarity | | | | |

Part 2 Compliance Demonstration

This document is in relation to the certification program AVE-MOD-018-PFC.
The compliance is demonstrated for the following certification specification:

| Requirements | MoC | Statement of Compliance |
|---|-------|--|
| CS 25.603 Materials | MoC 0 | (a) All materials used are common tested materials. (b) No strength and other property data has been used for this modification. (c) The environmental conditions have been regarded for the selection of materials and the surface treatment. |
| CS 25.609 Protection of structure | MoC 0 | (a) All parts installed are verified to be suitable. The installation instruction requests the aircraft structure to be inspected for probable corrosion before installing the new lights. (b) Not applicable |
| CS 25.1301 Function and installation | MoC 0 | (a)(1) All lights are tested to appropriate categories. (a)(2) Not applicable (a)(3) All equipment is installed within their limits. (b) The Electric wiring is not changed. Connections are established according standard practice. |
| CS 25.1529 Instructions for Continued Airworthiness | MoC 0 | The modification does not require any changes to the aircraft maintenance procedure which is clearly stated in §1.1 General. |