

HARTZELL PROPELLER INC.

# ALERT SERVICE BULLETIN

TRANSMITTAL SHEET

HC-ASB-30-358

## Anti-ice - Travel Tube Bracket Weldment Replacement

February 01, 2016

This page transmits a revision to Alert Service Bulletin HC-ASB-30-358.

- Original Issue, dated Oct 01/15
- Revision 1, dated Nov 11/15
- Revision 2, dated Feb 01/16

Propeller assemblies that have previously complied with the bracket replacement required in the original issue of this Alert Service Bulletin are not affected.

Changes are shown by a change bar in the left margin of the revised pages.

Revision 2 is issued to change the following in the Alert Service Bulletin:

- Revise Table 2, "Affected Propeller Serial Numbers"

This Alert Service Bulletin is reissued in its entirety.

HARTZELL PROPELLER INC.

# **ALERT SERVICE BULLETIN**

**TRANSMITTAL SHEET**

**HC-ASB-30-358**

**Anti-ice - Travel Tube Bracket Weldment Replacement**

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# HARTZELL PROPELLER INC.

# ALERT SERVICE BULLETIN

## HC-ASB-30-358

### Anti-ice - Travel Tube Bracket Weldment Replacement

#### 1. Planning Information

##### A. Effectivity

(1) Hartzell Propeller Inc. steel hub turbine propeller model HC-B3TN-3AF/T10890CNB-2 with serial numbers listed in Table 1 are affected by this Alert Service Bulletin.

(a) Affected propellers may be installed on, but not limited to Cessna 208B Caravan aircraft.

Affected Propeller Serial Numbers				
BUA32499	BUA32699	BUA32841	BUA33007	BUA33306
BUA32500	BUA32704	BUA32846	BUA33034	BUA33316
BUA32501	BUA32709	BUA32865	BUA33045	BUA33321
BUA32519	BUA32712	BUA32870	BUA33047	BUA33322
BUA32523	BUA32716	BUA32873	BUA33048	BUA33335
BUA32524	BUA32720	BUA32876	BUA33049	BUA33364
BUA32552	BUA32730	BUA32882	BUA33066	BUA33370
BUA32553	BUA32734	BUA32886	BUA33083	BUA33380
BUA32563	BUA32753	BUA32895	BUA33085	BUA33382
BUA32565	BUA32757	BUA32900	BUA33086	BUA33386
BUA32571	BUA32759	BUA32914	BUA33104	BUA33387
BUA32573	BUA32763	BUA32916	BUA33155	BUA33398
BUA32574	BUA32767	BUA32918	BUA33159	BUA33400
BUA32576	BUA32771	BUA32923	BUA33160	BUA33404
BUA32577	BUA32772	BUA32924	BUA33163	BUA33405
BUA32580	BUA32775	BUA32925	BUA33179	BUA33406
BUA32592	BUA32776	BUA32928	BUA33181	BUA33409
BUA32596	BUA32779	BUA32954	BUA33183	BUA33410
BUA32606	BUA32783	BUA32962	BUA33198	BUA33411
BUA32608	BUA32794	BUA32963	BUA33219	BUA33412
BUA32619	BUA32800	BUA32979	BUA33240	BUA33414
BUA32641	BUA32807	BUA32983	BUA33254	BUA33418
BUA32647	BUA32817	BUA32987	BUA33270	BUA33420
BUA32660	BUA32832	BUA32990	BUA33293	BUA33441
BUA32661	BUA32837	BUA33000	BUA33294	BUA33452
BUA32676	BUA32839	BUA33003	BUA33304	BUA33498
BUA32680	BUA32840	BUA33006	BUA33305	-

**Affected Propeller Serial Numbers**  
**Table 1**

# ALERT SERVICE BULLETIN

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### Anti-ice - Travel Tube Bracket Weldment Replacement

WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS ALERT SERVICE BULLETIN. INFORMATION CONTAINED IN THIS ALERT SERVICE BULLETIN MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. FAILURE TO COMPLY WITH THIS ALERT SERVICE BULLETIN OR THE USE OF OBSOLETE INFORMATION MAY CREATE AN UNSAFE CONDITION THAT MAY RESULT IN DEATH, SERIOUS BODILY INJURY, AND/OR SUBSTANTIAL PROPERTY DAMAGE. REFER TO THE SERVICE BULLETIN INDEX FOR THE MOST RECENT REVISION LEVEL OF THIS ALERT SERVICE BULLETIN.

#### B. Concurrent Requirements

- (1) Additional service documents may apply to the components/propellers affected by this Alert Service Bulletin. Compliance with additional service documents may be necessary in conjunction with the completion of the Accomplishment Instructions in this Alert Service Bulletin. Refer to the Hartzell Propeller Inc. website at [www.hartzellprop.com](http://www.hartzellprop.com) for a cross-reference of service documents.

#### C. Reason

- (1) Hartzell Propeller Inc. has received field reports of broken welds on the 104714 bracket weldments used to align the anti-ice fluid travel tubes on the affected propellers.
  - (a) Broken welds on the 104714 bracket weldments may prevent the correct alignment of the travel tube that dispenses anti-ice fluid onto the anti-icing boot on the blade.
- (2) Hartzell Propeller Inc. is introducing the 106107 anti-ice bracket to replace the 104714 bracket weldment used on the affected propellers.
  - (a) The 106107 anti-ice bracket is formed from a single piece of material with no welds for improved durability.
- (3) Regulatory action is not expected.

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### Anti-ice - Travel Tube Bracket Weldment Replacement

#### D. Description

- (1) This Alert Service Bulletin provides Instructions for Continued Airworthiness (ICA).
- (2) This Alert Service Bulletin provides instructions for inspecting welds on the 104714 bracket weldments used on the affected propellers.
- (3) This Alert Service Bulletin provides instructions for removal of the 104714 bracket weldments and installation of the 106107 anti-ice brackets.
- (4) Hartzell Propeller Inc. will warrant the cost of parts and labor associated with the inspection and replacement of the weldment brackets.
  - (a) Refer to the Appendix section of this Alert Service Bulletin for complete details of the warranty program.
- (5) This Alert Service Bulletin requires that all 104714 bracket weldments in inventory/stock be removed and returned to Hartzell Propeller Inc.

#### E. Compliance

- (1) Bracket Weldment Inspection
  - (a) Within 50 flight hours from the date of this Alert Service Bulletin, perform an inspection of the 104714 bracket weldments in accordance with the Accomplishment Instructions in this Alert Service Bulletin.
- (2) Bracket Replacement (Terminating Action)
  - (a) At next propeller overhaul, next annual inspection, next appropriate phase inspection, or within 200 flight hours from the release date of this Alert Service Bulletin, whichever occurs first, replace the 104714 bracket weldments with 106107 anti-ice brackets in accordance with the Accomplishment Instructions in this Alert Service Bulletin.
    - 1 Replacement of the 104714 bracket weldments with 106107 anti-ice brackets is terminating action for this Alert Service Bulletin.

#### F. Approval

- (1) FAA acceptance has been obtained on technical data in this publication that affects type design.

HARTZELL PROPELLER INC.

