



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

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| 1 | Check seals, location and integrity | |
| 2 | Exhaust pipe: No steps, no tapers, 20" minimum 26" maximum ± 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, UT-2 BE99A, nozzle height 0.429" max and Venturi diameter 0.456" max, check throttle and butterfly screw. Carburetor UT-3BE991, nozzle height 0.313" max and Venturi diameter 0.456" maximum, check throttle and butterfly screw Carburetor: Heavy Honda UT-3 engine must use BE 54D - see 160 Manual for carburetor specifications for this class. Factory supplied 16211-Z4M-922 fuel discharge nozzle must be used. | |
| 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 24.5° max. | |
| 10 | Check head gasket thickness, 0.040" minimum, UT-3, 0.008 minimum. | |
| 11 | Check head thickness, 2.911" minimum, UT-2, w/ HPD B000, B100 2.900" min. UT-3 check head gasket surface to step at spark plug 0.125" minimum depth of shelf at spark plug side and opposite side. | |
| 12 | Valves, single angle 45° unaltered. Intake 18 grams minimum, exhaust 16 grams minimum. UT-3, intake 22.5 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" (UT1 and UT2) the measurements for the UT3 is -.005" | |
| 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. 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 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. | |