WARNING:

This instruction manual should be read completely and carefully before attempting to drive or service this car. Failure to follow the instructions in this manual could result in severe personal injury or death.

NOTE: If this vehicle is equipped as a Fairway Villager four-passenger vehicle, supplements to this manual are required. If this information does not accompany this manual, contact CLUB CAR, INC., Customer Service and request the Fairway Villager supplement.

Safety Details:

It is important to note that some statements throughout this manual are preceded by the words DANGER, WARNING, CAUTION or NOTE. We recommend that you take special notice of these safety procedures for your protection. Safety procedures are essential and must be followed.

DANGER:

A danger indicates an immediate hazard which will result in severe personal injury or death.

WARNING:

A warning indicates an immediate hazard which could result in severe personal injury or death.

CAUTION:

A caution indicates hazards or unsafe practices which could result in minor personal injury or product or property damage.

NOTE: A note provides key information to make procedures easier or clearer.

The safety procedures listed below must be followed whenever the car is being repaired or serviced. Other specific warnings appear throughout this manual.

WARNING:

Only trained people should repair or service this car. Everyone doing even simple repairs or service should follow the correct procedures and obey the warnings listed in this manual as well as the maintenance and service manual.

Always wear safety glasses or eye protection when servicing the car.

Always use insulated tools when working around batteries or electrical connections.

Improper use of this vehicle or the failure to maintain it could result in decreased vehicle performance or severe personal injury.

Any modification or change to the vehicle which affects the stability or increases the speed beyond the factory specifications could result in severe personal injury or death.

DANGER:

Gasoline/Battery Vapors — Flammable — Explosive — Do not smoke. Keep sparks and flames away from the area of the car. Only service in well-ventilated area.

Engines produce carbon monoxide which is an odorless, deadly poison. DO NOT OPERATE IN AN ENCLOSED AREA WITHOUT PROPER VENTILATION.

If any of the warning labels become damaged, have been removed or cannot be easily read, they should be replaced immediately. Contact your CLUB CAR Distributor/Dealer.
### Foreword

Congratulations for having chosen the finest golf car on the market today! Over 25 years of the most advanced development, engineering and field experience known to this industry has gone into the manufacture of your golf car. With your choice of the CLUB CAR Model DS Gasoline golf car as your personal or fleet vehicle, you have joined a select group of discriminating owners who look for the very best and who have shown their concern for safety, efficiency and long-term lasting value. This owner's manual is designed to instruct you, or anyone you may rent or loan the golf car to, in the safe operation of the CLUB CAR DS Gasoline golf car. In addition, this manual will acquaint you with the normal preventive maintenance required in order to provide you safe, optimum vehicle performance.

If any repairs or service need to be performed, there are certain basic mechanical procedures that should be known and understood. Without such basic knowledge, repairs or service to this golf car may render the golf car unsafe which could result in severe personal injury or death. For this reason, we advise that all repairs and service be performed by an authorized CLUB CAR Distributor/Dealer or representative except as specified in the Periodic Service Schedule. Should you require further information, please contact your nearest CLUB CAR Distributor/Dealer who can provide you with technical advice, service, parts, or the CLUB CAR DS Gasoline Golf Car Maintenance and Service Manual. For the name and address of your nearest CLUB CAR Distributor/Dealer, contact CLUB CAR, INC., P. O. Box 4658, Augusta, Georgia 30917-4658, U.S.A., Telephone: 404/863-3000.

The Club Car Limited Warranty appears on the inside back cover of this manual. No other warranties express or implied are contained herein. Your Distributor/Dealer has checked your car(s) prior to delivery to you and will provide you with a completed warranty registration card.

CLUB CAR, INC., shall not be liable for errors contained herein or for incidental or consequential damages which result from the use of the material in this manual.

This manual should be considered a permanent part of this vehicle. It should stay with the vehicle when sold to provide the next owner with important operating, safety, and maintenance information.
Vehicle Feature

OPERATING INSTRUCTIONS LABEL

OPERATING INSTRUCTIONS
- Study And Understand Controls. Be Sure Everyone Is Seated.
- Before Driving Car, Read Safety Warnings Located Above Pedals.
- Make Sure Wheels Are Turned In Desired Direction.
- Be Sure Nothing Is In Your Path.
- Turn Key To ON Position.
- Select Direction By Placing Shift Lever In Desired Position:
  - F: Forward
  - N: Neutral
  - R: Reverse
- Slowly Push Accelerator Pedal To Increase Speed. Park Brake Will Release When Accelerator Pedal Is Pedaled.
- To Stop Car, Release Accelerator Pedal And Push Brake Pedal.
- After Stopping Car, Firmly Push Park Brake Until It Locks.
- Remove Key And Place Shift Lever In The Straight Up Neutral Position When Car Is Not In Use.
- For Further Details, Read Owner's Manual.

PARK BRAKE PEDAL

BRAKE PEDAL

OIL WARNING LIGHT

GOLF ETIQUETTE LABEL

PRÁCTICE GOLF ETIQUETTE
- Drive Slowly Up & Down Slopes.
- Set Park Brake Before Leaving Vehicle.
- Remove Key When Vehicle Is Not In Use.
- Place Shift Lever In Neutral When Vehicle Is Not In Use.