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### Anti-ice - Travel Tube Bracket Weldment Replacement

G. Manpower

Procedure	Man-hours
Bracket Weldment Inspection	1 hour
Bracket Replacement	2.5 hours
Dynamic Balance (optional)	3.0 hours

H. Weight and Balance

- (1) Not changed

I. Electrical Load Data

- (1) Not changed

**CAUTION:** DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF A DOCUMENT.

J. References

- (1) Hartzell Propeller Inc. Propeller Owner's Manual 139 (61-00-39)  
- Available on the Hartzell Propeller Inc. website at [www.hartzellprop.com](http://www.hartzellprop.com)
- (2) Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80)  
- Available on the Hartzell Propeller Inc. website at [www.hartzellprop.com](http://www.hartzellprop.com)
- (3) Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02) - Volume 7, Consumable Materials is available on the Hartzell Propeller Inc. website at [www.hartzellprop.com](http://www.hartzellprop.com)
- (4) Airframe Manufacturer's Maintenance Manual (AMM)

K. Other Publications Affected

- (1) Hartzell Propeller Inc. Propeller Ice Protection System Manual 180 (30-61-80)  
- Available on the Hartzell Propeller Inc. website at [www.hartzellprop.com](http://www.hartzellprop.com)
- (2) Hartzell Propeller Inc. Propeller Ice Protection System Component Maintenance Manual 181 (30-60-81)  
- Available on the Hartzell Propeller Inc. website at [www.hartzellprop.com](http://www.hartzellprop.com)

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### Anti-ice - Travel Tube Bracket Weldment Replacement

#### 2. Material Information

##### A. Required Components

<b>106200 Kit, Anti-ice, Replacement</b>		
Part Number	Description	Qty
106107	Bracket, Anti-ice	3
B-3384-4	Bolt, 1/4-28, Hex Head	6
B-3837-0432	Washer, Corrosion Resistant	6
104789	Screw, 1/4-28, 100° Head	3
106118	Washer, 1/4", .875 OD	6
B-3808-4	Nut, Hex, Self-Locking	3
B-3845-7	Screw, 10-32, Truss Head	3
B-3808-3	Nut, Hex, Self-Locking	3

##### B. Consumables

- (1) Loctite 222, Threadlocker, Low Strength, CM21
- (2) Grease, CM12
- (3) 0.032 inch (0.81 mm) Stainless Steel Safety Wire

**NOTE:** All CM numbers in this Alert Service Bulletin refer to the Hartzell Propeller Inc. Standard Practices Manual 202A, Volume 7, Consumable Materials and Packaging and Storage (Available on the Hartzell Propeller Inc. website at [www.hartzellprop.com](http://www.hartzellprop.com)).

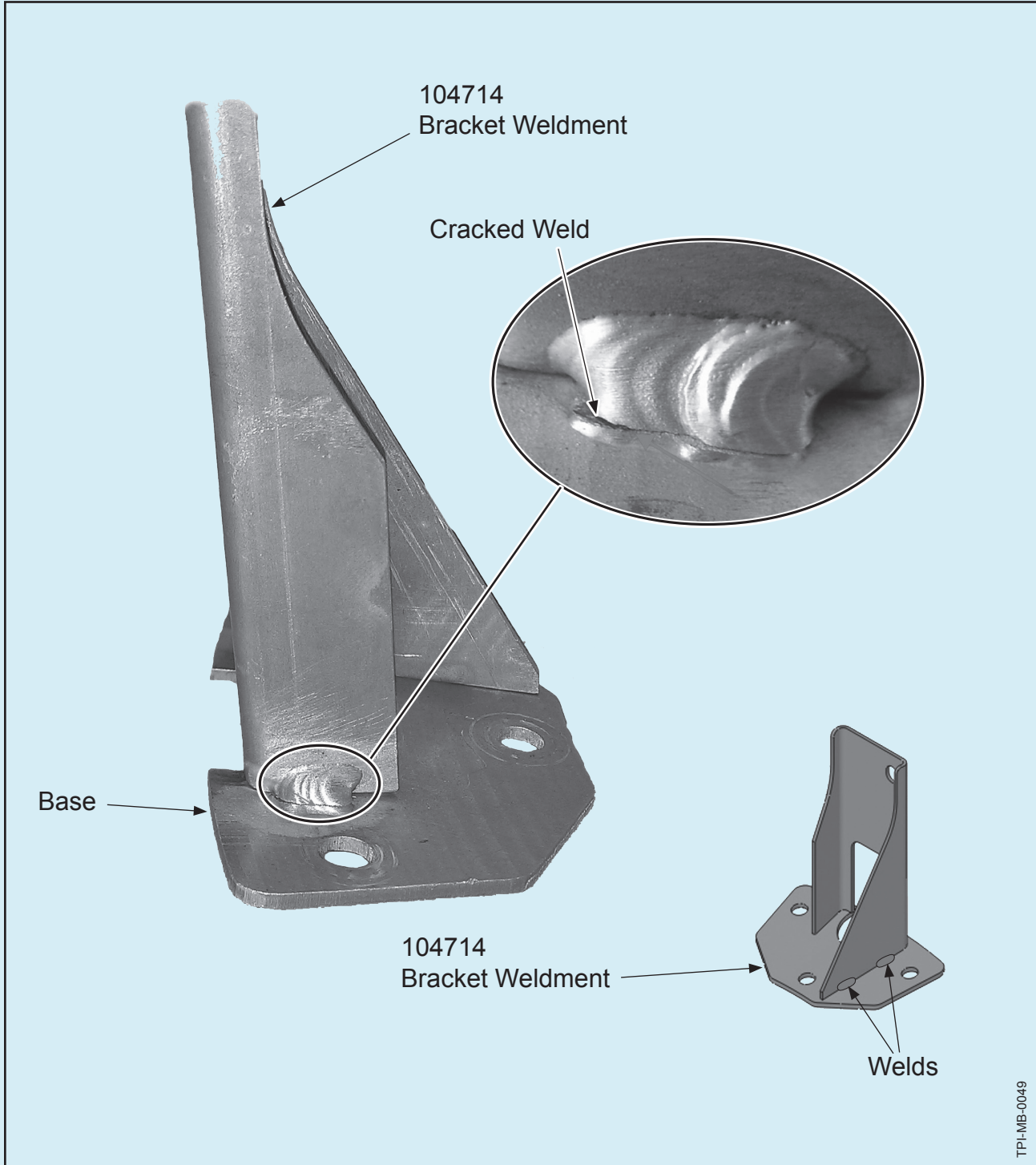
##### C. Special Tooling

- |                                     |                  |
|-------------------------------------|------------------|
| (1) Safety wire pliers              | Locally procured |
| (2) Torque wrench                   | Locally procured |
| (3) 7/16 inch Torque wrench adapter | Locally procured |
| (4) 7/16 inch Crowfoot wrench       | Locally procured |

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Anti-ice - Travel Tube Bracket Weldment Replacement



**104714 Bracket Weldment Inspection**  
**Figure 1**



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### Anti-ice - Travel Tube Bracket Weldment Replacement

#### 3. Accomplishment Instructions

##### A. Bracket Weldment Inspection

- (1) This procedure may be performed by a certified aircraft mechanic with the appropriate rating or by a certified propeller repair station with the appropriate rating.
- (2) Remove the spinner dome in accordance with Hartzell Propeller Inc. Owner's Manual 139 (61-00-39).
- (3) Examine each 104714 bracket weldment on the affected propeller for cracked or broken welds at the base of the bracket. Refer to Figure 1.
  - (a) If none of the 104714 bracket weldments have any cracked/broken welds, the propeller **passes** the bracket weldment inspection.
  - (b) If any of the 104714 bracket weldments have one (but no more than one) cracked/broken weld, the propeller **fails** the bracket weldment inspection.
    - 1 If the cracked/broken weld is still securing the upper portion of the bracket to the base:
      - a Within 50 flight hours of the bracket weldment inspection, replace all three bracket weldments in accordance with section 3.B. of the Accomplishment Instructions in this Alert Service Bulletin.
    - 2 If the cracked/broken weld has caused separation between the upper portion of the bracket and the base:
      - a Contact the Product Support Department at Hartzell Propeller Inc. before further flight.
  - (c) If any of the 104714 bracket weldments have two or more cracked/broken welds, the propeller **fails** the bracket weldment inspection.
    - 1 Contact the Product Support Department at Hartzell Propeller Inc. before further flight.
- (4) Complete the Inspection Report/Compliance Form in the Appendix section of this Alert Service Bulletin.

