

CLUB CAR 411

User Manual



Club Car



WARNING

Read, understand, and follow all of the instructions and safety precautions in this manual and on all product labels. Failure to follow the safety precautions could result in serious injury or death.



WARNING

Operating, servicing and maintaining a passenger vehicle or off-road vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle.

For more information go to www.P65Warnings.ca.gov/passenger-vehicle.

TABLE OF CONTENTS

TABLE OF CONTENTS	3
WELCOME	4
INTRODUCTION.....	5
SAFETY	10
FEATURES AND CONTROLS.....	21
OPERATION	38
MAINTENANCE.....	42
SPECIFICATIONS	57
WARRANTY	58
MAINTENANCE LOG	64
INDEX	65

WELCOME

The purpose of this User's Manual is to present the vehicle you have just purchased. You will find in it all the information you require as an owner. Once you have read this manual, you will:

- Know all the features of your vehicle,
- Be able to use your vehicle in the most effective way,
- Be able to perform simple maintenance on your vehicle.

For more involved and/or major service and repairs please consult your authorized Club Car Service Center. Should you have any questions after reading the manual, please contact Club Car customer service. Please have your Vehicle Identification Number (VIN) and date of purchase available.

You may not find, on your vehicle, all the equipment and optional features described in this manual, as they depend on the model and the options you have ordered, and, they depend on the enforced regulations that apply in the country, state and municipality where you have purchased and operate your vehicle.

The 411 complies with the U.S. Department of Transportation National Highway Traffic Safety Administration (NHTSA) low-speed vehicle (LSV) regulations and can be licensed and operated on many streets posted with low speed (25 – 35 mph) limits. Please familiarize yourself with all laws and regulations before operating the vehicle on surface streets in your area.

Club Car Customer Service

Phone: +1 (800) CLUB-CAR / +1 (800) 258-2227

Email: info@clubcar.com

Web: www.clubcar.com

Copyright 2019 Club Car LLC.

All information contained in this publication is based on the latest product information available at the time of publication. Product improvements or changes may result in differences between this manual and the vehicle. Descriptions, depictions and/or procedures in this document are intended for reference only.

No liability can be accepted for omissions or inaccuracies. Club Car LLC reserves the right to make changes at any time, without notice and without incurring obligation to make the same or similar changes to vehicles previously manufactured. Any reprinting or reuse of the descriptions, depictions and/or procedures, whether in whole or in part, is expressly prohibited.

INTRODUCTION

This vehicle complies with the U.S. Department of Transportation National Highway Traffic Safety Administration (NHTSA) low-speed vehicle regulations and can be operated on many streets posted with low speed limits. Please familiarize yourself with all laws and regulations concerning the operation of the vehicle in your area.

This manual applies to the following Club Car vehicles: **Club Car 411**

INTRODUCTION

Safety Signal Words and Symbols

The following signal words and symbols appear throughout this manual and on your vehicle. Your safety is involved when these words and symbols are used. Become familiar with their meanings before reading the manual.



The safety alert symbol indicates a potential personal injury hazard.

WARNING

A **WARNING** indicates a hazardous situation which, if not avoided, may result in death or serious injury.

CAUTION

A **CAUTION** indicates a hazardous situation which, if not avoided, may result in minor or moderate injury.

Notice

A Notice indicates a situation that may result in property damage.



The Prohibition Safety Sign indicates an action **NOT** to take in order to avoid a Hazard.



The Mandatory Action Sign indicates an action that **NEEDS** to be taken to avoid a Hazard.

INTRODUCTION



WARNING

Failure to follow the warnings contained in this manual can result in severe injury or death. Special precautions must be followed when owning and operating a battery-powered vehicle. This vehicle is not a toy and can be hazardous to operate. This vehicle handles differently than other vehicles. A collision or rollover can occur quickly, even during routine maneuvers, if you fail to take proper precautions.

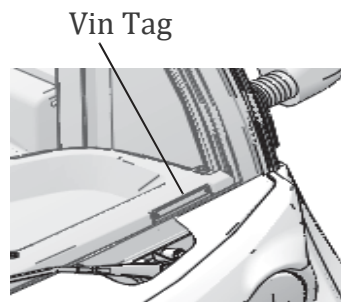
- Read this owner's manual. Understand all safety warnings, precautions and operating procedures before operating the vehicle. Keep this manual with the vehicle.
- This vehicle is an ADULT VEHICLE ONLY. NEVER operate this vehicle if you are under age 16 and NEVER operate without a valid driver's license.
- Never permit a guest to operate this vehicle unless the guest has read this manual and all product labels.
- Operate this vehicle only on public or private roads where speed limits are appropriate for low speed vehicles. Be familiar with motor vehicle laws in your area of operation. Do not operate this vehicle in situations where it could become an obstacle or an annoyance for faster-moving traffic.

INTRODUCTION

Manufacturer's Label (Vehicle Information Label)

Record your vehicle's identification numbers and key numbers in the spaces provided on Page 9.

The Vehicle Identification Number (VIN) is stamped on a tag affixed to the left dash at the base of the windshield. The VIN is also printed on the manufacturer's label, which is located on the left rear section of the interior roof panel. See Page 10.



The VIN indicates the model year, model type and serial number of your vehicle. The manufacturer's label also contains the Gross Vehicle Weight Rating (GVWR) and Gross Axle Weight Rating (GAWR) information for your vehicle. Never exceed the GVWR or the GAWR. See Page 13.

Replacement Keys

To order an extra or replacement key for the ignition or for accessory locks, please contact Club Car customer service. Be prepared to provide your key number and VIN. See Page 9.

Manufacturer's Label (Vehicle Information Label)

Vehicle Identification Number (VIN): |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

Motor Serial Number (on case of motor): _____

Ignition Key Number (stamped on key): _____

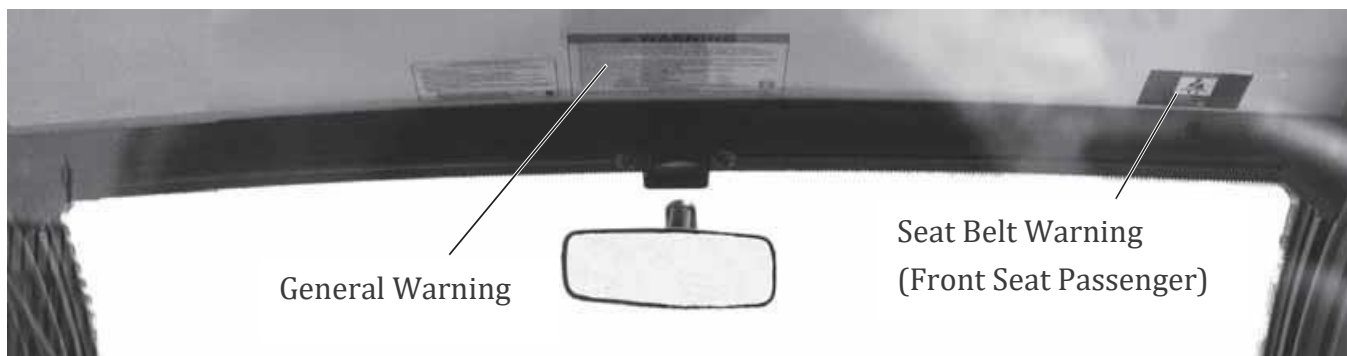
Date Purchased: _____

SAFETY

Safety Labels and Locations

Warning labels have been placed on the vehicle for your protection. Read and follow the instructions of the labels on the vehicle carefully. If any of the labels depicted in this manual differ from the labels on your vehicle, always read and follow the instructions of the labels *on the vehicle*.

If any label becomes illegible or comes off, contact your authorized Club Car dealer to purchase a replacement. Replacement *safety* labels are provided at no charge. The part number is printed on the label.



SAFETY

Safety labels and locations

WARNING

- Read your owner's manual before operating this vehicle.
- Do not operate this vehicle under the influence of alcohol, drugs or medication.
- This vehicle is not intended to be driven at speeds exceeding 25 MPH (40 km/h).
- Although most states prohibit this vehicle from operating on streets having posted speed limits of more than 35 MPH (56 km/h), state and local rules may vary. Check with your local law enforcement (city and state officials) for variations in your area.
- Never exceed the passenger and cargo limits of this vehicle.
- Do not start or operate vehicle until all occupants are seated with seat belts fastened.
- Avoid sharp turns on inclines and at high speeds (may cause rollover).
- Reduce speed on wet and slippery surfaces and in turns.
- Do not leave children unattended in vehicle.
- Set handbrake before leaving the vehicle.
- Remove key when leaving vehicle unattended.
- Stop vehicle before reversing direction.
- Be aware of small children and objects behind you before reversing direction.

ALWAYS DRIVE SAFELY. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS OR FATAL INJURY.

SAFETY

Safety labels and locations

Seat Belt Warning

One seat belt warning is located on the headliner above the front passenger seat.



TO AVOID PERSONAL INJURY OR DEATH: Always fasten your seat belt.

Passenger/Rear Cargo Warning

This label is centrally located under the center high mount stop lamp (if equipped).



Never carry passengers on rear platform. Passengers can be thrown off. This can cause serious injury or death.

