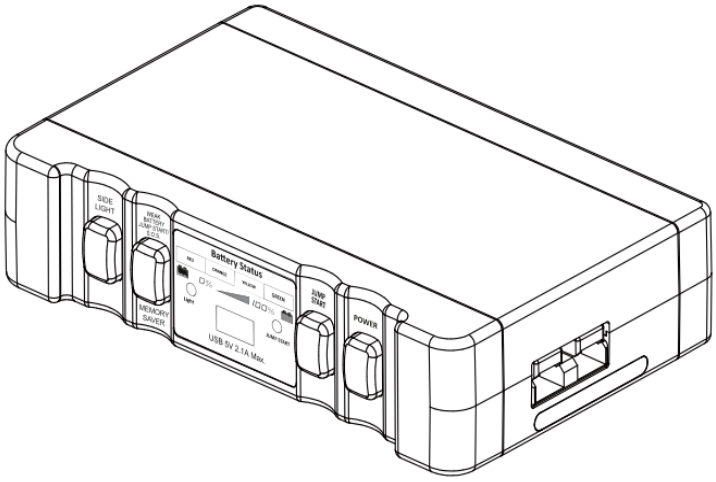
INSTRUCTION MANUAL

LITHIUM-ION POLYMER PROFESSIONAL JUMP START

SC POWER SCB55Pro



Technical Specifications SCB55Pro

Battery Type: Lithium-Ion Polymer
Battery Capacity: 5500 mAh (12V DC)
Cranking Ampere: 495 A
Peak Current: 750 A
USB 2.1 Outlet: 5V@2.1A Maximum
Super Bright LED: Yes
Optional Data back up: Yes (OBDII cable provided)
Gasoline Vehicle Application: crank up to 4.0 liters
Diesel Vehicle Application: crank up to 2.0 liters
Operating Temperature: -20°C to + 45°C

- Read this instruction Manual before use.
- Please charge the device for 24 hours before initial usage and recharge every 3 months to maintain good battery life.
- Storage temperature at 3°C to 40°C

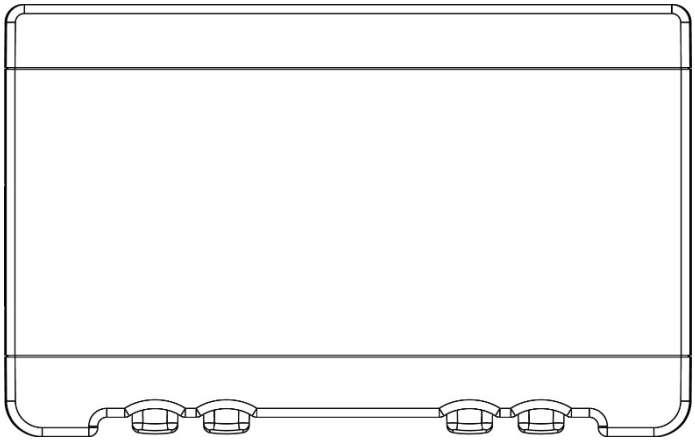
ATTENTION!

Neglecting these instructions & cautions below might cause personal injury and harmful or influence the function of the device.

CAUTION:

- Use the device exclusively for those purposes for which it is developed.
- Do not use the device in rain or damp conditions. The functionality of device might be affected.
- Keep the device away from inflammable material.
- Always make sure the device is in a safe, solid condition!
- The device should be stored in a safe & stable environment
- Keep the device away from children & infirm person's access.
- Do not expose the device directly to solar radiation and / or other source of heat.
- Never throw or drop this product to avoid causing damages.
- The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction. Children should be supervised to ensure that they do not play with the appliance.
- If you do not plan to use the product, please disconnect DC connector of universal adaptor from the Mini Jump Start. The Mini Jump Start will change to power save mode to conserve the battery.
- Never attempt to alter or disassemble the product. If there is a problem with the product please contact your dealer or place of purchase for further assistance.
- Repairs and maintenance may only be accomplished by authorized specialists, who are familiar with the dangers / regulations, which go along with this equipment.
- The Mini Jump Start must be recharged after the battery low voltage protection.

