
TRANSLATION OF

BOLLETTINO TECNICO

The technical content of this document is approved
under the authority of DOA nr EASA.21J.005.

N° **109S-48**

DATE September 21, 2012

REV.

Compliance with
this bollettino is:

MANDATORY

SUBJECT: TAIL ROTOR DUPLEX BEARING RING NUT P/N 109-0130-97-103
INSPECTION.

REASON: Inspect the subject locking nut to verify the presence and the condition of
the two locking wires.

HELICOPTERS AFFECTED:

PART I^, PART II^ and PART III^:

All the AgustaWestland A109S helicopters.

COMPLIANCE:

PART I^:

Within and not later than 5 (five) flight hours after the receipt of this
Bollettino.

PART II^:

Each 25 (twenty five) flight hours from compliance with PART I^ and until
compliance with PART III^ of this Bollettino.

PART III^:

Within and not later than 100 (one hundred) flight hours after the receipt
of this Bollettino, and however within and not later than April 30, 2013.

DESCRIPTION:

Cases of loosening of the tail rotor duplex bearing locking nut
P/N 109-0130-97 have been reported on A109 series helicopters.

The investigation identified the absence or the damage of one or both the
locking wires securing the tail rotor duplex bearing locking nut
P/N 109-0130-97.

An appropriate entry should be made in the aircraft log book upon accomplishment.
If ownership of aircraft has changed, please, forward to new owner.

This Bollettino is issued with the purpose to provide the necessary instructions to perform:

- one-time inspection to verify the presence and the conditions of the two locking wires securing the tail rotor duplex bearing locking nut P/N 109-0130-97-103 (PART I^);
- a periodic inspection to verify the conditions of the two locking wires securing the tail rotor duplex bearing locking nut P/N 109-0130-97-103 (PART II^);
- the disassemble and the reassemble of the housing and slider group of the tail rotor rotating controls (PART III^).

REQUIRED MANPOWER:

The following estimated manpower hours are required for compliance with this Bollettino:

PART I^: 30 minutes;

PART II^: 15 minutes;

PART III^: 8 hours.

WARRANTY:

N. A.

REQUIRED MATERIALS:

PART I^:

The following consumable material may be necessary:

SPECIFICATION

DENOMINATION

Q.TY

MS20995C32

Lockwire

A.R.

PART II^ and PART III^: N. A.

SPECIAL TOOLS:

N. A.

WEIGHT AND BALANCE CHANGES:

N. A.

REFERENCES:

0B-A-AMP-00X Maintenance Publication.

PUBLICATIONS AFFECTED:

N. A.

COMPLIANCE INSTRUCTIONS:

PART I^:

(See figure 1)

1. Prepare the helicopter on ground for a safe maintenance, disconnect any power supply.
2. Gain access to the tail rotor rotating controls P/N 109-0136-01 and visually inspect the two MS20995C32 lockwires, securing

the duplex bearing locking nut P/N 109-0130-97-103 to the housing, for presence and condition (ref. figure 1).

- 2.1. If one or both the MS20995C32 lockwires are damaged, immediately proceed as described in step 2 and following steps of PART III^ of this Bollettino.
- 2.2. If only one MS20995C32 lockwire is present and on it no damage is reported, install the missing locking by means of an appropriate length of MS20995C32 lockwire and proceed as described in the step 3 and 4.
- 2.3. If the two MS20995C32 lockwires are present and no damage is reported, proceed as described in the following steps.
3. Return the helicopter in service.
4. Record compliance with PART I^ of this Bollettino in the helicopter log book.

PART II^:

(See figure 1)

1. Prepare the helicopter on ground for a safe maintenance, disconnect any power supply.
2. Gain access to the tail rotor rotating controls P/N 109-0136-01 and visually inspect the two MS20995C32 lockwires, securing the duplex bearing locking nut P/N 109-0130-97-103 to the housing, for presence and conditions (ref. figure 1).
 - 2.1. If one or both the MS20995C32 lockwires are damaged, immediately proceed as described in step 2 and following steps of PART III^ of this Bollettino.
 - 2.2. If the two MS20995C32 lockwires are present and no damages are reported, proceed as described in the following steps.
3. Return the helicopter in service.
4. Record compliance with PART II^ of this Bollettino in the helicopter log book.

PART III^:

(See figure 1)

1. Prepare the helicopter on ground for a safe maintenance, disconnect any power supply.

2. In accordance with the instructions given in the 0B-A-AMP-00X Maintenance Publication remove the tail rotor hub and blades assy and the access panels P6, P3A and P3B.
3. In accordance with the instructions given in the 0B-A-AMP-00X Maintenance Publication remove and disassemble the housing and slider group of the tail rotor rotating controls.

NOTE

In order to remove and install the rotor rotating controls, "Ground Support Equipment" could be necessary, in particular, a press is needed to remove and install the housing and sliders group.

4. In accordance with the instructions given in the 0B-A-AMP-00X Maintenance Publication reassemble and install the housing and slider group of the tail rotor rotating controls.
5. In accordance with the instructions given in the 0B-A-AMP-00X Maintenance Publication reinstall the access panels P6, P3A and P3B and the tail rotor hub and blades assy.
6. In accordance with the instructions given in the 0B-A-AMP-00X Maintenance Publication perform the tail rotor dynamic balance.
7. Return the helicopter in service.
8. Record compliance with PART III[^] of this Bollettino in the helicopter log book.

