REIMS AVIATION INDUSTRIES

51360 PRUNAY - FRANCE

SERVICE BULLETIN N° F406-58 REV 2

REFERENCE MANUFACTURER: N° F406-58 REV 1 **N° ATA: 27**

Date: July 27, 2010

TITLE: RUDDER PULLEY BRACKET INSPECTION

EFFECTIVITY

Model	Serial Numbers
F406	F406- 0002/0003/0004/0006/0008/0009/0010/0012/0013/0017/0024/0025/ 0039/0042/0044/0045/0066/0070/0073/0074/0075/0077/0080/0081/ 0082/0083/0084/0085/0086/0087/0088/0089/0090/0091/0092

PURPOSE

This Service Bulletin is intented to inform F406 owners of the discovery of cracks about the pulley bracket 6015511-1. This pulley bracket is installed with the camera hole option. Non compliance with this Service bulletin may allow undetected cracks to go in the pulley bracket which could result in rudder control failure.

Scope of revision 1: Integration of an extent of tolerance for the realization of the assembly of the pulley.

Scope of revision 2: Integration of aircraft SN 91.

COMPLIANCE

Mandatory

A. Prior to the next flight, the initial inspection specified in paragraph 1 section ACCOMPLISHMENT INSTRUCTIONS must be accomplished.

B. If cracks are not found, repeat the inspection every 50 hours of operation or 1 month, whichever occurs first and until accumulating 100 hours of operation or 2 months since the initial Inspection, the installation of the pulley bracket 4061-2701-1 specified in paragraph 2 section ACCOMPLISHMENT INSTRUCTIONS must be accomplished.

C. If cracks are found, prior to the next flight, the installation of the pulley bracket 4061-2701-1 specified in paragraph 2 section ACCOMPLISHMENT INSTRUCTIONS must be accomplished.

APPROVAL

This REIMS AVIATION INDUSTRIES Service Bulletin is attached to a CNU EASA approval number: **AD 2010 0230.**

MAN-HOURS

Approximately 1.0 man-hour per airplane for inspection.

Add approximately 10 man-hours per airplane for modification.

MATERIAL

The following are available from:

REIMS AVIATION INDUSTRIES
Aérodrome de Reims Prunay
51360 Prunay
Tel: 03.26.48.46.65
Fax: 03.26.49.18.57

PART NUMBER	DESCRIPTION	QTY / AIRCRAFT
NAS1738B5-2	RIVET	1
NAS1738B4-2	RIVET	3
4061-2701-1	PULLEY BRACKET	1

CREDIT

Not applicable

ACCOMPLISHMENT INSTRUCTIONS

1. Perform Initial Inspection:

   A. Remove panels 5212006-2, 5212006-18 and 5811002-32 in the fuselage. (Refer to section 53-20-04 page 201 of the Maintenance Manual)

   B. (Refer to Figure 1.) Inspect visually for cracks in the pulley bracket 6015511-1.

      (1) If cracks are not found, repeat the inspection every 50 hours of operation or 1 month until accumulating 100 hours of operation or 2 Months or until the installation of the pulley bracket 4061-2701-1 as specified in paragraph 2.

         (a) Complete the information on the attached pulley bracket information Form and send the form to Reims Aviation Industries. This form shall be completed and sent to Reims Aviation industries after each inspection until installation of the modification pulley bracket.

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1. Perform Initial Inspection:

   A. Remove panels 5212006-2, 5212006-18 and 5811002-32 in the fuselage. (Refer to section 53-20-04 page 201 of the Maintenance Manual)

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      (1) If cracks are not found, repeat the inspection every 50 hours of operation or 1 month until accumulating 100 hours of operation or 2 Months or until the installation of the pulley bracket 4061-2701-1 as specified in paragraph 2.

         (a) Complete the information on the attached pulley bracket information Form and send the form to Reims Aviation Industries. This form shall be completed and sent to Reims Aviation industries after each inspection until installation of the modification pulley bracket.

(2) If a crack is found, install the pulley bracket 4061-2701-1 as specified in paragraph 2.

(a) Complete the information on the attached pulley bracket information Form and send the form to Reims Aviation Industries.

2. Installation of 4061-2701-1 pulley bracket:

A. Remove rudder control cable 6017104-50 (Refer to section 27-20-01 page 201 of the Maintenance Manual)

B. (Refer to Figure 1). Remove all fasteners installed in the 6015511-1 Pulley Bracket.

C. Remove from the pulley bracket 6015511-1: pulley S-378-4, screw MS27039-4-16, washer AN960-416L, nut MS21042L4 and pin NAS5427K10.

D. (Refer to Figure 2). Position pulley S-378-4, screw MS27039-4-16, washer AN960-416L, nut MS21042L4 and pin NAS5427K10.

E. Position pulley support 4061-2701-1 in place of 6015511-1

F. Using existing holes, backdrill the pulley support, deburr the holes and remove any debris from the area.

NOTA: The angular angle certified by RAI for the positioning of the pulley support is 39°/43° (with theoretical angle 39°23').

If the existing holes do not allow to have the correct positioning of the cable in the throat of the pulley with the angular extent, please contact the customer service.

G. Re-Install rudder control cable 6017104-50 (Refer to section 27-20-01 page 202 of the Maintenance Manual).

NOTA: To validate the correct positioning of the pulley support ,the control cable must be in the throat of the pulley.