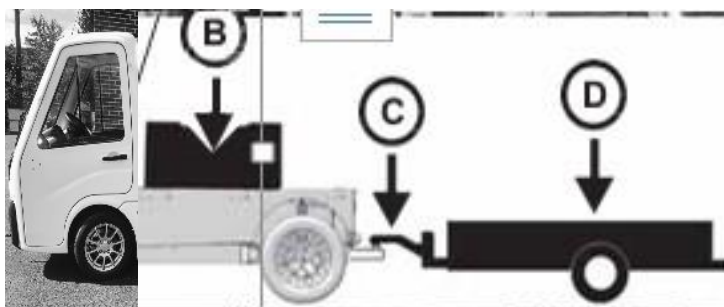


Distribute weight evenly. Ensure loads are properly secured. Total weight of passengers, accessories and cargo must not exceed gross vehicle weight rating in User Manual.

SAFETY

Safety labels and locations Cargo Limit Warning

The 411 cargo limit warning label is located at the rear of the cab. See Page 41 for towing procedures.



Cargo Limit Warning

Capacities	411
A: Occupant Capacity	300 lbs. (136 kg)
B: Cargo Capacity (includes cargo, bed load and optional equipment)	1100 lbs. (498 kg)**
C: Maximum Trailer Tongue Weight	150 lbs. (68 kg)
D: Maximum Gross Trailer Weight	1100 lbs. (499 kg)
A + B = Vehicle Rated Capacity	1450 lbs. (658 kg)
A + B + D = Must not exceed stated Vehicle Combination Rated Capacity	1450 lbs. (658 kg)
Vehicle Dry Weight (Flatbed, Pickup, or Cargo Box)	2300, 2350, or 2650 lbs. (1043, 1065, or 1202 kg)
A + B + Vehicle Dry Weight = Maximum Gross Vehicle Weight	3000 lbs. (1361 kg)
A + B + D + Vehicle Dry Weight = Must not exceed stated Maximum Gross Vehicle	3000 lbs. (1361 kg)
**Cargo capacity is directly affected by the vehicle's features, options and accessories and will be unique to each specific configuration.	

SAFETY

Operator Safety



WARNING

Serious injury or death can result if you do not follow these instructions and procedures, which are outlined in further detail within your owner's manual.

- Read this manual and all labels carefully. Follow the operating procedures described.
- Never allow anyone under age 16 to operate this vehicle and never allow anyone without a valid driver's license to operate this vehicle.
- Never permit a guest to operate this vehicle unless the guest has read this manual and all product labels.
- Always make sure the seat belts are secured for operator and all passengers before operating.
- Never exceed the maximum occupant capacity of your vehicle: The 411 has a maximum of 2 Occupants.
- Never exceed the gross vehicle weight rating (GVWR) of your vehicle.
- The cab frame is not designed or intended to provide rollover protection. Avoid situations that could result in a rollover.
- Always be sure there are no obstacles or people behind your vehicle when operating in reverse. When it's safe to proceed in reverse, move slowly. Avoid turning at sharp angles in reverse.
- Always use the proper size and type of tires and always maintain proper tire pressure as specified in this manual and on safety labels.
- Never modify this vehicle through improper installation or use of accessories.
- Always set the park brake and remove the key when leaving the vehicle unattended.
- The voltage in the battery pack is enough to cause death by electrocution. Never attempt to perform service on the electric drive system, including the battery pack, unless you are properly trained to work on electrical systems. Your authorized Club Car dealer can provide battery-related service.

SAFETY

Operator Safety

- Do not carry a passenger until you are comfortable with all components of this vehicle, including acceleration, braking and turning. Cargo, including a passenger, may alter vehicle performance.
- Always keep arms and legs inside the cab frame while the vehicle is in motion.
- Always keep both hands on the steering wheel and both feet on the floorboards of the vehicle during operation.
- Never consume alcohol or drugs before or while operating this vehicle.
- Never operate at excessive speeds.
- Always travel at a speed proper for the traffic, visibility and operating conditions, and your experience.
- Never attempt jumps, doughnuts or other stunts.
- Always inspect your vehicle each time you use it to make sure it's in safe operating condition. Always follow the inspection and maintenance procedures and schedules described in this manual.
- Never operate on excessively rough, slippery or loose terrain.
- Always follow proper procedures for turning. Practice turning at slow speeds before attempting to turn at faster speeds. Never turn at excessive speeds.
- Always have this vehicle inspected by an authorized service dealer if it has been involved in an accident.
- Always be alert for obstacles when operating this vehicle. Never attempt to operate over obstacles.
- Always be careful of skidding or sliding. On slippery surfaces such as ice, travel slowly and exercise caution to reduce the chance of skidding or sliding out of control.
- Never operate this vehicle on steep hills.

SAFETY

Operator Safety

Gross Vehicle Weight Rating (GVWR)

WARNING! Exceeding the gross vehicle weight rating of your vehicle can reduce stability and handling and could cause loss of control. NEVER exceed the GVWR of your vehicle.

The maximum *payload capacity* of your vehicle is the maximum weight you may add to your vehicle *without exceeding the GVWR*. This capacity is determined by calculating the difference between your vehicle's GVWR and wet weight.

Refer to the specification section of this manual or the Manufacturer's Label on the vehicle for model-specific information.

When determining the weight, you will be adding to your vehicle, and to ensure you do not exceed the maximum payload capacity, include the following:

- Operator body weight
- Passenger body weight
- Weight of all occupants' apparel and items in or on apparel
- Weight of any options or accessories *and their contents*
- Weight of any additional cargo on the vehicle

SAFETY

Operator Safety

Equipment Modifications

Never install any equipment or make vehicle modifications to increase the speed or power of the vehicle. Any modifications to the original equipment of the vehicle create a substantial safety hazard and increase the risk of bodily injury. The warranty on your vehicle is terminated if any equipment has been added to the vehicle, or if any modifications have been made to the vehicle, that increase its speed or power.

The addition of certain accessories, including (but not limited to) mowers, blades, tires, sprayers, or large racks, may change the handling characteristics of the vehicle. Use only Club Car-approved accessories and familiarize yourself with their function and effect on the vehicle.



WARNING

Failure to operate this vehicle properly can result in a collision, loss of control, accident or overturn, which may result in serious injury or death. Heed all safety warnings outlined in this section of the User Manual. See the OPERATION section of the User Manual for proper operating procedures.

Age Restrictions

This vehicle is an ADULT VEHICLE ONLY. NEVER operate this vehicle if you are under age 16 and NEVER operate without a valid driver's license.



Seat Belts

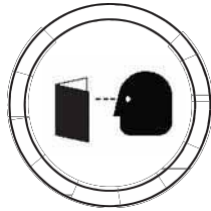
Riding in this vehicle without wearing the seat belt increases the risk of serious injury in the event of an accident or sudden stop. Occupants *must* wear seat belts at all times. Always make sure the seat belts are secured for operator and all passengers before operating. See Pages 35-36.

SAFETY

Operator Safety

Operating Without Instruction

Operating this vehicle without proper instruction increases the risk of an accident. The operator must understand how to operate the vehicle properly in different situations and on different types of terrain. All operators must read and understand the Owner's Manual and all warning and instruction labels before operating the vehicle.



Failure to Inspect Before Operating

Failure to inspect and verify that the vehicle is in safe operating condition before operating increases the risk of an accident. Always inspect the vehicle before each use to make sure it's in safe operating condition. Always follow all inspection and maintenance procedures

Ventilation When Charging Batteries

- Failure to provide adequate ventilation while charging batteries can result in an explosion. Volatile hydrogen gas is emitted during charging and may accumulate in pockets at the ceiling.
- Always ensure a minimum of 5 air changes per hour in the charging area. E.G.: Roll down windows in an open (non-enclosed area). Turn on fan as required.
- Always remove any storage covers from the vehicle and open any cab doors (if equipped) before charging.

Using Alcohol or Drugs

Operating the vehicle after consuming alcohol or drugs could adversely affect operator judgment, reaction time, balance and perception. Never drink alcohol or use drugs or medications before or while operating this vehicle.



SAFETY

Operator Safety

Operating a Damaged Vehicle

Operating a damaged vehicle can result in an accident. After any overturn or accident, have qualified service dealer inspect the entire machine for possible damage, including (but not limited to) brakes, accelerator, steering system and electrical system.

Operating at Excessive Speeds

Operating this vehicle at excessive speeds increases the operator's risk of losing control. Always operate at a speed that's appropriate for the traffic, the visibility and operating conditions, your skills and your passengers' skills.

Turning Improperly

Turning improperly could cause loss of traction, loss of control, accident or overturn. Always follow proper procedures for turning. Never turn abruptly or at sharp angles. Never turn at high speeds. Practice turning at slow speeds before attempting to turn at faster speeds.

Vehicle Rollover

Vehicle rollover could cause serious injury or death. The cab frame is not designed or intended to provide rollover protection. Always make sure the seat belts are secured for operator and all passengers before operating. Avoid situations that could result in a rollover. Avoid sharp turns and abrupt steering maneuvers.

Exhibition Driving

Exhibition driving increases the risk of an accident or overturn. Never attempt wheelies, jumps, doughnuts or other stunts. Avoid exhibition driving.

Carrying Cargo

Carrying loads on the roof could damage the roof and affect vehicle handling, which could result in an accident or overturn. Never carry loads on the roof of the vehicle. Never exceed the stated load capacity for this vehicle. Cargo should be properly distributed and securely attached. Reduce speed and follow the instructions on cargo warning labels for hauling cargo. Allow a greater distance for braking.

SAFETY

Operator Safety

Improper Tire Maintenance

Operating this vehicle with improper tires or with improper or uneven tire pressure could cause loss of control or accident.

Always use the size and type of tires specified for your vehicle. Always maintain proper tire pressure as described in the owner's manual and on safety labels.

Unauthorized Use of the Vehicle

Leaving the keys in the vehicle can lead to unauthorized use of the vehicle, which could result in an accident or overturn.

