

Notes: Race/Driver's Meeting



2010 RULES AND REGULATIONS



Revision: 1 Mar 2010

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portion of the center pod. The outside sponson may extend 4" aft the center pod measured from the farthest rear portion of the center pod. The furthestmost bottom of the outside sponson must be no farther forward than 36" from the top of the transom.

21. **Tunnel-Vee Hull:** A production modified vee bottom boat. Center pod must be even to or deeper than the outside sponsons at least 8" wide and 36" long measured from the farthest rear portion of the center pod. The furthestmost bottom of the outside sponson must be no farther than 36" from the top of the transom.
22. **True Tunnel Hull:** A production boat designed for formula one or champ boat classes. Center pod (if it has one) is more than 7/8" shallower than the outer sponsons. It is designed to run on the outer sponsons only.
23. **Tuned Stacks:** Exhaust stacks or expansion chamber pipes placed directly in the exhaust port bypassing the exhaust chamber and midsection. (Similar to motorcycle pipes.)
24. **Electronic Fuel Injection:** Manufactured by/for Mercury and Mariner Marine. Components may be changes as listed:
  - ✓ Injectors as per manufactured
  - ✓ Fuel rail as per manufactured
  - ✓ Aftermarket fuel regulator and fuel pump allowed
  - ✓ Aftermarket TPI allowed on EFI not equipped with internal TPI
  - ✓ Factory air plenum can be modified but **must** maintain original shape and contour. Center horn EFI specs:
    - i. 2.4 L 7 5/8" long +/- 1" = 3 1/8 bore +/- 1/4"
    - ii. 2.5 L 8" long +/- = 3 3/8 bore +/- 1/4"
  - ✓ Reed space plates allowed.
  - ✓ ECU cannot be modified in *Super Stock, Modified Production or Ski/Bass* (anything goes in *Unlimited, Pro-Fuel, and Pro-Gas*). **Must** be plug compatible without additional sensors and leads. Wiring harness and pin connectors **must** be original.
  - ✓ No aftermarket "chips" in *Super Stock, Modified Production, Pro/Ski Bass*.

11. **Helmet Restraint System:** A lightweight strap assembly worn around the chest and under the arms with (5) five straps attaching to the helmet designed to prevent neck injuries. Can be purchased from *Lifeline Corp.* The contact information for *Lifeline Corp* is (928) 669-9241, Fax (928) 669-8895, [sales@lifelinejackets.com](mailto:sales@lifelinejackets.com).
12. **High Octane Fuel:** (gasoline only) aviation fuel, V-P fuel, cam-2, etc.
13. **Lower Unit Assembly:** Gear Case Housing, Gear Set, Drive Shaft, Prop Shaft, and Water Pump Assembly.
14. **Multi-Carburetor Set-Up:** The addition of carburetors over the original production model Configuration, either single or dual throat.
15. **Over Bore:** Cylinders containing more cubic inches than originally manufactured. Calculate handicap weight as follows:

(3.146) (radius square) stroke	= Total cubic inches
Total cubic inches-original cubic inches	= Additional cubic inches
(additional cubic inches) 5 lb.	= Handicap

16. **Qualified Driver:** The ability to safely operate the boat, in which they are driving, decided by the *Safety Representative*.
17. **Special Production Motor:** Any production engine with modifications by a high performance division or performance group.
18. **Pleasure Craft:** An industry recognized recreational boat. Must have original interior design including seats and carpet (if originally equipped). Minimum of (2) two seats.
19. **Competition Hull:** An industry recognized race boat. Primarily a single occupant design. Rules committee will decide on questionable designs.
20. **Modified Tunnel Hull:** A production modified tunnel boat. Center pod can be a maximum of  $\frac{3}{4}$ " less than the outer sponsons. Center pod must maintain minimum width of 12" and not exceed maximum width of 24" at least 8' forward from the furthest rear

## 2010 ECDBA Officers

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## DEFINITIONS

## GENERAL RULES

1. All race boat drivers and team members are responsible for the entire contents of the rule book before race day.
2. Racers shall be a member in good standing with the East Coast Drag Boat Association. 2010 membership fees are as follows:
  - ✓ **Membership** \$ 275.00\* (\*\$75.00 of \$275.00 Membership is for AOF Membership)
  - ✓ **Associate Membership** \$ 30.00
  - ✓ **One Day Membership** \$ 100.00
3. All entries **must** be registered *one hour prior* to commencement of the scheduled race time. **There will be no entry fee refunds after the drivers meeting.**
4. **ALL MUST BUY FUEL AND OIL AT THE RACE SITE.**
5. Entry fees are listed on the individual class sheets.
6. The technical inspectors may require spot inspections at any time (fuel, weight, motor, boat, etc.). **Unannounced periodic tear down of engines will be performed at the discretion of the technical inspector.**
7. **All boats must first pass pre-race inspection (visual and safety inspection) before they are allowed to register, test, or race.** Weighing of boats is recommended for pre-race inspection. Boats with added weight **must** have weight secured and marked by race official. Legal unsecured weights are shot bags or sand bags fully wrapped. Race officials will decide whether or not a boat will be allowed to race in class desired.
8. No riders in race boats for additional weight even if they have proper safety equipment.
9. All decisions by inspectors, race officials, or rules committee are **final**. Changes to rules can only be made by the Rules Committee in concurrence with the majority of class participants.
10. The race course will be **1,320 feet**. Winners will be decided by double elimination brackets. Bye runs and legal singles are considered a win and **do not** have to be run. All winners will be determined by **video tape finish**. **All decisions by the race judge**

1. **Associate Member:** A non-racing member. Allows one person to be admitted to each race. This also includes being on the mailing list and voting privileges at the annual banquet.
2. **Membership:** Enables a person to race and score High Points at each event held by the association. It includes admittance for three people at each race. It also allows a person voting privileges. This also includes being on the mailing list.
3. **One-Day Member:** A racing membership good for the day of the race.
4. **Boat Weight:** Weight of boat suspended above trailer to include driver with all safety gear and added weight, drain plugs opened. Includes gas burned during running of class. Any weight under the required weight will result in disqualification. See General Rules.
5. **Cool Cans:** Any device used to alter the ambient temperature of fuel.
6. **Dual Steering:** Twin ride-guide type cables that are either in the same direction or from opposing directions designed to stabilize horizontal movement of the powerhead and improve the handling characteristics of the race boat. Also includes cable type race steering on competition style race boats designed for this type of steering.
7. **DNF:** Did not finish the race under own power. Must take start flag to receive participation points.
8. **DNS:** Did not start the race under own power. A DNS will not receive participation points for that day.
9. **Factory Race Engine:** Any engine offered by a high performance group (2.4 EFI, 2.5 EFI, Hydro-Tec Yamaha, etc.).
10. **Fuel Test:** The fuel test will be conducted to check for any fuel additives or oxygen enhancing chemicals. The test may be, but not limited to:
  - ✓ **Digatron DT-1500 Fuel Test Meter**
  - ✓ **Specific Gravity Test**
  - ✓ **Water solubility Test**
  - ✓ **Ceric Nitrate Reagent Test**

