

**Scale model for aerobatics**

# CAP 232

Order N°: 02019

Manufactured by:

**TOPMODEL CZ**

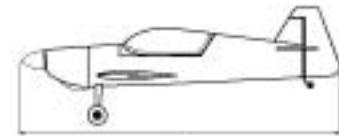
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[www.topmodelcz.cz](http://www.topmodelcz.cz)

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1930mm

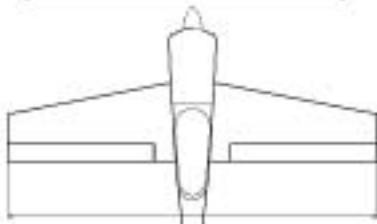


Radio system you'll need :

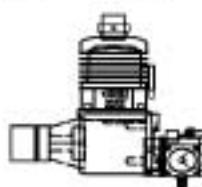


4- 6 channel  
with  
5 - 6 servos

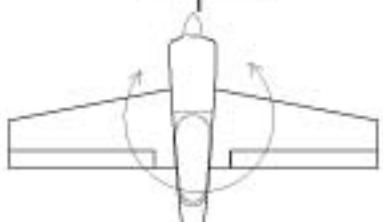
2070mm



78dm<sup>2</sup>  
87-93 g/dm<sup>2</sup>



25 - 40 ccm



6,8 - 7,2kg



NACA 64A014

Není-li uvedeno jinak, všechny  
neoznačené míry jsou v milimetrech  
**UNLESS STATED, ALL DIMENSIONS  
ARE IN MILLIMETERS**

| Položka | Název dílu             | Materiál, rozměr  | Volně / ks            | Balítek / ks               |
|---------|------------------------|---|-----------------------|----------------------------|
|         | výkresová dokumentace  |   | 01                    | -                          |
| 1       | trup                   | bals konstrukce, polystyren, překližka  | 01                    | -                          |
| 1-1     | kryt výškovky          | laminát   | 01                    | -                          |
| 1-2     | držák serva            | překližka 4x197x203 mm  | -                     | 01                         |
| 1-3     | držák serva motoru     | překližka 4x34x71 mm  | -                     | 02                         |
| 1-4     | přechod křídla         | laminát   | 02                    | -                          |
| 2       | křídlo                 | balsa konstrukční   | 02                    | -                          |
| 2-1     | křidélko               | balsa konstrukční   | 02                    | -                          |
| 2-2     | šroub křídla           | ocel M6 x 60 mm   | -                     | 02                         |
| 2-3     | zapichovací matice     | M6  | -                     | 02                         |
| 2-21    | arctační kolík         | Al Ø 12 mm l = 50 mm  | -                     | 01                         |
| 2-25    | arctační kolík křídla  | buk Ø 8 mm l = 100 mm   | -                     | 02                         |
| 2-24    | spojka křídla          | Al Ø 30 x 1 mm l = 530 mm   | 01                    | -                          |
| 2-4     | držák serva křidélka   | překližka zálepeno v křídle   | -                     | -                          |
| 2-5     | ovládání křidélka      | závitová tyč M 3 l = 70 mm, matice M3<br>uhlíková trubka Ø 5 mm l = 60 mm   | -<br>-                | 02 + 02<br>02              |
| 2-6     | vidlička kovová        | MPJ 2143, kov M3  | -                     | 04                         |
| 2-8     | páka křidélka          | sklotextit 2 mm   | -                     | 02                         |
| 3       | VOP                    | balsa konstrukční   | 01                    | -                          |
| 3-2     | šroub výškovky         | Plast M5 x 40   | -                     | 02                         |
| 3-25    | arctační kolík         | buk Ø 6 mm l = 50 mm  | -                     | 01                         |
| 3-3     | zapichovací matice     | M 5   | -                     | 02                         |
| 3-5     | ovládání výškovky      | závitová tyč M 3 l = 70 mm<br>uhlíková trubka Ø 5/3 l = 60 mm   | -<br>-                | 02<br>02                   |
| 3-7     | kulová koncovka        | M 3   | -                     | 04                         |
| 3-8     | páka výškovky          | sklotextit 2 mm   | -                     | 02                         |
| 4       | SOP                    | balsa konstrukční   | 02                    | -                          |
| 4-1     | ovládání směrovky      | lanko Ø 0,75 mm<br>vidlička kovová M3 MPJ 21 43<br>spojka lanka M3 MPJ 20 60<br>matice M3<br>mosaz Ø 3/2 mm l = 10 mm | -<br>-<br>-<br>-<br>- | 01<br>02<br>02<br>02<br>04 |
| 4-11    | krytka těla            | MPJ 27 10   | -                     | 02                         |
| 4-2     | páka směrovky          | sklotextit 2 mm   | -                     | 02                         |
| 551     | palubní deska          | papír   | 01                    | -                          |
| 6       | kuhina                 | folie 1,0 mm  | 01                    | -                          |
| 7       | obtisky                |   | 01                    | -                          |
| 8       | kryt kola              | laminát   | 02                    | -                          |
| 8-1     | osa kola               | závitová tyč M 5 l = 65 mm,<br>matice M5 + podložka   | -<br>-                | 02<br>04 + 04              |
| 8-3     | fixace kola            | distanční kroužek, podložka   | -                     | 04 + 02                    |
| 9       | motorový kryt          | laminát   | 01                    | -                          |
| 9-0     | uchycení krytu         | vrat 2,9x9,5 mm   | -                     | 07                         |
| 9-1     | držák motorového krytu | překližka 6mm   | -                     | 01 + 07                    |
| 9-21    | táhlo plynu            | Závitová tyč M 2 l = 90 mm<br>kulová koncovka M 2 Modellstudio<br>vidlička kovová M 2 MPJ 21 41<br>matice M2          | -<br>-<br>-<br>-      | 01<br>01<br>01<br>01       |
| 10      | podvozek               | Al 6 mm   | 01                    | -                          |
| 10-2    | uchycení podvozku      | šroub M4x16, matice, podložka   | -                     | 03+03+03                   |
| 10-3    | osruha                 | komplet   | -                     | 01                         |
| 10-31   | páka ovládání osruhy   | sklotextit  | -                     | 01                         |
| 11      | závěsy komidel         | MPJ 2502 N  | -                     | 17                         |

**UPOZORNĚNÍ :**

Tato stavebnice není hračka – není vhodná pro děti do 14 let.

Její nesprávné použití může způsobit materiální škody, nebo zranění osob.

Při užívání modelu jste plně zodpovědní za případné škody.

Letejte v bezpečné vzdálenosti od obydlených oblastí.

Ujistěte se, že nikdo jiný nemá zapnutou stejnou frekvenci.