ON-OFF LABEL
(UNDER KEY SWITCH)

SERIAL NUMBER

ACCELERATOR PEDAL

ACCESS DOOR

SAFETY WARNING LABEL

WARNING
- Read Operating Instructions Before Using Vehicle.
- Never Stand In Front Or Behind Vehicle.
- Vehicle Should Only Be Operated By Trained Person.
- Do Not Use On Public Roads.
- Only Two Persons Per Seat.
- Operate Vehicle From Driver's Side Only.
- Do Not Start Vehicle Until All People Are Seated.
- Remain Seated & Hold On In Moving Vehicle.
- Stop Vehicle Before Changing Direction. Buzzer Will Sound In Reverse.
- Drive Slowly In Tunnels.

WARNING
- Hazardous Fuel
- Moving Parts
- Safety Warning Label

ACCESS DOOR MOVING PARTS WARNING LABEL (UNDER DOOR)

WARNING MOVING PARTS
Identification

**GOVERNOR WARNING LABEL**

- Governor's factory adjusted for 14 mph Max. Do Not Adjust With Adjustment to increase speed above 14 mph. Do not trick out the engine.
- 2 may result in damage to the engine or components. It could result in severe personal injury.

**DANGER**
- Gasoline - Extremely Flammable.
- Keep away from Sparks and Open Flames Away From Fuel Tank And Fuel Lines.
- Do Not Add Fuel While Engine Is Running Or Hot.
- Service By Trained Personnel.

**FILL LABEL (UNDER FUEL CAP)**

**GASOLINE TANK DANGER LABEL (ON BODY)**

**OIL LEVEL DECAL**

**BATTERY DANGER LABEL (ON FRAME)**

**FRAME GROUND WARNING LABEL (ON FRAME)**

**FORWARD-REVERSE LEVER**

**NEUTRAL LOCK-OUT CAM**

**CHOOSE**
Model Identification:
The serial number of your CLUB CAR is stamped on a data plate mounted on the frame directly under
the right dash (Example: AG9005-123456).

NOTE: Always mention this number when ordering parts or making inquiries
(See Figure 1).

Safety Committee:
If the golf car is going to be rented or is part of a fleet, we strongly recommend
that a safety committee be appointed. One of the main concerns of this
committee should be the safe operation of the golf cars. This includes such
things as where the golf cars should be driven, who should and who should
not drive the golf cars, instructing all first time drivers in the controls and
operation of the golf car, seeing that the golf cars are well maintained in
safe driving condition and how the various rules are to be enforced. The
safety committee should include all these items at a minimum and such
others as the committee feels necessary or appropriate.

Pre-Operation Checklist:
Your CLUB CAR has been thoroughly inspected and adjusted by the factory and by your CLUB CAR Distributor/
Dealer. However, when receiving your new CLUB CAR(s) you should become familiar with its controls and
operation and carefully inspect each car to be satisfied with its condition before accepting delivery.

WARNING:
Only trained people should repair or service this car. Everyone doing even simple repairs or service
should follow the correct procedures and obey the warnings listed in this manual as well as the maintenance
and service manual.
Always wear safety glasses or eye protection when servicing the car.

Use this checklist as a guide to inspect your car. Any problems must be corrected only by your CLUB CAR
Distributor/Dealer or a trained mechanic.

Visual Inspection - Look for the following on your vehicle:

General:
All the parts should be in place and properly installed. Be sure that all nuts, bolts and screws
are tight. All hose clamps should be tight. Check the starter belt for tightness.

Warning Labels:
Check that all warning and operation labels are in place (See Pages 2 & 3).

Tires:
Check tire pressure. It should be 12-14 psi.

Engine:
Check for proper engine oil level (See Page 12). Be sure spark plug wire is in clamp on top of
engine.

Fuel:
Check fuel level (See Fueling Instructions - Page 5).

CAUTION:
Be sure the plastic has been removed from the bottom of the seat before operating vehicle. Failure
to do so may result in a fire or property damage.
Performance Inspection - After you have familiarized yourself with the car's controls (See Page 5) and have read and understood the driving instructions (See Page 7), take the car for a short test drive. Check the following:

- **Brakes:**
  Be sure that the brakes work properly. Both rear wheels should brake properly and the pedal should not go more than halfway to the floor. If it does, have brakes adjusted.

- **Park Brake:**
  The park brake should lock the wheels when latched and should release when the accelerator or brake pedal is pushed.

- **Steering:**
  The car should be easy to steer and should not have free play in the steering wheel.

- **Accelerator Pedal:**
  As the accelerator pedal is pushed, the engine should start and the car should come smoothly up to full speed. When the pedal is released it should return to the original position and the engine should stop gradually.

- **Governor:**
  Check the speed of the car. It should run 12-14 MPH on a level surface.

- **General:**
  Listen for any unusual noises such as squeaks or rattles. Check the car's ride and performance. Have a trained mechanic investigate anything unusual.

**WARNING:**

Any modification or change to the vehicle which affects the stability or increases the speed beyond the factory specifications could result in severe personal injury or death.

**Fueling Instructions:**

**DANGER:**

GASOLINE - FLAMMABLE - EXPLOSIVE - NO SMOKING

Keep sparks and flames from the area of the car. Only service or repair in well-ventilated area. Never pour gasoline into tank while engine is hot or running.

To avoid electric arc caused by static electricity, the fuel storage/pumping device must be grounded. If pump is not grounded, the vehicle must be grounded to the pump before and during the fueling operation.

