APPAREO

INFORMATION NOTICE

NUMBER: 600870-000026
SUBJECT: STRATUS ESG GPS FIX
COMPLIANCE LEVEL: OPTIONAL
DATE: 9/28/2017

1. Planning Information

A. Effectivity

(1) Unit Applicability

Model Description	Appareo Part Number	Revisions Affected
Stratus ESG Transponder	153510-000017	501010-000113 R05 and earlier

(2) Aircraft Affected

Models Affected
ALL

B. Reason

Appareo has identified an issue affecting a small amount of customers where Stratus ESG may not be able to get GPS fix on startup as a result of a corrupted GPS parameter.

C. Description

This information notice describes how to download the Stratus ESG Update Tool and apply the software update to Stratus ESG.

D. Compliance Time

This update is optional; there is not a recommended compliance time. The software update does not need to be applied if the issue has not been encountered.

E. Approval

This information notice contains no modification information that revises the approved configuration and therefore does not require governmental or other regulatory agency approval.

F. Manpower

Action	Estimated time (in minutes)
Download and install the Stratus ESG Update Tool and software update file	3
Wire the transponder for the software update	5
Upload software update file onto Stratus ESG	3
Verify software update was correctly installed (optional)	2
Update logbook for compliance to this information notice	5
Total elapsed time to perform information notice procedures	18

G. Weight Change

None

H. Electrical Load Change
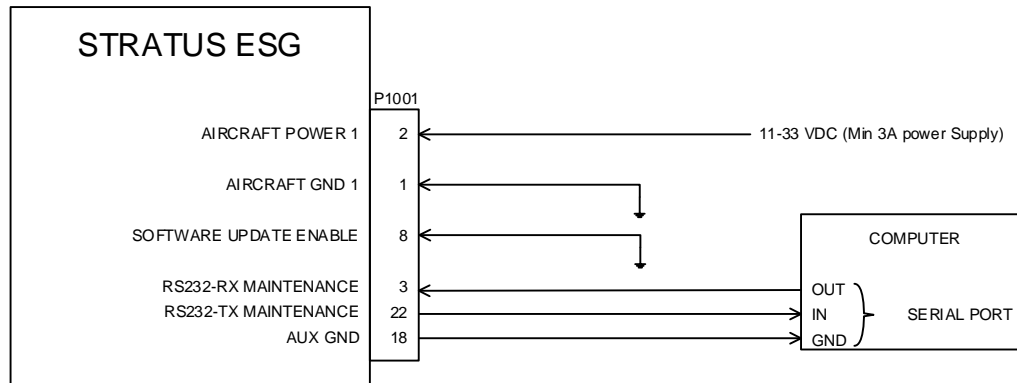
None

2. Material Information

A. Materials Required

Appareo Part Number	Material Description	Note
n/a	Portable computer with Windows operating system	Used to download the Stratus ESG Update Tool and software update file.
501010-000137	Stratus ESG Software Update Tool desktop software	Used to apply the software update. Available for download from the Appareo Dealer Portal or www.appareo.com/resources.
501010-000138	Stratus ESG software update	Available for download from the Appareo Dealer Portal or www.appareo.com/resources.
n/a	3 amp power supply	Used to apply the software update to Stratus ESG.
n/a	D-sub wiring harness	Used to connect Stratus ESG to the portable computer.
n/a	Serial to USB adapter (optional)	Used to connect Stratus ESG to the portable computer.

3. Accomplishment Instructions

To perform the software update, complete the following steps:

1. Use the following diagram to wire the transponder for a software update.

STRATUS ESG

	P1001	
AIRCRAFT POWER 1	2	11-33 VDC (Min 3A power Supply)
AIRCRAFT GND 1	1	
SOFTWARE UPDATE ENABLE	8	COMPUTER
RS232-RX MAINTENANCE	3	OUT
RS232-TX MAINTENANCE	22	IN SERIAL PORT
AUX GND	18	GND

NOTES:

SOME DETAIL IS REMOVED FOR CLARITY
1 UNLESS OTHERWISE SPECIFIED, ALL WIRING TO BE DONE WITH 22 AWG WIRING

2. Plug the serial port connector into the computer. A serial to USB adapter may be required. If the adapter requires you to install drivers, install them.

3. Power on Stratus ESG. It will enter into software update mode.

   NOTE: The screen will be black, but the keypad will illuminate.

4. Apply the software update.

   a. Download the Stratus ESG Update Tool (if you haven't already) and the update file.

      i. **Dealers:** Log in to the Appareo Dealer Portal, then navigate to www.appareo.com/dealer-portal/service-bulletins.

         Experimental pilots: Navigate to www.appareo.com/resources and click "Service Bulletins."

      ii. Download the Stratus ESG Update Tool and the update file. When prompted, install the update tool by following the on-screen prompts.

   b. Open the Stratus ESG Update Tool.

   c. Click the box below "Update File" and navigate to the update file that was downloaded in Step 4.a.

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    d. Use the "Port" drop-down menu to select the computer port that is connected to Stratus ESG.

    e. Click **Update**. A pop-up box will appear when the update begins and completes.

5. Verify that the software update has applied correctly.

    a. Remove the grounding pin (pin 8).

    b. Turn off Stratus ESG and enter into configuration mode (while holding the **FUNC** key, press and release the **PWR** key).

    c. Press **FUNC** or the arrow keys to advance to the software versions diagnostic screens. Verify that the most recent programmed configuration shown in the table below appears.

Description	Part Number	Revision	CRC
Software (DSC)	501010-000113	R06	0x7631

    NOTE: Do not update the mod level label.