
ASSEMBLY AND MAINTENANCE MANUAL



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Safe flying rules

- ✈ Observe UL aircraft regulations.
- ✈ Do not overestimate your pilot skills and never show off. Use open areas for emergency landing training.
- ✈ Watch the weather forecast carefully. Do not plan long flights, when storms, fogs or frost are forecasted.
- ✈ Watch fuel level (flight time and real consumption).
- ✈ When Choosing the direction and height of your flight always consider possibility of emergency landing.
- ✈ Always fly with reserve of speed, particularly during all start and landing manoeuvres.
- ✈ Do not make any kind of aerobatics (e.g. total wingovers), even if you think, your skills and flight characteristics of your MPG can manage it.
- ✈ Do not underestimate the navigation and flight planning. Do not fly into a unknown area without proper preparation and equipment (map, compass).
- ✈ Fly only in good physical and mental condition.

MANUAL

- 1) This manual is written by the manufacturer of the MPG.
- 2) All records must be readable, permanent and none of the pages must be pulled out.
- 3) This filled-in book is a part of technical documentation.
- 4) Total flight time, number of starts and latest issued mandatory bulletins must be transferred to the new book.
- 5) Record only measured or certified data to the technical-operating records. (After approval of commissioned inspector–technician)
- 6) The owner guarantees the accuracy of the operation records.

IMPORTANT NOTES

AMENDMENTS TO THE MANUAL

If there is change of flight rules or a required change to the construction of trike, announcements of these changes will be published in bulletins (e.g. in Pilot magazine). Each owner of trike must take an appropriate action and implement this change and make record of this in the relevant part of this handbook.

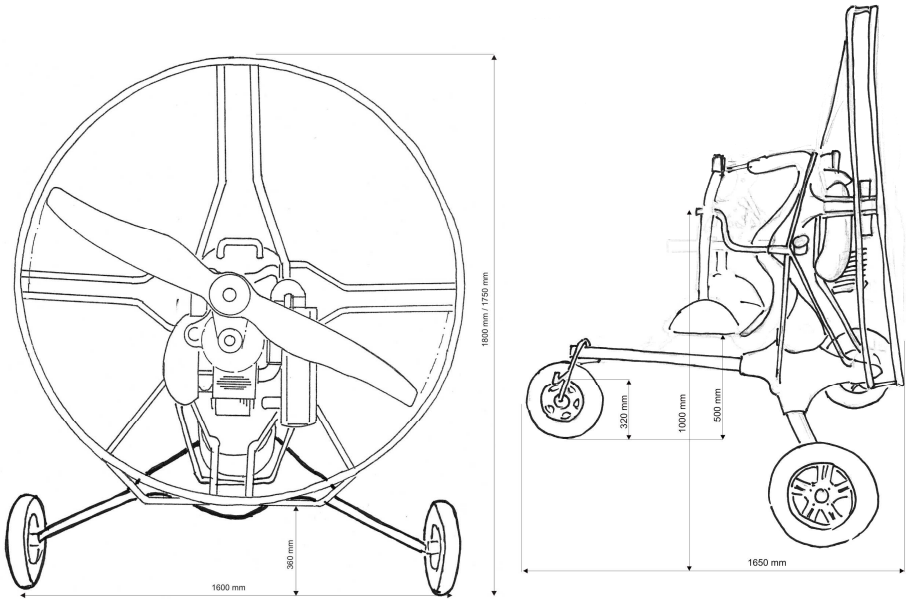
Every owner, user and pilot of this MPG must thoroughly familiarize themselves with this manual.

**THIS PRODUCT DOES NOT COME UNDER CERTIFICATION OF CIVIL AVIATION AUTHORITY CR AND IT IS OPERATED ON USERS OWN RISK.
ALL INTENTIONAL SPIRALS, FALLS AND AEROBATICS ARE PROHIBITED.**

All construction changes to the trike altering the original certified setup must be authorised by commissioned inspector-technician, who registered this trike.

Any damage to the trike must be notified to manufacturer of relevant inspector-technician, who recommends service, supervises the repair and makes technical check of the trike afterwards. He will make a record of this in the documentation of the trike.

