

# **YAMAHA**

**OWNER'S/  
OPERATOR'S  
MANUAL**

**GOLF CAR**

## **G1AM4**

**LIT-11626-04-47**

**J31-28199-10**

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# INTRODUCTION

Congratulations! Your choice of a Yamaha golf car assures you of the highest quality and dependability. Your Yamaha golf car is manufactured by a company well-known for excellence in the field of recreational vehicles, using the most advanced production equipment and technology. We are confident that this golf car will fully meet your needs. This manual is designed to acquaint you with the operation and minor maintenance required for satisfactory service of this golf car. Should major repairs ever be required, you are advised to consult your nearest Yamaha golf car dealer who will assure you of the best service. We hope that the information within this booklet will help you enjoy many hours of pleasure with your Yamaha golf car.

## NOTICE: \_\_\_\_\_

Some data in this manual may become outdated due to improvements made to this model in the future. If there is any question concerning this manual, consult your nearby Yamaha golf car dealer.

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OVERSEAS SERVICE  
OVERSEAS OPERATION  
YAMAHA MOTOR CO., LTD.

**G1-AM4 OWNER'S MANUAL**

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**1st Edition, September 1983**

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**LIT-11626-04-47**



**IMPORTANT:**

**PLEASE READ THIS MANUAL CAREFULLY AND COMPLETELY  
BEFORE OPERATING THIS VEHICLE.**

Particularly important information is distinguished in this manual by the following notations.

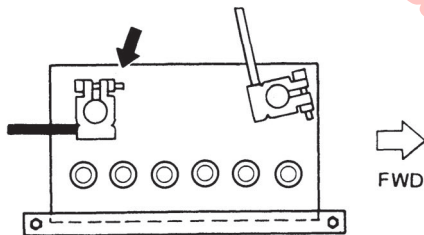
**NOTE:** A NOTE provides key information to make procedures easier or clearer.

**CAUTION:** A CAUTION indicates special procedures that must be followed to avoid damage to the machine.

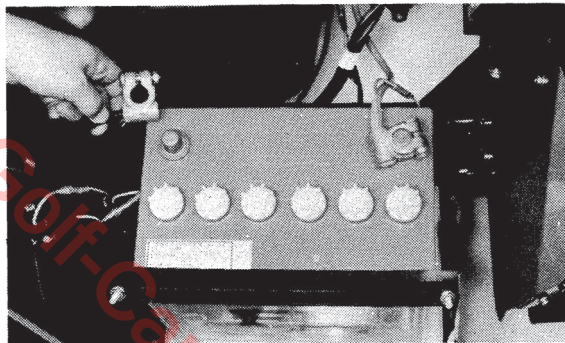
**WARNING:** A WARNING indicates special procedures that must be followed to avoid injury to a machine operator or person inspecting or repairing the machine.

## WARNING:

To prevent possible injury, disconnect the battery before working on the vehicle. Remove the negative battery cable as shown below.



Remove this battery cable before working on car.



## OPENING AND CLOSING OF THE REAR BODY

### 1) Opening the body

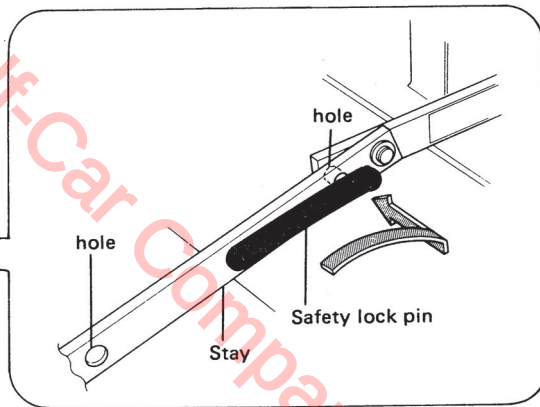
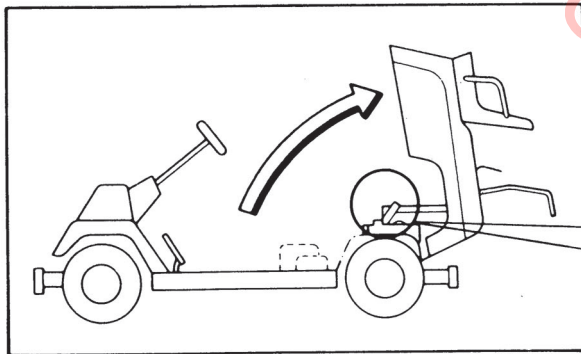
When checking the machine with the rear body opened, be sure to lock the body for safety by inserting the safety lock pin attached to the body stay into the hole in the other stay.

#### **WARNING:**

**Be sure to insert the safety lock pin into the hole.**

#### **NOTE:**

Depress the parking brake pedal when opening the body.