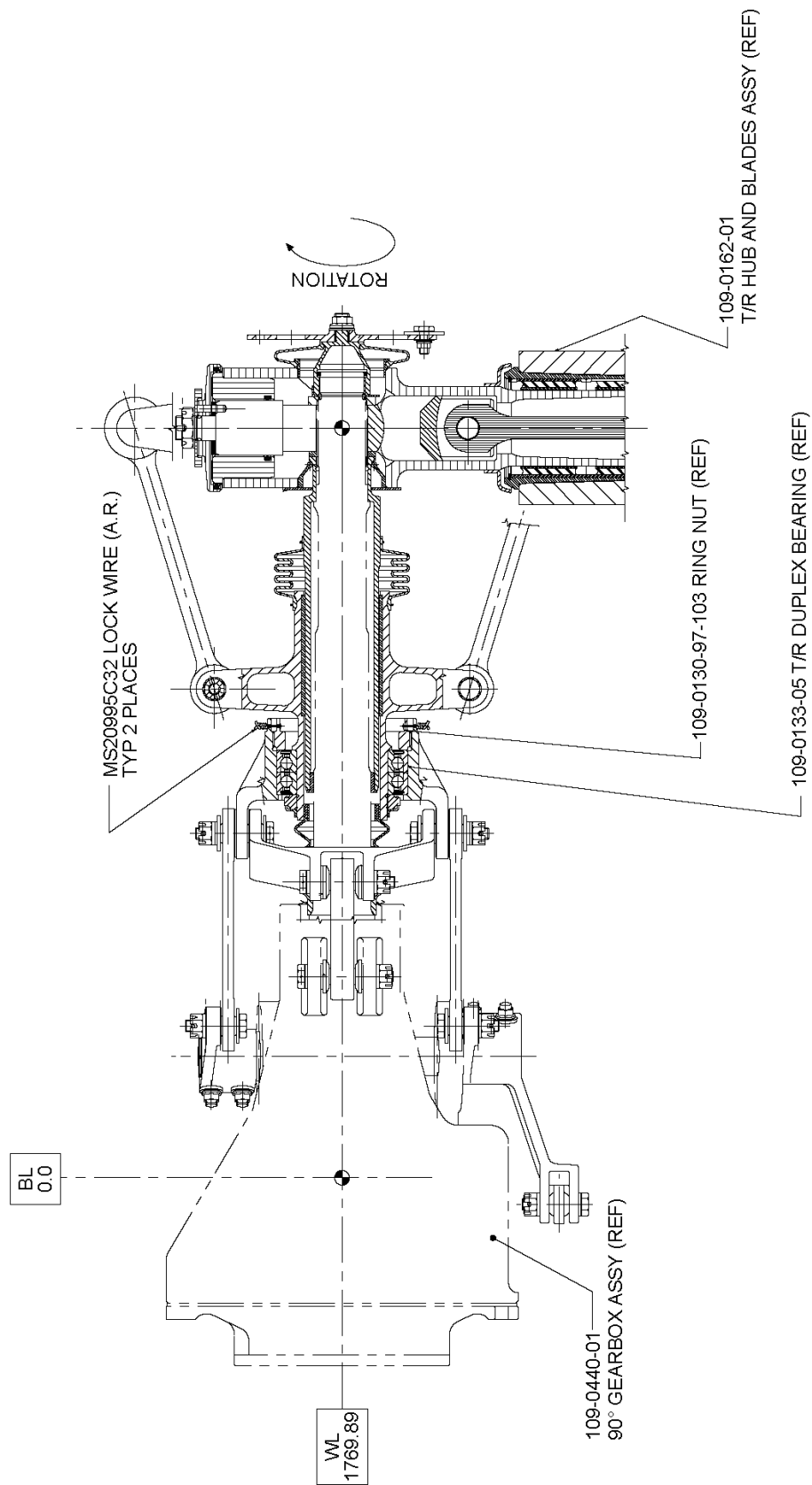


FIGURE 1

109-0136-01 TAIL ROTOR INSTALLATION

Prego spedire a questo indirizzo: <i>Please send to the following address:</i> AGUSTAWESTLAND s.p.A. CUSTOMER SUPPORT & SERVICES - ITALY PRODUCT SUPPORT ENGINEERING DPT. Via del Gregge, 100 21015 Lonate Pozzolo (VA) - ITALY Tel.: +39 0331 664905 Fax: +39 0331 664684		MODULO APPLICAZIONE BOLLETTINO TECNICO <i>TECHNICAL BULLETIN COMPLIANCE FORM</i>		Data: <i>Date:</i>	
		Numero: <i>Number:</i>			
		Revisione: <i>Revision:</i>			
Denominazione Cliente ed Indirizzo: <i>Customer Name and Address:</i>			Telefono: <i>Telephone:</i>		
			Fax:		
			Data Applicazione B.T.: <i>B.T. Compliance Date:</i>		
Modello Elicottero <i>Helicopter Model</i>	S/N	Matricola <i>Tail Number</i>	Ore Totali <i>Total Hours</i>	Ore D.U.R. <i>T.S.O.</i>	
Note: <i>Remarks:</i>					
Informazioni: <i>Information:</i> Al fine di gestire le varianti alla configurazione base, in relazione all'emissione del Bollettino Tecnico, preghiamo di voler compilare il presente modulo in tutte le sue parti e spedirlo all'indirizzo sopra indicato. Si ringrazia per la gentile collaborazione data. We request your cooperation in filling this form, in order to keep out statistical data relevant to aircraft configuration up-to-date. The form should be filled in all its parts and sent to the above address. We thank you beforehand for the information given.					

TRANSLATION OF

BOLLETTINO TECNICO

The technical content of this document is approved
under the authority of DOA nr EASA.21J.005.

N° **109SP-051**

DATE September 21, 2012

REV.

Compliance with
this bollettino is:

MANDATORY

SUBJECT: TAIL ROTOR DUPLEX BEARING RING NUT P/N 109-0130-97-103
INSPECTION.

REASON: Inspect the subject locking nut to verify the presence and the condition of
the two locking wires.

HELICOPTERS AFFECTED:

PART I^, PART II^ and PART III^:

The AgustaWestland AW109SP helicopters from S/N22202 to S/N22278,
except S/N 22239, S/N 22264, S/N 22266, S/N 22272, S/N 22273,
S/N 22275 and S/N 22277.

COMPLIANCE:

PART I^:

Within and not later than 5 (five) flight hours after the receipt of this
Bollettino.

PART II^:

Each 25 (twenty five) flight hours from compliance with PART I^ and until
compliance with PART III^ of this Bollettino.

PART III^:

Within and not later than 100 (one hundred) flight hours after the receipt
of this Bollettino, and however within and not later than April 30, 2013.

DESCRIPTION:

Cases of loosening of the tail rotor duplex bearing locking nut P/N 109-
0130-97-103 have been reported on A109 series helicopters.

The investigation identified the absence or the damage of one or both the
locking wires securing the tail rotor duplex bearing locking nut P/N 109-
0130-97-103.

An appropriate entry should be made in the aircraft log book upon accomplishment.
If ownership of aircraft has changed, please, forward to new owner.

This Bollettino is issued with the purpose to provide the necessary instructions to perform:

- one-time inspection to verify the presence and the conditions of the two locking wires securing the tail rotor duplex bearing locking nut P/N 109-0130-97-103 (PART I^);
- a periodic inspection to verify the conditions of the two locking wires securing the tail rotor duplex bearing locking nut P/N 109-0130-97-103 (PART II^);
- the disassemble and the reassemble of the housing and slider group of the tail rotor rotating controls (PART III^).

REQUIRED MANPOWER:

The following estimated manpower hours are required for compliance with this Bollettino:

PART I^: 30 minutes;

PART II^: 15 minutes;

PART III^: 8 hours.

WARRANTY:

N. A.

REQUIRED MATERIALS:

PART I^:

The following consumable material may be necessary:

SPECIFICATION

DENOMINATION

Q.TY

MS20995C32

Lockwire

A.R.

PART II^ and PART III^: N. A.

SPECIAL TOOLS:

N. A.

WEIGHT AND BALANCE CHANGES:

N. A.

REFERENCES:

0B-A-AMP-00X Maintenance Publication.