DIMENSIONS



Landing gear (type, parameters)

| | |
|-------------------|------------------------|
| type | CRUISE CARBON |
| body | laminated |
| colour | orange |
| back axles | Carbon sandwich |
| central axle tube | Alluminium, Carbon |
| frame | steinless steel |
| wheels | Aluminium, spoke |
| joints | quickjoints with locks |
| Maximum load | 175 kg |

Všechny podvozky jsou před předáním pečlivě kontrolovány. Všem spojovacím prvkům byla věnována náležitá péče. Všechny šrouby, matky, nýty atd. byly pečlivě dotaženy a zajištěny Loctitem.

OPERATING LIMITATIONS

Podvozek je možno instalovat na paramotory značky Nirvana, typ: MadMax, Rodeo, Electric, Colibri a Easy.

Flight types

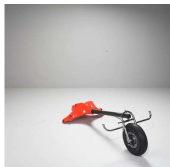
**Only daytime VFR flights are allowed
(Visual reference flight). Other flight types are prohibited.**

PRE-FLIGHT PREPARATION

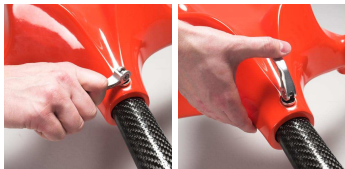
Trike assembly



Základní částí je skelet
basic skeleton



Zasuneme přední nápravu do skeletu
insert the front axle into skeleton



Zašroubujeme a zajistíme ve skeletu upínákem
insert and secure the fixing screw



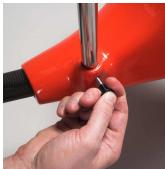
Nasuneme pravou a levou zadní nápravu
insert right and left rear axles



Vytáhneme zajišťovací kolíky ze skeletu dva přední a jeden zadní
take out two rear and one front secure pins from the skeleton



Vsuneme rám
insert the frame

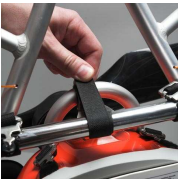
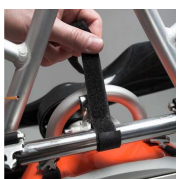


zajistíme pomocí zajišťovacích kolíků dva vpředu jeden vzadu
secure the frame with secure pins – two in the front and one in the back

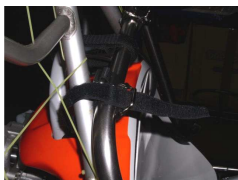
Installation of the paramotor



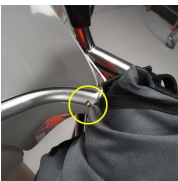
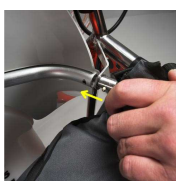
1. Insert the paramotor into trike frame from behind.



2. Fix the velcro strap around the paramotor holder and the trike frame.



3. Fix the paramotor frame to the trike frame by velcro (on left and right side).



4. Insert and lock the main harness connectors to the paramotor; they must go through the lower trike holder.



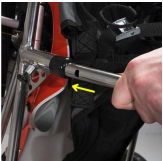
5. Check all fixation points.



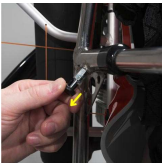
6. Harness strut stirrup put on the trike hinge eye on the harness (both, left and right side).



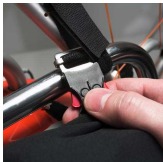
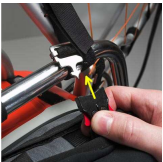
7. Put on the trike harness strut and secure(both, left and right side).



