

NCRS 1984 - 1989 Corvette Performance Verification Test

Owner's Name: _____ Membership #: _____ Date: _____

Address: _____

City: _____ State: _____ Zip: _____

Area Code & Phone: _____

Chapter Affiliation _____

Location _____

Regional Meet National Convention

Model Year: _____ Complete VIN: _____ Horsepower: _____

Exterior Color: _____ Interior Color: _____

Coupe Convertible

LIABILITY INSURANCE VERIFICATION (Event Participation Requires Proof of In-force Liability Insurance)

Insurance Company Name: _____

Policy Number: _____ Expiration Date: _____

Important: Prior to beginning test, owner and judge review Judging Reference Manual for test prerequisites and requirements including: Expected component function, seat belt use, engine RPM requirement, single malfunction repair and failure. Conduct test in order listed, circling each pass. Note specific reason for test failure. Conduct test in safe legal manner.

Verifier is to score by circling "Pass" or "Fail" at right-hand column; one failure terminates test.

PRETEST

Pretest: Owner, Third Flight, Liability Insurance, VIN Plate, Registration, License Plate(s),

Driver's License, Tire Type, Wheel Type Yes No

Pretest: Cold Engine Check Yes No

THE TEST STARTS NOW—Cold Engine Start & Idle

Pre-start Fluid Leaks Pass Fail

Automatic Transmission Starter Safety Switch (no cranking in forward & reverse ranges) Pass Fail

Manual Transmission Starter Interlock (no cranking unless clutch pedal is all the way to floor) Pass Fail

Start (no excessive cranking) (no starter drag) Pass Fail

Idle (engine must be cold) Pass Fail

Verify Engine Cooling Fans 'Off' Pass Fail

Check for Excessive Engine Belt Squeal (with A/C on & off) Pass Fail

Exhaust System (no leaks) Pass Fail

Normal Idle (check for smoke, misfire & noisy lifters) (with A/C on & off) Pass Fail

INTERIOR & EXTERIOR

Windshield Wipers: Speeds, Mist & Delay (check wiper pattern) Pass Fail

Windshield Washers (check coordination with wipers, even spray, no wiper streaking & shut-off) Pass Fail

Stop Engine after Washer Test

Clock (depress volume control to display, ign. off) & Reset - Time Pass Fail

Interior Courtesy Lamps (underdash & dome) (check door remotes & light switch lamp functions) Pass Fail

Map Light Pass Fail

Lighted Vanity Mirror Pass Fail

Seat Belt Warning Lamp & Chime Pass Fail

Seat Belt Adjustment & Buckle Function (& locking retractors) Pass Fail

Seat Track Fore & Aft Manual Adjustments (both seats) & Optional '6-way Power Driver Seat. Pass Fail