PUBLICATIONS AFFECTED:

N. A.

COMPLIANCE INSTRUCTIONS:

PART I^:

(See figure 1)

1. Prepare the helicopter on ground for a safe maintenance, disconnect any power supply.

2. Gain access to the tail rotor rotating controls P/N 109-0136-01 and visually inspect the two MS20995C32 lockwires, securing the duplex bearing locking nut P/N 109-0130-97-103 to the housing, for presence and condition (ref. figure 1).
- 2.1. If one or both the MS20995C32 lockwires are damaged, immediately proceed as described in step 2 and following steps of PART III^ of this Bollettino.
- 2.2. If only one MS20995C32 lockwire is present and on it no damage is reported, install the missing locking by means of an appropriate length of MS20995C32 lockwire and proceed as described in the step 3 and 4.
- 2.3. If the two MS20995C32 lockwires are present and no damage is reported, proceed as described in the following steps.
3. Return the helicopter in service.
4. Record compliance with PART I^ of this Bollettino in the helicopter log book.

PART II^:

(See figure 1)

1. Prepare the helicopter on ground for a safe maintenance, disconnect any power supply.
2. Gain access to the tail rotor rotating controls P/N 109-0136-01 and visually inspect the two MS20995C32 lockwires, securing the duplex bearing locking nut P/N 109-0130-97-103 to the housing, for presence and conditions (ref. figure 1).
- 2.1. If one or both the MS20995C32 lockwires are damaged, immediately proceed as described in step 2 and following steps of PART III^ of this Bollettino.
- 2.2. If the two MS20995C32 lockwires are present and no damages are reported, proceed as described in the following steps.
3. Return the helicopter in service.
4. Record compliance with PART II^ of this Bollettino in the helicopter log book.

PART III^:

(See figure 1)

1. Prepare the helicopter on ground for a safe maintenance, disconnect any power supply.
2. In accordance with the instructions given in the 0B-A-AMP-00X Maintenance Publication remove the tail rotor hub and blades assy and the access panels P6, P3A and P3B.
3. In accordance with the instructions given in the 0B-A-AMP-00X Maintenance Publication remove and disassemble the housing and slider group of the tail rotor rotating controls.

NOTE

In order to remove and install the rotor rotating controls, "Ground Support Equipment" could be necessary, in particular, a press is needed to remove and install the housing and sliders group.

4. In accordance with the instructions given in the 0B-A-AMP-00X Maintenance Publication reassemble and install the housing and slider group of the tail rotor rotating controls.
5. In accordance with the instructions given in the 0B-A-AMP-00X Maintenance Publication reinstall the access panels P6, P3A and P3B and the tail rotor hub and blades assy.
6. In accordance with the instructions given in the 0B-A-AMP-00X Maintenance Publication perform the tail rotor dynamic balance.
7. Return the helicopter in service.
8. Record compliance with PART III^ of this Bollettino in the helicopter log book.

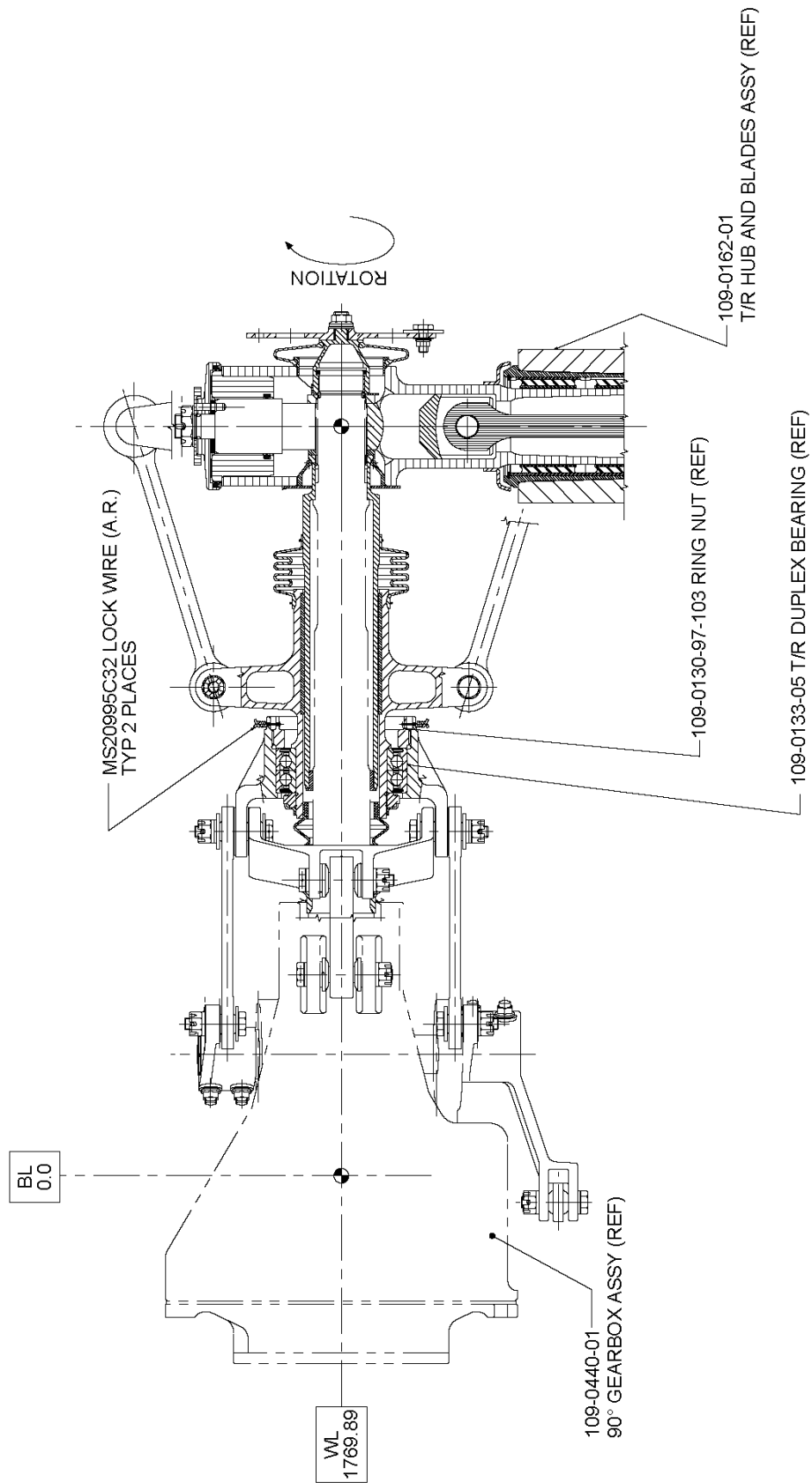


FIGURE 1

109-0136-01 TAIL ROTOR INSTALLATION

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		Numero: <i>Number:</i>			
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			Fax:		
			Data Applicazione B.T.: <i>B.T. Compliance Date:</i>		
Modello Elicottero <i>Helicopter Model</i>	S/N	Matricola <i>Tail Number</i>	Ore Totali <i>Total Hours</i>	Ore D.U.R. <i>T.S.O.</i>	
Note: <i>Remarks:</i>					
Informazioni: <i>Information:</i> Al fine di gestire le varianti alla configurazione base, in relazione all'emissione del Bollettino Tecnico, preghiamo di voler compilare il presente modulo in tutte le sue parti e spedirlo all'indirizzo sopra indicato. Si ringrazia per la gentile collaborazione data. We request your cooperation in filling this form, in order to keep out statistical data relevant to aircraft configuration up-to-date. The form should be filled in all its parts and sent to the above address. We thank you beforehand for the information given.					

