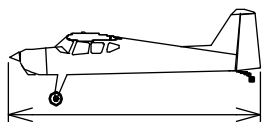


Miss MORAVA

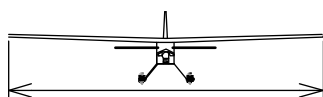
TOWING MACHINE



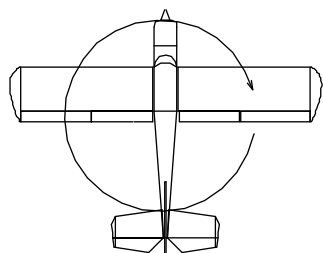
Order N°: 02046



1960 mm



2420 mm

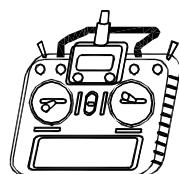


99,5dm²
73-85,4 g/dm²

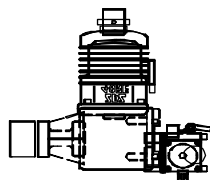


7,5 - 8,5 kg

Radio system you'll need :



6-channel
with
8-10 servos



30 - 55 ccm



NACA 4412

Není-li uvedeno jinak, všechny
neoznačené míry jsou v milimetrech
UNLES STATED, ALL DIMENSIONS
ARE IN MILIMETERS

Manufactured by:

TOPMODEL CZ

679 05 HABRŮVKA 100 - CZECH REPUBLIC

www.topmodelcz.cz

e-mail: info@topmodelcz.cz

Part No.	Part name	Material, dimensions	Loose	In bag
	building plan	A1	01	-
1	fuselage	balsa- plywood assembly	01	-
1-2	elevator & rudder servo tray	plastic 3 x 62 x 80 mm	-	03
1-21	servo tray screw	wood screw 2,9 x 9,5 mm		12
1-22	servo holder	polyurethan 20 mm	-	06
1-23	servo strap	fiberglass 1,5x14x64 + screw M3x25	-	03 + 06
1-3	tank holder	plywood 3x100x180 mm	-	01
1-4	RX holder	plywood 3x55x112 mm	-	01
1-5	fuselage cover	plastic 3x172x200	-	01
1-51	fixing fuselage cover	dowel ϕ 4x30, hatch latch	-	03 + 02
2	wing	balsa assembly	02	-
24	wing joiner	alu tube $\varnothing$ 35, length 630 mm	01	-
2-1	aileron	balsa assembly	02	-
2-11	flap	balsa assembly	02	-
2-21	centering pin	alu tube $\varnothing$ 12 mm l = 320 mm	-	02
2-23	wing end plates	plastic 6 mm	02	-
2-3	hook	$\varnothing$ 3 mm	-	02
2-4	ailerons & flaps servo tray	plastic 3 x 62 x 80 mm	-	04
2-41	servo tray screw	wood screw 2,9 x 9,5 mm	-	16
2-42	servo holder	polyurethan 20 mm	-	08
2-43	servo strap	fiberglass 1,5x14x64 + screw M3x25mm	-	04 + 08
2-5	aileron & flap pushrod	threaded rod M3, length 48 mm, carbon tube ϕ 5/3 L=25	-	04 + 04
2-6	clevis	metal M3 + nut M3	-	08 + 08
2-8	aileron horn	fiberglass plate 2 mm	-	02
2-81	flap horn	fiberglass plate 2 mm	-	02
2-82	flap hinge	fiberglass plate 1,5 mm	-	12
2-83	flap hinge	fiberglass plate 2 mm	-	04
2-84	shaft hinge	MPJ 4820	-	06
2-85	backlash washer	fiberglass plate 1 mm	-	12
3	horizontal stabilizer	balsa assembly	02	-
3-3	elevator joiner	alu tube $\varnothing$ 12/10 mm , length 290 mm	-	01
3-31	centering pin	dowel $\varnothing$ 5 mm x 30 mm	-	02
3-4	elevator fixing	screw M3 x 12mm	-	02
3-5	elevator pushrod	threaded rod M3, length 180 mm, carbon tube ϕ 5/3 L=138	-	02+02
3-6	clevis	metal M3 + nut M3+ball link M3		02+02+02
3-8	elevator horn	fiberglass plate 2 mm	-	02
4	vertical tail	balsa assembly	01	-
4-5	rudder pushrod	threaded rod M3, length 67 mm, carbon tube ϕ 5/3 L=43 mm	-	01+01
4-6	clevis	metal M3 + nut M3	-	02+02
4-8	rudder horn	fiberglass plate 2 mm	-	01
6	canopy	plastic 1mm	03	-
6-1	canopy fixing	screw $\varnothing$ 2,2x6,5mm	-	14
7	stickers		01	-
8-2	wheel axle	MPJ 2872	-	02
8-3	wheel fixing	wheel collar	-	02
9	engine cowl	fiberglass	01	-
9-0	engine cowl fixing	wood screw 2,9 x 9,5 mm	-	05
9-21	throttle linkage	fiberglass $\varnothing$ 2 mm, length 330 mm	01	-
9-22	clevis	metal M2 + MPJ 2012	-	02+02
10	main gear	aluminium 4 mm	01	-
10-2	landing gear fixing	screw M4 x 16 mm + blind nut + washer	-	03 + 03 + 03
10-3	tailwheel	with shock absorber, steerable, wheel $\varnothing$ 35 mm	-	01
11	hinge	MS124024	-	15

Položka	Název dílu	Materiál, rozměr	Volně / ks	Balíček/ ks
	montážní návod		01	-
1	trup	balsa konstrukční	01	-
1-2	držák serv SOP + VOP	plast 3 x 62 x 80	-	03
1-21	upevnění držáku	vrut ϕ 2,9 x 6,5	-	12
1-22	aretace serva	polyuretan 20mm	-	06
1-23	upevnění serva	sklotextit 1,5x14x64 + šroub M3x25	-	03+06
1-3	deska nádrže	Př. 3x100x180	-	01
1-4	držák přijímače	Př. 3x55x112	-	01
1-5	kryt trupu	plast 3x172x200	-	01
1-51	upevnění krytu	buk ϕ 4x30, zámeček	-	03+02
2	křídlo	balsa konstrukční	02	-
24	spojka křídla	dural ϕ 35mm L = 630mm	-	01
2-1	křídélko	balsa konstrukční	02	-
2-11	vztlaková klapka	balsa konstrukční	02	-
2-21	aretační trubka	dural ϕ 12 mm L =325 mm	-	01
2-3	zajištění křídla	háček ϕ 3mm	-	02
2-4	držák serv křídélka a klapky	plast 3 x 62 x 80	-	04
2-41	upevnění držáku	vrut ϕ 2,9 x 6,5	-	16
2-42	aretace serva	polyuretan 20mm	-	08
2-43	upevnění serva	sklotextit 1,5x14x64 + šroub M3x25	-	04+08
2-5	táhlo křídélka a klapky	M3 L = 48mm, uhlík ϕ 5/3 L=25	-	04+04
2-6	koncovka táhla	kovová M3, matice M3	-	08+08
2-8	páka křídélka	sklotextit 2 mm	-	02
2-81	páka klapky	sklotextit 2 mm	-	02
2-82	závěs klapky	sklotextit 1,5mm	-	12
2-83	závěs klapky	sklotextit 2mm	-	04
2-84	čep závěsu	MPJ 4820	-	06
2-85	distanční podložka	sklotextit 1mm	-	12
3	výškovka	balsa konstrukční	01	-
3-3	spojka výškovky	dural ϕ 12mm l=290 mm	-	01
3-31	aretační kolík	buk ϕ 5x 30mm	-	02
3-4	zajištění výškovky	šroub m3x12mm	-	02
3-5	táhlo výškovky	M3 L =155+ 180 mm, uhlík ϕ 5/3 L=138 + 157mm	-	01+01+01+01
3-6	koncovka táhla	kovová M3, matice M3, MPJ 2450	-	02+02+02
3-8	páka VOP	sklotextit 2 mm	-	02
4	směrovka	balsa konstrukční	01	-
4-5	táhlo směrovky	M3 L = 67mm, uhlík ϕ 5/3 L = 43mm	-	01+01
4-6	koncovka táhla	kovová M3, matice M3	-	02+02
4-8	páka SOP	sklotextit 2 mm	-	01
6	kabina	folie 1mm	03	-
6-1	upevnění kabiny	vrut ϕ 2,2x6,5	-	14
7	obtisky		05	-
8-2	hřídel kola	MPJ 2872	-	02
8-3	zajištění kola	MPJ	-	02
9	motorový kryt	laminát	01	-
9-0	uchycení krytu	vrut ϕ 2,9 x 9,5	-	05
9-21	táhlo motoru	laminát ϕ 2 L= 330mm	-	01
9-22	koncovka táhla	vidlička kov. M2, MPJ 2012	-	02+02
10	podvozek	dural 5 mm	01	-
10-1	uchycení podvozku	šroub M4x14, nárazecí matice	-	03+03
10-3	ostruha	komplet s kolem ϕ 35mm	-	01
10-31	páka ovládání ostruhy	sklotextit 2mm, vrut ϕ 2,9x18	-	01+01
11	závěsy křidélek	MS 124024	-	15