Always remove the key when the vehicle is not in use.

Hot Drive Systems

The motor and controller are very hot during and after use of the vehicle. Hot components can cause burns and fire. Do not touch hot drive system components. Always keep combustible materials away from the drive system.

Precautions During Maintenance



WARNING

The voltage in the battery pack is enough to cause death by electrocution. Never

attempt to perform service on the electric drive system, including the battery pack, unless you are properly trained and authorized to work on electrical systems. Your authorized Club Car dealer can provide battery-related service.

WARNING! Do not work in or near the battery compartment or on any other electrical component of the vehicle while charging the batteries.

WARNING! Please contact your Club Car Authorized Service Center for servicing the vehicle's electrical/battery systems. Always follow all safety instructions in the maintenance portion of this owner's manual, as well as the following:

- Make sure the vehicle is properly immobilized before beginning any maintenance.
- Always block the chassis securely before working under the vehicle.
- Turn the key off and remove it from the vehicle.

**FOR MORE INFORMATION
ABOUT SAFETY PLEASE
CONTACT CLUB CAR CUSTOMER
SERVICE. See Page 4.**

FEATURES AND CONTROLS

Console



1. Light and indicator lever
2. Windshield wiper lever
3. Car radio place
4. Dashboard
5. Side pocket
6. Side vent
7. Plug 12 V
8. Plastic cup holes
9. Ventilation lever
10. Gear selector
11. Warning lights push button
12. Starter

Electrical Components

Electrical wiring, circuit boards and components are located under and behind the upper and lower console.

NOTICE: Liquids can damage electrical components and the circuit board. Handle liquids with care. Do not spray water directly into the upper or lower console.



FEATURES AND CONTROLS

Console

Key Switch

When the key is turned to the ON position (clockwise), the display will light up and all electrical accessories can be used.

Leaving the key in the ON position will discharge the batteries. Always turn the key to the OFF position when not operating. Remove the key from the ignition to prevent unauthorized use.

When the key is turned to the OFF position, the vehicle will not accelerate.

NOTE: The steering column automatically locks when the ignition key is removed.



The key can be removed from the switch when it is in the OFF position.

WARNING

Never turn the key to the OFF position while the vehicle is in motion. This could lead to loss of speed control and loss of vehicle control, which could result in serious injury or death.

FEATURES AND CONTROLS



 To switch off lights

 Front fog lights

Front fog lights can only be operated when sidelights or dimmed headlights are on.

 Front and rear fog lights

Switches on simultaneously front and rear fog lights.

Front and Rear Driving Lights

Rotate the central bush of the lever (1) until the symbol faces the mark (2).

 To switch off lights  Sidelights

When the selection is active, the related indicator is continuously lit on the dashboard.

  Headlights or dimmed headlights

These lights cannot be operated when the key is not in the ignition. To shift from headlights to dimmed headlight, push the lever towards you.

Fog lights can be operated only when the key is in the ignition. To select fog lights: Rotate the central bush (3) of the lever.

 To switch off lights

 Front fog lights

Front fog lights can only be operated when sidelights or dimmed headlights are on.

 Front and rear fog lights

Switches on simultaneously front and rear fog lights.

The horn is a simple push once to activate at the end of the light control lever. When a selection is active, the related indicator is continuously lit on the dashboard.

FEATURES AND CONTROLS

Turn Signal



When you turn right: operate the lever upwards.

The turn indicator light flashes on the dashboard.



Slightly push the lever to let the lever go back to its central position, as soon as it is released.

When you exert a more important force on the lever, it remains on its position.

The turn indicator or signal can be operated only when the key is in the ignition. When you turn left: operate the lever downwards.



The turn indicator flashes on the dashboard.



WINDSHIELD WIPERS

Windshield wipers can only be operated when the key is in the ignition. To select the wiping mode:

Move the right lever (1) upwards to operate:

- The periodic wiping
- The low speed wiping
- The high-speed wiping

FRONT WINDSHIELD WASHER

To operate the front windshield washer, pull the right lever towards you.

The windshield washer will be operated only once.

FEATURES AND CONTROLS

Gear Shifter

The gear shifter is located on the central panel. 4 positions are possible:

« N » position:

« Neutral » mode of the vehicle. The drive chain is not active.

« E » position:

« Eco » mode of the vehicle.

The electronic monitoring device of the drive train limits the maximum speed to 16 mph (25 km/h), ideal speed for maximum efficiency.

« D » position:

« Full power » mode of the vehicle. This is the normal driving mode.

« R » position:

« Reverse » mode of the vehicle. To move the vehicle backward.



Make sure the DENR shifter is on the « N » position and the handbrake is set when you leave your vehicle.

FEATURES AND CONTROLS






Digital/Analog Gauge

High water pressure may damage components. Wash the vehicle by hand or with a garden hose using mild soap. Certain products, including insect repellents and chemicals, will damage the speedometer lens and other plastic surfaces. Do not use alcohol to clean the instrument cluster. Do not allow insect sprays to contact the lens. Immediately clean off any gasoline that splashes on the instrument cluster.

Speedometer

When driving, the speedometer displays vehicle speed in miles per hour (MPH)

Indicator Lamps

Lamp	Indicates	Condition
MPH	Vehicle Speed	When standard mode is selected, speed displays in miles per hour.
KM/H		
	Brake Indicator	This lamp illuminates when the parking brake is engaged or when a brake system failure has occurred. See Page 27.
	Direction Indicators	A direction indicator flashes when a turn signal is active.
	Low Beam	This lamp illuminates when the headlamp switch is set to low beam.
	High Beam	This lamp illuminates when the headlamp switch is set to high beam.
	Seat Belt	When the key is turned on, the seat belt indicator lamp will illuminate if the driver's seat belt is not fastened. The lamp is a reminder to the operator to ensure all riders are wearing seat belts before operating.

Brake Indicator



The brake indicator illuminates when the park brake is engaged or when a brake system failure has occurred. If the brake warning illuminates, check the following items before operating the vehicle.

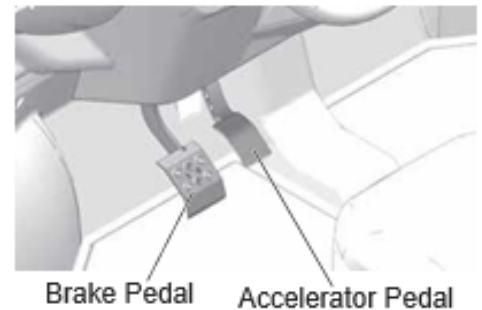
Brake System Item	Solution
Park brake	Release the park brake.
Brake fluid level	If low, add brake fluid. See Page 44.
Brake system	Check hoses for cracks, scuffs and worn spots. If you discover signs of wear or damage, do not operate the vehicle. Your authorized Club Car dealer can provide service.

WARNING! Worn or damaged brake hoses can cause brake failure. Always have worn or damaged brake hoses replaced promptly.

FEATURES AND CONTROLS

Brake and Accelerator Pedal

The brake pedal is located on the floor to the left of the accelerator pedal. Push the brake pedal toward the floor to slow or stop the vehicle. Apply the brakes before turning the key on.



WARNING

Constant brake use (riding the brakes) can cause brakes to overheat and fail, which could lead to an accident resulting in serious injury or death. Do not drive with your foot resting or riding on the brake pedal.

The accelerator pedal is located on the floor to the right of the brake pedal. To begin moving or to increase vehicle speed, gradually push the accelerator pedal toward the floor. Holding the accelerator pedal down continuously will accelerate the vehicle to the maximum speed.

The accelerator pedal will function only if the key is on. To slow the vehicle, release the accelerator pedal and apply the brake.

Parking Brake Lever

WARNING! A rolling vehicle can cause serious injury. Always set the parking brake when leaving the vehicle unattended.

Remove the key from the ignition to prevent unauthorized use.

When the parking brake is set, and the brake indicator is illuminated, the vehicle will not move.

Always apply the brakes before setting or releasing the parking brake. To set the parking brake, pull the parking brake lever upward. To release the parking brake, press and hold the parking brake release and move the lever to the disengaged position.



NOTICE: Be sure the parking brake is fully disengaged before driving. Failure to do so can lead to overheating of the rear brakes.

NOTE: The parking brake is adjustable and should be checked periodically as outlined in the Periodic Maintenance Chart beginning on Page 43. Your authorized Club Car dealer can assist.

FEATURES AND CONTROLS

Batteries

Battery Pack

Your vehicle is equipped with a battery pack. This battery pack supplies the power needed to operate the vehicle.

These batteries perform best when recharged fully and often. Recharge the batteries daily, or after each use of the vehicle.

NOTICE: Each vehicle is programmed at the factory for a particular battery type. Switching battery types should be done only by an authorized service technician. Your authorized Club Car dealer can provide battery-related service.

Battery Performance Tips

- New batteries will not perform to their fullest capacity until they have been discharged and recharged 20 to 30 times.
- Batteries should be fully charged before the first use.
- Recharge the batteries daily, or after each use of the vehicle.
- Always maintain a full charge on the batteries. For best battery life, avoid discharging the batteries more than 80%.
- Batteries should be at room temperature when recharging. Do not charge batteries at temperatures of 110°F (43°C) or higher.
- Range may be affected by road conditions, terrain, temperature and driving habits.

On-Board Charger

The on-board battery charger is located behind the body's left side panel. The state of charge of the batteries displays in the rider information center

When the vehicle will not be used for 10 or more days, connect the charger. The state of charge of the batteries will be monitored, and charging will automatically be initialized when the state of charge drops below 97% or when 28 days have passed since the last charge completed.

