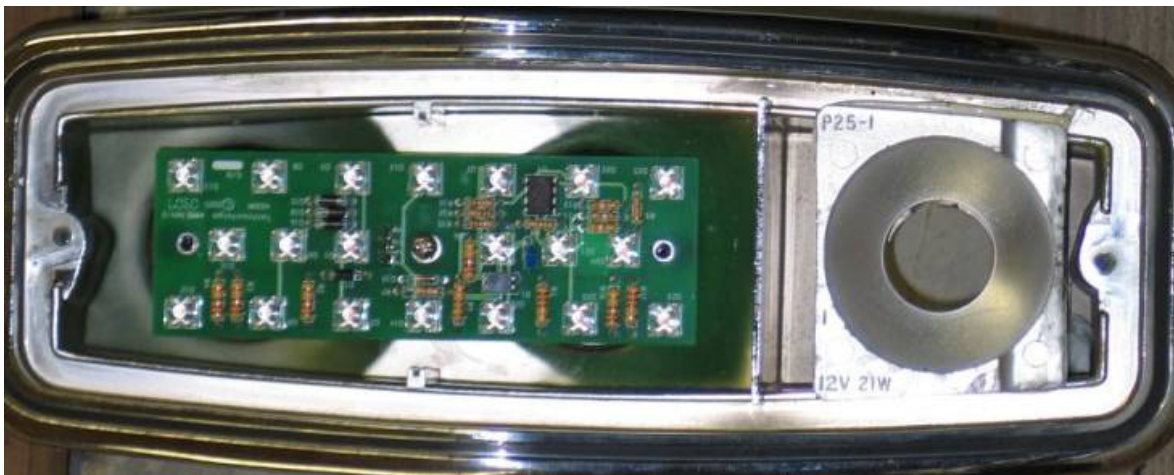# 1984-1991 Grand Wagoneer
&
1982-1983 Cherokee
LED Taillight Conversion

Notes:

1. This procedure requires mechanical and electrical modifications.

2. Note: please read through all instructions prior to removing or installing any part. If you do not feel comfortable with the instructions or in your ability to install or modify your vehicle, please take to a reputable mechanic to have them perform the installation. BJ's Off-Road can not and will not determine your ability to install this product, and the extent of our warranty and liability only cover the component itself, and does not cover improper installation, abuse, neglect, labor rates, etc. Contact us with any questions prior to installation.

To install the LED's, follow the instructions below:

1. Disconnect negative battery cable
2. Remove taillight lenses from both taillights
3. Remove cargo area side panels to access the back of the taillight housings
4. Remove each taillight housing (2 nuts each)
5. Remove both upper bulbs (leave the reverse light bulb)
6. Cut the pink, white and green wire from your factory taillight harness
7. Remove the upper green wire from the top bulb location of the housing (it should push through the housing now that the wire is cut leaving a nice hole to run your new wires)
8. Run the LED wires through the top hole and cut and splice the wires according to the diagram below using the supplied connectors
9. Drill a 9/64" (one size over 1/8") in the housing (see below picture for location)
10. Install LED light using the adjustment nut to get the correct distance and tighten it with the nyloc nut on the back of the housing
11. Repeat for other side and double check that all blinkers, brake lights and taillights work
12. Reinstall housings and lenses
13. Enjoy your new LED lights!

Stock Wiring Color: (S)	**LED Wiring Color: (L)**
Pink(S)	Red(L)
White(S)	Black(L)
Green(S)	Yellow(L)
Black(S) (Ground)	Green(L) (Ground)

Drill Hole at Arrow:

Finished Product:

This system is equipped with RapidFire, which is when the LED gives three rapid flashes followed by bright, constant on (this helps to get people's attention behind you). If you don't want RapidFire, you can disable it. But once disabled, if you ever want to change back to RapidFire, you will need to solder on the circuit board. To disable, on the circuit board find the component labeled R9. Take a small pair of side cut pliers and cut one (or both) of the metal leads going to R9. This will disable RapidFire.

The four wires on the LED's are:
1. LED Kit Green – Ground
2. LED Kit Black - Tail light
3. LED Kit Red - Stop
4. LED Kit Yellow - Turn

Don't forget to install an electric flasher in your fuse panel!