These instructions are to be used by Clore Automotive customers and end users for the proper packaging and transport by ground, of battery-powered devices for warranty or repair service. These instructions do not address the requirements for transport via air. This item is forbidden for Air Transport via passenger Aircraft.

There are three Main types of batteries for Clore Automotive units:

1) Sealed Lead Acid Batteries
2) Lithium Ion Batteries (This document addresses these batteries)
3) Wet Acid Batteries (These batteries are a Class 8 Dangerous Good, please refer this issue to your companies trained and certified Dangerous Goods Specialist.)

These instructions apply to Clore Automotive units that have been manufactured with a 'Lithium Ion Battery'. These units include but are not limited to; PP15, JAM1, CAM1, ES400, ES580, JNC311, JNC318, JNC325, JNC345, PP15, LNCMINI, LNC1241, LNC1341, LNC1541, LNC1841, LNC2150, LNC2251, LNC2551, LNC312, LNC330, LNC375, LNC7250, JNC8550, JNC8800.
This document does not address units with a Sealed Lead Acid Battery or Wet Acid Battery.

The following units use a customer supplied battery and as such these units should be packaged and transported according to the type of battery that has been installed by the end user; 2001, 3001, 4001.

For the full requirements for the safe transport of hazardous material by Ground transport, refer to the DOT 49CFR regulations.

- 49CFR 173.185 Lithium cells and batteries

Clore Automotive units that contain a Lithium Ion Battery are classified as **UN3481 – Lithium Ion Batteries Contained in Equipment.**
Note: Clore Automotive does not sell loose lithium batteries. Lithium Ion Batteries are only available when assembled inside a unit. These procedures do not cover the instructions for packing or transporting of loose Lithium Ion Cells or batteries.

Clore Automotive strongly recommends that all personnel engaged in the handling and transportation of units with Lithium Ion Batteries be fully trained in the Hazardous Material regulations.

The following table lists the common safety requirements for transporting units with Lithium Ion Batteries.

1 Damaged units that contain a Lithium Ion Battery are forbidden from general transport. A damaged unit may have the potential of producing a dangerous evolution of heat, fire or short circuit and must be scrapped/recycled and turned into an appropriate battery recycling company. Special disposal requirements must be followed for damaged units. Do not return damaged Lithium Ion units to Clore Automotive for any reason.	

	Forbidden for Transport when Damaged
2 All cables and accessories should be unplugged from the unit. All Covers must be in place or covered by a non-conductive material.	
3 The unit should be placed inside its case (if applicable). This will provide an extra level of protection during transportation.	 
4 The unit (or unit inside it's case) is to be placed inside a sturdy carton, with adequate packing material to withstand a 1.2 meter (48 inches) drop test in any orientation without damage to the unit. The carton must have a minimum size of 5"x4" to allow for the required label. When shipping Multiple pieces within a single carton the battery weight must be 5 kg or less. The battery weight is found on the Lithium Battery Safety Document available on the Clore Automotive website.	
5 A Lithium Battery Label must be applied to the carton. This label MUST have red hatching marks, thus a black and white copy of this label is not acceptable. A colored Label pdf is available by on the Clore Automotive website.	

6 The Watt Hour (Wh) rating must be marked on the outside of the carton. This marking may be hand written. (The Watt Hour rating is available on the Clore Automotive Lithium Battery Safety Document.) **Note:** All other markings from the carton that do not apply must be removed or covered.