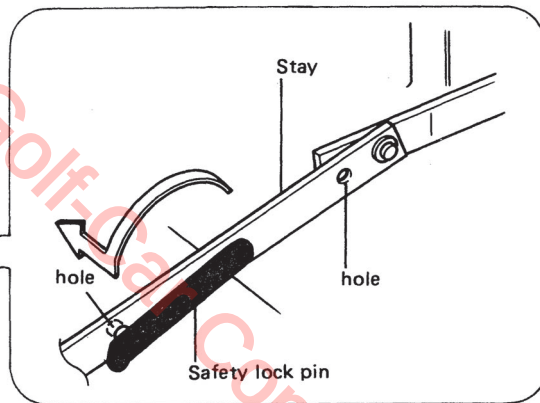
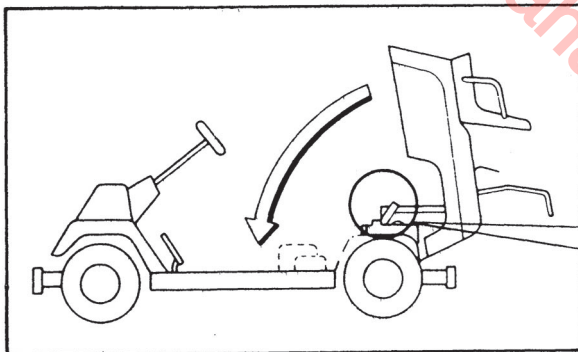


## 2) Closing the body

Pull out the safety lock pin and insert it into the original hole (home position), then close the body slowly.

### WARNING:

Don't lose your hold of the cowl, or it may fall down of its own weight and may be damaged.

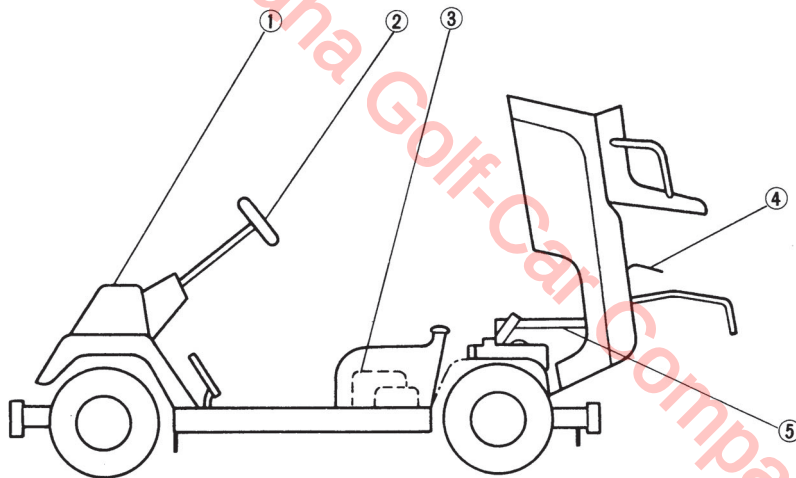


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# LOCATION OF THE “WARNING, CAUTION AND SPECIFICATION LABELS”



(Front cowl top)

①

### FOR YOUR SAFETY

- ALWAYS SET BRAKE BEFORE LEAVING CAR
- DRIVE SLOWLY ON HILLS, SLOPES & INCLINES
- AVOID SHARP QUICK TURNS
- ONLY 2 PASSENGERS ALLOWED
- KEEP FEET AND ARMS INSIDE CAR
- NO CHILDREN TO OPERATE CAR
- KEEP PROPER DISTANCE FROM GREENS, TEES & TRAPS
- OBSERVE CLUB RULES FOR CAR OPERATION

YOU ARE RESPONSIBLE FOR ANY DAMAGE  
TO THIS CAR WHILE IN YOUR POSSESSION

(Battery)

③

### POISON/DANGER CAUSES SEVERE BURNS

Contains sulfuric acid. -Avoid contact with skin, eyes or clothing. -Antidote: EXTERNAL-Flush with water. INTERNAL-Drink large quantities water or milk. Follow with milk of magnesia, beaten egg or veg. oil. Call physician immediately. Eyes: Flush with water for 15 minutes and get prompt medical attention. Batteries produce explosive gases. Keep sparks, flame, cigarettes away. Ventilate when charging or using in enclosed space. Always shield eyes when working near batteries.

KEEP OUT OF REACH  
OF CHILDREN

(Steering handle)

②

### OPERATING INSTRUCTIONS

- SELECT PROPER SWITCH POSITION BEFORE STARTING THE CAR.
- CAR STARTS AUTOMATICALLY WHEN ACCELERATOR PEDAL IS DEPRESSED, AND STOPS WHEN THE PEDAL IS FULLY RELEASED.
- SET PARKING BRAKE BY FIRMLY DEPRESSING THE TOP SECTION OF BRAKE PEDAL WHEN LEAVING CAR. BRAKE AUTOMATICALLY RELEASES WHEN ACCELERATOR PEDAL IS DEPRESSED.
- BRING CAR TO COMPLETE STOP BEFORE REVERSING DIRECTION.
- DRIVE STRAIGHT UP AND DOWN INCLINES.
- DRIVE SLOWLY WHEN MAKING SHARP TURNS.