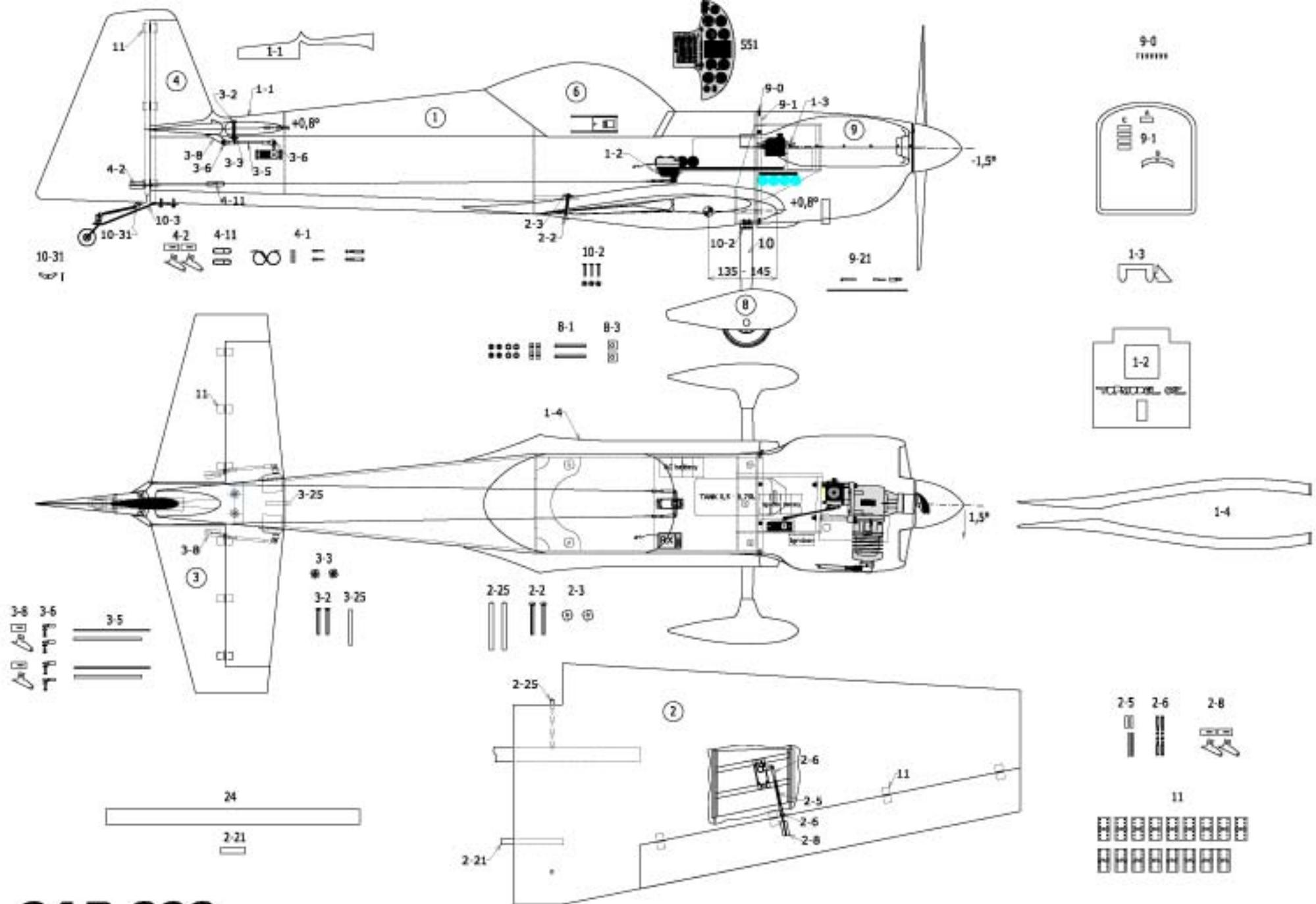
| Part # | Part name              | Material, dimensions  | Loose                 | In bag                     |
|--------|------------------------|---|-----------------------|----------------------------|
|        | general plan           |   | 01                    | -                          |
| 1      | fuselage               | balsa-foam-plywood assembly   | 01                    | -                          |
| 1-1    | stabilizer cover       | fibreglass  | 01                    | -                          |
| 1-2    | servo tray             | plywood 4 x 197 x 203 mm  | -                     | 01                         |
| 1-3    | throttle servo tray    | plywood 4 x 34 x 71 mm  | -                     | 02                         |
| 1-4    | wing saddle            | fibreglass  | 02                    | -                          |
| 2      | wing                   | balsa assembly  | 02                    | -                          |
| 2-1    | aileron                | balsa assembly  | 02                    | -                          |
| 2-2    | wing fixing screw      | steel M6 x 60 mm  | -                     | 02                         |
| 2-3    | captive nut            | M6  | -                     | 02                         |
| 2-21   | centering pin          | alu tube Ø 12 mm l = 50 mm  | -                     | 01                         |
| 2-25   | centering pin          | dowel Ø 3 mm l = 100 mm   | -                     | 02                         |
| 2-24   | wing joiner            | Alu tube Ø 30 x 1 mm l = 530 mm   | 01                    | -                          |
| 2-4    | servo aileron mount    | plywood (glued inside the wing)   | -                     | -                          |
| 2-5    | aileron pushrod        | threaded rod M3 l = 70 mm<br>carbon tube Ø 5 mm l = 60 mm   | -                     | 02                         |
| 2-6    | clevis                 | MPJ 2143, metal M3  | -                     | 04                         |
| 2-8    | aileron horn           | epoxy plate 2 mm  | -                     | 02                         |
| 3      | horizontal stabilizer  | balsa assembly  | 01                    | -                          |
| 3-2    | stab. fixing screw     | nylon M5 x 40   | -                     | 02                         |
| 3-25   | centering pin          | dowel Ø 6 mm l = 50 mm  | -                     | 01                         |
| 3-3    | captive nut            | M 5   | -                     | 02                         |
| 3-5    | elevator link          | threaded rod M3 l = 70 mm<br>carbon tube Ø 5/3 l = 60 mm  | -                     | 02                         |
| 3-7    | ball clevis            | M 3   | -                     | 04                         |
| 3-8    | elevator horn          | epoxy plate 2 mm  | -                     | 02                         |
| 4      | vertical tail          | balsa assembly  | 02                    | -                          |
| 4-1    | rudder control         | cables Ø 0,75 mm<br>metal clevis M3 MPJ 21 43<br>metal extender M3 MPJ 20 60<br>nut M3<br>brass tube Ø 3/2 mm l = 10 mm | -<br>-<br>-<br>-<br>- | 01<br>02<br>02<br>02<br>04 |
| 4-11   | exit rudder control    | MPJ 27 10   | -                     | 02                         |
| 4-2    | horn rudder            | epoxy plate 2 mm  | -                     | 02                         |
| 551    | cockpit interior       | paper   | 01                    | -                          |
| 6      | canopy                 | celluloid 1,0 mm  | 01                    | -                          |
| 7      | stickers               |   | 01                    | -                          |
| 8      | wheel cover            | fibreglass  | 02                    | -                          |
| 8-1    | wheel axle             | threaded rod M5 l = 65 mm,<br>nut M5 + washer   | -<br>-                | 02<br>04 + 04              |
| 8-3    | wheel fixing           | wheel collar + plywood  | -                     | 04 + 02                    |
| 9      | engine cowl            | fibreglass  | 01                    | -                          |
| 9-0    | engine cowl fixing     | wood screw 2,9 x 9,5 mm   | -                     | 07                         |
| 9-1    | engine cowl holder     | plywood 6mm   | -                     | 01 + 07                    |
| 9-21   | throttle linkage       | threaded rod M2 l = 90 mm<br>ball clevis M2 Modellstudio<br>clevis metal M2 MPJ 21 41<br>nut M2                         | -<br>-<br>-<br>-      | 01<br>01<br>01<br>01       |
| 10     | main gear              | aluminium 6 mm  | 01                    | -                          |
| 10-2   | landing gear fixing    | screw M4x16, captive nut, washer  | -                     | 03+03+03                   |
| 10-3   | tailwheel              | set with Ø 35 mm wheel  | -                     | 01                         |
| 10-31  | tailwheel control horn | epoxy plate   | -                     | 01                         |
| 11     | pinned hinge           | MPJ 2502 N  | -                     | 17                         |

## ATTENTION:

This model construction kit is not a toy and is not suitable for children under the age of 14.

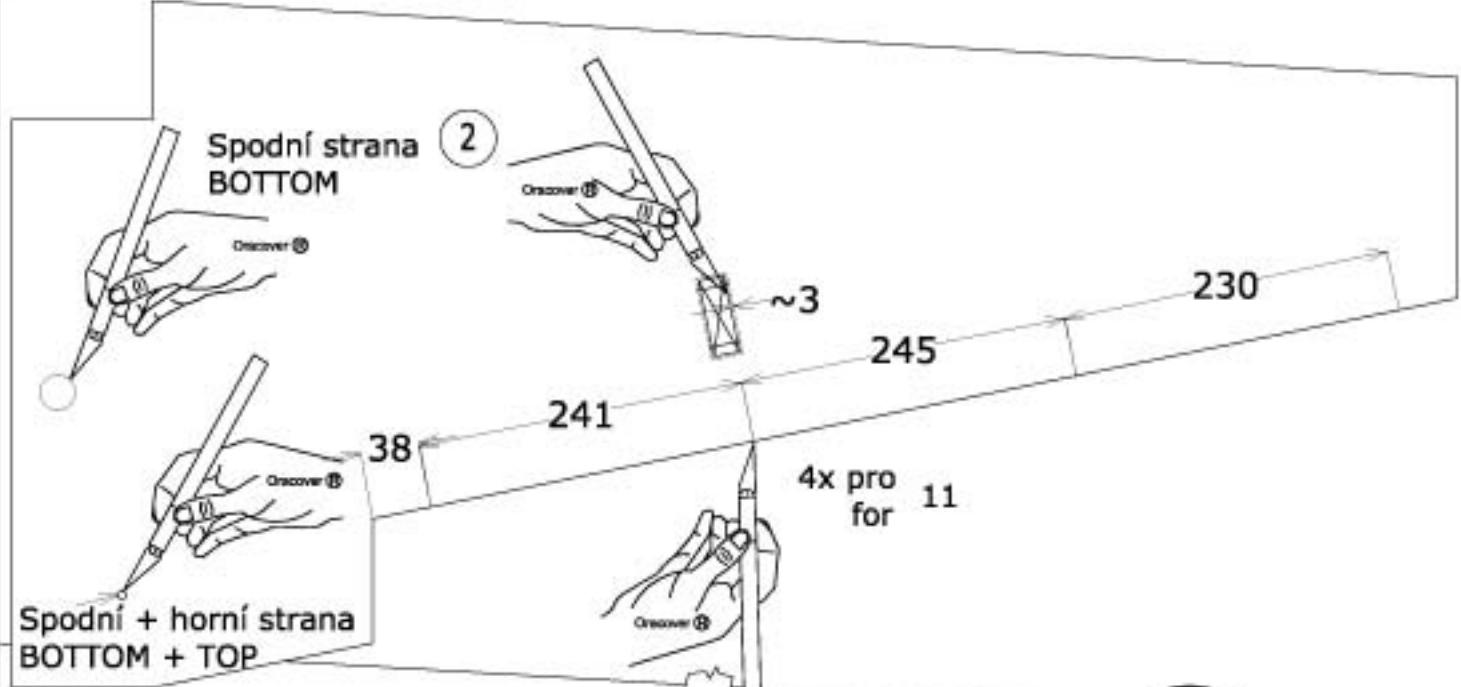
Incorrect use of this material could cause material damage or personal injury. You are fully responsible for your actions when you use this model.