RECOMMENDED EQUIPMENT:

		Pieces		Item No www.topmodelcz.cz
Transmitter	7 channel			
Receiver	10 channel			
Servo	HS - 5625MG digi	3	for ailerons & tow hook	1HI3200
	HS - 5645MG digi	3	for flaps & rudder	1HI3210
	HS - 6635HB digi	2	for elevator	1HI3275
	HS-422	2	for engine + 1 for choke	1HI3075
Engine	MVVS 50 IRS ICU-L	1		3005L
	DLA 56		alternative engine	2DLA0056
Muffler	Compact exhaust for MVVS	1	for MVVS engine	3208I
	Silencer PSA-DLE 55		for DLA engine	K10350
Spinner:	Fiberglass spinners Ø80mm	1		020CT80A
Wheels	Airtop pneumatic wheels Ø100 mm	1 pair		10210060
Wheel cover	Wheel covers Tractor	1 pair		02095-8
Fuel tank	Fuel Tank Petrol w. Fittings 500 ml	1		7BA2050
Fuel tube	Tygon Fuel Tubing for Petrol 3/6 mm	1		7BA2055
Servo cable	Twisted cable - Large	5,1m		8GR3009
Connector	Connector MPX 6 plug	2		1M60500
Connector	Connector MPX 6 socket	2		1M60501
	MPX 6 connector holder	2		Nes001
Shrink tube	Thermo-Shrinkable insulation	0,7m		9001
Tow hook	Remote tow hook (plane)	1		066RTH

ATTENTION:

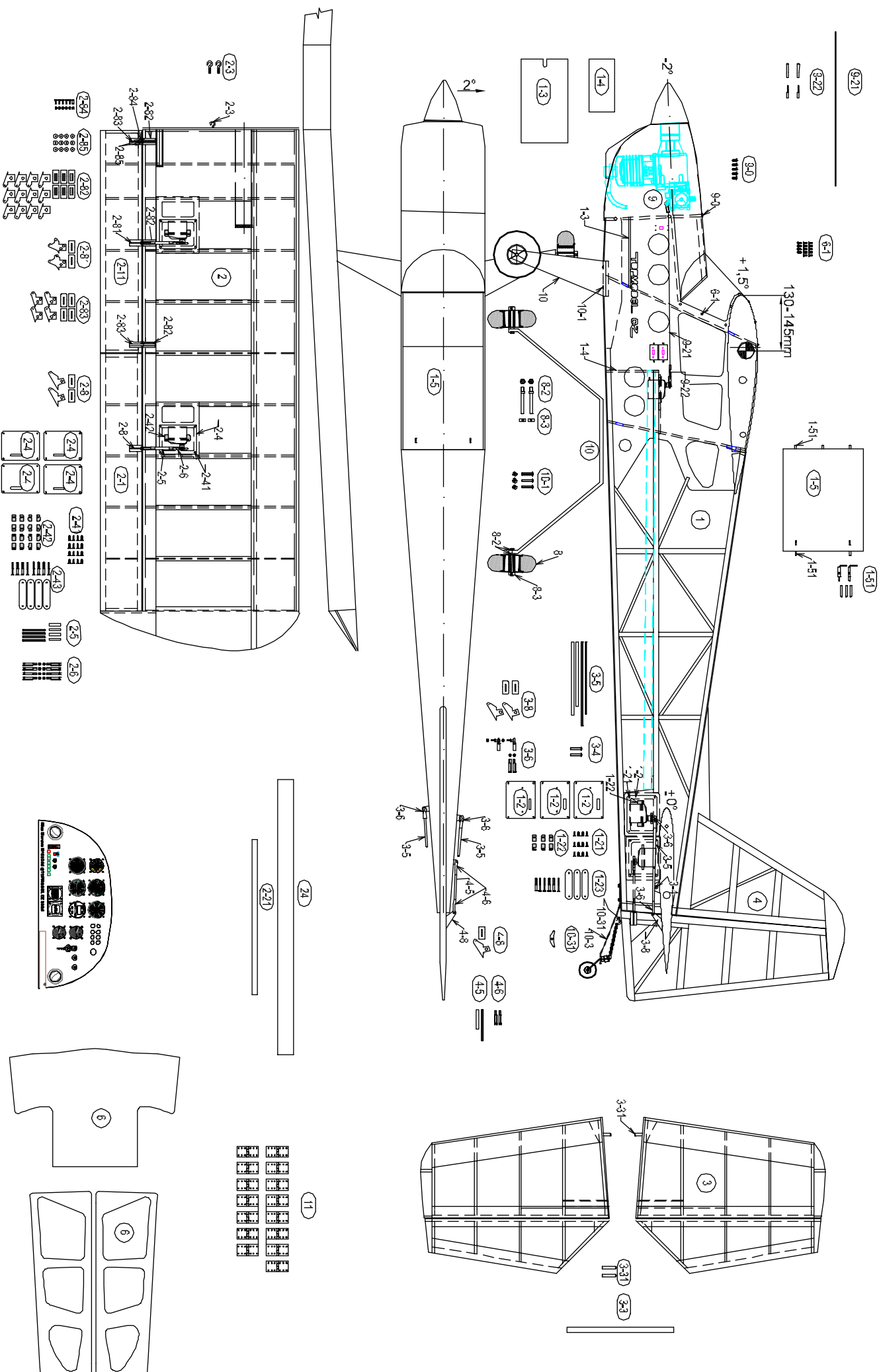
This model construction kit is not a toy and is not suitable for childer under the age of 14.

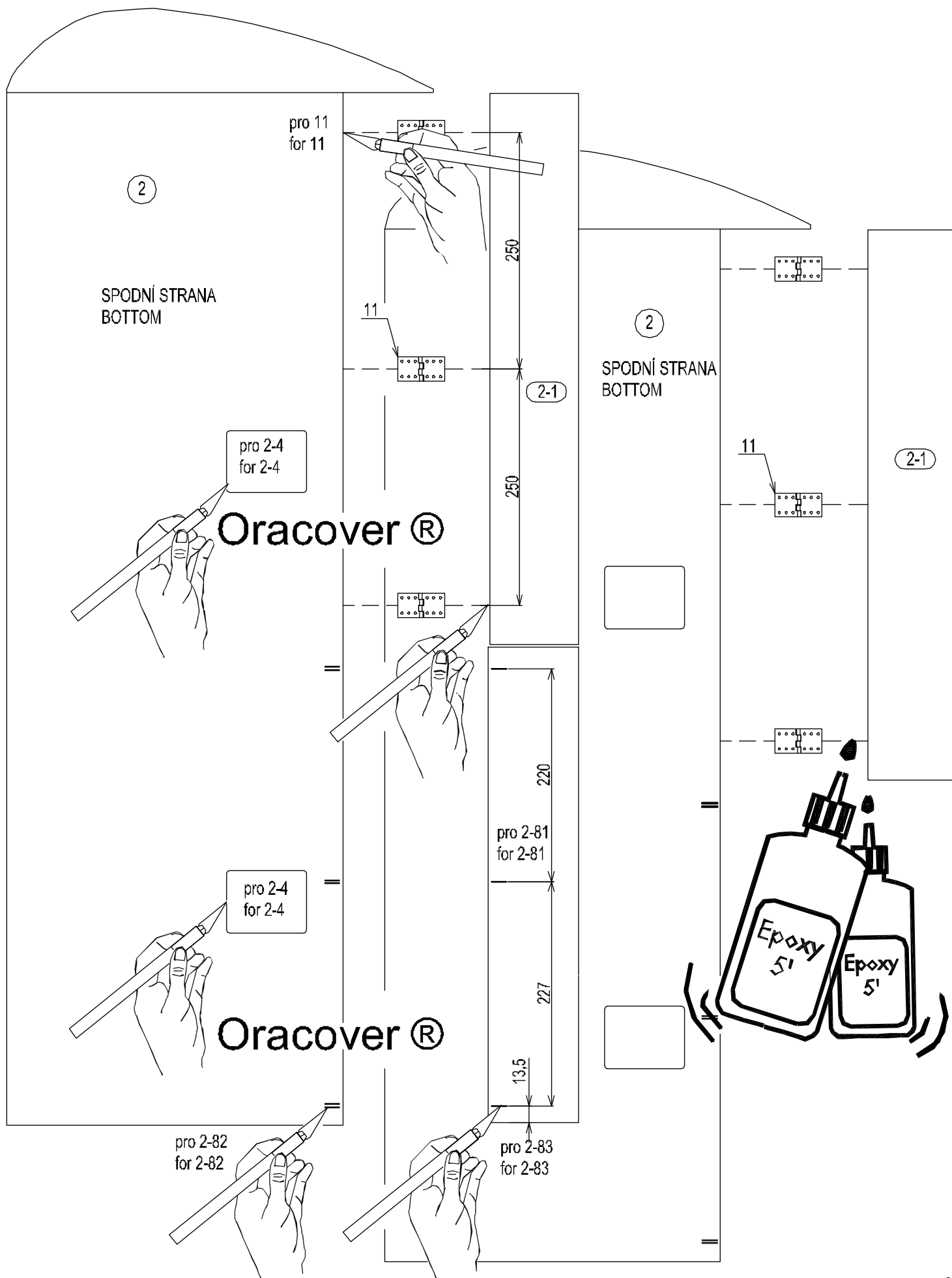
Incorrect use of this material could cause material damage or personal injury. You are fully responsible for your actions when you use this model.

