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J-Ball Electronics Div.
Specializing in E.C.M. Repairs and Calibrations

WEBSITE = WWW.ECMSFORDIESELS.COM

VERY IMPORTANT!

**DO NOT ATTEMPT TO INSTALL YOUR RECON ECM UNTIL
THE FOLLOWING STEPS ARE TAKEN.**

**THE FOLLOWING PROCEDURES MUST BE CARRIED OUT, IF NOT,
WARRANTY COULD BE VOID!**

- 1. WRITE DOWN ANY PREVIOUS ECM FAULT CODES AND GIVE US THIS INFORMATION**

- 2. IF YOU ARE FINDING FUEL INJECTOR FAULT CODES, REPLACE YOUR FUEL SOLENOID , EVEN IF IT CHECKS OUT OK, MOST CASES OF PROBLEMS ARISE FROM THE FUEL SOLENOID VALVE BEEN FAULTY!**

- 3. HAVE ALL YOUR INJECTORS TESTED AND \ OR REPLACED.**

- 4. MAKE SURE YOUR BATTERIES ARE CHARGED AND PUTTING OUT THE PROPER VOLTAGE!
IF YOUR BATTERIES ARE PUTTING OUT 6 OR LESS VOLTS REPLACE THEM!**

- 5. TEST AND \ OR REPLACE THE THROTTLE AND ENGINE POSITIONING SENSORS.**

- 6. CHECK WIRING HARNESSSES , ESPECIALLY THE SENSOR HARNESS, AS IT TENDS TO SHORT OUT FROM CORROSION,
ALSO CHECK ALL THE SENSORS FOR SHORTING OUT AGAINST METAL.**

- 7. SOME 'REBUILT' STARTERS THAT DON'T HAVE THE 'OVERRIDE RELAY' INSTALLED
CAN ALSO BE A PROBLEM FOR ECM.**

- 8. DO NOT LET ANYONE USE YOUR ECM AS TEST UNIT, IT COULD COME BACK WITH FAULTS AND PROBLEMS!**