

# Xtra.CDI Shutdown Transponder Quick Start Guide GX-270 & GX-390

**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](mailto:support@de-haardt.com)

**GX-270**

**RDG4**

**RHES**

**RHG4**

**RHQ5**

**GX-390**

**SDQ5**

**SHQ5**

**SMES**

### 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](http://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](mailto: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**

## Powering the Xtra.CDI Shutdown Transponder

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

**GX-270****RDG4  
RHG4  
RHQ5**

Proceed to  
step 2a

**RHES**

Proceed to  
step 2b

**GX-390****SDQ5  
SHQ5**

Proceed to  
step 2a

**SMES**

Proceed to  
step 2b

2a

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

First determine from the model number of your engine whether it comes with a coil installed or whether you need to install a De Haardt Xtra.Universal Power Coil.

**GX-270**

**RHG4**  
**RHQ5**

Install Xtra.  
Universal  
Power Coil

**RDG4**

Coil  
installed

**GX-390**

**SHQ5**

Install Xtra.  
Universal  
Power Coil

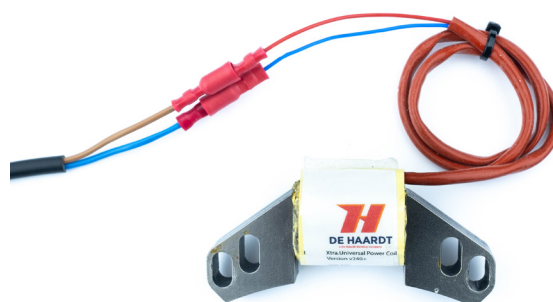
**SDQ5**

Coil  
installed

For installation instructions of the Xtra.Universal Power Coil visit: [www.de-haardt.com](http://www.de-haardt.com).

Connect the two wires from the Xtra.Universal Power Coil or the factory installed 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**



## 2b 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 ( - )

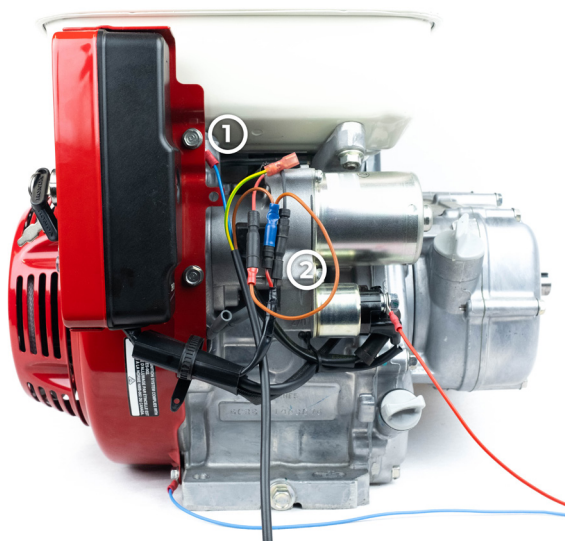


To avoid draining the battery, it is recommended to include a power switch in the circuit.

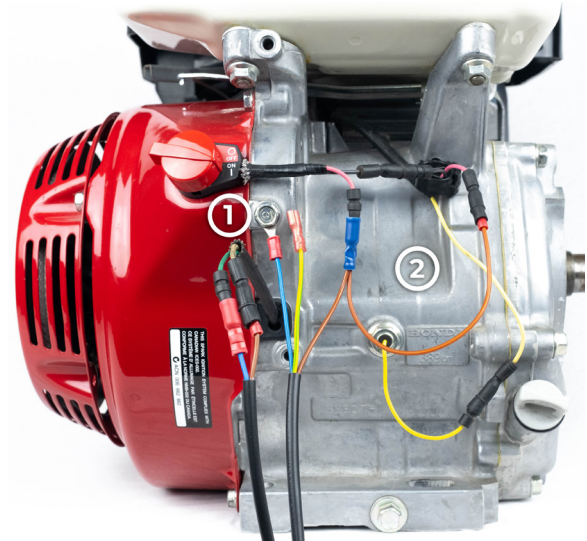
## 3 Connecting the Xtra.CDI Shutdown Transponder to the engine

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.




GX270





GX390

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



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

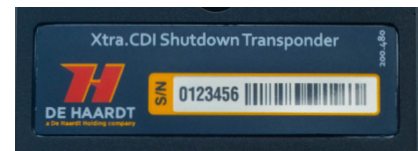
Turn on the Xtra.Remote Control by pressing the  button.


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.

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## 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 Xtra.Remote Control. Start the engine and press '**SHIFT**' followed by the '**STOP**' button.