Seat Back Tilt (latching & release function) (both seats)	Pass	Fail
Glove Compartment Lock & Latch Function	Pass	Fail
Glove Compartment Lamp	Pass	Fail
Coupe Luggage Area Storage Compartment Doors Open & Latch Functions	Pass	Fail
Coupe Rear Storage Compartment Lock & Key Function (oval-head key)	Pass	Fail
Coupe Rear Security Shade	Pass	Fail
Coupe Rear Hatch Operation	Pass	Fail
Inside Door Locks & Door Handle Open & Latch Functions (inside handles inoperative when locked).....	Pass	Fail
Warning Light (off unless fuel supply less than 2 gallons)	Pass	Fail
Generator Indicator Lamp (activate with ignition on, engine off)	Pass	Fail
“Check Engine” light or the “Service Engine Soon” light	Pass	Fail
Cigarette Lighter Element (must pop out & glow)	Pass	Fail
Ash Tray (door opens & closes smoothly) (tray snaps securely into place)	Pass	Fail
Ignition Switch & Key Function (including accessory position)	Pass	Fail
Ignition Key Warning Chime (activate by opening left door)	Pass	Fail
Anti-Theft Ignition & Steering Lock	Pass	Fail
Tilt-Telescopic Steering Column	Pass	Fail
Inside Rearview Mirror Pivoting & Day/Night Adjustments (must hold position during drive)	Pass	Fail
Hood Release & Latching Function (must remain latched during test drive)	Pass	Fail
Underhood Lamps	Pass	Fail
Hood Hinges & Support	Pass	Fail
Horn Button (check for total horn button circumference contact)	Pass	Fail
Horns (dual horns all years)	Pass	Fail
Outside Door Latch Mechanism Open & Close Function (both doors)	Pass	Fail
Outside Door Lock & Key Function (oval key only, both doors)	Pass	Fail
Door Hinges Operation (left & right)	Pass	Fail
Outside Rearview Mirror Adjusting Operation (must maintain position during drive)	Pass	Fail
Coupe Removable Roof Panel Latches (check lock & release functions)	Pass	Fail
Coupe Roof Panel Storage Brackets	Pass	Fail
Convertible Top Operation (if applicable).....	Pass	Fail
Fuel Filler Door Catch (spring-loaded hinge) & Gas Cap (ratcheting mechanism)	Pass	Fail
Anti-Theft Alarm (check arm/disarm w/oval key; doors, hatch remote switches)	Pass	Fail
Spare Tire Carrier	Pass	Fail
Jack & Cranking/Lug Wrench Tool.....	Pass	Fail
Spare Tire Illumination Lamp (activates with interior courtesy lamps)	Pass	Fail
DRIVING LAMPS & ACCESSORIES		
RESTART Engine (Optional).....	Pass	Fail
Headlamp Doors	Pass	Fail
Low Beam Headlamps	Pass	Fail
High Beam Headlamps	Pass	Fail
Headlamp Bright Beam Indicator (blue)	Pass	Fail
Fog Lamps	Pass	Fail
Front Parking Lamps (must use amber bulbs; must operate with headlamps on)	Pass	Fail
Front & Rear Turn Signals (with & without park lamps on) (front side markers must integrate).....	Pass	Fail
Cornering Lamps	Pass	Fail
Direction Signal Pilot Indicators (must flash green) (must operate with hazard flasher	Pass	Fail
Emergency Hazard Flasher Switch & Lamps	Pass	Fail
Brake Lights	Pass	Fail
Tail Lights & License Lamp	Pass	Fail
Front & Rear Side Marker Lamps (front side markers integrate with turn signals)	Pass	Fail
Back-Up Lights	Pass	Fail

Cover Windows to Facilitate Interior Light Checks

Instr. Panel Gauge, Radio & Clock Illum. (check light sw. brightness regulator & display dimming).....	Pass	Fail
Console Illumination (auto trans, shift quadrant & heater-A/C control)	Pass	Fail

Uncover Windows

Brake System Warning Light (check using park brake lever)	Pass	Fail
Park Brake Lever Apply & Release Function	Pass	Fail
Radio Volume & Tone Controls (must sound clear with no static)	Pass	Fail
Radio AM-FM- Selector Function	Pass	Fail
Radio Display Function (digital readout/AM-FM-indicator)	Pass	Fail
Stereo Radio Reception Indicator Light & Speaker Balance Control (must play in stereo)	Pass	Fail
Stereo Tape Player (cassette)	Pass	Fail
Radio Scan & Seek Functions	Pass	Fail
Power Antenna (extends with radio on; retracts with radio or ignition off)	Pass	Fail
Heater & A/C Fan Speeds	Pass	Fail
Heater & A/C Temperature Control.....	Pass	Fail
Air/De-Ice Control (non-A/C) (airflow from off to floor to windshield defroster duct)	Pass	Fail
Air Conditioning System (must blow cold in “norm” & “max” [inside air] positions)	Pass	Fail
A/C Air Flow Duct Outlets Positioning (center & outboard)	Pass	Fail
Coupe & Convertible Hardtop, Rear Window Defogger (timed indicator light & element operation)	Pass	Fail

TEN-MILE ROAD TEST

Trip Odometer (reset to “0000” & check operation/accuracy during test drive) End	Pass	Fail
Odometer (check operation/accuracy during test) Begin & End	Pass	Fail
Acceleration (check for engine misfire & stumble)	Pass	Fail
Deceleration (check for backfire)	Pass	Fail
Cruise Control (if equipped)	Pass	Fail
Speedometer	Pass	Fail
Tachometer	Pass	Fail
Verify “Check Engine” or “Service Engine Soon” light off.....	Pass	Fail
Oil Pressure (30 to 70 lbs.)	Pass	Fail
Oil Temperature	Pass	Fail
Engine Coolant Temperature (normal 195-250; 250 max; check for overheating)	Pass	Fail
Voltmeter	Pass	Fail
Fuel Gauge	Pass	Fail
Turbo Boost Gauge (1987, 1988, 1989 B2K only)	Pass	Fail
Direction Turn Signal Cancel (left & right)	Pass	Fail
Direction Signal ‘Lane Change’ Function (left & right)	Pass	Fail
Sunshades (move freely & maintain position on test) (vanity mirror lights)	Pass	Fail

