



P.O. Box 8233  
Waco TX. 76714-8233  
Phone: (254) 776-0650  
E-Mail: marathon@mptc.co

8301 Imperial Drive  
Waco, TX. 76712-6588  
Fax: (254) 776-6558

## SERVICE BULLETIN

### NO. A361-71-2

Conversion Procedure To Convert Norco Inc. Strut Assembly A361-5 To A361-9

#### 1. PLANNING INFORMATION

##### A. Effectivity

###### (1) Component Affected

This Service Bulletin affects the following hold open rods that are in service.

<u>Norco P/N</u>	<u>Serial Numbers</u>
A361-5	All

###### (2) Spares Affected

This Service Bulletin affects those units listed above that are in airline Spares stores, if applicable.

##### B. Reason

The incorporation of this Service Bulletin will provide a procedure to convert an A361-5 strut assembly into an A361-9 strut assembly.

##### C. Description

This Service Bulletin is to inform all users of the procedures and detailed instructions required for reworking Norco part number A361-5. The reworking requires reorientation of the universal assembly on the A361-5 to the orientation required on A361-9.

##### D. Approval

The repair and modifications herein comply with the applicable Federal Aviation Regulations (FARs) and are approved by Short Bros.

## A361-71-2

Nov 20/02

REVISION 1  
NOV 15/06



## SERVICE BULLETIN

### E. Manpower

Remove Rod Assembly from Aircraft	.2 Hrs.
Reorient universal	.3 Hrs.
Replace Rod Assembly in Aircraft	.2 Hrs.
TOTAL	.7 Hrs.

### F. Material Cost and Availability

The parts identified in Section 3A may be obtained from Norco, Inc. as follows:

<u>Part No.</u>	<u>Description</u>	<u>Availability</u>	<u>Price</u>
RW361-5	Rework kit	10 Days /Stock	\$100.00

DIRECT PURCHASE ORDER TO: Goodrich Aerostructures Group  
Att: Aftermarket Services  
850 Lagoon Drive  
Chula Vista, CA91910-2098  
Phone: 619-691-2089 Fax: 619-691-3916  
Sita: S D M R H C R  
Website: <https://parts.asg.goodrich.com>

### G. Tooling - Cost and Availability

Not applicable.

### H. Weight and Balance

The incorporation of this Service Bulletin will have no affect on weight and balance.

### I. Other Publications Affected

None.



## SERVICE BULLETIN

### 2. ACCOMPLISHMENT INSTRUCTIONS

#### A. Disassembly (See Figure 1)

- (1) Cut safety wire MS20995C32 and discard.
- (2) Using a .500 open-end wrench, loosen jam nut AN316-5 approximately 4 turns by rotating counterclockwise.
- (3) Slide retaining device 108C0312-01 back with jam nut AN316-5.
- (4) Slide washer rod end 120C0000-5 back out of slot in strut end fitting.
- (5) Remove universal from strut assembly by rotating counterclockwise.
- (6) Discard washer rod end 120C0000-5 and retaining device 108C0312-01.

#### B. Assembly (See Figure 1)

To reorient universal from A361-5 configuration to A361-9 configuration follow the following steps:

- (1) Washer rod end 120C0000-5 is to be replaced with NAS1193K5CP locking device.
- (2) Replace jam nut AN316-5 and new retaining device 108C0312-01 on threaded shaft of universal.
- (3) Install bottom part of NAS1193K5CP so that internal key engages key slot in universal shaft with the serrations facing the end of the threaded shaft.
- (4) Position top part of NAS1193K5CP so that serrations are engaged with serrations on bottom part.
- (5) Engage threaded shaft of universal in threaded bore of strut end fitting.

**REVISION 1**  
**NOV 15/06**

**A361-71-2**  
**Nov 20/02**



## SERVICE BULLETIN

- (6) Thread universal into strut end fitting by rotating clockwise.
- (7) Continue rotating until extended and locked length of  $43.00 \pm .06$  is obtained.
- (8) Adjust position of universal joint as shown on figure 1.
- (9) Engage key on top part of NAS1193K5CP with slot in strut end fitting
- (10) Engage serrations of bottom part with top part.
- (11) Rotate jam nut AN316-5 and retaining device 108C0312-01 together clockwise until contact with NAS1193K5CP is made.
- (12) Torque jam nut AN316C5 to 30/50 lb.-in.
- (13) Install new safety wire MS20995C32 in accordance with MS33540.

