



SMOG CHECK ADVISORY

February - May 2002

Mayor of Tijuana Visits Bureau of Automotive Repair

By: Lana K. Wilson-Combs and Patti Roberts, Communications And Education Division

The implementation of a new vehicle emissions inspection program in the City of Tijuana, Mexico has taken a big step forward. New Tijuana Mayor Jesus Gonzalez-Reyes and his delegation met with representatives from the

pollution doesn't respect the borders."

The City of Tijuana plans to have the program up and running for city-owned vehicles by the summer.

However, Mayor Gonzalez-Reyes

noted the process might take some time since the Smog Checks will find that many of the city's vehicles need repair.

"Once we resolve those issues, the Smog Check program will be extended to vehicles driven by the general public," said Gonzalez-Reyes. "We don't have a set time frame for that, but it could take anywhere from two

to three years. By teaming up with California, it enables us to put everything in place much quicker." California's role in assisting Tijuana is part of Gov. Gray Davis' efforts to work with Mexico to improve air quality. For the last year, the Davis Administration, including DCA/BAR, the California Environmental Protection Agency (Cal/EPA) and the Air Resources Board (ARB), has been working with the City of Tijuana and the State of Baja, California, Mexico to address the

Mayor (continued 2)



Photograph By: Loren Reed

Tijuana Mayor Jesus Gonzalez-Reyes talks with reporters and BAR representatives about implementing a Vehicle Emissions Inspection Program in his city.

Department of Consumer Affairs/ Bureau of Automotive Repair (DCA/ BAR) on February 11 at BAR's Sacramento headquarters to learn more about Smog Check equipment and testing methods.

"We're very grateful for the equipment and training to be donated by California," Mayor Gonzalez-Reyes told the media after viewing a special BAR demonstration of high-tech equipment used to check vehicles for emissions. "We're excited about making this a reality as soon as possible because air

BAR-97 Emissions Inspection System Updates

By: Patrick Dorais, Acting BAR Chief

It is important that enhanced area Smog Check stations clearly understand the updates that will soon be required on their BAR-97 Emissions Inspection Systems (EIS). Stations with complete BAR-97 EIS units (analyzer platform and dynamometer) in basic and change

Inspection (continued 2)

INSIDE...

Smog Check Changes In San Joaquin Valley	3
General Motors 4.2 Liter Engine For 2002 Has No Visible EGR Components	3
Bureau of Automotive Repair Unveils New Products	4
Bureau of Automotive Repair Cracks Down On Clean-Piping	4
New Areas Added To The Enhanced Smog Check Program	5
Enhanced Area Expansion	6
New Enhanced/Partially Enhanced Areas	7
Important Information For Performing OBD-II Functional Checks	12
DISCIPLINARY ACTIONS	13
SNAPSHOT	15
Consumer Assistance Program Undergoes Changes	16
Little Scoops	16

Mayor (continued)

conservation, management and the enhancement of natural and cultural resources, such as air quality, along the California/Mexico border.

BAR's Acting Chief, Patrick Dorais, says that the Cooperative Agreement enables BAR to donate to Tijuana inspection systems that measure tailpipe emissions and test evaporative systems. In addition, BAR will help train Tijuana municipal

technicians in emissions testing, and will help Tijuana develop a full-scale vehicle emissions inspection program.

"We've seen the benefits of the Smog Check Program in improving air quality in California," said Dorais. "It's an honor to work alongside Tijuana officials as they initiate their own vehicle emissions inspection program. We're looking forward to assisting their government in this effort." Dorais added that the test analyzer systems

being donated to Tijuana for this project will have the analyzer communications translated into Spanish.

"We applaud the Mayor in his work toward making our shared air cleaner and healthier for people on both sides of the border," said Dorais.

(Editor's Note): Some information used in this article is compiled from the San Diego Tribune and Los Angeles Times.

Inspection (continued)

of ownership areas are also affected.

Two analyzer updates are required. The Addendum 7 update allows stations to perform On-Board Diagnostics (OBD) tests on 1996 and newer vehicles, as required by federal regulation. The second update, Addendum 8, is very important to stations because it permits data collection from fuel evaporative and liquid leak testing and allows stations to conduct proposed loaded-mode tests of gasoline-powered heavy-duty vehicles. Addendum 8 also makes minor revisions to the inspection protocol to cause the loaded-mode test to run full length on both passing and failing vehicles. ESP, Snap-On Diagnostics, and Worldwide have informed the Bureau of Automotive Repair that the Addendum 8 update will be provided to Smog Check stations at no cost.

Addendum 7 Purchase Date – May 1, 2002

BAR has now approved the Addendum 7 updates for all BAR-97 EIS manufacturers. It is important that stations have the Addendum 7 update installed in their BAR-97 EIS units as soon as possible. Therefore, en-

hanced area stations must have at least purchased the Addendum 7 update by **May 1, 2002**. The Bureau of Automotive Repair's Quality Assurance inspectors will verify that stations have ordered the update by this date.

Mandatory Installation Date for Addendum 7 and 8 Updates – July 1, 2002

Enhanced area stations must have the Addendum 7 and 8 updates installed in their BAR-97 EIS units no later than **July 1, 2002**. Stations that fail to have both required updates installed by this date will be locked out and unable to perform Smog Check inspections. No new BAR-97 EIS units will be initialized after May 1, 2002, unless both Addendum 7 and 8 updates are installed. Full BAR-97 analyzers (with Dyno) that are not operating with the Addendum 7 and 8 software will be locked-out at 12:01 A.M. on July 1, 2002.

Stations Affected by Update Requirements

Stations located in enhanced areas and stations located in other areas with complete BAR-97 EIS units (analyzer platform and dynamometer) must comply with the update requirements. These update requirements also apply if your station is located in an area that has recently been designated

as an enhanced area, such as portions of the San Joaquin Valley. (See a related story on page 3 and a list of the affected ZIP codes on pages 8-12.)

Smog Check Station Owners

If you are considering the purchase of a new BAR-97 EIS, check with the BAR-97 EIS manufacturer to make sure the sales price includes both required updates.