## EMISSIONS PERFORMANCE STOCK

1. **MUST BE A BONE STOCK GREEN MOTOR.**
2. **MINIMUM LENGTH OF 18'.**
3. **LOW WATER PICKUPS ARE ALLOWED**
4. **< or = 250 HP WEIGHT IS 1650#**
5. **> 250 HP WEIGHT IS 1750#**

**are final.** Racers are urged to run past the finish buoy in the event it is moved by wind or current. The camera is equipped with a stationary finish line. There can be public viewing of the video tape at the time of replay only.

11. Refueling will be allowed only if there are (11) or more boats in a class. There will be **only one refueling** per boat. Race officials may require a fuel sample from the boat before refueling is allowed. The race judge is to rule on the designated class before refueling is allowed.
12. The top (3) finishing boats (depending on number of class entries) will be inspected and weighed. All drivers **must** remain in their boat until weighed and inspected. Only the boat driver, vehicle driver, and trailer assistant are allowed near the boat until after inspections. Boats will only be weighed one time. Boats weighing less than required limit are disqualified and all prizes revoked. Weight infraction violations of over 30lbs. may constitute barring from competition for the remainder of the season. **Drivers are responsible for the weight of the boat including fuel burned during the race.** Gas weighs 6.5 lbs. per gallon. Zero tolerance on underweight. **No excuses for boat weighing light, period!**
13. Any boat receiving a DNF **must** report to scales and fuel test at the discretion of the Race Official. Failure to appear will be considered a gross infraction.
14. All fuel to be tested in accordance with **ECDBA 2010 guidelines.** Fuel samples are to be taken from inspector's choice of locations. Pre-race fuel checks will be limited to **Digatron DT 1500 meter.** Pre-race fuels checks will be limited to one per day.
15. All boats **SHOULD** display their number visible to all officials on both sides of the boat. Size of the number is to be **at least 10" tall and 2" wide, sharply contrasting** with the boat color. (*Tape is okay temporarily.*) Numbers will be applied for on application for race association membership and on a first come first serve basis for one day members. Yearly members will maintain their number for one calendar year.
16. Drivers failing to report to the ramp area after the last call will be disqualified. Once in the ramp area, drivers will be limited to (3)

three minute repair time on any problem. Once in the water any delay of more than (5) five minutes will constitute a one round loss. At no time can a boat or driver receive physical help from the bank after the 1<sup>st</sup> heat begins.

17. All **outboard race boats** will be required to start a race by a constant 1000–1500 RPM, approximately 6.5 to 7.5 mph, as determined by the pace boat (this format is commonly known as **in-gear idle**).
18. Flags:
  - ✓ **Red:** on judges stand to signal course is closed. Course will be black flagged prior to the start of the race after testing and for accidents or obstructions on the course.
  - ✓ **White:** used as the start flag for each race.
  - ✓ **Colored:** definition of other color flags will be covered at the drivers' meeting.
19. **Registered boat drivers must attend the drivers meeting.** No substitutes from pit crew or spouses and you **must** answer the roll call by boat number registered.
20. **The second false start per bracket race charged to a driver will constitute a one round loss.** The third false start charged in a class is a disqualification for that class for the day.
21. When turned around by the flagman, **remain off plane to prevent rollers** on the race course.
22. Crossing over or outside lanes during a race will constitute a loss.
23. Drivers should proceed in single file at approximately **30 mph** on the initial or return trip to the starting area, down the **CENTER** of the course..
24. All external drain holes in the boat **must** be plugged from the outside. Flapper plugs will be allowed.
25. All outboard engines are limited to **(6) six cylinder** configuration **unless noted in class rules.**
26. Boats with driver restraint systems **must** have **ENOUGH FLOTATION TO FLOAT ENTIRE BOAT. DRIVER, AND CAPSULE.**
27. **IF YOU DO NOT HAVE FLOTATION, YOU CANNOT USE RESTRAINTS. IF YOU HAVE FLOTATION AND RESTRAINTS, YOU ARE REQUIRED**

## Drag King \$100 Entry Fee

1. No minimum weight.
2. 16' minimum boat length.
3. Any engine modification.
4. **No Nitrous Oxide or Fuel Additives.**
5. **Must** use Fuel sold at race site.
6. ***Hot Foot & Trim on wheel*** required.
7. ***Kill switch*** required on motor.

## Unlimited

1. Boats: Any hull configuration allowed.
2. Any fuel, oil, and any additives allowed.
3. Turbochargers or blowers may not be used in conjunction with nitrous oxide.
4. Stutter boxes allowed.

**ALL BOATS MUST WEIGH 1350#**

**ALL BOATS MUST WEIGH 1350#**

**TO WEAR THEM. IF CAUGHT NOT FOLLOWING THIS RULE YOU WILL BE DISQUALIFIED.**

28. Cubic inch handicap for altering a motor for more than (0.030) over originally equipped is 5 lbs. per cubic inch. (Stroker motors or over-bore more than (.030). Pro Carb, Pro-Fuel, Pro-Gas, and Unlimited Outboard excluded.)
29. Minimum boat lengths are present in the class rules.
30. Payback of entry fee excludes \$10.00 per boat will be kept for high points. 20% of the total class purse will be retained by the association for administration of the association and for purchases of equipment as the members deem necessary. Each class will pay (1<sup>st</sup>) first and (2<sup>nd</sup>) second places. If there are (11) eleven or more boats in a class, that class will pay (3<sup>rd</sup>) third place. The percentages paid for each place are listed below:
  - ✓ **For (10) or less boats**
    - i. 1<sup>st</sup> 65%
    - ii. 2<sup>nd</sup> 35%
  - ✓ **For (11) or greater boat class**
    - i. 1<sup>st</sup> 65%
    - ii. 2<sup>nd</sup> 25%
    - iii. 3<sup>rd</sup> 10%
31. The 2010 High Points Champion will be determined by a Full Member Boat Owner who has the most points awarded to him in each class. Multiple boats per owner will be scored separately.
  - ✓ 1<sup>st</sup> Place 10 pts.
  - ✓ 2<sup>nd</sup> Place 9 pts.
  - ✓ 3<sup>rd</sup> Place 8 pts.
  - ✓ 4<sup>th</sup> Place 7 pts.
  - ✓ 5<sup>th</sup> Place 6 pts.
  - ✓ 6<sup>th</sup> Place 5 pts.
  - ✓ 7<sup>th</sup> Place 4 pts.
  - ✓ 8<sup>th</sup> Place 3 pts.
  - ✓ 9<sup>th</sup> Place 2 pts.
  - ✓ 10<sup>th</sup> Place 1 pt.
  - ✓ Participation 1 pt.