IMPORTANT: Avoid temperature extremes when choosing a storage area.

If the combined voltage of all batteries reaches 36 volts or less, a safety feature in the on-board charger will not allow the charger to activate. If this occurs, please contact your Club Car-authorized dealer for service.

FEATURES AND CONTROLS

Batteries

Battery Charging

WARNING

Using a non-recommended extension cord could result in fire, heat damage or charger failure, which could result in serious injury or death. Always use the recommended type of cord to charge the batteries.

Tip: Do not use a ground fault interrupt (GFI) type cord on a GFCI-protected outlet.

WARNING

Charging from a circuit of lesser capacity and/or using a cord from the outlet to the vehicle that is not sufficient in wire gauge could create a fire hazard.

WARNING

Failure to provide adequate ventilation while charging batteries can result in an explosion. Hydrogen gas is emitted during charging and will rise and accumulate at the ceiling. Always ensure a minimum of five (5) air changes per hour in the charging area. E.G.: Roll the windows down in an external (not-enclosed) area and/or turn on the fan. Never charge the batteries in an area subject to a flame or spark, including areas containing gas or propane water heaters and furnaces. Do not smoke in the charging area.

Your vehicle is equipped with a standard charge receptacle. The battery charge receptacle is located right side of the vehicle behind the access door.

FEATURES AND CONTROLS

AC Electrical Cord and Plug

The AC electric cord has an equipment-grounding conductor and grounding type plug. The AC plug must be connected to a correctly rated ground fault circuit interrupter (GFCI) receptacle with arc flash protection. The receptacle must be installed and grounded in accordance with the National Electrical Code, local codes, and local ordinances.

Standard Charge Receptacle

The following information applies to use of the standard charge receptacle.

When charging the vehicle, always use a standard 3-wire grounded extension cord of one of the following types:

- 12-gauge wire with 3-wire grounded, 50 feet (15.25 m) or shorter.
- 14-gauge wire with 3-wire grounded, 25 feet (7.6 m) or shorter.



FEATURES AND CONTROLS

Batteries

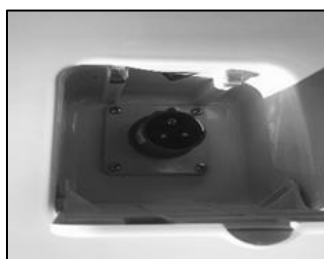
Battery Charging

Always follow these precautions when charging:

- Position the vehicle on a level surface. Make sure the charging area is well ventilated.
- Make sure the key is off.
- Always use the recommended extension cord type.
- Inspect the extension cord for cracks, loose connections and frayed wiring. Never use a damaged extension cord.
- Always connect the charging cord to the vehicle's charge receptacle first, then plug the cord into a wall receptacle.

Tip: Always use a 110-volt AC, 20-amp breaker outlet. A GFI (Ground Fault Interrupt) receptacle is required.

- Make sure the charger uses a dedicated circuit to prevent overloading. If charging multiple vehicles, each vehicle should use a dedicated circuit.
- When disconnecting the charger, always disconnect the extension cord from the wall receptacle first, then disconnect the cord from the vehicle.



1. Plug into car



2. Plug into outlet

FEATURES AND CONTROLS

Batteries

Battery Handling Precautions

WARNING

Do not work in or near the battery compartment or on any other electrical component of the vehicle while charging the batteries.

WARNING

Please contact your Club Car authorized dealer for service requirements involving the vehicle's electrical/battery systems. If you are not authorized to service your vehicle, please do not attempt as trained personnel will properly manage the electrical/battery systems. HIGH BATTERY VOLTAGE IS ALWAYS PRESENT. DO NOT TOUCH THE BATTERY TERMINALS.

- Never connect jumper cables to any of the batteries of this vehicle.

FEATURES AND CONTROLS

Interior Lights



The interior light is located under the roof panel, between the sun visors.

Toggle the switch to:



get a continuous lighting (2),



switch off the light (1).

12V Plug



3

The driving position is fitted with a 12V plug for accessories (3). It is a « cigarette lighter » type plug, designed to power accessories with a maximal power of 120W (10A). The accessory 12V plug is only powered when the vehicle is being driven, the ignition key being on « Accessory » or « On » positions

FEATURES AND CONTROLS

Doors

The vehicle is fitted with an electrical locking device, controlled through an interlocking system located into the left door (1). To lock the doors, Rotate the key clockwise. To unlock the doors, Rotate the key anticlockwise.

WARNING

Doors do not offer structural protection in the event of an accident and do not change the open body characteristics of the vehicle. The doors provide protection from the weather only. Always use seat belts. Failure to use the seat belts puts the driver and passengers at greater risk of serious injury or death in the event of an accident

Seat Adjustment

Seats can be adjusted forward or rearward. The seat adjustment lever is directly under the front of the seat.

1. Move the adjustment lever to the left and slide the seat to the desired position.
2. Release the lever.
3. Make sure the seat latches securely in position. Test the latch by attempting to slide the seat forward and rearward while seated.

WARNING

Making adjustments while driving could result in loss of control. Never make adjustments while driving.

FEATURES AND CONTROLS

Seat Belts



WARNING

Failure to properly use seat belts and child restraints can result in serious injury or death. Always follow all legal requirements for seat belt and child restraint use in on-road vehicles.

- Always make sure the seat belts are secured for operator and all passengers before operating.
- Pregnant women should wear the lap part of the belt across the thighs and as snug across the hips as possible. Keep the belt low so that it does not come across the abdomen.
- The operator and all passengers are subject to the same legal requirements for seat belt use as occupants in other on-road vehicles. Use the type of restraint that is correct for your child. When using child safety seats, always follow the manufacturer's instructions for proper installation and use in a vehicle containing only a shoulder/lap belt restraint system.
- Visit www.seatcheck.org or call 1-866-SEATCHECK for more information about child restraints.

FEATURES AND CONTROLS

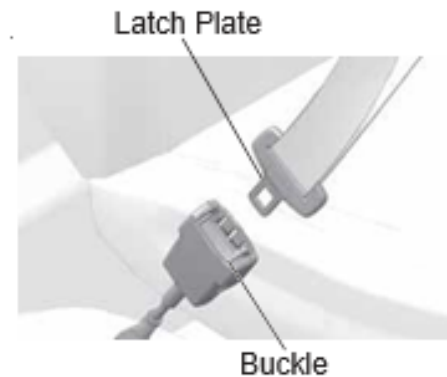
Seat Belts

Proper Seat Belt Use

This vehicle is equipped with three-point lap and diagonal seat belts for all occupants. Always make sure the seat belts are secured for operator and all passengers before operating.

To wear the seat belt properly, follow this procedure:

1. Pull the seat belt latch downward and across your chest toward the buckle at the inner edge of the seat.
2. Slide the buckle up the webbing as far as needed for the belt to reach across your hips. The belt should fit snugly across your hips and diagonally across your chest. Make sure the belt is not twisted.
3. Push the latch plate into the buckle until it clicks.
4. Release the strap, it will self-tighten.
5. To remove slack in the lap belt portion of the belt, pull upward on the shoulder belt. To loosen the lap belt if it is too tight, tilt the buckle and pull the lap belt slightly longer.
6. To release the seat belt, press the square red button in the buckle's center. If necessary, slide the buckle down the webbing to allow it to retract fully.



Seat Belt Inspection

Inspect all seat belts for proper operation before each use of the vehicle.

1. Push the latch plate into the buckle until it clicks. The latch plate must slide smoothly into the buckle. A click indicates that it's securely latched.
2. Push the red release latch in the middle of the buckle to make sure it releases freely.
3. Pull each seat belt completely out and inspect the full length for any damage, including cuts, wear, fraying or stiffness. If any damage is found, or if the seat belt does not operate properly, have the seat belt system checked and/or replaced by an authorized service dealer.
4. To clean dirt or debris from the seat belts, sponge the straps with mild soap and water. Do not use bleach, dye or household detergents.

FEATURES AND CONTROLS

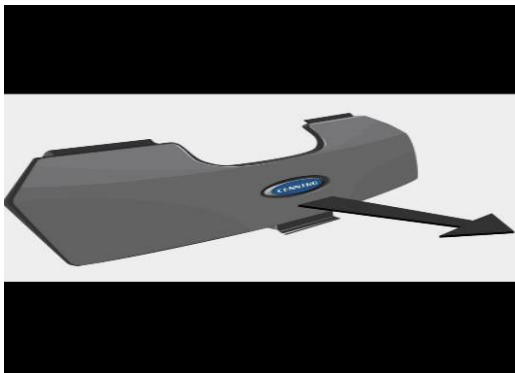
Stereo System

The stereo system is mounted in the dash and features speakers, FM radio, MP3 capabilities and standard Bluetooth functionality.

Hood

Remove the hood to access the windshield washer fluid tank (if equipped and Brake fluid reservoir.

1. Using your fingers push down on edge of cover
2. pull outward toward front of the vehicle to remove panel.



Washer fluid
Tank



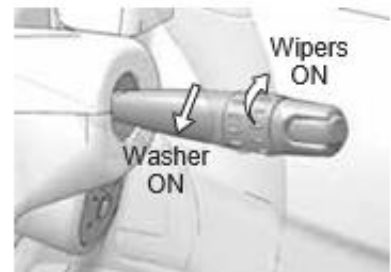
Windshield Washer

Rotate the knurled barrel forward to turn the windshield wipers on.

Pull the control lever toward the driver's seat to activate the washer.

