

BACKGROUND

Although the overall dimensions of the ODYSSEY® battery model 65-PC1750 fully complies with the requirements set forth in the relevant Battery Council International (BCI) standards, in a few instances such as in the 2013 Ford Taurus and its many variants (including the Taurus-based Police Interceptor vehicle) the positive SAE post is not tall enough for the connector to have a secure connection, as shown in the photo on the left.



The combination of the step on the battery cover and the terminal distribution block on the positive cable prevents the positive connector from being adequately torqued – the connector does not sit far enough down on the positive post of the battery to facilitate a secure connection.

SOLUTION

The solution to the insecure connection outlined above lies in making the battery post taller so that the connector can fully engage with the post and allow it to be properly torqued. Measurements made with a sample installation show that the battery's existing SAE post needs to be about 0.063" taller to ensure a physically secure connection. Lengthening the positive and negative posts by this small amount will maintain the battery's overall dimensions within the limits specified by the BCI and will therefore not cause form/fit issues with the ODYSSEY 65-PC1750 battery.



Fig 1: Redesigned terminal – connector on



Fig 2: Redesigned terminal – connector off

The new, enhanced design ODYSSEY battery model 65-PC1750 battery will have hexagonal style tin plated SAE brass posts, as shown in Figure 2 above. They will be slightly taller, as discussed earlier to allow a secure connection of the positive cable assembly in 2013 Ford Taurus vehicles to the positive battery terminal, as illustrated in Figure 1.

This change applies to all BCI Group 65 batteries manufactured and sold by EnerSys and includes private branded products