



### SurLok™ Battery Adapters

#### BACKGROUND

A customer wanted to simplify the battery hookups and eliminate the conventional lead batteries in the 24 volt system. There are two batteries per vehicle, each with mechanically terminated cables with clamps colored plastic caps for positive and negative terminals

#### PROBLEM

The customer wanted to eliminate the lead battery clamps. Excessive labor costs were associated with the mechanics torquing the nuts on the battery clamps. There was also a problem with the reliability of the connection over time and usage.

#### AIO SOLUTION

AIO's solution involved incorporating the 5.7 and 10.3mm SurLok™ pins as a component of the battery adapter itself. These adapters will be cast copper with zinc plating. The SurLoks™ will be overmolded to wire, providing an aesthetically pleasing and an environmentally sound assembly. The secure connection of the Surlok™ adds reliability to this application.

