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# OBD DATA CHECK

DEPARTMENT OF CONSUMER AFFAIRS



Bureau of Automotive Repair

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DEPUTY CHIEF/ EXECUTIVE OFFICE

BAR ADVISORY GROUP MEETING

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# CERTIFICATE BLOCKING BACKGROUND

- OBD Inspection System (OIS) and the potential for fraud
  - Surrogate Vehicles
  - Simulators
- Maturation of capabilities and tools

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# CERTIFICATE BLOCKING AUTHORITY

- Assembly Bill 2289 (2010) amended the Health and Safety Code
  - Section 44015(a)(2) prohibits a licensed Smog Check station from issuing a certificate of compliance to a vehicle identified pursuant to 44036(b)(3)(K)

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# CERTIFICATE BLOCKING AUTHORITY (CONTINUED)

- Section 44036(b)(3)(K) authorizes BAR to develop a real-time computer data program that prevents a certificate of compliance from being issued if a vehicle is identified as having an excessive variance from computer data for that vehicle, mismatched information, or other irregularities.
- Section 44015(a)(2) authorizes a vehicle identified pursuant to 44036(b)(3)(K) to be inspected by a Referee

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# CERTIFICATE BLOCKING AUTHORITY (CONTINUED 2)

- Title 16, California Code of Regulations:
  - Section 3340.42.2(c)(7) was adopted on July 1, 2013 to fail a vehicle when OBD system data is unexpected for the vehicle.

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# CERTIFICATE BLOCKING GOALS

- Prevent and discourage fraud
- Influence behavior
  - Consumers
  - Stations/Technicians
- Increase organizational efficiency
  - Reduce dependency on ISOs

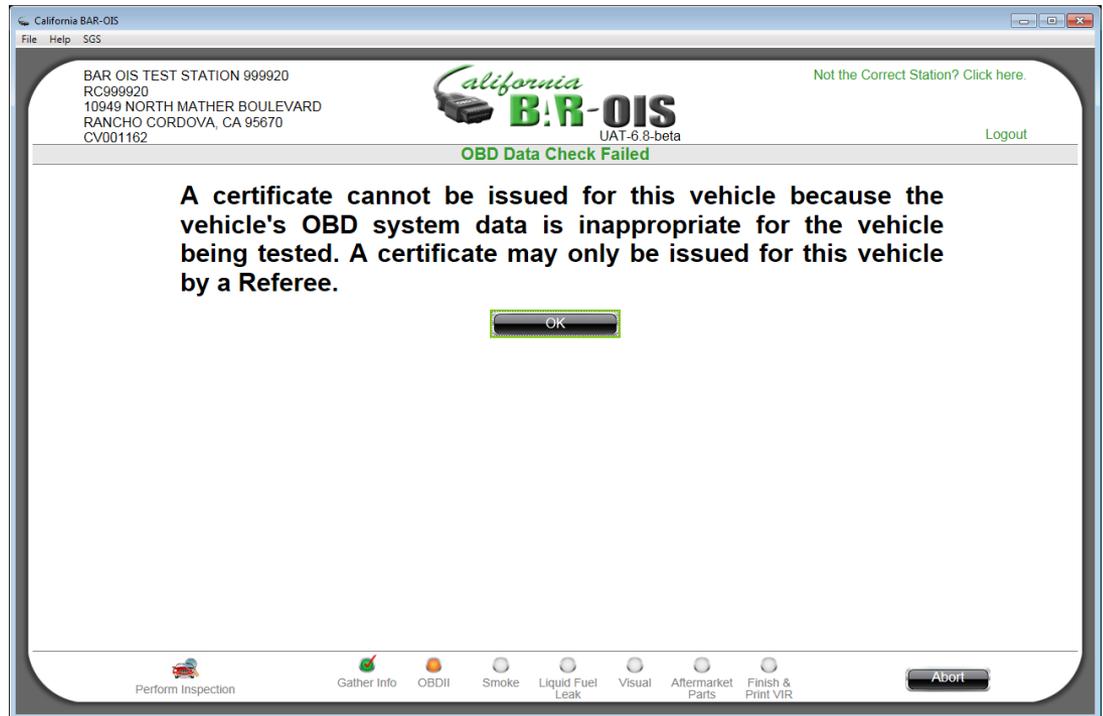
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# CERTIFICATE BLOCKING PROCESS

- Fraudulent activity is recognized
- Station is “flagged”
- OBD data collection
- OBD data check
- Certificate block
- Referee direction

# “OBD DATA CHECK FAILED” SCREEN

- This BAR-OIS screen displays if a vehicle returns unexpected OBD data.
- The screen appears at the end of the test.



