

# Xtra.CDI Shutdown Transponder Quick Start Guide GX-200

**FOLLOW THESE STEPS FOR A QUICK  
SETUP OF THE XTRA.CDI SHUTDOWN  
TRANSPONDER**



## **Before you start**

Listed below are the model numbers of the engines currently in production. De Haardt has verified that this manual is applicable to these models. If you want to connect the Xtra.CDI Shutdown Transponder to a different engine model, it is recommended to contact: **support@de-haardt.com**

### **GX-200**

**RDG4**

**RHES**

**RHG4**

**RHQ4**

#### **Safety notice**

All products are designed as supplement to make karting safer, but cannot replace safe track procedures. If equipment fails, the normal operating procedure must still be adequate to safely operate the track.

Visit **www.de-haardt.com** for more information about the Xtra.CDI Shutdown Transponder and products. For technical issues or questions about the Xtra.CDI Shutdown Transponder, contact: **support@de-haardt.com**.



**1**

## Mounting the Xtra.CDI Shutdown Transponder

Mount the transponder as high as possible on a preferably flat plastic surface with the connector facing downwards, using three countersunk M5 bolts and lock-nuts. This ensures optimum radio sensitivity.

**2**

## Connecting the engine

The recommended way to power the transponder can be derived from the model number of the engine using the figure below

**GX-200****RHG4  
RHQ4****RDG4****RHES**

Proceed to  
step 2a

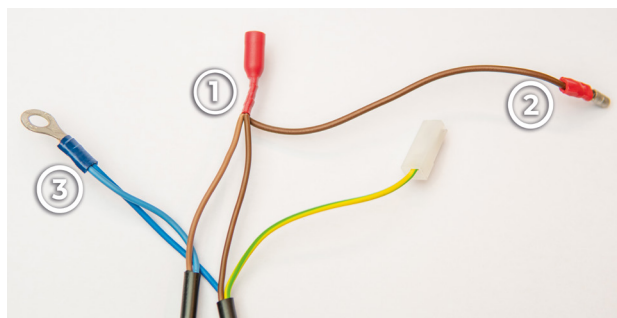
Proceed to  
step 2b

Proceed to  
step 2c

**2a**

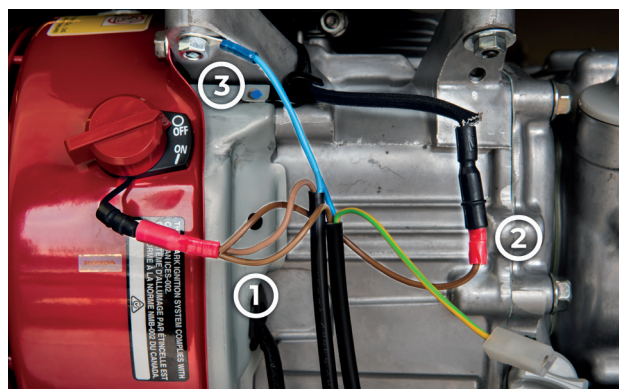
## Powering the Xtra.CDI Shutdown Transponder from the ignition coil

Take the 'SUPPLY' cable with the two wires ends and combine the **blue** wire with the **blue** wire of the 'ENGINE+BRAKE' cable. Combine the **brown** 'SUPPLY' wire with the **brown** 'ENGINE+BRAKE' wire.



Usage of the **yellow/green** wire is not needed for the setup of the Xtra.CDI Shutdown Transponder, leave the wire hanging.

1. Connect the combined **brown** wire with the engine switch cable.
2. Connect the remaining **brown** wire with the black cable from the engine.
3. Connect the combined **blue** wire to the chassis of the engine.

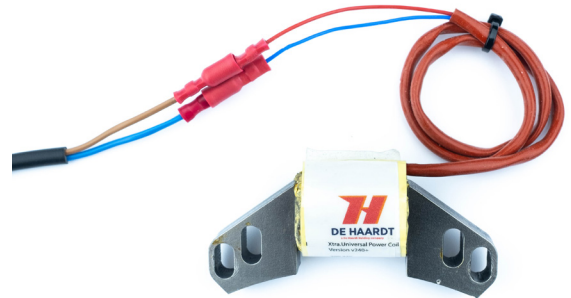


**Proceed to step 4**

**2b**

## Powering the Xtra.CDI Shutdown Transponder using a power coil

Connect the two wires from the factory installed power coil with the **blue** and **brown** wire of the Xtra.CDI Shutdown Transponder using cable terminals.