32. Disqualified drivers will not receive any points for that day. DNF to receive points based on finish after weight and fuel check.
33. Protests **must** be written and filed within 30 minutes after that class is through racing. A protest may not be filed before a boat has raced. The protester will be allowed a visual inspection only of the protested motor prior to tear down. Only a written protest signed by boat owner and/or driver will be accepted. Protest **must** be filed at the judges' stand at a cost of \$25.00 to the protestor. The \$ 25.00 fee will be paid to the **ECDBA**. Boat owner and /or driver will receive all fees if legal. If illegal, all fees except \$25.00 go the protester. Cash protest fees are as follows:
- ✓ Complete Powerhead \$175.00
  - ✓ Front Half (intake, reeds & blocks, rods) \$100.00
  - ✓ Back Half(heads, exhaust divider, tuner) \$100.00
  - ✓ Boat (Complete Inspection) \$100.00
  - ✓ Lower Unit (gearing, shiftable) \$75.00
  - ✓ Over Bore (stroke, bore) \$75.00
34. During a tear down inspection only owner and/or driver, engine inspector, and race referee will be allowed in the designated area. After one warning any violators will be disqualified in their class.
35. In the event of a gross premeditated infraction, the driver will be disqualified for *one calendar year from the date of the infraction*. Gross infractions are:
- ✓ Boat weighing (30 lbs. or more) less than required class weight
  - ✓ Refusal to weigh
  - ✓ Refusal to tear down
  - ✓ Refusal of boat inspection
  - ✓ Refusal or failure of fuel test
  - ✓ DNF not reporting to fuel test and scales
  - ✓ Endangering the public or competitors with a grossly negligent driving style or maneuver
  - ✓ Refusal of drug or alcohol test on driver
  - ✓ An infraction of weighing less than (30) lbs of your designated weight will constitute disqualification for the day.

<b>Pro Carb Setup</b>	
<i>With engines conforming to Pro Carb rules (Pro-Carb engines must run under these Pro-Carb Rules):</i>	
Mercury 153 ci.	1715 lbs. minimum weight
Mercury 142.2ci."behind the liner"	1590 lbs. minimum weight
Mercury 142.2ci.	1515 lbs. minimum weight
Mercury 122ci. "behind the liner"	1465 lbs. minimum weight
Mercury 122ci.	1390 lbs. minimum weight
OMC V6 Looper	1740 lbs. minimum weight
Yamaha 2.6 Liter	1715 lbs. minimum weight
Yamaha 2.6 Liter "long rod"	1740 lbs. minimum weight
OMC 3.3 Liter Carburetor	1815 lbs. minimum weight

<b>Modified Production Setup</b>	
<i>Modified Production Setup with motors/rigging conforming to Modified Production rules (no small gear cases or aftermarket ignition)</i>	
Mercury Center Horn 2.5 Liter EFI	1700 lbs. minimum weight
Mercury Center Horn 2.4 Liter EFI	1560 lbs. minimum weight
Mercury SVS Drag 2.5 EFI 2001 & Newer	1715 lbs. minimum weight
Mercury 2.5 Liter Carb	1585 lbs. minimum weight
Mercury 2.4 Liter Carb	1510 lbs. minimum weight
Mercury 2.5 Liter Pro Max/Laser	1660 lbs. minimum weight
OMC 3.0 Liter Carb	1635 lbs. minimum weight
OMC 3.0 Liter Factory EFI	1710 lbs. minimum weight
Yamaha 2.6 Liter Carb	1610 lbs. minimum weight
Yamaha 2.6 Liter Factory EFI	1710 lbs. minimum weight
Mercury 300X EFI	1735 lbs. minimum weight
OMC E-TEC 3.3 to 3.4 Liter	1750 lbs. minimum weight
Mercury 3.0 Pro Max	1710 lbs. minimum weight
Mercury 3.0 Carb	1610 lbs. minimum weight
<b>Pro Gas Setup</b>	
<i>With motors/rigging conforming to Pro Gas Rules:</i>	
Mercury & Yamaha Small Block	1815 lbs. minimum weight
OMC, Yamaha & Mercury Big Block	1840 lbs. minimum weight
<i>With OMC V8 motors/rigging conforming to Pro Gas Rules</i>	1865 lbs. minimum weight

36. One boat can constitute a class provided it is an established class. That boat must pay and make a completed run past the finish line in order to constitute a win for that class.
37. Studs are allowed in all classes.
38. Pre-weighing and inspection of boats will begin at 8:30am on race day.
39. Bracket positions (run order) will be drawn from a deck of cards at the drivers meeting. If a boat scratches prior to the first heat, the original bracket sheet will be revised to reflect new configuration.
40. All new products manufactured, released, or made available to the public after decisions have been made for 2010 rules will be reviewed by the *Association* before use.
41. Cowlings are required in all classes, but may be modified.
42. No 2-speed or air shift transmissions or gear cases allowed in any class except Unlimited.
43. Where a 12" mid-section is allowed, it must measure a full 12 inches at the can. This measurement will be between the top and bottom mounting surfaces, and must be 12". No exceptions.
44. **All general rules to supersede class rules. When in doubt about a rule, please ask for clarification.**

## ECDBA CODE OF CONDUCT

**ECDBA CODE OF CONDUCT:** The ECDBA expects its members to conduct themselves in a professional manner at all times during the course of a race weekend. This includes, but is not limited to, personal or team conduct at locations such as the race site, hotels, restaurants, or other local facilities. No driver/owner or team will be allowed to participate in any ECDBA sponsored event while displaying any lewd, abusive, vulgar or obscene language and/or image, etc. Issues resulting from such activity can be considered a gross infraction and will be dealt with as noted in the “Protests/Infractions” section.

