

JSS Inspection Sheet (REVISED 4/20)

Regatta: _____ Date: _____ Boat # _____

The optional use of transmission, straight drive or Z drive is permitted, as long as the propeller shaft remains at a 1 to 1 ratio to the engine. The transmission must be forward, neutral, and reverse type and must be attached to the engine. No Vee or angle drives, steerable outdrives, steerable propellers or hydrofoils are permitted. A one way clutch is allowed.

- **Transmission** (yes/no)? _____
- **Ratio** (must be 1:1) _____
- **Length:** (Min: 16') _____
- **Width:** (Min: 6') _____
- **Depth inside hull:** (Min: 24") _____
- **Rudder length:** (Min: 13.75" below the "true" bottom of boat excluding any cav. plate adjustment) _____
- **Weight:** (Min: 1650 lbs. w/o driver & rider) _____
- **Bottom profile:** (0.25 concave, 0.625" convex) _____
- **Log type exhaust manifold?** _____
- **Exhaust manifold runners less than 4"?** _____
- **Fuel Type** _____
 - Specific Gravity _____ (0.715-0.765 @60°F)
 - Digatron Reading _____ (Must be negative)
- **Carburetor** (Maximum 1.75" Throttle Bores)

- **Distributor**
 - **Single point or single electronic allowed:** _____
- **Intake Manifold – Edelbrock Torker II P/N5001**
 - Cooling bleed lines allowed.
 - Must remain as original finish (no paint or anodizing)
 - Any evidence of sanding, polishing, relieving, grinding, porting, chemical treating, abrasive blasting, ceramic work, addition of material or any alteration and modification of the original form is prohibited.
 - The dimensions of the runners shall be 1.100 by 1.75 inches maximum at the cylinder head gasket face and .925 inches by 2.500 inches maximum adjacent to the plenum area.
 - Gasket face dimensions: _____ by _____
 - Adjacent to the plenum area: _____ by _____
 - 3" maximum carburetor wedge including all gaskets and throttle attachment hardware.
 - Wedge measurement: _____
 - Cool cans or any devices to cool fuel are strictly prohibited.

- **Block:**
 - Stock cast iron production GM V-8 style
 - 283 Bore: Max. 3.945" **Measurement:** _____"
 - 305 Bore: Max. 3.771" **Measurement:** _____"
 - Deck height 0.038" Min. including gasket: _____
- **Cam and lifters: Stock or Stock replacement. Hydraulic or solid lifters allowed.**
- **Stock or Roller timing chain only _____**

- **Cam Profile**

- Adjust the valve to zero lash and set dial indicator to zero. Set the degree wheel to zero degrees, rotate the cam in normal direction of rotation to 0.050 inches valve lift. Set the degree to 17 degrees. Repeat for each 0.050 of increasing and decreasing valve lift as shown in the table. At the point of maximum lift, note the angular width of the flat area. Repeat with the exhaust valve. Compare recorded data with the table data.

- **283 table**

Valve Lift	Intake degrees	Actual degrees	Valve Lift	Exhaust degrees	Actual degrees
0.050	0		0.050	0	
0.100	7		0.100	8	
0.200	18		0.200	19	
0.300	31		0.300	32	
0.400	61		0.400	62	
0.300	88		0.300	92	
0.200	101		0.200	105	
0.100	112		0.100	116	
0.050	118		0.050	122	

*Max Intake lift: 0.396, **Measured:** _____

*Max Exhaust lift: 0.400, **Measured:** _____

- **305 Table**

Valve Lift	Intake degrees	Actual degrees	Valve Lift	Exhaust degrees	Actual degrees
0.050	0		0.050	0	
0.100	6		0.100	6	
0.200	19		0.200	18	
0.300	34		0.300	33	
0.400	63		0.400	60	
0.300	90		0.300	88	
0.200	105		0.200	102	
0.100	118		0.100	115	
0.050	126		0.050	123	

*Max Intake lift: 0.394, **Measured:** _____

*Max Exhaust lift: 0.400, **Measured:** _____

*Lobe spacing: 110 degrees: **Measured:** _____

To check lobe spacing open exhaust valve to .250 thousandth lift. Set degree wheel to zero. Open intake valve to .250 thousandths lift. The degree wheel should read 116 degrees or 232 crankshaft degrees.

- **Engine**

- **Pistons**
 - Top of piston to first ring min. 0.245": _____
 - Can be machined to a 0.020" deck height: _____
 - In addition to stock, JE #174004 with pin# 9272850 may be used in 305ci, with 4 valve reliefs.
 - In addition to stock, Venolia #2810 & Diamind #APBA283, with 4 valve reliefs, along with Keith Black Hypereutectic #KB165, with 2 valve reliefs, may be used in the 283ci.
- **Head:**
 - Minimum combustion chamber volume, 60cc: _____
 - No porting or polishing
 - Head gaskets are mandatory
- **Crankshaft (must be a GM part)**
 - 283 Stroke: 3.00" _____
 - 305 Stroke: 3.48" _____
 - No Knife edging allowed, must be "as cast or forged"
- **Rods (Stock forged steel)**
 - Shot peening, flash removal, and polishing permitted
 - In addition to stock, Manley #141112A-8, Scat Pro Stock #2-ICR5711-2000P and Eagle SIR #SIR5700SPLW may be used with no changes or alterations. This includes balancing.
 - Maximum length 5.70"±0.010": _____
- **Valves:**
 - Intake: Max. 1.720" _____
 - Exhaust: Max. 1.500" _____
- **Lifters & Misc:**
 - Stock sized push rods only 0.3125": _____
 - Rocker arms ratio 1.5 only: _____
 - No shaft rockers, stud girdles allowed

NOTES:

- Check all parts for any grinding, polishing and any other alterations from the furnished stock configuration.

Chief Inspector _____ APBA # _____

Inspector _____ APBA # _____

Referee _____ APBA# _____

Inboard Commissioner _____ APBA# _____

Boat Owner's signature _____ APBA# _____