MANUAL TRANSMISSION

Excessive Noise (including clutch throw-out bearing)	Pass	Fail
Gear Engagement (no grinding)	Pass	Fail
Upshift & Downshift Operation (must be smooth)	Pass	Fail
Clutch Action (no slippage)	Pass	Fail
Clutch Pedal Adjustment (check for free play)	Pass	Fail
Clutch Spin Down Time (disengage clutch, wait 9 seconds, shift to reverse; no grinding)	Pass	Fail
Acceleration & Deceleration (no popping out of 2 nd & 3 rd gears)	Pass	Fail
Reverse Gear (reverse lockout)	Pass	Fail

AUTOMATIC TRANSMISSION

Shift Lever Detent Button	Pass	Fail
Gear Engagement	Pass	Fail

Smooth Shifts	Pass	Fail
Ability to Shift Manually	Pass	Fail
Torque Converter Slippage	Pass	Fail
Throttle Acceleration Kickdown	Pass	Fail
Reverse	Pass	Fail

REAR AXLE

Check for Excessive Axle or Wheel Bearing Noise	Pass	Fail
Check for Universal Joint Noise & Driveshaft Vibration	Pass	Fail
Check for Positraction Chatter	Pass	Fail

BRAKES

Check for Squeal & Rotor Pulsation	Pass	Fail
ABS Brakes.....	Pass	Fail
Check for Pull to Left or Right	Pass	Fail
Check Brake Pedal Travel & Power Assist	Pass	Fail

STEERING & HANDLING

Steering Wheel Center	Pass	Fail
Tracking Ability (check for left or right wander, account for road crown)	Pass	Fail
Ability in Right & Left Turns	Pass	Fail
Check for “Shimmy” & Excessive Free Play in Steering Wheel	Pass	Fail
Check for Wheel Balance	Pass	Fail

GENERAL PERFORMANCE

Check for Excessive Rattles	Pass	Fail
Check for General Tightness of Vehicle (does it shake & rattle over bumps, etc.)	Pass	Fail
Check for Excessive Wind Drafts Due to Improper Side Window Fit or Top Sealing	Pass	Fail

FOLLOWING ROAD TEST

Automatic Transmission Parking Detent (without park brake assist)	Pass	Fail
Automatic Transmission Driveline “Clunk” (shifting from D to R, indicating faulty U-joints)	Pass	Fail
Parking Brake Ability (in neutral; hill or slow roll)	Pass	Fail
Parking Brake Ability (car in gear)	Pass	Fail
Power Steering Ability While Stopped (check for excessive pump/belt noise while turning)	Pass	Fail
Check for “Dieseling” (<i>STOP ENGINE</i>)	Pass	Fail
Check Headlamp Remind Buzzer (ign. off, light sw. on, park & headlamps).....	Pass	Fail
Note Time of Day on Clock Since Initial Check & Notation	Pass	Fail
Check for Closed Hood.....	Pass	Fail
Check for Engine Oil, Gas, or Coolant Leaks	Pass	Fail
Check for Power Steering Pump & Rack & Pinion Leaks	Pass	Fail
Check for Brake Master Cylinder Leaks (underhood & underdash) & Wheel Caliper Leaks)	Pass	Fail
Check for Transmission Leaks	Pass	Fail
Check for Rear Axle Leaks (pinion seal)	Pass	Fail
Check ECM (jump terminals A & B to activate trouble code system)	Pass	Fail
Verify No ECM Trouble Codes Stored	Pass	Fail
Has Anything Fallen Off or Come Loose?	Pass	Fail
Note Any Unusual Occurrences During Test	Pass	Fail
Any Necessary Rechecks	Pass	Fail

END OF TEST

Performance Verifier: _____ Test: PASS _____ FAIL _____
 (Signature) _____