Summary

Enhanced area stations and stations located in other areas with complete BAR-97 EIS units must have purchased the Addendum 7 update by May 1, 2002 and must have both the Addendum 7 and 8 updates installed by July 1, 2002. Stations that do not comply with these requirements will be locked out from performing Smog Check inspections at 12:01 A.M. on July 1, 2002.

Smog Check Changes In San Joaquin Valley

By: Greg Coburn, BAR Air Quality Engineer

Effective May 1, 2002, the Bureau of Automotive Repair will implement the enhanced Smog Check program in additional areas of the San Joaquin Valley Air Pollution Control District. The cities of Lodi, Manteca, Merced, Tracy, Turlock, and Visalia, and 70 additional ZIP codes (available on BAR's Web site www.smogcheck.ca.gov) will be included in the enhanced Smog Check program. Because the 70 additional ZIP code areas are not urbanized, the Test-Only component of the program will not be implemented in those areas. The affected counties for the newly enhanced program are San Joaquin, Fresno, Kern, Stanislaus, Merced, Madera, Kings and Tulare. The San Joaquin Valley Air Pollution Control District's Board passed a resolution on April 19, 2001 requesting this action pursuant to Health and Safety

Code Section 44003 (c).

To maintain an active role in the Smog Check program, Smog Check stations in the affected parts of these counties must have operational BAR-97 analyzers and dynamometers by May 1, 2002. The Bureau recommends that stations ensure that the BAR-97 analyzer(s) they are buying has current BAR certification, including the OBD-II software/hardware update (Addendum 7) and the fuel evaporation/liquid leak update (Addendum 8). You may obtain information about the status of an equipment manufacturer's BAR-97 EIS certification by going to BAR's Web site at www.smogcheck.ca.gov.

Select "Technicians and Stations," then select "Repair Dealers and Stations."

If you have a Basic Smog Check Technician license and are em-

ployed in one of the affected parts of the above-mentioned counties, you need to obtain an Enhanced Emissions Specialist Smog Check Technician license (EA). To change from a Basic (EB) to an Enhanced (EA) license, you must submit a completed application for an advanced license, and meet the requirements listed on it. These requirements include an ASE L1 certification (or equivalent training course), and passing of a BAR administered Enhanced exam. You can get an application from the Smog Check Web site or by calling (800) 952-5210.

BAR recommends that Basic Area Smog Check Technicians get an ASE L1 certification as soon as possible, since A6, A8, and L1 certifications are now required for both Basic and Enhanced Area licenses.

General Motors' 4.2 Liter Engine For 2002 Has No Visible EGR Components

General Motors introduced the new 4.2 liter inline six cylinder engine in the 2002 model-year Chevrolet Trailblazer, GMC Envoy, and Oldsmobile Bravada Sport Utility Vehicles.

2002 MODEL-YEAR VEHICLES

Chevrolet	TRAILBLAZER 2WD
Chevrolet	TRAILBLAZER 4WD
Chevrolet	TRAILBLAZER EXT 2WD
Chevrolet	TRAILBLAZER EXT 4WD
GMC	ENVOY 2WD
GMC	ENVOY 4WD
GMC	ENVOY XL 2WD
GMC	ENVOY XL 4WD
Oldsmobile	BRAVADA 2WD
Oldsmobile	BRAVADA AWD

Although there are no visible exterior components, the Vehicle Emission Control Information label lists "EGR" as one of the emission control systems. This has caused difficulty during Smog Checks, since there are no visible components.

BAR discussed this matter with General Motors Engineering, and the California Air Resources Board. We learned that the 2003 GM vehicles with the 4.2 liter engine will **not** list "EGR" on the label.

When inspecting a 2002 model GM SUV with the 4.2 liter inline engine, enter "N/A" for the EGR system during the visual and functional inspections. This procedure applies to only the 2002 model-year vehicles listed below.

BAR will ask publishers of emission control reference manuals to include the above information in their next editions.

Bureau of Automotive Repair Unveils New Products

By: Wayne Brumett, BAR Standards & Training Unit

New Law Book

The long-awaited updated rules and regulations booklet is now available, along with a CD-ROM disk (CD) containing all the material in the booklet. The CD will allow the user to find a law or regulation just by entering a key word or phrase. A complimentary copy of the booklet and the disk is being sent to all registered auto repair facilities. To get additional copies, send an order form to BAR's Mailroom at 10240 Systems Parkway, Sacramento, CA 95827. Order forms are available from BAR's Web site at, www.smogcheck.ca.gov and is located under "Forms."

Say Good-bye To Renewal Exams

For Smog Check technicians

whose licenses will expire after December 31, 2002, renewal will be as simple as completing an update training course (assuming the technician has currently valid ASE professional certifications). BAR is developing a new Update Training program titled "Smog Check Program Update 2003." This course will deal with common misconceptions and new procedures (e.g., OBD-II inspections) regarding the Smog Check program. The course length will be 16 hours or less, and will feature an open book examination (4 hours maximum).

Anyone who studies the textbooks prior to the exam, could be finished with the test in less than an hour. There will be no "Challenge Exam" for this update course. The 2003 Smog Check Program

Update course should be available at BAR certified schools in early September 2002.

New Enhanced Scan Tool List

To assist Smog Check stations, BAR has posted an updated list of enhanced scan tools on its Web site: www.smogcheck.ca.gov. To access the list, type the words "scan tool" in the "search" area. The list identifies enhanced scan tools that have been brought to BAR's attention by various manufacturers as meeting BAR's scan tool equipment regulation. To aid stations and technicians, BAR has added the convenience of a "hot link" for each manufacturer that will take you directly to their home Web sites.

Bureau of Automotive Repair Cracks Down on Clean-Piping

By: Alan Coppage, Quality Assurance Manager, BAR I/M Field Operations

The Bureau of Automotive Repair has news for stations and technicians that clean-pipe cars: Play by the rules or lose your license. Licensees that do not, could face criminal charges.

"Clean-piping" is the fraudulent act of substituting the passing emissions of one vehicle for the emissions of another vehicle that may otherwise fail a Smog Check test.

