

INFORMATION NOTICE

NUMBER: 600870-000033
 SUBJECT: VISION 1000 GPS ANTENNA GROUNDING STRAP UPDATE
 COMPLIANCE LEVEL: RECOMMENDED
 DATE: JANUARY 24, 2020

1. Planning Information

A. Effectivity

(1) Unit Applicability

Model Description	Appareo Part Number
Vision 1000 Final Assembly	150575-000021

(2) Aircraft Affected

- Cessna 208B

B. Reason

Appareo has improved the GPS antenna and added a grounding strap to the GPS antenna installation. This reduces ESD buildup that could permanently damage the GPS antenna.

C. Description

This information explains how to replace the GPS antenna and install the grounding strap.

D. Compliance Time

Appareo recommends performing these procedures at the earliest opportunity where manpower and facilities are available.

E. Approval

This information notice is a summary of a change approved per STC SA03285CH for the Cessna 208B aircraft. The updates in this information notice have been incorporated into revision 1.2 of the installation instructions (600840-000039) and revision 1.3 of the instructions for continued airworthiness (600845-000027).

F. Manpower

Estimated time: 4 hours

G. Weight Change

None

H. Electrical Load Change

None

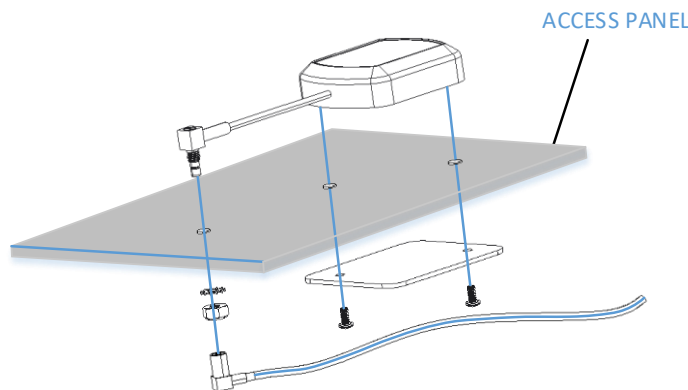
2. Material Information

A. Materials Required

Material Description	Appareo Part Number	QTY
GPS Antenna, Cessna 208B	153510-000152	1
Grounding Strap	253030-000026	6 ft.
Structural Doubler for Gilsson Active GPS Antenna	351005-000008	1
Vision 1000 Bracket Clamping Plate	351005-000037	1
RG-316 Extension Cable with SMB - 12'	355020-000088	1
Metric Pan Head ZP Machine Screw, M3 X 8mm	356060-000272	1
M3 ZP, 9mm OD Oversized Washer	356060-000273	1
10-32 X .75" Phillips Pan Head Screw, Lock Washer	356060-000276	1
10-32 Ring Terminal	356060-000277	3
10-32 Star Washer Locknut, ZP	356060-000278	1
10-32 Jam Nut, ZP	356060-000279	1
#10 Aluminum Washer	356060-000283	2
#10 ZP Aluminum Washer	356060-000284	2