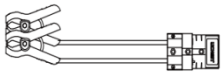
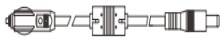
PACKING:



Main unit

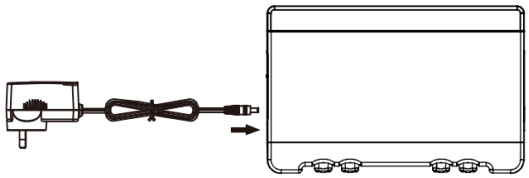
L192XH45XD135mm

ACCESSORIES INCLUDED:

				
AC/DC Battery Adapter	Booster Cable	OBDII Cable	Carry Bag	In Car Charger

Charging the device

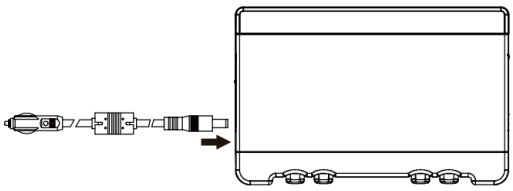
1. Charge via AC adapter



a) Connect AC adapter to device's 12VDC input.

b) Attach the adapter to AC mains, the charger will automatically commence charging of the battery.

2. Charge via DC charger

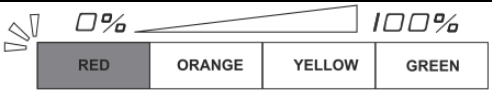


a) Connect charger to the device's 12VDC input.

b) Attach the DC charger to car lighter socket. The red light of DC charger will light on, charge with commence automatically.

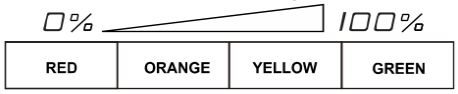
Charging indication

Please refer to the table of light indication for showing the charge status and battery capacity (shown at right).

Capacity Spectrum	
	Green light on 81%—100%
	Yellow light on 61%—80%
	Orange light on 41%—60%
	Red light on 21%—40%
	Red light flash 20% below

LED process for charging

Red(flash)→Red(on)→Orange(flash) →Orange(on) →Yellow(flash) →Yellow(on) →Green(flash) →Green(on) →Completed



ATTENTION

Recharge the device immediately if either of the below scenarios have occurred:

(1) The red light of the spectrum is flashing.

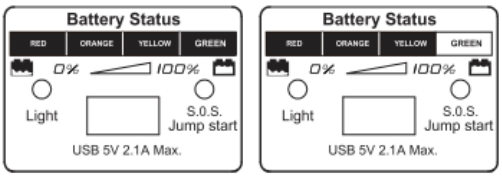
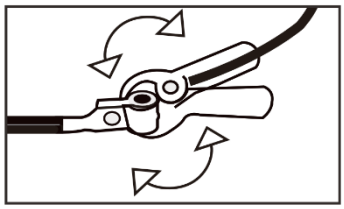
(2) The red light of the low battery indicator is flashing.

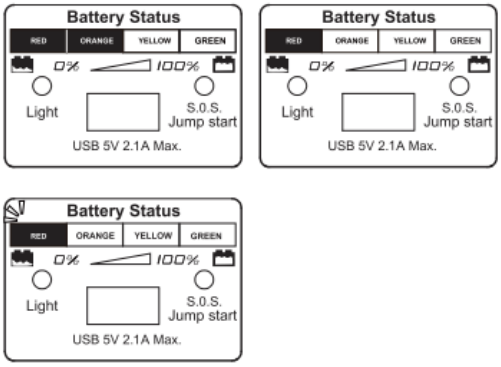
ATTENTION!

1. **USE ONLY THE AC TO DC ADAPTER AND DC CHARGER WHICH ARE INCLUDED WITH THE PACKAGING NEVER TRY TO ATTEMPT TO USE OTHER CHARGER UNITS, OTHERWISE THE BATTERY MIGHT POTENTIALLY BE DAMAGED.**
2. **DO NOT CRANK THE CAR WHEN CHARGE IS ON PROCESSING, WHILE THE OTHER FEATURES, SUCH AS USB OUTPUT HAS STILL ALLOWED TO USE.**
3. **AS LONG AS CHARGE IS FINISHED, PLEASE DISCONNECT THE CHARGER FROM POWER SOURCE AND DETACH THE DC PLUG FROM DEVICE.**
4. **THE DEVICE WILL BE PROTECTED AT EXTREME TEMPERATURE, IT IS NOT RECOMMENDED TO OPERATE AT AMBIENT TEMPERATURE LOWER THAN -20°C OR HIGHER THAN +45°C. OTHERWISE THE OPERATION MAY NOT BE ACTIVATED AT THIS CIRCUMSTANCES, OR MORE CRANK ATTEMPTS MIGHT NECESSARY IN CASE THE FIRST TRIAL HAS FAILED.**
5. **MOREOVER, THE CHARGING PROCEDURE WILL NOT BE STARTED IF THE TEMPERATURE OF BATTERY PACK IS EXCEEDED THE RANGE FROM 3°C TO 40°C.**