1. Lift and remove seat bottom.
2. Fuel tank is located on passenger side of car. Remove fuel cap and fill the fuel tank with regular or unleaded gasoline. Do not use gasohol or gasolines with methyl alcohol blends.

**CAUTION:**

To allow for expansion, do not fill higher than one (1) inch from top of tank.

**DANGER:**

Be sure to clean up any spilled gas before operating vehicle.

3. Replace fuel cap on tank, being sure cap is tightly sealed to tank.
4. Replace seat bottom.
Controls:

**WARNING:**
If renting or loaning this car, make sure that the driver is familiar with all controls and operating instructions before allowing the car to be driven.

Key Switch - The key switch is mounted on the dash to the right of the steering column (See Figure 2). It has two (2) positions, “on” and “off” which are clearly labeled. Remove key in the “off” position only.

**WARNING:**
Turn key switch to “off” and remove key when car is not in use to avoid unintentional starting of the car.

Forward-Reverse Control - The forward-reverse shift lever is located below and to the right of the driver’s right knee on the seat support panel (See Figure 3). The lever has three (3) distinct positions: F (forward), N (neutral), and R (reverse). Rotate the lever toward the driver (F) to run the car in forward and toward the passenger (R) to run the car in reverse. When the lever is in the straight up or neutral (N) position, the car will not run and the engine will stop if shifted to this position while running.

**WARNING:**
Do not shift forward and reverse lever while car is in motion. Always bring car to a full stop before shifting lever to avoid injury to an unsuspecting passenger and damage to the car.

Turn key switch “off” and place shift lever in neutral when leaving car to avoid unintentional starting of the car.

Buzzer will sound as a warning when car is in reverse.

Neutral Lock-Out - The golf car has a neutral lock-out circuit that prevents the driver from starting the car in neutral. If the car is started in forward or reverse and shifted to neutral the engine stops running.

For the convenience of the trained and experienced mechanic, there is a neutral lock-out cam located on the back of the forward and reverse lever. If the neutral lock-out cam is pulled out approximately $\frac{3}{4}$ of an inch and rotated one half turn until it snaps into place, the cam will be in the SERVICE position (See Figure 4). This will allow the mechanic to run the car in neutral for certain maintenance procedures. With the cam in this position the car will not run if the forward and reverse lever is placed in the forward or reverse positions. To put the car back into the OPERATE position, pull the cam out approximately $\frac{3}{4}$ of an inch and rotate it one half turn until it snaps back into place (See Figure 5).

**WARNING:**
With cam in SERVICE position, car may move suddenly if forward and reverse lever is shifted or accidentally bumped while engine is running.

Block front and rear wheels to prevent vehicle movement.

NOTE: If car will not run, check to be sure neutral lock-out cam is in OPERATE position.
Accelerator Pedal - The accelerator pedal is the pedal on the right with the word “GO” molded in it (See Figure 6). When the key switch is “on” and the shift lever is in either forward or reverse and the accelerator pedal is pushed, the parking brake will be automatically released and the engine will start. As the pedal is pushed further, the engine speeds up and the car will begin to move in the preselected direction (forward or reverse). Push the accelerator pedal further to increase vehicle speed. When the accelerator pedal is released, the engine will stop running.

NOTE: For safety, the DS Gasoline car is equipped with a governor to control the maximum speed and is set for 12-14 MPH on a level surface.

The accelerator pedal differs from that of an automobile in the following way: Depressing the accelerator will release the parking brake if engaged. Depressing the accelerator automatically starts the vehicle moving. Each time the accelerator pedal is released, the engine will quit running.

WARNING:

Do not tamper with the car’s governor. To do so will void the limited warranty, result in damage to engine and other components and could result in severe personal injury due to unsafe speeds.

Brake Pedal - The brake pedal is the large pedal on the left with the word “STOP” molded in it (See Figure 7). To slow or stop the car, push the brake pedal with your right foot.

Parking Brake Pedal - The parking or park brake pedal is the small raised portion in the upper left corner of the brake pedal with the word “PARK” molded in it (See Figure 7). The words “Park Brake” are marked above this pedal. To set the park brake, push the brake pedal firmly and tilt the park brake portion of the pedal forward with foot (See Figure 8).

The park brake pedal will release when the accelerator or brake pedal is pushed. The parking brake has many locking teeth so that the brake can be locked in several positions.

WARNING:

Always set the park brake firmly before leaving the golf car to prevent the car from rolling.
Choke - The choke is located below and to the left of the driver's left knee on the seat support panel (See Figure 9). If on a cool morning the car is hard to start, simply push in the choke cover with your left hand to activate the choke. Release the choke after the engine starts and runs smoothly.

Oil Light - The DS Gasoline golf car is equipped with a dash mounted oil light above the steering column (See Figure 10). When the oil light is on, it indicates low engine oil. Oil should be added before further use. The car should never be driven if the oil light comes on and stays on. If the oil light goes on and off, you may proceed, but add oil at the first opportunity. If the oil level is correct and light stays on, have a trained and experienced mechanic check the car.

Driving Instructions:

No one should drive the golf car without first being instructed in the proper operation and use of the golf car controls. An experienced operator should accompany each first time driver on a short test drive before they operate the golf car alone. Only licensed drivers should be allowed to drive this vehicle. Do not drive under the influence of alcohol, drugs or medications.