Fly at a safe distance from occupied zones. Be sure that no one else is using the same frequency as you.

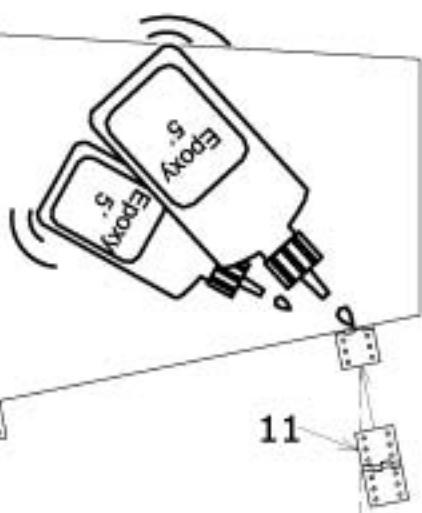


## CAP 232

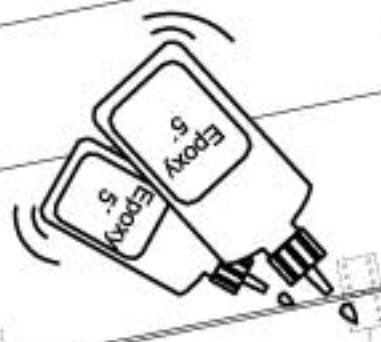
© I. 2008 TOPMODEL CZ Manufactured by TOPMODEL CZ s.r.o. 679 05 HABRŮVKA 72 - Better made in the Czech Republic  
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② **Spodní strana  
BOTTOM**