William Cox, of Bill's Automotive in Sanger, had his station and technician licenses revoked last August after being investigated by BAR's Fresno field office for "clean-piping" and for testing and certifying vehicles he wasn't

authorized to test.

These vehicles should have received an Acceleration Simulation Mode (ASM), or loaded-mode, inspection through the BAR-97 analyzer. But the automotive facility used their BAR-90 analyzer by illegally disconnecting its communications with the Vehicle Information Database (VID).

This deprived the BAR-90 unit from retrieving necessary data to determine the appropriate test type (loaded-mode), and thus allowed Bill's Automotive to test and certify enhanced area cars without using a dynamometer to perform the required loaded-mode test. In addition to carbon monoxide and

hydrocarbons, the enhanced BAR-97 ASM test measures oxides of nitrogen (NOx) levels, which the basic area, two-speed idle test does not.

BAR continuously analyzes VID data, and investigates any inconsistencies or skewed data to ensure that Smog Check stations and technicians don't engage in this type of illegal activity.

NEW AREAS ADDED TO THE ENHANCED SMOG CHECK PROGRAM

Why Are New Areas Entering the Enhanced, Smog Check Program?

State law and federal regulations require California to establish the Enhanced Smog Check program in urbanized areas that have poor air quality such that the United States Environmental Protection Agency (USEPA) has classified their air as "serious," "severe," or "extreme" for federal health-based standards for ozone pollution. The federal Clean Air Act requires the State of California and local air districts to develop and adopt attainment plans, which demonstrate how the region will attain these health-based standards. If commitments are not achieved, federal sanctions against the State can be imposed.

As provided for in state law, several local Air Quality Management and Air Pollution Control Districts have also requested that the Bureau of Automotive Repair (BAR) implement an Enhanced Smog Check program in specified areas that were previously classified as Basic Smog Check program areas.

California's Smog Check program is a clean air strategy contained in each district's attainment demonstration plan, which has led to the various requests to expand the Enhanced Smog Check program into additional areas of the state.

What are the Differences between Basic, Enhanced, and Partially Enhanced Smog Check Areas?

In Basic Smog Check areas, stations inspect vehicles using a BAR-90 analyzer to perform a two-speed idle test, which measures both hydrocarbons (HC), and

carbon monoxide (CO), but does not measure the amount of nitrogen oxides (NO_x), a critical chemical in the formation of smog and secondary aerosols (a fine particulate matter).

In Enhanced Smog Check areas, stations inspect vehicles using a BAR-97 Emissions Inspection System (EIS), with a dynamometer that performs a loaded-mode test. This test procedure, also known as Acceleration Simulation Mode (ASM), measures HC, CO, and NO_x. In addition, a percentage of vehicles that require biennial Smog Check inspections are directed to test-only stations for inspection. In new, partially Enhanced Smog Check areas, inspections are performed using the BAR-97 EIS with a dynamometer, but vehicles are not directed to test-only stations for biennial inspections.

Other program elements remain the same regardless of Basic Smog Check or Enhanced Smog Check areas. For instance, the repair cost minimum is \$450 in both areas, and visual and functional checks are required, as are gas cap pressure checks. Also, vehicles with excessive emissions are still labeled as gross polluters.

How Are Smog Check Technicians Affected?

Technicians must have an EA license (with ASM endorsement) before conducting Enhanced Smog Check inspections. EA technicians without the ASM endorsement can obtain it by completing an 8-hour course called the "BAR-97 Transition Course."

To obtain an EA license, a basic (EB) area technician must meet the following requirements:

1. Complete BAR's Advanced Clean Air Car Course. This course, which is a minimum of 28 hours, combines the previous Advanced Emission Diagnostics and BAR-97 Transition Class update courses.
2. Complete BAR's Advanced Engine Performance/Emissions Systems Course, or show proof of certification by the National Institute for Automotive Service Excellence in the Advanced Engine Performance (L1) category. In addition, the technician must have completed a BAR certified electrical/electronics course, and a BAR certified engine performance systems course, or be currently A6 (electrical) and A8 (engine performance) certified when applying for the advanced license.
3. Complete the On-Board Diagnostics II update course.
4. Complete the application for an EA license and submit a \$20 application fee to BAR.
5. Submit the \$65 examination fee and pass BAR's EA technician licensing examination.

To find BAR certified instructional facilities that offer these courses in your area or to obtain a license application, log on to BAR's Web site at www.smogcheck.ca.gov, or call our Consumer Information Center at (800) 952-5210.

At the time of printing of this article, most EB technicians in the New Enhanced Areas had already achieved these minimum requirements.

What kind of Emission Analyzer Does My Station Need and How Much Will It Cost?

Certified BAR-97 EIS equipment is required in all Enhanced or

New Areas Added (continued 6)

New Areas Added (continued)

Partially Enhanced Smog Check areas. This equipment consists of the following items: (1) a BAR-97 EIS analyzer that measures HC, CO, and NO_x; (2) a dynamometer, and (3) the operating software (including Addendums 7 and 8) that controls the operation of the test. Smog Check stations must use certified inspection equipment, and depending on the options chosen, the price for a complete EIS ranges between \$30,000 and \$40,000. These prices do not include the cost for special permits or station upgrades, such as improving the electrical service, placing the dynamometer in the floor, and/or adding ventilation capacity.

What Should Stations Consider When Shopping for a BAR-97 EIS?

1. Does the unit have current BAR certification for use in Enhanced Areas? Does the price include OBD II test equipment and the latest software (Addendums 7 and 8)?
2. Will this analyzer accommodate hardware upgrades such as added computer memory, a faster processor, or more

- storage capacity without much difficulty?
3. Does the sale price include the installation of any currently required software (Addendums 7 and 8) and hardware updates? If not, how much will those updates cost and will the manufacturer guarantee the availability of the update(s)?
 4. Does the sale price include installation? Does the analyzer system require any special city or county permits and/or station modifications such as improved electrical wiring, in-floor dynamometer installation, or added ventilation?
 5. Is there a money-back guarantee on this analyzer if it does not perform according to specification? What exactly does the warranty cover, and for how long? Are there any circumstances that would void the warranty?
 6. Does the manufacturer provide loaner analyzers (if mine is inoperative for an extended length of time)?
 7. What is the financial status of the manufacturer? How long has the manufacturer been in business? Have they committed to long-term support of your station and its analyzer? Will they be in business in the next year, or in the next 3 or 5 years?

