

[A.] Customer & Vehicle Information

Year/Make/Model:	Ticket #:
VIN:	Mileage:
Name:	Date:
Complaint / symptom:	

[B.] Classify the No-Start

START result: ☐ CRANKS ☐ NO CRANK ☐ SLOW CRANK Cranking RPM:

If NO CRANK / SLOW CRANK → complete [C.]. If CRANKS normally → continue to [D.] Fuel, [E.] Air/Mechanical, and [F.] Spark.

[C.] Starter / Cranking System

[1.] Engine rotates manually? ☐ Yes ☐ No

NO → remove drive belt and try again.

[2.] Rotates with drive belt removed? ☐ Yes ☐ No

YES → inspect belt-driven accessories. STILL NO → mechanical engine restriction suspected.

Battery Resting V	Cranking V	Starter B+ V	Current Draw	Positive Drop	Ground Drop
			A	V	V

Excessive voltage drop above 0.2 V? ☐ Yes ☐ No Starter current draw abnormal? ☐ Yes ☐ NoStarter signal voltage during START: V Starter bench tested: ☐ Yes ☐ No Result: ☐ Pass ☐ Fail Bench current: A

[D.] Fuel Check

KOEO	Cranking	Idle (if starts)
PSI	PSI	PSI

Fuel pressure within vehicle specification: ☐ Yes ☐ No For expanded testing use [1040.1] Fuel Pressure Test.

[E.] Air & Mechanical Check

Intake path: ☐ Clear ☐ Restricted Air filter: ☐ OK ☐ Restricted Visible intake fault:Compression/mechanical concern suspected: ☐ Yes ☐ No If yes → [1042.1] Compression Test / [1036.3] Leak-Down.

[F.] Spark / Ignition Check

Spark present: ☐ Yes ☐ No Quality: ☐ Strong/consistent ☐ Weak/intermittent Cylinders:Measured timing: deg Commanded: deg Follows command? ☐ Yes ☐ No

Cylinder	1	2	3	4	5	6	7	8
Plug Gap								

[G.] Decision

☐ No-crank electrical / starter fault ☐ Mechanical engine restriction ☐ Fuel-delivery fault ☐ Spark/ignition fault ☐ Compression/mechanical fault ☐ Inconclusive