TRANSLATION OF

BOLLETTINO TECNICO

The technical content of this document is approved
under the authority of DOA nr EASA.21J.005.

N° **109K-54**

DATE September 21, 2012

REV.

Compliance with
this bollettino is:

MANDATORY

SUBJECT: TAIL ROTOR DUPLEX BEARING RING NUT P/N 109-0130-97-101 OR
P/N 109-0130-97-103 INSPECTION.

REASON: Inspect the subject locking nut to verify the presence and the condition of
the two locking wires.

HELICOPTERS AFFECTED:

PART I^, PART II^ and PART III^:

All the AgustaWestland A109K2 helicopters.

COMPLIANCE:

PART I^:

Within and not later than 5 (five) flight hours after the receipt of this
Bollettino.

PART II^:

Each 25 (twenty five) flight hours from compliance with PART I^ and until
compliance with PART III^ of this Bollettino.

PART III^:

Within and not later than 100 (one hundred) flight hours after the receipt
of this Bollettino, and however within and not later than April 30, 2013.

DESCRIPTION:

Cases of loosening of the tail rotor duplex bearing locking nut P/N 109-
0130-97 have been reported on A109 series helicopters.

The investigation identified the absence or the damage of one or both the
locking wires securing the tail rotor duplex bearing locking nut P/N 109-
0130-97.

An appropriate entry should be made in the aircraft log book upon accomplishment.
If ownership of aircraft has changed, please, forward to new owner.

This Bollettino is issued with the purpose to provide the necessary instructions to perform:

- one-time inspection to verify the presence and the conditions of the two locking wires securing the tail rotor duplex bearing locking nut P/N 109-0130-97-101 or -103 (PART I^);
- a periodic inspection to verify the conditions of the two locking wires securing the tail rotor duplex bearing locking nut P/N 109-0130-97-101 or -103 (PART II^);
- the disassemble and the reassemble of the housing and slider group of the tail rotor rotating controls (PART III^).

REQUIRED MANPOWER:

The following estimated manpower hours are required for compliance with this Bollettino:

PART I^: 30 minutes;

PART II^: 15 minutes;

PART III^: 8 hours.

WARRANTY:

N. A.

REQUIRED MATERIALS:

PART I^:

The following consumable material may be necessary:

SPECIFICATION

DENOMINATION

Q.TY

MS20995C32

Lockwire

A.R.

PART II^ and PART III^: N. A.

SPECIAL TOOLS:

N. A.

WEIGHT AND BALANCE CHANGES:

N. A.

REFERENCES:

A109K2 Maintenance Manual.

PUBLICATIONS AFFECTED:

N. A.

COMPLIANCE INSTRUCTIONS:

PART I^:

(See figure 1)

1. Prepare the helicopter on ground for a safe maintenance, disconnect any power supply.
2. Gain access to the tail rotor rotating controls P/N 109-0133-01 and visually inspect the two MS20995C32 lockwires, securing

the duplex bearing locking nut P/N 109-0130-97-101 or -103 to the housing, for presence and condition (ref. figure 1).

- 2.1. If one or both the MS20995C32 lockwires are damaged, immediately proceed as described in step 2 and following steps of PART III^ of this Bollettino.
- 2.2. If only one MS20995C32 lockwire is present and on it no damage is reported, install the missing locking by means of an appropriate length of MS20995C32 lockwire and proceed as described in the step 3 and 4.
- 2.3. If the two MS20995C32 lockwires are present and no damage is reported, proceed as described in the following steps.
3. Return the helicopter in service.
4. Record compliance with PART I^ of this Bollettino in the helicopter log book.

PART II^:

(See figure 1)

1. Prepare the helicopter on ground for a safe maintenance, disconnect any power supply.
2. Gain access to the tail rotor rotating controls P/N 109-0133-01 and visually inspect the two MS20995C32 lockwires, securing the duplex bearing locking nut P/N 109-0130-97-101 or -103 to the housing, for presence and conditions (ref. figure 1).
 - 2.1. If one or both the MS20995C32 lockwires are damaged, immediately proceed as described in step 2 and following steps of PART III^ of this Bollettino.
 - 2.2. If the two MS20995C32 lockwires are present and no damages are reported, proceed as described in the following steps.
3. Return the helicopter in service.
4. Record compliance with PART II^ of this Bollettino in the helicopter log book.

PART III^:

(See figure 1)

1. Prepare the helicopter on ground for a safe maintenance, disconnect any power supply.

2. In accordance with the instructions given in the A109K2 Maintenance Manual remove the tail rotor hub and blades assy and the access fairing 11 and door 60.
3. In accordance with the instructions given in the A109K2 Maintenance Manual remove and disassemble the housing and slider group of the tail rotor rotating controls.

NOTE

In order to remove and install the rotor rotating controls, "Ground Support Equipment" could be necessary, in particular, a press is needed to remove and install the housing and sliders group.

4. In accordance with the instructions given in the A109K2 Maintenance Manual reassemble and install the housing and slider group of the tail rotor rotating controls.
5. In accordance with the instructions given in the A109K2 Maintenance Manual reinstall the access fairing 11, door 60 and the tail rotor hub and blades assy.
6. In accordance with the instructions given in the A109K2 Maintenance Manual perform the tail rotor dynamic balance.
7. Return the helicopter in service.
8. Record compliance with PART III[^] of this Bollettino in the helicopter log book.

