

Owner's Vehicle Spec Sheet

2000 Honda Accord Turbo

VIN:1HGCG3156YA801088

C#: 78138

Date of Publication: September 18, 2020



Table of Contents

Engine:	3
Turbo:	3
Transmission:	6
Other Upgrades:	6
Fuel:	6
Horsepower Rating:	6
Declarations:	6
Mechanic of Choice:	7
Hondata Mobile App:	7
App Features:	7
Racetrack feature:	8
Receipts:	13

Engine:

- Honda Prelude F23 Cylinder Block
 - Has been bored and honed oversized
 - Has a block guard to protect the cylinder walls
- H22A Cylinder Head
 - Ported with larger valves
 - Equipped with a racing cam shaft
- Custom 3", one piece, Borla exhaust system
- Skunk 2 oversized intake manifold
- 1D1000cc Injectors
- Custom wiring harness from Rywire
- Mishimoto Half Radiator
- Hondata Tuner ECU with Bluetooth and Mobile App Capability
- Pillar mounted Wideband Air Fuel Gauge
- Pillar mounted Boost Pressure Gauge

Turbo:

- SXE 400mm Turbocharger
- Currently running at 24 psi
- Full race equal tube turbo manifold
- Dual wastegates
- gReddy Atmospheric Blow-Off Valve
- Large intercooler with custom welded piping
- Adjustable Boost Controller located in the glove box





Transmission:

- Equipped with a racing clutch

Other Upgrades:

- Limited Slip Differential
- Oversized axles
- Cross drilled rotors and oversized calipers
- Aftermarket suspension
- Motor and frame stiffening with custom motor mounts
- Driver's and Passenger's racing seats (not installed and require bracket fabrication for installation)

Fuel:

Currently, the car uses premium 91 octane fuel from the gas station. It can be run on aviation fuel and has been in the past (RCTS Autoworx sells aviation fuel). The ECU is set up with profiles for both premium 91 and AV fuel and can easily be switched between profiles from a laptop running Hondata's SManager (S300) software (Free on Hondata.com) and connected to the car via a USB cable.

Horsepower Rating:

The car was dyno tested at RCTS Autoworx in 2019 and recorded a max power rating of 457 horsepower.

Note: *The car was set up to run on aviation fuel at the time of the dyno test.*

Declarations:

1. In August 2020 the rear turbo seal failed. Motor oil leaked into the exhaust pipe and the intercooler. The turbo was inspected and rebuilt by RCTS Autoworx. They also cleaned the intake and the exhaust systems but the motor will smoke until all of the residual oil is burned off. This process may take several hundred kilometers of driving.
2. The car does not have power steering. The power steering pump was removed to make room for the turbo and intercooler piping.
3. The Engine Temperature gauge on the dash does not work. Engine temp can be measured from the Hondata Mobile App.
4. There is no airbag in the steering wheel. The factory steering wheel was replaced with a racing steering wheel. Racing steering wheels do not have airbags. The airbag light is illuminated on the dash.
5. The car has a very stiff frame and rides rough. It is built for speed not cruising.

Mechanic of Choice:

RCTS Autoworx has done most of the work on the car and they are very familiar with it.

RCTS Autoworx

526 Cleveland Cres S.E.
Calgary, Alberta

Email: RCTS@shaw.ca

Phone: (403) 259-3106

www.monsterhorsepower.com

Hondata Mobile App:

The car is equipped with a Hondata ECU that can connect via Bluetooth to a Hondata Mobile App. The app can be downloaded from the Hondata website or from the android or apple app stores.

www.hondata.com/software

Track performance of your car in real time by gauges and graphs. Troubleshoot malfunctions by accessing the on board ECU.

Know what is wrong with your car before taking it to the mechanic. Track fuel economy and save money on gas.

These are just some of the features the Hondata app has to offer.

Hondata app transforms your Android device into an all in one performance tracking and troubleshooting tool for your car.