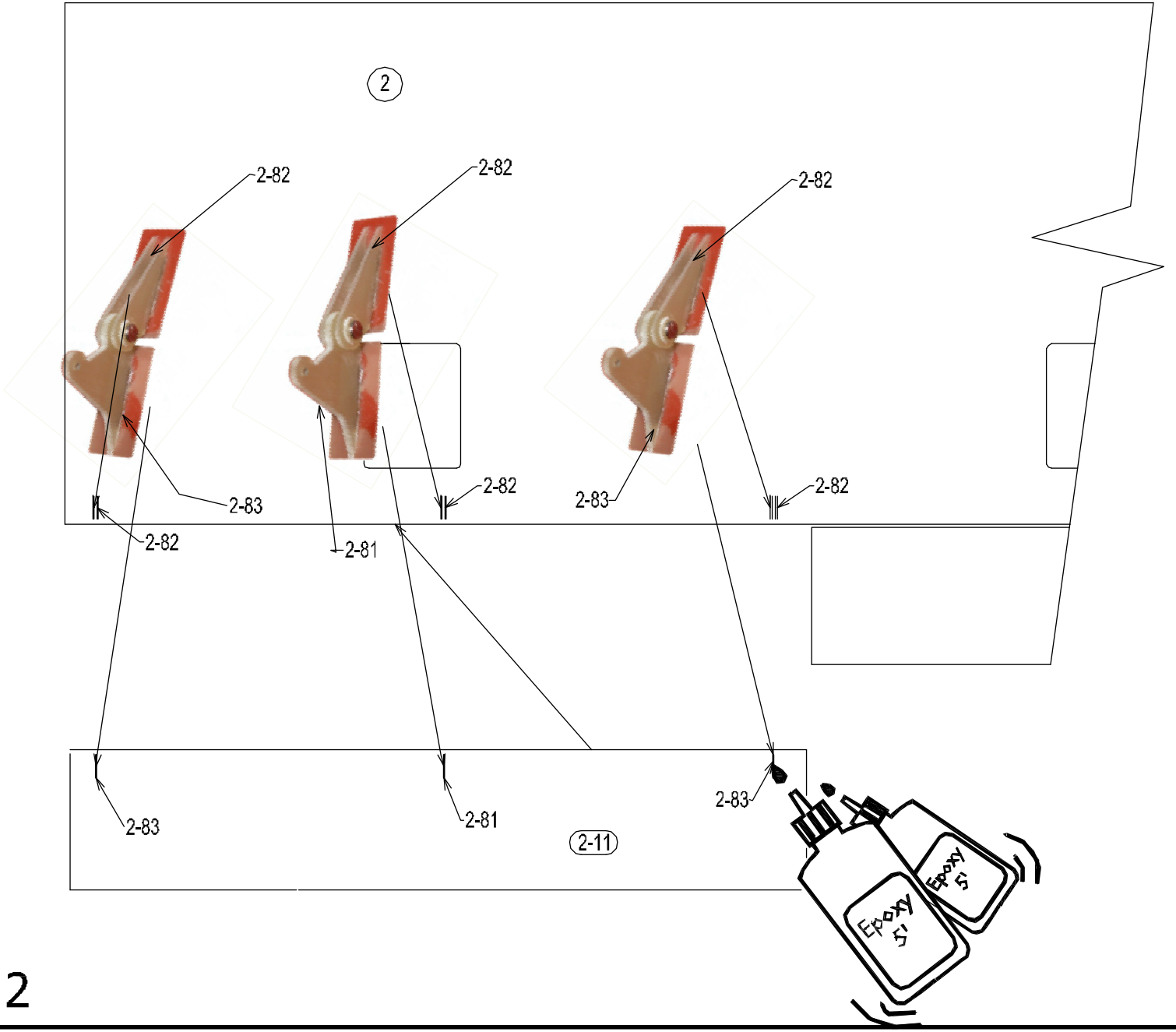
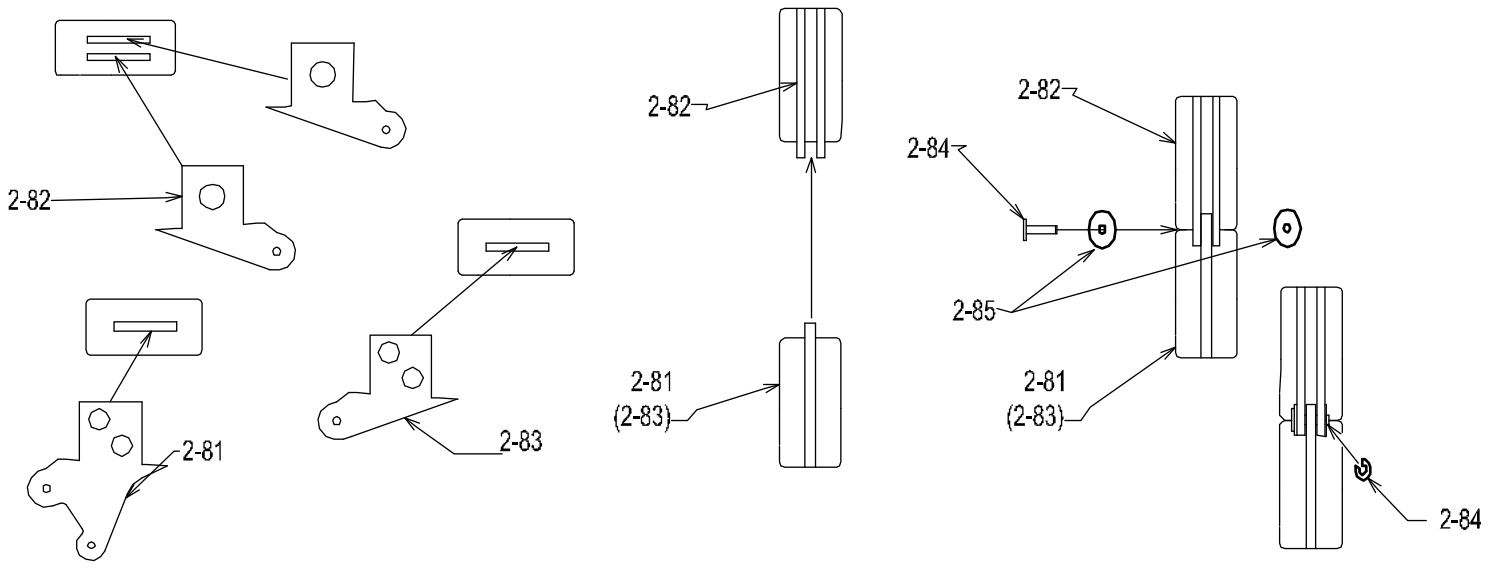
Fly at a safe distance from occupied zones. Be sure that no one else is using the same frequency as you.

