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Phone # 5 _____ Fax # 5 _____

PRE-OBD2 LEVEL 1 (INITIAL) ANALYSIS

Procedure and Sign-Off List

Level 1 Diagnosis is for a **driveability problem that is constant and can be reproduced consistently during a normal road test or while in the service bay**. It is also the first step in the diagnostic procedure levels and must be COMPLETED before moving on to additional diagnostic procedures.

This is a Diagnostic TEST PROCEDURE to determine what problems exist and the charge for TESTING only. All other repairs that have to be made are at an **ADDITIONAL COST**.

- ___ 1. Has customer completed driveability questionnaire #13? Is this the same person that normally drives vehicle?
- ___ 2. Are there any TSB's for this problem?
- ___ 3. **Verify customer concern during road test with customer** – is there enough gas for testing?
- ___ 4. Visual inspection of engine and vehicle for obvious problems: vacuum lines, broken motor mounts, plug wires off or melted, sensor wires to ground wires off. New accessory added? _____
- ___ 5. Cylinder balance test and actual compression test. Problems found.

1. _____	2. _____	3. _____	4. _____	6. _____	7. _____	8. _____
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- ___ 6. Scope primary ignition and repair as needed.
- ___ 7. Scope secondary ignition and repair as needed.
- ___ 8. Verify proper ignition timing. Actual _____ Specs _____
Test vacuum advance and control advance if applicable.
- ___ 9. Test fuel pressure Actual _____ Specs _____ (use an accurate gauge – 58 psi minimum on GM vortec).
- ___ 10. Test fuel volume – at least one quart per hour. Use Flow Meter.
Call Lindertech at 1-888-809-3853 for his new fuel pressure, volume and resistance catalog.
- ___ 11. Smoke Test vacuum system for leaks and repair as needed. (Smoke machine plans on iATN.net)
- ___ 12. Confirm EGR and EGR solenoid operation – are passages plugged?
- ___ 13. Test battery under load.
- ___ 14. Test charging system. Voltage reading _____ Are diodes ok? AC ripple _____
- ___ 15. Check for any exhaust restriction or convertor problem.
- ___ 16. Is MAF Sensor dirty? Is duct integrity after MAF sensor?
- ___ 17. Test for voltage in the coolant system (even 0.1 volts is too much voltage).
- ___ 18. Can technician pull codes to determine how much more diagnostic time is needed. **Level 2 Procedure will document all DTC's** – record on scan data sheet, procedure #27.
- ___ 19. Can ECM control fuel pulse width?
- ___ 20. Does engine rev to 195 degrees?

****Wipe off all handprints – return vehicle clean.**

ALL OF THESE REPAIRS MUST BE COMPLETED FIRST

before moving onto a Level 2 or Level 3 procedure test

Customer _____	Vehicle _____
Technician _____	Date _____ Mileage _____
Comments _____	