8. Put on the trike harness strut and secure(both, left and right side).



9. Safety pin(both, left and right side).



10. Fix the upper harness hanging points to trike frame.



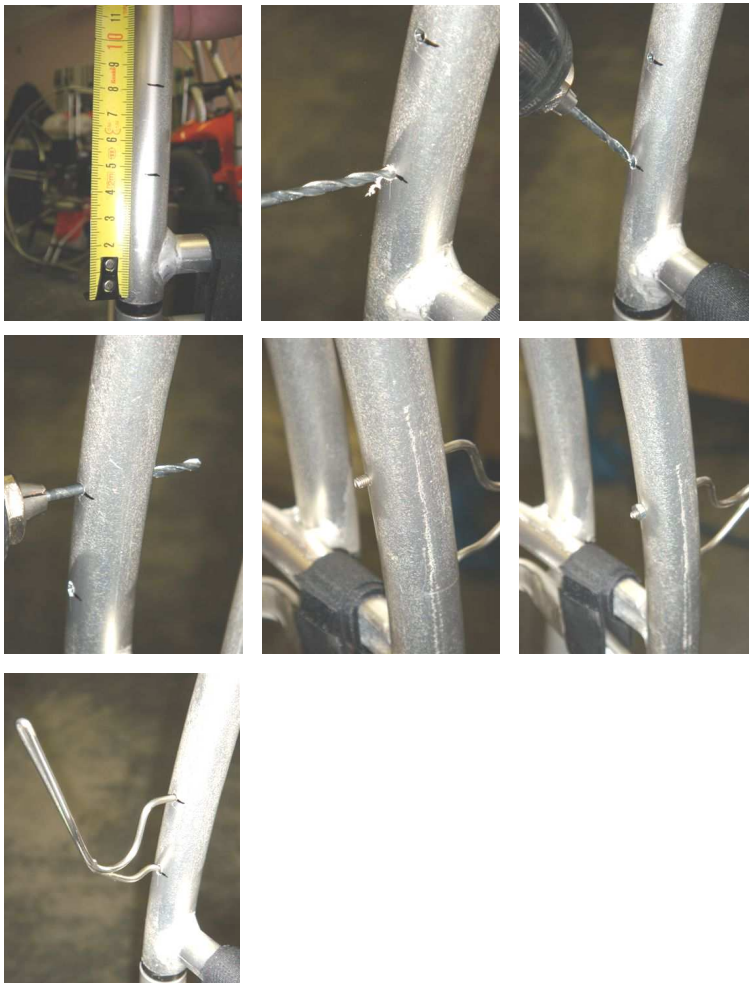
11. Now is your trike ready to fly!

Line holders

Držák šňůr se instaluje na zadní oblouk (ve směru letu) ochranného rámu paramotoru. Jeho účelem je ochránit jednat šňůry od poškození vrtulí, a jednak ochranný rám samotný od tlaku šňůr obíhajících samotný rám při startu.



Instalation:



PRE-FLIGHT CHECK

| | |
|------------------|---|
| frame | neporušenost, sestavení, zajištění |
| body | celistvost |
| axles | neporušenost, správné zasunutí, zajištění |
| zajištění | trubka přední nápravy - šroub s rychloupínákem |
| | rám ve skeletu, 2x přední a 1x zadní pin |
| | paramotor horní madlo – velcro pásek – rám paramotoru |
| | pásky rámu |
| | sedáčka do zádové trubky paramotoru |
| | rozpěrka sedačky k rámu tříkolky |
| | horní závěs sedačky |
| wheels | správné nahuštění pneumatik 2,5 MPa |

TAKEOFF

Make front start in front wind. Use the line holders for easy takeoff without emergency of damaging the frame or propeller. Check the canopy filling and line condition. Apply full gas and start the trike without breaking the paraglider. Keep the direction against the wind. Do not brake after takeoff and climb with full speed. This minimises the danger of speed loss.

LANDING

Carefully check the landing place, possible barriers and wind direction. Do always land against the wind.

Press and hold the engine switch off button on the throttle till the engine stops in high min 15 m above the ground. Land on wheels and put the canopy on the ground to avoid the contact with hot engine parts.

ENGINE TUNING AND MAINTENANCE

| | |
|--------------|--|
| <u>tyres</u> | - pravidelně kontrolujte tlak v pneumatikách. V případě potřeby dofoukněte na 2,5 MPa. |
| <u>brake</u> | - při snížení účinnosti brzdy doporučujeme vyměnit brzdové obložení. |

Podvozek Cruise Carbon vyžaduje dále pravidelnou předletovou prohlídku a roční prohlídku u výrobce či technika pověřeného prodlužováním platnosti průkazu technické způsobilosti SLZ.

V případě jakéhokoliv poškození kteréhokoliv dílu SLZ je nutná jeho oprava či výměna před dalším letem.

