Instructions on how to adapt the current Cali Raised LED Tacoma molle panel to the OEM 2016+ Toyota Tacoma LED bed light system.

Figure 1 shows the conflict between the factory LED bed light and the Cali Raised LED panel making the driver's side LED light module obsolete and not allowing the panel proper fitment.

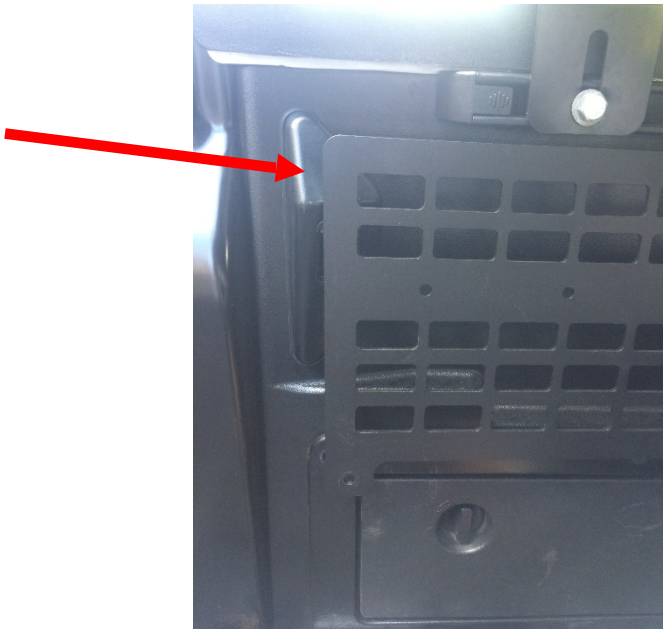

Figure 1 - Molle Panel and LED conflict

The first thought was to remove the light altogether, but I felt there had to be an easy solution to this situation. So, I removed and disassembled the bed light.

Figure 2 shows the factory bed light and the two Philips screws which secure the light pod to the bed.

Figure 2 - Screw Placement

Figure 3 shows the LED pod removed. You can see that it is hard wired and there is a rubber grommet between the LED housing and the bed for prevention of water intrusion.

Figure 3 - Led Housing Removed

Figure 4 shows the backside of the housing. There is a rubber piece made for weather proofing that needs to be removed prior to exposing the bedside of the LED housing. Once removed the actual LED and associated circuit board is exposed. There are three small Philips screw which must be removed to free the LED and circuit board.

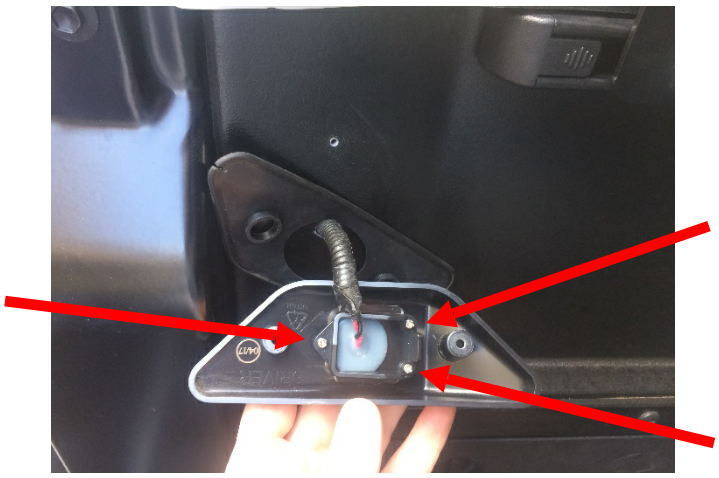

Figure 4 - LED Housing Backside

Figure 5 shows the LED circuit removed from the housing along with the associated hardware and a weather grommet that surrounds the LED.