8. How much does a service contract cost and what does it cover? If I call for service, what is the maximum time I will have to wait? How many service personnel are dedicated to my area? Are parts available locally or regionally? Is service provided on week-ends?
9. Approximately how much money per year will I have to pay for consumable goods like calibration gases, filters, and so on? Are those items covered in the service contract?
10. Does the manufacturer have a list of customers that could be contacted and asked how they like this particular analyzer?

BAR strongly recommends that you get the answers to these questions in writing. Do not rely or depend on verbal answers to these questions when making such an important decision. Stations should keep checking BAR's web site, www.smogcheck.ca.gov, for the latest equipment and program information.

Enhanced Area Expansion

Air District	Number of Vehicles (May 2002, DMV)		Number of Stations (3/6/2002)			Number of Technicians* (3/7/2002)		Start Date
	Enhancement (With Test-Only)	Partial Enhancement (Without Test-Only)	Total In New Area	With BAR-97 Analyzers	With Only BAR-97 Analyzers & Dynos	With EA Licenses	With EB Licenses	
San Joaquin Valley	274,432	448,071	332	36	75	344	320	5/1/02
Ventura County	0	30,811	11	0	3	14	3	7/1/02
Sacramento Metro	0	28,595	3	0	1	11	1	7/1/02
South Coast	47,704	198,230	85	5	30	189	28	11/1/02
Yolo/Solano	33,581	28,393	27	0	5	28	23	4/1/03
Total	355,717	734,100	458	41	98	586	375	-----

*Numbers Provided by BAR's Standards and Training Unit

New Enhanced/Partially Enhanced Areas

Field Name / Description

APCD = Air Pollution Control District:

SJ = San Joaquin Valley

SC = South Coast

VC = Ventura County

SM = Sacramento Metro

YS = Yolo Solano

ZIP Code = 5 Digit ZIP code that will be affected

County 1 = Primary County was determined from what the US Postal Service lists as the county in its monthly database

County 2 = Secondary County was determined from map images, and might not be accurate

County 3 = Tertiary county was also determined from map images, and might not be accurate

City = The city name from the US Postal Service monthly database

Area Type = The Smog Check program area type:

E = Enhanced

P = Partially Enhanced

APCD	ZIP Code	County 1	County 2	County 3	City	Area Type
SJ	93235	Tulare			Ivanhoe	E
SJ	93277	Tulare			Visalia	E
SJ	93278	Tulare			Visalia	E
SJ	93279	Tulare			Visalia	E
SJ	93291	Tulare			Visalia	E
SJ	93292	Tulare			Visalia	E
SJ	93670	Tulare			Yetttem	E
SJ	95240	San Joaquin			Lodi	E
SJ	95241	San Joaquin			Lodi	E
SJ	95242	San Joaquin			Lodi	E
SJ	95253	San Joaquin			Victor	E
SJ	95258	San Joaquin			Woodbridge	E
SJ	95304	San Joaquin			Tracy, Banta	E
SJ	95316	Stanislaus	Merced		Denair	E
SJ	95336	San Joaquin			Manteca	E
SJ	95337	San Joaquin			Manteca	E
SJ	95340	Merced			Merced	E
SJ	95341	Merced			Merced	E
SJ	95344	Merced			Merced	E
SJ	95348	Merced			Merced	E
SJ	95376	San Joaquin			Tracy	E
SJ	95377	San Joaquin			Tracy	E
SJ	95378	San Joaquin			Tracy	E
SJ	95380	Stanislaus	Merced		Turlock	E
SJ	95381	Stanislaus			Turlock	E

New Enhanced/Partially Enhanced Areas (continued 8)

New Enhanced/Partially Enhanced Areas (continued)

APCD	ZIP Code	County 1	County 2	County 3	City	Area Type
SJ	95382	Stanislaus			Turlock	E
SJ	93202	Kings			Armona	P
SJ	93203	Kern			Arvin, DiGiorgio	P
SJ	93215	Kern	Tulare		Delano	P
SJ	93216	Kern			Delano	P
SJ	93221	Tulare			Exeter	P
SJ	93223	Tulare			Farmersville	P
SJ	93230	Kings			Hanford	P
SJ	93232	Kings			Hanford	P
SJ	93242	Fresno			Laton	P
SJ	93245	Kings			Lemoore	P
SJ	93246	Kings			Lemoore	P
SJ	93247	Tulare			Lindsay	P
SJ	93250	Kern			McFarland	P
SJ	93257	Tulare			Porterville	P
SJ	93258	Tulare			Porterville	P
SJ	93267	Tulare			Strathmore	P
SJ	93268	Kern			Taft	P
SJ	93274	Tulare			Tulare	P
SJ	93275	Tulare			Tulare	P
SJ	93280	Kern			Wasco, Pond	P
SJ	93282	Tulare			Waukena, Corcoran	P
SJ	93286	Tulare			Woodlake	P
SJ	93609	Fresno			Caruthers	P
SJ	93610	Madera	Merced		Chowchilla	P
SJ	93615	Tulare			Cutler	P
SJ	93616	Fresno			Dey Rey	P
SJ	93618	Tulare	Fresno		Dinuba	P
SJ	93625	Fresno			Fowler	P
SJ	93630	Fresno			Kerman	P
SJ	93631	Fresno	Tulare	Kings	Kingsburg	P
SJ	93637	Madera			Madera	P
SJ	93638	Madera			Madera	P
SJ	93639	Madera			Madera	P
SJ	93647	Tulare	Fresno		Orosi	P
SJ	93648	Fresno			Parlier	P
SJ	93649	Fresno			Piedra	P
SJ	93652	Fresno			Raisin	P
SJ	93654	Fresno	Tulare		Reedley	P