DOPORUČENÉ PŘÍSLUŠENSTVÍ :

		kusů		objednací číslo www.topmodelcz.cz
Vysílač	7 kanál			
Přijímač	10 kanál			
Servo	HS - 5625MG digi	3	pro křídélka a vlečný háček	1HI3200
	HS - 5645MG digi	3	pro vztlakové klapky a směrovku	1HI3210
	HS - 6635HB digi	2	pro výškovku	
	HS-422 ECO	2	motor a sytič	1HI3075
Motor	MVVS 50 IRS ICU-L	1		3005L
	DLA 56		alternativní motor	2DLA0056
Výfuk	Kompaktní tlumič pro MVVS	1	pro motor MVVS	3208I
	PSA-DLE 55		pro motor DLA	K10350
Kužel	Laminátový kužel Ø80mm	1		020CT80A
Kola	Airtop pneumatická kola Ø100 mm			10210060
Nádrž	Nádrž 500 ccm benzin	1		7BA2050
Palivová hadička	Had.benzin žlutá Tygon 3/6	1		7BA2055
Kryty kol	Kryty kol Tractor	2	pro kolo φ100mm	02095-8
Konektor	MPX 6 zástrčka	2		1M60500
Konektor	MPX 6 zásuvka	2		1M60501
	Držák konektoru MPX 6	2		Nes001
Kabel serva	Kabel kroucený tlustý	5,1m		8GR3009
Bužírka	Teplem smršťitelná bužírka	0,7m		9001
Vlečný háček	Vypínací háček do vlečné	1		066RTH

