

[A.] Customer & Vehicle Information

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

[B.] Verify & Characterize Concern

Concern verified: ☐ Yes ☐ No Vehicle speed: MPH Engine speed: RPM Gear:
 Condition: ☐ Idle ☐ Acceleration ☐ Steady Cruise ☐ Decel/Coast ☐ Braking ☐ Turning ☐ Reverse
 Felt most strongly: ☐ Steering wheel ☐ Seat/Floor ☐ Pedal ☐ Body ☐ Engine/Drivetrain

[C.] Primary Isolation Flow

Concern follows: ☐ ENGINE RPM ☐ VEHICLE SPEED
 ENGINE RPM: duplicated stationary? ☐ Yes ☐ No Test in: ☐ Park ☐ Neutral ☐ Drive ☐ Reverse Strongest RPM:
 Inspect/test engine/trans mounts, exhaust contact, accessory drive, engine operation/misfire, and torque-converter/flexplate area as indicated.
 VEHICLE SPEED: begins MPH strongest MPH diminishes MPH
 Changes with engine RPM at same road speed: ☐ Yes ☐ No Coast: ☐ Yes ☐ No Load: ☐ Yes ☐ No Braking: ☐ Yes ☐ No Turning: ☐ Yes ☐ No

[D.] Wheel / Tire Inspection

Pos	Tire Condition	Wheel Condition	PSI
LF	☐ Good ☐ Damaged	☐ Good ☐ Damaged	
RF	☐ Good ☐ Damaged	☐ Good ☐ Damaged	
LR	☐ Good ☐ Damaged	☐ Good ☐ Damaged	
RR	☐ Good ☐ Damaged	☐ Good ☐ Damaged	

Check: ☐ Uneven/cupped wear ☐ Separated tire ☐ Bent wheel ☐ Missing weight ☐ Excessive runout ☐ Foreign material/debris
 Balance performed: ☐ Yes ☐ No Road-force measurement: ☐ Yes ☐ No Result:

[E.] Wheel Bearing Diagnosis

Noise/play detected: ☐ Yes ☐ No Affected: ☐ LF ☐ RF ☐ LR ☐ RR Noise changes loaded/unloaded: ☐ Yes ☐ No

[F.] CV Axle / Joint Inspection

☐ Grease leakage ☐ Torn boot ☐ Excessive inner-joint play ☐ Excessive outer-joint play ☐ Clicking in turns ☐ Vibration under acceleration

[G.] Driveshaft / U-joint / Propeller Shaft

Driveshaft equipped: ☐ Yes ☐ No ☐ Excessive U-joint play ☐ Binding U-joint ☐ Carrier bearing abnormality
☐ Driveshaft damage ☐ Missing balance weight ☐ Slip-joint abnormality Driveshaft runout: in

[H.] Powertrain / Mounts / Transmission Cross-Check

Engine/trans mounts: ☐ Good ☐ Torn/collapsed ☐ Fluid-filled mount leaking Exhaust contact/binding: ☐ Yes ☐ No
 Torque-converter lockup shudder suspected: ☐ Yes ☐ No If yes, verify TCC slip and use [1044.1] Transmission Diagnostic Worksheet.