**LED HARDWARE CONNECTION GUIDE FOR ALL SIDE MARKERS, TURN SIGNALS AND TAILLIGHTS WITH BUILT IN LED HAEDWARE (off road vehicles only)**

1. Side markers with built in LED hardware:

* Each light comes with wiring and red wire connectors.
* Identify the positive and negatives on the side markers original wiring and clamp these red connectors with the additional wiring from the new lights to activate the led parts without cutting the original wiring and just clamping in to it.

Additional wiring options/ideas:

* Some customers have opted for connecting the led hardware built in on the side markers for the Ford Trucks to the turn signal and use them as side turn signal while using the led bulb as a regular side marker. This can be done by extending the wiring on the led hardware and safely routing it to the front turn signals this way when the parking lights are on, the regular bulb turns on, then the turn signals are activated, the led hardware from the side markers will blink with the turn signal.

1. Front turn signals and tail lights with LED hardware:

* For the turn signals and tail lights, locate the turn signals wire/break light wire and the parking lights wire
* Once you have located the turn signal/Break light wiring, use the included red wire connectors to clamp the led hardware wiring to the original wiring without cutting any of the original wiring. Positive with positive and negative with negative. (you can use a multimeter to locate what color is positive and negative for each light.
* The tail lights will have 2 negative connections, and two sets of wiring. One set will be brighter than the other, the brighter set will be connected to the break/turn signal wiring and the other to the parking light wiring.

All lights include light bulbs in case that none of the LED hardware wants to be installed or all can be installed with light bulbs also.

Please reference the document called LED Wiring Connector Instruction for how to connect the wire connectors if you have any questions or reach out to us.

**NOTE: remember that any LED upgrade for any older car might require to replace the Flashing relays to operate properly since the LED bulbs draw less energy from the car than a normal halogen bulb and may cause a low voltage signal alert or irregular flashing.**

Disclaimer Please read:

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