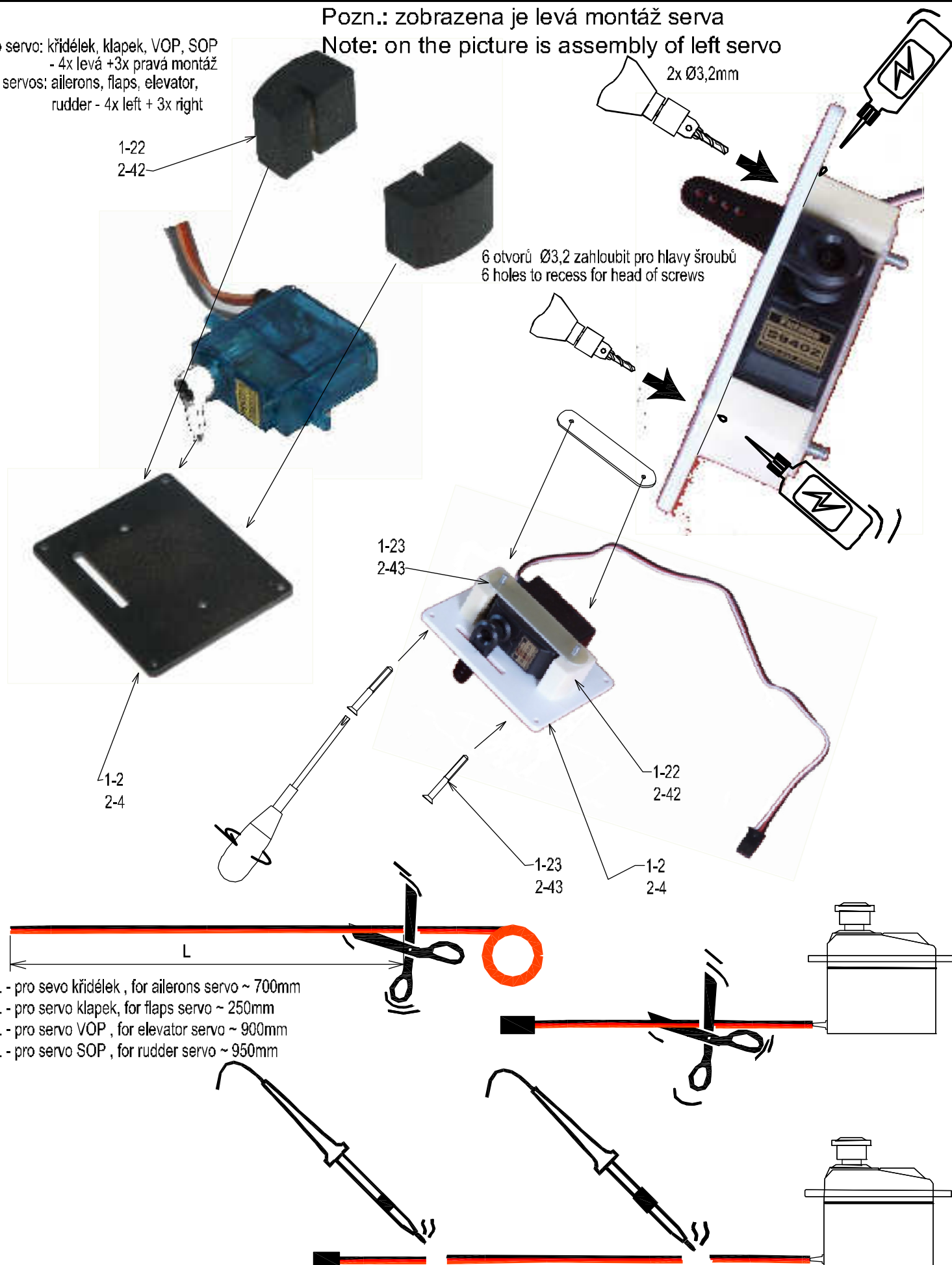


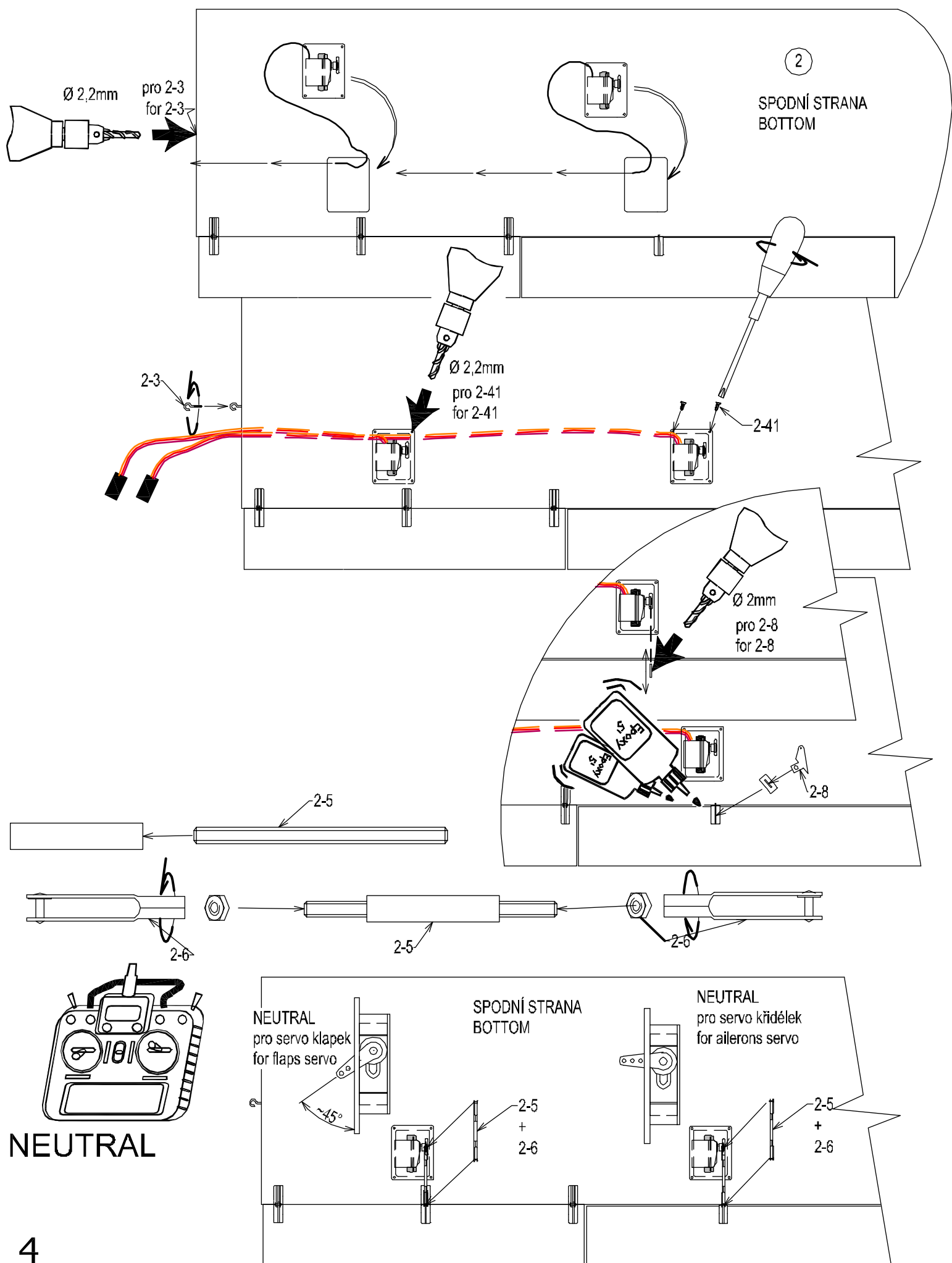




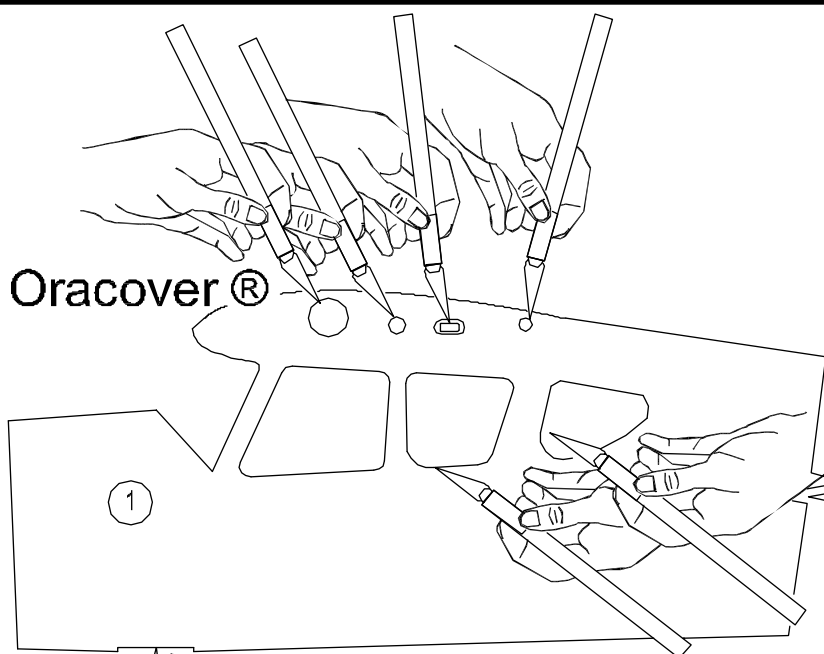
pro servo: křídělek, klapek, VOP, SOP
 - 4x levá + 3x pravá montáž
 for servos: ailerons, flaps, elevator,
 rudder - 4x left + 3x right

Pozn.: zobrazena je levá montáž serva
 Note: on the picture is assembly of left servo





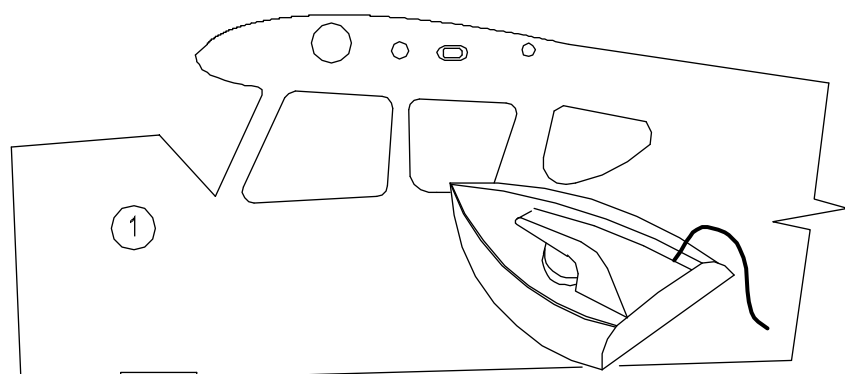
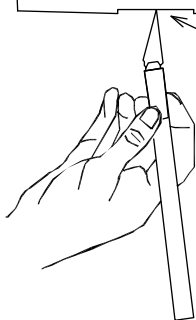
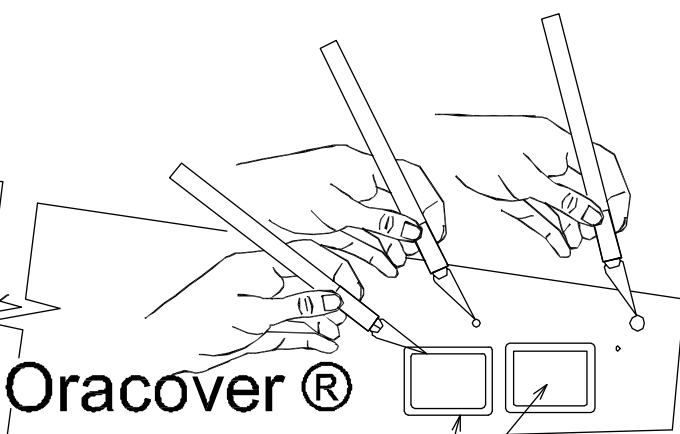
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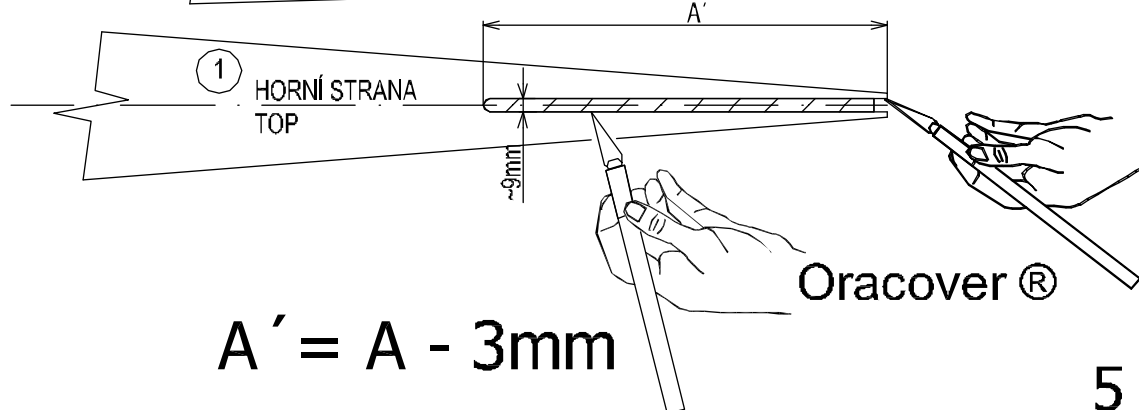
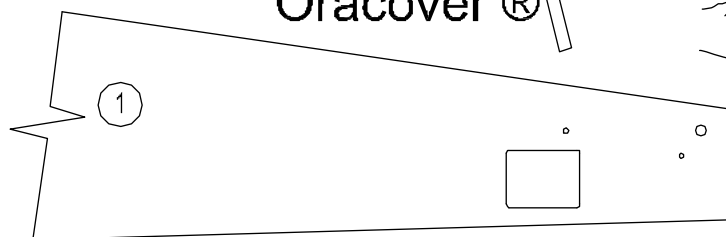
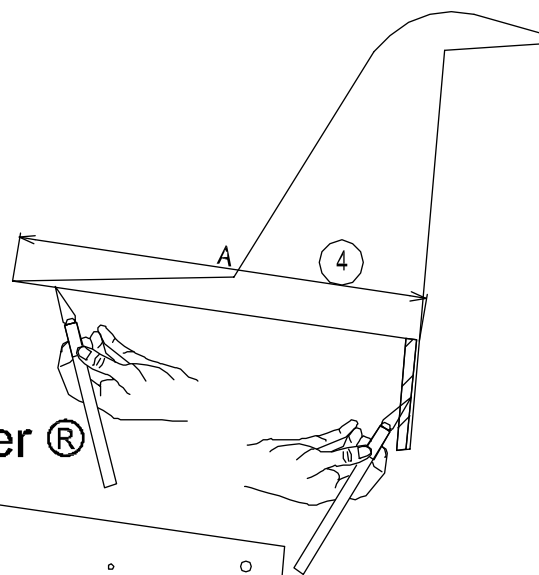
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levá+pravá - pro VOP
left+right - for elevator

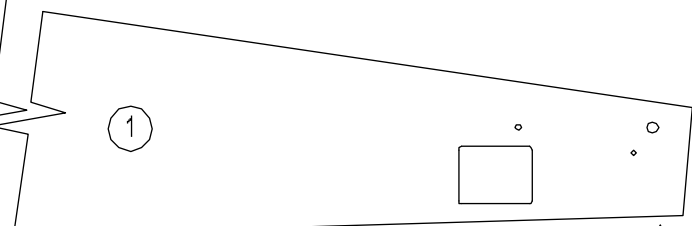
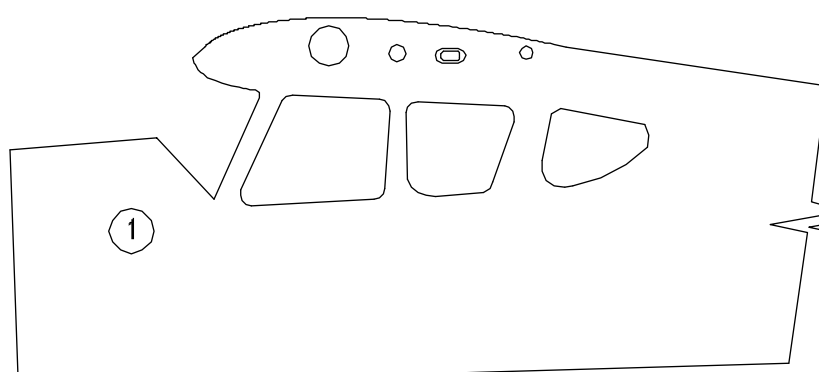
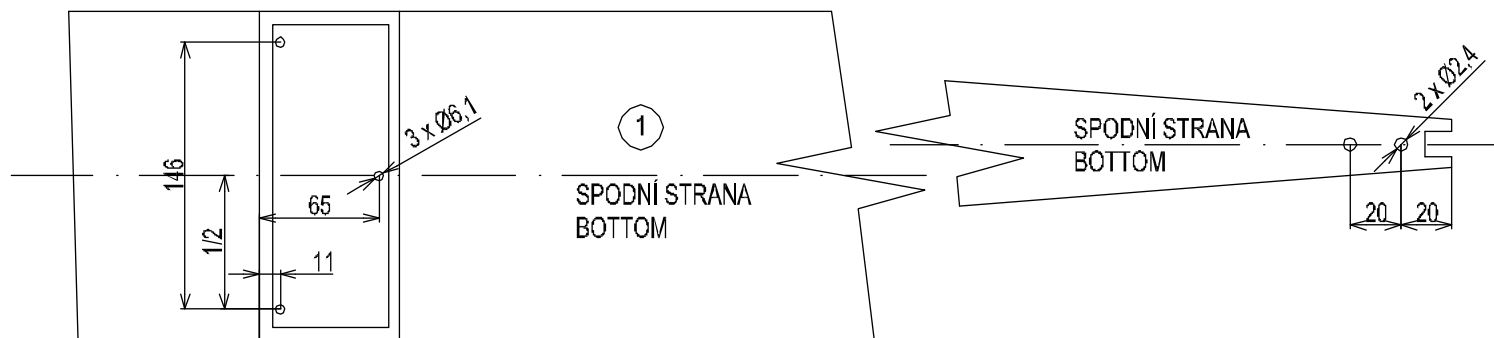
pravá str. pro směrovku
right- for rudder



