

# G KIT 54

Concerning:

Notice n. 11

Subject: better repositioning quality on CF 7 HE X.

Application: all Cf 7 HE X.

Effect: by applying this modification you will obtain a higher precision and repeatability of pan/tilt repositioning either after the reset and accidental misalignment.

Note: we have designed a new encoder for CF 7 HE X in order to improve the unit and satisfy the requests of higher performances.



UNI EN  
ISO  
9001

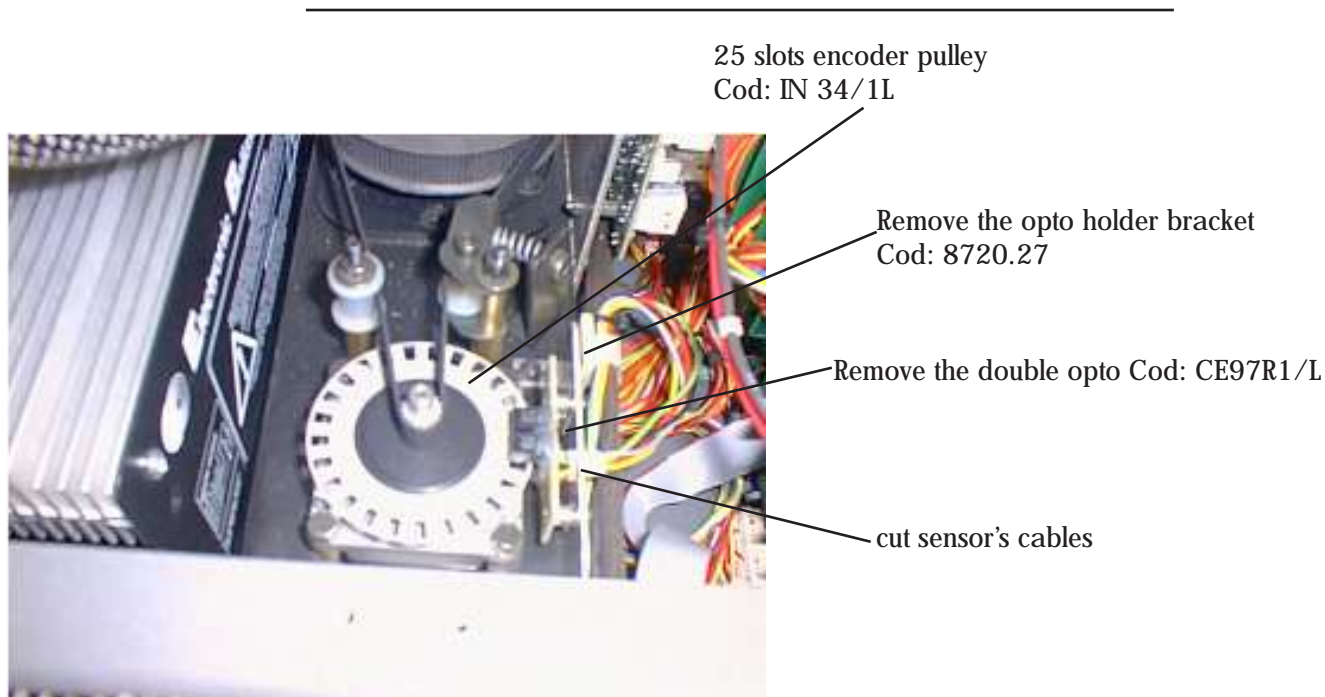


## Modification:

The modification has to be applied on two different areas of the unit: base and yoke.

