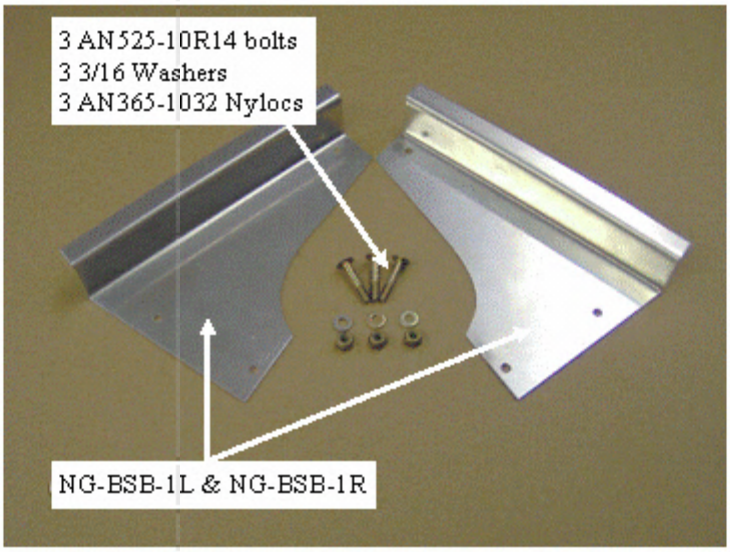
If you are a light weight pilot you may need to mount the battery in the front. Here is a way to make a battery support bracket that attaches to the nose gear structure.

Battery support bracket installation Instructions.

This battery support bracket installation is designed to hold a 12v 18amp hr Rechargeable sealed lead acid battery.
Dimensions of battery - 7.13" x 2.99" x 6.57".
Weight 15lbs.

Material nor parts are supplied as we do not know what size battery you will by using if any. We have material and hardware available or you can purchase what you need from Wicks, Aircraft Spruce or other supplier. We used 6061-T6 .063 aluminum sheet which worked out quite well.

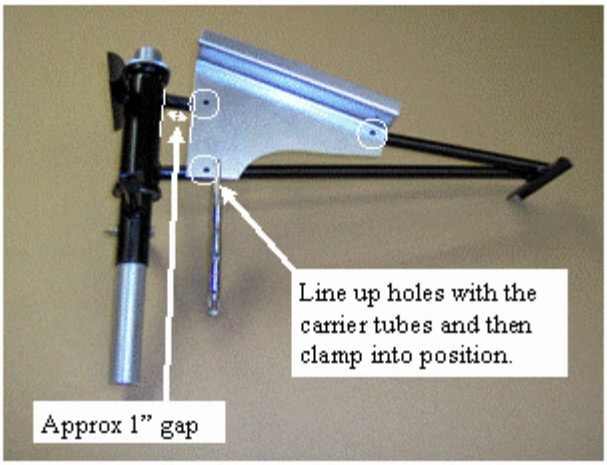


Important.

This assembly is required PRIOR to installation of the nose wheel carrier onto the aircraft.

BATTERY SUPPORT BRACKET INSTALLATION INSTRUCTIONS

1. Align the brackets as shown and clamp them in position, approx 1" parallel with the shaft and line up the holes with tubes.

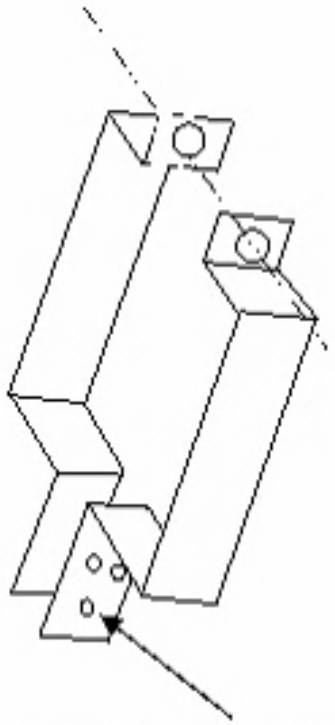


2. Drill three holes into the tubes using the existing holes on the brackets as a guide. be sure to drill on centerline of tube. Insert each bolt and tighten them down as you proceed

3. The bracket assembly will have an 'up' angle. This is to compensate for the angle at which the nose gear carrier sits. The battery support assembly should be level when the aircraft is straight and level.