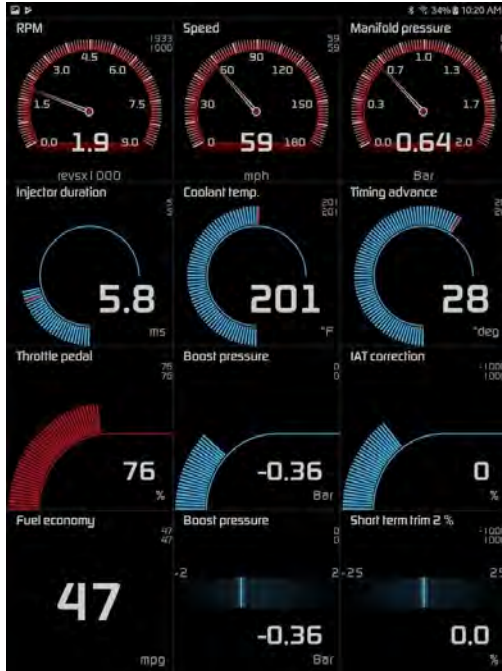
App Features:

- Customizable gauges track 80 sensors in real time, Including fuel economy, boost pressure, battery voltage and G force gauge.
- Plot sensor data onto interactive graph and record data up to 4 sensors at the same time.
- Save recorded data to csv (spreadsheet) file and export it for further analysis.
- Support for metric and imperial units for all gauges and graph.
- Gauge list feature allows you to track every sensors available at the same time.
- Read and clear vehicle trouble codes and reset service engine light.
- Read from up to 40 diagnostics parameters including engine knock count, VTEC pressure and more.
- Track fuel economy data with intuitive interface over three time intervals.

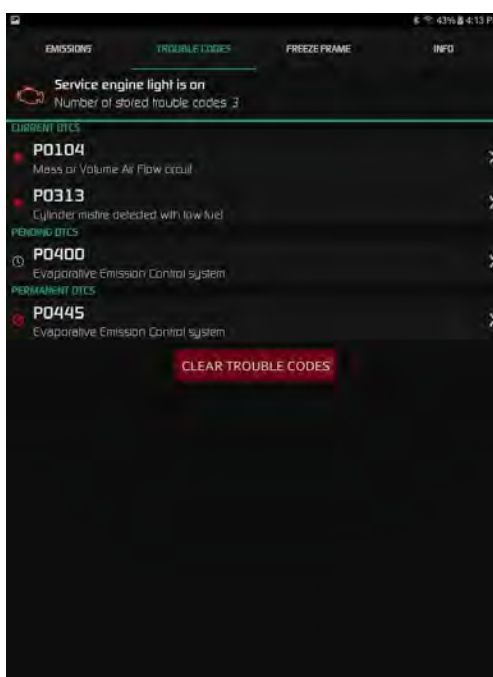