APCD	ZIP Code	County 1	County 2	County 3	City	Area Type
SJ	93657	Fresno			Sanger	P
SJ	93662	Fresno			Selma	P
SJ	93666	Tulare			Sultana	P
SJ	93673	Tulare			Traver	P
SJ	95220	San Joaquin			Acampo	P
SJ	95227	San Joaquin			Clements	P
SJ	95301	Merced			Atwater	P
SJ	95303	Merced			Ballico	P
SJ	95312	Merced			Cressey	P
SJ	95313	Stanislaus			Crows Landing	P
SJ	95315	Merced			Delhi	P
SJ	95317	Merced			El Nido	P
SJ	95320	San Joaquin			Escalon	P
SJ	95324	Merced			Hilmar	P
SJ	95326	Stanislaus			Hughson	P
SJ	95330	San Joaquin			Lathrop	P
SJ	95331	San Joaquin			Lathrop	P
SJ	95333	Merced			Le Grand	P
SJ	95334	Merced			Livingston	P
SJ	95361	Stanislaus	San Joaquin		Oakdale, Knights Ferry, Valley Home	P
SJ	95363	Stanislaus			Patterson	P
SJ	95366	San Joaquin			Ripon	P
SJ	95367	Stanislaus			Riverbank	P
SJ	95374	Merced			Stevinson	P
SJ	95384	Stanislaus			Valley Home	P
SJ	95385	San Joaquin			Vernalis, Tracy	P
SJ	95386	Stanislaus			Waterford	P
SJ	95387	Stanislaus			Westley	P
SJ	95388	Merced			Winton	P
SJ	95390	Stanislaus			Riverbank	P
SJ	95686	San Joaquin			Thornton	P
SJ	95690	San Joaquin			Walnut Grove	P
SC	92530	RIVERSIDE			Lake Elsinore	P
SC	92531	RIVERSIDE			Lake Elsinore	P
SC	92532	RIVERSIDE			Lake Elsinore	P
SC	92548	RIVERSIDE			Homeland	P
SC	92562	RIVERSIDE			Murrieta	P
SC	92563	RIVERSIDE			Murrieta	P
SC	92564	RIVERSIDE			Murrieta	P

New Enhanced/Partially Enhanced Areas (continued 10)

New Enhanced/Partially Enhanced Areas (continued)

APCD	ZIP Code	County 1	County 2	County 3	City	Area Type
SC	92570	RIVERSIDE			Perris	P
SC	92571	RIVERSIDE			Perris	P
SC	92572	RIVERSIDE			Perris	P
SC	92584	RIVERSIDE			Menifee	P
SC	92585	RIVERSIDE			Sun City	P
SC	92586	RIVERSIDE			Sun City	P
SC	92587	RIVERSIDE			Sun City	P
SC	92595	RIVERSIDE			Wildomar	P
SC	92596	RIVERSIDE			Winchester	P
SC	92599	RIVERSIDE			Perris	P
SC	92220	RIVERSIDE			Banning	P
SC	92223	RIVERSIDE			Beaumont	P
SC	92230	RIVERSIDE			Cabazon	P
SC	92305	SAN BERNARDINO			Angelus Oaks	P
SC	92339	SAN BERNARDINO			Forest Falls	P
SC	92382	SAN BERNARDINO			Running Springs	P
SC	92536	RIVERSIDE			Aguanga	P
SC	92539	RIVERSIDE			Anza	P
SC	92549	RIVERSIDE			Idyllwild	P
SC	92561	RIVERSIDE			Mountain Center	P
SC	92240	RIVERSIDE			Desert Hot Springs	P
SC	92241	RIVERSIDE			Desert Hot Springs	P
SC	92254	RIVERSIDE			Mecca	P
SC	92258	RIVERSIDE			North Palm Springs	P
SC	92276	RIVERSIDE			Thousand Palms	P
SC	92358	SAN BERNARDINO			Lytle Creek	P
SC	92589	RIVERSIDE			Temecula	E
SC	92590	RIVERSIDE			Temecula	E
SC	92591	RIVERSIDE			Temecula	E
SC	92592	RIVERSIDE			Temecula	E
SC	92593	RIVERSIDE			Temecula	E
VC	93015	Ventura			Fillmore	P
VC	93016	Ventura			Fillmore	P
VC	93022	Ventura			Oakview	P
VC	93023	Ventura			Ojai	P
VC	93024	Ventura			Ojai	P
VC	93040	Ventura			Piru	P
SM	94561	Sacramento			Oakley	P
SM	94571	Sacramento			Rio Vista	P

APCD	ZIP Code	County 1	County 2	County 3	City	Area Type
SM	95615	Sacramento			Courtland	P
SM	95632	Sacramento			Galt	P
SM	95638	Sacramento			Herald	P
SM	95641	Sacramento			Isleton	P
SM	95680	Sacramento			Ryde	P
SM	95683	Sacramento			Sloughhouse, Rancho Murieta	P
SM	95690	Sacramento			Walnut Grove	P
SM	95693	Sacramento			Wilton	P
YS	95606	Yolo			Brooks	P
YS	95607	Yolo			Capay / Esparto	P
YS	95612	Yolo			Clarksburg	P
YS	95620	Yolo			Dixon / Liberty Farms	P
YS	95627	Yolo			Esparto	P
YS	95637	Yolo			Guinda	P
YS	95645	Yolo			Knights Landing	P
YS	95653	Yolo			Madison (P.O. Box Only)	P
YS	95679	Yolo			Rumsey	P
YS	95694	Yolo			Winters	P
YS	95695	Yolo			Woodland	E
YS	95697	Yolo			Yolo (P.O. Box Only)	E
YS	95698	Yolo			Zamora (P.O. Box Only)	P
YS	95776	Yolo			Woodland	E
YS	95937	Yolo			Dunnigan (P.O. Box Only)	P
YS	95620	Solano			Dixon / Liberty Farms	P
YS	95690	Solano			Walnut Grove	P
YS	95694	Solano			Winters	P



Important Information For Performing OBD-II Functional Checks

By: Mark Duewel, BAR Engineering Unit

Federal regulations require the Smog Check program to include On-Board Diagnostics (OBD-II) functional testing in enhanced areas. An official notice was sent on December 21, 2001 that discussed your responsibilities as a licensed Smog Check Technician.