   The nose gear carrier can now be installed as per building instructions.

Use .062 x 1" 6061-T6 aluminum or .032 x 1" stainless steel. Other methods of securing battery will work but be sure that battery mount and securing strap will withstand 4 times the battery weight up and down and at least the actual battery weight side to side.

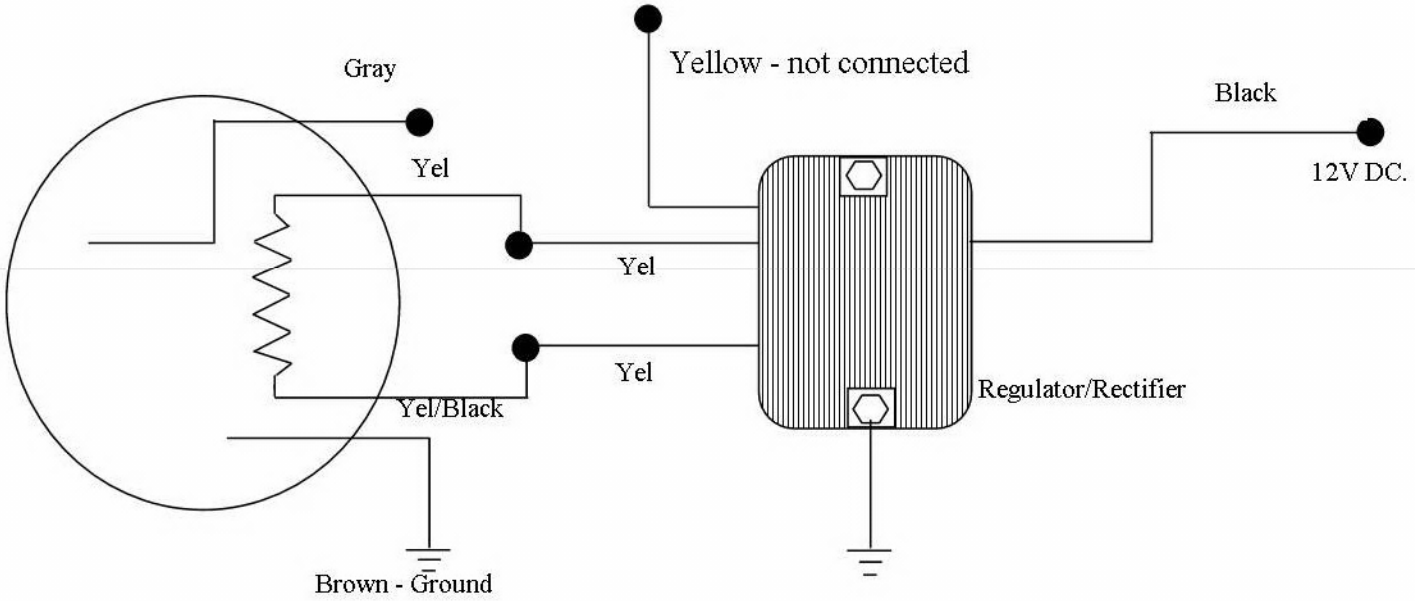


Stainless 1/8" rivets

Fashion a battery clamp from 1" aluminum or stainless steel strip stock approximately as shown. Attach bottom part of strap to battery tray bracket with bolts or SS rivets. Top of clamp can be secured with 3/16" bolt and nyloc nut. Parts are not included since everyone has there own preferences to installing the battery.


Run battery vent tube down and out the bottom of fuselage.
Insert foam padding under top of clamp to help secure and protect battery.
f you weigh more than 250 os you may need to put the attery in this location ehind the fuel tank.
14 amp battery okay for qcu starter but 18 amp for GPL starter.

How to connect the 3 phase reg/rect.



Special 3 phase regulator/rectifier unit connects directly to lighting coil. Produces 12V DC. current. Ideal for charging batteries and other accessories requiring 12V DC. Easy four wire hook-up. 'Fins help dissipate heat during full load operations. This unit does not require a 'minimum load'. The yellow wire not used can be used as back-up circuit or to directly power gauges and other accessories requiring 12V DC.