



INFORMATION LETTER

206L-14-97
24 February 2014

TO: All owners and operators of Model 206L Series helicopters

**SUBJECT: TACTAIR HYDRAULIC SERVO ACTUATOR (HSA) CYLINDER
EXTENSION ASSEMBLY P/N C42642-88 PRODUCT IMPROVEMENT**

The purpose of this Information Letter is to achieve complete distribution of the attached Tactair service bulletin to the current affected model distribution list on record by Bell Helicopter. This bulletin introduces a new and improved Cylinder Extension Assembly.

Tactair manual users/customers shall periodically contact Tactair to make sure that the latest instruction revision is being utilized. Tactair advised owners/operators to procure only the Current Design Authority (CDA) part for accomplishment of their service bulletin.

As required, BHT Customer Property Return (CPR) has the capability to process the subject servos for overhaul or repair requirement.

CONTACT INFO:

For any questions regarding this letter, please contact:

TACTAIR FLUID CONTROLS INC.
Attn: Customer Support Spares
4806 West Taft Road
Liverpool, NY 13088, USA
Phone: (315) 451-3928
Fax: (315) 457-5595.
Email: customer_support@tactair.com
Internet: www.tactair.com

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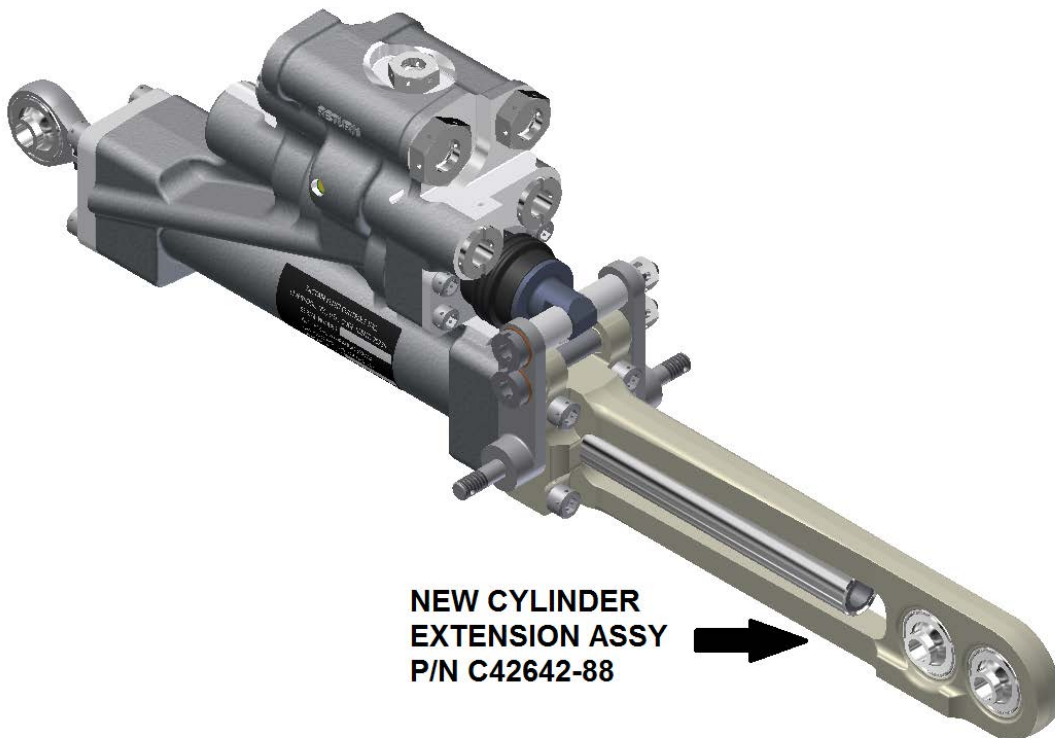
**ROTORS FLIGHT CONTROL - TACTAIR HYDRAULIC SERVO ACTUATOR (HSA)
CYLINDER EXTENSION ASSEMBLY P/N C42642-88
PRODUCT IMPROVEMENT**

1. PLANNING INFORMATION

A. EFFECTIVITY

This Service Bulletin applies to the following Tactair (Kaiser/Ronson) Hydraulic Servo Actuator (HSA) installed on Bell® Helicopter Textron Inc., Model 206L, 206L1, 206L3 and 206L4 Series Aircrafts:

| TACTAIR P/N | BELL® HELICOPTER TEXTRON INC. (BHTI) P/N | SERIAL NUMBER |
|--------------|--|---------------|
| 42C42642-1 | 206-076-062-003 | ALL |
| 42C42642-101 | 206-076-062-101 | ALL |



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US Dept of Commerce Export Classification: 9A991(d); Commercial Part

B. CONCURRENT REQUIREMENTS

Not applicable.

C. REASON

The purpose for this Service Bulletin is to document the maintenance procedures required to replace the current Cylinder Extension Assembly P/N C42642-69 during the HSA Repair or Overhaul with the new Cylinder Extension Assembly P/N C42642-88 to improve the HSA P/N 42C42642-1 and 42C42642-101 configurations. The improvements of this new Cylinder Extension Assembly P/N C42642-88 are designed to prevent bending of the old Cylinder Extension Assembly P/N C42642-69, which can occur during helicopter hard landings and to increase service life of the HSA.