You may be aware that sometimes OBD-II equipped analyzers have difficulty establishing a connection to the vehicle's computer through the Data Link Connector (DLC). Here is how you should approach the problem:

1. All 1996 and newer light-duty vehicles (less than 8501 pounds GVWR) equipped with OBD-II are to receive an OBD functional test as part of the BAR-97 inspection. Refer to the underhood label. Do not answer "No" to the BAR-97 prompt:

"IS THIS VEHICLE SUPPOSED TO GET AN OBD-II FUNCTIONAL TEST?"

Unless the vehicle is OBD-I or it is a vehicle identified by BAR as incompatible with the OBD functional inspection. Currently, no vehicles have been identified by BAR as being incompatible.

2. Follow the analyzer prompts carefully. You must also follow the procedures in Part III, page 90(a) and 90(b) of the Smog Check Inspection Manual. Make several diligent attempts to establish a connection with the vehicle's computer.

ESP EIS Units

In addition to the above requirements, in some cases it may be

necessary to:

- ❖ turn the key off;
- ❖ unplug the OBD connector from the vehicle;
- ❖ leave disconnected for at least 10 seconds;
- ❖ reconnect to the DLC; and
- ❖ restart the vehicle.

Snap-On and John Bean EIS Units

In addition to the above requirements, in some cases Snap-On suggests the following:

- ❖ turn the key off;
- ❖ unplug the OBD connector from the vehicle;
- ❖ leave disconnected for at least 10 seconds;
- ❖ reconnect to the DLC;
- ❖ restart the vehicle; and
- ❖ wait at least 10 seconds before re-attempting the OBD inspection.

SPX EIS Units

In addition to the above requirements, in some cases SPX suggests the following:

[Ensure the EIS's OBD lead is fully inserted into the vehicle's connector. When prompted to "start the engine and allow it to idle", please allow the engine to idle for at least 10 seconds prior to proceeding from this screen.]

Worldwide Environmental Products EIS Units

In addition to the above requirements, in some cases Worldwide (WEP) suggests the following: [After three failed attempts to connect to the vehicle, press the OBD-II reset button at the back of the analyzer (note: the OBD-II

reset button is located directly above the OBD-II port). Then retry a connection attempt.

3. After five or more failed attempts, you may abort the inspection.
4. If the analyzer still has problems with testing vehicles that should be testable, call your BAR-97 manufacturer or service representative. Let them know that you are experiencing OBD connection problems with Addendum 7 software. They should offer a solution or repair.
5. If your BAR-97 manufacturer does not offer a solution, call the ET Help Desk at (866) 860-8509 for further instructions.

BAR has compiled a list of vehicles that may cause problems when making the OBD connection or performing the OBD functional check. Go to the "Vehicles with OBD-II Testability Issues" document on the Smog Check Web site by typing the following into your browser:

www.smogcheck.ca.gov/ftp/pdfdocs/OBDproblems.pdf

Periodically review this document to verify that a special OBD connection procedure or OBD-related recall is not required on any vehicles that you inspect.

DISCIPLINARY ACTIONS

SOUTHERN CALIFORNIA

ALLIANCE SERVICE CENTER – Hesperia

Mohammad Riaz, Owner
Order: ARD registration and Smog Check Station license are revoked, stayed and placed on (3) three years' probation. Smog Check station license is suspended for (15) fifteen days. Report to BAR. Pay BAR \$2,500.00.
(1-10-02)

AUTO CLINIC - Fullerton
Hovic Perian, Owner/Technician
Order: Smog Check station license is revoked, stayed and placed on (3) three years probation, Smog Check Station license is suspended for (30) thirty days. Report to BAR. Attend and successfully complete a Bureau certified course in diagnosis and repair of emission systems. ARD registration is revoked, stayed and placed on probation for (3) three years. Report to BAR, Enhanced Area Technician license is revoked, stayed and placed on probation for (3) three years. Enhanced Area Technician license is suspended for (30) thirty days. Report to BAR. Attend and successfully complete Bureau certified course in diagnosis and repair of emission systems.
(1-02-02)

AUTO DOCTOR INTERNATIONAL INC. – El Cajon

Laura Y. Delauxaltala, aka Laura Delaux-Altala, Owner
Order: ARD registration and Smog Check Station license are revoked.
(1-3-02)

STEVEN DALE LEACH – Victorville Technician

Order: Basic Area Technician license is revoked. (1-3-02)

AAA AUTOMOTIVE – Perris

James Eckert, Owner/Technician
Order: ARD registration, Smog Check Station license and Advanced Emission Specialist Technician license are revoked.
(1-3-02)

THE AUTO MASTER – Lompoc Daniel Joseph Harmon, Partner/ Technician

Cheryl Ann Harmon, Partner
Order: ARD registration, Smog Check Station license and Basic Area Technician license are revoked.
(12-6-01)

SMOG PROS – North Hollywood
Badri A. Boureslan, Owner
Order: ARD registration is revoked, stayed, placed on (3) three years' probation. Smog Check Station license is revoked, stayed and placed on (3) three years' probation, said license is suspended for (10) ten days. Gold Shield Guarantee Service Certification is terminated. Pay BAR \$3,461.28. Report to BAR.

