



Tips Tricks & Homebrew Tools

little things that will make your life easier from 15 years of operating gliders

HOW DO YOU LOAD & UNLOAD THE GLIDER CRATE BY YOURSELF?

Video of Loading crate

QR code

HOW TO RECOVER A GLIDER TROLLEY (FLIGHT-FRIENDLY CRADLE)

USE THIS DRAWING TO MAKE TWO TIMBER EMERGENCY CRADLE ENDS

PACK THESE IN YOUR SUITCASE WITH 8 SCREWS, DRILL & DRIVER BIT

AT YOUR DESTINATION VISIT THE LOCAL "HARPS BARN" & BUY TWO 35MM 75 / 90MM 1.8M FOR TRANSPORT 2.1M FOR GLIDER SERVICE

SAFE AND PRACTICAL EMERGENCY GLIDER CRADLE

ONCE THE GLIDER IS REUNITED WITH THE CRADLE, DISASSEMBLE

KEEP THE ENDS FOR NEXT TIME

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REPLACE THE VACUUM TOOL WITH A "CHAIR LEG TIP"

#SPOILER ALERT IT'S HEAPS EASIER TO USE

RATHER THAN TRY AND SET THE VACUUM IN ONE GO WE SET THE VACUUM HIGHER THAN IT NEEDS TO BE. THEN, ONCE THE GLIDER IS TURNED ON & REPORTING VACUUM, BLEED AIR BACK IN TO PRECISELY SET THE VACUUM.

PLACEMENT OF THE RUBBER TIP IN THE FREEZER. THIS MAKES IT HARD ENOUGH TO DRILL THE 3MM HOLE

FULLY TIGHTEN THE VENT PLUG THEN BACK IT OFF EXACTLY 5 TURNS (EXPOSES THE AIR VENT)

ONCE THE GLIDER IS TURNED ON & REPORTING VACUUM, BLEED AIR BACK IN TO PRECISELY SET THE VACUUM

sensor: m_vacuum = 9.94595293048293 Lnhg
11.51 64 sensor: m_vacuum = 9.77591282051281 Lnhg
5.57 65 sensor: m_vacuum = 9.37407673992674 Lnhg
9.65 66 sensor: m_vacuum = 8.9375394840659 Lnhg
3.67 67 sensor: m_vacuum = 8.4807716091566 Lnhg
7.21 68 sensor: m_vacuum = 8.0395349816849 Lnhg
1.78 69 sensor: m_vacuum = 7.6305311355313 Lnhg
9.94 70 sensor: m_vacuum = 7.183774725274 Lnhg
4.83 71 sensor: m_vacuum = 7.859822052742 Lnhg
3.83 72 sensor: m_vacuum = 6.83701062271062 Lnhg
2.21 73 sensor: m_vacuum = 6.51621227106228 Lnhg
6.22 74 sensor: m_vacuum = 6.39625989910999 Lnhg
6.32 75 sensor: m_vacuum = 6.315892673991566 Lnhg
4.37 76 sensor: m_vacuum = 6.32802252747252 Lnhg
8.46 78 sensor: m_vacuum = 6.32308342496842 Lnhg

RL-A Z for help | 115200 8N1 | NOR | Mincom 2.8

APPLYING A VACUUM IN THE FIELD DOESN'T HAVE TO SUCK.

THESE PORTABLE REFRIGERATION PUMPS ARE JUST THE TICKET

IF UPENDED DURING TRANSPORT, HOWEVER, THEY SPILL THEIR LIQUID

STANDARD "VENT" PLUG MUST BE INSTALLED BEFORE USE

"VENT" IS STANDARD PLUG FOR OPERATIONAL OR BAD THINGS WILL HAPPEN

TAKES ME TO "THINGIVERSE" TO GET THE 3D MODEL FILE

QR code

POWER TOOL BATTERY IS YOUR FLIGHT-FRIENDLY FIELD POWER SUPPLY

AIRPORT SCREENING ARE FAMILIAR WITH POWER TOOL BATTERIES IN YOUR CABIN BAG! KEEP YOURS UNDER 100WH

MULTIPLY AH BY VOLTAGE TO GET LWH (5AH@18v = 90WH)

"POWER MOUNT" CLIPS TO THE BATTERY AND GIVES YOU RED & BLACK WIRES

LIKE A POWER BANK ON STEROIDS CHARGE LAPTOPS USBs & ...

XT60

AUS3.63 AT

5 pair

THE LOOONG SOCKET

THE 32MM NYLOCK CAN THEN BE EASILY (BUT CAREFULLY!) RATTLED ON AND OFF USING AN IMPACT WRENCH

EXCHANGING A DIGI OR RADOME FIN INVOLVES THE NYLOCK NUT FROM HELL. NO WRENCH CAN FIT

THE ENTIRE FIN CABLE HARNESS CAN BE ACCOMMODATED INSIDE THE SMOOTH INNER SURFACE OF THE EXTENSION PIPE

SLICE A 32MM NYLOCK 1/2 & EXPAND IT WITH 450MM OF STEEL TUBE (WELDING)

CROSS PLATFORM ALTERNATIVE TO GLIDER_VIEW

GLIDER_VIEW'S A WINDOWS APP FROM WEBB TO PLOT UP TEST DIVE DATA OFFLINE

CONTRIBUTE TO OR GET CODE AT https://GITHUB.COM/DENNISTANLEYTOFWEBB.DIVE_SUMMARY_PLOT

```

if __name__ == "__main__":
    if len(sys.argv) > 1:
        if sys.argv[1] == "plot":
            plot()
        else:
            print("Unknown command")
    else:
        print("No arguments provided")

```

MAC USERS COME SEE ME WE CAN TRY AND WORK IT OUT

THIS CROSS PLATFORM PYTHON SCRIPT INSTANTLY GENERATES AN OFF-LINE DIVE SUMMARY LIKE THIS

WORKS IN LINUX & WINDOWS

ORGANIZES DIVE DATA INTO FOLDERS

NEEDS BINARY "EXECUTABLES" DDD2ASC AND DDD2ASC.EXE (PROVIDED BY WEBB) (USE THE LATEST VERSION !!!)

OPEN LICENSE



SLOCUM BASIC MAINTENANCE
IT'S WHAT YOU LEAVE OUT THAT MAKES IT LIGHTER

- MULTIMETER UT210E
- MINI MUTIBIT SCREWDRIVER
- BITS FOR EMERGENCY CRADLE
- HEX KEYS 1/16 - 3/16 *C
- MULTI "TAMPER PROOF" FAUCET HANDLE
- 1/4 INCH SQUARE DRIVE HANDLE, EXTENSION SOCKETS
- 1/4 INCH DRIVE HEX KEYS 7/64-3/16 *C
- 150MM ADJUSTABLE WRENCH (LOBSTER BRAND)
- 12V SOLDERING IRON *C
- 1/2INCH HULL TOOL ADAPTOR *C
- TWEEZERS
- SPARE VAC TOOL *C
- NAIL FILE
- SPARE GREEN PULG
- FLASHLIGHT
- SNAPOFF BLADE KNIFE
- EMERGENCY CUTLERY
- 1000G SPRING SCALE
- 1/4 INCH COMBINATION WRENCH
- LEATHERMAN TOOL (OR SIMILAR)
- WIRE CUTTERS
- MULTIBIT SCREWDRIVER

*C CUSTOM