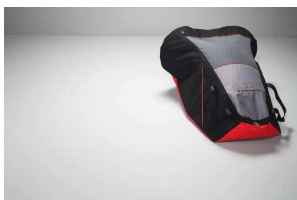
TRANSPORTATION RULES

Assembled trike

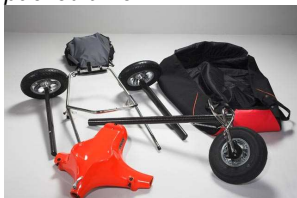
- Engine must stand on the tank and frame together. It must not be supported by frame only
- Fix tightly by shell or engine part (It must not be fixed by the frame!)
- Secure properly from emergency of fall or damage

V rozloženém stavu

PACKING



packed trike



skelet vložíme do obalu skeletu a
zavřeme na velcro
*insert skeleton into its covering and close
the velcro*



skelet uložen
packed skeleton



vložíme skelet v obalu do tašky na cruise
insert packed skeleton into trike bag



uložíme přední nápravu kolem do výřezu
v tašce a zajistíme suchým zipem
*fit front axle wheel into cutout in the trike
bag and secure with velcro*



vložíme zadní nápravu- kola za řídítka
přední nápravu a zajistíme je suchým
zipem obalu skeletu společně s rámem
*insert rear axles (the wheels behind the
front axle handlebar) and secure with
skeleton covering velcro together with the
frame.*



nahoru uložíme složenou sedačku
on the top place fold up harness



uložíme rám zadním obloukem dopředu,
pomocí rychlospojek jej připneme
k řídítkům přední nápravu
*place the frame the rear-bend to the front
and secure with joins to the front axle
handlebar*



packed trike

LONG TIME STORAGE RULES

- store the paramotor in dry, clean place in constant temperature



Letecká amaterská asociace ČR – Light Aircraft Association of the Czech Republic

Oprávnění LAA ČR k výrobě, opravám a zkušebnictví sportovních létajících zařízení

Registrační číslo:
05/2005

Na základě pověření a v souladu se zákonem č. 49/1997 Sb. o civilním letectví
v platném znění a v souladu s Postupy LA-1 Hlava 9 vydává LAA ČR
toto oprávnění k výrobě a opravám sportovního létajícího zařízení.

Držitel oprávnění:

Firma : NIRVANA SYSTEMS s.r.o.
Jateční 523, 760 01 Zlín-Prácheň, Czech Republic
IČO 26978555, DIČ CZ26978555

Předmět činnosti držitele oprávnění:

Vývoj, výroba a opravy motorových padákových kluzáků, padákových
kluzáků a vybavení pro paragliding a motorový paragliding.

Platnost oprávnění:
3 roky

Odborným dozorem je pověřen:

Ing. Pavel Březina
(inspektor technik PL LAA ČR č.9
inspektor technik MPL LAA ČR č.25 B)

Vydáno dne:

2.11.2005

Hlavní inspektor technik PL LAA ČR:

Ředitel správy LAA ČR:

Miroslav Fejt

Letecká amaterská asociace ČR
Ke Křtci 275
102 00 Praha 10
Tel. +420 271 085 587

Jiří Koubík



Letecká amatérská asociace ČR – Light Aircraft Association of Czech Republic

Typový průkaz – Type Certificate

Vydává Letecká amatérská asociace české republiky (dále jen LAA ČR) v souladu s ustanovením §81 odst. 2. zákona o civilním letectví č. 49 / 1997 Sb. a v souladu s prováděcími předpisy.

Označení typu letecké techniky:
Designation of the type of aviation technology:

POSTROJ PRO MOTOROVÉ PADÁKOVÉ KLUZÁKY

Model: LEXX R

Držitel typového průkazu:
Owner of Type Certificate:

Ing. Pavel Březina
Nirvana paragliding
Příkrá 3538
760 01 Zlín

Schváleno technickou komisí LAA ČR dne:
Approval of the Technical commission of LAA CR:


17. 3. 2004

Typový průkaz je zaregistrován u LAA ČR pod značkou:
Type certificate is registered in LAA CR under registration sign:

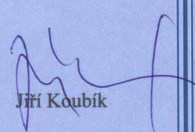
PL 5 – 02 / 2004

Typový průkaz vydán 19. 3. 2004

Hlavní inspektor technik MPK LAA ČR:


Ing. Miroslav Huml

Ředitel správy SLZ LAA ČR:


