

## PRODUCT/SERVICE BULLETIN

ISSUE DATE: February 24, 1997 TO: All O.E.M Manufacturers and Installers FROM: HWH Corporation RE: 610 Series, Computer-Controlled Leveling System Applications

The sale of 610 Series Computer-Controlled leveling systems should be discouraged on vehicles that have a natural rake to the front or rear of more than 3 inches. Typically, jacks have approximately 5 inches of lifting capability, therefore, the jacks have to lift 3 inches just to level the coach on level terrain. If the combined slope of the natural rake of the vehicle and ground exceeds 5 inches, the system will commonly go into an excess slope situation. The system will shut off leaving the vehicle unlevel and one or two jacks not touching the ground. These remaining jacks can be extended by using the manual buttons, however, customers complain they spent the money for an automatic system but really have a manual system.

Manually controlled leveling systems have the same lifting capability, however under manual operation, the operator will realize what is happening.