



## Quarter Midgets of America, Inc.

### HONDA 160 UT2 and UT3 TECH INSPECTION WORK SHEET

Class: \_\_\_\_\_ Honda 160

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 65B, BE65Q and BE54D. Nozzle height, 0.424" maximum. Venturi bore 0.523" no go. Heavy 160 only BE64Y. Nozzle height 0.449 maximum. Venturi diameter 0.5745" maximum. Check throttle butterfly screw.	
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, 20.5° max, UT-3 engine must comply	
10	Check head gasket thickness, 0.008" minimum.	
11	Check head thickness 2.909 minimum.	
12	Valves, single angle 45° unaltered. Intake 22 grams minimum, exhaust 20.5 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, valve seats, and structure must remain as manufactured.	
16	Block: Bore: 2.682" maximum. Stroke: 1.778" maximum.	
17	Piston height: 0.000, piston must not protrude above the deck surface.	
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 2300grams.	
21	Crankcase cover: As cast, no material removal allowed.	
22	Piston minimum weight 195 grams with rings, pin, and pin locks. No material removal allowed.	
23	Rings. Stock Honda. Top ring 0.036 minimum thickness	
24	Connecting rod, minimum weight 140 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.	