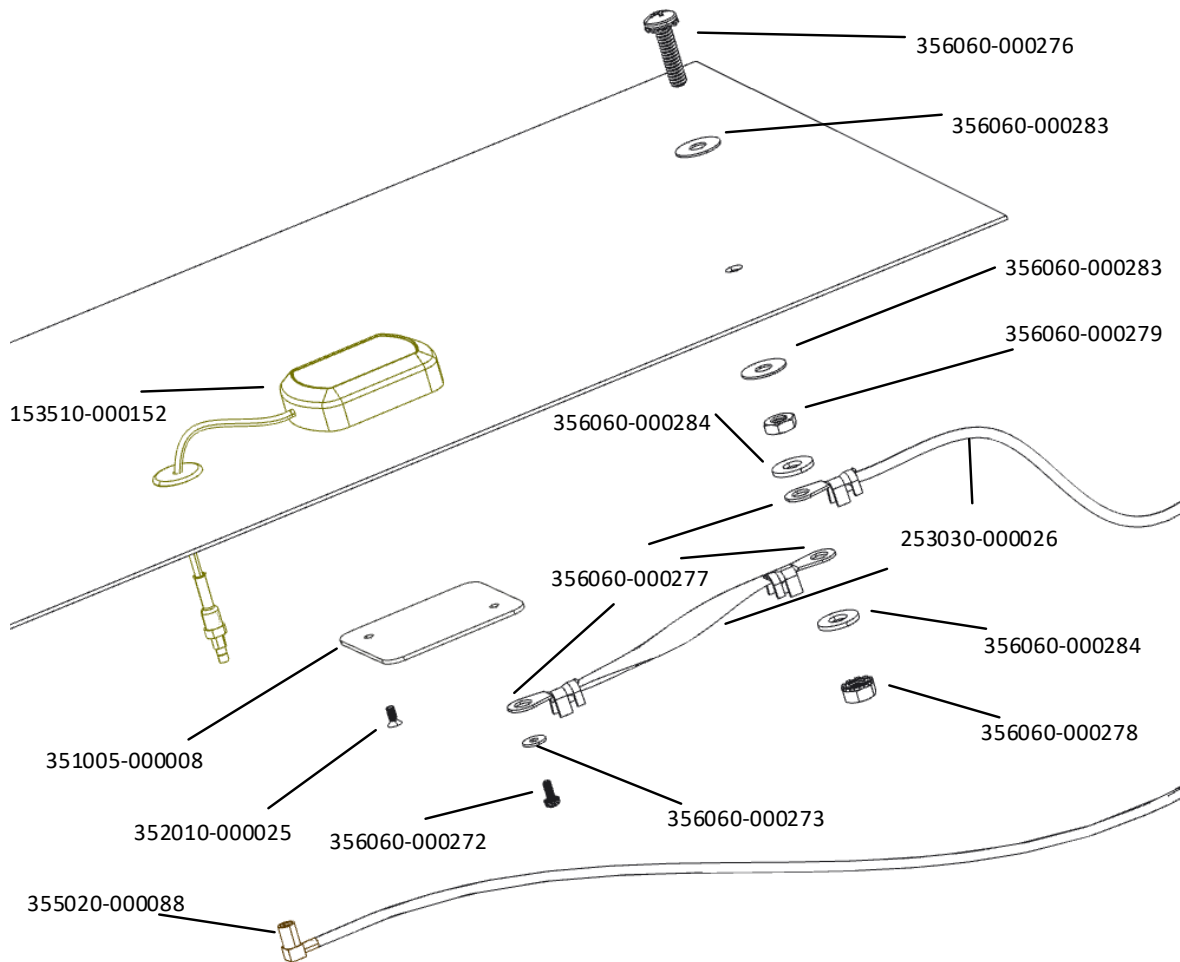
3. Accomplishment Instructions

A. Uninstall the existing GPS antenna



- (1) Remove screws from instrument access panel.
- (2) Lift up the instrument access panel and disconnect GPS extension cable (355020-000088) from GPS antenna cable.
- (3) Unscrew the mounting hardware from the structural doubler (351005-000008).

B. Install the new GPS antenna and grounding strap



(1) Align GPS antenna assembly (153510-000152) and structural doubler (351005-000008) with drilled holes. Thread through the forward end of the structural doubler and hand-tighten:

- Screw (356060-000272)
- Oversized washer (356060-000273)
- Ring terminal (356060-000277) (grounding strap)

- (2) Thread a screw (352010-000025) up through structural doubler (351005-000008) into antenna (Item 4).
- (3) Insert SMB end of GPS antenna assembly (153510-000152) through the hole and set grommet into place.
- (4) Reinstall instrument access panel.
- (5) Connect the GPS extension cable (355020-000088) to the GPS antenna (153510-000152) and secure on both sides of connection.

NOTE: GPS antenna coaxial cable has a minimum bend radius of 1 inch.

C. Perform BITs (Built-in-Tests)

NOTE: Functional tests should be executed in an area where the aircraft has unimpeded view of the sky so that a proper GPS fix can be established.

- (1) Connect the Vision 1000 to a laptop and open the Configuration Tool.
- (2) Click the **BIT** tab, then click **Start Built in Test**.
- (3) After a few moments, all of the individual built-in-tests will display either a Pass or Fail status. If each built-in-test has a "Pass" status, the Vision 1000 is functioning correctly.

NOTE: SD card BIT failures will occur if the SD card is not in the Vision 1000 during this procedure.

- (4) Disconnect the Vision 1000 from the laptop and replace the Vision 1000 port's dust cap.