# VEHICLE INSPECTION REPORT

## Smog Check Vehicle Inspection Report (VIR)

### Vehicle Information

Test Date/Time: 09/26/2017 @ 2:46 PM

Model Year:	2001	Vehicle Make:	FORD	Vehicle Model:	F150 SVT LIGHTNING
VIN (scanned from vehicle):	2FTZF07391CA55529				
VIN (manually entered or from DMV document):	2FTZF07391CA55529				
License Plate:	BASMSTR	License State:	CA	Fuel Type:	Gasoline
Certification Type:	California	Odometer:	121212	GVWR:	6,000 and less

### **Overall Test Result DATA CHECK FAIL**

Your vehicle failed the Smog Check inspection. Check your Owner's Manual to determine if the emission failure is repairable under the vehicle manufacturer warranty. Vehicles purchased new in California have an emission performance warranty for a minimum of 3 years or 50,000 miles that guarantees your vehicle passes the inspection. An emission parts warranty of 7 years or 70,000 miles covers certain high cost parts listed in the Owner's Manual. If your vehicle is a Partial Zero Emissions Vehicle (PZEV), the emission warranty extends to 15 years or 150,000 miles. The warranty for PZEV hybrid battery systems is 10 years or 150,000 miles. These warranties require the vehicle has not failed due to lack of scheduled maintenance, and other conditions specified in the vehicle's Owner's Manual. Warranty information by vehicle manufacturer is provided by the Bureau of Automotive Repair at [www.bar.ca.gov](http://www.bar.ca.gov).

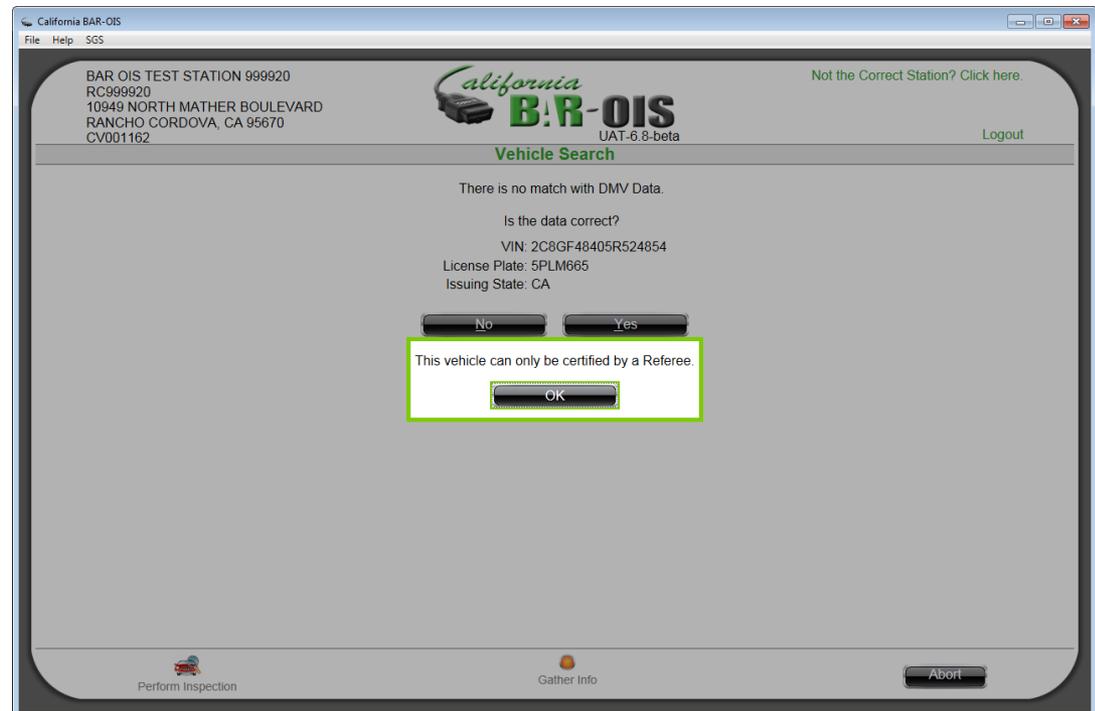
BAR's Consumer Assistance Program (CAP) offers financial assistance with emission repairs and a monetary incentive to retire a vehicle from operation. If a warranty service or coverage problem arises, you may file a complaint with BAR. To learn more about CAP or to file a complaint, visit [www.bar.ca.gov](http://www.bar.ca.gov).