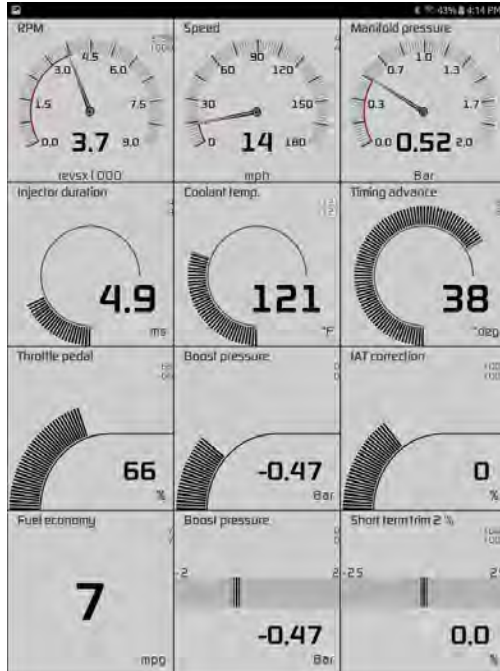
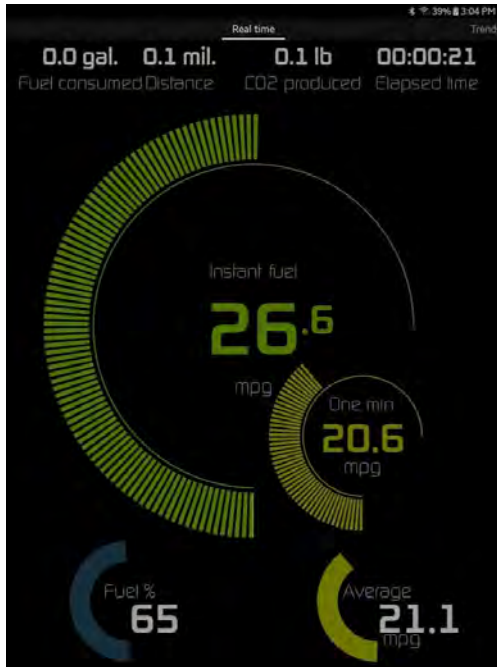
- Fuel economy data (Instantaneous and average) available in 4 units: mpg, km/l, l/100 km and Imperial mpg.
- Five methods of fuel economy calculation available.
- Record HD video with up to five gauges superimposed.
- Save video with h.264 format for best quality/compression ratio.
- Long term fuel economy tracking in 5 different time intervals: (1,2,4,13,26 and 52 weeks) with interactive graph that can be cropped and scrolled through.
- Receive notifications when engine is overheating (i.e High coolant temperatures).
- HUD gauge for night driving.
- Two themes to choose from.
- Speed limit warning. Get notified when you go over assigned speed limit.
- Landscape mode available for all views.