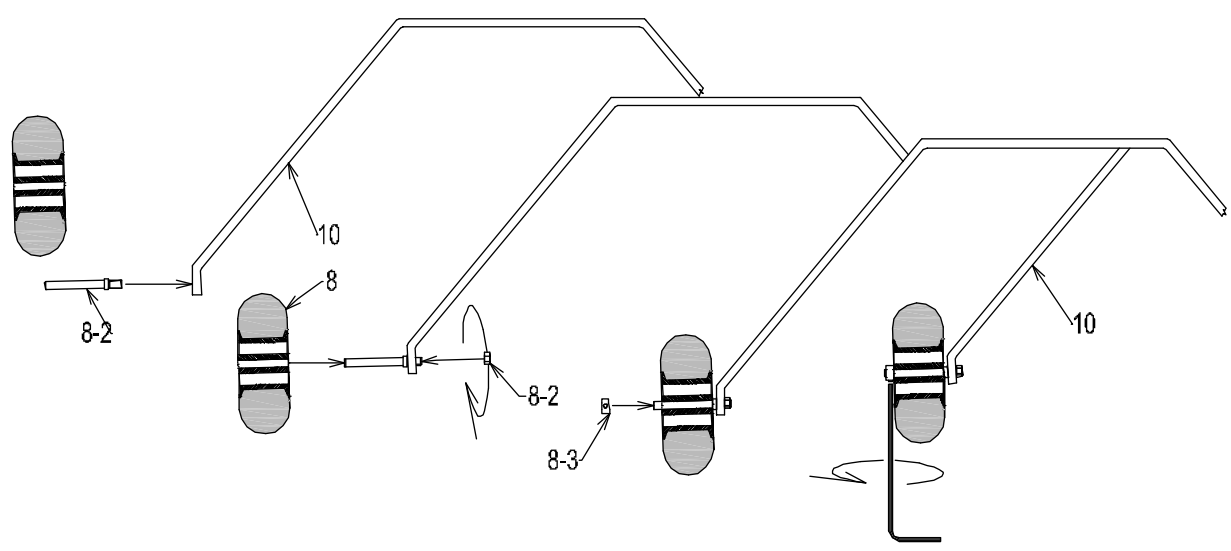
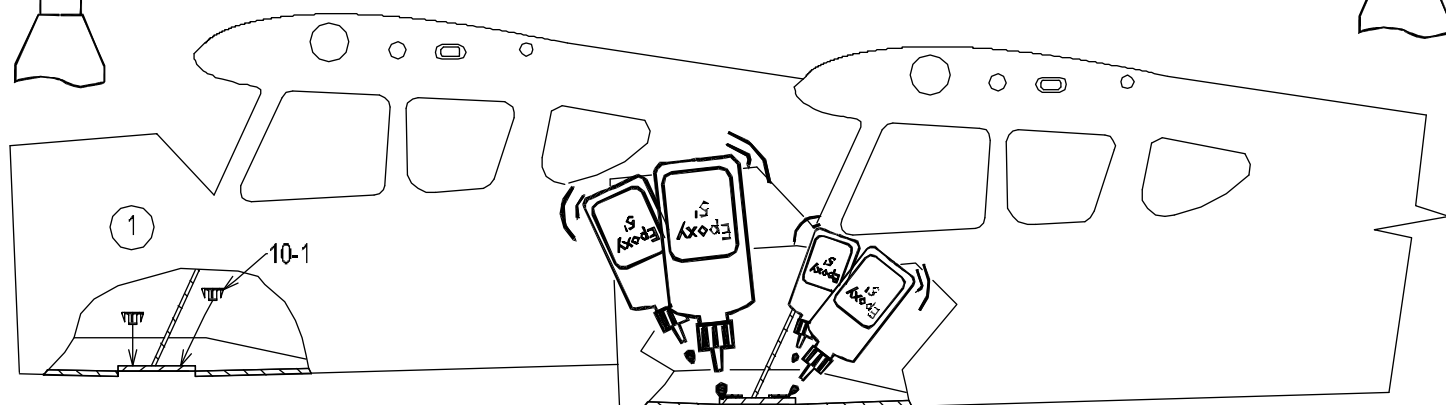
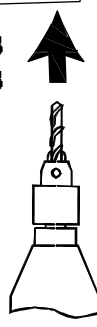
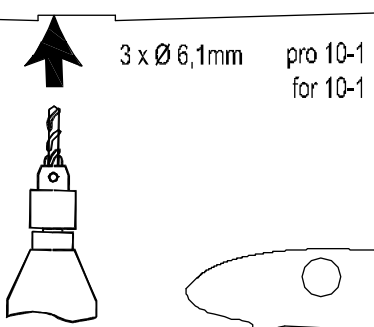
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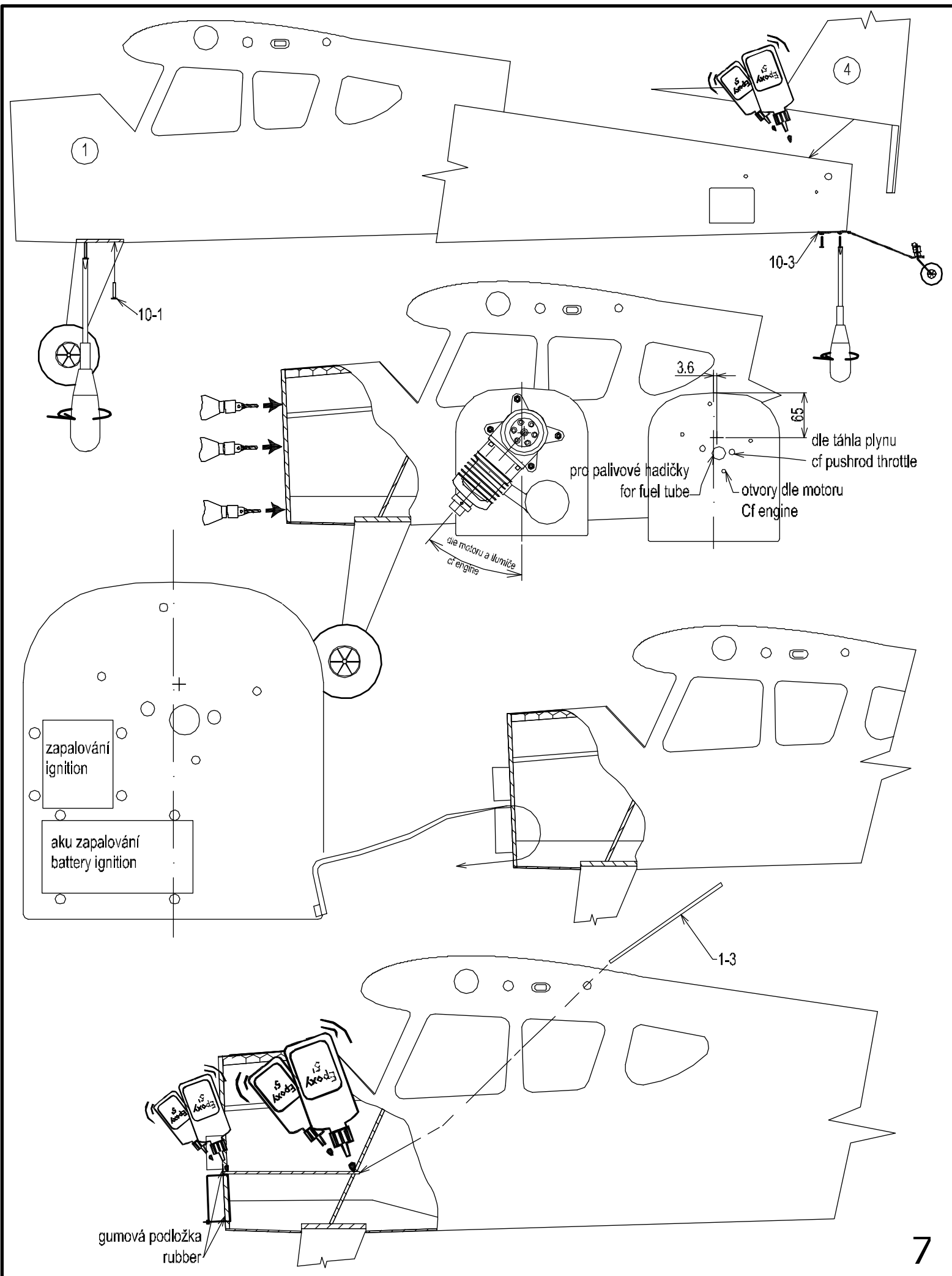