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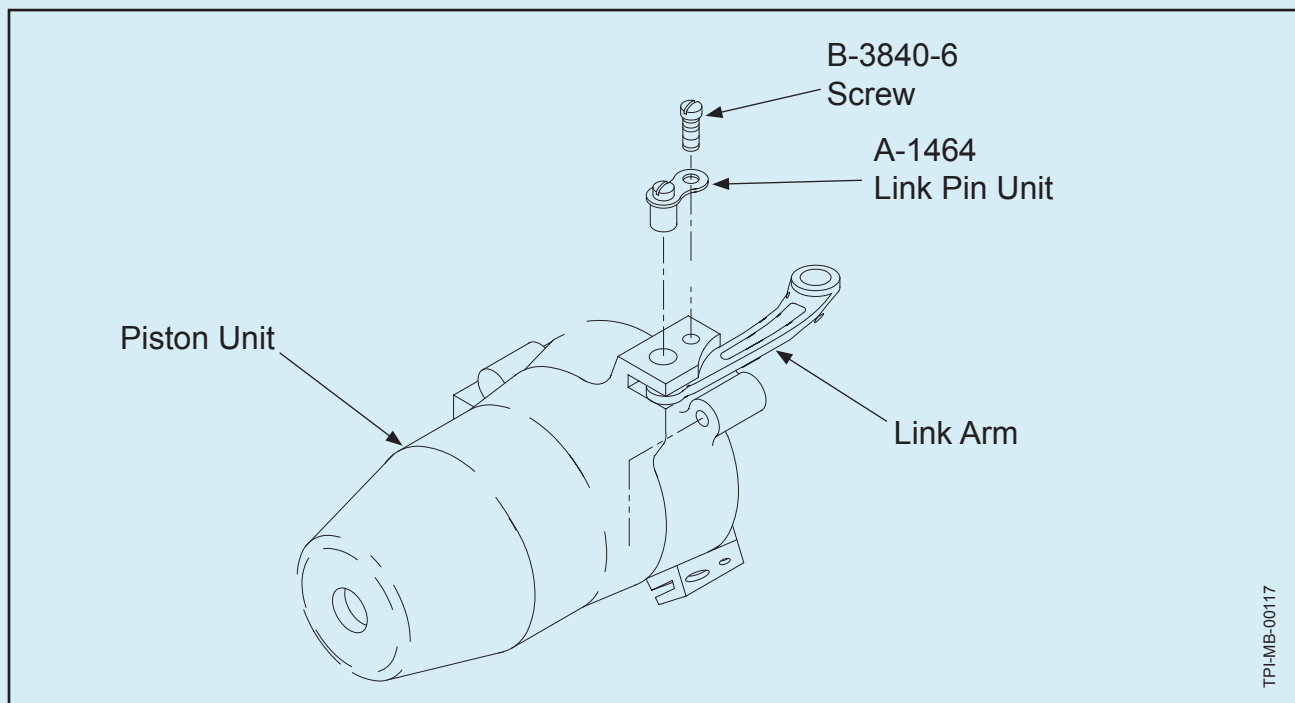
### Anti-ice - Travel Tube Bracket Weldment Replacement

#### B. Bracket Replacement (Terminating Action)

- (1) This procedure may be performed on-wing by a certified aircraft mechanic with the appropriate rating or by a certified propeller repair station with the appropriate rating.
- (2) Remove the spinner dome in accordance with Hartzell Propeller Inc. Owner's Manual 139 (61-00-39).
- (3) Open the upper right cowling door and remove the right nose cap in accordance with the airframe manufacturer's maintenance manual (AMM).
- (4) Disconnect the three link arms from the piston unit. Refer to Figure 2.

**NOTE:** Disconnecting the link arms will permit the blades to be rotated for access to remove/install the 106107 anti-ice brackets.

- (a) Cut and remove the safety wire securing the B-3840-6 screw to the A-1464 link pin unit.
- (b) Remove and retain the B-3840-6 screw and the A-1464 link pin unit.
- (c) Repeat steps 3.B.(4)(a) and 3.B.(4)(b) for each link arm.