LOUAY NASRALLAH – Burbank
Technician
Order: Advanced Emission Specialist Technician license is revoked, stayed and placed on probation for (3) three years, said license is suspended for (10) ten days.
(12-4-01)

STEVENS SHELL SERVICE – Santa Monica

Steven K. Kim, Owner/Technician
Order: ARD registration, Smog Check Station license and Enhanced Area Technician license are revoked.
(12-7-01)

MASTER AUTO REPAIR – Hawthorne

Mark Kim, Owner/Technician
Order: ARD registration, Smog Check Station license and Advanced Emission Specialist Technician license are revoked.
(12-7-01)

JOE DANIEL BENFER – River-

side

Technician

Order: Advanced Emission Specialist Technician license is revoked.
(12-7-01)

ST AUTO – Los Angeles

Manuel De Jesus Pena, Owner
Order: ARD registration and Smog Check Station license are revoked.
(12-7-01)

VALLEymasters AUTOMOTIVE – Van Nuys

Andre Abraamyan, Owner/Technician

Order: ARD registration, Smog Check Station license and Advanced Emission Specialist Technician license are revoked.
(12-7-01)

HARV'S CAR WASH & CAR CARE CENTER – Palm Desert

Chae Moon Shim, OWNER
Order: ARD registration and Smog Check Station license are revoked, stayed and each placed on probation for (3) three years. This (3) three year probation shall be in addition to the probation period that was ordered on October 4, 1996 in Case No. 79/96-75. Smog Check Station shall be suspended for (30) thirty days. Report to BAR. Pay BAR \$2,297.47

RICHARD LEWIS ORTIZ – Indio Technician

Order: Advanced Emission Specialist Technician license is revoked, stayed and placed on probation for (2) two years. Report to BAR. Shall attend and complete a (16) sixteen-hour Bureau certified training course in diagnosis and repair of emission systems.
(12-11-01)

NORTHERN CALIFORNIA

ALFA RADIATOR – Morgan Hill
Mahmoud Abdulkhalik, aka Mike Abdulkhalik, Owner
Order: Smog Check Station

license is revoked, stayed for a period of four years, said license shall be suspended for a period of (120) one hundred and twenty days. Report to BAR. Pay BAR \$8,710.93. ARD registration is invalidated. Invalidation stayed for a period of probation of four years. Report to BAR.

(1-3-02)

FREEMPORT AUTOMOTIVE – Sacramento

Jose Luiz Orozco, President
Order: Smog Check station is revoked. ARD registration is revoked. Stayed with three (3) years' probation. Brake and Lamp station licenses are revoked. Stayed with three (3) years' probation. Report to BAR. Pay BAR \$8,865.33.

BRUCE E. ROBINSON- North Highlands
Technician

Order: Advanced Emission Specialist Technician license is revoked.

(1-23-02)

SAV MOR RADIATOR & AUTO REPAIR – West Sacramento

Fred Ernest Taylor, Owner
Order: ARD registration is revoked. Smog Check Station license shall be surrendered. Pay BAR \$4,000.00.

(1-31-01)

SUNRISE SEVEN – San Jose
Khanh D. Ha, Owner

Order: ARD registration and Smog Check Station license are revoked, stayed and placed on (3) three years' probation. Smog Check Station license is suspended for (10) ten days. Pay BAR \$6,201.24. Report to BAR.

Thanh Trung Nguyen – San Jose
Technician

Order: Enhanced Area Technician license is revoked, stayed and placed on (3) three years' probation. Report to BAR. Attend and successfully complete a (16) sixteen-hour Citation Training

Course.

(1-8-02)

SUNNYVALE BP 76 – Sunnyvale
Ed Bozorhadad, Owner

Order: ARD registration and Smog Check Station license are revoked, stayed and placed on (3) three years' probation. Report to BAR. Pay BAR \$1,572.97.

STEVEN LAWRENCE BEEBY – Sunnyvale
Technician

Order: Advanced Emission Specialist Technician license is revoked, stayed with (3) three years' probation and suspended for (3) three days. Report to BAR

PETER LUU aka NHU LUU – San Jose
Technician

Order: Basic Area Technician license is revoked, stayed with (3) three years probation and suspended for (10) ten days. Report to BAR.

(1-8-02)

TROY ALLAN DRIES

– Sacramento
Technician

Order: Advanced Emission Specialist Technician license is revoked. Pay BAR \$3,919.00.

FRED G. COOK – Marysville
Technician

Order: Advanced Emission Specialist Technician license is revoked.

(1-10-02)

CAMPBELL UNION 76 – Campbell

Ed Bozorhadad, President
Order: ARD registration and Smog Check Station license are suspended for (10) ten days. Suspensions stayed and placed on probation for (3) three years. Report to BAR. Pay BAR \$909.40.

(1-3-02)

WESTMOOR SHELL – Sunnyvale
George Papoulias, Owner

Order: ARD registration and Smog Check Station license are

revoked, stayed and placed on probation for (3) three years. Smog Check Station license is suspended for (15) fifteen days. Report to BAR. Pay BAR \$3,613.63.

(1-10-02)

JEFFREY LYNN WILLIAMS – Sunnyvale
Technician

Order: Basic Area Technician license is revoked.

(1-17-02)

DOUBLE N SMOG & AUTO REPAIR – Milpitas

Charen C. Neiman, Partner
Edward Neiman,
Partner/Technician

Order: ARD registration and Smog Check Station license are revoked. Basic Area Technician license is revoked. Pay BAR \$7,378.14.

(12-27-01)

GILBERT NAVARRETTE, JR. – Union City
Technician

Order: Basic Area Technician is revoked. (12-27-01)

TRANY BRAKE & TUNE – West Sacramento

Gene Donald Fairl, Partner,
Karen Kay Fairl, Partner,
Order: ARD registration and Smog Check Station license are revoked, stayed and placed on (3) three years' probation. Report to BAR. Smog Check Station license is suspended for (30) thirty days. (12-11-01)

WILLIAM G. BERKEFELD - Concord
Technician

Order: Basic Area Technician license is revoked. Revoke any other license issued to William G. Berkefeld.

(12-7-01)

STORY COAST GAS & SERVICE

– San Jose

Thanh P. Nguyen, Owner

Order: ARD registration is revoked, stayed and placed on (2)

two years' probation. Report to BAR. Pay BAR \$2,500.00. Smog Check Station license is revoked, stayed and placed on probation for (3) three years. Report to BAR. (12-6-01)

HUYNH VAN TRAN – San Jose Technician

Order: Basic Area Technician license is revoked, stayed and placed on (3) three years probation. Report to BAR. Take and pass the Basic Clean Air Car course.

(12-6-01)

MINH NGUYEN – Milpitas Technician

Order: Basic Area Technician license is revoked, stayed and placed on (3) three years' probation. Report to BAR. Take and pass the Clean Air Car course.

