Before handling batteries, please read and adhere to all of the following requirements:

• Wear the appropriate personal protection equipment.
• Handle all returned batteries with the same responsible care as new batteries.
• Keep batteries upright at all times. Do not tip over on side or upside down.
• Do not throw or drop batteries. Put batteries carefully down on pallet.

1. Select a sturdy pallet with no broken or missing boards. Be sure there are no nails sticking up, which could puncture the batteries. Stack return battery pallet using pallet provided with new shipment if possible.

2. Place a layer of cardboard on the pallet to prevent the batteries from sliding off of the pallet.

3. Make the first layer of batteries level and as close together as possible. If some of the batteries are shorter, they should be placed in the center of layers. Any taller batteries should be placed on the top layer.

4. Place waffleboard (preferred) or sufficient cardboard (multiple sheets if necessary) between all layers, including the top layer of batteries to prevent the possibility of puncturing the batteries above and short circuit. Stack return battery pallet using pallet provided with new shipment if possible.

5. Side terminal batteries must be stacked so the posts are facing away from each other and not facing towards the outside of the pallet. Side terminals must never touch.

6. Top posts must be positioned toward the outside of the pallet so the top layer above it remains toward the center. Make sure that all batteries are maintaining the waffleboard or sheets of cardboard.

7. Ship post batteries (Marine, Group 31) should be the top layer. This is not possible, you will need extra layers of cardboard between the layers of batteries to prevent punctures. This is also important when stacking three layers high.

8. Damaged batteries that are not visibly leaking electrolyte must be put in heavy-duty polyethylene plastic bag (minimum 6 mil), properly sealed with plastic ties and placed in the middle of the top layer.

9. Lead wheel weights must be put in a plastic bucket and covered. The bucket shall be placed in the center of the top layer with the handles secured to prevent contact with battery terminals.

INSTRUCTIONS FOR WRAPPING PALLET

All batteries must be secured to the pallet with stretch wrap. Stretch wrap works best if it is pulled tight before stretching it around the corners. Figure 4 shows a properly wrapped pallet.

1. Start with the stretch wrap formed sideways to create a 90° angle (see Fig. 1). Wrap around the top layer first.

2. Still using the wrap effect, wrap the top layer twice again, crossing over the top each time to form an “X” pattern. This will pull the batteries towards the center to prevent batteries from falling off of the pallet, a DOT requirement.

3. Hold the stretch wrap open (see Fig. 2 and 3), wrap around the bottom layer twice, being sure to catch the edges of the pallet. Finally, after placing cardboard on top of the batteries, wrap around the top layer twice with the stretch wrap in the open effect and tear at the last corner.

4. Wrap on many times as necessary to stabilize the load. These guidelines are to assist in compliance with Federal DOT safety regulations. Please assist the driver in complying with the law. Failure to comply with the guidelines can result in refusal by the carrier to accept material. In addition, failure to comply can result in fines and penalties from federal, state, and local authorities.

INSTRUCTIONS FOR STACKING PALLET

1. Select a sturdy pallet with no broken or missing boards. If none are found, make sure the pallet is not sitting on a wet surface. Place return battery pallet using pallet provided with new shipment if possible.

2. Place cardboard on the pallet to prevent the batteries from sliding off of the pallet.

3. Make the first layer of batteries level and as close together as possible. If none of the batteries are shorter, they should be placed in the center of layers. Any taller batteries should be placed on the top layer.

4. Place waffleboard (preferred) or sufficient cardboard (multiple sheets if necessary) between all layers, including the top layer of batteries to prevent the possibility of puncturing the batteries above and short circuit. Place cardboard on top of top layer.

5. Side terminal batteries must be stacked so the posts are facing away from each other and not facing towards the outside of the pallet. Side terminals must never touch.

6. Top posts must be positioned toward the outside of the pallet so the top layer above it remains toward the center. Make sure that all batteries are maintaining the waffleboard or sheets of cardboard.

EAST PENN manufacturing co., inc.