# Look Behind You

**by Tom Endy**

Many new cars delivered today come equipped with a backup camera. When you put the gear shift lever in reverse the camera mounted at the back of the car sends a video signal to a small screen at the dash showing what is behind you much better than does the rear view mirror.

After market installation kits are also available. One such kit manufactured by Yada sells for around $100 and is sold by Costco. It operates from 12-volts and the camera is wired to the cars back up lights. The 5" screen is attached to the dash or windshield with a suction cup. The screen is also powered by 12-volts; however, the video signal from the camera to the screen is transmitted wirelessly.

The Yada back up kit can also be installed in a Model A Ford, and that is exactly what I did. There are a number of ways the kit can be installed and it is up to the creativity of the owner to come up with a suitable installation. Both the camera and the screen can be installed so that they are easily removable when the car is parked so as not to aggravate the sensibilities of purists.

My Victoria has the original 6-volt electrical system. However it is equipped with an inverter that provides 12-volts used to power a GPS and recharge a cell phone. The inverter is capable of a 2.5-amp output. The Yada back up system consumes only 900 milliamps, so it is well within the inverters ability to power the Yada along with its other assignments.

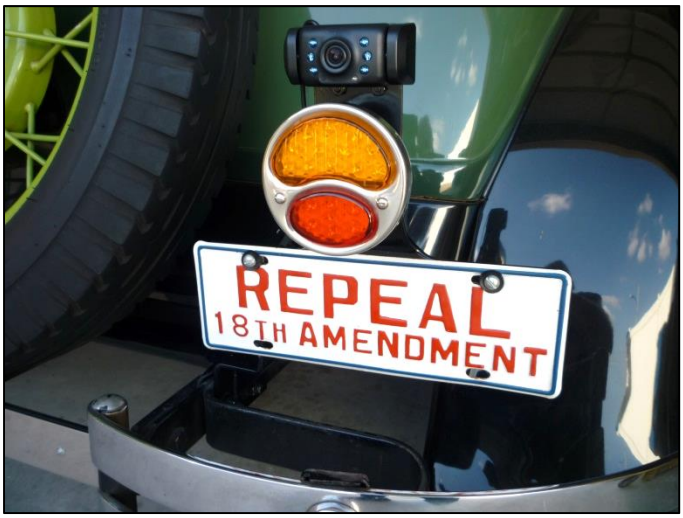
With my installation the screen is mounted to the left side of the dash rail. The screen itself is attached to a wooden oak fixture that straddles the dash rail. A small chassis box is mounted to the base of the oak that contains a switch that powers both the screen and the camera. A small connector is mounted to the chassis box that has a mating connecter that attaches to a cable that brings in the electrical. The cable can easily be disconnected and the screen mount can then be removed from the dash rail and put away under the seat.

The camera is mounted to the right rear of the car, right above the right tail light using a bracket I fabricated that attaches to the back of the tail light cup. My camera installation is a permanent mount. However it could easily be mounted such that it is removable and an in-line connector used to disconnect the power cable to it when parked.

My back up system is used not only for backing up but also when I need to see behind me, especially when trying to move over to a right hand lane. It is an easy matter of flipping the switch right by my left hand to turn on both the camera and the screen.



**The screen is positioned to the left side of the dash rail with a U-shaped oak fixture that straddles the rail. The switch on the left side of the chassis box powers both the screen and the camera. The cable connector on the right side of the chassis box is easily disconnected.**




**The Yada camera is mounted above the right tail light, is vertically adjustable and has night vision capability.**