**WARNING:**

If renting or loaning this golf car, make sure the driver is familiar with all controls and operating procedures before allowing the car to be driven.

This car is not specially equipped for handicapped persons. Be sure all persons can properly operate the car prior to allowing them to drive.

To insure safe operation of the DS Gasoline golf car, follow all of the procedures listed below exactly and in order. Read and understand all instructions prior to driving the car.

Starting the Car:

1. Enter the car.
2. Be sure everyone is seated.
3. Study and understand controls.
4. Read safety warnings located above pedals.
5. Make sure wheels are turned in desired direction.
6. Be sure nothing is in your path.
7. Turn key to “on” position.
8. Select direction by placing shift lever in desired position F = forward or R = reverse.
9. Slowly push accelerator pedal. The park brake pedal will release and the engine will start. Push accelerator further and the car will move and the speed will increase as the accelerator is depressed until governed speed is reached.

**WARNING:**

No more than two people should be on the vehicle at one time.

Stop car before shifting forward and reverse lever. Failure to do so could result in injury to an unsuspecting passenger and damage to the golf car.

A buzzer will sound as a warning when the car is in reverse.
WARNING:

When Driving The Car:
- Operate the car from the driver’s seat only.
- Remain seated in moving car and hold on to prevent falls.
- Keep arms, legs, feet and entire body inside car to prevent getting them caught between the golf car and the ground or other objects.
- Drive slowly in turns and drive slowly straight up and down slopes to prevent turning the vehicle over.
- Reduce speed for poor driving conditions such as wet grass or rough terrain to avoid losing control of the car.
- Do not use on public roads. This car is not designed or intended for street use and should not be licensed for use on public roads.
- Obey all local rules concerning golf cars.
- Cars should be driven only in specified areas by trained people.

Stopping the Car:
1. To stop the car, release the accelerator pedal and push the brake pedal with your right foot.

CAUTION:

When stopped on a hill, use the brake pedal to hold your position, not the accelerator pedal.

WARNING:

Driving through deep water may affect the brakes. Check their effectiveness by pressing the brake pedal gently. If the car does not slow down at the normal rate, continue to apply the brakes gently until they dry out and normal performance returns.

Parking and Leaving the Car:
1. After stopping the car, firmly push park brake pedal until it locks. This will prevent the car from rolling.
2. Turn the key to “off” and place shift lever in the straight up “neutral” position when leaving the car. This avoids unintentional starting of car. Remove key when car is not in use.

WARNING:

To avoid being struck by vehicle, do not stand in front of or behind vehicle.

Towing and Transporting:
Towing - All CLUB CARS are equipped with tow bar attaching points both front and rear. For breakdown towing and single-car towing, a light-duty tow bar is available. For multi-car towing, a heavy-duty tow bar is available. Observe all of the following warnings and precautions when towing.

WARNING:

Never tow a golf car on public streets or highways.
Use only approved CLUB CAR tow bars.
Extreme caution should be used when towing any golf car.
WARNING:
Do not exceed five (5) miles per hour towing speed.
Do not tow more than one (1) car with another CLUB CAR.
If more than one car must be towed, a properly fitted vehicle with tow hitch height of 11 inches should be used. Only heavy-duty tow bars should be used for multi-car towing. Never tow more than five (5) cars at one time.
Do not allow people in cars being towed.
Avoid sudden starts, stops and tight turns.
Turn key switch “off” and place shift lever in neutral when car is in tow.

Transporting On A Trailer - If your golf car must be transported over long distances or on public highways, it should be done on an approved trailer observing all the following warnings and precautions.

WARNING:
For use on public roads the trailer must meet all federal, state and local requirements such as taillights, brake lights, etc.
Always use an approved trailer that has a load rating of 1200 lbs. per golf car. (Example: A 2-car trailer should be rated at 2 x 1200 = 2400 lbs.).
The golf car should be securely tied down to the trailer. The golf car’s key switch should be “off”, the shift lever in “neutral” and the park brake firmly applied and locked.
When towing a trailer, normal speeds should be reduced and care should be used when turning a corner due to the added length of the trailer.
Never tow a golf car behind a passenger vehicle or truck unless it is on an approved trailer.
Remove the windshield before transporting a golf car on a trailer.

Storage:
To prepare your golf car for extended off season storage:

WARNING:
Turn key switch “off”, remove key and place forward and reverse lever in neutral position to avoid unintentional starting of the vehicle.

1. Store in a cool place. This will prevent self discharge of the battery. If the battery appears to be weak, have it charged by a trained mechanic.

WARNING:
Batteries in low state of charge will freeze at low temperatures.

WARNING:
Do not attempt to charge a battery if it is frozen or the case is bulged.
Discard battery. Frozen batteries can explode.

2. Using a siphon with a suction device (See Figure 11), drain all of the gas out of the tank into an approved gasoline container.

WARNING:
Never attempt to siphon gasoline using a hose without a built-in suction device.
Never attempt to siphon gasoline using your mouth.

Figure 11
Gasoline - Flammable - Explosive - Do Not Smoke. Keep sparks and flames away from area of cars.

Do not attempt to drain gasoline while engine is running or hot.

Store gasoline only in an approved gasoline container in a well-ventilated area. Keep out of reach of children. Keep sparks, fire and flames away from area of gasoline.