Check the washer reservoir fluid level frequently. When the level is low, remove the cap and add windshield antifreeze (not radiator antifreeze) rated for -25°F (-31°C). Operate the system for a few seconds to flush out any residual water.

⚠ WARNING! Commercial windshield washer solvents are flammable. Keep sparks, flames and cigarettes away. Handle with caution.



Washer Reservoir

OPERATION

Failure to operate the vehicle properly can result in a collision, loss of control, accident or overturn, which may result in serious injury or death. Read and understand all safety warnings outlined in the safety section of this owner's manual.

Pre-Ride Inspection

Item	Remarks	Page
Accelerator	Ensure proper operation	27
Brake system/pedal travel	Ensure proper operation	27, 45
Brake fluid	Ensure proper level	44
Headlamp	Check operation	23, 50
Brake light/tail lamp	Check operation	50
Turn signals	Ensure operation of all signal lamps	23
Mirrors	Adjust mirrors for proper side and rear view	-
Horn	Ensure operation	23
Seat belts	Check length of belt for damage, check latches for proper operation	36
Steering	Ensure free operation	45
Tires	Check tire condition and pressure	47, 48
Latches (doors/seats/ accessory back)	Ensure all latches are secure	-
Batteries	Ensure full charges	28-32

OPERATION

Driving Procedure

1. Disconnect the external vehicle charging cable.
2. Sit in the driver's seat and fasten the seat belt. Make sure passengers are seated with seat belts secured.
3. Adjust mirrors as needed.
4. Turn the key clockwise to the ON position.
5. Apply the brakes.
6. Release the park brake.
7. Move the direction switch to the desired position. See Page 25.
8. Check your surroundings and determine your path of travel.
9. Keeping both hands on the steering wheel, release the brake pedal and gradually push the accelerator toward the floor to begin driving.
10. Drive slowly. Practice maneuvering and using the accelerator and brakes on level surfaces.
11. Before turning, activate a turn signal to alert others of your intentions. See Page 24.
12. Do not carry a passenger until you are comfortable with all components of this vehicle, including acceleration, braking and turning. Cargo, including a passenger, may alter vehicle performance.
13. To stop the vehicle, release the accelerator pedal completely and brake to a complete stop.
NOTICE: Always bring the vehicle to a complete stop before changing the position of the direction switch.
14. Pull the parking brake and set the Set DENR switch to N (neutral)
▲WARNING! A rolling vehicle can cause serious injury or death. Always set the parking brake when leaving the vehicle unattended.
15. Turn the key off.
16. Recharge the batteries daily, or after each use of the vehicle.

OPERATION

Driving in Reverse

Follow these precautions when operating in reverse:

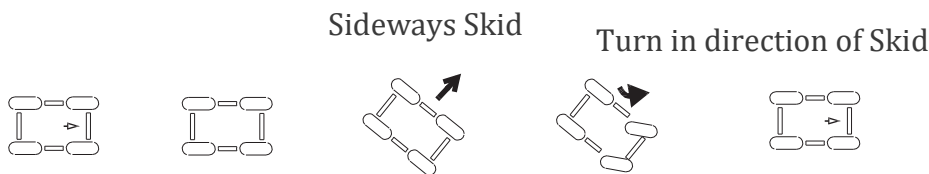
1. Always check for obstacles or people behind the vehicle. Always inspect left and right fields of vision before backing.
2. Avoid backing downhill.
3. Back slowly.
4. Apply the brakes *lightly* for stopping.
5. Avoid turning at sharp angles.
6. Never accelerate suddenly.

Driving on Slippery Surfaces

Skidding or sliding can cause loss of control or overturn (if tires regain traction unexpectedly).

When operating on slippery surfaces, reduce speed and use extra caution to reduce the chance of skidding or sliding out of control. Do not operate on excessively slippery surfaces

Whenever driving on slippery surfaces such as wet or icy pavement or loose gravel, follow these precautions:



1. Do not operate on excessively slippery surfaces.
2. Slow down before driving onto a slippery surface.
3. Avoid quick, sharp turns, which can cause skids.
4. Correct a skid by turning the steering wheel in the direction of the skid. *Never apply the brakes during a skid.*

OPERATION

Parking on an Incline

Avoid parking on an incline if possible. If it's unavoidable, follow these precautions:

- If parking in an open area, block the wheels on the downhill side of the vehicle after turning the key off.
- If parking parallel to a curb, stop the vehicle close to the curb. If the vehicle is facing downhill, turn the steering wheel toward the curb. The forward part of the front tire should be turned into the curb. If the vehicle is facing uphill, turn the steering wheel away from the curb. The rear part of the front tire should be turned into the curb.
- Set the park brake.

Transporting the Vehicle

NOTICE: Towing your Club Car vehicle could result in severe damage to the vehicle. Vehicle failures resulting from dolly towing will void warranty.

When transporting the Club Car vehicle on a trailer, always use a trailer with an approved load rating greater than the Club Car vehicle's curb weight plus any installed accessories or cargo. Refer to the cargo/weight specifications section beginning on Page 13.

Always tie the frame of the Club Car vehicle to the transporting unit securely with suitable straps. Always secure the straps to the front sub-frame and the rear frame of the Club Car vehicle. Never place tie straps across any plastic body or floor panel components.

Transport the vehicle in a closed trailer if possible. Use the following guidelines when transporting the vehicle on an open trailer.

1. Always transport the Club Car vehicle facing forward on the trailer.
2. Set the park brake. Remove the key to prevent loss.
3. Secure the seats, hood and any items that could be damaged or dislodged by strong winds. Secure or remove cargo. If equipped with hard doors, put all windows down.
4. Never allow passengers on a trailer or in a trailered vehicle.
5. Reduce speed and drive with caution

MAINTENANCE

Periodic Maintenance Chart

WARNING

Always wear safety glasses or approved eye protection when servicing the vehicle. Wear a full-face shield and gloves when working with or around batteries and electrical connectors. Always use insulated tools when working with or near batteries. Failure to follow these instructions could result in serious injury or death.

NOTICE: Damage to electrical connections and components will occur if they are unplugged before the main power connector is disconnected.

WARNING

Please contact your authorized Club Car dealer for any electrical/battery service requirements.

Careful periodic maintenance will help keep your vehicle in the safest, most reliable condition. Inspect, clean, lubricate, adjust and replace parts as necessary. When inspection reveals the need for replacement parts, genuine Club Car parts are available from your authorized Club Car dealer.

Record maintenance and service in the Maintenance Log beginning on Page 64.

Tip: Service and adjustments are important for proper vehicle operation. If you're not familiar with safe service and adjustment procedures, your authorized dealer can perform these operations.

MAINTENANCE

Periodic Maintenance Chart

Monthly	See Page
Check cables and terminal connections	Authorized Service Center
Check for worn insulation or frayed wires	Authorized Service enter
Check battery hold-down bar to ensure batteries are tightly secured	Authorized Service Center
Check tires for correct air pressure and wear	48
Check brake fluid reservoir for proper brake fluid level.	44
Check brake lines for leaks.	Authorized Service Center
Check seat belts for proper operation	36
Check headlights, horn, turn signals, windshield wiper and brake lights for proper operation.	--
Check steering wheel free play	45

MAINTENANCE

Brakes

Brake Fluid

Inspect the brake system routinely. Inspect the brake fluid level before each operation. If the level drops between fluid checks, add brake fluid as needed. Your authorized dealer can provide service.

WARNING

After opening a bottle of brake fluid, always discard any unused portion. Never store or use a partial bottle. Brake fluid is hygroscopic, meaning it rapidly absorbs moisture from the air. The moisture causes the boiling temperature of the brake fluid to drop, which can lead to early brake fade and the possibility of accident or severe injury.

Change the brake fluid every two years and any time the fluid becomes contaminated, the fluid level is below the minimum, or if the type and brand of the fluid in the reservoir are unknown. Always use DOT4 brake fluid.

Brake Fluid Position the vehicle on a level surface.

1. Open the hood. The brake fluid reservoir is located on the driver's side of the vehicle,
2. View the brake fluid level in the reservoir. The level should be between the upper (MAX) and lower (MIN) level lines.
3. If the fluid level is lower than the upper level line, add brake fluid to the upper (MAX) line.
4. Apply the brake forcefully for a few seconds and check for fluid leakage around the fittings.

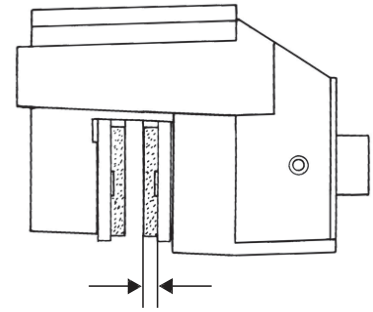


NOTICE: Brake fluid may cause damage to painted and finished surfaces. Use caution when refilling the brake fluid reservoir.

MAINTENANCE

Brake Inspection

1. Check the brake system for fluid leaks.
2. Check the brake pedal for excessive travel or a spongy feel.
3. Check the friction pads for wear, damage and looseness.
4. Inspect the brake disc spline and pad wear surface for excessive wear.
5. Change pads when worn to 0.030" (0.762 mm).



0.030" (0.762 mm)

Steering Wheel Inspection

Check the steering wheel for specified free play and smooth operation.