$$A' = A - 3\text{mm}$$

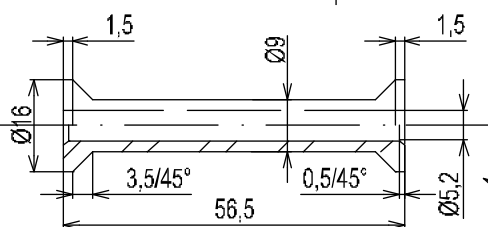


2 x Ø 2,4mm pro 10-3
for 10-3





pro ZDZ 40 - dural - 4 ks
for ZDZ 40 - aluminium - 4 pcs



4x matice M5
4x nut M5

M5 x 93 - 4x

4x matice M5
4x nut M5

nadrž
fuel tank

dle motoru
cf engine

dle výfuku
cf silencer

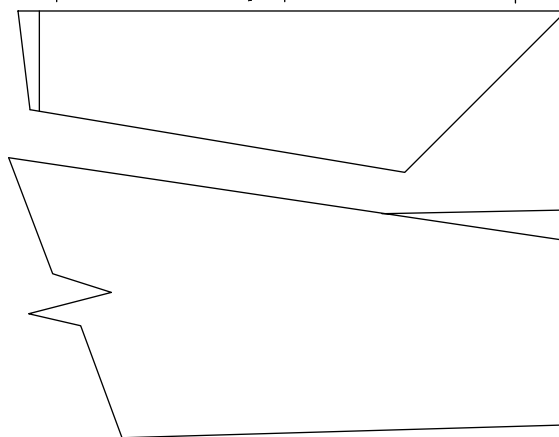
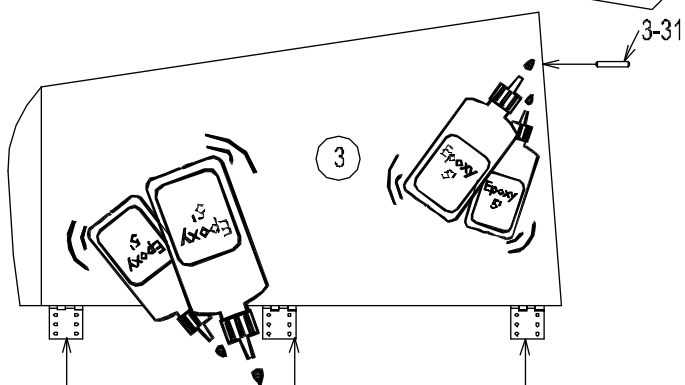
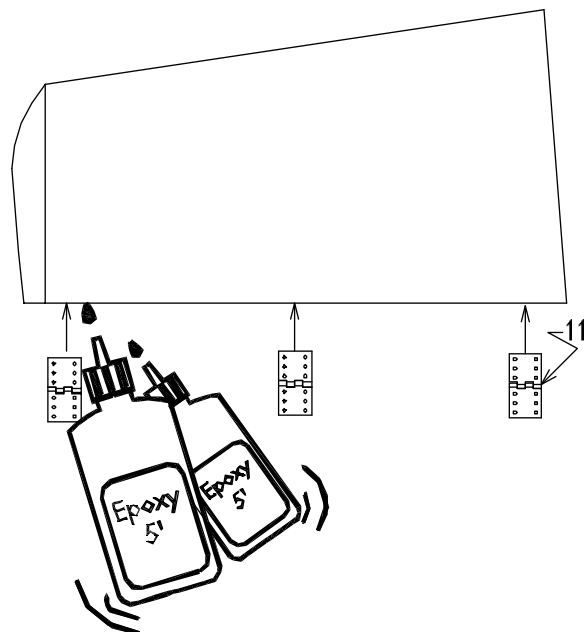
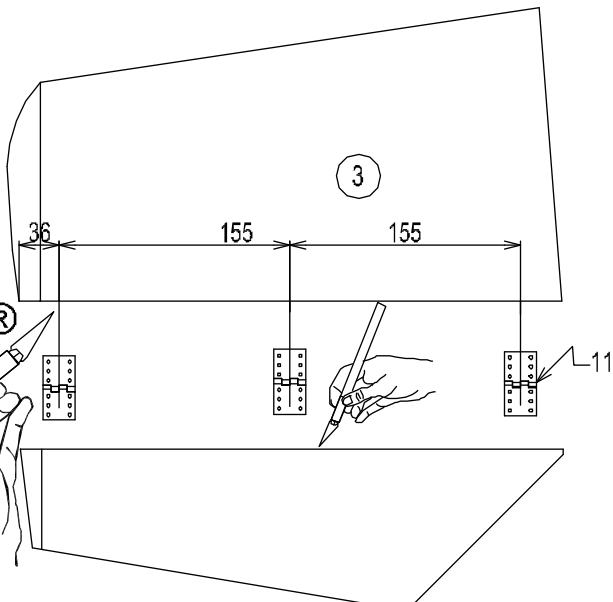
5 x Ø2,2

