



# Tri-County Microd Club

## HONDA TECH INSPECTION WORK SHEET

Honda 120

Class: Jr. Novice / Novice

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

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

Check OK

1	Exhaust OEM Honda GX120 muffler, unaltered, no rust holes	
2	Visual check- OEM air cleaner and OEM style paper filter.	
3	Carburetor- OEM unaltered, for year and model of engine	
4	Stamped restrictor plate passes club-no-go gauge AND is stamped with correct number.	
5	Carburetor Bore: Intake end = 0.950 Throttle end = 0.632	
6	Venturi Bore: Go= 0.454 / No Go= 0.456	
7	Main Jet: Honda #58 #60 #62	
8	Remove cooling shrouds- check for all pieces installed. No metal added or subtracted	
9	Valve Lift Retainer with zero clearance: 0.245 max	
10	Camshaft: Remove camshaft and test in jig /weight 450 grams min./ pass move on / fail reinstall and measure cam with degree wheel and dial indicators.	
11	Remove cooling shrouds- check for all pieces installed. No metal added or subtracted	
12	Camshaft; OEM Honda, no alterations. Compression release intact	
13	Push Rod Length 4.803 max	
14	Visually inspect rocker arms, pivots, and studs for alteration.	
15	Coil: Check magneto holes for enlarging.	
16	Coil Mounting Bolts: Stock 6mm 1-1/16" long / No thread 0.206 min.	
17	Cylinder Head: Head gasket inner rim thickness = 0.040 min.	
18	Valve spring retainers' thickness 0.228 min	
19	Valve spring retainer flange thickness: 0.110 max	
20	Springs: Wire Diameter= 0.071 max.	
21	O.D. 0.790 max, # of coils = 5.3, max. free length 1.220	
22	Pressure: 10.8 lbs. max @ inches (0.850)	
23	Valve: Single angle= 45 degrees unaltered	
24	Single 45-degree angle valve seats / Valve guides are not to be pressed flush with port floor.	
25	Spark plug: NGK: BPR6ES) (CHAMPION: 415) (AUTOLITE: 63) (AC DELCO: R42XLS)	
26	Head thickness: gasket surface to valve cover surface 2.910min.	

**Tech Official Signature:** \_\_\_\_\_ **Engine:** \_\_\_\_\_ **Pass** \_\_\_\_\_ **Fail (rev 6/2020)**

27	Ports- stock "AS CAST"- Single 45-degree angle valve seats	
28	Block: Bore = 2.366max Stroke= 1.659max/ 1.640min	
29	Top of Piston Deck: 0.000" to 0.015" below deck	
30	Plastic fan- all blades intact	
31	Check flywheel and crankshaft key-ways for alterations	
32	Check key for alteration	
33	Check flywheel magnet and screw for alteration	
34	Check flywheel weight: 1642 grams 57.9oz. min	
35	Check flywheel diameter magnet area - 6.285 min	
36	Crankcase cover: Stock "AS CAST"	
37	Piston: Stock Honda standard size no alterations. Triangle or Dot towards push rods	
38	Piston Weight: 106 grams min. With rings and retainers 118 grams min	
39	Height: 1.808-1.813	
40	Skirt diameter= 2.357 min 2.363 max (perpendicular to pin)	
41	Wrist Pin: O.D.= 0.511 ref. I.D.= 0.354 ref length 1.854+-0.010 Weight: 23 grams min.	
42	Rings: Stock Honda / must have all the rings in place.	
43	Connection Rod: Big end I.D.- 1.021 min 1.0265 max	
44	Small end bore= 0.5111 ref.	
45	Length- near edges of bore= 2.101 min 2.111 max	
46	Weight with bolts: 119 grams min or 4.2oz. min.	
47	Crankshaft: Stock Honda no alterations.	
48	Tappets: Stock Honda no alterations. Base Diameter= 0.910 min	
49	Stem Diameter= 0.312 min. Base thickness= 0.076 min - 0.090 max	
50	Length= 1.180 min- 1.220 max Weight= 16 grams min	
51	Block Stock Honda "AS CAST".	

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

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

\_\_\_\_\_ Fail (rev 6/2020)