Welcome to the Nevada Department of Motor Vehicles (DMV)

DMV 1G Inspector Class

Housekeeping Items:
- Restrooms
- Smoking area
- Snack machine
- Classroom Etiquette

Emission 1G Inspector Class

Goals

Rules, Regulations, and Procedures
Why is this Program in Force?

- Clean Air Act
- Federal Highway Funds

CFR, CAA, NRS, NAC, SIP

What are These?

- http://leg.state.nv.us/law1.cfm

Classes and Ratings of Inspectors

- Class 1: Test Only
- Class 2: Test and Repair
- G Rating: Gasoline
Prerequisites:
1. Outside Training
2. Rules and Regulations Class
3. Written Exam
4. Practical Exam Checklist

• NAC 445B.485 Prerequisites to licensing
• NAC 445B.489 Grounds for denial, suspension or revocation

Steps Required to:
• Renew a 1G License
• NAC 445B.497 - Requirements for renewal of license
• Change a Place of Employment

Required Documentation & Fees
• NAC 445B.485 - Prerequisites to licensing
• NAC 445B.489 - Grounds for denial, suspension or revocation

What steps are required to become an Authorized Class 1G Inspector?
Authorized 1G Inspection Station Responsibilities

- NAC 4459.480 - Business Hours
- NAC 4459.479 - Display of Information
- NAC 4459.480 - License Requirements

Authorized Fleet Inspection Station Responsibilities

- NAC 4458.400 to NAC 4458.735 and NAC 4458.473 - Fleet Station Licensing, Powers and Duties

Inspector Responsibilities

- NAC 4459.478
- NAC 4459.469
- NAC 4459.501
- NAC 4459.580
- NAC 4458.4903
- NAC 4458.5905
Authorized Maintenance Services for 1G Stations

DMV Duties

Overt Audits – Gas
Field Remedial Training

Covert Audits
- NAC 445B.7015
- NAC 445B.7025
- NAC 445B.7035

Inspectors
- Penalties
- Administrative Fines
- NAC 445B.7045
Non-Covert Related Fines

Inspectors
- Administrative Fines
- NAC 445B.727

Station Owners
- Administrative Fines
- Civil Penalties
- NAC 445B.7045

Covert Fines and Penalties

Non Covert Related Fines

Fine Matrix

<table>
<thead>
<tr>
<th></th>
<th>Inspector</th>
<th>Station/Owner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Covert</td>
<td></td>
<td></td>
</tr>
<tr>
<td>First</td>
<td>$100 - $500</td>
<td>$100 - $500</td>
</tr>
<tr>
<td>Second</td>
<td>$500 - $1,000</td>
<td>$500 - $1,000</td>
</tr>
<tr>
<td>Third</td>
<td>$1,000 - $1,500</td>
<td>$1,000 - $1,500</td>
</tr>
<tr>
<td>Fourth</td>
<td>$1,500 - $2,500</td>
<td>$1,500 - $2,500</td>
</tr>
</tbody>
</table>

- Willful, intentional, or violations involving fraud, are subject to more immediate and serious consequences as allowed by law.
- When a C&D is issued in lieu of a fine, it still counts as a first violation.

Note: Non-covert violations, or violations involving fraud, are subject to more immediate and serious consequences as allowed by law.
Vehicles Requiring an Emission Test

- Change of Ownership
- Assembled Vehicles
- Gray Market Vehicles
- Engine Swaps

Vehicles Exempt From Emission Testing
Preparing to Conduct an Emission Test

Is an inspection necessary?

Why does the customer want a test?

- NAC 445B.580
- NAC 445B.5805
Vehicle Inspection Menu
Nevada NV2000 Analyzer

1. Emission Inspection
2. Reprint Vehicle Inspection Report
3. Training Mode
4. RPM Pickup Screen
5. Vehicle Registration
Return to Main Menu
Vehicle Inspection Menu
Nevada NV2000 Analyzer

attention:
Warning: Vehicle Has A Current Passing Test on File

Ok

Vehicle Inspection Menu
Nevada NV2000 Analyzer

W1503
Vehicle Details needed

Ok

Model Year  Vehicle Type  GVR
1995  NOT APPLICABLE  N/A

No. of Cylinders  Fuel Type  Ignition  Dual Exhaust
05  GASOLINE/ELECTRIC  YES  NO
06
07
08

Select Vehicle Fuel Type.
Looking at the dual exhaust diagram, we can see that if we have a misfire on cylinder #8, and are only sampling the left exhaust pipe, the vehicle would likely pass. Tested correctly (with both probes), it would likely fail.

Looking at the single exhaust diagram, with the same cylinder #8 misfire, where all the exhaust is forced to intermix in the catalyst or the muffler, the vehicle would likely fail.