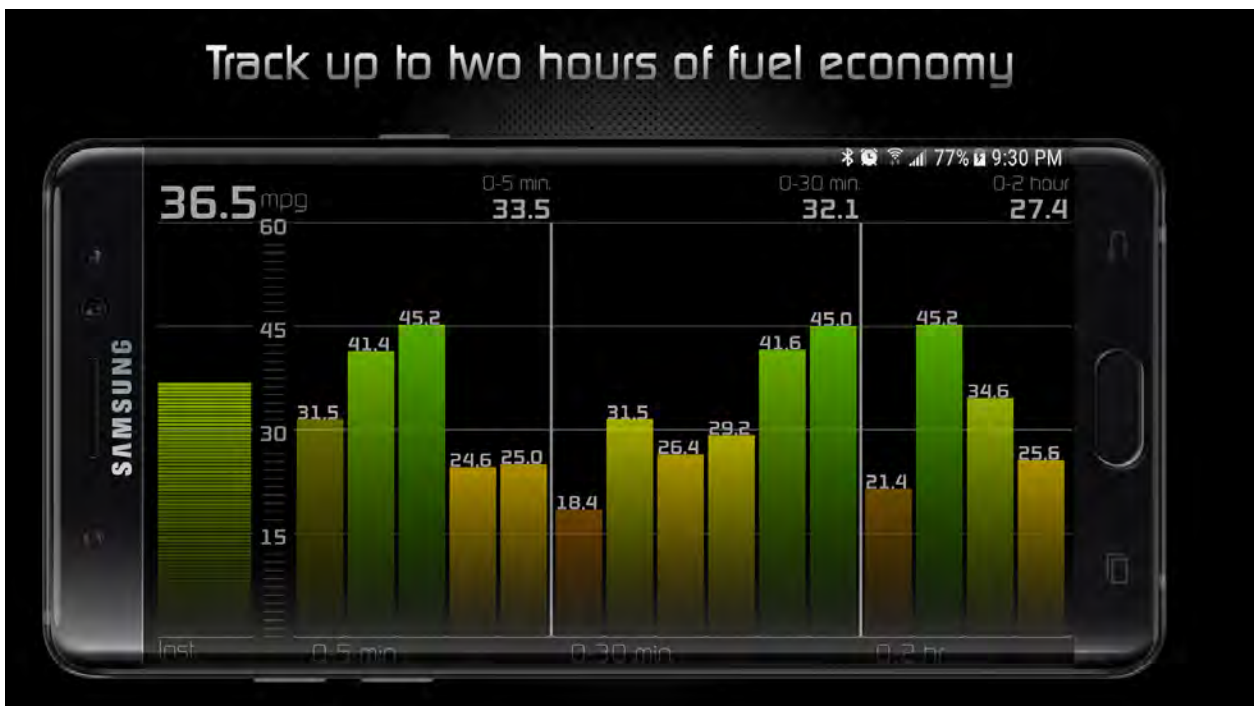
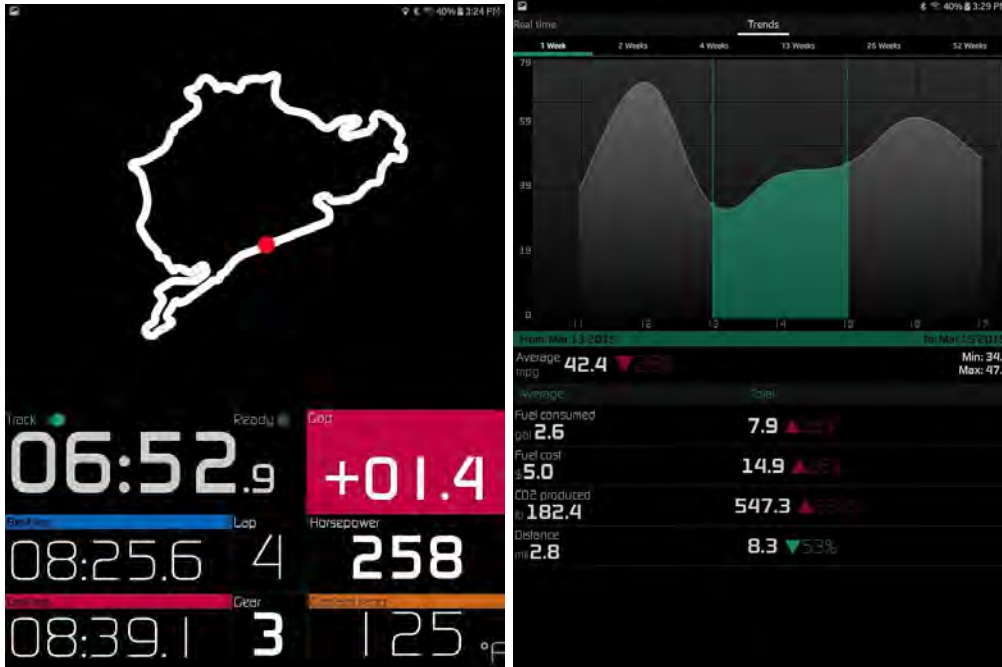
Racetrack feature:

