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| Subject: BATTERY CHARGING CAUTIONS | Bulletin No: 01-051/06 |
| | Last Issued: 11/30/2006 |

BULLETIN NOTE

This bulletin supersedes the previous bulletin 01-012/99 issued on 04/19/99. The APPLICABLE MODEL(S) and DESCRIPTION have been revised.

APPLICABLE MODEL(S)/VINS

1995-2007 B-Series
1997-2003 Protege
1997-2005 Miata
1997-2002 626
1997-2002 Millenia
1997-2006 MPV
2001-2006 Tribute
2003-2007 Mazda6
2004-2007 Mazda3
2004-2007 RX-8
2006-2007 Mazda5
2006-2007 MX-5
2007 CX-7

DESCRIPTION

When attempting to re-charge a fully discharged battery, apply caution and remove it from the vehicle. If a sulphated battery is charged in the vehicle with the battery cables connected and the charger is set to the "high" charge setting, excessive voltage produced by the charger may result in damage to the Powertrain Control Module (PCM), audio system, memory back-up circuits and other electrical devices. Damage may also occur to power window switches, lights and other similar components that are activated or that are in use while the battery is being charged in a vehicle with the battery cables connected. The maximum voltage for vehicle electrical components is approximately 15 volts. Battery chargers generate at least 15 volts, and in some cases, as much as 20 volts under the "high" charge setting.

CAUTION: It is still recommended that whenever reprogramming modules using M-MDS (IDS/PDS), that a battery charger be connected to the vehicle battery and set on the "low" charge setting to prevent module damage due to a low or weak battery condition.

NOTE: Removing battery cables will erase memory circuits for audio, PCM, and other devices in the vehicle. Vehicles with the auto open/close and anti-pinch feature (Mazda6, Mazdaspeed6, CX-7, etc.) must have the Power Window Initialization Procedure performed. Refer to Service Bulletin 09-014/06: POWER WINDOW AUTO OPEN/CLOSE AND ANTI-PINCH FEATURES INOPERATIVE.