OMC 3.0 Liter Looper Carb	1465 lbs. minimum weight
Yamaha 2.6 Liter Carb	1465 lbs. minimum weight
OMC E-TEC 3.3 to 3.4 Liter, 50 cc Head minimum	1550 lbs. minimum weight
<b>Super Gas Setup</b>	
With motors/rigging conforming to <i>Super Gas Rules</i>	1665 lbs. minimum weight
<ul style="list-style-type: none"> <li>✓ Production short-block, assembled, built or manufactured by a high-performance division, group or subsidiary of current <b>APBA</b> marine product manufacturers will be allowed except as noted. Engines <b>must</b> be marketed and distributed in the United States. Engines <b>must</b> be available through a normal or high-performance dealer network and offered for sale with a warranty from the original manufacturer’s authorized high-performance division.</li> <li>✓ Short-block alterations of any kind are not allowed except as noted. No blueprinting, polishing, grinding, balancing, feathering, etc.</li> <li>✓ Short-block with steel sleeves may be decked a maximum of 0.010”. Cylinder overbore limited to size of available OEM service parts.</li> <li>✓ Any modifications external to the short-block are allowed except as noted. Neither ignition stutter boxes nor throttle positioning devices are allowed.</li> <li>✓ Clamp and swivel bracket <b>must</b> be an OEM part. Clamp and swivel bracket may be lightened, but not removed. No custom clamp or swivel brackets allowed.</li> <li>✓ Gear case <b>must</b> be shiftable (forward, neutral, reverse) from the driver’s seat. Gear case <b>must</b> be an OEM part for LIKE MANUFACTURER. No small gear cases.</li> <li>✓ Short shaft midsections are allowed. 15” minimum length as measured from the powerhead flange to gear case flange. Midsections shortened to 15” <b>must</b> use OEM parts for that model motor. No Champ-type midsections.</li> <li>✓ Mercury/Mariner 2.5 Liter Drag/S3000 powerhead is not allowed.</li> </ul>	

## Lake Racer

1. Boats: Regular production open cockpit Ski or Bass Boats originally configured with seating for 3 or more people. 3 seat boats must race with all 3 seats in the boat.
2. Fuel: **Must** purchase and use fuel and oil sold at race site only. No additives allowed.
3. See Fuel/Technical rule #5 applies.
4. No nitrous or any other type bottle pressure injection. No bottles in boat, solenoids disconnected.
5. **THE BRUCATO BOX IS LEGAL, BUT CANNOT BE ADJUSTABLE AT THE DRIVER'S SEAT**

Specific Motor Rules and Minimum Weights	
<b>Super Stock Setup with motors/rigging conforming to Super Stock Rules:</b>	
Mercury HP 2.5 Liter 260 EFI	<b>1525</b> lbs. minimum weight
Mercury HP 2.5 Liter 300 Drag	1550 lbs. minimum weight
Mercury Eyebrow Drag with Air Horn	1560 lbs. minimum weight
Mercury Eyebrow Drag with SVS (stock configuration)	1570 lbs. minimum weight
Eyebrow Motors with O Ring Heads add 10 lbs. O Ring head allowed # 43.9cc #849496-9	1570 lbs. (with Air Horn) minimum weight 1580 lbs. (with SVS)
280 with 260 EFI electronics	1525 lbs. minimum weight
Mercury HP 2.5 Liter 280 EFI	1390 lbs. minimum weight
Mercury HP 2.5 Liter 240 carb	1465 lbs. minimum weight
Mercury Pro Max/Laser 2.5 Liter EFI	1465 lbs. minimum weight

## SAFETY RULES

1. In all classes racers **must** be qualified drivers. It is a requirement of the **ECDBA** that all new drivers or drivers with new boats make a solo safety pass in the boat they are registered to race. This **must** be observed by the **Safety Representative** who will certify the driver as qualified.
2. **Kill switches are mandatory in all classes. When the boat is equipped with electric fuel pump, kill switches are to stop power to both engine and electric fuel pump. On outboards, this may require an additional kill switch since the ignition kill switch is a ground type kill switch, and the fuel pump requires an open circuit type kill switch.** Boats with a restraint system will require a roll over type kill switch. The kill switch tether **must** be sufficient enough to activate the switch with a force of less than 30 lbs. pulling strength. The kill switch tether **must** be attached to the jacket to a point that is sufficient to activate the kill switch. Boats with reinforced cockpits equipped with electric fuel pumps **must** have fuel pump shut down switch adjacent to the engine shutoff switch. It will be clearly marked *"Fuel Shutoff Switch"*. Those switches may be combined into a single make or break style switch if desired.
3. Anyone starting or running any outboard motor over land or dry dock with the propeller, propeller washer or thrust washer on the lower unit will be **disqualified for 30 days**.
4. **No engines started before church is over on Sunday event days, unless notified otherwise. (This is race location dependent.)**
5. Engines **must** be securely bolted to transom or set back devise.
6. All race boats **must** have dual steering, race cable steering, or hydraulic steering.
7. Foot throttle and trim buttons on wheel or floor are required in all boats.
8. All race boats **must** have a permanently attached fire extinguisher fully charged. It **must** be accessible from driver's seat.
9. **Racers in all classes must wear approved jackets. See class sheets for jacket requirement. It is MANDATORY that Lifeline jackets**