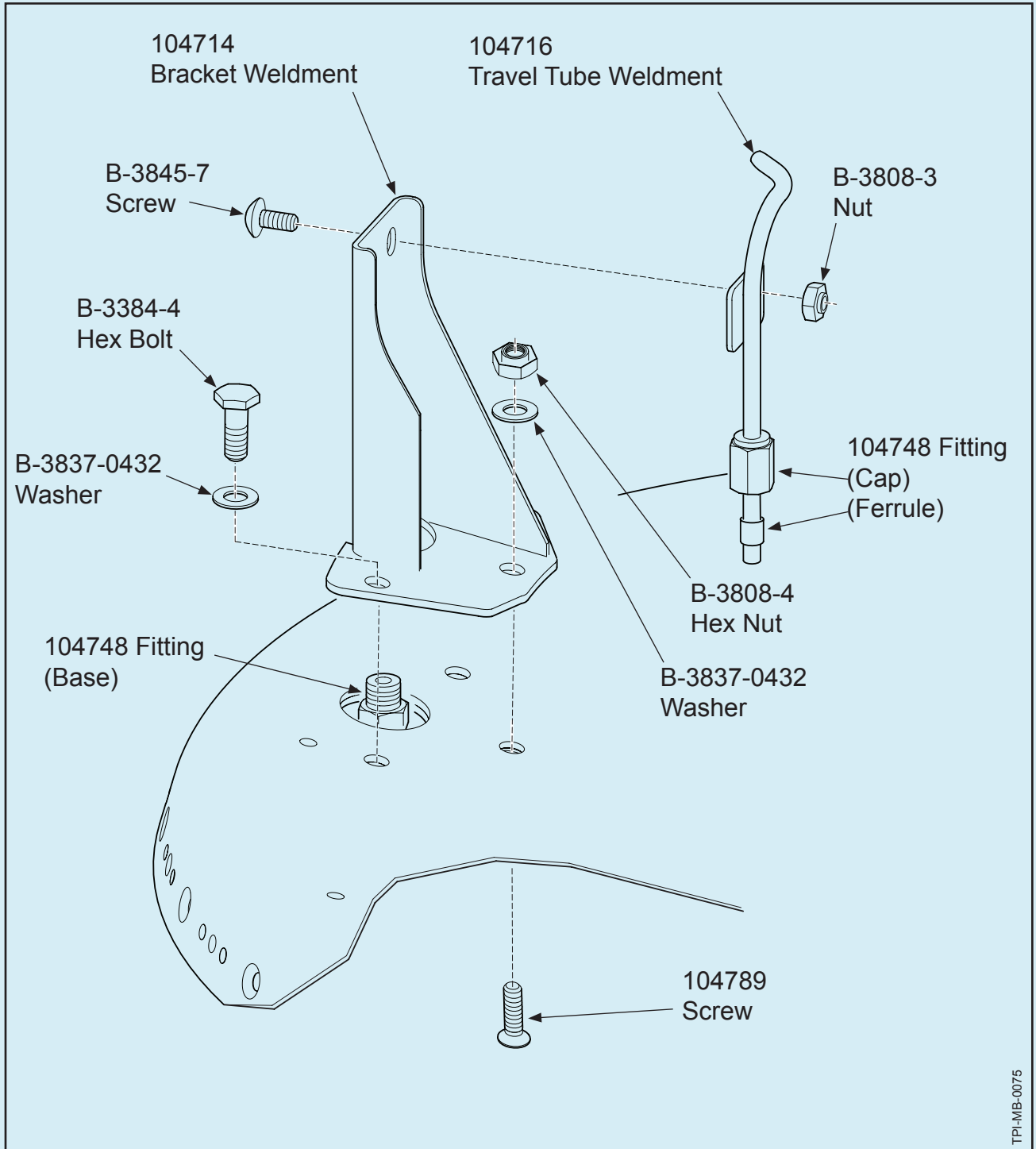


**Disconnecting the Link Arm from the Piston Unit**  
**Figure 2**

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## Anti-ice - Travel Tube Bracket Weldment Replacement



**Removing the 104714 Bracket Weldment  
Figure 3**

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### Anti-ice - Travel Tube Bracket Weldment Replacement

- (5) Remove the 104716 travel tube weldment from the 104714 bracket weldment. Refer to Figure 3.
  - (a) Holding the base of the 104748 fitting to prevent rotation, loosen the cap of the 104748 fitting until it separates from the base.
  - (b) Remove and discard the B-3845-7 screw and the B-3808-3 nut from the 104714 bracket weldment.
  - (c) Remove the 104716 travel tube weldment from the base of the 104748 fitting.
    - 1 Do not remove the cap and ferrule of the 104748 fitting from the 104716 travel tube weldment. These components will be reused.
- (6) Remove and discard the 104714 bracket weldment. Refer to Figure 3.
  - (a) Remove and discard the two B-3384-4 hex bolts and two B-3837-0432 washers.
  - (b) Remove and discard the B-3808-4 hex nut, B-3837-0432 washer, 104789 screw, and the 104714 bracket weldment.
- (7) Install the 106107 anti-ice bracket. Refer to Figure 4.
  - (a) Align the mounting holes in the 106107 anti-ice bracket with the mounting holes in the bulkhead.
  - (b) Put one 106118 washer under the 106107 anti-ice bracket on the same side as the travel tube mounting hole as shown in Figure 4.
  - (c) Apply Loctite 222 CM21 to the threads of the two B-3384-4 hex bolts.
  - (d) Install two B-3384-4 hex bolts and two B-3837-0432 washers through the two outer mounting holes in the 106107 anti-ice bracket.

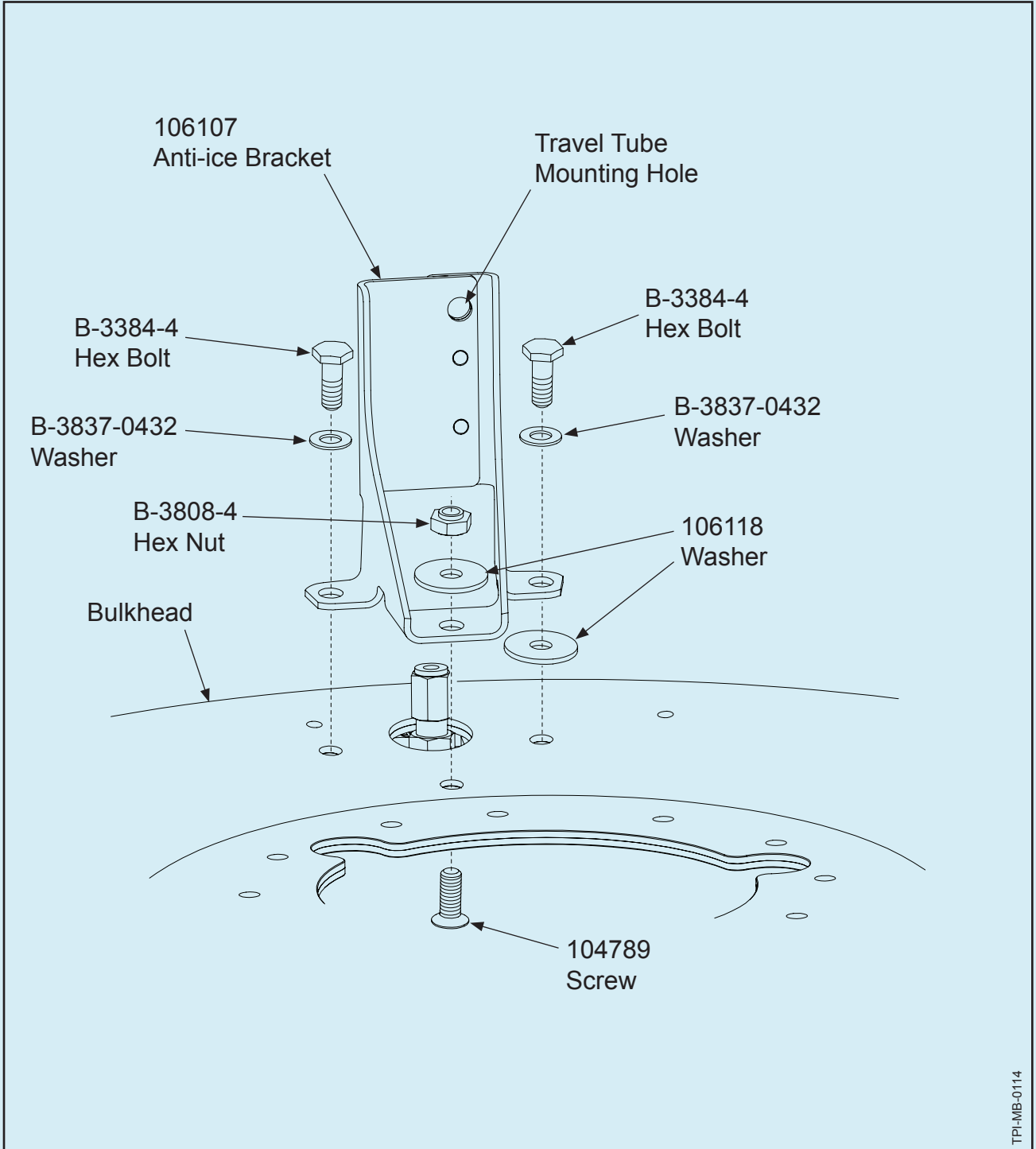
**CAUTION: USE CAUTION WHEN ROTATING THE BLADES TO PREVENT DAMAGE TO THE PISTON.**

- 1 Manually rotate the blade as necessary for access to install the two B-3384-4 hex bolts.
- (e) Install the 104789 screw from the aft-side of the bulkhead through the inner mounting hole of the 106107 anti-ice bracket, then install the 106118 washer and B-3808-4 hex nut.
  - 1 Torque the B-3808-4 hex nut to 70 - 85 In-Lbs (8.0 - 9.6 N•m).
    - a If necessary, use a 7/16 inch crowfoot wrench to torque the B-3808-4 hex nut. Refer to Figure 5.