D. DESCRIPTION

This Service Bulletin provides instructions to remove and replace Cylinder Extension Assembly P/N C42642-69 with the new improved Cylinder Extension Assembly P/N C42642-88.

E. COMPLIANCE

Optional - Bell® 206L, 206L1, 206L3 and 206L4 Series Aircraft Owners/Operators Economic Decision.

F. APPROVAL

The technical content of this Service Bulletin is approved by Bell® Helicopter Textron, Inc., and is approved for installation on the Bell® Model 206L, 206L1, 206L3 and 206L4 Series Aircrafts.

G. HUMAN POWER

Labor reimbursement by Tactair does not apply.

H. WEIGHT AND BALANCE

Not applicable.

I. ELECTRICAL LOAD DATA

Not applicable.

J. SOFTWARE ACCOMPLISH SUMMARY

Not applicable.

K. REFERENCES

(1) The data used to prepare and use this Service Bulletin are listed below:

- (a) Tactair Overhaul Manual P/N 42C42642-1 (Up to Serial Number 1836A), ATA OM42642, Revision C, dated 9/17/11.
- (b) Tactair Overhaul Manual P/N 42C42642-1 (Serial Number 1836A and Up), ATA OM42642C, Revision B, dated 9/17/11
- (c) Tactair Overhaul Manual P/N 42C42642-101, ATA OM42642-101, Revision E, dated 9/17/11

L. OTHER PUBLICATIONS AFFECTED

Not applicable.

M. INTERCHANGEABILITY OF PARTS

One-Way Interchangeable, Optional Part.

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2. MATERIAL INFORMATION**A. MATERIAL – PRICE AND AVAILABILITY**

- (1) No field kit is available for this Service Bulletin.
- (2) The spare part necessary to accomplish this Service Bulletin is listed in the following table:

| OLD PART NUMBER | DESCRIPTION | NEW PART NUMBER | QTY SUP | QTY USED | *CODE |
|-----------------|-----------------------------|-----------------|---------|----------|---------|
| C42642-69 | CYLINDER EXTENSION ASSEMBLY | C42642-88 | 1 | 1 | 1, 2, 3 |

- *DISPOSITION CODES:** 1 = Effectivity - All P/N 42C42642-1 (206-076-062-003) and P/N 42C42642-101 (206-076-062-101) Serial Numbers.
- 2 = Optional Parts are One-Way Interchangeable.
- 3 = Contact Tactair Directly.

B. INDUSTRY SUPPORT INFORMATION

For information about new part listed above, contact:

- Tactair Fluid Controls Inc.
Attn: Customer Support Spares
4806 West Taft Road
Liverpool, NY 13088, USA
Phone (315) 451-3928
FAX (315) 457-5595
EMAIL customer_support@tactair.com
Internet www.tactair.com

C. RE-IDENTIFIED PARTS

Not applicable.

D. TOOLING - PRICE AND AVAILABILITY

Not applicable.

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3. ACCOMPLISHMENT INSTRUCTIONS FOR NEW CYLINDER EXTENSION ASSEMBLY P/N C42642-88.

WARNING: TACTAIR FLUID CONTROLS INC., ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY TACTAIR HSA THAT IS NOT MAINTAINED AND/OR REPAIRED IN ACCORDANCE WITH TACTAIR PUBLISHED INSTRUCTIONS. INCORRECTLY REPAIRED COMPONENTS CAN AFFECT AIRWORTHINESS OR DECREASE THE LIFE OF THE HSA RETURNED TO SERVICE.

- A. Disassemble HSA in accordance with Overhaul Manual referenced in paragraph 1.K as required to gain access to Cylinder Extension Assembly P/N C42642-69.
- B. Clean HSA in accordance with Overhaul Manual referenced in paragraph 1.K except Cylinder Extension Assembly P/N C42642-69.
- C. Check HSA in accordance with Overhaul Manual referenced in paragraph 1.K except Cylinder Extension Assembly P/N C42642-69.
- D. Repair HSA in accordance with Overhaul Manual referenced in paragraph 1.K except Cylinder Extension Assembly P/N C42642-69.
- E. Assemble HSA in accordance with Overhaul Manual referenced in paragraph 1.K except install new Cylinder Extension Assembly P/N C42642-88, as shown in figure 1, in place of old Cylinder Extension Assembly P/N C42642-69.
- F. Test HSA in accordance with Overhaul Manual referenced in paragraph 1.K except with new Cylinder Extension Assembly P/N C42642-88 installed.
- G. Ink stamp SB42C42642-67-04 on the Cylinder Housing adjacent to the existing nameplate. Protect the newly marked ink stamp with AKZO NOBEL Top Coat (683-3-2) and Catalyst (X-310A), or equivalent; or two coats of Clear Epoxy (MIL-PRF-22750). Cure in accordance with manufacturer's instructions.
- H. Close Job and return HSA with new Cylinder Extension Assembly P/N C42642-88 installed to service.



New Cylinder Extension Assembly P/N C42642-88

Figure 1

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