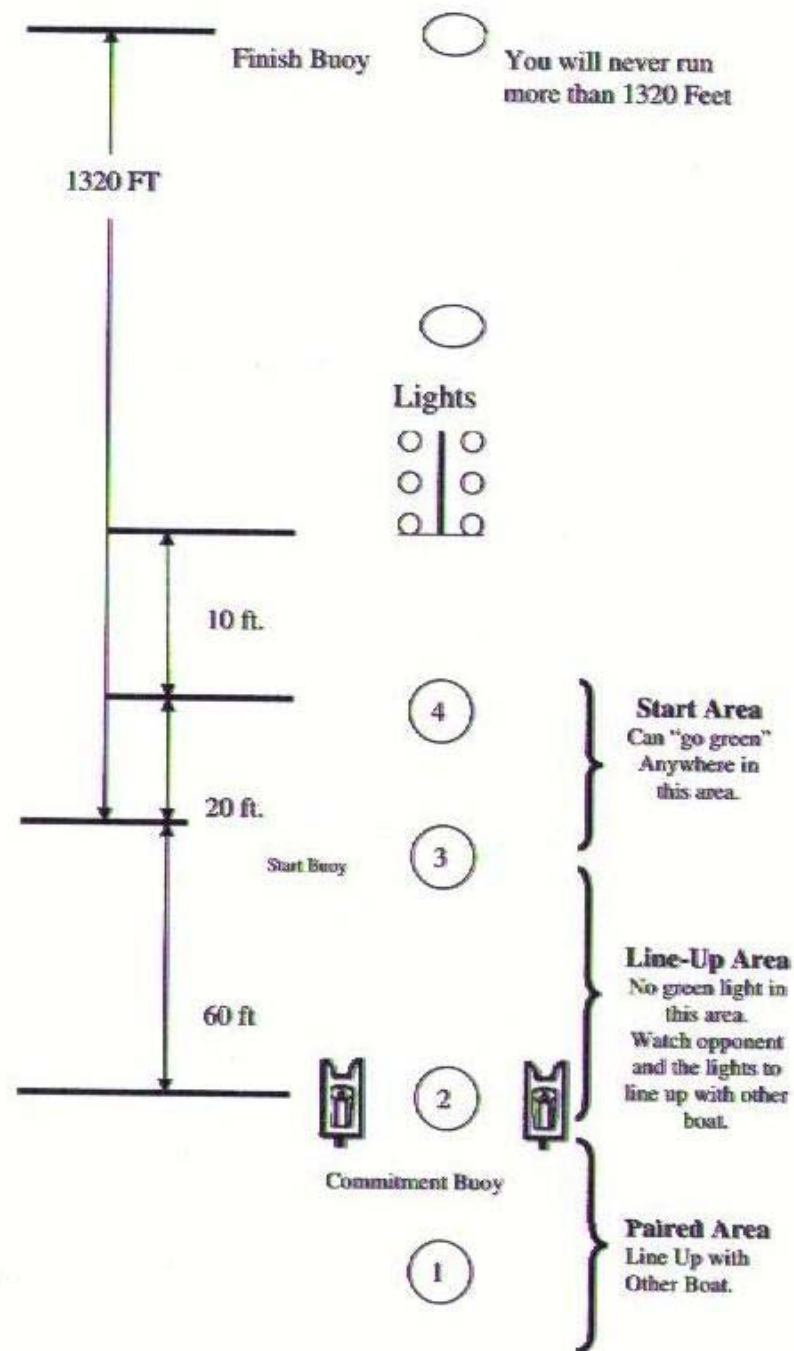
must be recertified every (4) four years for regular jackets, and every (2) two years on parachute jackets by the manufacturer.

10. It is highly suggested that all drivers use a helmet restraint system. (See Definitions Section for explanation.) Capsule boat will require a different restraint system than the open cockpit boats.
11. All participants, during any race, must wear a full shell competition helmet. Helmets must meet Snell 1975 standards or equivalent. Note: **APBA** does not recommend full face protection.
12. All drivers must wear their safety gear while in the water. The helmet may only be removed if the engine is off. Removal of safety equipment while the boat is moving will result in, *first offense-warning, 2nd offense-disqualification*.
13. A second careless driving warning (removal of both hands from wheel or other dangerous moves) will constitute disqualification from the race. If being grossly negligent, this could result in disqualification of the remainder of the season. The *Safety Inspector* has the final decision.
14. **No variable pitch drops, period!!!**
15. Absolutely no drug or alcohol consumption will be allowed by racers and/or crew members before their class runs. There will be no drugs or alcohol, including beer permitted in the pit area at any time. No driver or official shall participate in a race while being intoxicated or under the influence of drugs. The club reserves the right to give random drug/alcohol test(s). Refusal of a test constitutes a gross infraction.
16. Safety capsules shall conform to OPC capsule rules. It is the drivers' duty to show the rescue squad how the seat belts release, steering wheel releases, and where all shutoffs are prior to the published drivers' meeting time.
17. No one is allowed on the starting or finish line pier unless they are a Starter, Scorer, Referee, Finish Line Judge, or Rescue Squad member. No one is allowed in the water except Rescue or Ramp officials.
18. **THE BRUCATO ACU/PCU IS LEGAL IN ALL CLASSES**
19. **ALL BOATS ARE REQUIRED TO CARRY FLOTATION.** Truck inner tubes may be used.

Specific Motor Rules and Minimum Weights	
<i>Mercury</i>	
153 cubic inches	1425 lbs. minimum weight
142.2 cubic inches "behind the liner"	<b>1325</b> lbs. minimum weight
142.2 cubic inches	<b>1250</b> lbs. minimum weight
122 cubic inches	1100 lbs. minimum weight
122 cubic inches "behind the liner"	1175 lbs. minimum weight
<i>OMC</i>	
Loop Charged V6	1450 lbs. minimum weight
3.3 Liter Carburetor	1500 lbs. minimum weight
2.7 Liter (165 cubic inches)	1425 lbs. minimum weight
<i>Yamaha</i>	
2.6 Liter Standard Length Rod Motors	1425 lbs. minimum weight
2.6 Liter Long Length Rod and Motors	1450 lbs. minimum weight

## Pro-Carb

1. Boats: Any production hull. No true tunnels or hydroplane type hulls.
2. Fuel: **Must** purchase and use fuel and oil sold at race site only. No additives allowed.
3. No nitrous oxide or any other type bottle pressure injection used to enhance engine performance. No nitrous bottles in boat, nitrous solenoids must be disconnected.
4. Engine modifications are allowed. All modifications, other than expressly noted, **must** use OEM identification numbered outboard motor components, **FROM A PRODUCTION MOTOR.**
5. **ANY MIDSECTION ALLOWED 12" MINIMUM.**
6. Gear case may use aftermarket nosecones with low water pickups.
7. Aftermarket Dual plug cylinder heads allowed motors.
8. No lightened crankshafts. Weight (metal) may be added to balance, but not removed. Stock stroke required.
9. Modified OEM or aftermarket tuners allowed.
10. Aftermarket ignition allowed on all motors.
11. No V8 engines.
12. "Behind the liner" inlet porting allowed all motors.
13. Aftermarket lightweight engine cowls allowed.
14. Aftermarket composite reeds allowed all motors, reed cages for like manufacturer.
15. Electric fuel pump and adjustable fuel pressure regulator allowed.
16. Pyrometers are allowed.
17. Air boxes may be removed and aftermarket velocity stacks are allowed.
18. Aftermarket lightweight flywheels are allowed.
19. Any Outboard marine carburetor allowed. **Must** remain in stock configuration, **I.E: 1 VENTURI PER CYLINDER**
20. See Fuel/Technical for aftermarket and other parts not allowed.
- 21.