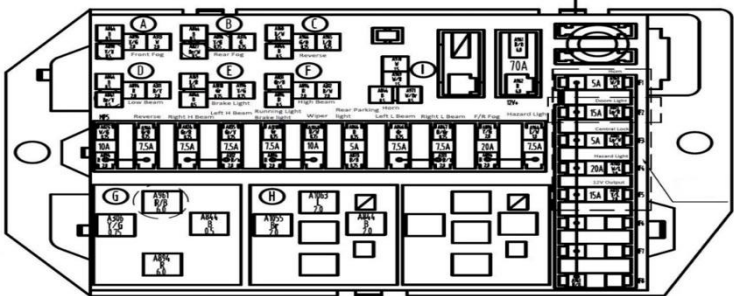
1. Position the vehicle on a level surface.
2. Lightly turn the steering wheel left and right. There should be 0.8-1.0 inch (20-25 mm) of free play at the outer rim of the steering wheel.
3. If there is excessive free play or strange noises, or the steering feels rough or "catchy," have the steering system inspected by an authorized Club Car service dealer.

MAINTENANCE

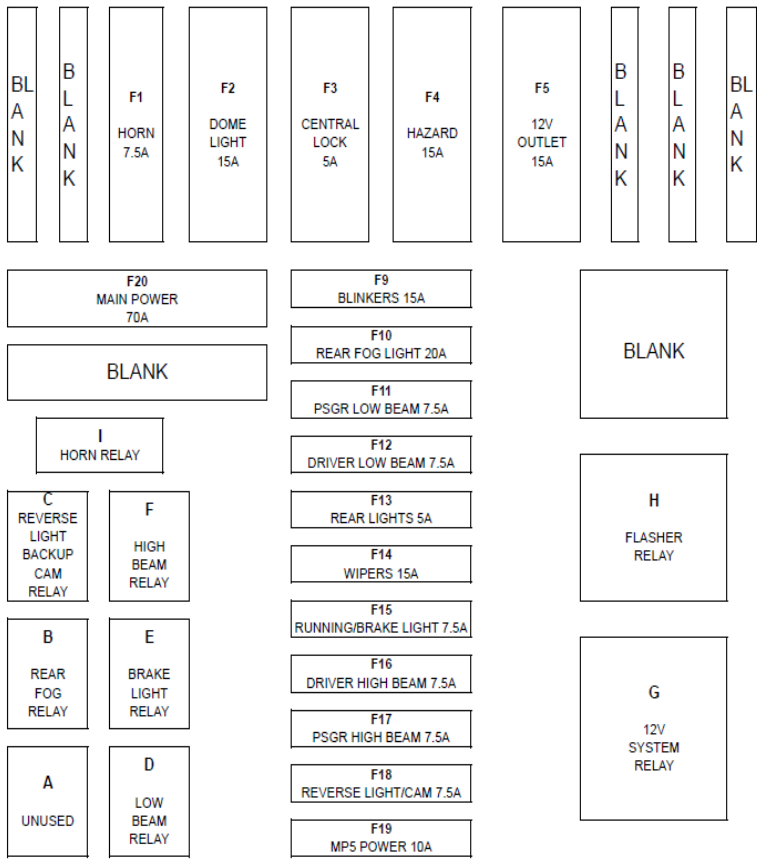
Fuses and Relays



If you require electrical/battery systems service, please contact your Club Car authorized Dealer.



AEV 411 FUSE BOX LAYOUT



If you experience electrical failures not related to the batteries, a fuse may need replacement. If you suspect a short circuit or believe a relay or diode needs replacement, your authorized Club Car Dealer can assist.

The fuse panel is located on the bottom side of the center console in the cab of the vehicle. A single screw holds the outer cover in place. Once you remove the outer cover, there's an internal fuse cover that can be removed via a simple latch to access the fuse box. The spare and heater coil fuses are used for accessories.

NOTICE: 12V fuses must not be used in 72V applications. 72V fuses must not be used in 12V applications. Always install fuses with the recommended amperage to avoid damage to the electrical system.

MAINTENANCE

Tires

WARNING

Operating your vehicle with worn tires, improperly inflated tires, non-standard tires or improperly installed tires will affect vehicle handling and could cause an accident resulting in serious injury or death. Always follow all tire maintenance procedures as outlined in this manual and on the labels on the vehicle. Always use original equipment size and type when replacing tires.

Tire Pressure

WARNING

Improper tire pressure can cause loss of control resulting in severe injury or death.

Proper tire pressure is essential to the safe and comfortable operation of your vehicle. Check tire pressure daily, or before each use of the vehicle. For recommended tire pressures, see the manufacturer's label on your vehicle or the specifications section beginning on Page 57.

MAINTENANCE

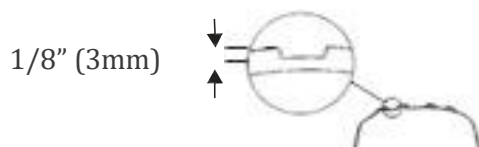
NOTICE: After inspecting or adjusting the tire pressure, always reinstall the valve stem cap (if equipped). This will prevent moisture and dirt from entering the valve stem, which could cause damage.

Tires

Tire Tread Depth

Any accelerated wear of tires may be an indicator of improper alignment or poor driving habits. Your authorized Club Car dealer can assist.

Always replace tires when tread depth is worn to 1/8" (3 mm) or less.



Wheel Nut Torque

Inspect the following items occasionally for tightness, and if they've been loosened for maintenance service. Do not lubricate the stud or the lug nut.



14-inch Cast Aluminum
8.5 lb-ft (115Nm)

MAINTENANCE

Wheel Removal

WARNING

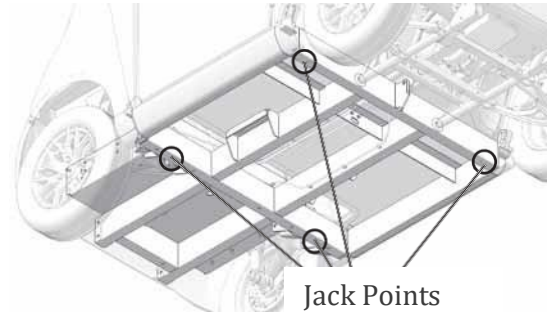
A falling vehicle can cause serious injury or death. Never place any part of your body under an elevated vehicle. If you need access to the bottom of the vehicle, use automotive jack stands to support the vehicle on a firm, level surface. Your authorized Club Car dealer can assist.

1. Position the vehicle on a dry, firm, level surface.
2. Set the park brake.
3. Turn the key off.
4. Block both the front and rear of the tire that is located diagonally opposite the jacking position. For example, if the right front tire is being changed, block the left rear wheel.
5. Use a small floor style jack or low-profile scissors jack only. Jack the vehicle only from the side of the vehicle, on the main frame rail, at the point where the tub or floor panel support and the main frame rail are welded. Alternative locations include the rear frame rail and the center of the front cross member.

NOTICE: Jacking at any location other than the recommended jacking points may cause significant damage to the vehicle frame and body.

6. Remove the wheel nuts.
7. Remove the wheel.

Frame viewed
from bottom



MAINTENANCE

Wheel Installation

WARNING

Improperly installed wheels can adversely affect tire wear and vehicle handling, which can result in serious injury or death. Always ensure that all nuts are torqued to specification. Do not service axle nuts that have a cotter pin installed. Your authorized dealer can provide service.

1. Set the park brake.
2. Place the wheel in the correct position on the wheel hub. Be sure the valve stem is toward the outside and rotation arrows on the tire point toward forward rotation.
3. Attach the wheel nuts and finger tighten.
4. Carefully lower the vehicle to the ground.
5. Torque the wheel nuts to specification. See Page 48.

Lights

Poor lighting can result in reduced visibility when driving. Clean lights frequently and replace burned out lamps promptly. Always make sure lights are adjusted properly for best visibility. When servicing a halogen lamp, don't touch the lamp with bare fingers. Oil from your skin leaves a residue, causing a hot spot that will shorten the life of the lamp.

Headlight Replacement

If a headlight fails to work properly, an expired lamp may need replacement. Apply dielectric grease to the socket before installing the new lamp.

Front/Rear Turn Signal and Brake Light Replacement

If a LED light fails to work properly, the entire assembly must be replaced. Your authorized Club Car dealer can provide service.

MAINTENANCE

Batteries

WARNING

The voltage in the battery pack is enough to cause death by electrocution. Never attempt to perform service on the electric drive system, including the battery pack, unless you are properly trained and authorized to work on electrical systems. Your authorized Club Car dealer can provide battery-related service.

WARNING

Battery posts, terminals and related components contain lead and lead compounds, chemicals known to cause cancer and reproductive harm. Always wash your hands after touching or handling the batteries.

WARNING

Charging a damaged battery can result in serious injury. Never attempt to charge a frozen or bulging battery. Discard the battery appropriately and contact your authorized dealer for replacement.

WARNING

Improperly connecting or disconnecting battery cables can result in an explosion and cause serious injury or death. Please contact your authorized dealer for service needs.

WARNING

Battery electrolyte is poisonous. It contains sulfuric acid. Serious burns can result from contact with skin, eyes or clothing.

Antidote:

External: Flush with water.

Internal: Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg, or vegetable oil. Call physician immediately.

Eyes: Flush with water for 15 minutes and get prompt medical attention.

Batteries produce explosive gases. Keep sparks, flame, cigarettes, etc. away. Ventilate when charging or using in an enclosed space. Always shield eyes when working near batteries. **KEEP OUT OF REACH OF CHILDREN.**

MAINTENANCE

Batteries

Traction Battery Configurations

NOTICE: Make sure any wire or metal items (including seat belt latches) remain clear of the battery compartment to avoid causing a short circuit to the electrical system. The batteries for your vehicle are located under bed / box inside covered box in the rear of the vehicle. Please contact your authorized dealer in the event service is required or you are experiencing issues with your electrical system inclusive of the batteries.