3. Make an entry in the airplane logbook.

OWNER NOTIFICATION

The Service Bulletin F406-58 rev 2 dated 27 July 2010 will be addressed to the owners of the F406 airplanes. It is recommended to the customers to contact REIMS AVIATION INDUSTRIES for any further information relating to the application of the Service Bulletin F406-58 REV 2 on your airplane.

REIMS AVIATION INDUSTRIES
Aérodrome de Reims Prunay
51360 Prunay
A l'attention du Support Client
Tel : 03.26.48.46.53
Fax : 03.26.49.18 57

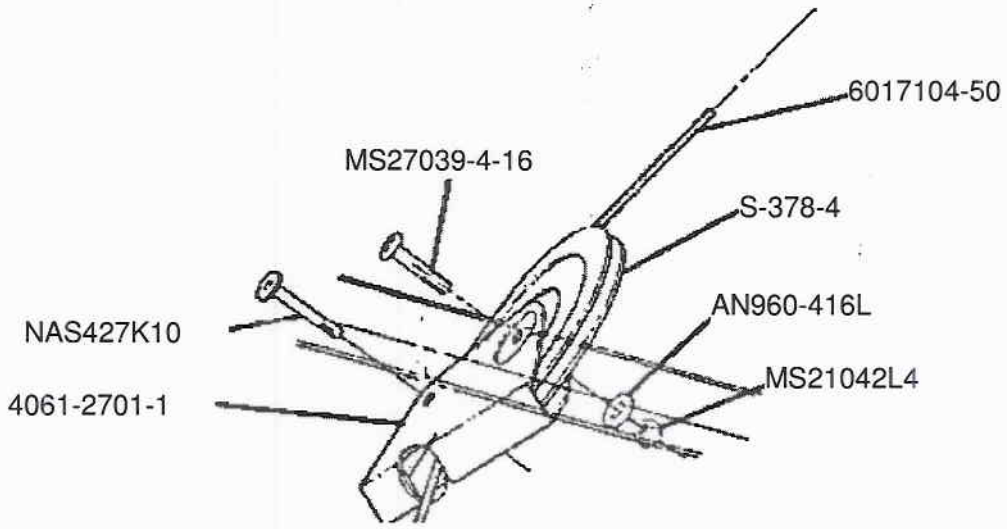


FIGURE1 – PULLEY BRACKET (Refer to section 27-20-03 of the IPC)

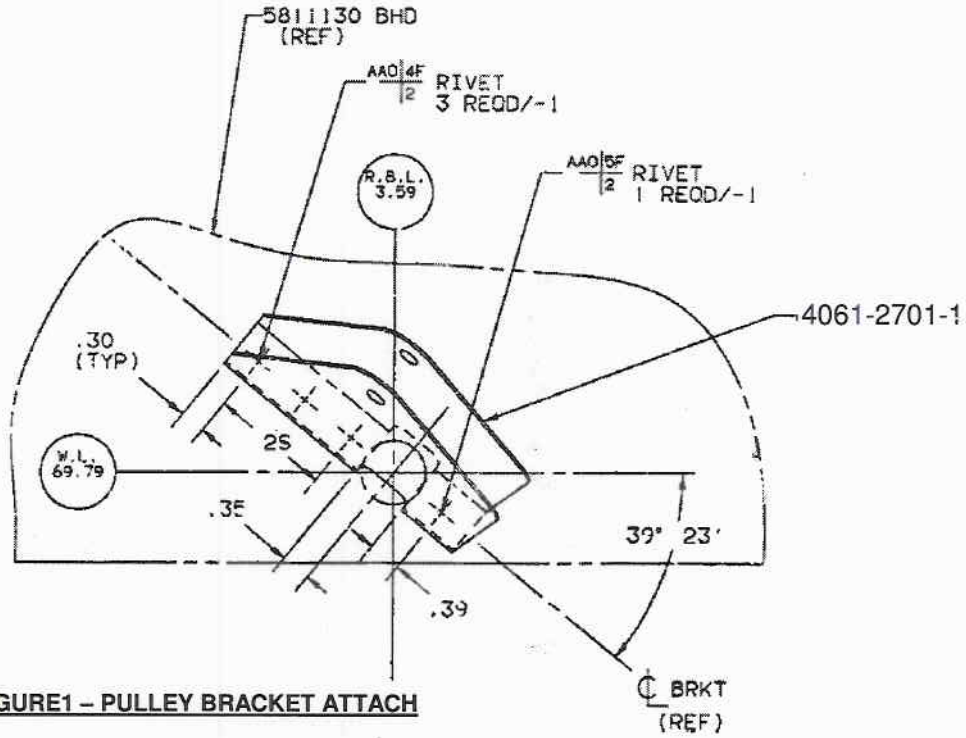


FIGURE1 – PULLEY BRACKET ATTACH

REIMS AVIATION INDUSTRIES

SPECIAL INSPECTION FORM

TITLE

PULLEY BRACKET INSPECTION

FROM :

Company : .....
Name of Technical Manager : .....
Address : .....
.....
.....
Telephone : .....
Fax : .....

AFFECTED AIRCRAFT ..... **F406 S/N** .....

Maintenance Inspection Phase : ..... Date : .....
Total flight hours : .....
Total landings : .....

Pulley Bracket Condition : .....
4061-2701-1 Installation (yes / no) : .....

Comments : .....
.....
.....
.....

Send to:

REIMS AVIATION INDUSTRIES
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51360 Prunay France
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