- Get drag race times:0–60 mph, 0–100 mph, quarter mile and 1/8 mile times.
- Get lap times as well as gap time.
- Record track circuit using GPS and get position in track in real time.
- Choose from stored tracks before racing.
- Get comprehensive summary of race detailing every lap.
- Get other useful statistics such as distance traveled, max speed, max HP and more.



DIAGNOSTICS	TROUBLE CODES
AC switch	Off
Service connector	On
Brake switch	Off
Clutch in	-
Power steering pressure	Off
AC clutch	Off
Check engine	On
Fuel pump	On
Reverse lock	On
Alternator control	-
Secondary runners	-
Radiator fan	Off
Delagging	Off
Secondary valves	-
Secondary injectors	-





Record HD video with gauge overlay



Receipts:

RCTS Canada Research and Development

INVOICE

07/03/2018

Invoice ID
30153

2000 Honda Accord Turbo
Calgary, AB
Canada

VIN: 1HGCG3156YA801088
Mileage:

Qu	Code	PN#	Description	Unit cost	Cost Cnd
1.0	WP	A8040-114596	Intake manifold gasket	\$25.67	\$25.67
1.0	RA	953606	Engine gasket kit	\$270.00	\$270.00
1.0	CEN	17954	Exhaust manifold set	\$11.25	\$11.25
1.0	WIX	51334MP	Engine oil filter	\$14.30	\$14.30
6.0	SHELL	Central	Shell 5W30 engine oil	\$6.50	\$39.00
37.3	RCTS	LABOR_Mitch	OverHaul/rebuild and install Disassemble and clean engine, Ridge ream and hone Cylinders. Fit pistons, rings, pins, mains and rod barings R&I engine, grind valves and tune up	\$130.00	\$4,849.00
2.0	RCTS	LABOR_Mitch	Remove crank from doner engine	\$130.00	\$260.00
1.0	WP	A8040-114596	Intake manifold gasket	\$25.67	\$25.67
1.0	RA	953606	Engine gasket kit	\$270.00	\$270.00
1.0	CEN	17954	Exhaust manifold set	\$11.25	\$11.25
2.0	WP	A8080-58062	Camshaft seals	\$15.12	\$30.24
1.0	RA	HS54461A	Cylinder head gasket set	\$157.30	\$157.30
1.0	MPD	208-2802	ARP Flywheel bolts	\$98.37	\$98.37
1.0	WP	I1000-835721	Flywheel	\$476.53	\$476.53
1.0	WP	I1000-835722	Discount on Flywheel	-\$250.00	(\$250.00)
1.0	CEN	CTT65152	Fuel injection hose 2FT	\$10.13	\$10.13
5.0	RCTS	LABOR_Dyno	Dyno tuning Honda	\$130.00	\$650.00

\$6,637.62 Paid Sep 12 2018 Auth#093893
\$682.50 Paid Sep 20 2018 Auth#090501

Warranty and disclaimer:	Parts and Labor total	\$6,948.71
Labor carries a 90 day warranty	GST total (GST #892888090RT)	\$348.58
Parts carry manufacturers warranty	Environmental fee	\$0.00
Dynamometer sessions carried out at	Shop Supplies	\$22.83
owners risk and liability, releasing	Deposit paid	\$7,320.12

RCTS Canada Research and Development Centre
1-403-259-3106

30153 Justin Green 2000 Honda Accord_.xlsx



(403) 259-3106
 526 Cleveland Cres S.E.
 Calgary, AB T2G 4A9
 RCTS@shaw.ca

Invoice

Date	Invoice #
2020-09-16	989

Invoice To
[REDACTED]

Phone number	Email	Vehicle	KMS	VIN
[REDACTED]		2000 honda accord		

Qty	Part #	Description	Unit Cost	Amount
1	85005	Oil breather catch tank.	122.34	122.34
1	Labor_Antony	Diagnose oil burning issue. Crank case breather lines have been connected together with no vent. This is causing extreme crank case pressure. The crank case pressure has blow the rear seal out of the turbo. Turbo needs to be re-sealed/inspected. Crank case vent suystem needs to be correctly plumbed into a vented catch can.	130.00	130.00
2	Labor_Antony	Remove turbocharger from engine. Turbo oil drain abck had to be removed. Turbo oil feed had to be removed. Down pipe had to be removed. Send out turbo for inspection.	130.00	260.00
2	Labor_Antony	Install turbocharger with new flange and drain back gaskets. Install down pipe. Install turbo drain and feed lines.	130.00	260.00
3.8	Labor_Antony	Re-route PCV lines. Fabricate brakets for relocation of catch can. Install new catch can with vent. Remove valving from PCV valve for better ventilation to catch can.	130.00	494.00
1	ALAMO	**ALAMO** Inspect turbo charger. Compressor and turbine end ring gaps are within spec. Minor scoring was found on turbine enf bearing. Install new turbine side seal. Seal damage is belived to be caused by excessive crank case pressure.	310.32	310.32

Sales Tax Summary

GST@5.0% 78.83

Labor carries a 90 day warranty.
 Parts carry manufacturers warranty.
 Dyno sessions are carried out at owners risk and liability, releasing RCTS from damages or losses incurred.

Total	\$1,655.49
--------------	------------

GST/HST No. 705206084

Customer Signature: _____

I hereby authorize the above charges and agree to pay upon completion in full.