It is the inspector’s responsibility to make a correct determination as to whether the vehicle is single or dual exhaust.

Please note that in at least one configuration #1 could be dual exhaust since the catalyst shell contains two separate Cats.

If in doubt, test the vehicle as dual exhaust.
Information Sources

Under Hood Emission Labels

Label Exercise

Click for the Link
Tailpipe Testing & Visual Inspections

Let's talk about Testing and Visual Inspections for TSI Vehicles.

Air Injection Systems

“Air Injection Required”
What does this really mean?
BEFORE BEGINNING THE EMISSIONS INSPECTION PORTION
OF THE TEST, BE AWARE OF THE FOLLOWING ITEMS:

The vehicle MUST be tested in the condition in which it was received.

Conduct the Test with ALL accessories turned OFF and with the wheels properly chocked.

Keep the engine running at NORMAL OPERATING TEMPERATURE (Use the temperature gauge reading OR a touch test on the radiator hose AND visual observation for overheating).

Continue
Problem Vehicles

Known Testability Issues

- http://www.bar.ca.gov
- https://www.obdclearinghouse.com/
- http://ncvecs.colostate.edu/ncvecs1.html
Visible Smoke

When to look...
How to look...

[Images of visible smoke]

[Images of smoke emissions from the rear of a vehicle]
Air Injection Systems

What to look for…
Tampering

“What is Tampering”
Does it have to be Intentional?

What to look for…

- NAC 449B.452

Information Sources

Application Guides & Repair Manuals

Application Exercise

Click here
EGR System

What to look for…
Vehicle Inspection Reports

VIR Validity...

Gas / Fuel Cap Failure

• NAC 445B.580
OBD Testing & Visual Inspections

Now… Let’s talk about Testing and Visual Inspections for OBD Vehicles.

1996 - Current Light Duty Gasoline Powered Vehicles

Diagnosis Link Connector Map
Be SURE that the Vehicle is in NEUTRAL or PARK with the IGNITION OFF, BRAKES APPLIED, and WHEELS CHOCKED.

CONTINUE
Malfunction Indicator Lamp Check

Turn the Ignition switch to the RUN POSITION with the ENGINE OFF.

Observe the Malfunction Indicator Light (MIL) as you turn the ignition switch to the run position with the engine off.

CONTINUE

This is the network diagram for the new IP-1 cheetah. As you can see there are more devices being added all the time.
69 Modules!!

Keyless Ignitions

http://www.obdclearinghouse.com/index.php?body=can

Did the Malfunction Indicator Light Illuminate?

YES  NO
Start the Vehicle!

While the engine is running, select the "Connect to Vehicle" button to establish communications with the vehicle.

Connect to Vehicle

Checking RPM: 9%

Key ON Engine RUNNING check. Verifying that Engine is Running prior to performing OBD Test.

RPM: 1081

Error Connecting to OBD

No signal from the Vehicle OBD II Connector. Recheck connections and press "Connect to Vehicle" or press "Unable to Connect" to proceed.

Connect to Vehicle

Unable to Connect
Visual Smoke

- Only During Idle
- Only at the Tailpipe

NAC 445B.5805

Schedule of Emission Test Fees

Inspection Fee

Enter the inspection fee $29.95. This will be added to the state administrative fee(s) and the total fee will be printed on the vehicle inspection report.
Failed Test!

How does that help the customer?

Waivers

- Printable Documents
- Who can issue?
- NAC 445B.590

Rejected VIR
Alternative Services for Registration Renewal
At Certain Emission Stations

At a Kiosk  By Mail  BY PHONE  

Online @dmv.nv.gov

DMV Emission Control Program Contacts

<table>
<thead>
<tr>
<th>CLARK COUNTY</th>
<th>WASHOE COUNTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emission Control Lab</td>
<td>Emission Control Lab</td>
</tr>
<tr>
<td>• 702-486-4981</td>
<td>• 775-684-3580</td>
</tr>
<tr>
<td>Supervising Emission Control Officer</td>
<td>Supervising Emission Control Officer</td>
</tr>
<tr>
<td>• Joel Tyning</td>
<td>• Mike Morris</td>
</tr>
<tr>
<td>Smog Spotter Hotline</td>
<td>Smog Spotter Hotline</td>
</tr>
<tr>
<td>• 702-642-7664 (SMOG)</td>
<td>• 775-686-7664 (SMOG)</td>
</tr>
</tbody>
</table>

You are the Frontline Representative of Nevada’s clean air program
TESTING....1,2,3

Lets get ready to take the Exam...

1. Don’t mark in test books
2. Read all instructions
3. Refer to your notes
4. Take your time
5. No cell phone use

Thank you!