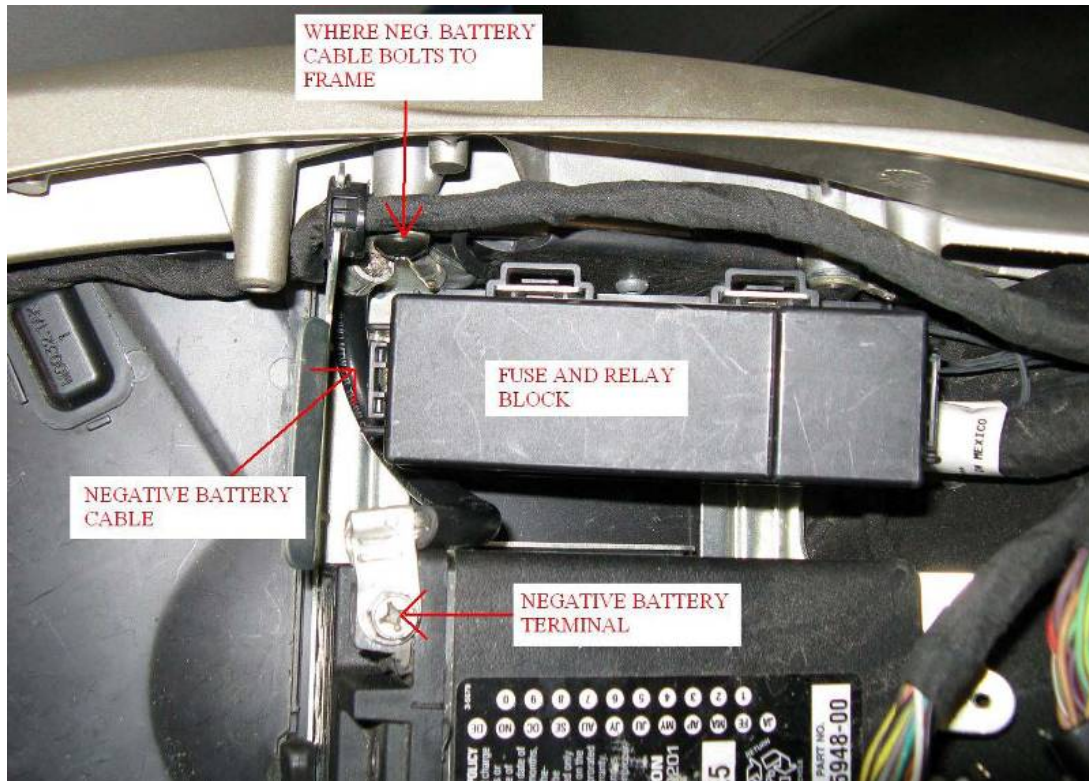


## 2006 – 2009 Buell Ulysses Ground Repair

Poor ground connections have been found at the tail section ground locations. Below are some of the symptoms that you might see, and a procedure to repair this condition. While the specifically affected models are 2006 to 2009 XB12X, this Tech Tip could serve as a reference for improving ground circuits on any model.

In the figure below, you can see where the negative battery cable is attached to the tail section of the vehicle. This ground location is essential to virtually all of the motorcycle's electrical systems. A poor contact here can cause poor running issue and no crank conditions. The instrument cluster may even stay on after the key is turned to the OFF position. These issues can also be intermittent.