CONDITION BEFORE USE

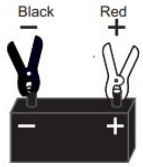
Ensure the below conditions are in proper situation before press the JUMP START button.

1.Ensure the capacity of battery is full  Jump Start can only be used when the spectrum light up to GREEN or YELLOW.	3.Ensure the contact terminals of the car battery are clean.  Erase any corroded substance from battery terminals and ensure correct contact point at the clip. Please note the contact surface of battery terminals must making proper strong and correct positioning before pressing the JUMP START button.

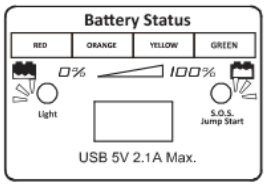


Jump Start can't be used when the spectrum of ORANGE, RED light is illuminated or RED light is flashing, have the device fully been charged immediately.

2.Ensure the polarity is connected correctly

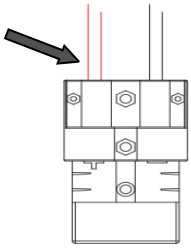


Indication:

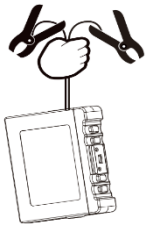


In case reverse polarity connected, the red and white light will be flashing alternately once the power turn on.

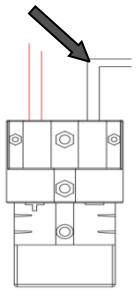
4.Ensure the cable is properly wired and connected well.



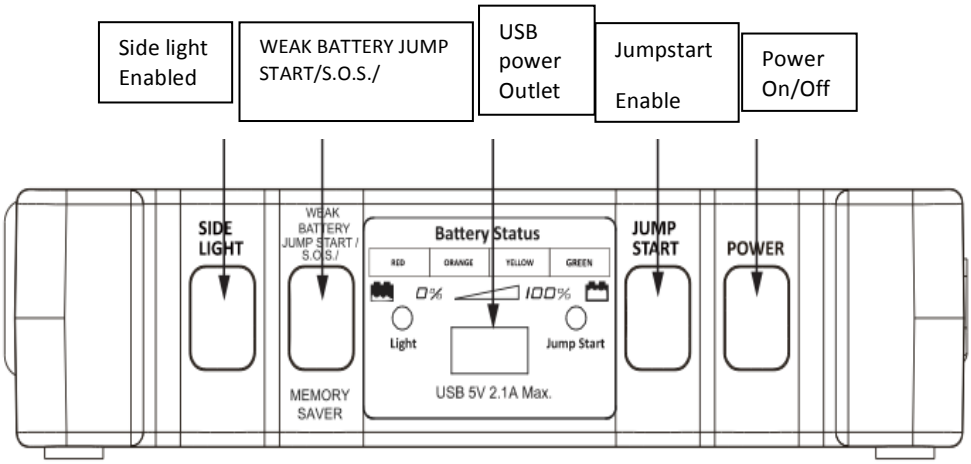
Detach via plug removal only & **do not pull the cable when detaching it from the** device.



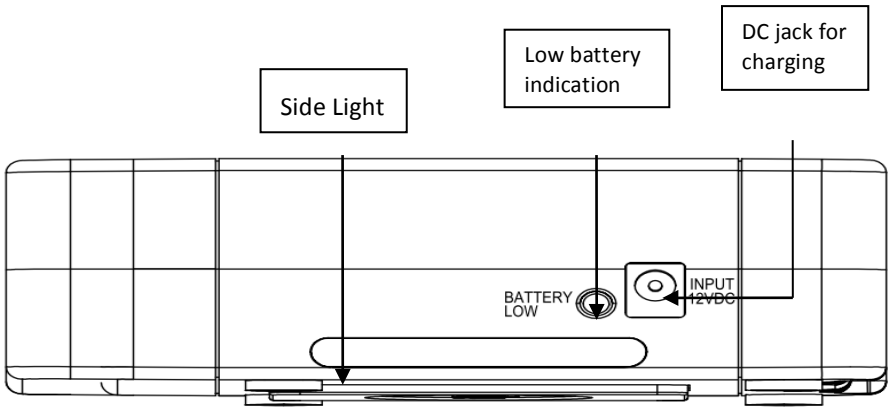
Do not bend the cable when carrying the device.