Engines produce carbon monoxide which is an odorless, deadly poison. DO NOT OPERATE IN AN ENCLOSED AREA WITHOUT PROPER VENTILATION.

3. Be sure the tank has been drained and the stored gasoline has been removed from the area. Place the forward and reverse lever in “neutral”. Place neutral lock-out cam in the SERVICE position. Turn key on. Run the engine until all of the gasoline has been drawn out of the fuel lines and carburetor and engine stalls. Return neutral lock-out cam to the OPERATE position. Turn the key switch to the “off” position and remove key.

4. To protect the engine, remove the spark plug and pour ½ ounce of SAE 10 weight oil into the engine through the spark plug hole. Rotate the engine several times and then reinstall the spark plug.

   NOTE: When restarting engine, it may smoke excessively due to the oil added in step 4.

5. Increase the tire pressure to 20 psi.

6. Grease front suspension and do all quarterly periodic lubrication shown in lubrication chart (See Page 12).

7. Thoroughly clean body, seats and underside of car.

8. Do not latch the park brake. Block the wheels to prevent the car from rolling.

To Return Stored Cars To Service:

1. Fill the gas tank with regular or unleaded gasoline (See Fueling Instructions - Page 5).

DANGER:

Gasoline — Flammable — Explosive — No Smoking. Keep sparks and flames from the area of the car. Only service or repair in well-ventilated area. Never pour gasoline into tank while engine is hot or running. Do not overfill. Be sure to clean up any spilled gas before operating vehicle.

2. Readjust tire pressure to 12-14 psi.

3. Perform the pre-operation checks (See Page 4) before returning the car to service.

Maintenance:

General Information - To be sure you have a trouble-free car, it is very important to follow an established preventive maintenance program. This is the least expensive maintenance requirement. Preventive maintenance means regularly scheduled services which include certain maintenance procedures that are performed on the cars even though the cars are functional. A good preventive maintenance program can prevent more expensive repairs from being required. Any car that is not functioning correctly should be removed from use until it is properly repaired.

Contact your local CLUB CAR Distributor/Dealer to perform all repairs and the semi-annual and annual periodic service.

WARNING:

Only trained people should repair or service this car. Everyone doing even simple repairs or service should follow the correct procedures and obey the warnings listed in this manual as well as the maintenance and service manual.

Turn key switch “off”, remove key, and place forward and reverse lever in neutral position prior to servicing.

Always wear safety glasses or eye protection when servicing this car.
**WARNING:**

Moving parts - Do not attempt to service the car with engine running.

Hot - Do not attempt to service hot engine or exhaust system. Can cause extreme burns.

Remove spark plug wire to avoid unintentional starting of engine when servicing car.

Do not wear loose clothing and remove jewelry, such as rings, watches, chains, etc., before servicing vehicle.

Always use insulated tools when working around batteries or electrical connections.

### Periodic Service Schedule:

<table>
<thead>
<tr>
<th>Regular Interval</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Daily Service by Owner</strong></td>
<td>Check steering and linkages</td>
</tr>
<tr>
<td></td>
<td>Check brake operation</td>
</tr>
<tr>
<td></td>
<td>Check to be sure all warning labels are in place (see Pages 2 and 3)</td>
</tr>
<tr>
<td></td>
<td>Check tires for wear and damage</td>
</tr>
<tr>
<td></td>
<td>Check engine for proper operation</td>
</tr>
<tr>
<td></td>
<td>Check accelerator/governor linkage for free movement and return</td>
</tr>
<tr>
<td></td>
<td>Check reverse warning buzzer for proper operation</td>
</tr>
<tr>
<td></td>
<td>Check engine air intake screen to be sure it is not clogged</td>
</tr>
<tr>
<td></td>
<td>Check to be sure park brake latches and releases properly</td>
</tr>
<tr>
<td><strong>Weekly Service by Owner</strong></td>
<td>Check speed of vehicle</td>
</tr>
<tr>
<td></td>
<td>Clean battery terminals and wash dirt off battery case</td>
</tr>
<tr>
<td></td>
<td>Wash engine and underside of car</td>
</tr>
<tr>
<td></td>
<td>Check all electrical wires and grounds for tightness or damage</td>
</tr>
<tr>
<td></td>
<td>Inspect car for loose hardware and tighten as required</td>
</tr>
<tr>
<td></td>
<td>Check all daily items listed above</td>
</tr>
<tr>
<td><strong>Monthly Service by Owner</strong></td>
<td>Check exhaust system for leaks</td>
</tr>
<tr>
<td></td>
<td>Check brake pedal play</td>
</tr>
<tr>
<td></td>
<td>Check tire pressure and adjust to 12-14 psi</td>
</tr>
<tr>
<td></td>
<td>Check air intake expansion chamber for leaks</td>
</tr>
<tr>
<td></td>
<td>Check engine oil level</td>
</tr>
<tr>
<td></td>
<td>Check fuel tank, lines, cap, pump and carburetor for fuel leakage</td>
</tr>
<tr>
<td></td>
<td>Check all daily and weekly items listed above</td>
</tr>
<tr>
<td><strong>Quarterly Service by Owner</strong></td>
<td>Do quarterly lubrication as shown in lubrication chart on Page 12</td>
</tr>
<tr>
<td>or Trained Personnel</td>
<td>Check all daily, weekly and monthly items listed above</td>
</tr>
<tr>
<td>(Every 100 Rounds or every 50 hours of</td>
<td></td>
</tr>
<tr>
<td>operation)</td>
<td></td>
</tr>
<tr>
<td><strong>Semi-Annual Service by</strong></td>
<td>Check, clean and adjust brakes</td>
</tr>
<tr>
<td>Trained Personnel Only</td>
<td>Check front wheel alignment</td>
</tr>
<tr>
<td>(Every 200 Rounds or every 100 hours</td>
<td>Check air filter</td>
</tr>
<tr>
<td>of operation)</td>
<td>Check spark plug wire and boot for damage and proper routing</td>
</tr>
<tr>
<td></td>
<td>Check head gasket and exhaust header/pipe flange connection gasket</td>
</tr>
<tr>
<td></td>
<td>Check starter/generator belt tension</td>
</tr>
<tr>
<td></td>
<td>Check condition of muffler</td>
</tr>
<tr>
<td></td>
<td>Inspect drive belt</td>
</tr>
<tr>
<td></td>
<td>Do semi-annual lubrication as shown in lubrication chart on Page 12</td>
</tr>
<tr>
<td></td>
<td>Check all daily, weekly, monthly and quarterly items listed above</td>
</tr>
<tr>
<td><strong>Annual Service by Trained</strong></td>
<td>Replace fuel filters</td>
</tr>
<tr>
<td>Personnel Only</td>
<td>Inspect starter/generator brush length</td>
</tr>
<tr>
<td>(Every 200 Rounds or every 100 hours</td>
<td>Inspect, clean and regap spark plug</td>
</tr>
<tr>
<td>of operation)</td>
<td>Do annual lubrication as shown in lubrication chart on page 12</td>
</tr>
<tr>
<td></td>
<td>Check all items listed above</td>
</tr>
</tbody>
</table>

