



Quarter Midgets of America, Inc. WORLD FORMULA/Modified World Formula TECH INSPECTION WORK SHEET

Class: _____ World Formula / Modified World Formula Finish Position: _____

Driver Name: _____ Car #: _____ Date: _____

Check OK

1	Carburetor Stock PZ26AG3	
2	Idle Jet Marked 38 0.036 min/0.040 max	
3	Main Jet Marked 96 0.090 min/ 0.010 Max	
4	Carburetor adaptor stock 55705 or 557130	
5	Max valve lift at valve .3097	
6	Timing 23 degree BTDC to 27 BTDC max	
7	Head Gasket 0.038 min / multi-layer head gasket BSA-304-40	
8	Cylinder head Depth from gasket surface to the head surface between valves must be a minimum of 0.319	
9	Valve seats 45 degrees only	
10	Intake valve seat 0.965 min 0.972 max	
11	Exhaust valve seat 0.844 min 0.850 max	
12	Valve 45 degrees only	
13	Intake valve head 1.055 min 1.065 max exhaust valve 0.935 min 0.945 max	
14	Stem intake & exhaust 0.246 min 0.247 max	
15	Weight Intake min 29.26 grams exhaust 28.20 grams	
16	Spring inner wire diameter 0.066 to 0.068	
17	Spring outer diameter 0.112 to 0.114	
18	Rocker Ball diameter 0.590 min 0.610 max	
19	Engine Block Bore 2.688 plus 0.005 max	
20	Piston Pop Up 0.038 above deck	
21	Stroke 2.193 to 2.205 max	
22	Fly wheel and Red coil	
23	Piston Stock pin hole to top of piston 0.685 to 0.686 max	
24	Weight complete piston, pin, clips, rings, rod and bolts 300 grams min	
25	Rings stock top and second ring 0 marked on top of ring	
26	Wrist pin stock 0.624 to 0.626 max	
27	Rod length 2.419 to 2.429 max	
28	Crankshaft stock except gear drive	
29	Crank journal 1.094 to 1.110 max	
30	Cam shaft stock profile in block	
31	Tappets 0.964 to 0.9784	
	MODIFIED WORLD FORMULA WORK SHEET	
32	Briggs Blue PLV coil --- 12,000 rpm	
33	ARC 1lb. 9 oz. aluminum billet Flywheel (29 degree timing)	
34	Dyno cams billet camshaft	
35	Dyno cams HD AN dual valve springs & Aluminum retainers	
36	Dyno cams billet crank gear	
37	Animal Intake valve seat 0.965 min 0.972 max	
38	Animal Exhaust valve seat 0.844 min 0.850 max	
39	Head Gasket 0.038 min / multi-layer head gasket BSA-304-40	
40	Intake & Exhaust max lift at retainer .375inches	

Tech Official Signature: _____

Engine: ___ Pass ___ Fail