

# NCRS 1990-1996 Corvette Performance Verification Test

Owner: \_\_\_\_\_ Membership #: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Location of Meet: \_\_\_\_\_ Driven/Trailer: \_\_\_\_\_

Model Year \_\_\_\_\_ VIN: \_\_\_\_\_ Color: \_\_\_\_\_ H.P. \_\_\_\_\_

Insurance Company: \_\_\_\_\_ Policy #: \_\_\_\_\_ Expires: \_\_\_\_\_

**Important :** Prior to registering for PV test the owner should review the 1990-1996 Corvette Operations Manual & Performance Verification Test Guide for test prerequisites and requirements including expected component function, seat belt use, engine RPM requirement, single malfunction repair and failure. Test is to be conducted in the following approximate order listed. 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. A failure of any item during any part of the test constitutes a failure.**

**PRETEST**

Owner has achieved at least Third Flight .....	Yes	No
Driver's License .....	Yes	No
Liability Insurance .....	Yes	No
VIN Plate .....	Yes	No
Registration, License Plate(s) .....	Yes	No
Tire Type, Wheel Type .....	Yes	No
Pretest: Cold Engine .....	Yes	No

**THE TEST STARTS NOW**

**INTERIOR & EXTERIOR**

Outside Door Lock & Key Function (Oval key only both doors) .....	Pass	Fail
Outside Door Latch Mechanism Open & Close Function (Both doors) .....	Pass	Fail
Keyless Entry System (Not Applicable 1990, 1991 & 1992) .....	Pass	Fail
Door Hinge Operation (Left & right) .....	Pass	Fail
Inside Door Locks & Door Handle Open & Latch Functions (Inside handles inoperative when locked) .....	Pass	Fail
Anti-Theft Alarm (Check arm/disarm w/oval key; doors, hatch remote switches) .....	Pass	Fail
Windows .....	Pass	Fail
Dash Compartment Lock & Latch Function .....	Pass	Fail
Dash Compartment Lamp .....	Pass	Fail
Console Compartment Lock & Latch Function .....	Pass	Fail
Console Compartment Lamp .....	Pass	Fail
Coupe Rear Hatch Operation .....	Pass	Fail
Coupe Rear Security Shade .....	Pass	Fail
Coupe Roof Panel Storage Brackets .....	Pass	Fail
Coupe Rear Storage Compartment Lock & Key Function (Oval-head key) .....	Pass	Fail
Coupe Luggage Area Storage Compartment Doors Open & Latch Functions .....	Pass	Fail
Tire Strap Function (ZR-1 & 96 Grand Sport Only) .....	Pass	Fail
Convertible Top Well Area Storage Compartment Doors Open, Latch, Lock & Key Functions .....	Pass	Fail
Seat Track Fore & Aft Manual Adjustments of Both Seats & Optional 6-way Power Driver Seat .....	Pass	Fail
Seat Back Tilt (Latching & release function, of both seats) .....	Pass	Fail
Seat Belt Warning Lamp & Chime .....	Pass	Fail
Seat Belt Adjustment, Buckle Function & Cinch Function .....	Pass	Fail
Sunshades (Move freely & hold position during test including drive) .....	Pass	Fail
Lighted Vanity Mirror .....	Pass	Fail

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## INTERIOR & EXTERIOR (CONTINUED)

Map Light .....	Pass	Fail
Inside Rearview Mirror Pivoting & Day/Night Adjustments (Must hold position during drive) .....	Pass	Fail
Anti-Theft Ignition & Steering Lock .....	Pass	Fail
Ignition Switch & Key Function.....	Pass	Fail
Ignition Key Warning Chime (Activated by opening left door) .....	Pass	Fail
Engine Power Key Function (ZR-1 only) .....	Pass	Fail
Tilt Steering Column .....	Pass	Fail
Horn Operation (Both pads).....	Pass	Fail
Outside Rearview Mirror Adjusting Operation (Must hold position during drive) .....	Pass	Fail
Ash Tray (Door opens & closes smoothly; tray snaps securely into place).....	Pass	Fail
Cigarette Lighter Element Must Pop Out & Glow (Does not pop out of socket) .....	Pass	Fail
Accessory Power Outlet.....	Pass	Fail
Interior Courtesy lamps (Check door remotes & light switch lamp functions).....	Pass	Fail
Headlight Warning Chime .....	Pass	Fail
Spare Tire Illumination Light (1990, 1991, & 1992 Only).....	Pass	Fail
Coupe Removable Roof Panel Latches (Check lock & release functions) .....	Pass	Fail
Convertible Top Operation .....	Pass	Fail
Fuel Filler Door Catch (Spring-loaded hinge) & Gas Cap (Ratcheting mechanism) .....	Pass	Fail
Spare Tire Carrier .....	Pass	Fail
Jack & Lug Wrench Tool (s) .....	Pass	Fail
Locking Lug Nuts & Locking Lug Nut Key .....	Pass	Fail
Hood Release & Latching Functions (Must remain latched during test drive).....	Pass	Fail
Hood Hinges & Support.....	Pass	Fail
Underhood Lamps.....	Pass	Fail
Engine Block Heater.....	Pass	Fail