## RIVER RACER

### ENTRY FEE \$100.00 PER EVENT

1. Plaques or trophies for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> places.
2. Engine modification allowed except listed below.
3. Limited to 175 compression.
4. 16" minimum boat length.
5. Any production hull configuration.
6. Pump or racing gasoline only. No additives.
7. No nitrous oxide, timing advance modules or stutter boxes allowed.
8. No speed master gear case.
9. 100 mph impact jacket required—lifeline jacket highly recommended.
10. Hot foot and trim on wheel required. Kill switch required on motor.
11. Laser injection on Mercury allowed. No race style center horn or SVS units.
12. Production motors. No ni-cad aluminum sleeve motors allowed.
13. Laser style SVS is legal.
14. **Motor to Weight Requirements**

Motor to Weight Requirements	
Mercury 142 C.I.	1500 lb. min. weight
Mercury 153 & 183 C.I.	1600 lb. min. weight
All OMC, Yamaha, Suzuki	1600 lb. min. weight
Mercury Pro-Max	1650 lb. min. weight
Pro-Stock 2.5 200	1500 min. weight cast pistons
	1500 min. weight wiseco pistons
Mercury 122 CI	1375 min. weight
<i>Weight or restrictions on motors may be adjusted for obvious mismatched combinations.</i>	

#### 15. E-TEC V6 OMC

- a. 3.3 to 3.4 E-TEC OMC Engine
- b. Minimum weight 1650 lbs.
- c. 0.042 Minimum piston to head clearance
- d. After market reeds allowed

## Pro-Gas

1. Boats: Any production hull configuration allowed.
2. Fuel: **Must** purchase and use fuel and oil sold at race site only. No additives allowed.
3. No nitrous oxide or any other type bottle pressure injection. No bottles in boat, solenoids **must** be disconnected.
4. See Fuel/Technical for aftermarket and other parts not allowed.
5. Any motor modifications allowed.

Specific Motor Rules and Minimum Weights	
<b>Mercury</b>	
Small Block Motors	1350 lbs. minimum weight
Big Block Motors	1400 lbs. minimum weight
<b>Yamaha</b>	
Small Block Motors	1350 lbs. minimum weight
Big Block Motors	1400 lbs. minimum weight
<b>OMC</b>	
Big Block Motors	1400 lbs. minimum weight
V8 Motors	1475 lbs. minimum weight

Yamaha			
<i>Yamaha 2.6 Liter</i>			
With OEM Fuel Injection			1430 lbs. minimum weight
With Carburetors			1350 lbs. minimum weight
Suzuki			
<i>Suzuki 2.7 Liter</i>			
With OEM Fuel Injection			1430 lbs. minimum weight
With Carburetors			1350 lbs. minimum weight

**BOATS RUNNING SUPER STOCK SETUP CAN RUN MODIFIED  
PRODUCTION @ #1385 (26cc)**

### PRO-STOCK

*Race Hulls utilizing Stock Production Mercury 2.5 Laser/XRI EFI 200 motors*

1. Boats: Any production hull. No true tunnels or hydroplane type hulls.
2. Fuel 93 Octane Pump Gas. **Must** use spec fuel and oil purchased at the race site only. NO additives allowed, fuel or oil.
3. Any style engine cowls allowed. **Must** maintain stock appearance.
4. See Fuel/Technical rule #5 applies.
5. Engine **must** be a Stock Mercury Production 2.5 liter 200 HP power heard with laser injection with no changes, modification, after market parts, or parts from mercury high performance allowed other than expressly noted below.
6. Crankshaft **must** be a 2.5 Stock oil geared Crankshaft.
7. **A list of HP Mercury Parts Allowed. If it is not listed it is not allowed.**
  - a. Exhaust Divider Plate to mount coils.
  - b. HP rod bolts allowed. Rod caps may not be machined or ground for clearance.
  - c. HP metal cage rod bearings allowed.
  - d. Stock High Performance aluminum flywheel only, no modifications.
  - e. Stock High Performance 260 or drag Stator, Trigger, Switch Boxes, and Plug wires.
  - f. Mercury HP ECU allowed. (A-2, A-4, A-5, A-6, A-8, A-10, A-13, A-14, A-63, A-48)
  - g. Mercury HP ECU mounting Bracket
  - h. Mercury HP Fuel Pump allowed.
  - i. Mercury HP Fuel Regulator allowed.
8. No Pro Max or High Performance engine blocks.
9. 10 pedal front halves only.
10. New style motors with taller decked blocks with o-rings heads allowed.
11. No 1991 model 14 pedal blocks allowed.
12. *Mercury Laser Throttle Body Fuel Injection* with matching intake manifold only.

- a. Fuel Injection plenum and intake manifold **must** retain stock exterior appearance and dimensions. No additional hoses fabrication or welding allowed.
  - b. Air inlets **must** remain stock size and appearance with original butterfly.
  - c. **Must** retain original fuel rail and injectors. The original fuel rail and injectors **must** be inside plenum.
  - d. All other internal modifications allowed.
13. Any Mercury Production Bath Tub or Top hat Style Cylinder Head: 32 cc minimum head volume. Cylinder heads may be cut to a 32 cc min. Heads with Hemi style chambers not allowed. Squish area **must** remain flat, beveled squish area not allowed. Chambers **must** retain stock configuration, shape, and diameter. Welding allowed only for repairs and **must** be machined back to stock configuration and shape. Light sanding and polishing allowed cleaning up head chambers.
14. 0.042" minimum *Piston to Head* clearance. Blocks may be decked to fit this spec with head gasket or o-ring heads. Any production or aftermarket head gasket or o-ring allowed.
15. ECU Box **must** be Mercury or Rapair Replacement Production or High Performance.
16. Any fuel pump and regulator allowed.
17. No metal removal or any internal cylinder block mods allowed. No porting, polishing, feathering. No piston, rod, wrist pin, sealing ring or crankshaft modifications. No lightning, balancing or blue printing. Welding on cylinder block allowed for repair only and **must** be machined back to stock configuration and shape. Piston Rings may have end gap cut to the racer's preference. Metal may not be removed from the inside or outside diameters of the ring.
18. Any mid sections: 15" minimum.
19. Exhaust plates and tuners may be modified. Aftermarket and custom-made tuners allowed.
20. Ignition **must** be stock 15 amp mercury High Performance or Rapair replacement. No changes or modification to components or wiring allowed. Charging coils must remain on stator.