### XB Tail Section Ground Location

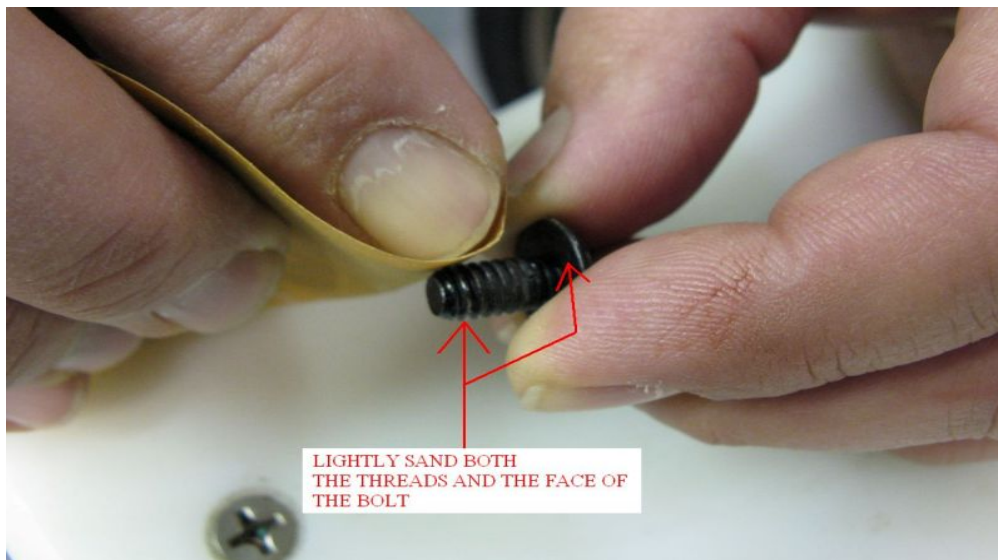


To clean the ground area, you must remove the fastener that secures the ground terminals to the tail section and clean all surfaces. This includes the fastener, tail section boss, ring terminals, and battery tray. (See images below)