## COLD ENGINE START & IDLE

Pre-start Fluid Leaks .....	Pass	Fail
Automatic Transmission Starter Safety Switch .....	Pass	Fail
Manual Transmission Starter Interlock.....	Pass	Fail
Start (No excessive cranking or 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

**(STOP ENGINE)**

## DRIVING LAMPS & ACCESSORIES

**(ENGINE MAY BE RESTARED)**

Windshield Wipers (Speeds, mist, delay, wiper pattern & shut-off).....	Pass	Fail
Windshield Washers (check coordination with wipers, even spray, no wiper streaking & shut-off).....	Pass	Fail
Headlamp Doors .....	Pass	Fail
Low Beam Headlamps.....	Pass	Fail
High Beam Headlamps .....	Pass	Fail
Headlamp Bright Beam Indicator .....	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; non US delivered only, day time running lights).....	Pass	Fail
Cornering Lamps .....	Pass	Fail
Direction Signal Pilot Indicators (Must operate with hazard flasher).....	Pass	Fail
Emergency Hazard Flasher Switch & Lamps .....	Pass	Fail
Brake Lights.....	Pass	Fail

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## DRIVING LAMPS & ACCESSORIES (Continued)

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

### *Windows may need to be covered to Facilitate Interior Light Checks*

Instrument Panel Lighting.....	Pass	Fail
Driver Information Center .....	Pass	Fail
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
Stereo Tape Player (Cassette) .....	Pass	Fail
CD Player.....	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 (Airflow from off to floor to windshield defroster duct) .....	Pass	Fail
Air Conditioning System. ....	Pass	Fail
A/C Air Flow Duct Outlets Positioning (Center & outboard).....	Pass	Fail
Coupe & Convertible Hardtop, Rear Window Defogger (indicator light & element operation) .....	Pass	Fail
Low Tire Pressure Warning Indicator & Tire Pressure Gauge .....	Pass	Fail

## TEN-MILE ROAD TEST

Trip Odometer (Reset to "0000" & check operation/accuracy during test drive).....	Pass	Fail
Odometer (Check operation/accuracy during test from beginning & end).....	Pass	Fail
Acceleration (Check for engine misfire & stumble) .....	Pass	Fail
Deceleration (Check for backfire).....	Pass	Fail
Cruise Control.....	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 185-225) .....	Pass	Fail
Voltmeter .....	Pass	Fail
RESERVE Light off (Unless fuel supply less than 2 gallons).....	Pass	Fail
Fuel Gauge.....	Pass	Fail
Turbo Boost Gauge (B2K only).....	Pass	Fail
Direction Turn Signal Cancel (Left & right).....	Pass	Fail
Direction Signal 'Lane Change' Function (Left & right).....	Pass	Fail

## MANUAL TRANSMISSION

Excessive Noise (Including clutch throw-out bearing).....	Pass	Fail
Gear Engagement (No grinding).....	Pass	Fail
Upshift & Downshift Operation .....	Pass	Fail
Clutch Action (No slippage) .....	Pass	Fail
Clutch Pedal Adjustment (Check for freeplay).....	Pass	Fail
Clutch Spin Down Time (Disengage clutch, wait 5 seconds, shift to reverse; no grinding).....	Pass	Fail
Acceleration & Deceleration (No popping out of gear).....	Pass	Fail
Reverse Gear (Reverse lockout) .....	Pass	Fail

## AUTOMATIC TRANSMISSION

Shift Lever Detent Button.....	Pass	Fail
Gear Engagement.....	Pass	Fail

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## AUTOMATIC TRANSMISSION (Continued)

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 & ACCELERATION SLIP REGULAION (ASR)

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
ASR (Acceleration Slip Regulation) (Not applicable 1990 & 1991).....	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).....	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).....	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 steering wheel) .....	Pass	Fail
Check for "Dieseling" ( <i>Stop Engine</i> ).....	Pass	Fail
Check Headlamp Remind Buzzer (Ignition off, light switch 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 System Leaks (Underhood, underdash & wheel caliper).....	Pass	Fail
Check for Transmission Leaks.....	Pass	Fail
Check for Rear Axle Leaks (Pinion seal).....	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) \_\_\_\_\_