

# Wave Blasters Club Rules

## SuperVee "Modified" Class

This class is a Modified series for the AquaCraft SuperVee27® (SV27) RTR Brushless Mono. Only a select set of well defined modifications will be allowed. The boat will otherwise remain OEM stock. **Propeller, turn fins & connectors can be upgraded + 4s-2p Lipo's**

### **Allowed Modifications:**

The SV27 must remain in stock form, using only OEM parts as delivered, with the exception of the following allowances:

1. Factory flex cable assembly and motor coupler may be replaced with any .150" Flex cable assembly and appropriate motor coupler. The distance from the transom to the propeller shall not be significantly altered. Motor output shaft may be trimmed to facilitate installation of motor coupler and to increase coupler to stuffing tube clearance.
2. Strut housing may be clearanced at the forward end to remove interference with transom, but no further aft than the leading edge of the struts vertical mounting bracket.
3. Holes in the stock trim tabs may be opened up to allow tabs to be aligned flush with the bottom of the hull. Alternate trim tabs may be fitted provided they serve no other purpose and that the wetted area does not exceed 33mm (1.3 in.) in length by 29mm (1.14 in.) in width. Alternate tabs may be adjustable. Alternate tabs must be mounted in the OEM location and have the width of the wetted area centered on this location.
4. **Stock turn fin may be replaced. A turn fin may be added to the left side of the hull and the leading edge of either one or both may be sharpened.**
5. Stock rudder may be sharpened and water cooling hole may be cleaned up to improve cooling. No other modifications to rudder are permitted.
6. Motor Water cooling jacket may be replaced. Water cooling outlet may be modified or replaced. Water cooling tubing may be replaced.
7. Receiver and transmitter may be replaced. An FM Radio package is recommended.
8. Any antenna may be used. Holes may be drilled in the hull to mount a replacement antenna, provided they serve no other purpose. Existing antenna hole may be filled or covered.
9. The hull, from the chines up, may be painted or have graphics applied as desired. Hull bottom may be "scuffed", but must otherwise remain stock.
10. Any adjustment within the designed range of adjustment for any part is permitted. No part may be modified to provide adjustment beyond the given factory tolerances.
11. Fasteners may be replaced with metric or standard replacements.
12. The forward portion of the wooden battery tray may be modified and velcro may be added to facilitate adjusting battery location forward.
13. Hatch may be taped down. Factory locking mechanism may be removed and existing holes filled or taped over.
14. Battery requirements: Any Battery connectors, example 5.5 bullets may be used. Any capacity Sub-C NiMh 12-cell or 4 cell (4s-2p) Lipo battery sets will be permitted.
15. **"Any propeller may be used"**

No other modifications or substitution of parts is permitted. Any repairs required do to race damage must be done in a fashion so as to return the SV27 to it's factory specifications. Inspection for compliance with these rules will be at the discretion of the event CD, and boats exhibiting modification or unauthorized repairs beyond the scope of these rules will be excluded from competition.