

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-342-0002-B
Relating to Certification of New Motor Vehicles

WESTERN GOLF CAR MANUFACTURING, INC.

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following new pure electric motor vehicles are certified as described below:

Model Year: 2002

Vehicle Type: Passenger Car

Emission Standard Category: Zero-Emission Vehicle (ZEV)

Fuel Type: Battery-Stored Electricity

Engine Family: 2WGMV0100LST

Battery Type: Lead Acid

Vehicle Model: Lido Runabout, Lido 2Pgs-Coup, Lido Limo, Lido Woody,
Lido Deluxe

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicles per Title 13, California Code of Regulations, Sections 1962 (b)(1)(c) and (b)(3) (Small Volume Manufacturers and Implementation Prior to 2003 Model Year).

BE IT FURTHER RESOLVED: That because the listed vehicle models are powered by battery-stored electricity and have no on-board systems which consume any fuel other than electricity, the vehicles produce zero exhaust or evaporative emissions of any criteria pollutant (or precursor pollutant) and therefore qualify as ZEVs according to Title 13, California Code of Regulations, Section 1962 (a); the listed vehicle models also meet the definition of "low-emission motor vehicle" set forth in Health and Safety Code Sections 39037.05 and 43800.

WESTERN GOLF CAR
MANUFACTURING, INC.

EXECUTIVE ORDER A-342-0002-B
(Page 2 of 2)

BE IT FURTHER RESOLVED: That the listed vehicle models qualify for and shall be granted 0.068 grams non-methane organic gases (NMOG) per mile ZEV credits without a ZEV multiplier applicable to extended electric range vehicles pursuant to Title 13, California Code of Regulations, Section 1962 (d).

BE IT FURTHER RESOLVED: That the listed vehicle models shall not be equipped with any fuel-fired auxiliary power sources or heaters.

BE IT FURTHER RESOLVED: That the listed vehicle models shall comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models shall be clearly labeled as "low-emission motor vehicles" pursuant to the requirements of Health and Safety Code Section 43802(a).

BE IT FURTHER RESOLVED: That because the vehicles certified by this Executive Order have no parts that affect emissions for which there is an applicable emission requirement, the manufacturer is not required to provide an emission control system warranty pursuant to Health and Safety Code Section 43205 or Title 13, California Code of Regulations, Sections 2035 et seq.

Quarterly production reports shall be submitted to the Executive Officer no later than 45 days after the end of each quarter.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order.

Executed at El Monte, California this 25TH day of March 2002.



Allen Lyons, Chief
New Vehicle/Engine Programs Branch

2002 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
 ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: WESTERN GOLF CAR Engine Family: ELECTRIC 2WGMVD100LST
 Veh Class(es): PC LDT1 ___ LDT2 ___ MDV1 ___ MDV2 ___ MDV3 ___ MDV4 ___ MDV5 ___
 No. of ZEV Credits per vehicle: 1
 Fuel Type: Electro chemical Battery Fuel Cell ___ Capacitor ___ Other(specify) ___
 Battery Type(s): Lead Acid Nickel Cadmium ___ SBLA ___ Sodium Sulfur ___
 Sodium Nickel Chloride ___ Nickel Metal Hydride ___ Lithium Metal Disulfide ___
 Zinc Air ___ Zinc Bromine ___ Lithium polymer ___ Other(specify): ___
 Total Battery Weight: 523 Total Battery Volume: 4ft³ Battery specific energy: 37.5 W/KG
 No. of batteries or modules per vehicle: 8 Total Battery Voltage: 48
 Charger(s): on-board ___ off-board conductive ___ inductive ___
 Drive Motors(s): AC Induction ___ DC Brush ___ DC Brushless ___
 Switched Reluctance Other(specify): ___
 No. of Drive Motors 1 Rated motor power 7 @ 3000rpm Max rpm: 5000
 Drive: FWD ___ RWD 4WD-FT ___ 4WD-PT ___
 Regenerative Braking: No ___ Yes FW ___ RW ___ AW ___
 Driver Controlled Regen Braking: Yes No ___ Coast Regen Braking: Yes ___ No ___
 Air Conditioning: Yes ___ No
 Fuel Fired Heater: Fuel Type: Gas ___ Diesel ___ CNG ___ LNG ___
 LPG ___ Other(specify): ELECTRIC Rated Heat Power: 1 kW

Vehicle Models (If coded see attachment)	Trans. type M5, A4 (if applicable)	GVWR	Curb Weight	ETW or Test Weight	DPA or RLHP
---	--	------	-------------	--------------------------	-------------------

SEE ATTACHMENT

Date Issued:

Revisions:

ED # A-342-2-B Pg. 2

ZEV Application for CertificationModel LIDO Deluxe, Model Year 2002

Manufacture: Western Golf Car Manufacturing, Inc.

Engine Type: Electric 1WGMV0100LST

Vehicle Class: PC/NEV

Credits per vehicle: 1

Fuel Type: Battery, Lead Acid

Total battery weight: 523 lbs

Total battery volume: 4 cubic feet

Battery pack specific energy 37.5 w/kg

No. of batteries per vehicle: 8

Total battery voltage: 48

Charger: off-board

Drive motor: Separately Excited DC-Brush

No. of motors: 1

Rated motor power: 7hp

Drive: RWD

Regenerative braking: Yes

Coast Regenerative Breaking: Yes

Vehicle Model (If coded attachment)	Trans. Type M5, A4 (if applicable)	GVWR	Curb Weight	ETW or Test Weight	DPA or RLHP
68 LIDO Runabout	N/A	1480	1150	1315	NA
70 LIDO 2Pgs Coup	N/A	1470	1140	1305	"
74 LIDO Limo	N/A	1493	1163	1328	"
1402 LIDO Woody	N/A	1488	1158	1323	
1401 LIDO Deluxe	N/A	1494	1164	1329	