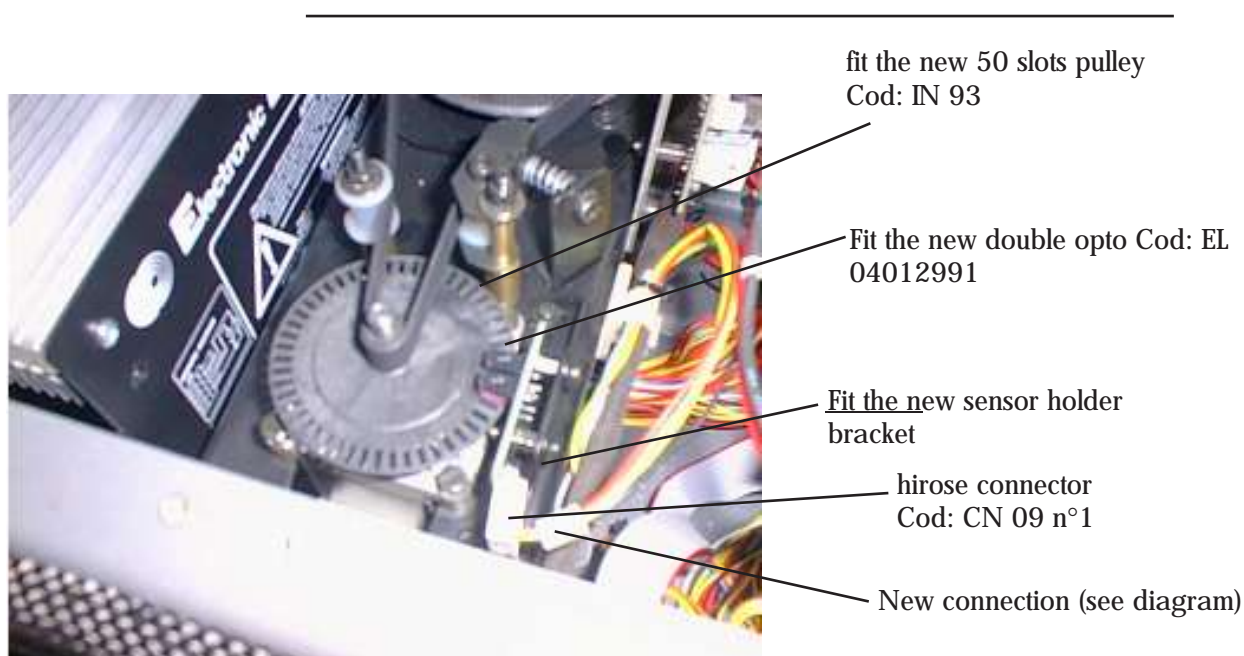
### Base

1. Open the base of the unit
2. Locate the area where you should work: encoder and opto (double sensor)



PICTURE 1

3. remove the 25 slots encoder pulley (code IN34/1L)
4. remove the opto holder bracket (code 8720.27)
5. remove the double opto (code CE97R1/L)
6. cut sensor's cables



PICTURE 2

7. fit the new 50 slots encoder (code IN93)
8. fit the new double opto (code EL04012991)
9. fit the new sensor holder bracket
10. connect the hirose connector by using the dedicated pliers, following the diagram 187/3/2, cable number 23 encoder side



substitute old memory boards with these new versions  
MASTER EP 892  
EFFECTS EP 992  
GOBO EP 1002  
These new memories must be installed and used only  
with the new encoder

PICTURE 3

11. remove the PCB from its housing and replace the memories  
with the following:

MASTER EP 892  
EFFECTS EP 992  
GOBO EP 1002

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New opto connection: see diagram  
187, subdiagram 3, modification 3

PICTURE 4

12- connect the encoder wires for base and yoke as shown in  
diagram 187/3/3 wires 23 and 22

## Yoke

1. Open the side of the yoke where the motor is located.
  2. Locate the area where you should work: encoder and opto (double sensor)
- 

cut the sensor's wires



Substitute double opto  
Cod: CE97R1/1L

Remove opto holder bracket  
Cod: 8720.66 n°1

Remove 25 slots encoder pulley  
Cod: IN34AMODEL

PICTURE 5

3. remove the opto holder bracket (code 8720.66)
  4. remove the 25 slots encoder (code IN34AMODEL)
  5. cut sensor's cables
- 



Hirose connector Cod: CN 09  
see diagram for connection.

Double opto Cod: EL 0401299

New sensor holder bracket

New 50 slots encoder pulley  
Cod: IN 93

PICTURE 6

6. fit the new 50 slots encoder (code IN93)
7. fit the new double opto (code EL04012991)
8. fit the new sensor holder bracket
9. connect the hirose connector by using the dedicated pliers, following the diagram 187/3/2, cable number 22 encoder side

Test

Switch on the unit and test all the functions especially pan and tilt motors, then close the unit.