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## Anti-ice - Travel Tube Bracket Weldment Replacement



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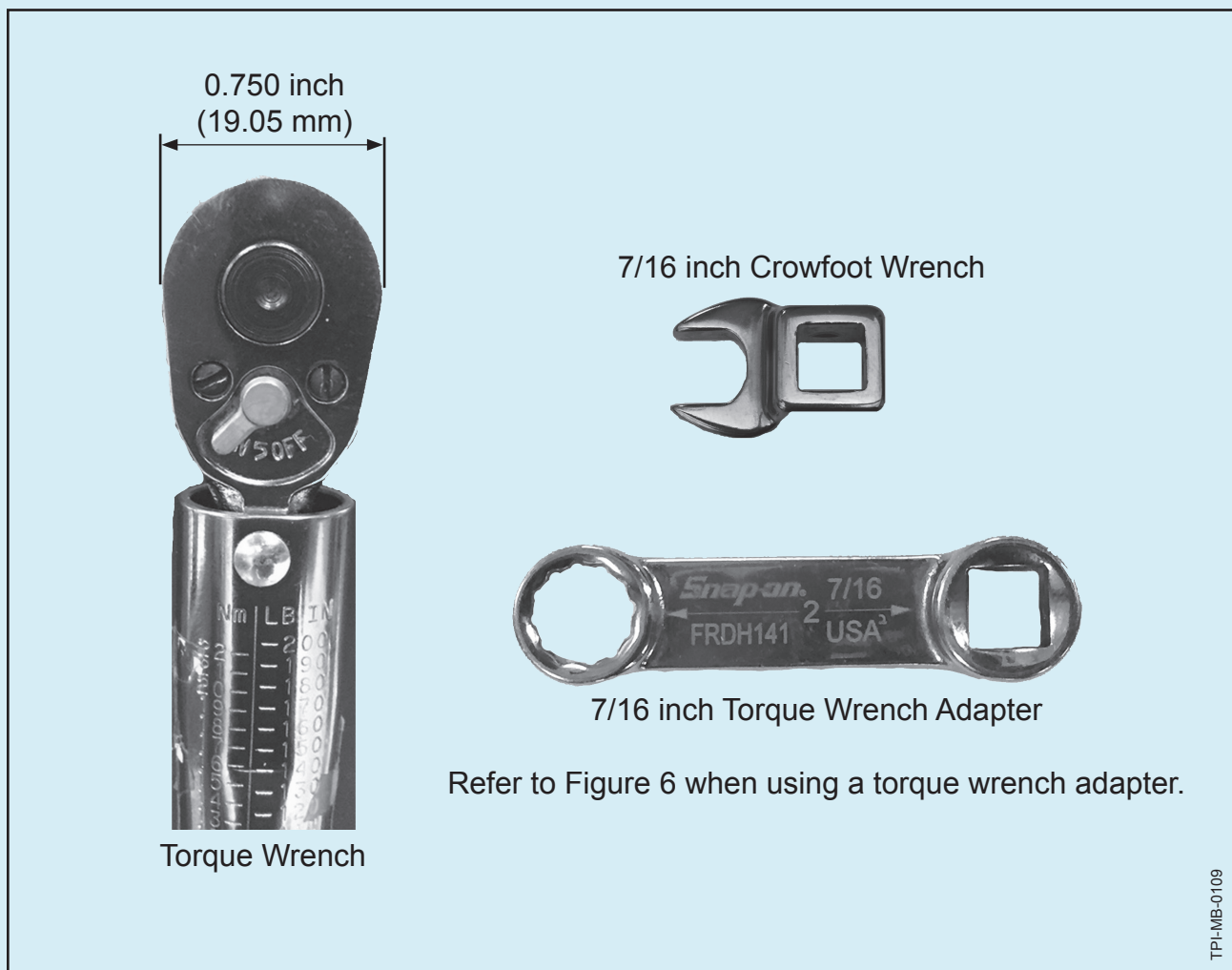
**Installing the 106107 Anti-ice Bracket  
Figure 4**

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### Anti-ice - Travel Tube Bracket Weldment Replacement

- (f) Torque the two B-3384-4 hex bolts to 96 - 120 In-Lbs (10.9 - 13.5 N•m).
  - 1 If necessary, use a 7/16" torque wrench adapter (Snap-On Tool part number FRDH141 or equivalent), or a torque wrench with a head that is approximately 0.750 inch (19.05 mm) wide or smaller to torque the B-3384-4 hex bolt that is under the blade. Refer to Figure 5.
    - a When an adapter is used with the torque wrench, use the equation in Figure 6 to determine the torque value.

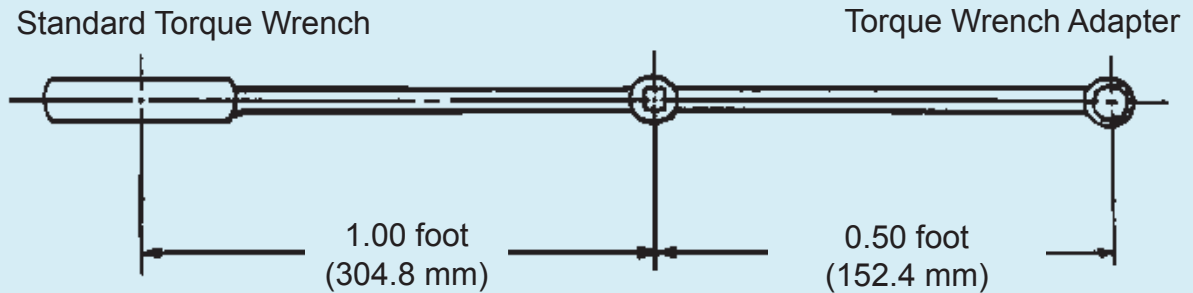


**Torque Wrench/Adapters  
Figure 5**

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### Anti-ice - Travel Tube Bracket Weldment Replacement



$$\frac{(\text{actual torque required}) \times (\text{torque wrench length})}{(\text{torque wrench length}) + (\text{length of adapter})} = \text{torque wrench reading to achieve required actual torque}$$

EXAMPLE:

$$\frac{100 \text{ Ft-Lb (136 N}\cdot\text{m)} \times 1 \text{ ft (304.8 mm)}}{1 \text{ ft (304.8 mm)} + 0.50 \text{ ft (152.4 mm)}} = 66.7 \text{ Ft-Lb (9.1 N}\cdot\text{m)} < \text{reading on torque wrench with 6-inch (152.4 mm) adapter for actual torque of 100 Ft-Lb (136 N}\cdot\text{m)}$$

The correction shown is for an adapter that is aligned with the centerline of the torque wrench. If the adapter is angled 90 degrees relative to the torque wrench centerline, the torque wrench reading and actual torque applied will be equal.

