



Piper Aircraft, Inc.
2926 Piper Drive
Vero Beach, Florida, U.S.A. 32960

SERVICE No. 1174 BULLETIN

**PIPER CONSIDERS
COMPLIANCE MANDATORY**

Date: February 15, 2007

(M)

SUBJECT:

**LOCK ASSEMBLY- CABIN ENTRANCE DOOR,
FORWARD BAGGAGE DOOR, AFT BAGGAGE
DOOR, and NACELLE LOCKER DOOR**

MODELS AFFECTED:

PA-31 Navajo
PA-31-300 Navajo
PA-31-325 Navajo C/R
PA-31-350 Chieftain & T-1020

PA-31P Navajo

PA-31P-350 Mojave
PA-31T Cheyenne/Cheyenne II
PA-31T1 Cheyenne I/IA

PA-31T2 Cheyenne IIXL

PA-31T3 T-1040
PA-42 Cheyenne III
PA-42-720 Cheyenne IIIA

PA-42-720R Cheyenne III

PA-42-1000 Cheyenne 400LS

SERIAL NUMBERS AFFECTED:

31-2 through 31-900; 31-7300901 through 31-8312019
31-2 through 31-900; 31-7300901 through 31-8312019
31-7400990 through 31-7512001
31-5001 through 31-5004; 31-7305005 through 31-
8553002
31P-1 through 31P-109; 31P-7300110 through 31P-
7730012
31P-8414001 through 31P-8414050
31T-7400002 through 31T-8120104
31T-7804001 through 31T-8104073; 31T-8104101; 31T-
8304001 through 31T-8304003; 31T-1104004 through
31T-1104017
31T-8166001 through 31T-8166076; 31T-1166001
through 31T-1166008
31T-8275001 through 31T-8475001; 31T-5575001
42-7800001 through 42-8001106
42-8301001; 42-8301002; 42-5501003 through 42-
5501060
42-5501024; 42-5501028; 42-5501034 through 42-
5501038
42-5527002 through 42-5527044

COMPLIANCE TIME:

To coincide with next regularly scheduled maintenance event, but not to exceed the next one hundred (100) hours time in service.

APPROVAL:

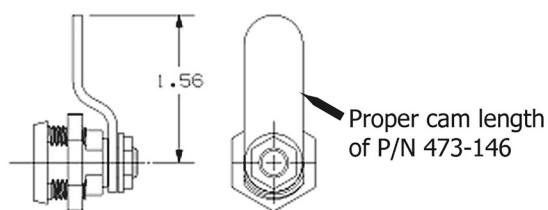
The technical content of this Service Bulletin has been shown to comply with the applicable Federal Aviation Regulations and is FAA approved.

PURPOSE:

It has been discovered that between March 2006 and May 2006 the Piper factory shipped lock assembly P/N 473-146, which may not meet the drawing specifications for cam length. Piper drawing 25163-003 requires the cam to measure 1.56 inches from the center of the lock to the tip of the cam (See Figure 1).

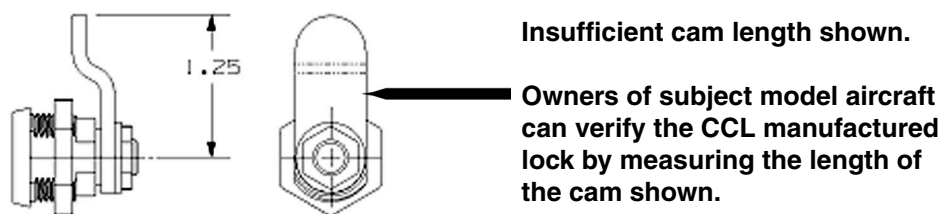
(OVER)

ATA: 5200



**Figure 1
(Correct Length)**

The lock assemblies shipped between March 2006 and May 2006 (manufactured by CCL Security Products under the Piper code number 473-146) have a reduced cam length. The measurements of these cams are 1.25 inches from the center of the lock to the tip of the cam (See Figure 2).



**Figure 2
(Incorrect Length)**

Depending on the model of your aircraft, these locks may be found on the cabin entrance door, forward baggage door, aft nose baggage door or nacelle locker door.

By design, the lock cam captures the door striker plate to prevent opening the door for purposes of owner security. The proper cam engagement also acts as a secondary means of latching the door in the closed position on all baggage doors and nacelle locker doors.

Left uncorrected, the shortened cam could result in locking mechanism failure or a latching failure, allowing the door to be opened.

All Maintenance Manuals for these aircraft will be updated to include the contents of this Service Bulletin, at their next schedule revision.

This Service Bulletin provides for the mandatory inspection (and if necessary, modification) of lock assemblies used for applications of Cabin Entrance Door, Forward Baggage Door, Aft Baggage Door, and Nacelle Locker Door.

INSTRUCTIONS:

1. At all applicable locations where Piper Lock Assembly P/N 473-146 is required, perform the inspection described in this Service Bulletin. If the cam length from axis of rotation to end of cam is 1.56 inches at all locations, proceed to Step 3. If any cam does not measure at least 1.56 inches, proceed to Step 2.

2. For each 473-146 lock assembly that does not meet the 1.56 inch dimensional requirement, order and install Lock Modification Cam Lock Replacement Kit, Piper Part Number 88406-002
3. Make a log book entry indicating compliance with Step1 and/or Step 2, as applicable.

MATERIAL REQUIRED:

<u>Qty</u>	<u>Piper Part #</u>	<u>Nomenclature</u>
As Required	88406-002	Kit- Lock Modification- Cam Replacement

AVAILABILITY OF PARTS: Your Piper Service Facility.

EFFECTIVITY DATE: This Service Bulletin is effective upon receipt.

SUMMARY: Please contact your Factory Authorized Piper Service Facility to make arrangements for compliance with this Service Bulletin in accordance with the compliance time indicated.

NOTE: If you are no longer in possession of this aircraft, please forward this information to the present owner/operator and notify the factory of address/ownership corrections. Changes should include aircraft model, serial number, current owner's name and address.

Corrections and/or changes should be directed to:

PIPER AIRCRAFT, INC.
Attn: Customer Service
2926 Piper Drive
Vero Beach, FL 32960