Traction Battery Configurations

WARNING

If battery cable ends are damaged or corroded, they should be replaced or cleaned as necessary. Failure to do so may cause them to overheat during operation, possibly leading to fire, which may result in serious injury or death. Please contact your authorized Club Car Dealer for servicing.

Battery Replacement

WARNING

Battery and electrical system service must be performed only by an authorized Club Car service facility. When battery replacement is necessary, your authorized Club Car Dealer can provide this service.

NOTICE: Always install batteries of the exact type and make originally supplied with the vehicle to prevent damage to the vehicle's electrical system.

WARNING

Handling batteries and electrical components improperly can result in serious injury or death. Do not attempt to remove batteries or battery cables. It is essential, when replacing the cables on the batteries, that the positive cable is attached to the positive post (+) and the negative cable is attached to the negative post (-). Battery posts are identified on the battery case as positive (+) and negative (-). Your authorized Club Car dealer can provide battery-related service.

MAINTENANCE/INSPECTION

Batteries

Battery Care During Storage

Battery Storage Options	
Storage Period	Charging Procedure
Less than 10 days	Fully charge the batteries, park the vehicle and turn the ignition key off. The battery will lose some of its charge during this period.
10 days to 24 weeks	Leave the charger connected. See Page 28.
Indefinitely or Unknown	Please contact your Club Car authorized Dealer for servicing which may involve disconnecting the charger and arranging for monthly charging.

Battery Disposal

Lead-acid batteries can be recycled.

Return whole scrap batteries to a distributor, manufacturer or lead smelter for recycling. For neutralized spills, place residue in acid- resistant containers with absorbent material, sand or earth and dispose of in accordance with local, state and federal regulations for acid and lead compounds.

Contact local and/or state environmental officials regarding disposal information. You can also contact Club Car Customer Service for information. See Page 4.

MAINTENANCE

Cleaning and Storage

Cleaning Windshields, Windows and Solar Panels

We recommend using a liquid household glass cleaner to remove normal dust and dirt. To remove oil, grease or road tar, use isopropyl alcohol, then wash these surfaces with water. Dry gently with a soft cloth.

NOTICE: Be very careful when cleaning acrylic surfaces as they can be scratched or damaged. Do not use a cleaner with an abrasive, a combination cleaner and wax or any solvent that contains ethyl or methyl alcohol. Do not use products containing ammonia, soaps, or abrasives. Never use gasoline or cleaning solvent. These products scratch or destroy acrylic surfaces.

Cleaning Seats

Rubbing seats with warm water and a clean, damp cloth can be used to clean the seats. Substances such as tar, asphalt and other soils will stain if not removed quickly. Use a clean cloth and solvent type vinyl cleaner, then wash the area thoroughly with a damp cloth and mild liquid detergent. Rinse with cool water.

Cleaning the Interior

Use mild liquid detergent and warm water to clean the interior. Remove detergent or deposits with a clean, damp cloth.

NOTICE: Do not spray the interior of your vehicle. Liquids can damage electrical components and the circuit board. Handle liquids with care. Do not spray water directly into the upper or lower console.

Cleaning the Exterior

The best way to preserve your vehicle's finish is to wash the vehicle regularly. Mild liquid detergents are recommended. Do not use strong soaps or chemical detergents. Rinse promptly. Dry the finish with a soft clean towel to avoid surface scratches and water spotting.

Tip: To prevent spotting, avoid washing the vehicle in direct sunlight.

Protection from the Elements

Prolonged exposure to sunlight may deteriorate the exterior and interior finish. Park the vehicle in a garage or similar structure, or cover the vehicle with a vehicle cover.

MAINTENANCE

Cleaning and Storage Tips

Clean the Exterior

Make any necessary repairs and clean the vehicle as recommended.

Check Fluid Levels

Inspect the fluid levels. Add or change fluids as recommended. Change brake fluid every two years and any time the fluid looks dark or contaminated.

Storing the Vehicle

Any time the vehicle will be parked for more than 10 days, follow the recommended storage procedures:

1. Make any necessary repairs and clean the vehicle. See Page 54.
2. Prepare the batteries for storage. See Page 53.

NOTICE: Batteries can be permanently damaged (and the warranty voided) if allowed to remain 30 days or more with low charge. Fully charge batteries before storing. In hot climates, battery self-discharge will increase. In cold climates, batteries could freeze if not properly charged.

3. Store the vehicle out of the sun in a cool, dry place.
4. Be sure the storage area is well ventilated.
5. Turn the key off.
6. Verify that tire pressure is at specification.
7. Block the wheels to prevent rolling.

MAINTENANCE

Cleaning and Storage Tips-Con't.

WARNING

Do not cover the vehicle while the charger is connected. Dangerous levels of hydrogen gas could accumulate.

9. If the vehicle is not going to be connected to the charger for an extended period, please contact your authorized dealer for assistance. Cover the vehicle with a vehicle cover. Do not use plastic or coated materials. They do not allow enough ventilation to prevent condensation, may promote corrosion and oxidation.

Removal from Storage

1. Inspect all battery connections. Please contact your authorized dealer if you required assistance with electrical and/or battery servicing. Verify that batteries are fully charged.
2. Verify that tire pressure is at specification.
3. Perform the pre-ride inspection. See Page 38.
4. Inspect and verify the tightness of the bolts, nuts and other fasteners.

SPECIFICATIONS

	411 Flat Bed
Dry Weight-Flatbed/Pickup/Cargo Box	2300/2350/2650 lbs. (1043/1065/1202 kg)
Length	146 in. (370 cm)
Width	55 in. (139 cm)
Height	75 in. (190 cm)
Wheelbase	70.8 in. (180 cm)
Turning Circle/Radius	126 in. (320 cm)
Payload Capacity (occupants, cargo, options)	1100 lbs. (498 kg)
Gross Vehicle Weight Rating (GVWR) (Page 13)	3000 lbs. (1356 kg)
Gross Axle Weight Rating (GAWR), Front and Rear	1228 lbs. (557 kg)
Seating	2
Performance	
Motor	10 kW AC electric
Controller	AEV Technologies 240A AC Controller
Maximum speed	25 MPH (40 km/h)
Range	Varies with conditions
Drive System	17.05:1 Single speed
On-board charger	Standard 3 kW, 120/240V input
Brake System	
Brakes	4-Wheel hydraulic brakes, disc front, disc rear
Park Brake	Center mounted lever-activated mechanical park brake
Front suspension	Transverse leaf spring
Rear suspension	Torsion beam w/coil over shock
Tires	175/65R14 all season radial
Tire pressure	36 psi (250 kPa)

WARRANTY

LIMITED WARRANTY

AEV Technologies, Inc., gives a TWO-YEAR/8,000-MILE (12,875 km), whichever comes first, LIMITED WARRANTY on all components (except batteries) of your Club Car vehicle against defects in material or workmanship. Mileage is unlimited for the first 6 months of the vehicle warranty. Any time after month 6, the vehicle warranty expires at 8,000 miles (12,875 km) or at the end of the two-year period, whichever comes first. This warranty covers the parts and labor charges for repair or replacement of defective parts and begins on the date of purchase by the original retail purchaser. This warranty is transferable to another consumer during the warranty period through a Club Car dealer, but any such transfer will not extend the original term of either warranty. The duration of this warranty and/or the battery warranty may vary by international region based upon local laws and regulations.

LEAD ACID BATTERY PACK LIMITED WARRANTY

Battery coverage in this Limited Warranty begins on the date of purchase by the original retail purchaser and continues for TWO-YEARS or 16,000 miles (25,741 km), whichever comes first. Mileage is unlimited for the first 6 months of the battery warranty. Any time after month 6, the battery warranty expires at 16,000 miles (25,741 km) or at the end of the two-year period, whichever comes first. During this time period, AEV Technologies, Inc. warrants your vehicle's batteries against defects in materials or workmanship. After the first six months in service, a defective battery will be replaced on a manufacturer/customer shared basis provided that the warranty limit of 16,000 miles (25,741 km) has not yet occurred. Review the table below for guidelines.

TERM FOR VEHICLES WITH LESS THAN 16,000 MILES (25,741 km)	WARRANTY COVERAGE FOR LEAD ACID BATTERIES DEEMED DEFECTIVE BY CLUB CAR
Purchase Date - 6th Month of Service	100% of the cost of an approved AEV Technologies, Inc. battery at a Club Car dealer
7th - 12th Month of Service	75% of the cost of an approved AEV Technologies, Inc. battery at a Club Car dealer
13th - 18th Month of Service	50% of the cost of an approved AEV Technologies, Inc. battery at a Club Car dealer
19th - 24th Month of Service	25% of the cost of an approved AEV Technologies, Inc. battery at a Club Car dealer

WARRANTY

Registration

At the time of sale, the Warranty Registration Form must be completed by your dealer and submitted to AEV Technologies, Inc. within three days. Upon receipt of this registration, AEV Technologies, Inc. will record the registration for warranty. No certification of registration will be sent to the purchaser as the copy of the Warranty Registration Form will be the warranty entitlement. If you have not signed the original registration and received the customer copy, please contact your dealer immediately. NO WARRANTY COVERAGE WILL BE ALLOWED UNLESS YOUR VEHICLE IS REGISTERED WITH AEV TECHNOLOGIES, INC. Initial dealer preparation and set-up of your vehicle is very important in ensuring trouble-free operation. Purchasing a vehicle in the crate or without proper dealer set-up will void your warranty coverage.

