



HONDA 160 TECH INSPECTION WORK SHEET

Class: ___ Honda 160

Division: ___ Jr ___ LT ___ Hvy

Driver Name: _____ Car #: _____ Date: _____

Finish Position: _____

Table with 40 rows of inspection items and their specifications, such as Exhaust length, Jet sizes, and Valve lift.

Tech Official Signature: _____

Engine: ___ Pass ___ Fail

41	Stem diameter: Intake=0.212/0.216 Exhaust= 0.212/0.216	
42	Stem diameter: Intake=0.212/0.216 Exhaust= 0.212/0.216Head Surface to Valve Seat:	
43	Intake and exhaust= 0.287min/0.305max	
44	-to Valve Guide: 1.000max	
45	- to lowest machined area in port: Intake= 1.162max Exhaust= 1.122max	
46	Head thickness@ Flange Bolts: 2.911min/ 2.917maxThailand Heads 2.909 min	
47	Ports- stock "AS CAST"- Single 45 degree angle valve seats	
48	Port Diameter @ valve: Intake: 0.900min/ 0.915max Exhaust= 0.858min/ 0.869max	
49	Block: Bore= 2.682max Stroke= 1.778max/ 1.758min	
50	Top of Piston Deck: 0.000" to 0.013" below deck	
51	Plastic fan- all blades intact	
52	Degree Cam: See tech manual	
53	Max lift: Intake= 0.227 Exhaust= 0.229	
54	Centerline: Intake= 104-107.5 atdc Exhaust= 107.5-110.5 btdc	
55	Check flywheel and crankshaft keyways for alterations	
56	Check key for alteration	
57	Check flywheel magnet and screw for alteration	
58	Check flywheel weight: 2360 grams min	
59	Check flywheel diameter magnet area – 6.285 min	
60	Crankcase cover: Stock "AS CAST"	
61	Gasket: Stock Honda gasket 0.025 max thickness	
62	Cover to be flat + .005	
63	Piston: Stock Honda standard size no alterations. Triangle or dot toward push rod	
64	Piston Weight: With rings and retainers 200 grams min	
65	Height: 2.103-2.108 Piston #13101-24M-000 Height 1.928 Reference	
66	Skirt diameter= 2.674 min 2.678 max (perpendicular to pin)	
67	Wrist Pin: Stock OD 0.709 ID 0.556 length 2-125ref	
68	Rings: Stock Honda- thickness= compression and scraper 0.036, 3 piece Oil Ring= 0.096 N or T Thai rings marked R or N/T	
69	Connection Rod: Big end I.D.- 1.021 min 1.0265 max	
70	Small end bore= 0.5111 ref.	
71	Length- near edges of bore= 2.101 min 2.111 max	
72	Weight with Bolts: 140 grams min.	
73	Crankshaft: Stock Honda no alterations. Governor drive gear in place	
74	Camshaft: Stock Honda no alterations. Compression release intact.	
75	Heel to heel: Intake= 0.865 –0.869 Exhaust= 0.866-0.870	
76	Heel to peek: Intake= 1.079-1.093 Exhaust= 1.081-1.095	
77	Length flange to flange: 3.135 min 3.142 max	
78	Cam bearings: 0.547 min- 0.551 max	
79	Tappets: Stock Honda no alterations. Base Diameter= 0.930 min	
80	Stem Diameter= 0.312 min Base thickness= 0.076 min – 0.090 max	
81	Length= 1.180 min- 1.220 max Weight= 17 grams min	
82	Block Stock Honda "AS CAST". Oil level sensor intact (Honda replacement block allowed)	
83	Bore= 2.682 max	
84	Deck surface non tech	
85	Machined side cover surface- to cam thrust face= 3.228/3.240max	
86	Machined side cover surface- to bearing face= 3.430min/3.442max	