



## ***Sound Looks And Performance Association***

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### **SLAP dB SPL Competition Rules**

*Version 1.1 Date: 2-1-03*

#### **General Rules:**

1. These rules will be amended as needed and as issues or questions arise. Anything not addressed in these rules shall be left up to the discretion of the head judge, who reserves the right to deem it illegal.
2. SLAP dB classes are based on cone area of the subwoofers (Square Inches). The official SLAP dB Square Inch measurements are: 6.5" woofer = 33 sq. in.; 8" = 50; 10" = 79; 12" = 113; 15" = 177; 18" = 254. This based on the formula:  $\pi R^2$  (3.14 x woofer radius squared). Square woofers shall be measured width X height (15" = 15 x 15).
3. Mic shall be placed by the judge 4 inches above dash, 1 inch from windshield, 12 inches from right pillar post.
4. No speakers, vents, ports or other objects may be within 24 inches of the mic.
5. Vehicle must be drivable into the judging station as measured.
6. Competitor will have 30 seconds to achieve an SPL reading.
7. SPL is measured under 100 Hz, on Peak Hold.
8. System must be powered by vehicle's charging system at no more than 18 volts DC.
9. Any source material may be used.
10. Program material must be reproduced by speakers driven by an audio amplifier(s).
11. At no time during testing shall the engine rev more than 2,000 RPM.
12. Competitor may operate the system from inside the vehicle, if wearing hearing protection (24 dB min.) over their ears.
13. All vehicle openings (doors, windows, etc) must remain closed during the entire test.
14. A maximum of two 'co-pilots' may assist competitor during the test. All competitors and co-pilots must keep both feet on the ground. Sitting on a vehicle is not allowed, including truck beds.
15. Competitor may not move classes during an event.
16. If additional runs are offered, the highest score shall stand as the official score.
17. Competitor is not required to run again.

## **SLAP dB Divisions**

### **Stock**

1. Consumers Only. Must have FULL OEM interior. Enclosure must be completely contained COMPLETELY within the factory rear storage compartment (hatch, trunk or luggage area) or behind the rear seat in trucks. Enclosure may not come above the rear window line of the vehicle (includes back, quarter and door glasses). Rear seats may be folded down if option is available from OEM. Hatch or rear deck covers may be removed. Under no circumstances may front or rear seats be removed.
2. Classes in Stock (Local & Major Events):
  - 1-160 (Up to 3-8", 2-10" or 1-12" woofers)
  - 161-260 (Up to 5-8", 3-10", 2-12", 1-15" or 1-18" woofers)
  - 261-360 (Up to 7-8", 4-10", 3-12", 2-15" or 1-18" woofers)
  - 361-720 (Up to 14-8", 9-10", 6-12", 4-15" or 2-18" woofers)

### **SUPER Stock**

1. Consumer/Pro Classes. Must have full front OEM interior. Enclosure/wall must be behind the rear edge of the front doors. Walls are OK. Trucks with 'cut-thru' allowed. Under no circumstances may front seats be removed.
2. Classes in SUPER Stock (Local & Major Events):
  - 1-260 (Up to 5-8", 3-10", 2-12", 1-15" or 1-18" woofers)
  - 261-360 (Up to 7-8", 4-10", 3-12", 2-15" or 1-18" woofers)
  - 361-720 (Up to 14-8", 9-10", 6-12", 4-15" or 2-18" woofers)
  - 721+ (Anything Else!)

### **Modified**

1. Consumer/Pro Classes. Enclosure/wall must be behind the rear edge of the front doors. Interior modifications OK but, must maintain OEM door openings, floorpan, footwells, and glass (including windshield) in front driver/passenger compartment. Must use OEM or DOT approved seats and seatbelts. Rebuilt door, dash, roof and kick panels OK if doesn't violate other interior requirements and approximates factory lines. Door panels may not extend more than 4 inches from door window seal. Console top may not extend above bottom of dash. Roof may not be lowered below top of door opening.
2. Classes in Modified (Local & Major Events):
  - 1-360 (Up to 7-8", 4-10", 3-12", 2-15" or 1-18" woofers)
  - 361+ (Anything Else!)

### **Ultimate**

1. Consumer/Pro Classes. All Ultimate systems must be controlled from outside the vehicle. Enclosure/wall must be behind the rear edge of the front doors. Windshield and front door glasses may be replaced but must maintain 70% viewable area. Must be able to seat two adult passengers. Console may not extend above dash top. Under each side of the dash must be a footwell, a minimum of 12"h x 10"w x 6"d each side. Radical interior modifications OK if doesn't violate other interior requirements.
2. Classes in Ultimate:
  - Major Events
    - 1-360 (Up to 7-8", 4-10", 3-12", 2-15" or 1-18" woofers)
    - 361+ (Anything Else!)
  - Local Events
    - Open Class