

### Auto Coupler Ring Detection

#### Description

The typical ring frequency on standard U.S. phone lines is 20Hz. Both types of auto couplers built before July 2000 have been set with 20Hz as the lowest ring frequency that the auto-answer circuitry will respond to. However, with some PBX systems, the ring frequency is actually lower than 20Hz, making it undetectable to the auto-answer circuitry.

#### Resolution

The low frequency threshold of the auto-answer circuitry can be lowered to about 14Hz by changing R33 from a 147K to a 200K resistor. All units built since July 2000 have the 200K resistor.

The illustration below shows the location of the component.