<ul style="list-style-type: none"> <li>Fuel system <b>must</b> utilize OEM ECU, injectors, fuel rail and temp sensor.</li> </ul>		
<b>SVS Air Inlet HP EFI</b>		
153 cubic inches		1445 lbs. minimum weight
<b>Carbureted Engine</b>		
153 cubic inches		1325 lbs. minimum weight
142.2 cubic inches		1200 lbs. minimum weight
<b>Laser and Pro Max EFI</b>		
153 cubic inches		1400 lbs. minimum weight
<ul style="list-style-type: none"> <li>Aftermarket air inlet cover (SVS only) may be used. Stock throttles cannot be bored.</li> </ul>		
<ul style="list-style-type: none"> <li>Stock Fuel rails, injectors, fuel outlet and inlets <b>must</b> remain in stock location and configuration.</li> </ul>		
<b>3.0 Liter Big Block</b>		
Pro Injection	Max Fuel	1450 lbs. minimum weight
<ul style="list-style-type: none"> <li>Aftermarket air inlet cover (SVS only) may be used.</li> <li>Stock throttles cannot be bored.</li> </ul>		
300X Injection	Fuel	1475 minimum weight
Carbureted		1350 minimum weight
<b>OMC</b>		
<b>3.3 Liter OMC</b>		
With Carburetors		1400 lbs. minimum weight
<b>OMC Loop Charged 3.0 Liter</b>		
With OEM Injection	Fuel	1430 lbs. minimum weight
With Carburetors		1350 lbs. minimum weight
W/ Aftermarket & Yamaha Ignition	FI	1450 lbs. minimum weight, 3.0 ONLY
OMC E-TEC		1475 lbs. minimum weight

standard bore. Nicasil sleeve motors with overbore **must** carry five (5) pound weight penalty per cubic inch calculated from standard bore.

18. Pistons **must** be OEM or aftermarket made to OEM specs.
19. "Behind the liner" inlet porting allowed on all motors.
20. Stuffing allowed all motors, block and front half only.
21. Pyrometers are allowed.
22. Aftermarket composite reeds allowed all motors. OEM reed cages for like manufacturer. Aftermarket "stock appearing" shape lightweight cowls allowed all motors. **You are able to modify cowl to funnel air to motor as long as it doesn't touch motor air induction.**
23. Aftermarket adjustable fuel pressure regulators are allowed.
24. Carburetors may be bored. OEM air boxes removed and aftermarket velocity stacks used.
25. Oil injection and mechanical fuel pumps may be removed. Carbureted motors may use in the boat electric fuel pump and aftermarket adjustable fuel pressure regulators.
26. OMC, Yamaha, and Suzuki may use aftermarket lightweight flywheels.
27. All flywheels, all motors, **must** retain OEM magnets.
- ~~28.~~ **ANY MIDSECTION ALLOWED 12" MINIMUM.**
29. Any color Brucato SVS is allowed.
- 30. THE BRUCATO BOX IS LEGAL, BUT CANNOT BE ADJUSTABLE AT THE DRIVER'S SEAT**

Specific Motor Rules and Minimum Weights		
Mercury		
Center Air Inlet HP EFI		
153 Cubic Inches		1430 lbs. minimum weight
142.2 Cubic Inches		1300 lbs. minimum weight
<ul style="list-style-type: none"> <li>Plenum may be bored, 3.500" maximum with aftermarket throttle shutter. No welding or fabrication on plenum.</li> </ul>		

21. No OEM detonation modules or timing boxes. No device at all in the boat that can monitor or alter ignition timing or fuel curve, mechanical or electronic.
22. Cast pistons **must** OEM or aftermarket made o OEM specs. Wiseco aftermarket forged pistons are allowed. No other forged piston allowed. No Mercury Hi-Performance pistons. Additional Wrist pin washers are allowed in order to use bottom guided style pistons such as vertex.
23. No small gear cases. Aftermarket nosecones with low water pickups allowed.
24. Only 1:87 or 2:1 gears. No other ratios allowed--this rule applies to Mercury only.
25. After market composite reeds allowed on all motors. OEM reed cages from like engine manufacturer, no mods to reed cages allowed.
26. No extra wiring, hoses or non approved devices under the cowl.
27. No device at all in the boat that can monitor or alter ignition timing or fuel curve, mechanical or electronic.
28. Pyrometers, temp senders, pressure senders allowed.
29. Standard ½ inch reach spark plugs only. Any heat range, style tip or brand allowed.
30. Oil injection and mechanical fuel pumps may be removed and blocked. Filling the remaining crankcase volume is not allowed.
31. Aftermarket sleeves allowed with a max of 2 per motor. They have to match the remaining sleeves in motor.
32. Up to 0.30 overbore allowed.
33. All engines **must** use the original number of piston rings in the original location. No one ring motors allowed.
34. Engines may use rubber water diverters in water jacket for improved durability.
- 35. WISECO AND WIZARD NON-LIGHTENED AND NON- PORTED OEM REPLACEMENT PISTONS ARE ALLOWED.**
- 36. THE BRUCATO BOX IS LEGAL, BUT CANNOT BE ADJUSTABLE AT THE DRIVER'S SEAT**

MINIMUM WEIGHTS		
153 CID	Cast Pistons	1400 lbs.
<del>153 CID</del>	<del>Cast</del> Forged Wiseco Pistons	<del>1415 lbs.</del>

## Modified Production

1. Boats: Any production hull. No true tunnels or hydroplane type hulls.
2. See Fuel/Technical rule #5 applies.
3. Fuel: **Must** purchase and use fuel and oil sold at race site only. No additives allowed.
4. No nitrous or any other type bottle pressure injection used to enhance engine performance. No nitrous bottles in boat, nitrous solenoids **must** be disconnected.
5. Engine modifications are allowed. All modifications, other than expressly noted, **must** use OEM identification numbered outboard motor components from like engine manufacturer.
6. No aftermarket ignition systems except aftermarket OEM replacement parts are allowed; no advance/retard mechanisms, mechanical or electronic allowed. Carbureted engines may use aftermarket ignition.
7. Cylinder Support Rings allowed.
8. After market nosecones with low water pickups allowed.
9. No small gear cases (except carbureted engines).
10. No dual plug heads. Yamaha, OMC, Mercury 3.0 liter big block, and Suzuki may use aftermarket single plug heads. Drop-in, removable chamber heads are not allowed. (except carbureted engines)
11. No lightened crankshafts. Metals may be added to balance, but not removed. Stock stroke required.
12. No aftermarket tuners. OEM tuners may be modified.
13. No potentiometers, fuel by pass solenoids or any other devices to alter the fuel curve allowed. Multi fuel pump setups **must** be wired in series and one switch must start both pumps.
14. Disconnect and remove all vacuum lines and extra wiring from under the cowls.
15. No fabricated "Z" port motors (except carbureted engines).
16. No 2.5 liter Bridgeport Mercury (except carbureted engines).
17. Up to 0.030" overbore with no weight penalty on steel bore motors only. Overbore of 0.060" max all motors with a weight penalty of five (5) pounds per cubic inch calculated from