**WARNING:**

If your periodic service inspection reveals any problems, do not operate until repairs are made. Failure to make necessary repairs could result in fire, severe personal injury or death.
Periodic Lubrication Schedule and Lubrication Chart:

<table>
<thead>
<tr>
<th>Regular Interval</th>
<th>Service</th>
<th>Recommended Lubricant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quarterly by</td>
<td>1. Brake shaft bearing</td>
<td>Dry Graphite Lube</td>
</tr>
<tr>
<td></td>
<td>Owner or CLUB CAR part kt1012151</td>
<td>CLUB CAR part #1012151</td>
</tr>
<tr>
<td></td>
<td>2. Brake linkage and pivots</td>
<td>Dry Graphite Lube</td>
</tr>
<tr>
<td></td>
<td>CLUB CAR part #1012151</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. Accelerator push rod pivots</td>
<td>Dry Graphite Lube</td>
</tr>
<tr>
<td></td>
<td>CLUB CAR part #1012151</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4. Throttle and governor pivots</td>
<td>Dry Graphite Lube</td>
</tr>
<tr>
<td></td>
<td>CLUB CAR part #1012151</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5. Front suspension (9 fittings)</td>
<td>Chassis Lube</td>
</tr>
<tr>
<td>Semi-Annually by</td>
<td>6. Check/fill drive unit to plug level</td>
<td>80-90 WT. API Class GL-3 or 80-90 WT. AGMA Class 5 EP Gear</td>
</tr>
<tr>
<td>Trained Personnel Only</td>
<td></td>
<td>Lube</td>
</tr>
<tr>
<td></td>
<td>7. Check/fill transmission to plug level</td>
<td>80-90 WT. API Class GL-3 or 80-90 WT. AGMA Class 5 EP Gear</td>
</tr>
<tr>
<td>Annually by Trained</td>
<td>8. Inspect front wheel bearings</td>
<td>Chassis Lube</td>
</tr>
<tr>
<td>Personnel Only</td>
<td>and repack as necessary</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9. Change engine oil</td>
<td>SAE 10-40, 20-40, 10-50, 20-50, API Classification SF or SE</td>
</tr>
</tbody>
</table>

**Engine Oil:**

Engine oil level should be checked at least monthly. The oil light on the dash should warn you if your oil is getting low (See Figure 13).

**CAUTION:**

Engine must be in level position. Remove oil level gauge by unscrewing from crankcase. Check oil by inserting gauge into oil filler hole. Do not screw oil gauge in when checking. If oil does not reach the upper line (mark) of the gauge, add oil until it does. Do not overfill with oil. When oil is at proper level, screw oil gauge in and hand tighten securely.

---

**Figure 12**

**Figure 13**

**DO NOT screw oil gauge in when checking oil.**

Full Mark

Low Oil Mark
Capacities:

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Crankcase</td>
<td>40 oz.</td>
</tr>
<tr>
<td>Transmission</td>
<td>20 oz.</td>
</tr>
<tr>
<td>Drive Unit</td>
<td>22 oz.</td>
</tr>
<tr>
<td>Gasoline Tank</td>
<td>7.4 U.S. Gal.</td>
</tr>
<tr>
<td>Tire Pressure</td>
<td>12-14 psi</td>
</tr>
</tbody>
</table>

Battery:

**WARNING:**
Always wear safety glasses or eye protection when servicing the car.
Always use insulated tools when working around batteries or electrical connections.