Visual Inspection: PASS Functional Inspection: DATA CHECK FAIL

**A certificate cannot be issued for this vehicle because the vehicle's OBD system data is inappropriate for the vehicle being tested. A certificate may only be issued for this vehicle by a Referee. A Referee inspection appointment may be scheduled by calling (800) 622-7733.**

# TRYING TO TEST A REFEREE DIRECTED VEHICLE

- This screen will display on the BAR-OIS if a non-Referee inspector attempts to inspect a Referee directed vehicle.
- “OK” returns the inspector to the main menu.



# VEHICLE TEST HISTORY

## Vehicle Information

STAR Certification Required	Referee Certification Required	Program Area
NO	YES	Enhanced

Due to irregularities and/or discrepancies identified either during the last Smog Check inspection or during an off-cycle vehicle audit, this vehicle requires a Smog Check inspection performed at a Smog Check Referee station. Once the Referee issues a Smog Check Certificate of Compliance to this vehicle, it may again be certified by other stations during the next inspection cycle.

[Click here for more information about the Referee.](#)

Number of Tests Found = 11

## Test Records

Make	Model	Year	Date / Time	Pass / Fail	Certificate	Referee Inspection
GMC	SAFARI XT	2000	02/09/2017 03:02 p.m.	D		NO
GMC	SAFARI	2000	02/16/2016 12:57 p.m.	P	YX752164C	NO
GMC	SAFARI 2WD CARGO	2000	01/21/2014 10:42 a.m.	P	PC614531C	NO
GMC	SAFARI 2WD CARGO	2000	01/15/2013 01:44 p.m.	P	OS587273C	NO
GMC	SAFARI 2WD CARGO	2000	01/10/2011 12:48 p.m.	P	WR413909C	NO
GMC	SAFARI 2WD CARGO	2000	12/16/2009 02:07 p.m.	P	WF515287C	NO
GMC	SAFARI 2WD CARGO	2000	12/17/2008 05:12 p.m.	P	NE986697C	NO
GMC	SAFARI 2WD CARGO	2000	12/17/2007 03:47 p.m.	P	MW607973C	NO
GMC	SAFARI 2WD CARGO	2000	11/10/2006 02:15 p.m.	P	MM726313C	NO
GMC	SAFARI 2WD CARGO	2000	05/26/2006 12:02 p.m.	P	GE271713C	NO
GMC	SAFARI 2WD CARGO	2000	12/17/2003 04:17 p.m.	P	FG004084C	NO

Pass/Fail Code Definitions: P=Pass, F=Fail, A=Aborted, R=Not Ready,  
 D = Data Check Fail. The vehicle's OBD system data is inappropriate for the vehicle being tested,  
 T=Failed test with Emission Device found to be Tampered.  
 \*A "Blank" column can also indicate an aborted test.

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# CERTIFICATE BLOCKING IMPACTS

- Directs flagged vehicles to get a Referee inspection
- Clean plug activity is immediately blocked
- Inspections without a data mismatch are allowed
- Impacts the ability to issue fraudulent certificates pending a formal administrative action

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# CERTIFICATE BLOCKING RESULTS

- February – December 2017:
  - 359 stations had certificates blocked
  - Approximately 2,300 vehicles directed to the Referee
- February 2017:
  - 123 stations
- November 2017:
  - 7 stations

# CERTIFICATE BLOCKING RESULTS FEBRUARY 2017 – DECEMBER 2017

<b>Referee Directed Vehicles</b>				COUNT	PERCENT
Total Directed Vehicles				2,592	100%
Inspected by the Referee				1,392	54%
No Referee Inspection				1,200	46%
<b>Referee Test Results</b>				COUNT	PERCENT
Total Inspected				1,392	100%
Pass				863	62%
Fail				529	38%
<b>Failure Types</b>				COUNT	PERCENT
Total Failures				529	100%
Fail (MIL on, DTCs, Fuel Leak, Defects)				180	34%
Not Ready (OBD-II Monitors Not Run to Completion)				116	22%
Tampered (Emission Controls Missing, Modified, or Disconnecte				233	44%

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# WHAT'S NEXT

- Drafting new DAD Specification
- New certificate blocking strategies
- Upcoming changes to STAR regulations

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# DISCIPLINE OF LICENSEES

- In concert with certificate blocking, BAR pursues administrative action against the registration and license of the offending Station and the license(s) of the Technician.
- In order to address the high volume of offenders, BAR established a specialized enforcement team to complete the investigative work.
- The enforcement team works collaboratively with BAR's Engineering Division to identify and document the illegal activity.

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# DISCIPLINE THE LICENSEES

- Between May and December 2017, 340 “clean plugging” cases were submitted to the Attorney General’s Office
- This is a 409% increase compared to the same period in 2016
- The enforcement team was responsible for over 200 of these clean plugging case referrals

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# QUESTIONS AND COMMENTS

Submit questions and/or comments to:

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