

DCT Dyno Tool | User Manual

Dyno mode activator for Honda DCT motorcycles | Model: DCT-H0x

1. Foreword

Before using this product, please ensure the bike is compatible with this tool. Check the part number on the packaging and use the **Product Advisor** on our website to check compatibility. For more information on this product, please visit:

www.healtech-electronics.com/DCT

Congratulations on your purchase of a DCT Dyno Tool. Products from HealTech Electronics Ltd. are the most advanced aftermarket accessories and maintenance tools for motorcycles.

The DCT Dyno Tool is compatible with Honda motorcycles having Dual Clutch Transmission.

On Honda DCT models the dyno mode must be activated prior the dyno run, otherwise the ECU won't let the dyno technician go through the gears as the front wheel is stationary.

Normally a factory Honda diagnostic tool is required for the dyno mode to be activated. Being a really expensive equipment, smaller workshops can't afford it. Beyond the price factor, it is a much more time consuming and a cumbersome task working with a factory OBD tool. The DCT Tool is a low cost solution and much quicker and easier to use too. Just connect it to the diagnostic connector and the tool will activate the dyno mode in a few seconds.

2. Features

➔ Cost effective option

The DCT Tool is compatible with all DCT equipped Honda motorcycles.

Save on servicing time! It is much quicker and more convenient to use the DCT Tool for activating the dyno mode than using a factory diagnostic tool. Faster turnaround and lower costs for workshops.

➔ Light and small

The DCT Tool module is hardly larger than the OEM diagnostic connector it connects to.

➔ Quick and simple to use

Just plug the DCT Tool into the diagnostic connector, turn the ignition key ON and wait a few seconds - that's it. The bike is ready for a complete dyno run.

➔ Built to last

- Rugged design, encased in epoxy resin.
- Only high-quality SMD components used.
- Each unit is extensively tested prior to shipping.
- Oil and water resistant (IP68).

3. Warranty

HealTech Electronics Ltd. guarantees this product against defects in material and workmanship for a period of two (2) years.

The warranty period starts from the date of the original purchase as shown on the invoice.

4. Specifications

- Supply voltage: +8V to +24V
- Max. supply current at 12V: 60 mA
- Operating temp: -40°C to +80°C (-40°F to +176°F)
- Waterproof (IP68)
- Unit size: 20 x 30 x 13 mm (1.2" x 0.8" x 0.5")
- Reverse polarity and transient protection

5. Operation

- ➔ Locate the RED diagnostic connector of the bike, usually near the ECU module. Normally it has a removable cap or “dummy” plug (without wires) attached to it. If in doubt, refer to the bike’s Service Manual.
- ➔ Make sure the ignition key is in OFF position. Connect the DCT Tool.
- ➔ Have the engine stop switch in the RUN position, gearbox in Neutral. Turn the ignition key ON. No need to start the engine.
- ➔ The bicolor LED on the DCT Tool shows the current status:

Red-green once	Power-up indication.
Flashing green	Communication in progress, please wait.
Solid green	Dyno mode is activated. Start the engine and test the bike on dyno with the module connected.
Solid red	Turn the ignition key OFF, wait about 3 seconds and try once more. If it does not help, it means there’s no communication to the bike’s DCT module. Ensure you have connected the unit to the red diagnostic connector. Check both connectors for loose or bent contacts, then reconnect and start the engine. If communication cannot be established, the unit is not compatible with this motorcycle or the bike is not equipped with DCT.

- ➔ Turn the ignition key OFF. When the tests on the dyno are complete, disconnect the DCT Tool by releasing the locking latch first to separate the connectors. Do NOT pull the cables.



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