

# Stacking and Wrapping Junk Batteries

Select a sturdy pallet with no broken or missing boards. Be sure there are no nails sticking up which could puncture the batteries. Use EPM pallets when possible.

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

The first layer of batteries must be level. Shorter batteries should be placed in the center of the layer and taller batteries should be placed on the top layer. Top posts must be positioned toward the outside of the pallet so the layer above it leans toward the center. Bolt post batteries (Marine, Group 31) should be on the top layer. If 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 junks three layers high.

**You must place sufficient cardboard between the layers of batteries to prevent the possibility of puncturing the batteries above.** Waffleboard or multiple layers of cardboard should be used.

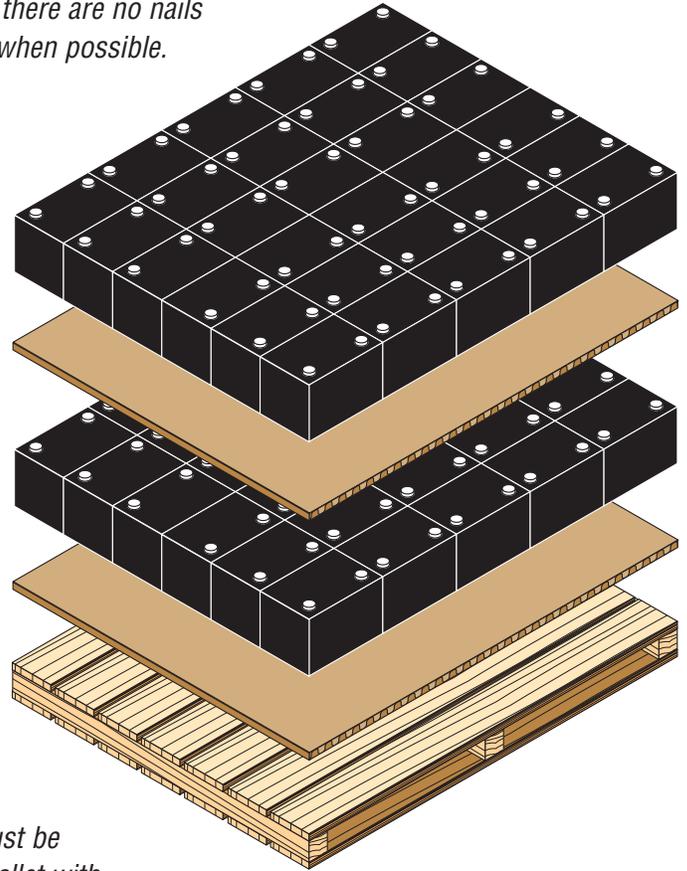


Figure 1



The batteries must be secured to the pallet with stretch wrap. **The trick to using stretch wrap is to pull the wrap tight before turning the corners.**

Start with the stretch wrap turned sideways to create a rope effect (see figure 1). Wrap around the top layer twice. Still using the rope 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 spills, a DOT requirement.

Figure 2



Hold the stretch wrap open (see figure 2), wrap around the bottom layer twice, being sure to catch the edges of the pallet.

Finally, wrap around the top layer twice with the stretch wrap in the open effect and tear at the last corner.

Figure 3 shows a properly wrapped pallet.

Figure 3



**Only Lead-Acid Batteries may be returned.**

**Maximum Pallet Size: 44" x 48"**

**Maximum Weight Per Pallet: 3000 lbs.**

**Maximum Layers Per Pallet: 2**

**These guidelines are to assure compliance with Federal DOT safety regulations. Please assist the driver in complying with the law.**