



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

**Transport Airplane Directorate  
Aircraft Certification Service**

1601 Lind Avenue Southwest  
Renton, Washington 98057-3356

**APR - 6 2011**

In Reply  
Refer To: 160S-GA-11-4

Ms. Chris Atwood  
Vice President  
Aviation Specialties Unlimited, Inc.  
4632 West Aeronca St.  
Boise, ID 83705

Dear Ms. Atwood:

Subject: Approval of Service Bulletin (SB) ASU 206-2010-11-1, dated  
November 4, 2010

Reference: Aviation Specialties Unlimited letter ASU-206 SB request

The Seattle Aircraft Certification Office has reviewed the subject SB. This SB is the subject of a Federal Aviation Administration planned airworthiness directive.

The FAA approves SB ASU 206-2010-11-1, dated November 4, 2010.

If you have any questions concerning the changes needed to the technical content, please contact Mr. Shaun Ripple, with the Flight Test Branch, at telephone number (425) 917-6524, facsimile number (425) 917-6590 or through electronic mail at [shaun.ripple@faa.gov](mailto:shaun.ripple@faa.gov).

Sincerely,

*for* Robert D. Breneman  
Acting Manager, Seattle Aircraft  
Certification Office

Enclosure:  
Service Bulletin ASU 206-2010-11-1



## **Bell Helicopter Textron 206 series ALERT SERVICE BULLETIN**

Turbine Outlet Temperature Indicator Over Temperature Annunciator Light.

### **1. Planning Information**

#### **A. Effectivity**

- (1) Helicopters affected: Bell Helicopter Textron Model 206, 206A, 206B, 206B-1, 206L, 206L-1, 206L-3, 206L-4 aircraft with STC SR01383SE NVIS Lighting installation.
- (2) Components affected: Turbine Outlet Temperature (TOT) Indicator / Gauge in unfiltered condition.
- (3) Manufacturer Part Number – As prescribed in Bell Helicopter Textron illustrated parts manual and or applicable supplemental type certificate master drawing list.
- (4) Spare Parts affected: none

#### **B. Concurrent Requirements**

Not applicable.

#### **C. Reason**

The indicator / gauges as prescribed above require additional NVIS filtration to prevent decreased visual acuity while utilizing night vision goggles if the TOT over-temperature warning light illuminates.

#### **Description**

Turbine Outlet Temperature Indicator / Gauge require a filtration update.

#### **D. Compliance**

The installation of filters, as applicable, shall be accomplished within the next 30 days and or 50 hours of aircraft operation (which ever occurs first).

#### **E. Approval**

The technical content of this document is approved under the authority of the Seattle Aircraft Certification Office.

#### **F. Manpower**

Time required to complete this process is estimated at 1 hour.

#### **G. Electrical Load Data**

Not applicable.



**H. Software Accomplishment Summary**

Not applicable.

**I. References**

ASU Instructions for Continued Airworthiness, Document No. ICA-206004-4.

**J. Other Publications Affected**

Not applicable.

**K. Interchangeability of Parts**

Not applicable.

**L. Weight and Balance**

Not applicable.

**2. Material Information**

**A. Material – Price and Availability**

**P/N:** ASU-TOTGAG-1    **Availability:** In Stock    **Cost:** No Charge

**B. Support Information**

Not applicable.

**C. Material Necessary for Each Helicopter**

See Item 2.A. Material applicable only to aircraft identified with component as illustrated in Item 3. C. (1), Example 1.

**D. Material Necessary for Each Spare**

Items maintained in-stock at ASU. Spare parts are at the discretion of the operator.

**E. Re-identified Parts**

Not applicable.

**F. Special Tooling**

Not applicable. Items needed for filter removal and replacement listed in ICA-206004-4.



**Aviation Specialties Unlimited Inc.**

**3. Accomplishment Instructions**

- A. Visually inspect the aircraft (Section C. of this Bulletin) and determine if the TOT indicator/gauge has an over temperature warning indicator, using procedure 3. C. Log the result by marking the applicable condition as indicated below:
  - Aircraft has Turbine Outlet Temperature indicator / gauge with internal Over Temperature indicator light:
  - Aircraft does not have Turbine Outlet Temperature indicator / gauge with internal Over Temperature indicator light:

- B. For all aircraft, document the completion of the Service Bulletin, by indicating applicability and completing the below contact/aircraft information:

Service Bulletin  Applicable  Not Applicable

Organization:			
POC/Title:			
Ship To Address:			
City/State/Zip:			
Phone Number:		Email:	
Aircraft S/N:			

Fax this page to ASU at (208) 287-5409. If the aircraft has a Turbine Outlet Temperature indicator / gauge with an internal Over Temperature warning light, it has been determined that a NVIS filter is required, ASU will immediately ship the replacement part to the address as identified above.

4632 Aeronca Street, Boise, Idaho 83705 Phone: (208) 426-8117 Fax: (208) 426-8975



**C. Accomplish this Service Bulletin.**

- (1) Visually inspect, identifying the TOT indicator/gauge. Determine if unit has an over temperature warning indicator. The below example is an unfiltered TOT indicator/gauge, which will require filtering per this Service Bulletin.

**Example 1:** TOT indicator/gauge requiring filtering per this Service Bulletin

	<p>Unfiltered TOT gauge. Requires filtering per this Service Bulletin.</p>
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**Example 2:** TOT indicator/gauge, which does not require filtering.

	<p>TOT indicator/gauge previously NVIS filtered due to requirement of filtration on the Digital Totalizer. Does not require any additional action.</p>
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- (2) If the aircraft has a TOT indicator/gauge with an internal Over Temperature warning light, it has been determined that a NVIS filter is required. Utilize ASU document ICA-206004-4 for instructions to install the filter P/N ASU-TOTGAG-1.
- (3) Confirm accomplishment of this service bulletin by an entry in the historical record of the helicopter.

**D.** Any further questions can be directed to ASU by calling Kip McDermott, Quality Manager or Shawn Woodworth, Repair Station Manager at (208) 426-8117.

**4. Appendix**

Not applicable.