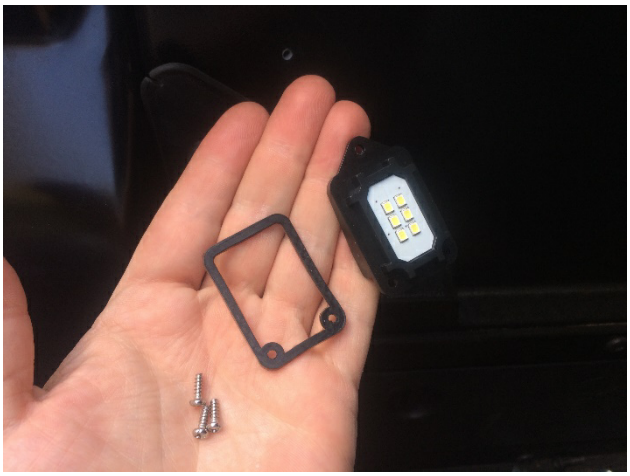

Figure 5 - LED, Weather Grommet, and Hardware

Once the molle panel has been properly assembled and it is ready to mount to the bed side, maneuver the LED circuit through the molle panel cutout as depicted in Figure 6. There is just enough space with ample clearance that the LED should not have to be forced in any way. NOTE: I made a mistake in this picture as you can see the LED housing weather gasket is behind the molle panel. Remove the weather gasket prior to feeding the LED through the molle panel.

Figure 6 - LED Circuit and Molle Panel

The LED is then reassembled in the reverse order of disassembly. Figure 7 shows the LED weather grommet being reinstalled.

Figure 7 - LED Weather Grommet

Then feed the LED circuit through the LED housing weather gasket. The driver's side label is oriented towards the bed/molle panel. The side without labeling should face you and the weep/drainage hole (red arrow) will be installed to the housing point down Figure 8.

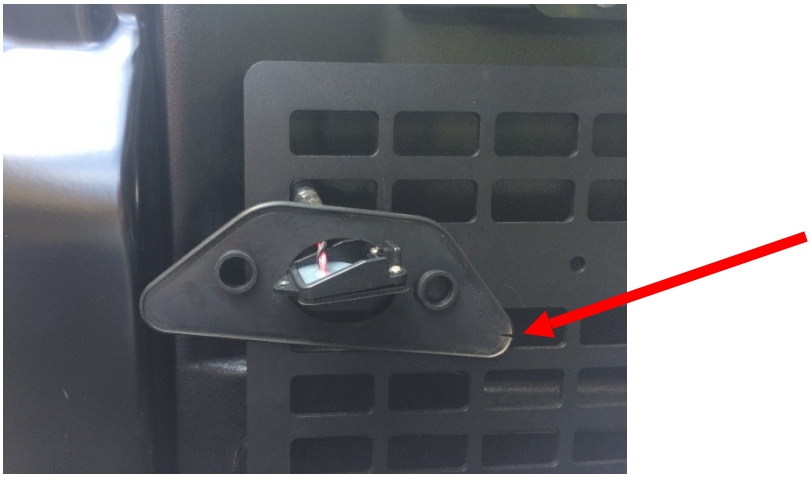

Figure 8 - LED Housing Weather Gasket

The housing is then placed over the weather gasket and oriented to accept new hardware. I used a M8 machine screw approximately 1.5 cm long with a fender washer and a nyloc nut. I just used what I had lying in the garage. The backside of the molle panel is depicted in Figure 9 with the fore mentioned fixtures.

Figure 9 - LED Housing Hardware Backside Molle Panel

Prior to torqueing down the LED housing hardware, reposition the housing as desired. I lined up the housing as parallel to the molle edge as possible and pushed the housing down as far as it would go. In this position it is very close to the original factory position. Figure 10 shows the LED properly installed.

Figure 10 - LED Housing Installed on Molle Panel

After the LED housing is torqued down, continue with the molle panel installation. Figure 11 shows the completed installation. Test to make sure that you LED still functions properly. And you are done. Took about 20 minutes for the entire install to include the LED housing relocation, but please take your time and attention to detail is the name of the game.

Figure 11 - Completed Installation