

UNAPPROVED PARTS NOTIFICATION

Aircraft Certification Service



FAA
Aviation Safety

No.: 2016-2016SW56001

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<http://www.faa.gov/aircraft/safety/programs/sups/upn>

AFFECTED PRODUCTS

NavWorx, Incorporated remotely mounted Universal Access Transceiver (UAT) model ADS600-B with part numbers 200-0012 and 200-0013, with software release 4.0.6 (or later releases that contain the changes introduced by software update 4.0.6). All software releases from 4.0.6 through the current release as of the date of this notice, 4.1.0, contain these changes.

PURPOSE

This notification advises all aircraft owners, operators, maintenance organizations, parts suppliers, and distributors, of the unapproved status of certain NavWorx Incorporated remotely mounted UAT ADS600-B models.

BACKGROUND

As a result of an investigation, the Federal Aviation Administration has determined that NavWorx, Incorporated remotely mounted UAT ADS600-B with part numbers 200-0012 and 200-0013, that have been updated with software release 4.0.6 (or later releases that contain the changes introduced by software update 4.0.6) do not meet the minimum performance standards specified in TSO C-154c even if they are marked with the TSO number and all markings specifically required by that TSO. These models indicate that they are broadcasting with the integrity required by 14 CFR 91.227, however they contain an internal commercial GPS unit that has not been shown to meet the ADS-B Out performance requirements of 14 CFR 91.227. As a result, the operation of these units could result in an unsafe condition in the National Airspace System (NAS) due to the transmission of inaccurate aircraft position data. The transceiver version of the NavWorx ADS600-B is currently produced in four different part numbers. Part numbers 200-0112 and 200-0113 contain an approved GPS position source and are not the subject of this notice.

RECOMMENDATIONS

This recommendation applies to all aircraft certificated in any category. The FAA recommends that aircraft owners, operators, maintenance organizations, parts suppliers, and distributors inspect their aircraft, aircraft records, and parts inventory for ADS600-B models, part numbers 200-0012 and 200-0013, with software release 4.0.6 (or later releases that contain the changes introduced by software update 4.0.6), produced by NavWorx, Incorporated located in Rowlett, Texas. Affected persons can identify whether their unit was delivered with the affected software load by checking the detailed part number of their equipment, which is 200-[0012 or 0013]-[hardware mod]-[software mod]. If the [software mod] number is 06 or higher, the unit is affected by this notice. Any part number 200-0012 or 200-0013 units that have been modified after delivery by loading software version 4.0.6 or later are also affected. If these articles are found installed in any aircraft, it is recommended they not be operated and be removed or deactivated. If these parts are found in existing inventory, it is recommended they be quarantined to prevent installation.

FURTHER INFORMATION

Further information concerning this investigation and guidance regarding the above-referenced parts may be obtained from the FAA Aircraft Certification Office (ACO) shown below. In addition

to the above recommendations, the FAA would appreciate any information concerning the discovery of these or similar parts, the means used to identify the source, whether or not the unit was marked or otherwise documented as a TSO-C154c article, and the action taken to remove them from the aircraft and/or parts inventories.

This notice originated from the Fort Worth ACO, ASW-143, 10101 Hillwood Parkway, Fort Worth, Texas 76177, Attention: Michael Heusser, telephone (817) 222-5038, fax (817) 222-5245.