



AIR CONCEPTION NITRO 200 MANUAL START PREFLIGHT CHECKLIST

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This manual is intended to serve as a resource which assists pilots in establishing safe operating procedures and practices, and identifying mechanical discrepancies prior to flight. The information presented in this within this manual is accurate to the best of our knowledge, however, errors and omissions may occur. This manual is not officially endorsed by or affiliated with Air Conception.

The reader acknowledges that the sport of Powered Paragliding and related activities carry significant risk including injury, dismemberment, and death. In this acknowledgment, the reader accepts this risk of their volition and understands that the creator of this manual assumes no liability in connection with its contents.

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Procedures containing items within a **DASHED BOX** should be committed to memory.

FUEL

- FUEL QUANTITY.....VERIFY/FILL
- FUEL CAP.....SECURE

GLIDER

- LAYOUT.....COMPLETE
- SUSPENSION LINES.....CLEAR/INSPECT
- LEADING EDGE.....INSPECT
- TRAILING EDGE.....INSPECT
- UPPER SURFACE.....INSPECT
- LOWER SURFACE.....INSPECT
- LEFT RISER.....CLEAR/INSPECT
- LEFT TRIM.....CHECK/SET
- LEFT BRAKE HANDLE.....CLEAR TO PULLEY
- LEFT MALLIONS.....CHECK/SECURE
- RIGHT RISER.....CLEAR/INSPECT
- RIGHT TRIM.....CHECK/SET
- RIGHT BRAKE HANDLE.....CLEAR TO PULLEY
- RIGHT MALLIONS.....CHECK/SECURE
- GLIDER CHECKLIST.....COMPLETE

HARNESS, LEFT SIDE

- LOWER SUSPENSION STRAP.....INSPECT
- POWERFLOAT/STRAPS.....INSPECT
- SWING ARM BOLT.....INSPECT
- SWING ARM.....CHECK
- CARABINER ASSEMBLY.....INSPECT
- U-SHACKLE, PIN, AND SAFETY RING.....INSPECT
- THROTTLE.....CHECK
- STRAP ASSEMBLY, CARRY STRAP, LEFT LEG STRAP.....INSPECT
- SHOULDER STRAP ASSEMBLY.....INSPECT
- UPPER SUSPENSION STRAP.....INSPECT
- LEFT SIDE HARNESS CHECKLIST.....COMPLETE

HARNESSES, RIGHT SIDE

- AIRBOX CONNECTION POINT.....INSPECT
- UPPER SUSPENSION STRAP.....INSPECT
- SHOULDER STRAP ASSEMBLY.....INSPECT
- STRAP ASSEMBLY, CARRY STRAP, RIGHT LEG STRAP... INSPECT
- U-SHACKLE, PIN, AND SAFETY RING.....INSPECT
- CARABINER ASSEMBLY.....INSPECT
- SWING ARM.....CHECK
- SWING ARM BOLT.....INSPECT
- POWERFLOAT/STRAPS.....INSPECT
- LOWER SUSPENSION STRAP.....INSPECT
- RIGHT SIDE HARNESSES CHECKLIST.....COMPLETE

ANGEL 140 RESERVE PARACHUTE (IF INSTALLED)

- ZIPPER, (2) SNAPS.....INSPECT
- SIDE PANELS.....TUCKED
- FRONT PANEL CORNERS.....TUCKED
- YELLOW BAR.....THREADED THROUGH (2) LOOPS
- RISERS.....ROUTED CORRECTLY/INSPECT
- RESERVE PARACHUTE CHECKLIST.....COMPLETE

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CAGE/CHASSIS

- RIGHT SIDE FRAME.....INSPECT
- RIGHT CAGE CLIP.....INSPECT
- LOWER RIGHT RIVETS AND NETTING.....INSPECT
- RIGHT LOWER SPAR.....INSPECT
- RIGHT UPPER SPAR.....INSPECT
- RIGHT VELCRO STRAP.....INSPECT
- RIGHT CONNECTION POINT.....INSPECT
- UPPER RIGHT RIVETS AND NETTING.....INSPECT
- CENTER RIGHT SPAR.....INSPECT
- CENTER LEFT SPAR.....INSPECT
- CENTER VELCRO STRAP.....INSPECT
- CENTER CONNECTION POINT.....INSPECT
- UPPER LEFT RIVETS AND NETTING.....INSPECT
- LEFT UPPER SPAR.....INSPECT
- LEFT LOWER SPAR.....INSPECT
- LEFT VELCRO STRAP.....INSPECT
- LEFT CONNECTION POINT.....INSPECT
- LOWER LEFT RIVETS AND NETTING.....INSPECT
- LEFT CAGE CLIP.....INSPECT
- LEFT SIDE FRAME.....INSPECT
- NETTING CROSS STRAP.....CONNECTED
- CAGE/CHASSIS CHECKLIST.....COMPLETE

