

# O-ZONE-TECH II™ USER MANUAL



**DODGE CHARGER**



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## 1. Overview

The O-Zone-Tech CHR idle reduction module together with the Webasto heater is an eco-friendly automotive fuel saving and CO2 reduction system. This system will keep the vehicles inside temperature at a comfortable level while reducing unnecessary idling and will monitor the battery voltage.

Whenever battery voltage drops below preset value it will start the vehicle (maximum two attempts). Before starting the vehicle the module will apply ignition to the vehicle for a 2 second period. If during the start engine doesn't start within 10 seconds, the module will wait 10 seconds before repeating startup for the second time. If the vehicle doesn't start after the second attempt the module resets and waits for user input.

## 2. Modes

### 2.1 Idle Reduction Mode

To put module in this mode the vehicle key must be in the RUN position and vehicle engine running, emergency lights OFF, vehicle transmission in the PARK or NEUTRAL position, and the vehicle hood closed.

If the module detects RPM<900 for 5 minutes (default setting) it will shut down vehicle engine. The green LED (OZTC) on the module will flash every second and the green LED (OZCAN) will stay on (steady) during forced engine shut down. During forced engine shut down, module will provide power to the LED in the keyless switch (LED flashing), computer and/or radio, wipers and windows and if battery voltage drops below the preset value 12.1V (default setting), the module will start vehicle engine for programmed charge time of 15 minutes (default setting) to keep battery at the charged level. The module will monitor inside and outside temperatures and based on programmed values in sections of **Conditions** and **Air Conditioner** (programmable parameters) it will activate the Webasto heater or vehicle A/C to keep user at a comfortable level.

Moving transmission from PARK or NEUTRAL position, opening the hood, turning on the emergency lights, or pressing the vehicle START button will turn off this mode and vehicle will resume normal operation.

### 2.2 Keyless Mode

To activate this mode the vehicle engine must be off, emergency lights off, vehicle transmission in the PARK position, the vehicle hood closed and keyless switch must be pressed for 2 seconds.

The LED in the keyless switch will illuminate steady during keyless mode operation. The module will monitor inside and outside temperatures and based on programmed values in sections of **Conditions** and **Air Conditioner** (programmable parameters) it will activate the Webasto heater or vehicle A/C to keep user at a comfortable level. If battery voltage drops below the pre-set value of 12.1V (default setting), the module will start vehicle engine for programmed charge time of 15 minutes (default setting) to keep the battery at the charged level.

Pushing the keyless switch for 2 seconds, pressing the brake pedal, opening the hood, pressing the vehicle START button, or turning the emergency lights on will turn this mode off.

### 2.3 Anti-theft Mode (Optional)

To activate this mode, connectors C9 and C10 must be connected on the O-Zone-Tech CHR harness.

Before this mode is activated the vehicle engine must be running, emergency lights turned ON, transmission in the PARK or NEUTRAL position and the vehicle hood closed. Pressing the vehicle START button will activate this mode.

The LED in the keyless switch will illuminate steady during anti-theft mode operation.

In this mode all systems are powered and engine is running.

Turning OFF the emergency lights, pressing the brake pedal, opening the hood, or pressing the vehicle START button will turn this mode off.

### **3. Battery Charging Functionality**

This system monitors battery voltage. Whenever battery voltage drops below a preset value within the “Idle Reduction Mode” or the “Keyless Mode” it will start the vehicle a maximum two attempts. If the engine doesn’t start within 5 seconds, the module will try to restart the vehicle a second time. If the vehicle doesn’t start after the second attempt the module resets and waits for user input.

## 4. Limited Warranty

Webasto Product North America, Inc. (hereinafter referred to as Webasto) warrants the O-Zone-Tech-II™ system against defects in material and workmanship for two (2) years effective at the time of installation.

The intent of the Webasto Non-Transferrable warranty is to protect the original end-user from such defects and provide free repair and replacement of defective parts in the manner provided herein. During the warranty period the exclusive remedy will be for Webasto, at their discretion, to repair or replace those parts which are demonstrated to be defective in material or workmanship.

While warranty is provided to the "original end-user", it is to be administered and serviced by Webasto Product personnel or through an authorized Webasto distributor in accordance with the Webasto warranty policy or contractual agreement between Webasto and a second party.

Information concerning all warranties may be obtained by calling (800) 860-7866.

### Limitations:

Webasto specifically excludes and limits warranty from the following:

- Damage to product in transit. All claims must be filed with carrier.
- Improper installation, which is not in accordance with valid, supplied installation instructions.
- Deterioration due to normal wear, corrosion, abuse, damage, accident, improper storage or operation.
- Modification of product by alteration, use of non-genuine parts or repair by unauthorized personnel.
- Economic loss for expenses related to travel, vehicle disability, personal injury or other incidental or consequential damages arising from any breach of this expressed warranty.

### Owner's Responsibilities:

- Improper or incorrectly performed maintenance or repair voids this warranty.
- A Warranty Registration Card is included with the sale of each system. It is the owner's responsibility to complete this card and return it to Webasto for registration.

### **THIS WARRANTY IS NON-TRANSFERABLE.**

IMPLIED WARRANTIES INCLUDING THAT OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY LIMITED TO THE DURATION OF THIS WARRANTY. WEBASTO DISCLAIMS ANY LIABILITY FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

THE LIMITATION AND EXCLUSIONS VARY AMONG STATES AND CANADIAN PROVINCES AND MAY NOT APPLY TO YOU. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY AMONG STATES AND CANADIAN PROVINCES.





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