Jiří Koubík

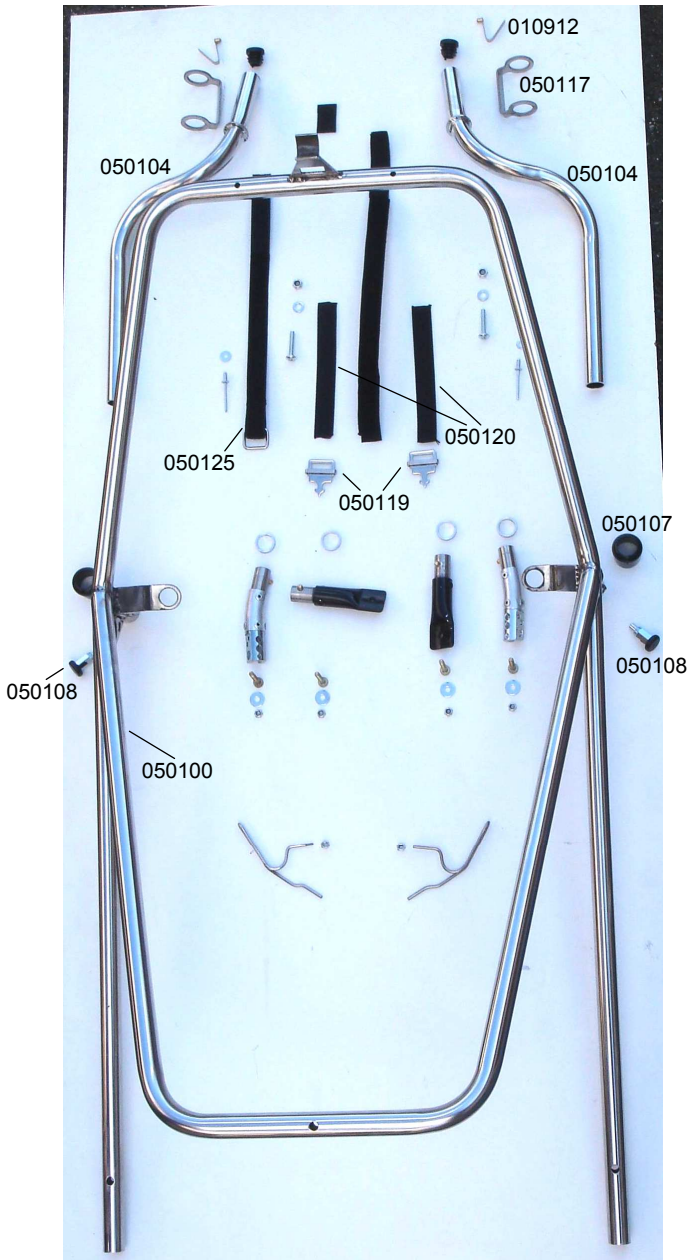
Letecká amatérská asociace ČR
Ke Kابلu 289
102 00 Praha 10
Tel.: +420 271 065 274