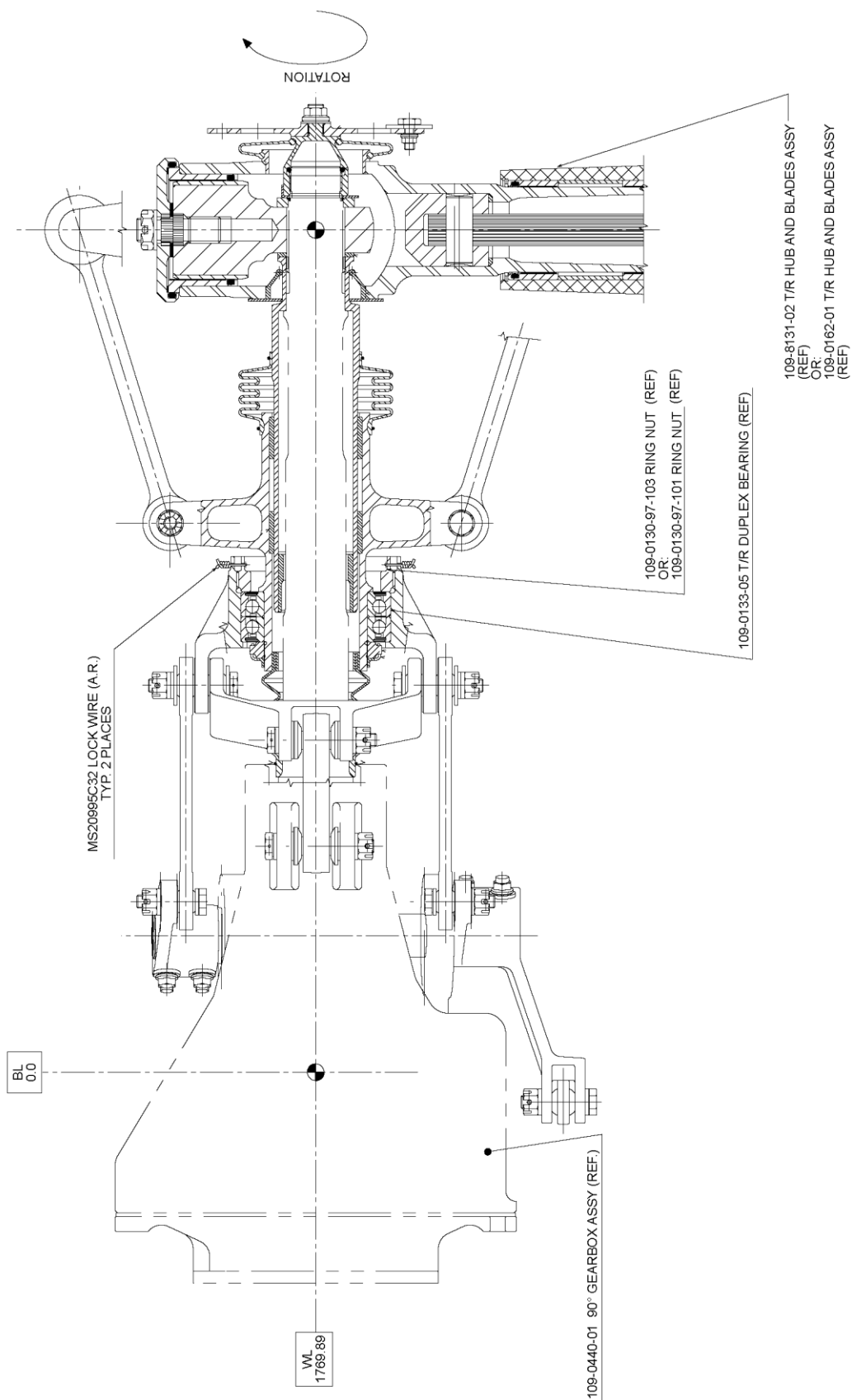


FIGURE 1

109-0133-01 TAIL ROTOR INSTALLATION

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		Numero: <i>Number:</i>			
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Denominazione Cliente ed Indirizzo: <i>Customer Name and Address:</i>			Telefono: <i>Telephone:</i>		
			Fax:		
			Data Applicazione B.T.: <i>B.T. Compliance Date:</i>		
Modello Elicottero <i>Helicopter Model</i>	S/N	Matricola <i>Tail Number</i>	Ore Totali <i>Total Hours</i>	Ore D.U.R. <i>T.S.O.</i>	
Note: <i>Remarks:</i>					
Informazioni: <i>Information:</i> Al fine di gestire le varianti alla configurazione base, in relazione all'emissione del Bollettino Tecnico, preghiamo di voler compilare il presente modulo in tutte le sue parti e spedirlo all'indirizzo sopra indicato. Si ringrazia per la gentile collaborazione data. We request your cooperation in filling this form, in order to keep out statistical data relevant to aircraft configuration up-to-date. The form should be filled in all its parts and sent to the above address. We thank you beforehand for the information given.					

TRANSLATION OF

BOLLETTINO TECNICO

The technical content of this document is approved
under the authority of DOA nr EASA.21J.005.

N° **109EP-121**

DATE September 21, 2012

REV.

Compliance with
this bollettino is:

MANDATORY

SUBJECT: TAIL ROTOR DUPLEX BEARING RING NUT P/N 109-0130-97-101 OR
P/N 109-0130-97-103 INSPECTION.

REASON: Inspect the subject locking nut to verify the presence and the condition of
the two locking wires.

HELICOPTERS AFFECTED:

PART I[^], PART II[^] and PART III[^]:

All the AgustaWestland A109E helicopters from S/N 11002 to S/N 11807
included, except S/N 11796.

COMPLIANCE:

PART I[^]:

Within and not later than 5 (five) flight hours after the receipt of this
Bollettino.

PART II[^]:

Each 25 (twenty five) flight hours from compliance with PART I[^] and until
compliance with PART III[^] of this Bollettino.

PART III[^]:

Within and not later than 100 (one hundred) flight hours after the receipt
of this Bollettino, and however within and not later than April 30, 2013.

DESCRIPTION:

Cases of loosening of the tail rotor duplex bearing locking nut
P/N 109-0130-97 have been reported on A109 series helicopters.

The investigation identified the absence or the damage of one or both the
locking wires securing the tail rotor duplex bearing locking nut
P/N 109-0130-97.

An appropriate entry should be made in the aircraft log book upon accomplishment.
If ownership of aircraft has changed, please, forward to new owner.

This Bollettino is issued with the purpose to provide the necessary instructions to perform:

- one-time inspection to verify the presence and the conditions of the two locking wires securing the tail rotor duplex bearing locking nut P/N 109-0130-97-101 or -103 (PART I^);
- a periodic inspection to verify the conditions of the two locking wires securing the tail rotor duplex bearing locking nut P/N 109-0130-97-101 or -103 (PART II^);
- the disassemble and the reassemble of the housing and slider group of the tail rotor rotating controls (PART III^).

REQUIRED MANPOWER:

The following estimated manpower hours are required for compliance with this Bollettino:

PART I^: 30 minutes;

PART II^: 15 minutes;

PART III^: 8 hours.

WARRANTY:

N. A.

REQUIRED MATERIALS:

PART I^:

The following consumable material may be necessary:

<u>SPECIFICA</u>	<u>DENOMINATION</u>	<u>Q.TY</u>
MS20995C32	Lockwire	A.R.

PART II^ and PART III^: N. A.

SPECIAL TOOLS:

N. A.

WEIGHT AND BALANCE CHANGES:

N. A.

REFERENCES:

A109E Maintenance Manual.

PUBLICATIONS AFFECTED:

N. A.

COMPLIANCE INSTRUCTIONS:

PART I^:

(See figure 1 and 2)

1. Prepare the helicopter on ground for a safe maintenance, disconnect any power supply.
2. Gain access to the tail rotor rotating controls P/N 109-0133-01 or P/N 109-0136-02 and visually inspect the two MS20995C32

lockwires, securing the duplex bearing locking nut P/N 109-0130-97-101 or -103 to the housing, for presence and condition (ref. figure 1).

