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# Air Resources Board

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Gray Davis  
Governor

May 18, 2000

Mail-Out # MSO 2000-04

TO: ALL MANUFACTURERS OF PASSENGER CARS  
ALL MANUFACTURERS OF LIGHT-DUTY TRUCKS  
ALL MANUFACTURERS OF MEDIUM-DUTY VEHICLES  
ALL OTHER INTERESTED PARTIES

SUBJECT: LOW-EMISSION VEHICLES PERMITTED TO ACCESS HIGH-  
OCCUPANCY VEHICLE (HOV) LANES UNDER ASSEMBLY BILL 71  
(AB 71)

AB 71 was signed by the Governor on September 7, 1999, and became effective on January 1, 2000. The affected statutes are sections 40000.13, 5205.5, and 21655.9 of the Vehicle Code. The new law requires the Department of Transportation, which has the authority to permit the preferential use of highway lanes for HOVs, to extend the use of those lanes or ramps to vehicles meeting very stringent exhaust and evaporative emission standards. The purpose of this bill is to encourage early deployment of cleaner vehicles by allowing these vehicles to access HOV lanes.

The purpose of this Mail-Out is to (1) identify existing low-emission vehicles that meet AB 71 criteria, and (2) request vehicle manufacturer assistance in identifying future low-emission vehicles that meet AB 71 criteria.

Pursuant to AB 71, vehicles meeting the following emission standards are allowed to use HOV lanes during the periods of time indicated:

- (1) California's ultra-low-emission vehicle (ULEV) exhaust emission standards and the federal inherently low-emission vehicle (ILEV) evaporative emission standard from July 1, 2000, through December 31, 2003, and
- (2) California's super-ultra-low-emission vehicle (SULEV) exhaust emission standards and the federal ILEV evaporative emission standard from January 1, 2004, through December 31, 2007.

Although AB71 only specifies that vehicles meeting ULEV exhaust and ILEV evaporative standards are allowed to access HOV lanes from July 1, 2000, through December 31, 2003, ARB believes the bill intends that vehicles meeting more stringent SULEV or zero-emission vehicle (ZEV) plus federal ILEV requirements should also be

allowed to use HOV lanes during this period of time since early introduction of these cleaner vehicles are encouraged. Similarly, between January 1, 2004, and December 31, 2007, ZEVs should be allowed to access HOV lanes in addition to SULEV- and ILEV-certified vehicles.

For the purpose of implementing AB 71, the bill requires the Department of Motor Vehicles (DMV) to issue distinctive decals or labels to qualified vehicles to clearly distinguish them from other vehicles. In addition, the Department of the California Highway Patrol (CHP) is required to specify the placement and design of the decals or labels for CHP identification and enforcement. The Air Resources Board's (ARB's) role in implementing this bill is to provide assistance and guidelines to DMV and affected vehicle manufacturers in identifying existing and future AB 71-qualified vehicle models.

The following summarizes ARB's findings and methodology for providing its guidance.

I. Determination of AB 71-Qualified Vehicles

Presently, only dedicated compressed natural gas (CNG), liquefied petroleum gas (LPG) and electric vehicles (EVs) are certified to meet the federal ILEV evaporative requirements. Therefore, only dedicated CNG and LPG vehicles certified to ARB's ULEV or SULEV exhaust standards, and EVs meet AB 71 applicability requirements.

II. Identification of Existing AB 71-Qualified Vehicles

Very few certified vehicle models at this time meet the AB 71 criteria. ARB has informed DMV how to identify these existing AB 71-qualified vehicles (Attachment) by model year, distinctive vehicle make/model identifiers, and fuel usage.

III. Identification of Future AB 71-Qualified Vehicles

It is ARB's understanding that DMV will provide a check box in its vehicle registration form to be filled out by new vehicle dealers to identify whether the vehicle sold is AB 71 compliant. To assist dealers in properly identifying AB 71-qualified vehicles, ARB suggests that affected vehicle manufacturers provide a notice with the vehicles regarding their AB 71 qualification. Vehicle manufacturers may accomplish this by providing proper identification on the "Mulrone" window sticker or related vehicle documents, an additional "HOV-qualified" tag included in each such vehicle, or other methods.