**REMOVABLE LANDING GEAR
NIRVANA TRIKE
CRUISE CARBON**

COMPONENTS

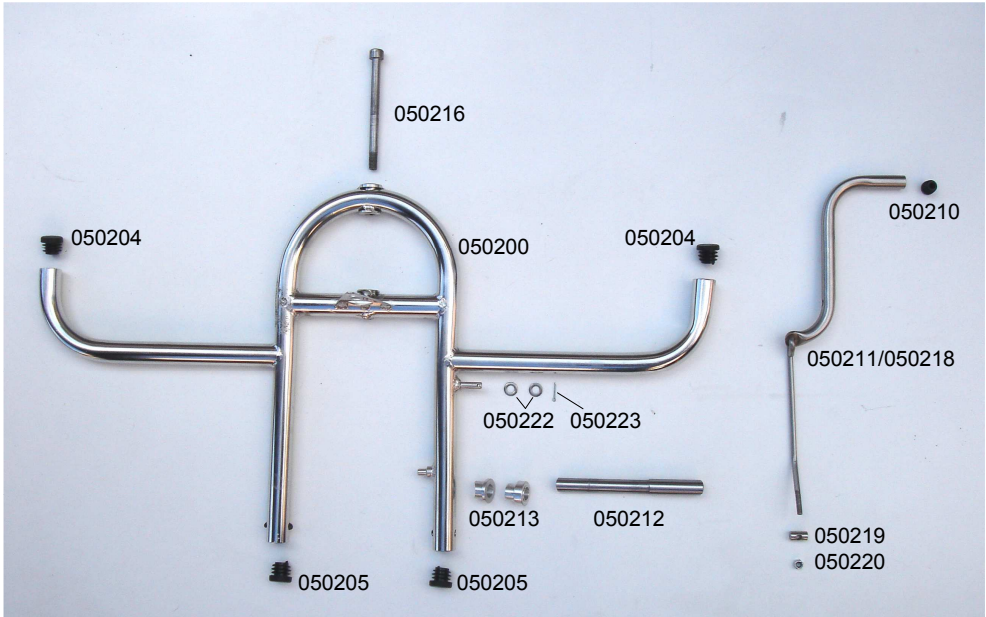
Frame

05 01 00



Front fork

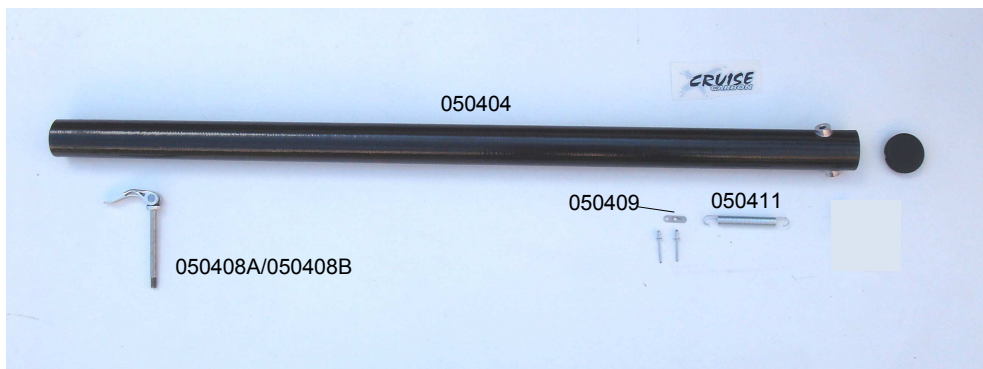
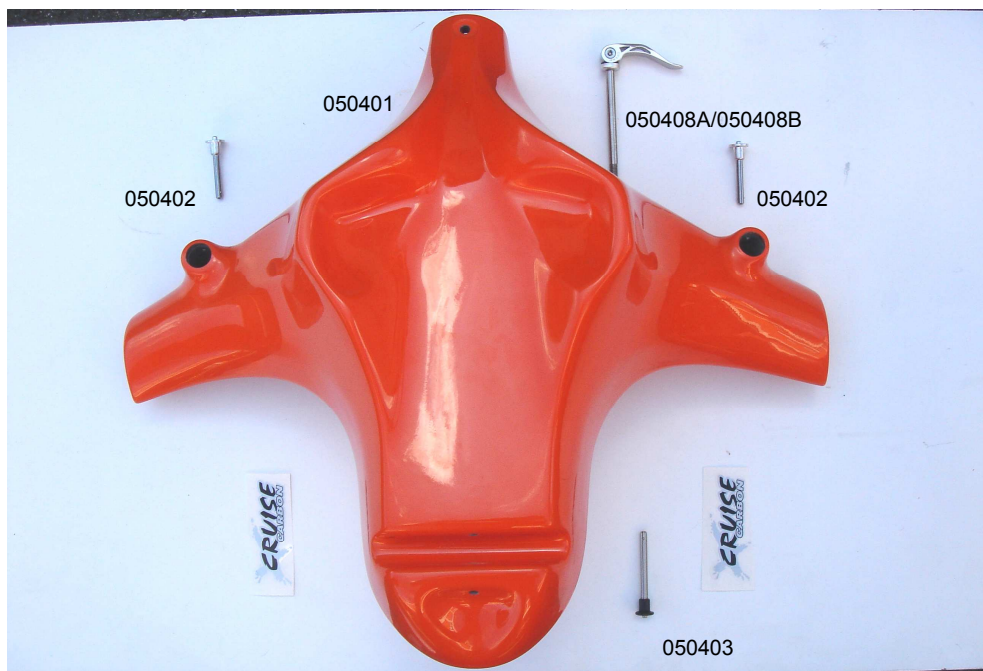
05 02 00



