

# FRONT



## SMART CHIP®

- EASY & ACCURATE -
- GUIDED A/C RECHARGE -
- IN ENGLISH & SPANISH
- WIRELESSLY MEASURES -
- VENT TEMPERATURE

### REUSABLE HOSE KIT

## DIGITAL LCD SCREEN



Scrolling text provides real-time step-by-step instructions & displays the vent temperature while you perform the A/C recharge job.

### HOW TO USE

1. Power on.
2. Press [1] for English or [2] for Spanish.
3. Follow the scrolling step-by-step instructions.
4. When finished, Power off by holding down the power button for 3 seconds.

### PRESSURE MODE

To view a pressure reading, press both buttons at the same time.

### REPLACEABLE BATTERY

To change the 2032 battery, you must simultaneously squeeze the sides and pull out the tray to access the battery.

## SMART CHIP®



Utilizes RFID technology to communicate outside and vent temperatures directly to the recharge trigger LCD display.

### REMOVE FROM TRIGGER

1. Power on. When prompted, take the outside temperature reading.
2. Place in A/C center air vent.
3. When prompted, take the A/C vent temperature reading.

### REPLACEABLE BATTERY

**1632 battery** (included in sensor). To replace: **1.** Remove screw with small Phillips screw driver **2.** Remove circuit board. **3.** Gently push out old battery.

**▲WARNING** Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. DO NOT dispose in household trash or incinerate. Even used batteries may cause severe injury or death. Call a local poison control center for treatment information. Battery type and nominal voltage: CR2032, 3VDC; CR1632, 3VDC. Non-rechargeable batteries are not to be recharged. Do not force discharge, recharge, disassemble, heat above 140°F or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns. Ensure batteries are installed correctly according to polarity (+ and -). Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries. Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



Model No.: HA-DTT-01  
Battery: 3V  $\equiv$  220mA  
3V  $\equiv$  120mA

433.92MHz

FCC ID: 2BMF9-DTT01

Batch No.:

Made in China



## WHY CHARGE BY TEMPERATURE?

Modern A/C systems are complex and use control strategies that cause the A/C system's low-side pressure to vary, which makes charging by pressure confusing and unreliable. Vent temperature provides a more accurate indication of the system's cooling performance.

Utilizing vent temperature to recharge reduces the risk of overcharging or undercharging, ensuring optimal A/C performance and passenger comfort.

## TARGET A/C TEMPERATURE RANGE

OUTSIDE TEMP	TARGET TEMP
100°F	83°F - 77°F
90°F	73°F - 67°F
80°F	63°F - 57°F
70°F	53°F - 47°F

Results may vary depending on local humidity, altitude, and your vehicle's A/C system age and condition.

## FREQUENTLY ASKED QUESTIONS

**Q) Can I use this device without using the instructions or the Smart Chip?** Yes you can use the trigger to charge refrigerant into your vehicle. The device will display pressure readings if you do not use the Smart Chip. **NOTE:** Pressure is for reference only and is not the recommended use for recharge.

**Q) Why did I lose the vent temperature signal?** Remove the battery protective tabs before use. Ensure the Smart Chip is turned on and within range (10 ft) of the trigger unit. Once on, you should see a red indicator light on the Smart Chip next to the power button.

**Q) What does it mean if I get a Seek Service message?** AC systems may stop functioning for multiple reasons including low refrigerant, compressor, condenser or evaporator issues and electrical problems. If you receive a Seek Service message while recharging, the trigger unit senses little to no change in temperature or lack of low side pressure indicating issues unrelated to refrigerant levels. If you receive this message, please visit your nearest professional service center.

**Q) Why is the can getting colder while recharging?** This is completely normal and is an indication that refrigerant is being properly charged into your system. If you do not notice this cooling effect, please check all and low side service port connections.

**Q) What if I empty a can and I have not yet achieved the desired temperature?** This can happen, if your system was very low or requires more refrigerant than one can's volume, you may need more. Simply purchase a second "refill" can and restart the recharge process. If you notice no change in vent temperature and you have reached temperature target, you may stop to avoid over-charging.

**Q) Why doesn't the coupler fit on the low side service fitting?** Vehicles use different refrigerants and have different low side service port fittings. Ensure you have purchased the correct refrigerant by checking the label under the hood.

**Q) Why is nothing coming out when I pull the trigger?** Ensure the can is not empty and the trigger is properly secured on to the can. Screw on the trigger until you feel resistance and stop. Do not overtighten.