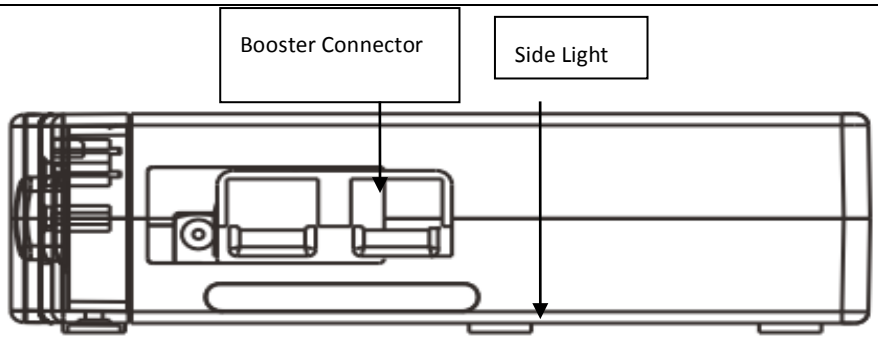
ILLUSTRATIONS:



Front panel



Left side panel

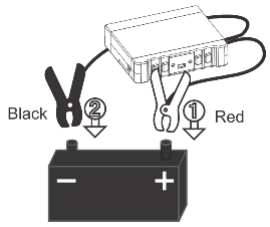


Right side panel

OPERATION OF CAR CRANKING

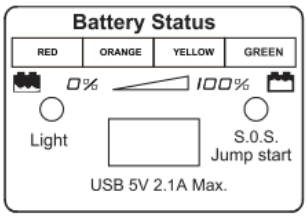
Step 1

Connected Battery



Attach the black negative clip (-) to the car chassis or negative pole of battery, while the red positive clip should attach to positive pole of battery.

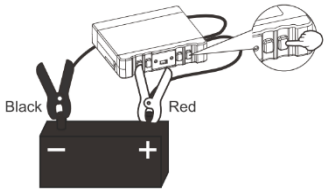
Indication:



If the Power does not switch on, there should no indicator light up.

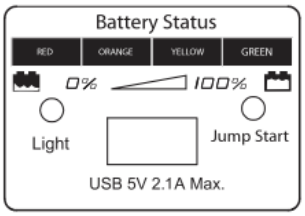
Step 2

Press power button for 1 Sec. to turn on the device



The USB can deliver 5VDC 2.1A (Max.).

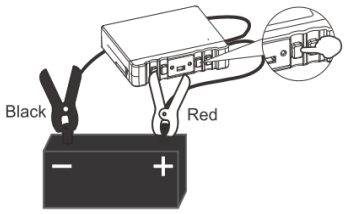
Indication:



Fully charged condition as indicated above is important for cranking the car.

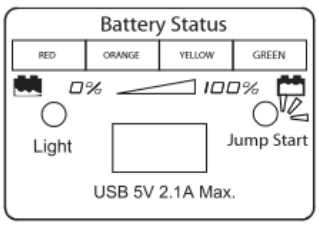
Step 3

Cranking the car



Press JUMP START button to turn on JUMP START function

Indication:

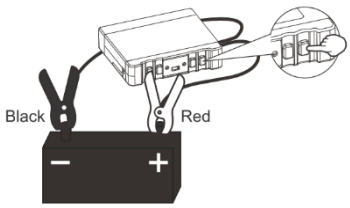


S.O.S / BOOSTER red light on

Note: Red and white lights flashing alternately, the car battery may be dead or short circuit may have occurred.

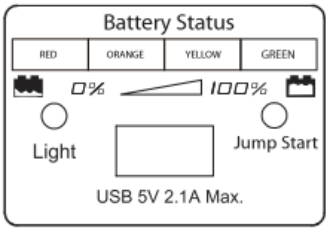
Step 4

Cranking up the car then turn off power



Once the car engine has started, press power button again to turn off the power.