### C. Re-identification

After converting A361-5 to A316-9, part number on identification label shall be changed.

- (1) Using a black indelible marker, blank out the existing -5 identification number.
- (2) Using a black indelible marker, add the new -9 identification number.

### D. Warranty

A trained airline mechanic performing the required rework in accordance with paragraphs A through C accomplishment instructions will not affect Norco Inc. warranty.



## SERVICE BULLETIN

### 3. MATERIAL INFORMATION

#### A. Parts Required Per Hold Open Rod

A rework kit is available, part number RW361-5, which contains the following parts to rework hold open rod A361-5.

P/N Provided	Quantity	Keyword
NAS1193K5CP	1	Locking Device
MS20995C32	6"	Safety wire
108C0312-01	1	Retaining Device

#### B. Parts Required to Modify Spares

(If Applicable) Same parts as items 3A. Above.

# SERVICE BULLETIN

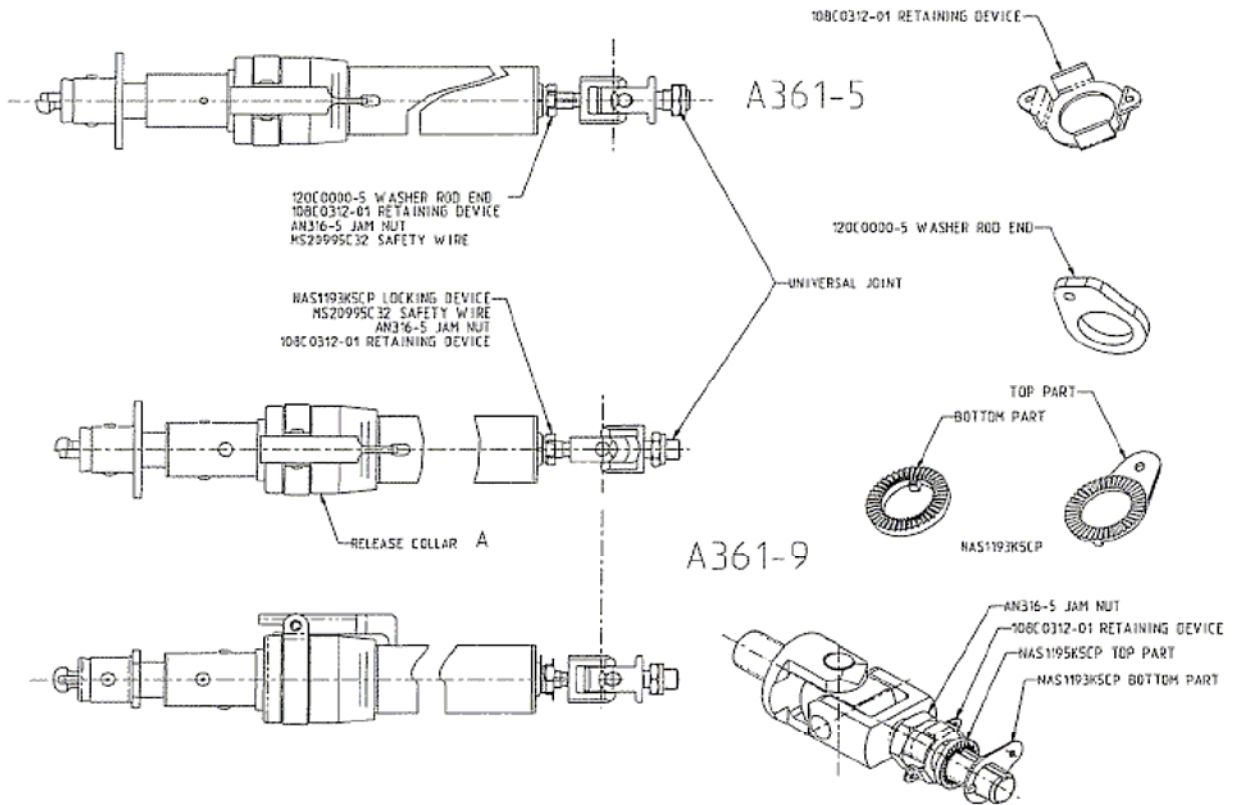


FIGURE 1

REVISION 1  
NOV 15/06

**A361-71-2**

Nov 20/02