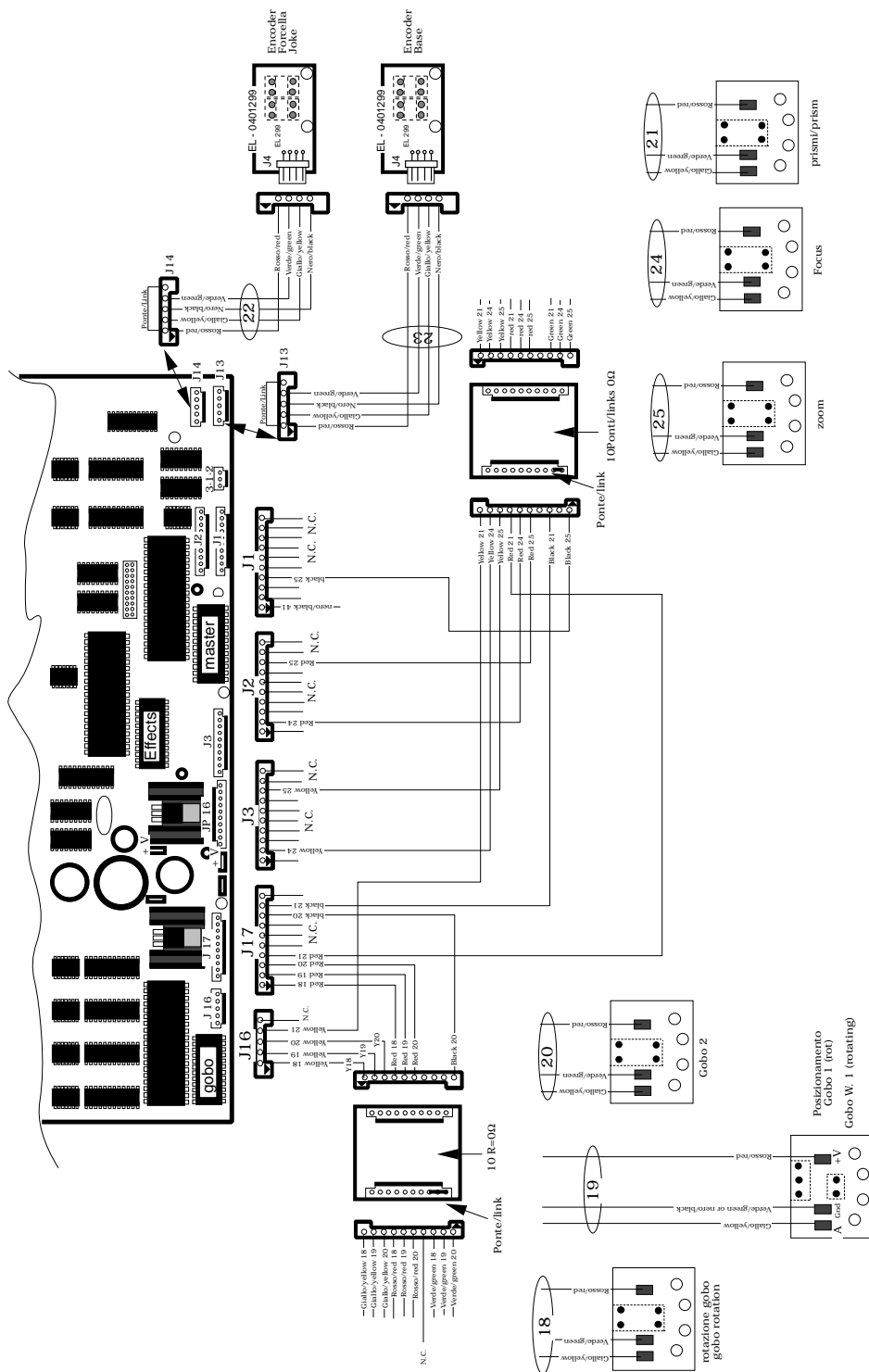
Code to order the complete kit: GKIT54

All the units manufactured from 1<sup>st</sup> of January 2002 will be fitted with this mechanical modification and new memories.

Modified units can be used together with units not modified; no differences will be particularly manifest but for a more accurate repeatability of the programmed positions.

For any technical information referred to this notice, feel free to contact our personnel at the technical department.

Coemar S.p.A.  
FAUSTO ORSATTI  
*Technical Department*



3	18/01/02	Disegnato da: A. De Luca, M. De Luca	Link su conversione PANTILE
	18/01/02	Verificato: Paolo Casali	
2	07/12/01	Disegnato da: Paolo Casali	Non encoder - sensori
	13/07/01	Verificato: Paolo Casali	
1	13/07/01	Disegnato da: Paolo Casali	Di motore Onco a sensorio magnetico
	13/07/01	Verificato: Paolo Casali	
NOI DATI			DESCRIZIONE
			MODIFICHE

coemar  
 CASTEL GOFREDO (MN) ITALIA  
 VIA INGHERIZZERAZIONE EST  
 46030 72017 loc. (0576) 806007  
 DESCRIZIONE: Pannello di controllo  
 PER CODICE: Pannello di controllo

UNIVERSITÀ DEGLI STUDI DI BRESCIA  
 CP 7 Pavia Edge  
 (Pavia) (COMPTON)  
 SCHEMA NO.: 187  
 SOTTOSCHEMA NO.: 3