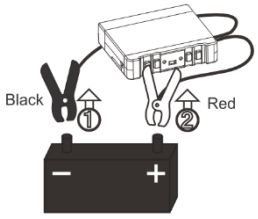
Indication:



Not any indicator lights are on

Step 5

Take off the clip



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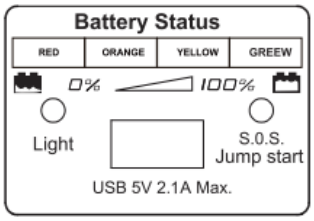


Not any indicator lights are on

Make sure your Mini Jump Start was powered off first then,

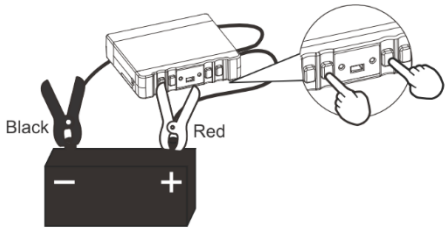
① Take off the black clip (-)

② Take off the red clip (+)

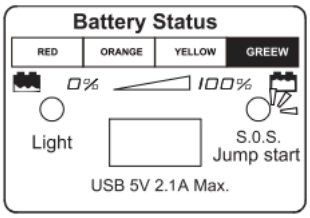
ATTENTION!

1. The activity of engine cranking will be limited in 3 seconds, it will cut off automatically in case failed to ignite. After 15 seconds, resume again for next crank attempt (maximum of 10 times cranking is advised, otherwise the device might potentially be damaged.)
2. The car engine successfully started, please press the power button to turn off the device A.S.A.P.
3. Always re-charge the device after use and make sure it is fully re-charged before use.
4. When reverse polarity or excess its capability has occurred, the device will be automatically protected and all functions are terminated. The LED of light (white) and Booster (red) will flash alternately. Please turn off the device immediately, as long as the situation has fixed then turn on the power again to operate.

OPERATION ON THE CAR WITH A DEAD BATTERY



Indication:



S.O.S / JUMP START RED LIGHT FLASH

Hold the Jump Start and Jump Start / S.O.S buttons simultaneously for 3 sec.

Please make sure the polarity is connected correctly before those buttons are pressed, otherwise the device will be severely damaged.

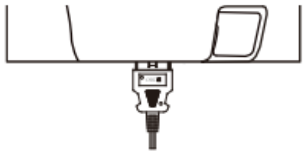
ATTENTION:

1. The car engine successfully started, please press the power button to turn off the device A.S.A.P.
2. The device will automatically shut down when idled after 1 minute.
3. Always re-charge the device after use or has it fully re-charged before use.
4. The device will be protected, if the drawn current excesses its capability. Please turn off the device and then turn on the power again for next attempt after the problem has fixed.
5. In case the operation against the car with dead battery has failed and Red & White lights on front panel flash alternately, please replace by a good battery as soon as possible or assign a professional engineer to examine the car detailed.

OPERATION OF CAR MEMORY SAVER

Step 1

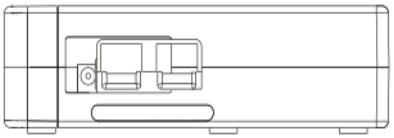
Connect the OBDII plug to the OBDII port of the car.



(Location of OBDII underneath the dashboard or beside the fuse box.)

Step 2

Insert the plug of OBDII into booster output.



Step 3

Press the power button to switch on the device and make sure that the device is fully charged.

Hold the Memory Saver button for 5 seconds until the battery indicator flashes rotatory under convection. It is now possible to proceed with the battery replacement. The device will be turned off automatically after 45 minutes. Please ensure the battery replacement to be finished within this time.

ATTENTION:

1. Ensure the battery of the Jump Start is fully charged before use.
2. Ensure all car doors have been completed closed.
3. It is highly recommended to follow the instructions above otherwise the car memory may go lost during the car battery replacement.
4. When the car battery replacement is completed, power off the device and disconnect the OBDII plug from the car. This MUST be done before the car engine is turned on, otherwise the device might be damaged.
5. While using the device in this mode, keep the electrical load on the vehicle to a minimum and monitor the battery indicator regularly.
6. Please ensure the proper connection & the battery indicator flashes rotatory under convection before battery replacement, otherwise the electronic data will lose.