- OMC E-TEC 3.3 to 3.4 liter 50cc minimum; 1525 lbs. minimum weight

#### 27. Yamaha 2.6 Liter:

- OEM looper carbs only, boring not allowed, any jetting.
- 1350 lbs. minimum weight
- Aftermarket light flywheel allowed.
- Rev limiter may be removed.
- Early OEM charging system and spark advance allowed.
- Aftermarket or cut OEM heads, 33cc minimum chambers.
- No long rod motors in this class.
- OEM carbs for like motor, boring is allowed.

## Super Stock

1. Boats: Any production hull. No true tunnels or hydroplane type hulls.
2. Fuel: **Must** purchase and use fuel and oil sold at race site only. No additives allowed.
3. See Fuel/Technical rule #5 applies.
4. No nitrous oxide or any other type bottle pressure injection used to enhance engine performance. No nitrous bottles in boat, nitrous solenoids **must** be disconnected.
5. No small gear cases.
6. No aftermarket tuners. OEM tuner and exhaust adapter plate may be modified. No variable tuners allowed.
7. No potentiometers, fuel by pass solenoids or any other devices to alter the fuel curve or pressure allowed. Multi fuel pump setups **must** be wired so that one switch **must** start and stops both pumps.
8. No aftermarket ignition systems or component parts; no spark retard/advances, electronic or mechanical allowed.
9. No metal removal or any internal cylinder block modifications allowed. No porting, polishing, feathering. No piston, rod or crank modifications. No balancing or blue printing.
10. Pistons **must** be OEM only.
11. **Maximum of three over bored cylinders, of 0.30" overbore maximum, allowed only on steel bores.**
- ~~12.~~ **ANY MIDSECTION ALLOWED 12" MINIMUM.**
13. Aftermarket nosecones with low water pickups allowed.
14. Pyrometers allowed.
15. Aftermarket lightweight stock configuration motor cowls allowed all motors.
16. Aftermarket composite reeds allowed all motors. OEM reed cages for like motor, no modifications to reed cages allowed.
17. Carbureted motors may remove OEM air boxes and use aftermarket velocity stacks.
18. Oil injection and mechanical fuel pumps may be removed and blocked off. Carbureted motors may use in the boat electric fuel pump and aftermarket adjustable fuel pressure regulators.

- 19. Standard ½” reach spark plugs only. Any heat range, style tip or brand allowed.
- 20. Flywheels **must** be OEM. They may be lightened **BUT MUST** maintain OEM MAGNETS.
- 21. **THE BRUCATO BOX IS LEGAL, BUT CANNOT BE ADJUSTABLE AT THE DRIVER'S SEAT**
- 22.
- 23. **HP Mercury, 245 HP, 260 HP, 280 HP, and 300 HP Drag:**

HP Mercury, 245 HP, 260 HP, 280 HP, and 300 HP Drag	
Carbureted 245	1350 lbs. minimum weight
EFI 260	<b>1400</b> lbs. minimum weight
EFI 280	1385 lbs. minimum weight
EFI 300 Drag, Center Horn	1410 lbs. minimum weight
EFI “Eyebrow” Drag with Horn	1420 lbs. minimum weight
EFI “Eyebrow” Drag with SVS in stock configuration	1430 lbs. minimum weight
<i>Eyebrow Motors with O Ring heads add 10 lbs. O Ring head allowed 43.9cc #849496-9</i>	

- Rev limiters may be removed
- **EFI motors** in this group may use **OEM Drag ECU (A-48, A-63, A-6, A-13) and fuel pressure regulator**
  - i. **260** 1.490” to 1.520” exhaust port height specs
  - ii. **280** 1.500” to 1.520” exhaust port height specs
  - iii. **300** 1.490” to 1.510” exhaust port height specs
  - iv. **300 (eyebrow)** 1.490 to 1.475 exhaust port height specs
- **Required standard head gasket on Drag Engine**
  - i. 260                    27-814658-1    0.45 to 0.50
  - ii. 300 Drag            27-822844-1    0.55 to 0.60
- If during repair, any metal was removed from deck, thick head gaskets **must** be used.
  - i. 260    27-822844-1 head gasket part number
  - ii. 300    27-840322-1 head gasket part number
- 2:00 or 1:87 gear ratio only
- All motors in this group must use OEM 37cc minimum heads except 260.

- All components **must** retain stock factory configuration from the adapter plate up except as noted.
  - 260 Mercury may use 26cc heads.
  - 280 Mercury may use 260 electronics.
24. **High Performance Mercury, 280 hp with standard 280 electronics:**
- 1300 lbs. minimum weight
  - Rev Limiter may be removed.
  - 2.00, 1.86, 1.75 gear ratio allowed
  - Alternator belt to remain functional while in competition
  - All components **must** remain in stock factory configuration from adapter plate up.
25. **Pro Max or Lazer style EFI Mercury:** factory production steel sleeve block only.
- 1350 lbs. minimum weight
  - Rev Limiter may be removed.
  - OEM light weight flywheel allowed. No modifications.
  - High performance early style 16 amp alternator allowed.
  - OEM 1” thick reed manifold spacer plate is allowed.
  - 26cc minimum chamber OEM heads allowed.
  - Throttle body may be bored. No welding or other modifications to plenum.
  - Stock fuel injection configuration **must** be maintained (injectors, fuel rail, regulator, etc.).
  - Fuel injection ECU **must** remain in stock configuration inside and out.
  - All components **must** retain stock factory configuration from the adapter plate up except as noted.
26. **OMC 3 Liter Looper**
- 1350 lbs. minimum weight
  - Aftermarket light flywheel allowed.
  - Early OEM small charging system may be used.
  - Rev limiter may be removed.
  - Aftermarket or cut OEM heads may be used, 36cc minimum chamber volume.
  - OEM looper carbs only, boring not allowed, any jetting.