- 2.1. If one or both the MS20995C32 lockwires are damaged, immediately proceed as described in step 2 and following steps of PART III^ of this Bollettino.
- 2.2. If only one MS20995C32 lockwire is present and on it no damage is reported, install the missing locking by means of an appropriate length of MS20995C32 lockwire and proceed as described in the step 3 and 4.
- 2.3. If the two MS20995C32 lockwires are present and no damage is reported, proceed as described in the following steps.
3. Return the helicopter in service.
4. Record compliance with PART I^ of this Bollettino in the helicopter log book.

PART II^:

(See figure 1 and 2)

1. Prepare the helicopter on ground for a safe maintenance, disconnect any power supply.
2. Gain access to the tail rotor rotating controls P/N 109-0133-01 or P/N 109-0136-02 and visually inspect the two MS20995C32 lockwires, securing the duplex bearing locking nut P/N 109-0130-97-101 or -103 to the housing, for presence and conditions (ref. figure 1).
- 2.1. If one or both the MS20995C32 lockwires are damaged, immediately proceed as described in step 2 and following steps of PART III^ of this Bollettino.
- 2.2. If the two MS20995C32 lockwires are present and no damages are reported, proceed as described in the following steps.
3. Return the helicopter in service.
4. Record compliance with PART II^ of this Bollettino in the helicopter log book.

PART III^:

(See figure 1 and 2)

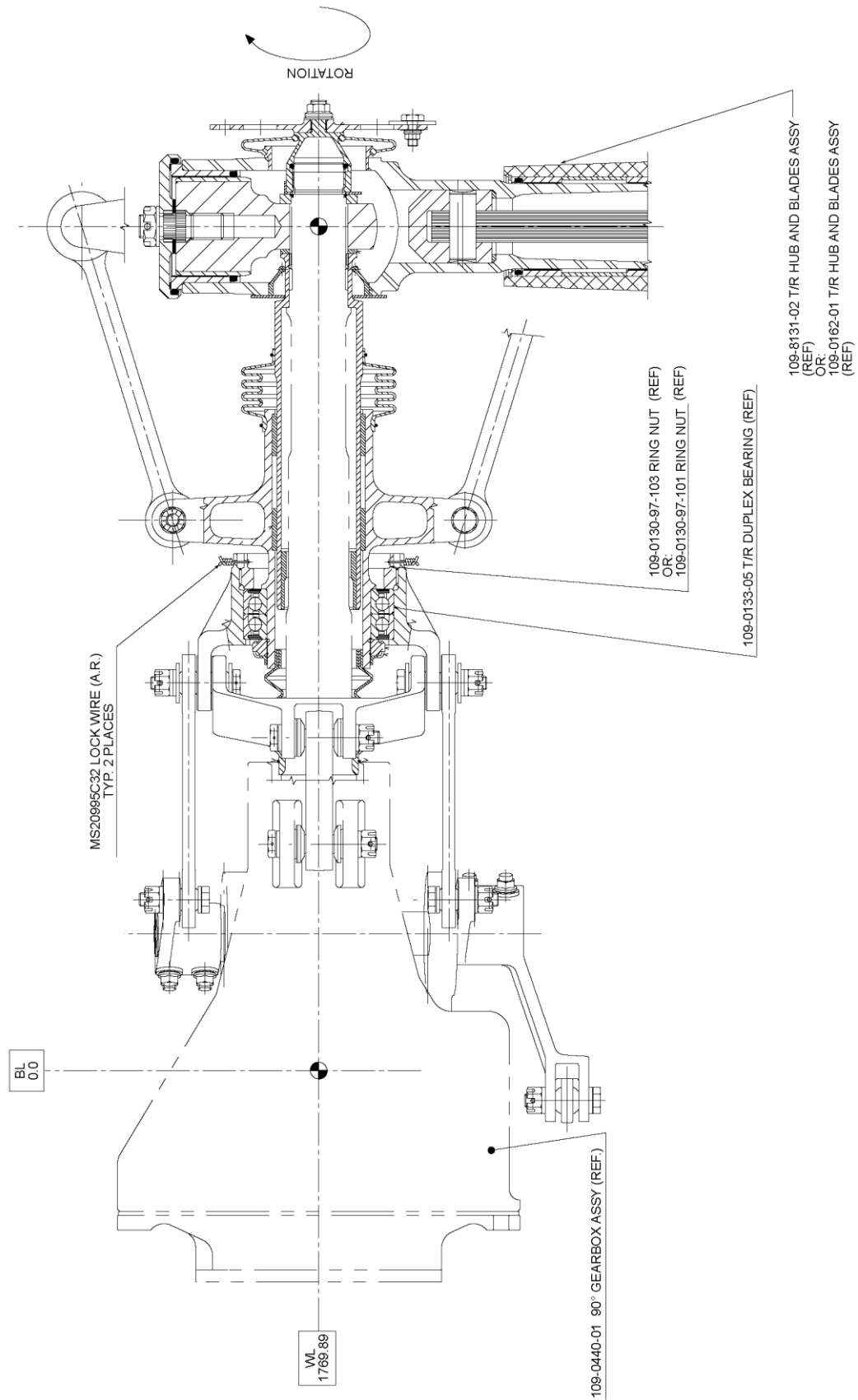
1. Prepare the helicopter on ground for a safe maintenance, disconnect any power supply.

2. In accordance with the instructions given in the A109E Maintenance Manual remove the tail rotor hub and blades assy and the access panels P6 and P12.
3. In accordance with the instructions given in the A109E Maintenance Manual remove and disassemble the housing and slider group of the tail rotor rotating controls.

NOTE

In order to remove and install the rotor rotating controls, "Ground Support Equipment" could be necessary, in particular, a press is needed to remove and install the housing and sliders group.

4. In accordance with the instructions given in the A109E Maintenance Manual reassemble and install the housing and slider group of the tail rotor rotating controls.
5. In accordance with the instructions given in the A109E Maintenance Manual reinstall the access panels P6 and P12 and the tail rotor hub and blades assy.
6. In accordance with the instructions given in the A109E Maintenance Manual perform the tail rotor dynamic balance.
7. Return the helicopter in service.
8. Record compliance with PART III[^] of this Bollettino in the helicopter log book.



