



SERVICE LETTER RCA 2012-03-08

Date: 08 March 2012
Subject: Skyview firmware version 3.3
Affected Aircraft: ZU-FJS; ZUFLU; ZU-FMH; ZU-JOC; ZU-MAR; ZU-NTC; ZU-SAN; ZU-VRA; ZU-WEG
Required Action: Rename certain engine sensors on the system
Time of Compliance: After upgrade to Firmware version 3.3

Synopsis: Skyview version 3.3 activates the audio outputs/alert on the system. Engine sensor names loaded onto the system by Dynon did in RCA's opinion not have proper descriptions. Oil Pressure sensor name was OIL. Oil temperature sensor was also labeled OIL. The problem with this was that when a warning was displayed on screen, the system made use of the sensor name for the warning. Therefore you could get a high OIL temp warning or a high OIL pressure warning with the same warning label – OIL HIGH. It was for this reason that RCA changed the names of some sensors. E.g. Oil temp sensor was labeled OIL T while OIL pressure sensor was labeled OIL P. Firmware version 3.3 has fixed the warning labels displayed by the system however the custom labels programmed by RCA has induced a problem with the audio alerts which will require the sensor names to be returned to the Dynon factory names for the affected sensor aural warning to be heard.

Accomplishing Instructions:

- a. Download Skyview Firmware version 3.3
http://www.dynonavionics.com/downloads/Software/SkyView-3.3.0-dynon_update.dup and load onto Skyview system.
NOTE: Aircraft with two screens will need to load the Firmware version onto each screen.
NOTE: Make sure Autopilot servo power is switched ON while doing the update.
- b. Download the Sensor Data
http://www.dynonavionics.com/downloads/Software/sensor_12_16_2011.sfg and load onto your system
NOTE: This must only be done after you have loaded the Firmware version.
NOTE: Aircraft with two screens will need to load this file onto each screen.

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Accomplishing Instructions:

- c. Return sensor names to factory settings as follows:
ENTER SETUP>EMS SETUP>SENSOR INPUT MAPPING.
P6-highlight OIL P> Press SELECT> Highlight OIL> Press ACCEPT

P7-highlight **OIL T**> Press SELECT> Highlight **OIL**> Press ACCEPT

P8-highlight **FUEL P**> Press SELECT> Highlight **FUEL**> Press ACCEPT

P20-highlight **FUEL L**> Press SELECT> Highlight **LEFT**> Press ACCEPT

P21-highlight **FUEL R**> Press SELECT> Highlight **RIGHT**> Press ACCEPT

P23-highlight **CARB T**> Press SELECT> Highlight **CARB**> Press ACCEPT

When complete with changes **PRESS SAVE.**

NOTE: Customers with fuel injection will not have CARB T

NOTE: Section C above need only be carried out on one screen on aircraft with dual screen systems as the other screens settings will be automatically updated

Notes: As per the latest revision of the Dynon Skyview Pilots User Guide we note that not all engine sensors have an aural warning (see page 125). CARB Temp is one. We have contacted Dynon regarding this and hopefully they will add this at a later update.