2-1

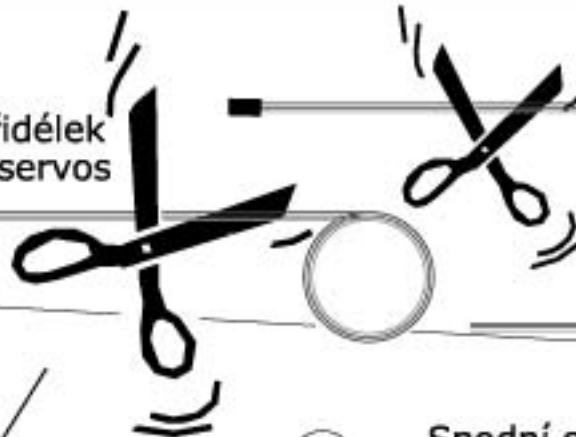


2

2-1

2x

~550 pro servo křidélek  
for ailerons servos



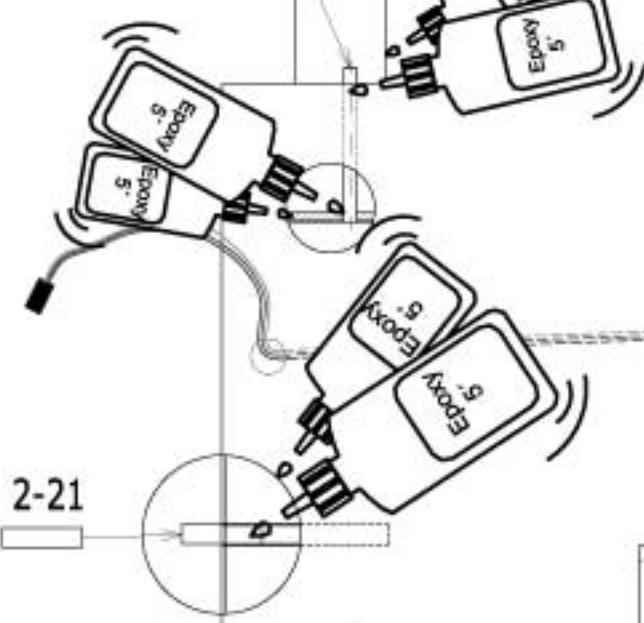
2

Spodní strana  
BOTTOM

$\frac{1}{2}$

3 4

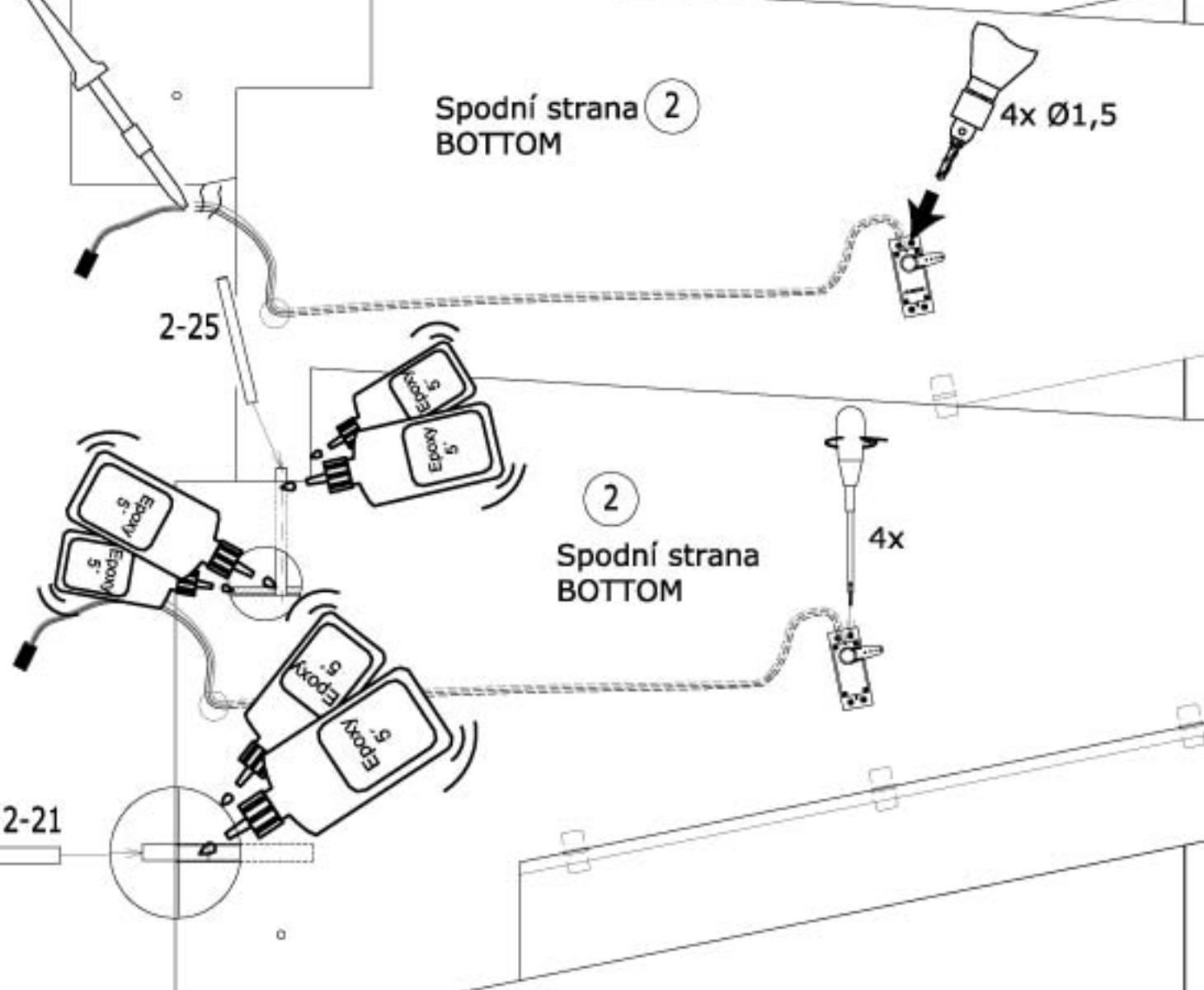
2-25



2

Spodní strana  
BOTTOM

4x Ø1,5



2

Spodní strana  
BOTTOM

Ø2

pro  
for 2-8

2

Spodní strana  
BOTTOM

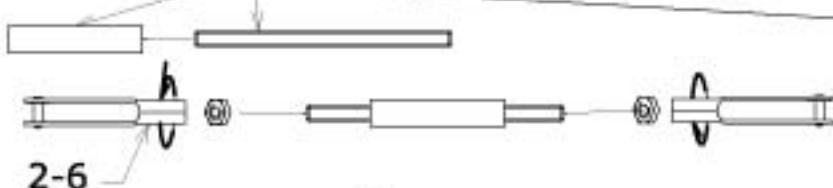


