

HARTZELL PROPELLER INC.
SERVICE LETTER
HC-SL-61-358
Propeller - Beta System Puller TE100

1. Planning Information

A. Effectivity

- (1) All Hartzell Propeller Inc. lightweight turbine propeller models HC-D4N-3(Q,T) and HC-E4N-3PY with cylinder mounted start lock housings are affected by this Service Letter.

WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS SERVICE LETTER. INFORMATION CONTAINED IN THIS SERVICE LETTER MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. FAILURE TO COMPLY WITH THIS SERVICE LETTER 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 LETTER INDEX FOR THE MOST RECENT REVISION LEVEL OF THIS SERVICE LETTER.

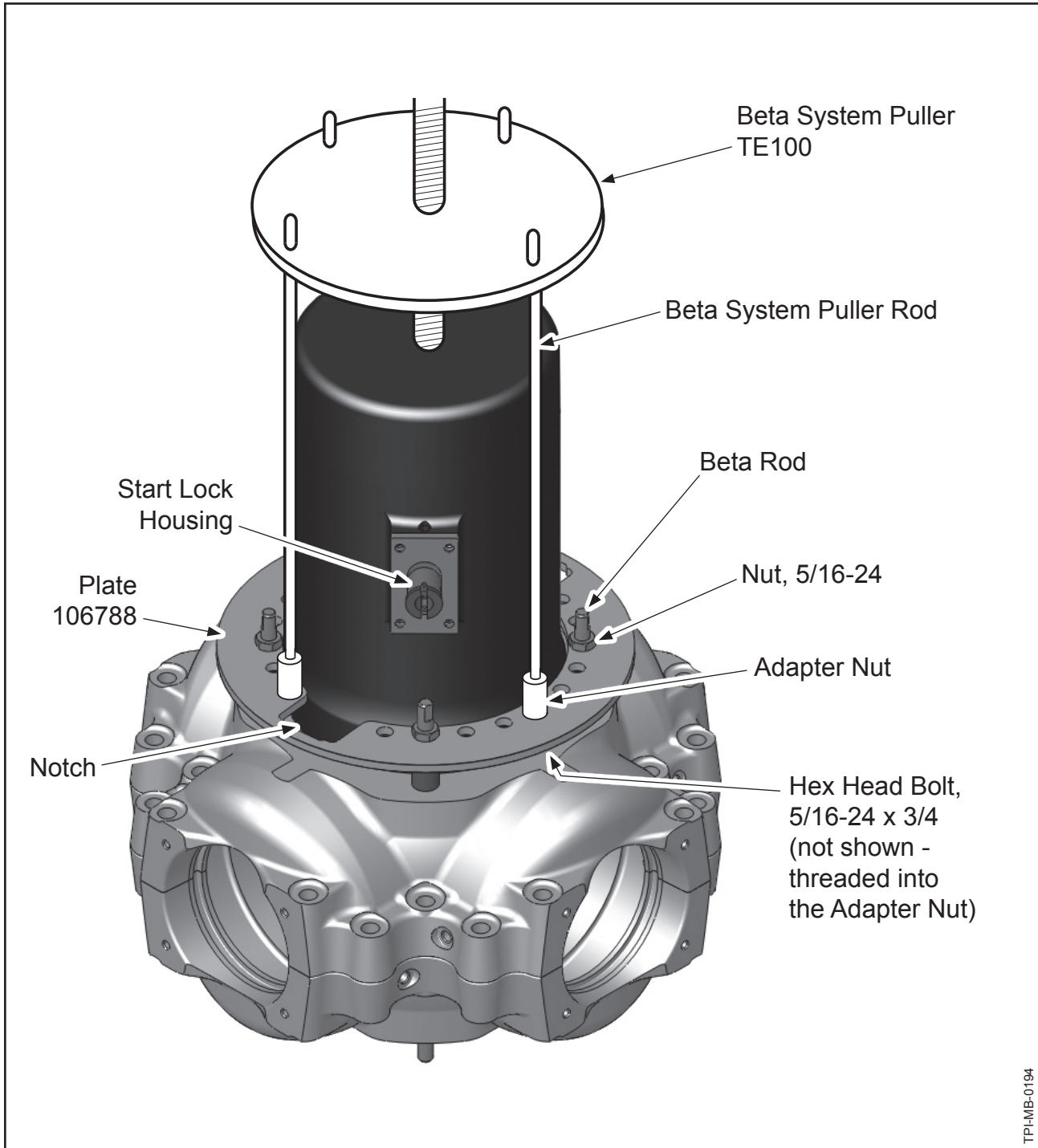
B. Concurrent Requirements

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

C. Reason

- (1) Depending on the rotational position of the cylinder on the hub, the cylinder-mounted start lock housings on the affected propellers may interfere with the beta system puller TE100 that is used to compress the beta system during propeller removal/installation.
 - (a) Hartzell Propeller Inc. has designed an adapter plate 106788 with two notches to fit over the cylinder-mounted start lock housings and mounting holes to align with the rods of the beta system puller TE100. Refer to Figure 1.
 - 1 The plate 106788 and the required mounting components are included in the plate kit TE615. Refer to the Material Information section in this Service Letter for a complete list of components included with the kit.

HARTZELL PROPELLER INC.
SERVICE LETTER
HC-SL-61-358
Propeller - Beta System Puller TE100



TPI-MB-0194

Using the Plate Kit 106804
Figure 1

HARTZELL PROPELLER INC.
SERVICE LETTER
HC-SL-61-358
Propeller - Beta System Puller TE100

D. Description

- (1) This Service Letter provides Additional Maintenance Information (AMI).
- (2) This Service Letter introduces the plate kit TE615 that can be used with the beta system puller TE100 when there is interference with the cylinder-mounted start locks.
- (3) This Service Letter provides instructions for using the plate kit TE615 with the beta system puller TE100.
