HD ON HIGHWAY SERVICE **ZF INDUSTRIES INC.**

777 HICKORY HILL DRIVE

VERNON HILLS IL.60061

PHONE: 847-478-6835 FAX: 847-478-6843

E-MAIL: bill.labuda@zf-group.com



To:

CC:

From: Bill LaBuda

Subject: Low voltage problem on Bluebird Wonder Lodge coaches.

Complaint: Hard or erratic shift complaints will not engage forward or reverse.

Cause: Low voltage to ZF electronic control module.

Repair: Locate power supply for ZF system, 12 volt ignition feed to ZF wire # 19 (red). There must be a minimum of 12 volts there at all times. If not retrofit a new power supply feed as follows.

Ignition 12 Volt (fused)