To further ensure that AB 71-qualified vehicles are properly identified, ARB requests affected vehicle manufacturers to clearly indicate AB 71 qualification status in their applications for certification. ARB in turn will post this information along with the background of AB 71 on ARB's web site to inform new vehicle buyers and DMV once the certification process for these affected vehicles is completed.

If you have any questions or comments regarding this Mail-Out, please call Mr. Duc Nguyen, Manager, Certification Section, or Mr. Shewen Chen, Staff Engineer, at (626) 575-6661, or by e-mail at [schen@arb.ca.gov](mailto:schen@arb.ca.gov).

Sincerely,

/s/

R. B. Summerfield, Chief  
Mobile Source Operations Division

Attachment

## ATTACHMENT

### Existing AB71-Qualified Vehicles (as of May 2000)

The following table lists all existing AB71-qualified vehicles by vehicle manufacturer or make, model year, model & exhaust emission standard, fuel usage and engine size.

<u>Mfr/Make</u>	<u>Model Year</u>	<u>Model (Exh. Std)</u>	<u>Fuel Type</u>	<u>Eng Size (L)</u>
ADVANCED ELECTRIC CAR TECHNOLOGY INC.	93	Electric Hyundai Sonata (ZEV)	Electricity	n/a
	93	Electric Hyundai Excel (ZEV)	Electricity	n/a
	93	Electric Hyundai Scoupe (ZEV)	Electricity	n/a
BAYTECH	00	GMC W3500, P30 (ULEV)	CNG	5.7
	00	ISUZU NPR, NQR (ULEV)	CNG	5.7
DAIMLERCHRYSLER				
	93	Dodge Caravan (ZEV)	Electricity	n/a
	94	Dodge Caravan (ZEV)	Electricity	n/a
	94	Dodge Caravan (ULEV)	CNG	3.3
	94	Plymouth Voyager (ULEV)	CNG	3.3
	95	Dodge Caravan (ULEV)	CNG	3.3
	95	Plymouth Voyager (ULEV)	CNG	3.3
	96	Dodge Grand Caravan (ULEV)	CNG	3.3
	96	Plymouth Grand Voyager (ULEV)	CNG	3.3
	96	Dodge Ram 3500 Van (ULEV)	CNG	5.2
	96	Dodge Ram 3500 Wagon (ULEV)	CNG	5.2
	96	Dodge Ram 2500 Pickup (ULEV)	CNG	5.2
	96	Dodge Ram 2500 Van (ULEV)	CNG	5.2
	96	Dodge Ram 2500 Wagon (ULEV)	CNG	5.2
	96	Dodge Ram 1500 Pickup (ULEV)	CNG	5.2
	96	Dodge Dakota Pickup (ULEV)	CNG	5.2
	97	Dodge Caravan (ZEV)	Electricity	n/a
	97	Plymouth Voyager Epic (ZEV)	Electricity	n/a
	99	Dodge Caravan (ZEV)	Electricity	n/a
	99	Plymouth Voyager Epic (ZEV)	Electricity	n/a
	99	Dodge Ram Van 2500 (SULEV)	CNG	5.2
	99	Dodge Ram Wagon 2500 (SULEV)	CNG	5.2
	99	Dodge Ram Van 3500 (SULEV)	CNG	5.2
	99	Dodge Ram Wagon 3500 (SULEV)	CNG	5.2
	00	Dodge Ram Van 2500 (SULEV)	CNG	5.2
	00	Dodge Ram Wagon 2500 (SULEV)	CNG	5.2
	00	Dodge Ram Van (SULEV)	CNG	5.2
	00	Dodge Ram Wagon 3500 (SULEV)	CNG	5.2