AFS212

Determining Torque Value of a Standard Torque Wrench With Adapter

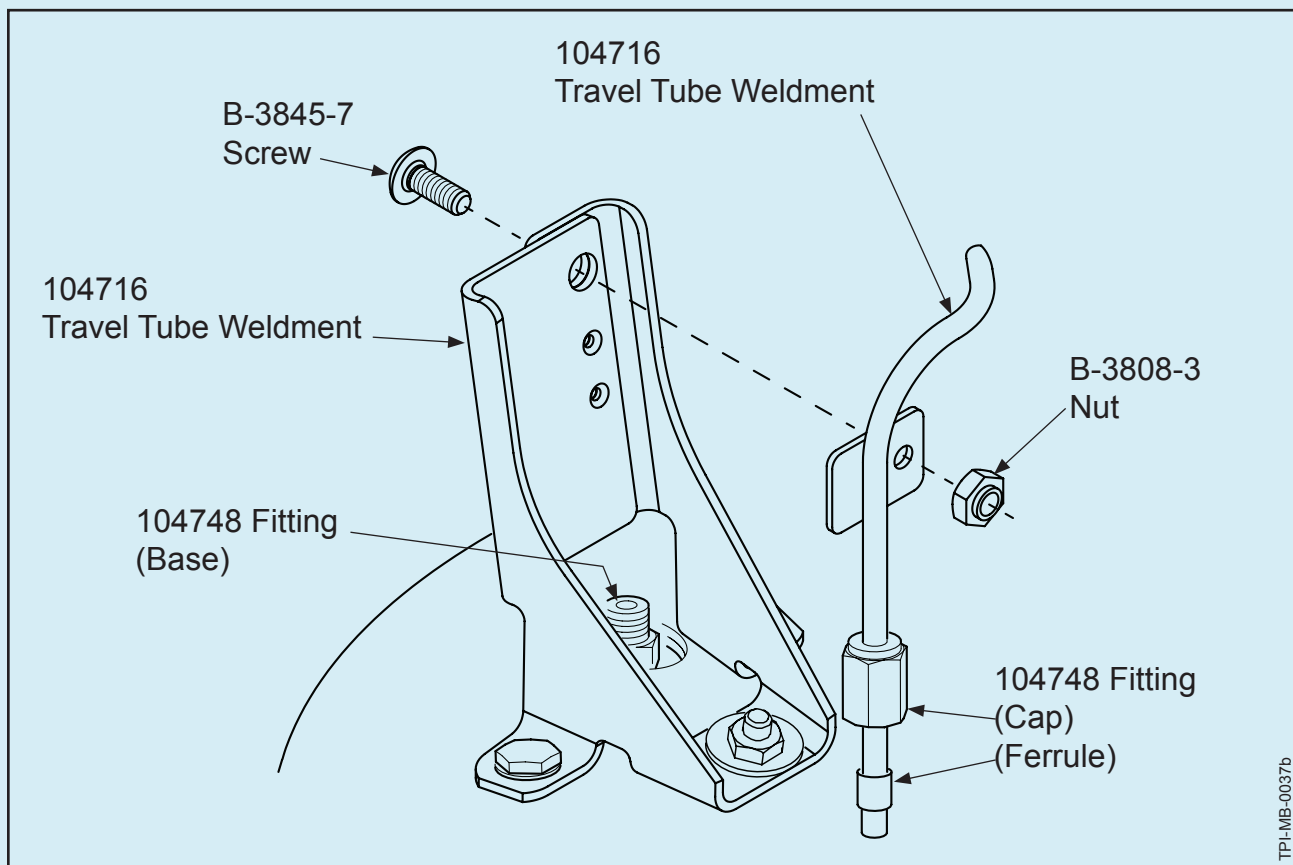
Figure 6

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### Anti-ice - Travel Tube Bracket Weldment Replacement

- (8) Lubricate the components of the 104748 fitting.
  - (a) Apply grease CM12 or equivalent to the ferrule, the threads of the base, and the cone inside the cap of the 104748 fitting. Refer to Figure 7.
- (9) Install the 104716 travel tube weldment in the base of the 104748 fitting until it is firmly seated. Refer to Figure 7.
- (10) Hand tighten the cap of the 104748 fitting onto the base of the 104748 fitting.
- (11) Using one B-3845-7 screw and one B-3808-3 nut, attach the 104716 travel tube weldment to the 106107 anti-ice bracket as shown in Figure 7.
- (12) Make an alignment mark on the cap and base of the 104748 fitting.
- (13) Holding the base of the 104748 fitting to prevent rotation, use a wrench to tighten the cap of the 104748 fitting an additional 1/3 to 1/2 turn from the alignment mark.