2-8

2-5

2

2-6



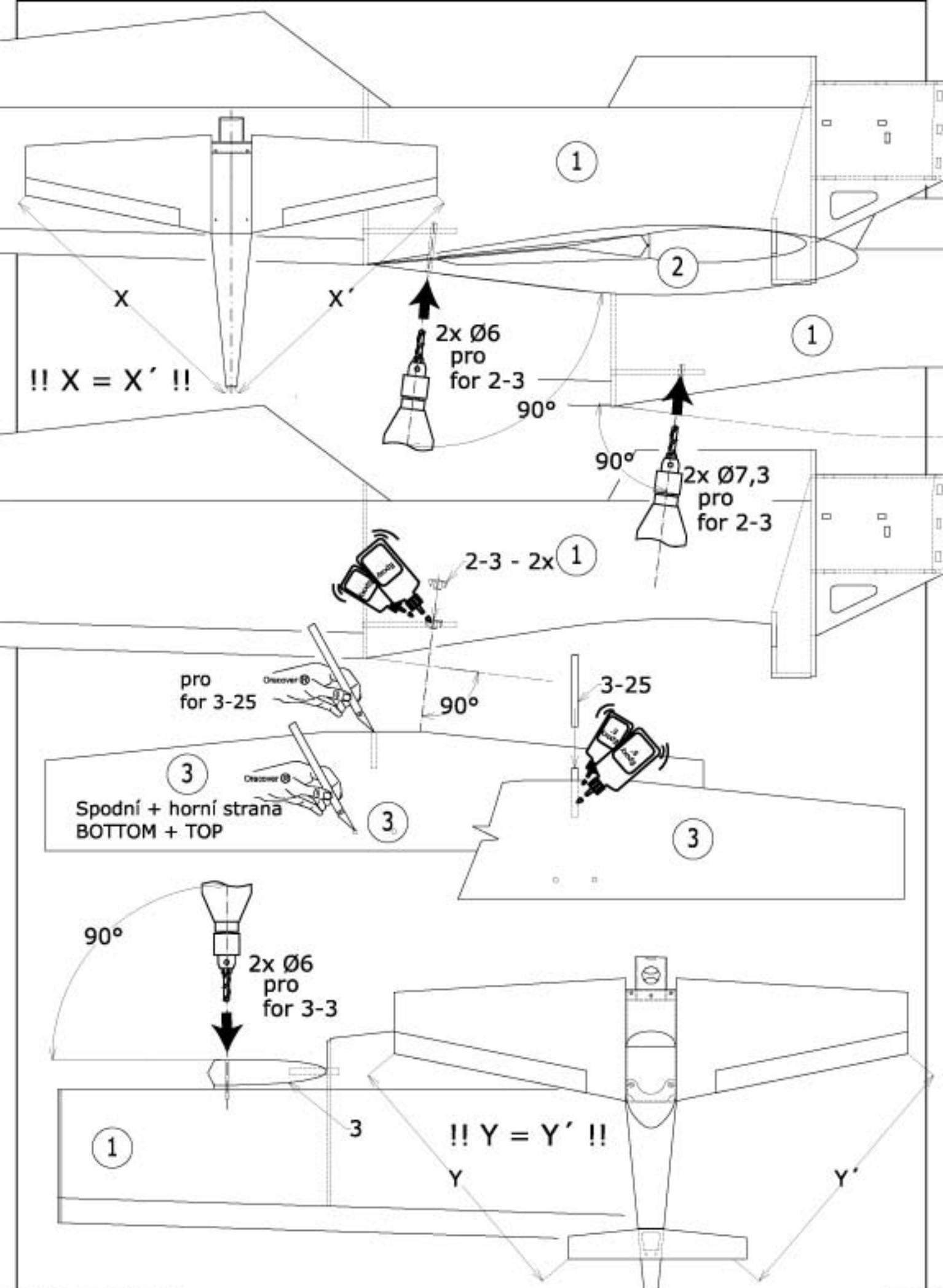
2-6

2-5

2-6

2-8





90°

2x Ø6,3

pro  
for 3-3



3-3 - 2x

1/2

1 Spodní strana  
BOTTOM

1

10

3x Ø4,1  
pro  
for 10-2

1

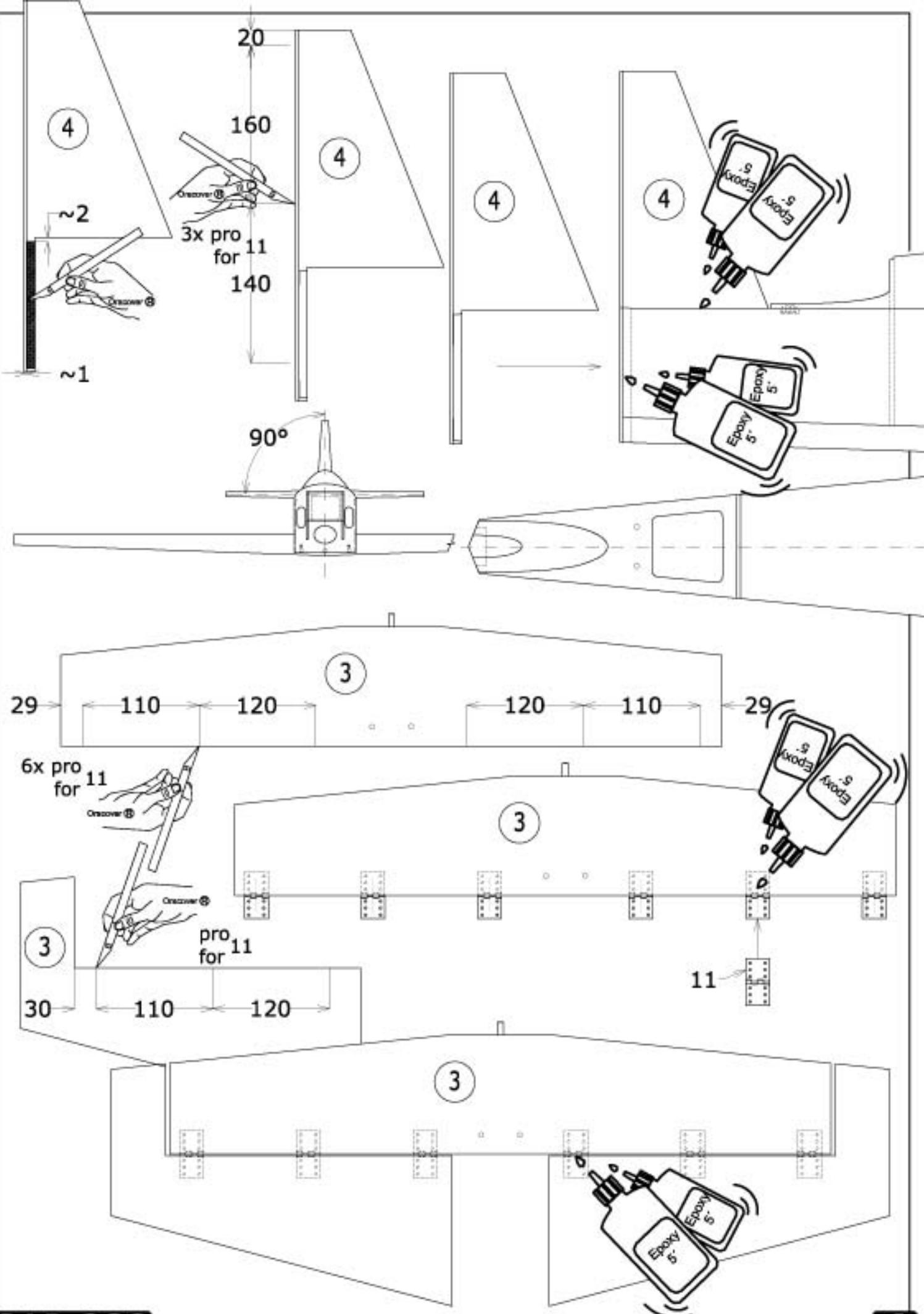
10

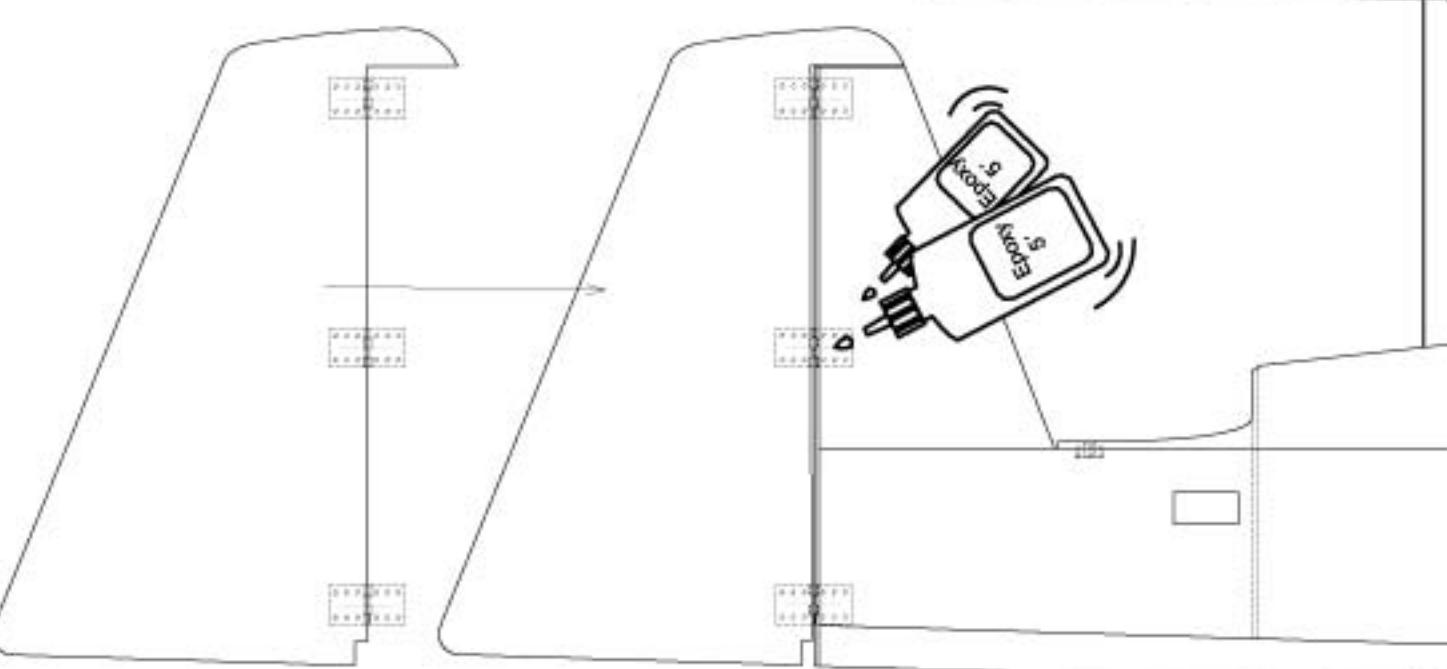
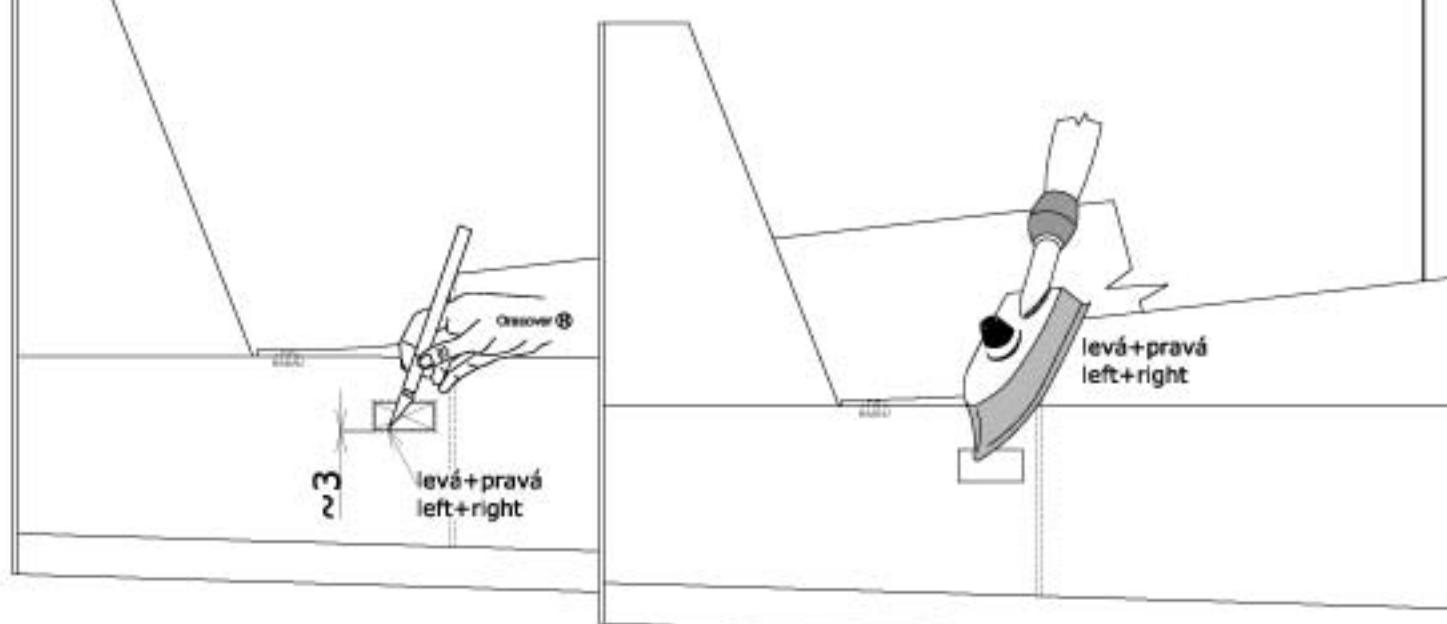
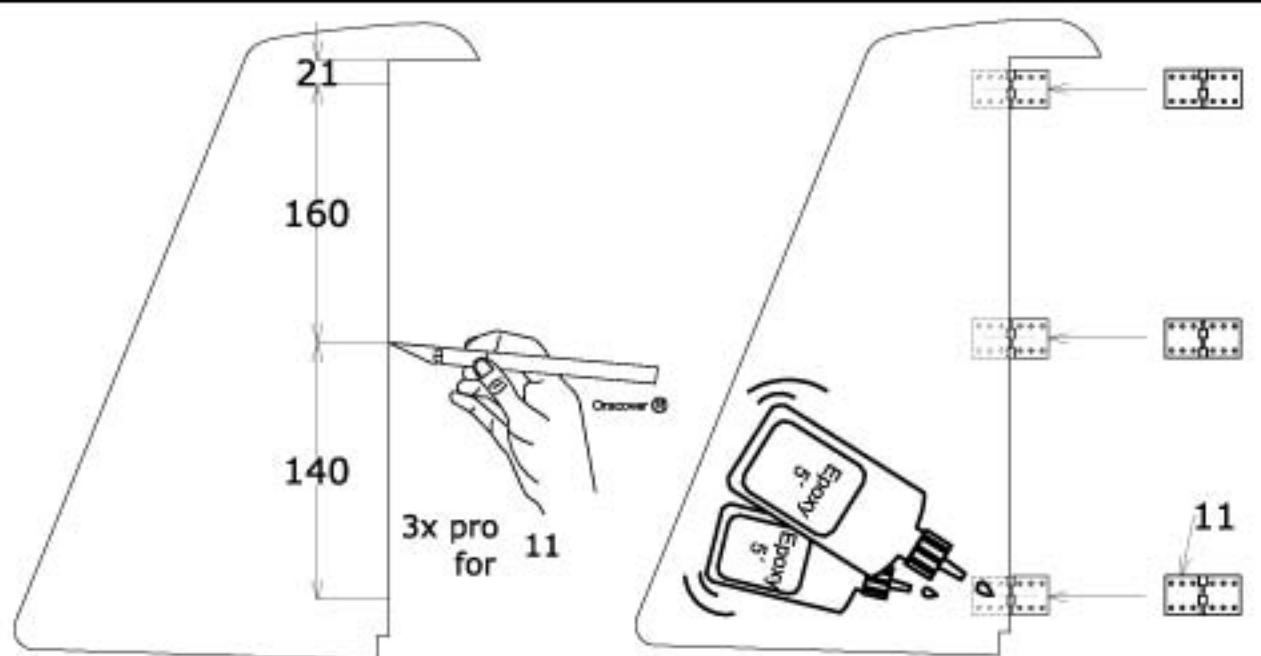
3x Ø5,5  
pro  
for 10-2