WARRANTY COVERAGE AND EXCLUSIONS FOR LIMITED WARRANTY AND BATTERY PACK WARRANTY

LIMITATIONS OF WARRANTIES AND REMEDIES

This AEV Technologies, Inc. limited warranty excludes any failures that are not caused by a defect in material or workmanship. THIS WARRANTY DOES NOT COVER CLAIMS OF DEFECTIVE DESIGN. This warranty also does not cover acts of God, accidental damage, normal wear and tear, abuse or improper handling. This warranty also does not cover any vehicle, component, or part that has been altered structurally, modified, neglected, improperly maintained or used for racing, competition or purposes other than for which it was designed, or for any damages which occur during trailer transit or as a result of unauthorized service or the use of unauthorized parts.

This warranty excludes damages or failures resulting from: improper lubrication; corrosion, surface imperfections caused by external stress, heat, cold or contamination; operator error or abuse; improper component alignment, tension, adjustment or altitude compensation; snow, water, dirt or other foreign substance contamination; improper maintenance; modified components; use of aftermarket or unapproved components, accessories or attachments; unauthorized repairs; or repairs made after the warranty period expires or by an unauthorized repair center.

WARRANTY

LIMITATIONS OF WARRANTIES AND REMEDIES

This warranty excludes damages or failures caused by abuse, accident, fire, explosion, or any other cause other than a defect in materials or workmanship and provides no coverage for consumable components, general wear items, or any parts exposed to friction surfaces, stresses, environmental conditions and/or contamination for which they were not designed or not intended, including but not limited to the following items:

- Wheels and tires
- Finished and unfinished surfaces
- Suspension components
- Upholstery
- Brake components
- Lubricants
- Seat components
- Sealants
- Clutches and components
- Hydraulic components and fluids
- Steering components
- Circuit breakers/Fuses
- Batteries
- Bushings/Bearings
- Electronic components
- Light bulbs/Sealed beam lamps

The battery coverage included in this warranty provides no coverage for:

- Batteries that fail due to lack of battery maintenance, over-charging, under-charging, abuse or neglect
- Batteries that fail due to fire, wreckage, explosion, or freezing
- Broken batteries
- Batteries damaged by defective chargers
- Batteries to which an additive is added
- Batteries which have been improperly stored and allowed to discharge
- Any battery pack with a mixture of code dates or with other manufacturer's products
- Any battery improperly installed or with loose or corroded hardware

This warranty provides no coverage for personal loss or expense, including mileage, transportation costs, hotels, meals, shipping or handling fees, product pick-up or delivery, replacement rentals, loss of product use, loss of profits, or loss of vacation or personal time.

WARRANTY

LIMITATIONS OF WARRANTIES AND REMEDIES

The exclusive remedy for breach of this warranty shall be, at AEV Technologies, Inc.'s sole option, repair or replacement of any defective materials, components or products. THE REMEDIES SET FORTH IN THIS WARRANTY ARE THE ONLY REMEDIES AVAILABLE TO ANY PERSON FOR BREACH OF THIS WARRANTY. AEV TECHNOLOGIES, INC. SHALL HAVE NO LIABILITY TO ANY PERSON FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY DESCRIPTION, WHETHER ARISING OUT OF EXPRESS OR IMPLIED WARRANTY OR ANY OTHER CONTRACT, NEGLIGENCE, OTHER TORT OR OTHERWISE. THIS EXCLUSION OF CONSEQUENTIAL, INCIDENTAL, AND SPECIAL DAMAGES IS INDEPENDENT FROM AND SHALL SURVIVE ANY FINDING THAT THE EXCLUSIVE REMEDY FAILED OF ITS ESSENTIAL PURPOSE.

THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXCLUDED FROM THIS LIMITED WARRANTY. ALL OTHER IMPLIED WARRANTIES (INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY) ARE LIMITED IN DURATION TO THE ABOVE ONE-YEAR/8,000-MILE (12,875 KILOMETERS) PERIOD. AEV TECHNOLOGIES, INC. DISCLAIMS ALL EXPRESS WARRANTIES NOT INCLUDED IN THIS WARRANTY STATEMENT. SOME STATES DO NOT PERMIT THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR ALLOW LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU IF INCONSISTENT WITH CONTROLLING STATE LAW.

HOW TO OBTAIN WARRANTY SERVICE

If your vehicle requires warranty service, you must take it to a Club Car-authorized Dealer. When requesting warranty service, you must present your copy of the Warranty Registration Form to the dealer. (THE COST OF TRANSPORTATION TO AND FROM THE DEALER MAY BE YOUR RESPONSIBILITY). AEV Technologies, Inc. suggests that you use your original selling dealer; however, you may use any Club Car Servicing Dealer to perform warranty service.

In the country where your product was purchased:

Warranty or Service Bulletin repairs must be done by an authorized Club Car dealer. If you move or are traveling within the country where your product was purchased, Warranty and Service Bulletin repairs may be requested from any authorized Club Car dealer that sells the same line as your product.

Outside the country where your product was purchased:

If you are traveling temporarily outside the country where your product was purchased, you should take your product to an authorized Club Car dealer. You must show the dealer photo identification

from the country of the selling dealer's authorized location as proof of residence. Upon residence verification, the servicing dealer will be authorized to perform the warranty repair.

WARRANTY

HOW TO OBTAIN WARRANTY SERVICE

If you move:

If you move to another country, be sure to contact AEV Technologies, Inc. Customer Assistance and the customs department of the destination country before you move. Product importation rules vary considerably from country to country. You may be required to present documentation of your move to AEV Technologies, Inc. in order to continue your warranty coverage. You may also be required to obtain documentation from Club Car in order to register your product in your new country. You should warranty register your product at a local Club Car dealer in your new country immediately after you move to continue your warranty coverage and to ensure that you receive information and notices regarding your vehicle.

If you purchase from a private party:

If you purchase a Club Car vehicle from a private party, to be kept and used outside of the country in which the product was originally purchased, all warranty coverage will be denied. You must nonetheless register your product under your name and address with a local Club Car dealer in your country to ensure that you receive safety information and notices regarding your product.

WARRANTY

Exported Products

EXCEPT WHERE SPECIFICALLY REQUIRED BY LAW, THERE IS NO WARRANTY OR SERVICE BULLETIN COVERAGE ON THIS PRODUCT IF IT IS SOLD OUTSIDE THE COUNTRY OF THE SELLING DEALER'S AUTHORIZED LOCATION. This policy does not apply to products that have received authorization for export from AEV Technologies, Inc. Dealers may not give authorization for export. You should consult an authorized dealer to determine this product's warranty or service coverage if you have any questions. This policy does not apply to products registered to government officials or military personnel on assignment outside the country of the selling dealer's authorized location. This policy does not apply to Safety Bulletins.

Notice

If your product is registered outside of the country where it was purchased, and you have not followed the procedure set above, your product will no longer be eligible for warranty or service bulletin coverage of any kind, other than safety bulletins. Products registered to government officials or military personnel on assignment outside of the country where the product was purchased will continue to be covered by the Limited Warranty.

Please work with your dealer to resolve any warranty issues. Should your dealer require any additional assistance, they will contact the appropriate person at AEV Technologies, Inc.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state or in different countries. If any of the above terms are void because of federal, state, local law, all other warranty terms will remain in effect.

MAINTENANCE LOG

Use the following chart to record periodic maintenance.

DATE	MILES (KM) OR HOURS	TECHNICIAN	SERVICE PERFORMED / COMMENTS

INDEX

A

B

Batteries, 18, 28-32, 38, 51-53, 55, 56, 58, 59
Battery Charging, 31
Battery Disposal, 53
Battery Performance, 28
Brake and Accelerator Pedal, 27
Brake Fluid, 44
Brake Indicator, 26
Brake Inspection, 45

C

Cargo Limit Warning, 13
Cleaning Seats, 54
Cleaning the Exterior, 54
Cleaning the Interior, 54
Cleaning Windshields, 54
Club Car Customer Service, 4

D

Doors, 34
Driving in Reverse, 40
Driving on Slippery Surfaces, 40
Driving Procedure, 39

E

Electrical Cord and Plug, 30
Extension Cord, 29-31

F

Fog lights, 23
Front and Rear Driving Lights, 23
Fuses and Relays, 46

G

Gear Shifter, 25
Gross Vehicle Weight Rating (GVWR), 8, 16, 57

H

Hood, 37
How To Obtain Warranty Service, 61

I

Indicator Lamps, 26
Interior Lights, 33

K

Key Switch, 22

L

Lights, 23, 43, 50

M

Maintenance, 42-56, 64

O

On-Board Charger, 28

P

Park Brake Lever, 27
Parking on an Incline, 41
Periodic Maintenance Chart, 43
Pre-Ride Inspection, 38

R

Replacement Key, 8

S

Seat Adjustment, 34
Seat Belts, 17, 35, 36
SPECIFICATIONS, 57
Speedometer, 26
Standard Charge Receptacle, 30
Steering Wheel Inspection, 45
Stereo System, 37
Storage, 53-56
Storing, 55

T

Tire Pressure, 14, 20, 47, 48, 55, 56
Tire Tread Depth, 48
Tires, 47
Towing, 41
Transporting the Vehicle, 41

Turn Signal, 24, 50

V

Vehicle Identification Number (VIN), 4, 8, 9

W

Warning Labels, 10

Warranty, 17, 41, 55, 58-63

Wheel Installation, 50

Wheel Nut Torque, 48

Wheel Removal, 49

Windshield Washer, 37

Windshield Wipers, 24