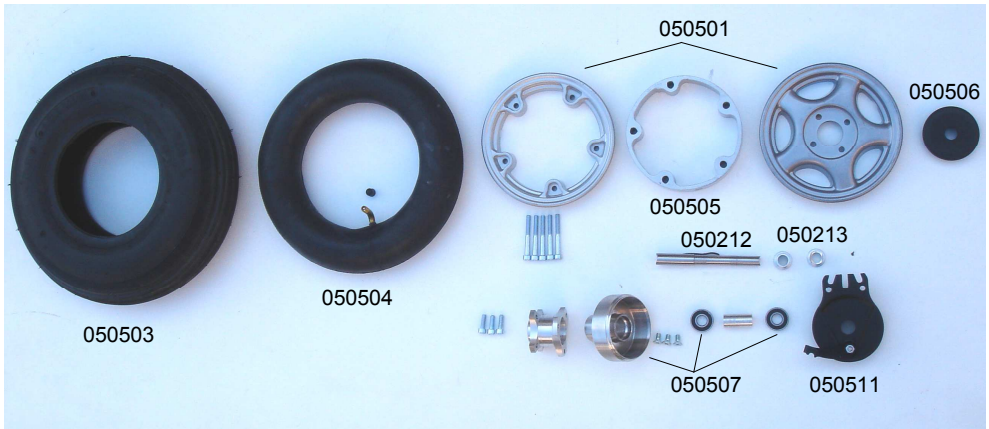
Back axles 05 03 xx



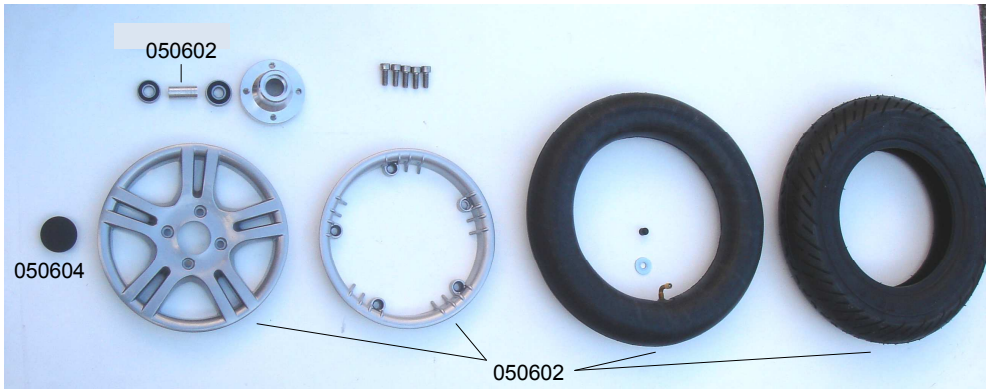
Shell Cruise Carbon and front axle 05 04 xx



Front wheel 05 05 00



Back wheels 05 06 00





**List of mandatory checks performed,
repairs, important part replacements, ...**

| Operation (reason) | date | flight hours | signature – checked by |
|--------------------|------|--------------|------------------------------|
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NOTES:

NOTES:

EQUIPMENT

Trike Cruise Carbon

Shell cover

Transport bag

Harness connectors

Frame reinforcement strings

115

125

145

Line holdem

User Manual

OPTIONAL EQUIPMENT

Tandem extension TAXI

Tandem passenger harness

Tandem spreads

Powerfly, 4 ks

Ski

Ski transport bag

WARRANTY

The warranty covers manufacture and material faults for all parts of this trike. **This product is covered by 1 year manufacturers' warranty**

The warranty does not cover any damages caused by theft. It does not cover any broken or destroyed parts due to incorrect use of the MPG, use in unsuitable weather conditions, wrong assembly of mechanical parts and damages caused by falls.

The warranty ceases if the MPG is sold to the third person, or in case of incorrect use, unprofessional repair or installation of unoriginal parts.

The guarantee is valid, when dated and signed by both sides.

Keep in mind, that this engine has not got an aircraft certification. It is responsibility of the pilot as the user to assemble and check the MPG before each flight.

Date Seller

The buyer confirms, that he was informed about correct operation of the MPG; he will be responsible for finding out about any changes or mandatory bulletins from the manufacturer, related to this MPG.

Buyer



NIRVANA SYSTEMS s.r.o., Jateční 523, 760 01 Zlín, Czech Republic
tel.: +420 577226616, fax: +420 577019117, sms: +420 775917001
e-mail: info@nirvana.cz, <http://www.nirvana.cz>