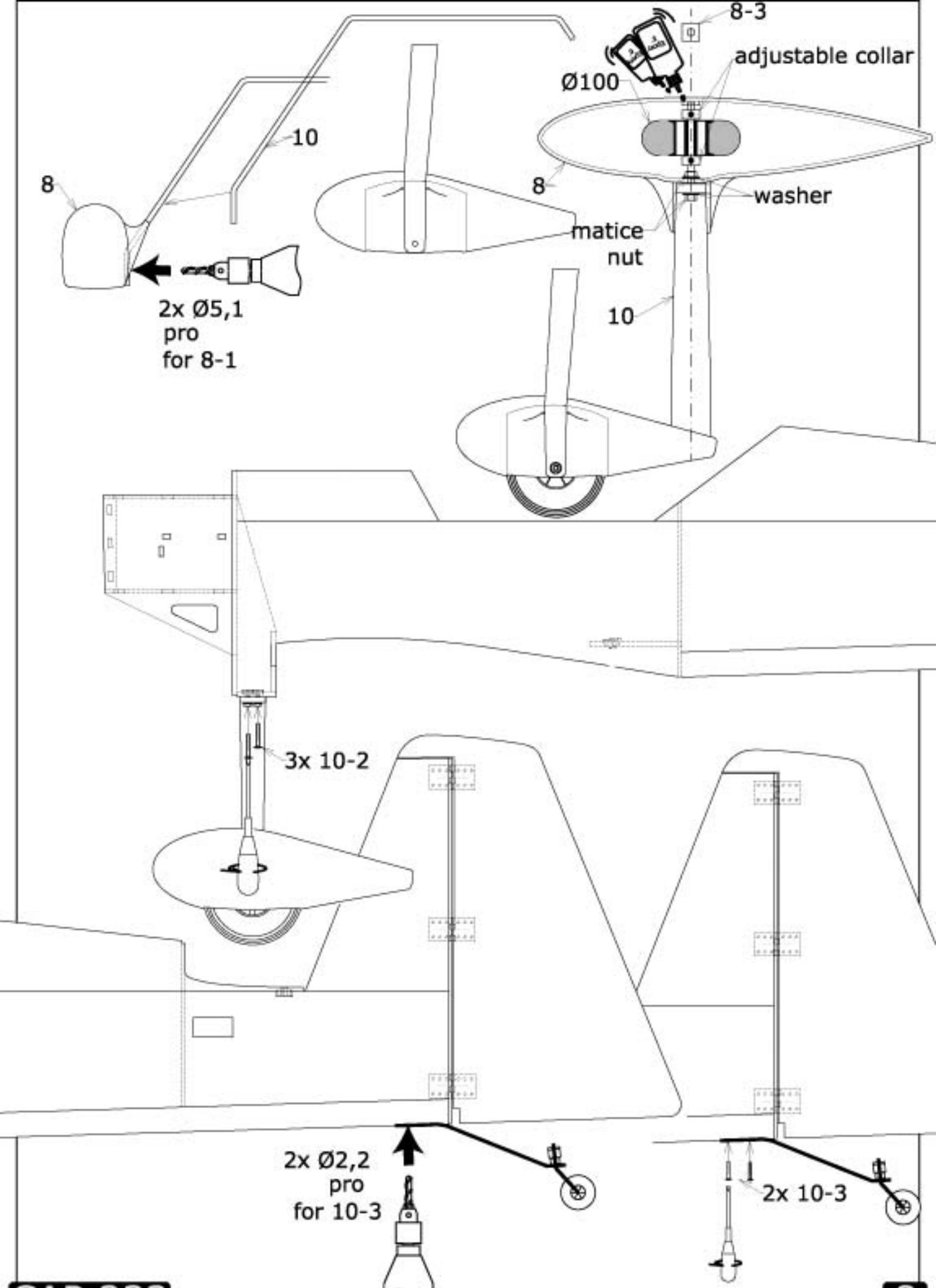
1

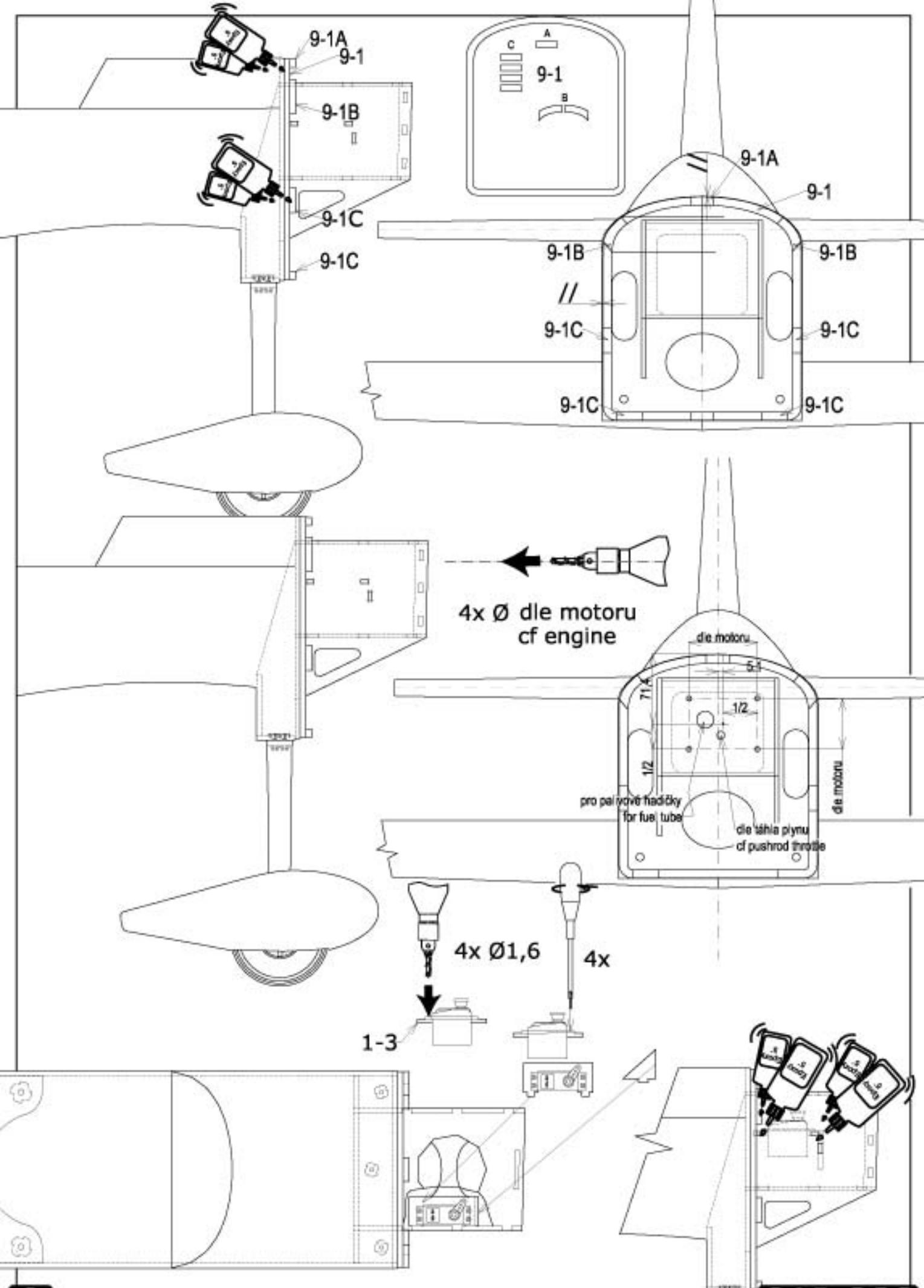
10-2 - 3x

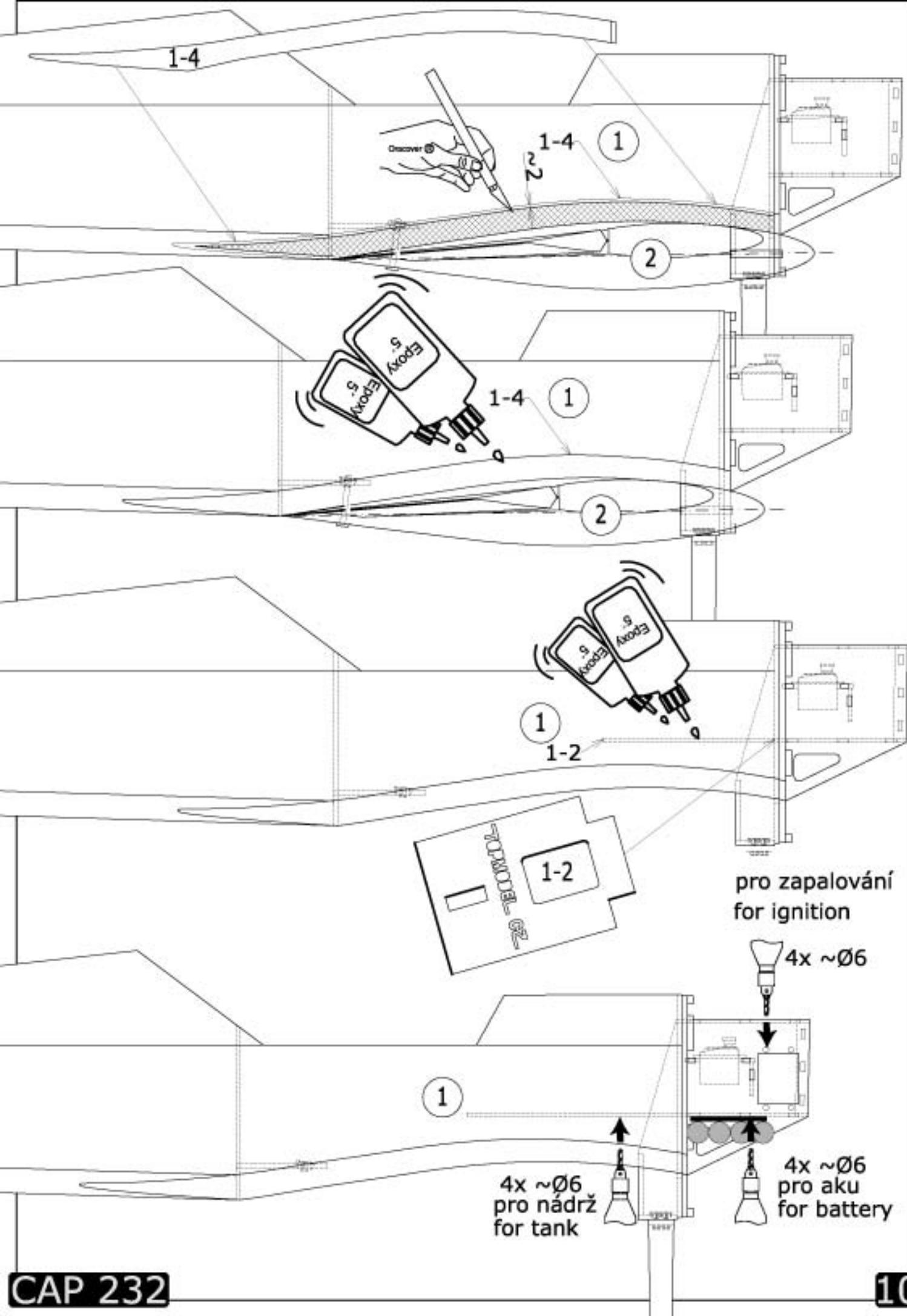


