

## INFORMATION NOTICE

NUMBER: 600870-000036  
 SUBJECT: NEW RACK AND BACKPLATE CERTIFIED FOR ROTORCRAFT INSTALLATION  
 OF STRATUS ES/ESG  
 COMPLIANCE LEVEL: OPTIONAL  
 DATE: 3/11/2020

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### 1. Planning Information

#### A. Effectivity

##### (1) Unit Applicability

Model Description	Appareo Part Number	Revisions Affected	Serial Numbers Affected
Stratus ESG Transponder	153510-000017	All	All
Stratus ES Transponder	153510-000069	All	All

##### (2) Aircraft Affected

Models Affected
Rotorcraft equipped with part 23 Stratus ES/ESG hardware

#### B. Reason

A new rack and backplate for rotorcraft installation of Stratus ES/ESG have been certified.

**New customers:** Use rotorcraft rack (353070-000368) and backplate (353070-000369) for new rotorcraft installation of Stratus ES/ESG.

**Existing customers:** If you installed Stratus ES/ESG in a helicopter before March 23, 2020, we recommend that you replace the rack and backplate with the rotorcraft hardware by following the instructions in this information notice. The Part 23 rack and backplate were found to have cracks in the corners during helicopter vibration testing.

#### C. Description

This information notice describes how to uninstall the airplane rack and backplate and install the rotorcraft rack and backplate in its place.

#### D. Compliance Time

This update is optional and there is not a recommended compliance time.

## 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)
Uninstall the current rack and backplate	15
Install the new rack and backplate	15
Perform functional tests	15
Update logbook for compliance to this information notice?	5
Total elapsed time to perform information notice procedures	50

## G. Weight Change

None

## H. Electrical Load Change

None

## 2. Material Information

### A. Materials Required

Appareo Part Number	Material Description
353070-000368	Stratus ES/ESG Rack (Helicopter)
353070-000369	Stratus ES/ESG Backplate Assembly (Helicopter)

## 3. Accomplishment Instructions

1. Uninstall the transponder from the panel.
  - a. Turn the 3/32 hex wrench counter-clockwise on the locking mechanism through the front of the transponder to loosen the lock until the transponder connectors disconnect. Keep loosening the unit until it stops sliding out of the install rack. Do not loosen any further. Pull out the transponder by hand.
2. Uninstall the existing rack and back plate by disconnecting the DSUB, TNC and BNC connectors.

3. Install the new rack and backplate using your existing hardware.
  - a. Refer to Stratus ES/ESG Installation and Wiring Drawings (601837-000050) to assemble the mounting rack.
  - b. Mount the rack to the aircraft using the six holes on the side of the rack.

**NOTE:** For an optimal fit, mounting brackets may be required, but are not supplied. If additional brackets are needed, they should be fabricated for each individual installation.

**NOTE:** Ensure that the unit is supported in the back. This may require additional support.
4. Re-install the transponder into the panel.
  - a. Adjust the locking mechanism on the transponder using a 3/32 hex wrench so that the front lobe is in a vertical position. Insert the unit by hand until it comes to a stop. This occurs when the front lobe contacts the clearance slot of the install rack.
  - b. Tighten the locking mechanism with the 3/32 hex wrench until it is tight and the connectors have mated. Do not overtighten. If the mechanism will not tighten, verify that the transponder is properly seated in the rack. The unit is fully seated when the unit does not move back when tightening the locking mechanism.

**NOTE:** Ensure that the transponder is seated as far back as possible against the backplate so that there is a secure connection between the transponder and the connectors.

**NOTE:** Conduct the applicable functional tests in Section 5 of the Stratus ES/ESG Installation Instructions (600840-000032) after replacing the transponder assembly.
5. Update logbook for compliance to this information notice.