



**Quarter Midgets of America, Inc.**  
**HONDA TECH INSPECTION WORK SHEET**

Class: \_\_\_\_\_ Honda 120

Division: \_\_\_\_\_ Jr. \_\_\_\_\_ Sr. \_\_\_\_\_ Hvy

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

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

**Check OK**

1	Check seals, location and integrity	
2	Exhaust pipe: No steps, no tapers, 20" minimum 26" maximum $\pm 0.060$ , 1" maximum OD unaltered B&S or after-market muffler	
3	Air filter adapter. Visual check for alterations	
4	Carburetor: BE 60B, BE60R, BE99A, BE99L or BE99M nozzle height 0.429" max and Venturi diameter o.456" max, check throttle and butterfly screw. Carburetor: Heavy Honda engine must use BE 54D, BE 65B or BE 65Q - see 160 Manual for carburetor specifications for this class.	
5.	Remove gear case and ring gear, check for non-factory lightening or machining.	
6.	Remove cooling shrouds. All in place no added or subtracted material (includes silicone).	
7	Check valve lift at retainer, intake 0.245" max, exhaust 0.255" max.	
8	Visually inspect rocker arms, pivots, studs, and push rod guide plates for alteration.	
9	Remove cylinder head. Check ignition timing, 22.5° max UT1/UT2, UT-3 20.5° max.	
10	Check head gasket thickness, 0.040" minimum, UT-3, 0.008 minimum.	
11	Check head thickness 2.911" minimum, HPD B000 and B100 is 2.900" minimum. UT-3 head thickness 2.938" minimum.	
12	Valves, single angle 45° unaltered. Intake 18 grams minimum, exhaust 16 grams minimum. UT-3 intake 21 grams minimum, exhaust 16 grams minimum.	
13	Valve springs: wire size 0.071" or 0.079"	
14	Valve spring retainers. Stock Honda retainers only, no alterations.	
15	Cylinder head, intake and exhaust ports, combustion chamber and structure must remain as manufactured. No alterations allowed.	
16	Block: Bore 2.366 maximum. Stroke 1.659 maximum. UT-3 Stroke 1.724 maximum.	
17	Piston height. Piston must not protrude above the deck surface, 0.000"	
18	Check cam profile. See tech manual for procedure and limits.	
19	Plastic fan must have all blades intact	
20	Check flywheel for alterations and minimum weight, 1550 grams UT1/UT2 and UT3. Check magnet screw for alteration.	
21	Crankcase cover: As cast, no material removal allowed.	
22	Piston: No material removal 106 grams minimum.	
23	Rings. Stock Honda. Top ring 0.036 minimum thickness	
24	Connecting rod, minimum weight 119 grams.	
25	Crankshaft. Stock Honda crankshaft only, no material removal permitted. Governor drive gear may be removed.	
26	Camshaft. Unaltered with operable compression release.	
27	Tappets. Unaltered. 16 grams minimum weight.	
28	Cylinder block: As cast. Low oil sensor may be removed.	