### Ground Fastener to Be Removed

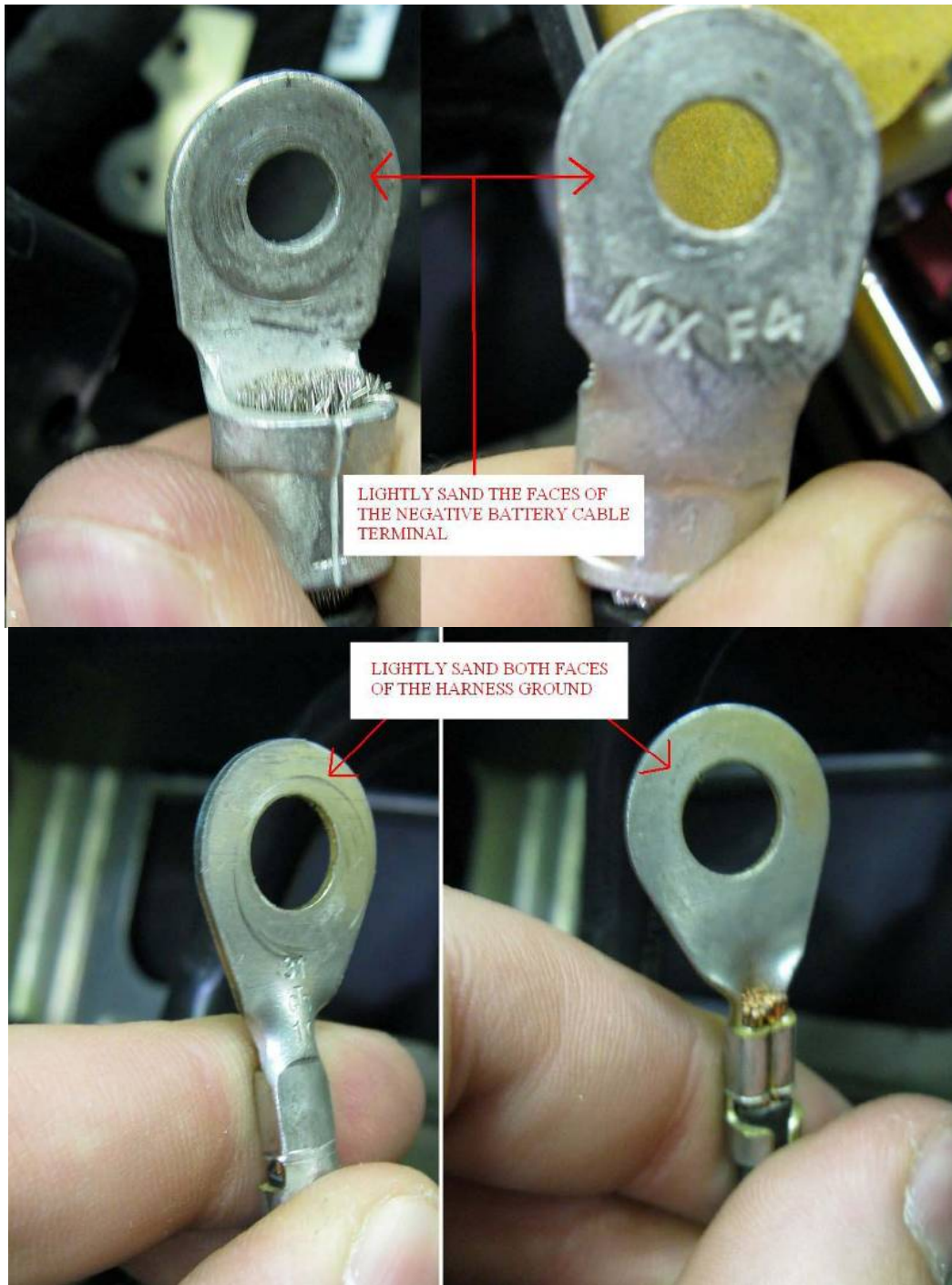


Once the faster is removed, lightly sand both the threads and the face of the screw. (See image below)



Lightly sand both sides of the ring terminals to clean any impurities from the surfaces. (See images below)

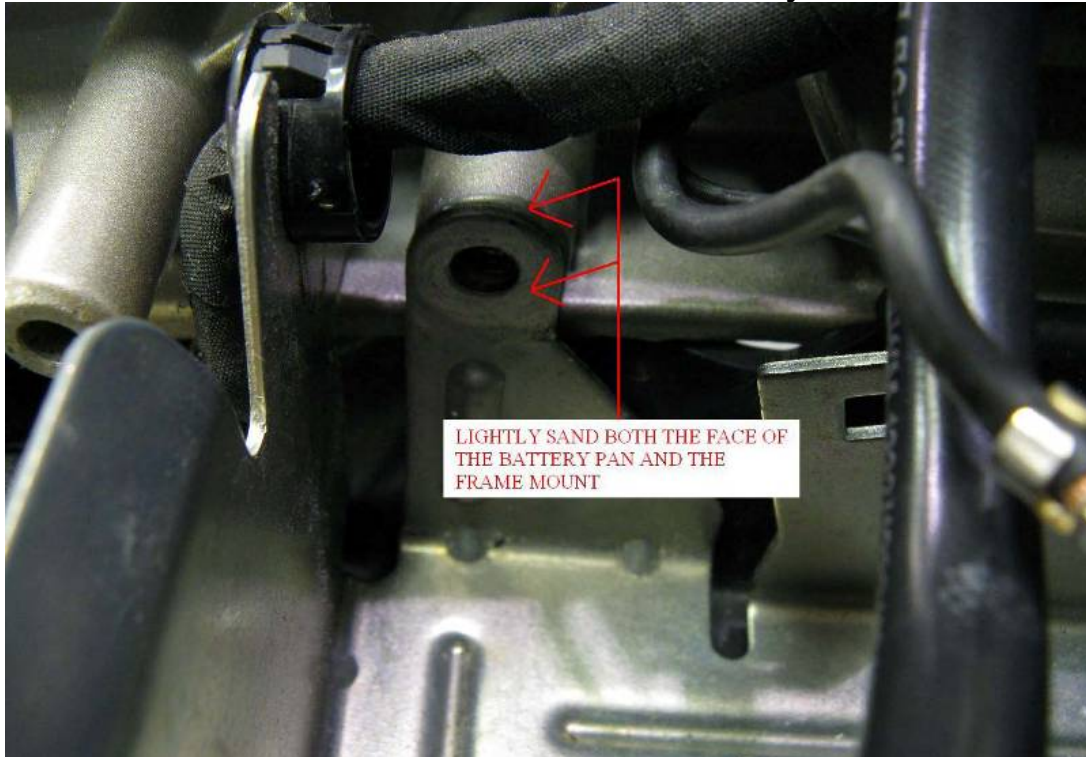
### Ring Terminals to Be Cleaned



Lastly, clean the ground boss and the battery tray surfaces by sanding to remove any paint or other impurities.



### Tail Section Ground Boss and Battery Pan



After all of these surfaces have been cleaned, apply dielectric grease to the fastener and reinstall to 72-108 in/lbs. (97.6 – 146.4 Nm).