(12-6-01)

THE AUTO SHOP – Redding

Michael M. Edwards, Partner
Richard Lee McDonald, Partner

Order: Smog Check Station license is revoked.

Michael M. Edwards, Technician
Order: Basic Area Technician license is revoked.

Richard Lee McDonald, Technician
Order: Advanced Emission Specialist Technician license and Basic Area Technician license is revoked.

(12-27-01)

GOLDEN GATE SMOG – Stockton

Gustavo G. Garcia, Owner/
Technician

Order: ARD registration, Smog Check Station and Advanced Emission Specialist Technician licenses are revoked, stayed, placed on (3) three years' probation and suspended for (15) fifteen days. Report to BAR. Pay BAR \$4,500.00.

(12-27-01)

SNAPSHOT

	Jan-02	Feb-02
Program Volume		
TESTS CONDUCTED	1,120,387	1,023,339
VEHICLES TESTED	952,041	866,471
- Enhanced	612,402	560,084
- Basic/COO	330,529	305,406
VEHICLES FAILED	117,144 (12.31%)	108,422 (12.52%)
- Enhanced	89,717 (14.65%)	82,886 (14.80%)
- Basic/COO	27,200 (8.04%)	25,404 (8.32)
CERTIFICATES ISSUED	922,255	840,109
Type of Failure		
TAILPIPE	83,212 (8.81%)	83,929 (9.77%)
- Enhanced	66,99 (11.02%)	61,803 (11.11%)
- Basic/COO	16,230 (4.83%)	15,370 (5.07%)
GROSS POLLUTERS	33,470 (3.55%)	31,096 (3.62%)
- Enhanced	25,603 (4.21%)	23,567 (4.24%)
- Basic/COO	7,858 (2.34%)	7,483 (2.47%)
VISUAL	22,326 (2.35%)	20,867 (2.42%)
- Enhanced	17,919 (2.93%)	6,709 (2.99%)
- Basic/COO	4,407 (1.31%)	4,158 (1.37%)
FUNCTIONAL	61,266 (6.45%)	56,784 (6.56%)
- Enhanced	46,709 (7.63%)	43,260 (7.73%)
- Basic/COO	14,557 (4.30%)	13,524 (4.43%)
Failure by Station Type		
TEST AND REPAIR	45,611 (9.38%)	41,606 (9.52%)
- Enhanced	28,866 (10.45%)	26,315 (10.54%)
- Basic/COO	16,745 (7.96%)	15,291 (8.16%)
GSGR	17,151 (10.26%)	15,651 (10.51%)
- Enhanced	11,073 (11.0%)	9,857 (11.12%)
- Basic/COO	6,078 (9.14%)	5,794 (9.62%)
GPC	7,208 (8.79%)	6,680 (8.76%)
- Enhanced	3,852 (13.63%)	3,424 (13.02%)
- Basic/COO	3,356 (6.81%)	3,256 (6.51%)
TEST-ONLY	46,248 (22.16%)	43,665 (22.14%)
- Enhanced	45,421 (22.36%)	42,808 (22.34%)
- Basic/COO	827 (14.89%)	857 (15.27%)
By Vehicle Type		
- HEP	30,848 (29.05%)	29,162 (28.47%)
- Random	2,537 (25.34%)	2,573 (26.83%)
- Volunteers	12,863 (13.91%)	11,930 (14.00%)
Vehicle Repair Data		
Vehicles Repaired	59,624	53,963
- Enhanced	34,440	30,440
- Basic/COO	22,958	21,457
Avg. Repair Cost (State)	\$133	\$133
- Test & Repair	\$109	\$124
- GSGR	\$122	\$121
- GPC	\$190	\$187
Consumer Assistance Program		
- Income Eligible (\$20 co-pay)	\$328	\$342
- Test-Only Directed Vehicles (\$100 co-pay)	\$312	\$318



State of California

Gray Davis, Governor

California Department of Consumer Affairs

Kathleen Hamilton, Director

Bureau of Automotive Repair

Patrick Dorais, Acting Chief

10240 Systems Parkway

Sacramento, CA 95827

BAR FIELD OFFICE PHONE NUMBERS

Bakersfield	(661) 833-6304
Canoga Park	(818) 596-4400
Culver City	(310) 410-0024
Fresno	(559) 445-5015
Oceanside	(760) 439-0942
Placentia	(714) 961-7940
Richmond	(510) 243-9410
Riverside	(909) 782-4250
Sacramento	(916) 255-4200
San Jose	(408) 277-1860
South El Monte	(626) 575-6934

OTHER HELPFUL NUMBERS

DCA Consumer Information Center	(800) 952-5210
BAR Licensing	(916) 255-3145
ET Help Desk (Licensees Only)	(866) 860-8509
MCI	(800) 731-SMOG
<i>(Then press 5 for technical support)</i>	
Referee Scheduling Center	(800) 622-7733
Parts Locator	(800) 826-3566
Auto Body Inspection Pilot	(866) 881-1332

Consumer Assistance Program Undergoes Changes

By: Michael Lafferty, Program Manager, Consumer Assistance Program

On January 1, 2002, the California Department of Consumer Affairs (DCA), Bureau of Automotive Repair (BAR) suspended the Vehicle Retirement option of the Consumer Assistance Program (CAP) because funds for this program are currently unavailable.

Vehicles owned by applicants who were previously approved will be retired. Applications that were not processed are being returned.

The Repair Assistance option of CAP is still up and running. We encourage eligible consumers to apply to this program.

Consumers requesting an application should be referred to the DCA toll-free hotline at 1-800-952-5210.

Little Scoops

The registration deadline for Spring 2002 ASE certifications was March 29. The results will likely be mailed in early July.

If your license expires before September 1, 2002, and you have ASE certification(s) that expire in July, you may not receive your ASE results in time to file the applications timely. You should consider completing the applicable courses at a BAR-certified school instead. A list of certified schools is available on the Smog Check Web site at www.smogcheck.ca.gov, or by calling 1-800-952-5210.