OPERATION OF ENTIRE LIGHTS

Follow the sequence of button's operation as below. The light must be turned off after use, otherwise the power of battery will be depleted.

SIDE LIGHT BUTTON		**LIGHT / S.O.S BUTTON**		
PRESS	STATUS	PRESS	STATUS	DESCRIPTION
1	LEFT SIDE LIGHT ON	1	RED LIGHT ON (S.O.S) AND BOTH SIDE LIGHT ON	EMERGENCY INDICATION
2	RIGHT SIDE LIGHT ON	2	WHITE LIGHT ON (LIGHT) AND BOTH SIDE LIGHT ON	AUXILIARY WORK LIGHT
3	BOTH SIDE LIGHT ON	3	RED AND WHITE AND BOTH SIDE LIGHT ALTERNATIVELY FLASH	EMERGENCY INDICATION
4	SWITCH OFF	4	SWITCH OFF	

OPERATION OF POWER OUTLETS (USB)

5V USB OUTLET

Connect the electronic appliance to device's USB port and turn on the power. It can deliver 5.0VDC 2.1A max. to power up most 5VDC input digital devices like mobile-phone, tablet PC as well as other 5V USB products.

ATTENTION:

1. To make sure the connection is successful. Please check the electronic appliance. Detach the electronic appliance from the device after use and make sure the power to this device is turned off.
2. The device will be protected if the drawn current has over 5.0VDC 2.1A, please turn on the power again for next operation after the problem has fixed.
3. In any case, if USB does not start properly, perhaps the current from external load is too low, please turn on the S.O.S. / LIGHT and try to reconnect again.
4. The device will be automatically shut down if none of operation and connection within 2 minutes.

Recommendation:

- In case the extremely cold temperature is forecasted, please keep the device to be charged over-night in order to make sure the battery is fully charged. In case the ambient temperature is under -10°C， it is recommended to connect the battery for 3 minutes before jump start attempt . Further, we recommended that you connect the clips to disabled vehicle battery and turn the POWER on, then activate the JUMP START feature by depressing the Jump Start button (JUMP START red light on), then wait for 3-4 minutes prior to cranking the vehicle. This will help activate or "wam " the disabled vehicle battery for best possible results.

- In some occasion, car engine may not be easier to start at first crank, so you are recommended to take several attempts (not more than 10 times), as far as the inside battery have be warmed up, it can help to enhance the battery's performance

- In order to keep the better performance of the device, it is recommended to recharged it in every 3 months, or it ought to be refreshed at least one time within 6 months. If battery is not recharged fully after use and also regularly maintained in a charged state at intervals stated above, then the device will not operate effectively if battery storage conditions were not followed as battery stored in discharged state will deteriorate quickly.

- The device will be protected at the extremely hot circumstance, so it is not recommended to store inside the car compartment during the summer time, and not to be recharged at higher ambient temperature. (Please refer to page 4 point 4 of this user manual).

IMPORTANT : Car Memory Saver Supplement Points

Before disconnecting the positive cable from the battery, it is extremely important to realize this cable is live (it is receiving 12V from the Memory Saver's OBD port) and cannot come into contact with the negative cable or the vehicle ground. Use an insulator to cover the terminal to protect it from accidental contact with the negative cable or vehicle's chassis. Failure to cover and protect the positive cable terminal may create a short circuit and cause damage to the Electronic Control Unit (ECU) or vehicle's electrical system and loss of vehicle memory.

Ensure all car doors have been completely closed and all car accessories are off.

WARNING: The vehicle's electrical system is receiving power from the Memory Saver through the OBD connection. Therefore, the vehicle's battery connectors will still conduct electricity and should be covered with an insulator to prevent the connectors from touching metal or each other and causing a short circuit.

WARNING: To prevent overloading of a vehicle fuse or other vehicle damage, do not use the Memory Saver through the OBDII port if the vehicle's current draw exceeds the vehicle specifications when the vehicle is in a KEY OFF condition. Some newer vehicles continue to draw power for an extended period of time (cooling fans, alarms, etc.). Consult the vehicle manufacturer's specifications to determine the vehicle's exact current draw with all accessories off, then use an amp clamp to determine the actual current draw. The Memory Saver cannot be used on vehicles that draw more power than the smallest fuse in the OBD circuit, ECU circuit or vehicle's electrical system. Exceeding this fuse rating may damage the OBD, ECU and/or vehicle's electrical system.