**DANGER:**
Battery - Explosive Gases. Keep sparks, flames, cigarettes away. Ventilate when charging in an enclosed space.
Poison - Contains acid - Causes severe burns - Avoid contact with skin, eyes or clothing.
Antidotes:
- External - Flush with water. Call physician immediately.
- Internal - Drink large quantities of milk or water, follow with milk of magnesia or vegetable oil. Call physician immediately.
- Eyes - Flush with water for 15 minutes. Call physician immediately.

The battery in the DS Gasoline is a 12 volt, maintenance free battery that does not require periodic watering of the battery (See Figure 14).

Any corrosion around the positive (+) or negative (-) terminals should be washed off with a solution of baking soda and water. Rinse. Be sure terminals are tight. Let the terminals dry and then spray them with CLUB CAR battery protector spray, part #1014305.

Be sure battery holddowns are properly tightened. Torque to 9-14 in.-lbs. A loose holddown may allow the battery to become damaged from vibration or jarring. A holddown that is too tight may buckle or crack the battery case.

If battery appears weak, have it charged by a trained mechanic.

**Jump Starting The Engine:**
To start a car with a dead battery, use another battery of the same voltage, and proper jumper cables.

**WARNING:**
Always wear safety glasses or eye protection when servicing the car.

Procedures other than those which follow could cause severe injury or death from battery acid spray, explosion, or charging system overload.

Never connect to the negative post of the “Dead” battery, connect to frame (See Figure 15).
Never allow the two cars to touch each other.
Never allow the jumper cable clamps to touch each other.
Never lean over the battery when making connections.
Place forward and reverse lever in neutral position, place neutral lock-out cam in the SERVICE position.

To connect the jumper cables, follow these steps exactly and in order (See Figure 16):

1. Connect one end of red jumper cable to positive (+) terminal of the stalled battery.
2. Connect other end of red jumper cable to positive (+) terminal of booster battery.
3. Connect one end of black jumper cable to negative (–) terminal of booster battery.
4. Connect other end of black jumper cable to stalled car frame away from gasoline and battery as in Figure 15.

To remove the cables, reverse the above procedures exactly.

Cleaning:

The CLUB CAR is equipped with a reaction injection molded plastic cowl and a compression molded fiber reinforced plastic body.

Use only mild dishwashing liquid soap with a sponge or soft cloth for normal cleaning.

Minor scratches or blemishes in the body can be buffed out using most commercially available polishing compounds and polishes.

Your golf car seat will last longer with proper cleaning. Mild soap or detergent with a sponge or soft cloth for normal cleaning is recommended. For stubborn or imbedded dirt, a soft bristle brush may be used.

Do not use any harsh detergents or cleaning solvents on the body, cowl or seat.

Battery acid, fertilizers, tars, asphalt, creosote, paint or chewing gum should be removed immediately to prevent possible stains.

Subsequent Owner Registration:

In the event that this vehicle has been bought as a used car from another individual or from a distributor/dealer, re-registration is necessary. This will enable us to contact you if the need arises. Please send your name, address and serial number(s) of the car(s) to CLUB CAR, INC., P.O. Box 4658, Augusta, GA 30917-4658, ATTN: Vehicle Registration.
### DS Gasoline Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length</td>
<td>91.25&quot;</td>
</tr>
<tr>
<td>Overall Width</td>
<td>47.25&quot;</td>
</tr>
<tr>
<td>Overall Height</td>
<td>46&quot;</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>65.5&quot;</td>
</tr>
<tr>
<td>Ground Clearance</td>
<td>4.5&quot;</td>
</tr>
<tr>
<td>Front Wheel Tread</td>
<td>34.5&quot;</td>
</tr>
<tr>
<td>Rear Wheel Tread</td>
<td>38.5&quot;</td>
</tr>
<tr>
<td>Weight</td>
<td>622 lbs., dry</td>
</tr>
<tr>
<td>Speed</td>
<td>12-14 MPH, governed</td>
</tr>
<tr>
<td>Curb to Curb Clearance Circle</td>
<td>17'6&quot;</td>
</tr>
<tr>
<td>Braking Distance</td>
<td>14' at 12 MPH</td>
</tr>
<tr>
<td>Engine</td>
<td>4-cycle, 341 cc, 8.5 hp single cylinder, air cooled</td>
</tr>
<tr>
<td>Carburetor</td>
<td>Float bowl with fixed jets and impulse fuel pump</td>
</tr>
<tr>
<td>Governor</td>
<td>Internally geared in transmission</td>
</tr>
<tr>
<td>Ignition</td>
<td>CDI electronic ignition</td>
</tr>
<tr>
<td>Drive Unit</td>
<td>Double reduction helical gear with 12.64 to 1 final ratio</td>
</tr>
<tr>
<td>Transmission</td>
<td>Forward, reverse, and neutral, fully synchronized</td>
</tr>
<tr>
<td>Steering</td>
<td>Self-adjusting rack and pinion</td>
</tr>
<tr>
<td>Suspension</td>
<td>Front and rear tapered mono-leaf springs with dual hydraulic shock absorbers</td>
</tr>
<tr>
<td>Torque Converter</td>
<td>Automatic, variable speed, dry type</td>
</tr>
<tr>
<td>Frame-Chassis</td>
<td>Twin I-Beam welded aluminum</td>
</tr>
<tr>
<td>Rear Body</td>
<td>Fiber reinforced plastic (compression molded)</td>
</tr>
<tr>
<td>Front Body</td>
<td>Reaction injection molded plastic</td>
</tr>
<tr>
<td>Paint</td>
<td>Two part epoxy synthetic enamel</td>
</tr>
<tr>
<td>Seating Capacity</td>
<td>2 persons</td>
</tr>
<tr>
<td>Electrical System</td>
<td>12 volt, 325 cold cranking amp battery and 35 amp charging capacity starter/generator</td>
</tr>
<tr>
<td>Brakes</td>
<td>Mechanical brake cable system to individual drum brakes on each rear wheel. Park brake is automatically released.</td>
</tr>
<tr>
<td>Tires</td>
<td>18.00 x 8.50-8.00 tubeless, 4-ply rated</td>
</tr>
<tr>
<td>Fuel Tank</td>
<td>7.4 gal. U.S., regular or unleaded</td>
</tr>
<tr>
<td>Standard Equipment</td>
<td>Rack and Pinion Steering, Ball Holder, Beverage Holders, Dual Dash Compartments, Scorecard and Pencil Holder, Reverse Warning Buzzer, Wear Resistant Floormats and Pedals, Front and Rear Bumpers, Side Rubber Rails, Two-Way Ignition Key, Automatic Release Park Brake, Quick Release Bag Strap Buckles, CDI Electronic Ignition System, Synchromesh Transmission with Forward, Reverse and Neutral; 12 volt 325 Cold Cranking Amp Battery, Neutral Lock-Out, Low Oil Level Warning Light, Fresh Air Intake System.</td>
</tr>
</tbody>
</table>