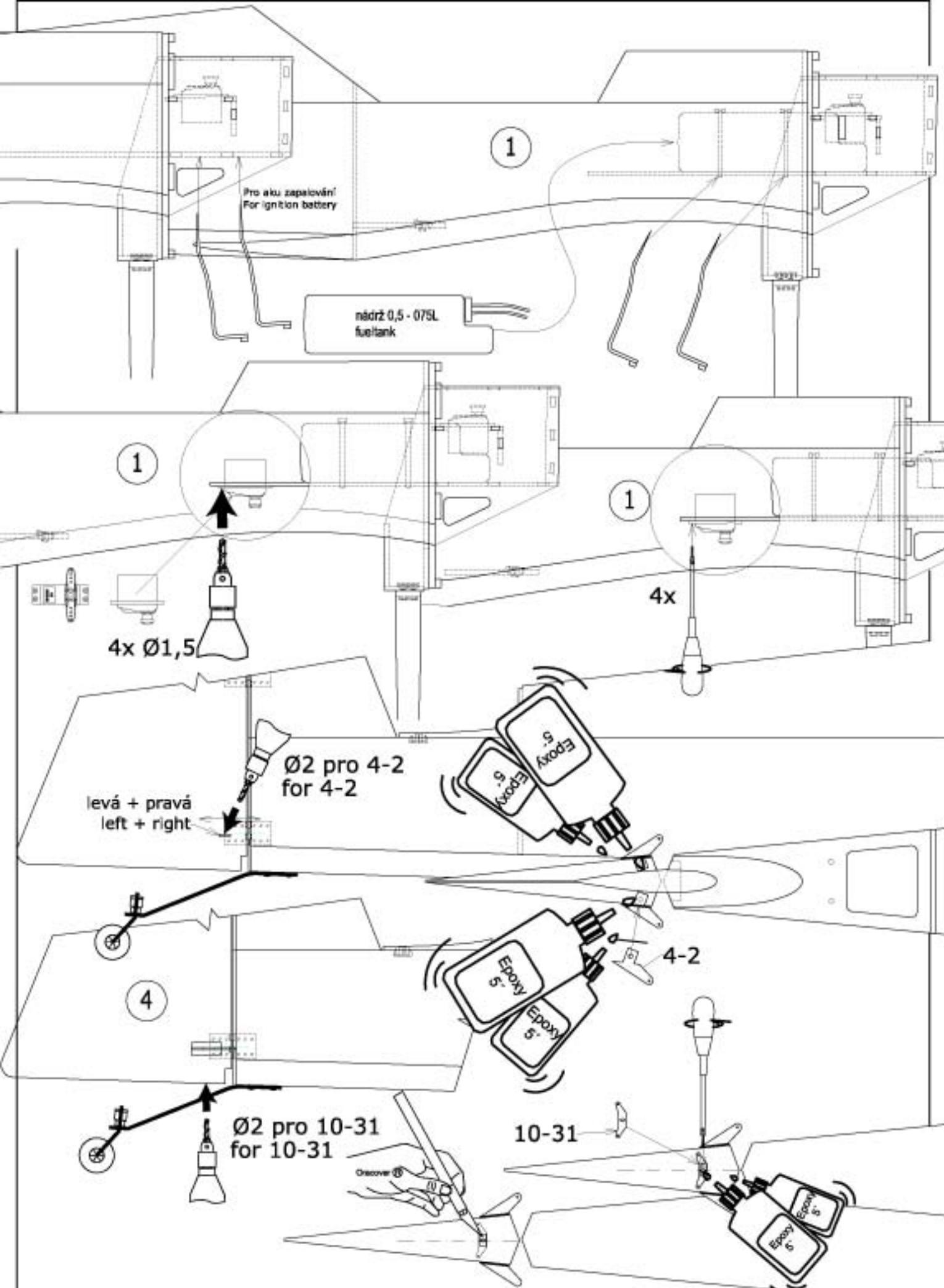


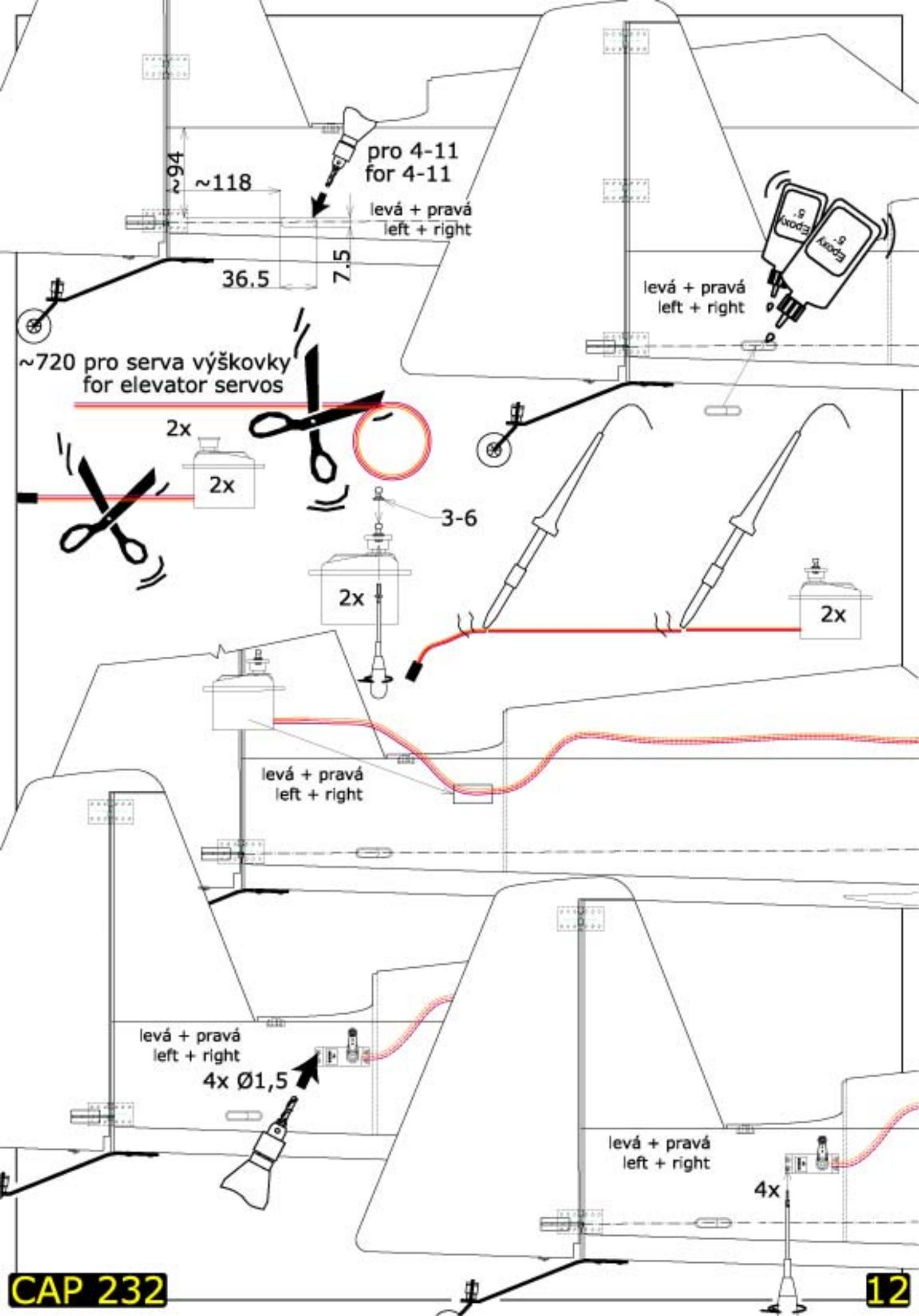


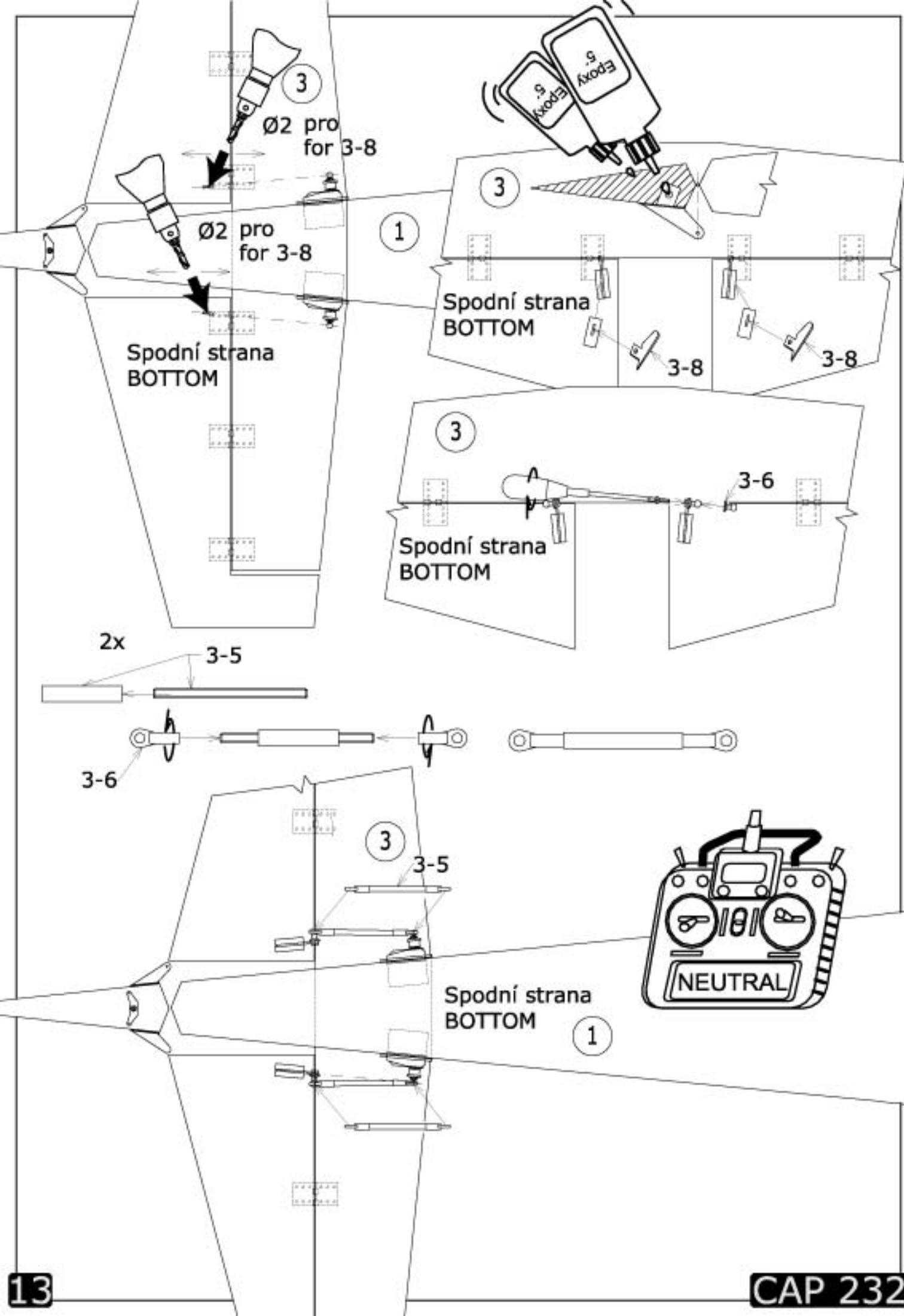