**Installing the 104716 Travel Tube Weldment**  
**Figure 7**



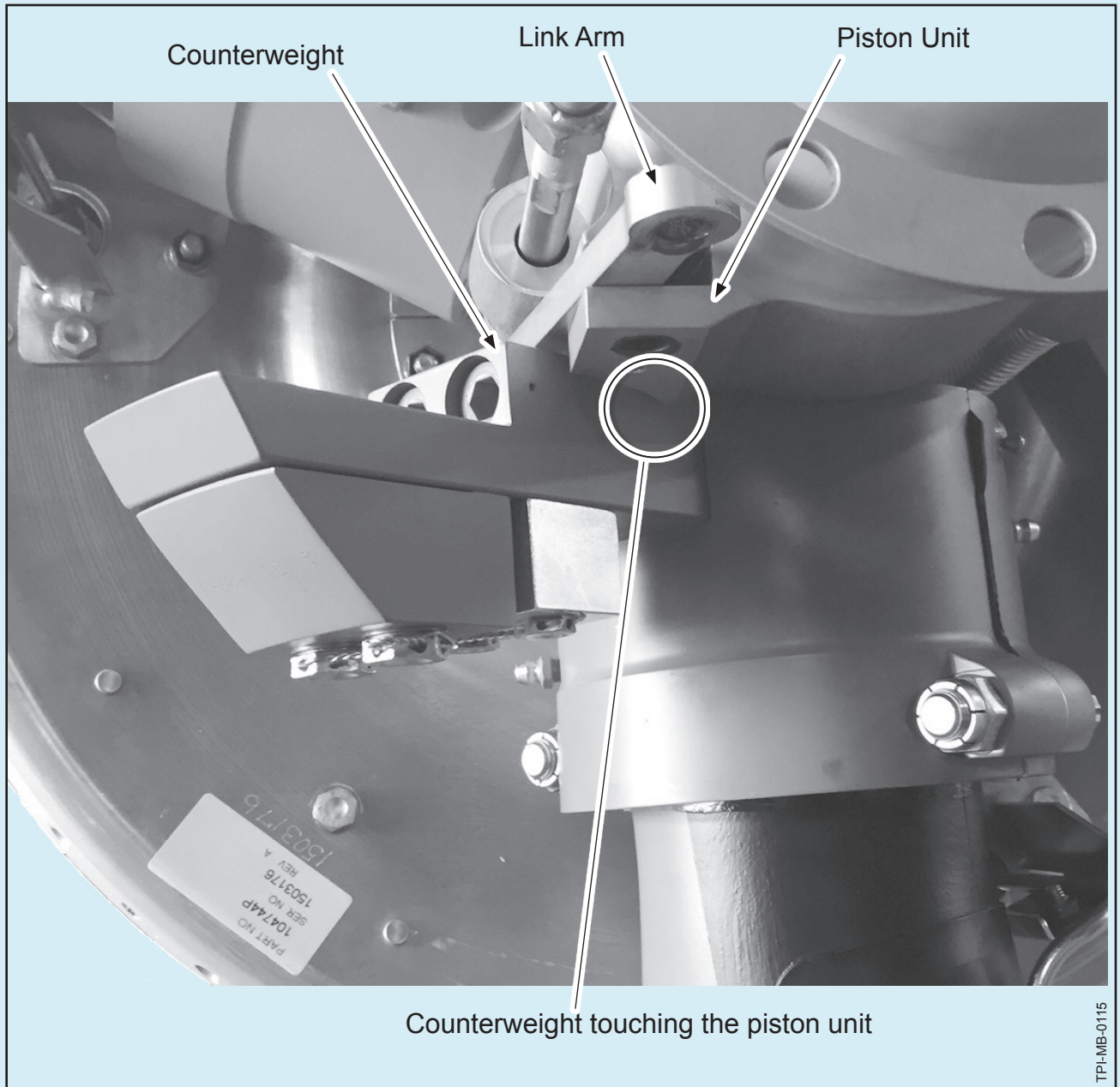
# ALERT SERVICE BULLETIN

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## Anti-ice - Travel Tube Bracket Weldment Replacement

(14) Position the blade for travel tube alignment.

- (a) Manually rotate the blade until the counterweight touches the piston unit as shown in Figure 8.

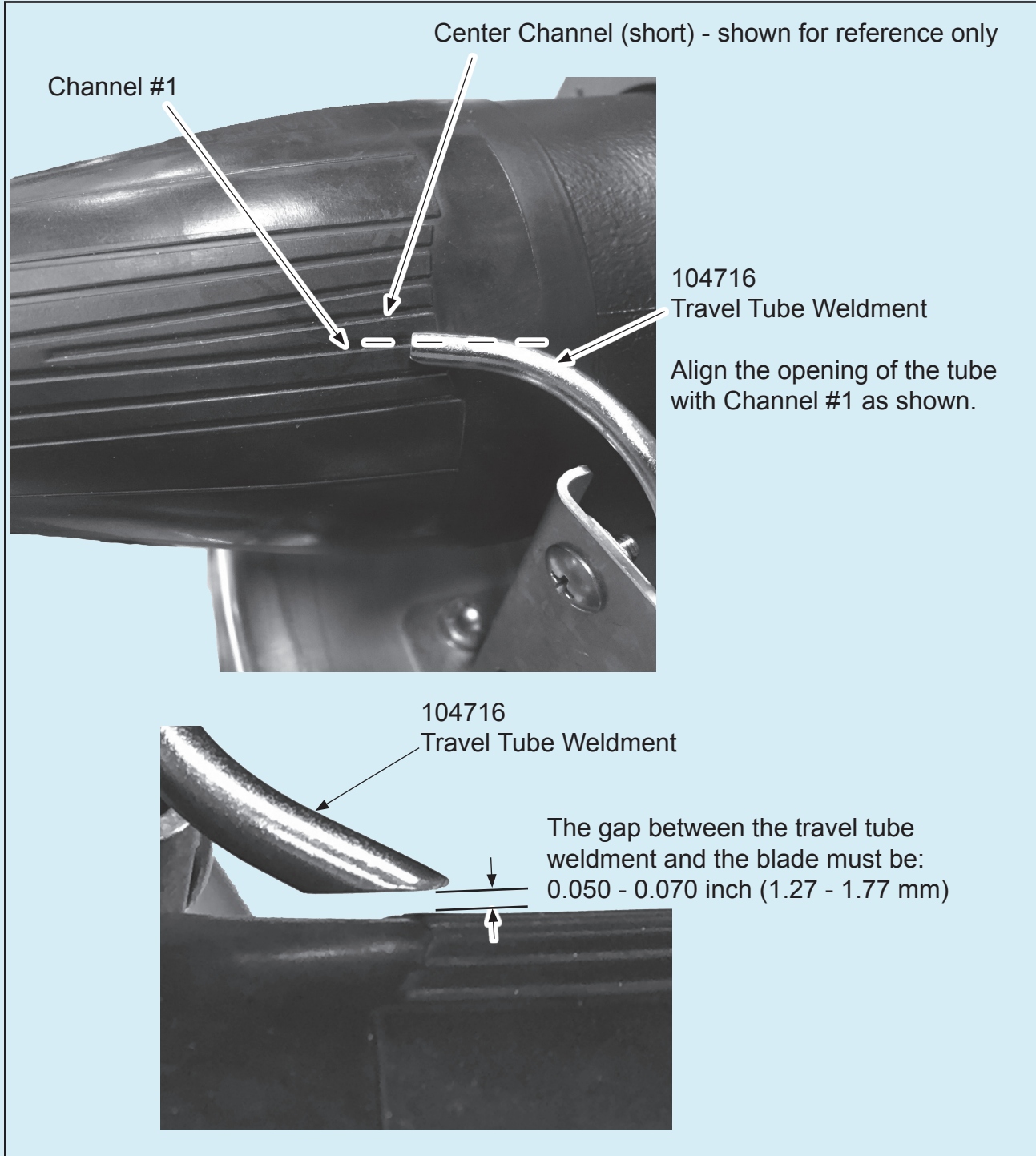


**Positioning the Blade for Travel Tube Alignment  
Figure 8**

# ALERT SERVICE BULLETIN

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## Anti-ice - Travel Tube Bracket Weldment Replacement



**Aligning the 104716 Travel Tube Weldment**  
**Figure 9**

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### Anti-ice - Travel Tube Bracket Weldment Replacement

- (15) Align the 104716 travel tube weldment with the anti-icing boot.
- (a) With the counterweight touching the piston unit, align the opening of the 104716 travel tube weldment with Channel #1 of the anti-icing boot as shown in Figure 9.
  - (b) Adjust the 104716 travel tube weldment until the gap between the opening of the travel tube and the blade is 0.050 - 0.070 inch (1.27 - 1.77 mm). Refer to Figure 9.

**CAUTION:** THE 104716 TRAVEL TUBE WELDMENT MAY ROTATE WHEN THE B-3808-3 NUT IS TORQUED. CHECK THE ALIGNMENT OF THE TRAVEL TUBE AFTER TORQUING THE NUT.

- (16) Torque the B-3808-3 nut to 20 - 25 In-Lbs (2.26 - 2.82 N•m). Refer to Figure 7.
- (17) Repeat steps 3.B.(5) through 3.B.(16) for the remaining 104714 bracket weldments.
- (18) Connect the three link arms to the piston unit. Refer to Figure 3.
- (a) Manually rotate the blade as necessary to align the link arm with the link pin unit hole in the piston unit.
  - (b) Install the A-1464 link pin unit, then install the B-3840-6 screw.
  - (c) Safety the B-3840-6 screw to the A-1464 link pin unit with 0.032 inch (0.81 mm) stainless steel safety wire.
  - (d) Repeat steps 3.B.(18)(a) through 3.B.(18)(c) for each link arm.
- (19) Install the right nose cap in accordance with the airframe manufacturer's maintenance manual (AMM).
- (20) Install the spinner dome in accordance with Hartzell Propeller Inc. Owner's Manual 139 (61-00-39).
- (21) Dynamic balance is optional, but may be accomplished at the discretion of the operator.
- (a) Perform dynamic balance in accordance with Hartzell Propeller Inc. Standard Practices Manual 202A (61-01-02) or the Airframe Manufacturer's Maintenance Manual (AMM).
- (22) Make an entry in the propeller logbook indicating compliance with the bracket replacement as terminating action for this Alert Service Bulletin.
- (a) Complete the Inspection Report/Compliance Form in the Appendix section of this Alert Service Bulletin.