109-0133-01 TAIL ROTOR INSTALLATION

FIGURE 1

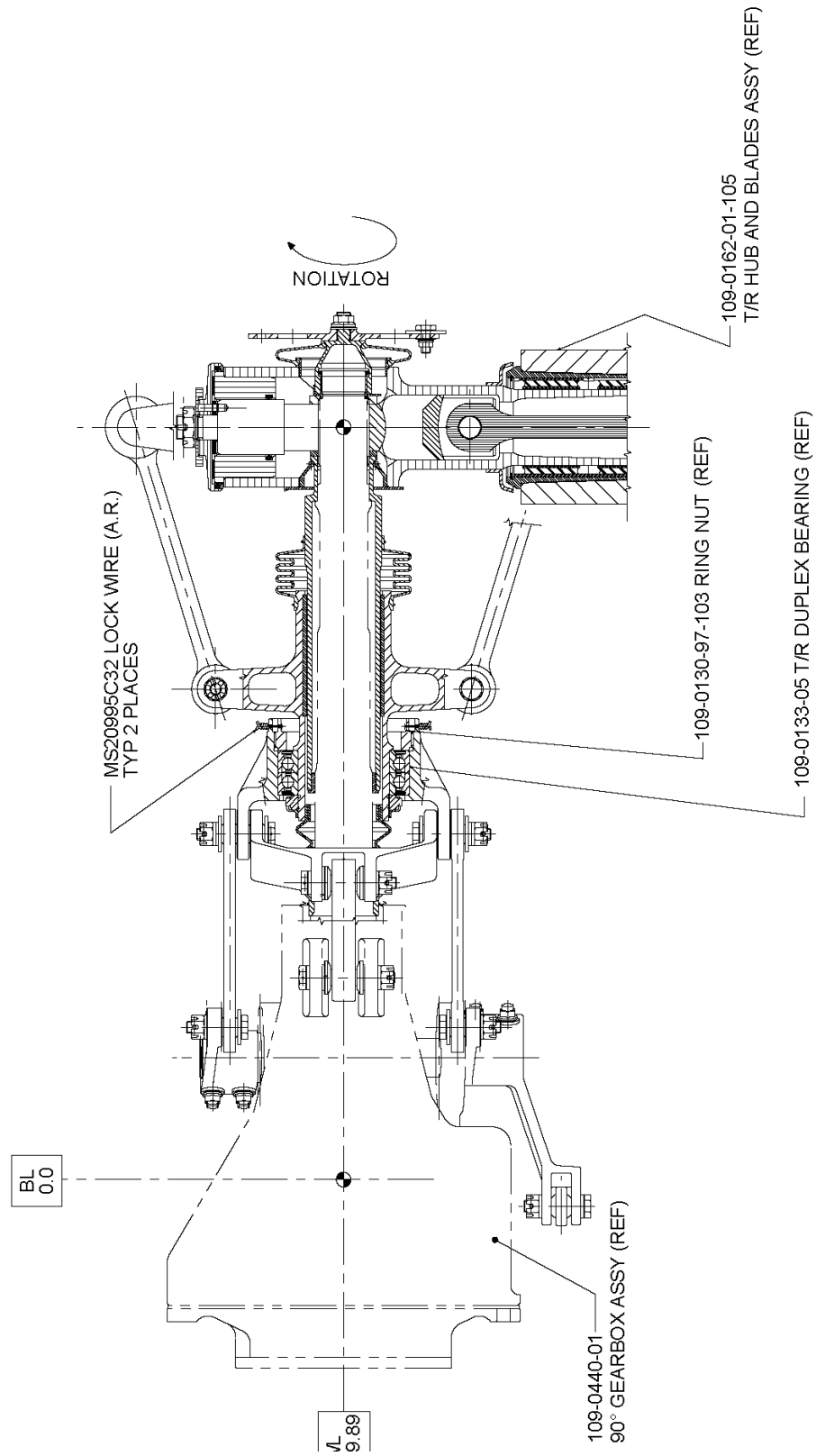


FIGURE 2

109-0136-02 TAIL ROTOR INSTALLATION

Prego spedire a questo indirizzo: <i>Please send to the following address:</i> AGUSTAWESTLAND s.p.A. CUSTOMER SUPPORT & SERVICES - ITALY PRODUCT SUPPORT ENGINEERING DPT. Via del Gregge, 100 21015 Lonate Pozzolo (VA) - ITALY Tel.: +39 0331 664905 Fax: +39 0331 664684		MODULO APPLICAZIONE BOLLETTINO TECNICO <i>TECHNICAL BULLETIN COMPLIANCE FORM</i>		Data: <i>Date:</i>	
		Numero: <i>Number:</i>			
		Revisione: <i>Revision:</i>			
Denominazione Cliente ed Indirizzo: <i>Customer Name and Address:</i>			Telefono: <i>Telephone:</i>		
			Fax:		
			Data Applicazione B.T.: <i>B.T. Compliance Date:</i>		
Modello Elicottero <i>Helicopter Model</i>	S/N	Matricola <i>Tail Number</i>	Ore Totali <i>Total Hours</i>	Ore D.U.R. <i>T.S.O.</i>	
Note: <i>Remarks:</i>					
Informazioni: <i>Information:</i> Al fine di gestire le varianti alla configurazione base, in relazione all'emissione del Bollettino Tecnico, preghiamo di voler compilare il presente modulo in tutte le sue parti e spedirlo all'indirizzo sopra indicato. Si ringrazia per la gentile collaborazione data. We request your cooperation in filling this form, in order to keep out statistical data relevant to aircraft configuration up-to-date. The form should be filled in all its parts and sent to the above address. We thank you beforehand for the information given.					

TRANSLATION OF

N° **109-134**

BOLLETTINO TECNICO

The technical content of this document is approved
under the authority of DOA nr EASA.21J.005.

DATE September 21, 2012

REV.

Compliance with
this bollettino is:

MANDATORY

SUBJECT: TAIL ROTOR DUPLEX BEARING RING NUT P/N 109-0130-97-101 OR
P/N 109-0130-97-103 INSPECTION.

REASON: Inspect the subject locking nut to verify the presence and the condition of
the two locking wires.

HELICOPTERS AFFECTED:

PART I^, PART II^ and PART III^:

All the AgustaWestland A109C helicopters.

COMPLIANCE:

PART I^:

Within and not later than 5 (five) flight hours after the receipt of this
Bollettino.

PART II^:

Each 25 (twenty five) flight hours from compliance with PART I^ and until
compliance with PART III^ of this Bollettino.

PART III^:

Within and not later than 100 (one hundred) flight hours after the receipt
of this Bollettino, and however within and not later than April 30, 2013.

DESCRIPTION:

Cases of loosening of the tail rotor duplex bearing locking nut
P/N 109-0130-97 have been reported on A109 series helicopters.

The investigation identified the absence or the damage of one or both the
locking wires securing the tail rotor duplex bearing locking nut
P/N 109-0130-97.

An appropriate entry should be made in the aircraft log book upon accomplishment.
If ownership of aircraft has changed, please, forward to new owner.

This Bollettino is issued with the purpose to provide the necessary instructions to perform:

- one-time inspection to verify the presence and the conditions of the two locking wires securing the tail rotor duplex bearing locking nut P/N 109-0130-97-101 or -103 (PART I^);
- a periodic inspection to verify the conditions of the two locking wires securing the tail rotor duplex bearing locking nut P/N 109-0130-97-101 or -103 (PART II^);
- the disassemble and the reassemble of the housing and slider group of the tail rotor rotating controls (PART III^).

REQUIRED MANPOWER:

The following estimated manpower hours are required for compliance with this Bollettino:

PART I^: 30 minutes;

PART II^: 15 minutes;

PART III^: 8 hours.