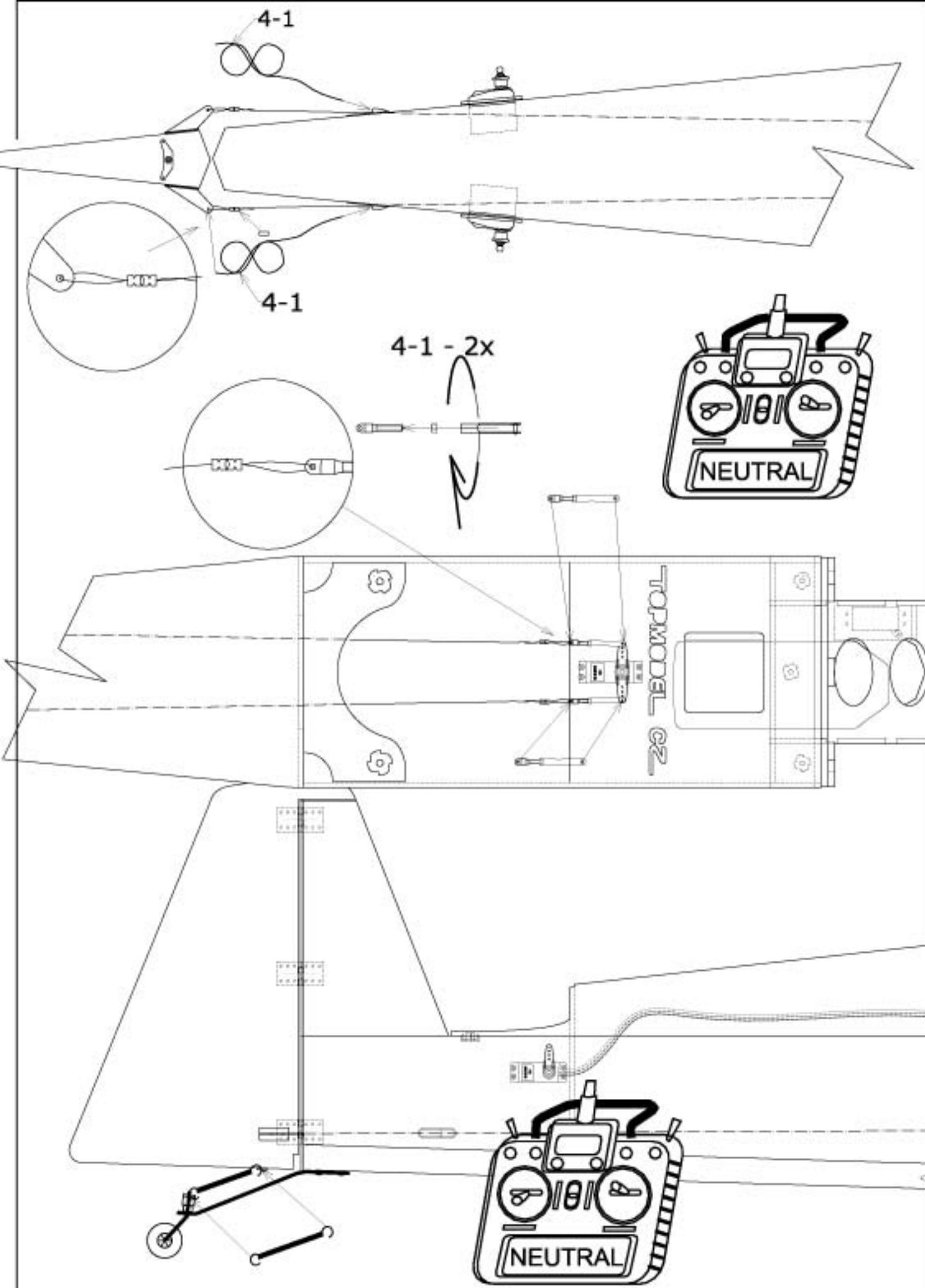












4x matice M5  
4x nut M5

9-21

4x matice M5  
4x nut M5

9-21