~115

5 x 9-0

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pro 11
for 11

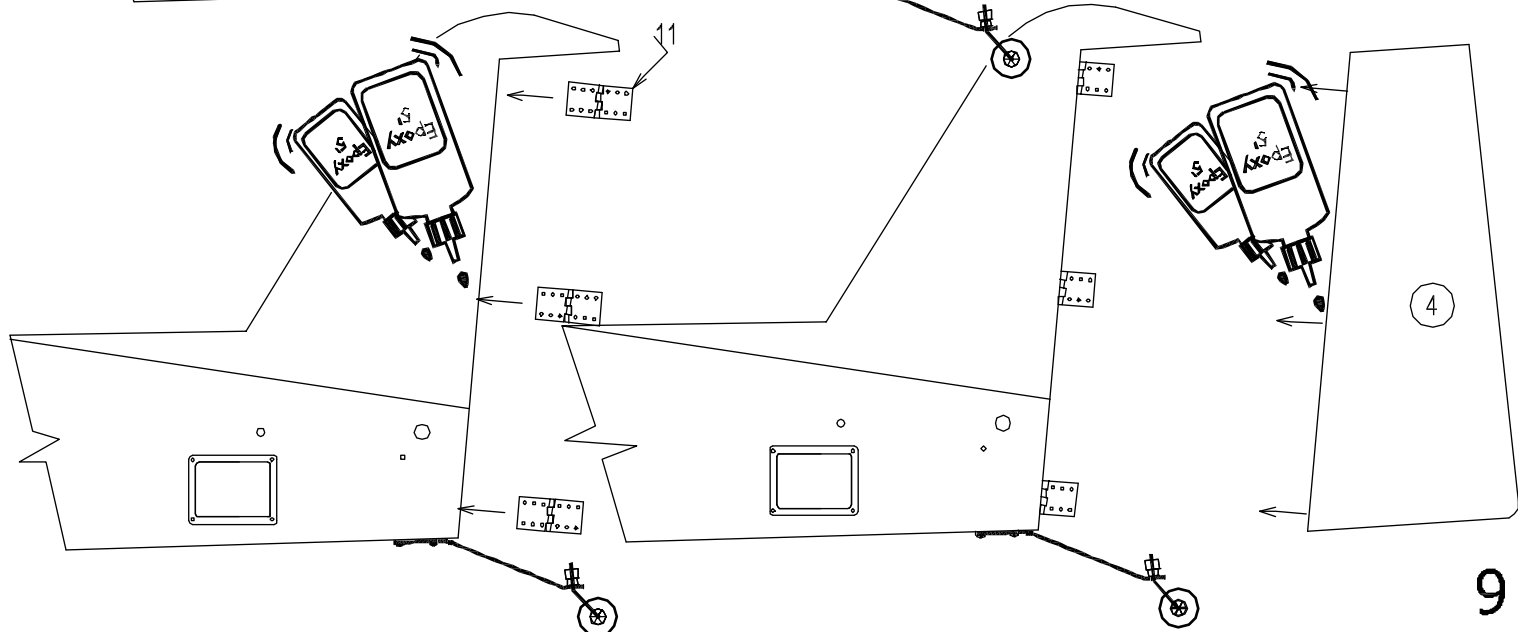


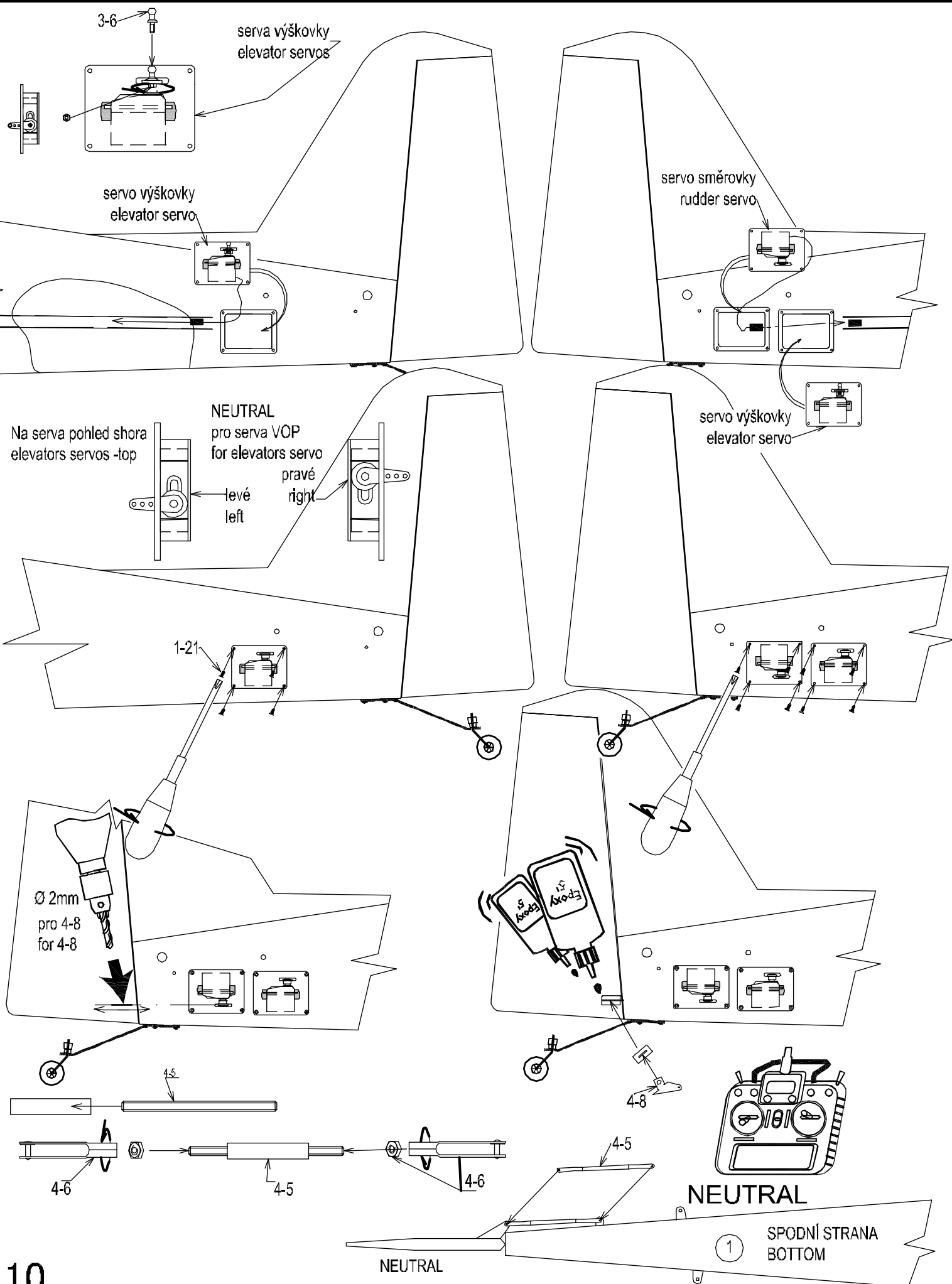
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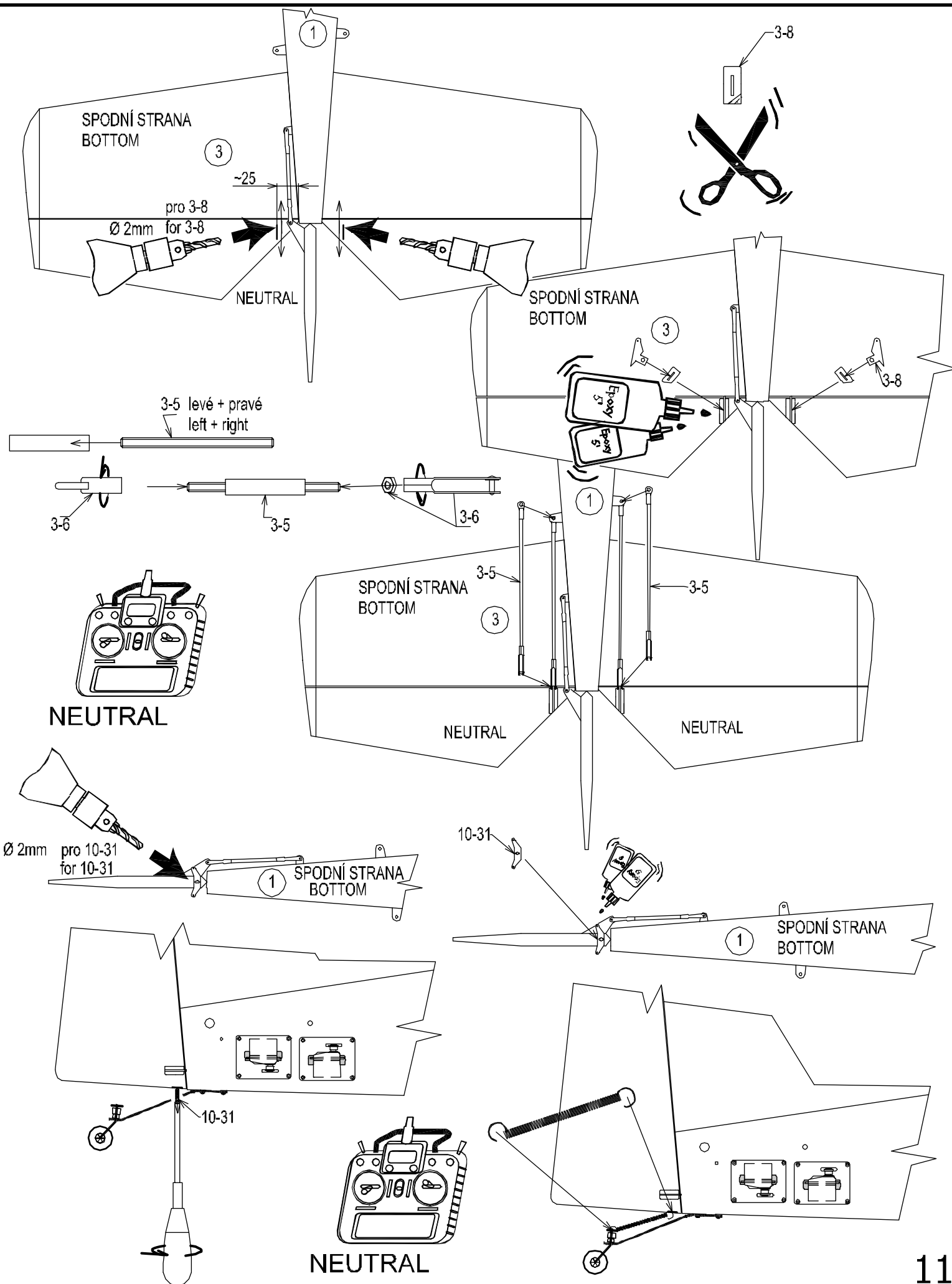
pro 11
for 11

Oracover®

pro 11
for 11







pro 1-51
for 1-51

pro 1-51
for 1-51

pro 1-51
for 1-51

dle trupu
of fuselage

dle trupu
of fuselage

1-51 1-51
1-5

9-22

9-21

9-22

9-22

9-21

Ø 2,2mm pro 6-1
for 6-1

6

6

