Customer Service Bulletin
Commercial Business Group

January 8, 2002

General Product Information

Model/Serial Range:	Model Numbers:	Serial Numbers:
	00000-99999 (All)	00000-210999999 (All)

Subject: Ensure adequate grounding in electrical systems to prevent damage.

The electrical system ground (earth) path resistance can increase due to corrosion or disturbances during repairs. A ground fault (incomplete ground) of this nature can cause the engine to be the only path to ground. When an engine or other drivetrain component becomes the only ground path other failures can occur. These failures can be as simple as a seized throttle cable caused by the heat of being a conductor, or as extensive as engine bearing failures due to arcing. The addition of high amperage accessories, such as optional lighting, can accentuate the damage caused by a ground fault.

When optional lighting or other higher amperage accessories are installed, insure that the ground is routed through a properly sized wire to create a direct negative battery connection. Do not rely on a ground tied to the nearest frame member

Note: This issue is critical for the models listed due to the type of connection between the crankshaft and the drive train.

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