



# Quarter Midgets of America, Inc.

## STOCK/MOD, B, AA TECH INSPECTION WORK SHEET

Class: \_\_\_\_\_ Division: \_\_\_ Stock/Mod \_\_\_ B \_\_\_ AA

Driver Name: \_\_\_\_\_ Car #: \_\_\_\_\_ Date: \_\_\_\_\_

Finish Position: \_\_\_\_\_

Check OK

St/  
Mod B AA

1	Carburetor: LMG plate .375 gold novice, DECO Pumper plate .375 purple, Tillotson plate .645 black			
2	Venturi size: LMG Venturi 0.506 max 0.4375 min, DECO Pumper .540, (Tillotson .6300 Ref.)			
3	LMG throttle shaft diameter .210 min. Butterfly thickness .024 min.			
4	Restrictor Plate: Unaltered QMA plate- Diameter .375, Thickness .065, Tillotson .645			
5	Installed between carburetor and manifold, gaskets both sides thickness .063 max. All restrictor plates must have gasket on both sides Jr Stk exhaust restrictor plate thickness 0.047" to 0.052" hole size 0.500"			
6	Air Cleaner, if used, any style filter w/ straight adapter 1.375 max length			
7	Manifold gaskets- any fiber material Max thickness .063			
8	Manifold FA444, FA410 or approved aftermarket, DECO 4.000 +/- 0.100 reference			
9	Cylinder Head- Stock unaltered AA7-A-504, or 508 or approved aftermarket			
10	Aftermarket depth from bead .265 to .275 reference			
11	Head Gasket- Thickness .040 to .066 stock shape inside			
12	Bore: Stock/Mod= 2.159 max, B= 2.189 max, AA= 2.314			
13	Stroke: 1.985 min. 2.015 max.			
14	Piston Above Deck = .020 max at TDC Stock and Mod only			
15	Shroud and Backing Plate any style			
16	Valve Lift: Max with no lash internal= .202 Exhaust = .177			
17	Cam Centerline: 102.25 to 104.25			
18	Flywheel: 32 oz. Max 27oz. Min all classes min. except AA min. grams 765			
19	Valves: Head Diameter Intake=.925 max, Exhaust Head Diameter=.852 max			
20	Valves Guides: No tipping or offsetting			
21	Valve Seat: Internal diameter=.825 max, Exhaust=.825 max			
21	Intake Port: @ Valve=.825 max, @ Flange .825 max			
23	Exhaust Port: @ Valve=.755, @ Flange=.875			
24	Piston: Flat Top, Stock and Mod only			
25	Rings: Any type			
26	Camshaft: Stock or aftermarket, fit template.			
27	Internal: H-P= 1.000 min, 1.013 max, H-H= .811- .821			
28	Exhaust: H-P= .975- .988, H-H= .811- .821			
29	Tappets: Flat Base			
30	Deck Height: 4.670 Max			

Tech Official Signature: \_\_\_\_\_

Engine: \_\_\_ Pass \_\_\_ Fail