Even though polarity does not apply here, it is recommended to color match the wires whenever possible.

**Proceed to step 3**

**2c**

## Powering the Xtra.CDI Shutdown Transponder using a battery

Take the 'SUPPLY' cable with the two wire ends and connect the **brown** wire to the positive pole ( + ) and the **blue** wire to the negative pole ( - )



To avoid draining the battery, it is recommended to include a power switch in the circuit.

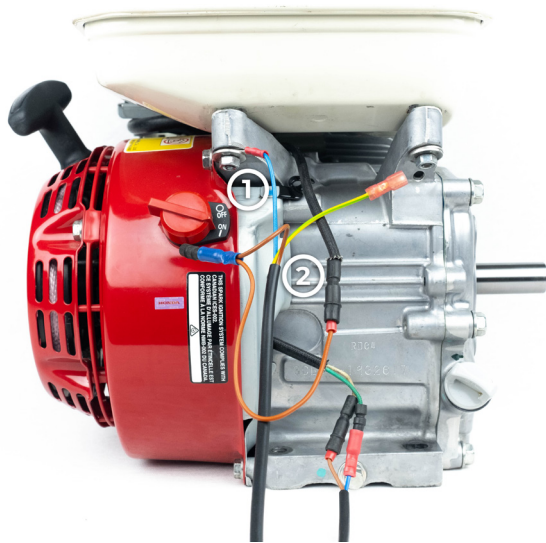
**Proceed to step 3**

### 3

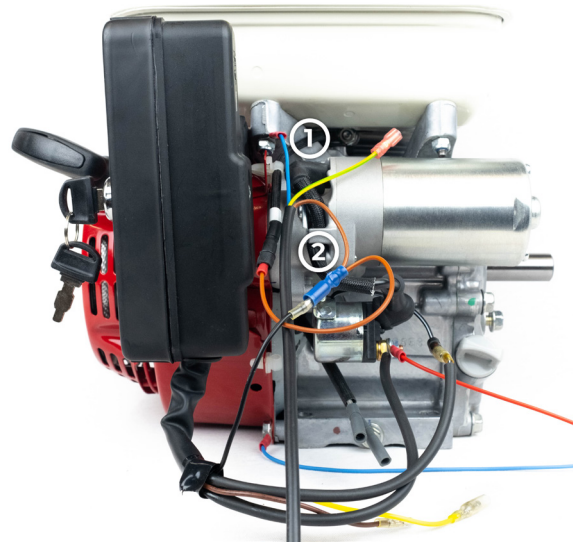
## Connecting the Xtra.CDI Shutdown Transponder to the engine

Connect the three wired 'ENGINE+BRAKE' cable from the Xtra.CDI Shutdown Transponder to the engine.

Connect the **blue** wire (1) to the chasis of the engine, and connect the two **brown** wires (2) with the two **red** wires from the engine.




**GX200 with power coil**





**GX200 with starter motor**

4

## Set the kart number with the Xtra.Remote Control



Before setting the kart number make sure other karts in the area are turned off. 

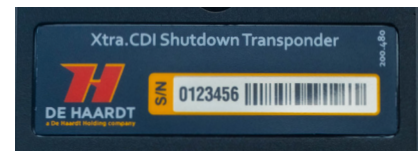
Turn on the Xtra.Remote Control by pressing the  button.


Press the  button to enter the configuration menu and enter the default PINcode '0000'.

In the configuration menu press the upper left button.



Enter the serial number displayed on the front of the Xtra.CDI Shutdown Transponder and press  or  to connect.



Enter the desired kart number and press  to assign it to the Xtra.CDI Shutdown Transponder.



For the full setup and configuration of the Xtra.Remote Control visit: [www.de-haardt.com](http://www.de-haardt.com) for the full product manual.

5

## Test the Xtra.CDI Shutdown Transponder

The last step is to test if the following functions of the Xtra.CDI Shutdown Transponder are working properly.

1. First test is to change the speed of the kart with the speed buttons 'SPD1(slowest), SPD2, SPD3 and SPD4 (fastest)'.
2. Second test is to stop all the engines by using the Remote Control. Start the engine and press '**SHIFT**' followed by the '**STOP**' button.