- (4) All beta system puller tools TE100 purchased from Hartzell Propeller Inc. after the release of this Service Letter will include the plate kit TE615.

E. Approval

- (1) This technical document is approved by Hartzell Propeller Inc.

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

F. References

- (1) Hartzell Propeller Inc. Illustrated Tool and Equipment Manual 165A (61-00-65)
- Available on the Hartzell Propeller Inc. website at www.hartzellprop.com
- (2) Hartzell Propeller Inc. Propeller Owner's Manual 147 (61-00-47)
- Available on the Hartzell Propeller Inc. website at www.hartzellprop.com
- (3) Hartzell Propeller Inc. Propeller Owner's Manual 149 (61-00-49)
- Available on the Hartzell Propeller Inc. website at www.hartzellprop.com

G. Other Publications Affected

- (1) Hartzell Propeller Inc. Propeller Owner's Manual 147 (61-00-47)
- Available on the Hartzell Propeller Inc. website at www.hartzellprop.com
- (2) Hartzell Propeller Inc. Propeller Owner's Manual 149 (61-00-49)
- Available on the Hartzell Propeller Inc. website at www.hartzellprop.com

HARTZELL PROPELLER INC.
SERVICE LETTER
HC-SL-61-358
Propeller - Beta System Puller TE100

2. Material Information

A. Plate Kit TE615 (includes the following components):

<u>Part Number</u>	<u>Description</u>	<u>Qty</u>
106788	Plate	1
n/a	Bolt, 5/16-24 x 3/4, Hex Head	4
n/a	Nut, 5/16-24	4

3. Accomplishment Instructions

A. Using the Plate Kit TE615 with the Beta System Puller TE100:

- (1) Align the notches in the plate 106788 with the start lock housings and put the plate onto the cylinder as shown in Figure 1.
 - (a) Rotate the plate 106788 to fit over the four beta rods.
 - (b) Install one 5/16-24 nut on each beta rod as shown in Figure 1.
- (2) Align the beta system puller rods/adaptor nuts with holes in the plate 106788.
- (3) Install one 5/16-24 x 3/4 hex head bolt into each adaptor nut from under the plate 106788. Refer to Figure 1.
- (4) Compress the beta system using the beta system puller TE100 and complete the removal/installation of the propeller in accordance with the applicable Hartzell Propeller Inc. Propeller Owner's Manual.

B. 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