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MOTOR AND POWER PLANT

- FUEL QUANTITY.....VERIFY
- FUEL TANK STRAPS.....CHECK/SECURE
- FUEL CAP.....CHECK/SECURE
- VENT LINE.....INSPECT
- PRIMER SYSTEM.....INSPECT
- MAIN FUEL LINE.....INSPECT
- CARBURETOR.....INSPECT
- HIGH JET, LOW JET SETTINGS.....VERIFY/INSPECT
- THROTTLE ARM, RETAINING CLIP.....INSPECT
- VACUUM LINE.....INSPECT
- BASE GASKET.....INSPECT
- CYLINDER.....INSPECT
- CYLINDER HEAD.....INSPECT
- SPARK PLUG AND SPARK PLUG CAP.....CHECK/SECURE
- EXHAUST MANIFOLD GASKET.....INSPECT
- EXHAUST MANIFOLD NUTS (2)INSPECT
- EXHAUST SYSTEM AND EXHAUST BOLTS (6).....INSPECT
- EXHAUST SILENCER BOLTS (2).....INSPECT
- EXHAUST SILENCER AND CLAMP.....INSPECT
- MOTOR MOUNTS (4).....INSPECT
- IGNITION COIL.....INSPECT
- GROUNDING CABLE, SPARK PLUG CABLE.....INSPECT
- CRANKCASE.....INSPECT
- LOWER PULLEY.....INSPECT
- BELT (CONDITION, TENSION).....INSPECT/CHECK
- UPPER PULLEY.....INSPECT
- PROPELLOR BOLTS (6).....INSPECT
- PROPELLOR.....INSPECT
- MOTOR AND POWER PLANT CHECKLIST.....COMPLETE

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BEFORE START

- | | | |
|--------------------------|------------------------------|-------------------|
| <input type="checkbox"/> | PRIME (IF NECESSARY)..... | COMPLETE |
| <input type="checkbox"/> | PULL START CABLE/PULLEY..... | INSPECT |
| <input type="checkbox"/> | SHOULDER STRAPS..... | ON/ADJUSTED |
| <input type="checkbox"/> | LEG STRAPS..... | ADJUSTED/FASTENED |
| <input type="checkbox"/> | WAIST STRAP..... | ADJUSTED/FASTENED |
| <input type="checkbox"/> | CHEST STRAP..... | ADJUSTED/FASTENED |
| <input type="checkbox"/> | STRAPS AND LOOSE ITEMS..... | SECURE/ZIPPED |
| <input type="checkbox"/> | CLEAR AREA..... | COMPLETE |
| <input type="checkbox"/> | BEFORE START CHECKLIST..... | COMPLETE |

LAUNCH

- | | | |
|--------------------------|--------------------------------------|--------------------------------|
| <input type="checkbox"/> | LEFT LEG STRAP..... | ADJUSTED/FASTENED |
| <input type="checkbox"/> | RIGHT LEG STRAP..... | ADJUSTED/FASTENED |
| <input type="checkbox"/> | WAIST STRAP..... | ADJUSTED/FASTENED |
| <input type="checkbox"/> | CHEST STRAP..... | ADJUSTED/FASTENED |
| <input type="checkbox"/> | HELMET STRAP..... | ADJUSTED/FASTENED |
| <input type="checkbox"/> | LEFT RISER..... | SECURED |
| <input type="checkbox"/> | RIGHT RISER..... | SECURED |
| <input type="checkbox"/> | SISTER CLIPS (SPEED BAR)..... | SECURED |
| <input type="checkbox"/> | CARABINERS (<i>DOOR</i>)..... | CLOSED/LOCKED |
| <input type="checkbox"/> | TRIMMERS/RISERS (<i>ROAD</i>)..... | SET, SYMMETRICAL, STRAIGHT |
| <input type="checkbox"/> | BRAKES..... | CORRECT HAND/CLEAR TO PULLEY |
| <input type="checkbox"/> | IGNITION/PULL-START..... | CLEAR AREA, "CLEAR PROP!" |
| <input type="checkbox"/> | WARM-UP..... | OPERATING TEMP (APPROX 2 MIN) |
| <input type="checkbox"/> | RUN-UP..... | FULL POWER AVAILABLE/KILL TEST |
| <input type="checkbox"/> | IGNITION/PULL-START..... | "CLEAR PROP!" |
| <input type="checkbox"/> | LAUNCH PATH..... | CLEAR ARRIVAL/DEPARTURE PATH |
| <input type="checkbox"/> | LAUNCH..... | WHEN READY |
| <input type="checkbox"/> | LAUNCH CHECKLIST..... | COMPLETE |