

## Tire-Tele System

The Tire-Tele system is made up of three basic parts:

1. Inside the tires, clamped to the wheels, is a module that generates power as the wheels turn, senses tire pressure, and transmits a radio signal if the tire pressure is low.
2. Mounted close to the wheel wells in the trailer, and in the area of the univolt in motorhomes, is a receiver tuned to pick up radio signals from the tire modules.
3. An indicator, with a small red light, is mounted to the dash. The red wire is connected to the accessory side of the automotive fuse block, and the white wire to the receiver. In the trailers the connection is made through the orange circuit of the 9-way plug. On motorhomes the wire runs directly from the receiver to the dash mounted indicator.

### THEORY OF OPERATIONS

As the wheels turn, power is generated by the wheel module. If the tire pressure drops 10 to 15 PSI below normal, the pressure sensor will close and the power is supplied to the transmitter. This all takes place unseen within the tire.

The transmitter sends out a radio signal that is picked up by the receiver mounted inside the coach and grounded. The signal will close contacts in the receiver, and the signal, through wiring, will be completed to the indicator light causing it to be illuminated.

An electrical check system is built into the components. When the tow vehicle and trailer is connected, and the ignition key is on, the indicator light is illuminated a few seconds and then will go off.

The attached schematic was drawn up for the trailer system. The motorhome is even simpler. Just disregard the 9-way connectors and run the wire directly from the receiver to the dash mounted indicator.