**HARTZELL PROPELLER INC.**

# **ALERT SERVICE BULLETIN**

## **HC-ASB-30-358**

### **Anti-ice - Travel Tube Bracket Weldment Replacement**

**C. Recommended Service Facilities**

- (1) Hartzell Propeller Inc. has a worldwide network of Recommended Service Facilities for overhaul and repair of our products.
- (2) Each service facility must meet standard FAA requirements and additional Hartzell Propeller requirements before being recommended by Hartzell Propeller Inc. Each service facility is audited by Hartzell Propeller Inc. to verify the continuation of the standards.
- (3) Hartzell Propeller Inc. recommends that you use one of these service facilities when having your propeller overhauled or repaired.
- (4) For a current list of Hartzell Propeller Inc. Recommended Service Facilities, contact Hartzell Propeller Inc. Product Support or refer to the Hartzell Propeller Inc. website at [www.hartzellprop.com](http://www.hartzellprop.com).

**D. Contact Information**

Hartzell Propeller Inc.  
Attn.: Hartzell Propeller Inc. Product Support  
One Propeller Place  
Piqua, Ohio 45356-2634 USA  
Phone: (001) 937.778.4379  
Fax: (001) 937.778.4215  
E-mail: [techsupport@hartzellprop.com](mailto:techsupport@hartzellprop.com)

**HARTZELL PROPELLER INC.**  
**ALERT SERVICE BULLETIN APPENDIX**  
**HC-ASBA-30-358**  
**Anti-ice - Travel Tube Bracket Weldment Replacement**

1. Eligibility

- A. Hartzell Propeller Inc. steel hub turbine propeller model HC-B3TN-3AF/T10890CNB-2 with serial numbers listed in Table 1 of this Alert Service Bulletin are eligible for this warranty program.
  - (a) Affected propellers may be installed on, but not limited to Cessna 208B Caravan aircraft.

2. Warranty Expiration

- A. This warranty program expires on November 31, 2016.

3. Recommended Service Facilities

- A. Hartzell Propeller Inc. has a worldwide network of Recommended Service Facilities for overhaul and repair of our products.
- B. Each service facility must meet standard FAA requirements and additional Hartzell Propeller Inc. requirements before being recommended by Hartzell Propeller Inc. Each service facility is audited by Hartzell Propeller Inc. to verify the continuation of the standards.
- C. Hartzell Propeller Inc. recommends that you use one of these service facilities when having your propeller overhauled or repaired.
- D. For a current list of Recommended Service Facilities, refer to the Hartzell Propeller Inc. website at [www.hartzellprop.com](http://www.hartzellprop.com), or contact Hartzell Propeller Inc. Product Support Department.

HARTZELL PROPELLER INC.

# ALERT SERVICE BULLETIN APPENDIX

## HC-ASBA-30-358

### Anti-ice - Travel Tube Bracket Weldment Replacement

#### 4. Warranty Program

##### A. Bracket Weldment Inspections

(1) Hartzell Propeller Inc. will warrant the labor charges associated with the bracket weldment inspection performed on an affected propeller when done in accordance with the Accomplishment Instructions section of this Alert Service Bulletin.

(a) Refer to the Manpower section of this Alert Service Bulletin for warranted procedures and allowable man-hours.

1 Hartzell Propeller Inc. will authorize payment for warranty labor charges up to, but not to exceed \$112.00 USD per hour.

(b) Complete and sign the Inspection Report/Compliance Form in this Alert Service Bulletin Appendix.

NOTE: This will be considered your labor invoice upon approval.

1 Send the completed/signed form to the Product Support Department at Hartzell Propeller Inc. for processing.

(2) Hartzell Propeller Inc. will review the completed form and assign a warranty claim number to approved applicants, authorizing payment of the allowable labor charge.

(a) This warranty claim number is assigned to the propeller serial number and must be referenced on each warranty-related form submitted for that propeller.



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**ALERT SERVICE BULLETIN APPENDIX**  
**HC-ASBA-30-358**  
**Anti-ice - Travel Tube Bracket Weldment Replacement**

**B. Bracket Replacement (Terminating Action)**

- (1) Hartzell Propeller Inc. will warrant the labor charges associated with the replacement of the brackets when performed in accordance with the Accomplishment Instructions in this Alert Service Bulletin.
  - (a) Refer to the Manpower section of this Alert Service Bulletin for warranted procedures and allowable man-hours.
    - 1 Hartzell Propeller Inc. will authorize payment for warranty labor charges up to, but not to exceed \$112.00 USD per hour.
  - (b) Complete and sign the Inspection Report/Compliance Form in this Alert Service Bulletin Appendix.
    - 1 Send the completed/signed form, the invoice for the warranted labor charges, and a copy of the logbook entry showing compliance with the bracket replacement and dynamic balance (if applicable) to the Product Support Department at Hartzell Propeller Inc. for processing.
    - 2 Hartzell Propeller Inc. will authorize payment for the allowable labor charges upon receipt of the invoice and the completed Inspection Report/Compliance Form.
- (2) Hartzell Propeller Inc. will provide the replacement parts associated with the bracket replacement free of charge.
  - (a) Refer to the Material Information section of this Alert Service Bulletin for a list of approved replacement parts.

**C. Contact Information**

Hartzell Propeller Inc.  
Attn: Alert Service Bulletin 358 Coordinator  
One Propeller Place  
Piqua, OH 45356-2634 USA  
Phone: (001) 937.778.4379  
Fax: (001) 937.778.4215  
E-mail: techsupport@hartzellprop.com

HARTZELL PROPELLER INC.

# ALERT SERVICE BULLETIN APPENDIX

## HC-ASBA-30-358

### Anti-ice - Travel Tube Bracket Weldment Replacement

<b>Inspection Report/Compliance Form</b>	
<b>Warranty Claim Number:</b>	
<b>Owner Information:</b>	
Name:	Phone:
Address:	Fax:
	E-mail:
City:	Zip/Postal Code:
State:	Country:
<b>Repair Station:</b>	
Company:	Phone:
Contact Name:	Fax:
Address:	Email:
City:	Zip/Postal Code:
State:	Country:
Signature:	
<b>Propeller Information: (TSN = time since new    TSO = time since overhaul)</b>	
Propeller Model:	Propeller S/N:
Propeller TSN:	Propeller TSO:
<b>Inspection/Compliance Information:</b>	
Bracket Weldment Inspection: <input type="checkbox"/> PASS <input type="checkbox"/> FAIL	Date:
Bracket Replacement Complete: <input type="checkbox"/> YES <input type="checkbox"/> NO	Date:
Dynamic Balance Performed: <input type="checkbox"/> YES <input type="checkbox"/> NO	Date:
<p>Send this completed and signed form to Hartzell Propeller Inc. Product Support Department:                      Fax: (001) 937.778.4215 or E-mail: techsupport@hartzellprop.com</p> <p>DO NOT WRITE BELOW THIS LINE - FOR HARTZELL PROPELLER INC. USE ONLY</p>	
Warranty Claim Number:	Authorized By:

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