CLUB CAR, INC., reserves the right to change specifications and designs at any time without notice and without incurring any obligation or liability whatsoever.
CLUB CAR LIMITED TWO (2) YEAR WARRANTY

CLUB CAR, INC., "Manufacturer," warrants to the original retail purchaser that its new DS Golf Car purchased from Manufacturer or an authorized distributor or dealer is free from defects in materials and workmanship for a period of two (2) years from the date of purchase, subject to the terms and provisions contained herein.

This limited warranty covers materials and workmanship for a period of two (2) years from the date of purchase and repair labor costs for a period of one (1) year from the date of purchase. Such labor shall be performed only by Manufacturer, its authorized distributors or dealers, or a service agency approved by Manufacturer. If the Warranty Registration Form is not completed and returned to CLUB CAR at the time of the original retail sale, proof of date of purchase must be provided with any warranty claim. For further information or to present a warranty claim, contact Warranty Administrator, CLUB CAR, INC., P.O. Box 4658, Augusta, Georgia 30917-4658 U.S.A., (404) 863-3000.

Any implied warranty of merchantability or fitness for a particular purpose shall be void and excluded subsequent to two (2) years from the date of purchase.

The replacement or repair of the Golf Car or defective component thereof is the exclusive remedy under this written warranty or any implied warranty. The replacement or repair of the Golf Car or defective component thereof is the exclusive remedy under this written warranty or any implied warranty. Manufacturer makes no other representation or warranty of any kind, and no representative, employee, distributor or dealer of Manufacturer has the authority to make or imply any representation, promise or agreement which in any way varies the terms of this limited warranty.

LIMITED WARRANTY EXCLUSIONS

Without limiting the generality of the foregoing in any way, and as part of its limited warranty exclusions, Manufacturer does not warrant that its golf car is suitable for use on any particular golf course or terrain. As in the operation of any vehicle, a prudent driver will read and study the Owner's Manual, learn the proper operation of the controls, and exercise care and safe driving habits.

The provisions of this limited warranty shall not apply to:

(a) Normal maintenance services such as brake adjustments, steering and suspension adjustments, linkage adjustments, recommended lubrication, oil changes, and filter replacements.

(b) All accessory options, bag straps, battery wires and connectors, body panels and trim pieces, charger plugs and receptacles, decals, drive and generator belts, filters, floor mats, oils and lubricants, pedal pads, seats, spark plugs, fuses, tubes and hoses, and
c

(c) Tires, batteries and battery chargers (Warranted solely through their respective manufacturers).

Any warranty service which includes labor must be performed by Manufacturer, its authorized distributors or dealers, or a service agency approved by manufacturer.

This golf car is intended to be used by persons playing golf within the confines of a golf course and any other use renders the limited warranties expressed herein and all implied warranties null and void and same are hereby excluded.

Also excluded from this limited warranty are any and all incidental or consequential damages including, but not limited to, loss of use, loss of revenue, loss of time, or inconvenience. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages so the above limitations or exclusions may not apply to you.

WARRANTY LIMITATIONS

Manufacturer's liability shall be at its sole option to either replace or repair a defective golf car or component thereof. Replacement shall mean furnishing a new golf car or component thereof which is identical or reasonably equivalent to the warranted product at no cost to purchaser during the two (2) year limited warranty period except for repair labor costs after the first year. Repair shall mean remedying a defect in the golf car or component thereof at no cost to purchaser during the two (2) year limited warranty period except for repair labor costs after the first year. If Manufacturer elects to repair your golf car, it may use factory reconditioned parts or components.

Damage to a vehicle or component thereof not resulting from a defect or which occurs due to unreasonable or unintended use, overloading, abuse or neglect (including failure to provide reasonable or necessary maintenance as outlined in the Owner's Manual), accident or alteration, including increasing the speed beyond factory specifications or modifications which affect the stability of the vehicle or the operation thereof, is excluded from the limited warranty.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.