



# TECH TIPS

**Dixie Part Numbers:** A-8210 A-8317 A-8318 S-2055  
S-8218

**Applications:** 1989 – 1992 Ford Probe  
1989 – 1992 Mazda 626  
1989 – 1992 Mazda MX6

**Condition:** The operator of the vehicle may complain of continually finding the battery discharged and/or the vehicle not cranking over and/or starting. Lights dimming a low speed or idle may further compound this.

**Cause:** A potential cause for the above condition is water contamination in the electrical connectors located in front of the radiator and in the engine compartment.

A second potential cause for this is that there is a micro switch, which controls the under-hood light, is incorporated into the hood release handle found on the interior of the car. If the switch is out of alignment the under-hood light remains on.

If the lights are dimming at low speed or idle the alternator speed may be the cause of the problem.

**Correction:** Perform a voltage drop test on all electrical connection in the areas indicated (refer to *TSB-001 Voltage Drop Testing*). It is strongly recommended that each connection be separated, properly cleaned, filled with die-electric grease, reconnected and resealed with heat shrink tubing if possible.

If the under-hood light micro switch is the cause of the problem installing a thin washer between the switch and the dashboard can align it.

The manufacturer released a service kit to increase the alternator speed by changing the crankshaft pulley and the alternator pulley. The kit number is E92Z-010344-D

REV: 20100409 Added Mazda applications