<u>Mfr/Make</u>	<u>Model Year</u>	<u>Model (Exh. Std)</u>	<u>Fuel Type</u>	<u>Eng Size (L)</u>
DRIVE ELECTRIC	93	Calectric Geo Prism (ZEV)	Electricity	n/a
FORD	93	Ecostar (ZEV)	Electricity	n/a
	96	Crown Victoria (ULEV)	CNG	4.6
	97	Crown Victoria (ULEV)	CNG	4.6
	97	F-250 Pickup (SULEV)	CNG	5.4
	97	E-250 Van (SULEV)	CNG	5.4
	97	E-350 Van (SULEV)	CNG	5.4
	98	Crown Victoria (ULEV)	CNG	4.6
	98	Electric Ranger (ZEV)	Electricity	n/a
	98	F-250 Pickup (SULEV)	CNG	5.4
	98	E-250 Van (SULEV)	CNG	5.4
	98	E-350 Van (SULEV)	CNG	5.4
	99	Crown Victoria (ULEV)	CNG	4.6
	99	Electric Ranger (ZEV)	Electricity	n/a
	99	F-250 Pickup (SULEV)	CNG	5.4
	99	E-250 Van (SULEV)	CNG	5.4
	99	E-350 Van (SULEV)	CNG	5.4
	00	Crown Victoria (LEV II SULEV)	CNG	4.6
	00	Electric Ranger (ZEV)	Electricity	n/a
	00	F-150 Pickup (SULEV)	CNG	5.4
	00	E-250 Van (SULEV)	CNG	5.4
	00	E-350 Van (SULEV)	CNG	5.4
GM	97	EV1 Coupe (ZEV)	Electricity	n/a
	97	S10 Electric Pickup (ZEV)	Electricity	n/a
	98	S10 Electric Pickup (ZEV)	Electricity	n/a
	99	EV1 Coupe (ZEV)	Electricity	n/a
	99	S10 Electric Pickup (ZEV)	Electricity	n/a
HONDA	97	EV Plus (ZEV)	Electricity	n/a
	98	EV Plus (ZEV)	Electricity	n/a
	98	Civic GX (ULEV)	CNG	1.6
	99	EV Plus (ZEV)	Electricity	n/a
	99	Civic GX (ULEV)	CNG	1.6
	00	Civic GX (SULEV)	CNG	1.6
HYUNDAI	98	Accent EV (ZEV)	Electricity	n/a
NISSAN	00	Altra EV (ZEV)	Electricity	n/a
	00	Hypermini (ZEV)	Electricity	n/a
RENAISSANCE CARS, INC	95	Tropica (ZEV)	Electricity	n/a

<u>Mfr/Make</u>	<u>Model Year</u>	<u>Model (Exh. Std)</u>	<u>Fuel Type</u>	<u>Eng Size (L)</u>
SOLAR ELECTRIC	92	Electron Escort (ZEV)	Electricity	n/a
	92	Electron S-10 (ZEV)	Electricity	n/a
	92	Electron Saturn (ZEV)	Electricity	n/a
	93	Electron Escort (ZEV)	Electricity	n/a
	93	Electron S-10 (ZEV)	Electricity	n/a
	93	Electron Saturn (ZEV)	Electricity	n/a
	93	Electron Consulier (ZEV)	Electricity	n/a
	93	Electron Toyota Paseo (ZEV)	Electricity	n/a
	93	Electron Plymouth Voyager (ZEV)	Electricity	n/a
	94	Electron Geo Metro (ZEV)	Electricity	n/a
	94	Electron Escort (ZEV)	Electricity	n/a
	94	Electron S-10 (ZEV)	Electricity	n/a
	94	Electron Consulier (ZEV)	Electricity	n/a
	94	Electron Ranger (ZEV)	Electricity	n/a
	94	Electron Paseo (ZEV)	Electricity	n/a
	94	Electron Prism (ZEV)	Electricity	n/a
SOLECTRIA	91	Force (ZEV)	Electricity	n/a
	92	Force (ZEV)	Electricity	n/a
	93	Force (ZEV)	Electricity	n/a
	97	Force (ZEV)	Electricity	n/a
	98	Force (ZEV)	Electricity	n/a
	99	Force (ZEV)	Electricity	n/a
	99	Citivan (ZEV)	Electricity	n/a
TDM, INC.	96	EV Ford Ranger (ZEV)	Electricity	n/a
TOYOTA	98	RAV4 EV (ZEV)	Electricity	n/a
	99	RAV4 EV (ZEV)	Electricity	n/a
	99	Camry CNG (ULEV)	CNG	2.2
	00	Camry CNG (ULEV)	CNG	2.2
	00	RAV4 EV (ZEV)	Electricity	n/a