WARRANTY:

N. A.

REQUIRED MATERIALS:

PART I^:

The following consumable material may be necessary:

SPECIFICATION
MS20995C32

DENOMINATION
Lockwire

Q.TY
A.R.

PART II^ and PART III^:
N. A.

SPECIAL TOOLS:

N. A.

WEIGHT AND BALANCE CHANGES:

N. A.

REFERENCES:

A109C Maintenance Manual.

PUBLICATIONS AFFECTED:

N. A.

COMPLIANCE INSTRUCTIONS:

PART I^:

(See figure 1)

1. Prepare the helicopter on ground for a safe maintenance, disconnect any power supply.

2. Gain access to the tail rotor rotating controls P/N 109-0133-01 and visually inspect the two MS20995C32 lockwires, securing the duplex bearing locking nut P/N 109-0130-97-101 or -103 to the housing, for presence and condition (ref. figure 1).
- 2.1. If one or both the MS20995C32 lockwires are damaged, immediately proceed as described in step 2 and following steps of PART III^ of this Bollettino.
- 2.2. If only one MS20995C32 lockwire is present and on it no damage is reported, install the missing locking by means of an appropriate length of MS20995C32 lockwire and proceed as described in the step 3 and 4.
- 2.3. If the two MS20995C32 lockwires are present and no damage is reported, proceed as described in the following steps.
3. Return the helicopter in service.
4. Record compliance with PART I^ of this Bollettino in the helicopter log book.

PART II^:

(See figure 1)

1. Prepare the helicopter on ground for a safe maintenance, disconnect any power supply.
2. Gain access to the tail rotor rotating controls P/N 109-0133-01 and visually inspect the two MS20995C32 lockwires, securing the duplex bearing locking nut P/N 109-0130-97-101 or -103 to the housing, for presence and conditions (ref. figure 1).
- 2.1. If one or both the MS20995C32 lockwires are damaged, immediately proceed as described in step 2 and following steps of PART III^ of this Bollettino.
- 2.2. If the two MS20995C32 lockwires are present and no damages are reported, proceed as described in the following steps.
3. Return the helicopter in service.
4. Record compliance with PART II^ of this Bollettino in the helicopter log book.

PART III^:

(See figure 1)

1. Prepare the helicopter on ground for a safe maintenance, disconnect any power supply.

2. In accordance with the instructions given in the A109C Maintenance Manual remove the tail rotor hub and blades assy and the access panels P6 and P12.
3. In accordance with the instructions given in the A109C Maintenance Manual remove and disassemble the housing and slider group of the tail rotor rotating controls.

NOTE

In order to remove and install the rotor rotating controls, "Ground Support Equipment" could be necessary, in particular, a press is needed to remove and install the housing and sliders group.

4. In accordance with the instructions given in the A109C Maintenance Manual reassemble and install the housing and slider group of the tail rotor rotating controls.
5. In accordance with the instructions given in the A109C Maintenance Manual reinstall the access panels P6 and P12 and the tail rotor hub and blades assy.
6. In accordance with the instructions given in the A109C Maintenance Manual perform the tail rotor dynamic balance.
7. Return the helicopter in service.
8. Record compliance with PART III[^] of this Bollettino in the helicopter log book.

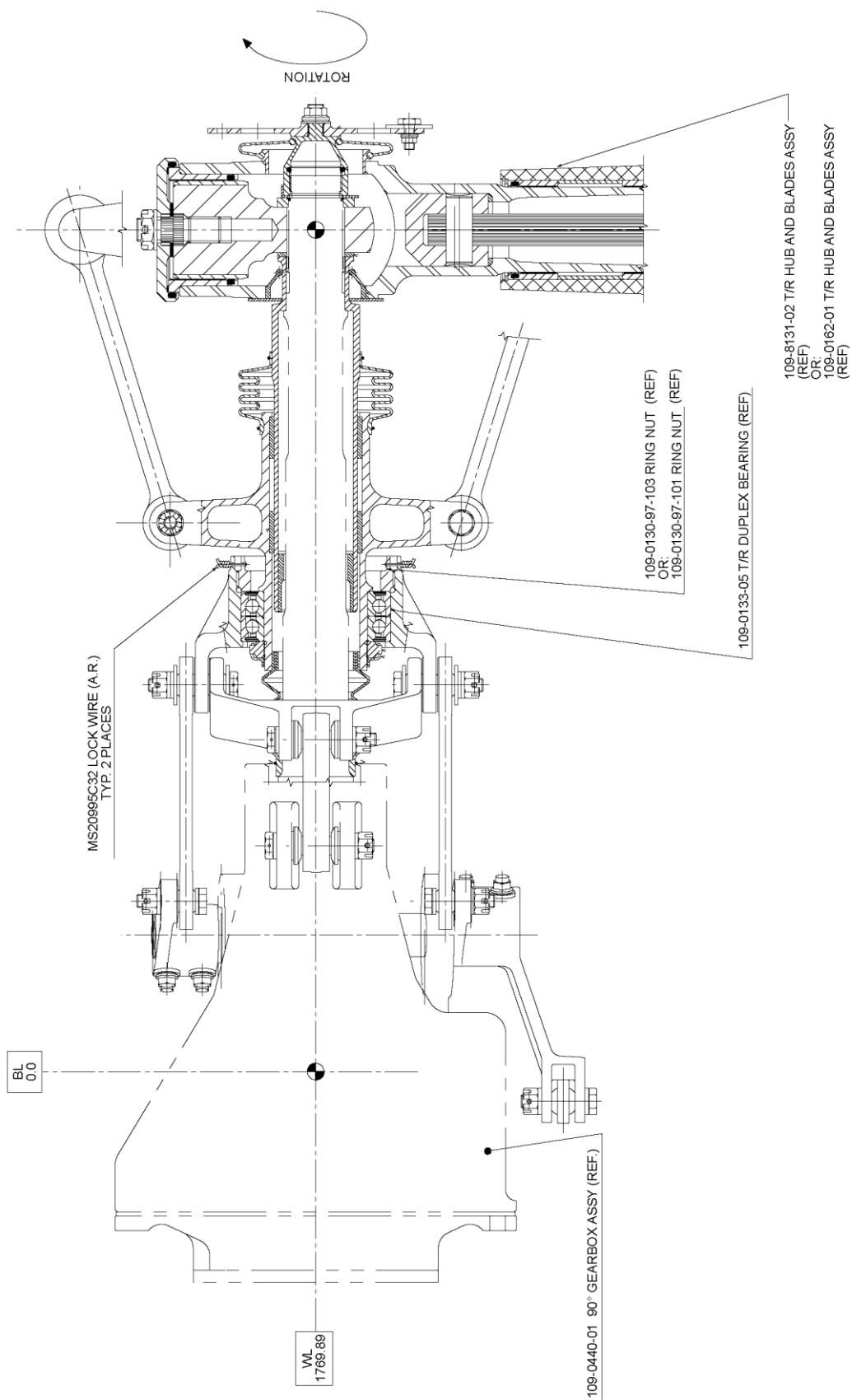


FIGURE 1

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