### WARNING

THIS VEHICLE WAS NOT MANUFACTURED FOR USE  
ON PUBLIC STREETS AND DOES NOT COMPLY WITH  
FEDERAL MOTOR VEHICLE SAFETY STANDARDS  
APPLICABLE TO PASSENGER CARS.

(Fuel lid)

④

### NOTICE

USE STRAIGHT GASOLINE ONLY  
THIS CAR IS EQUIPPED WITH AUTOLUBE OIL INJECTION SYSTEM  
DO NOT USE A GASOLINE OIL MIX  
FILL WITH YAMAHA GOLF CAR OIL

- (A BIA, TC-W TYPE OIL CAN BE USED IF YAMAHA GOLF CAR OIL IS NOT AVAILABLE.)
- CHECK OIL TANK LEVEL PERIODICALLY.

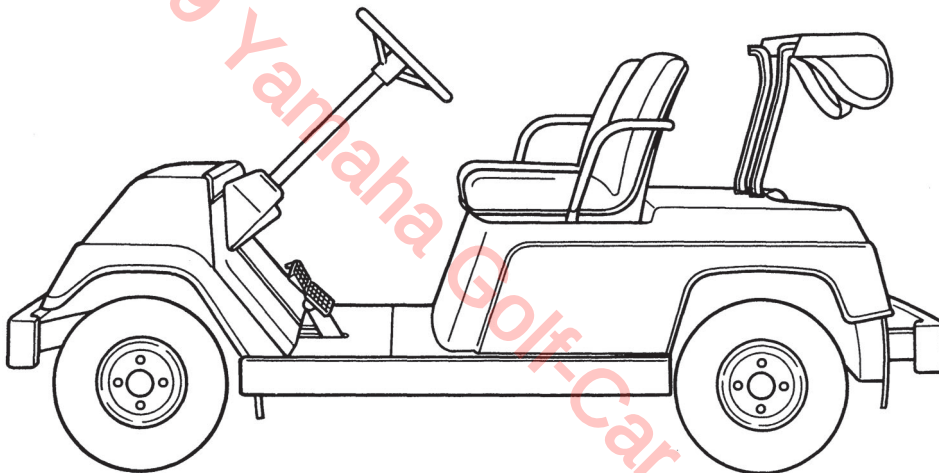
(Cowl supporting leg )

⑤

**WARNING** TO PREVENT ACCIDENTAL  
CLOSING OF BODY, INSERT PIN OR  
SCREWDRIVER IN HOLE



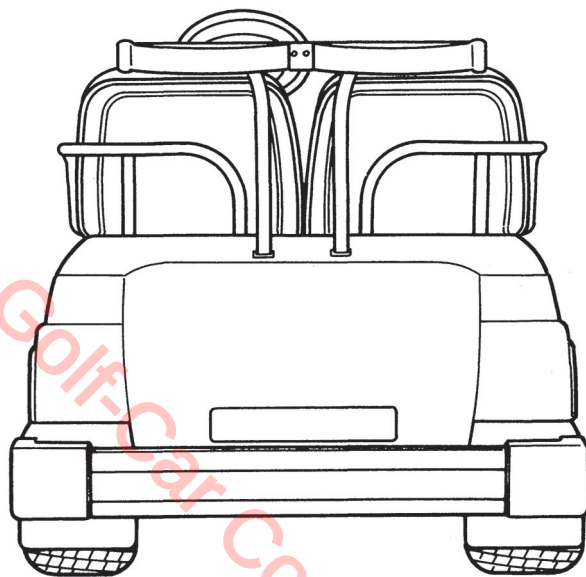
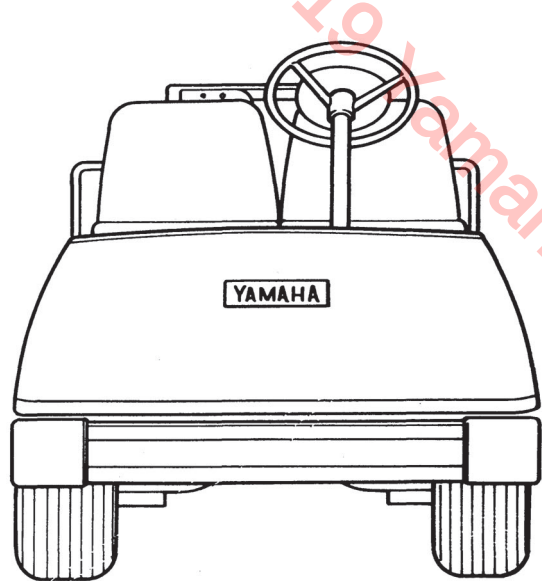
## DESCRIPTION

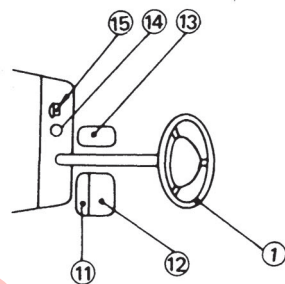
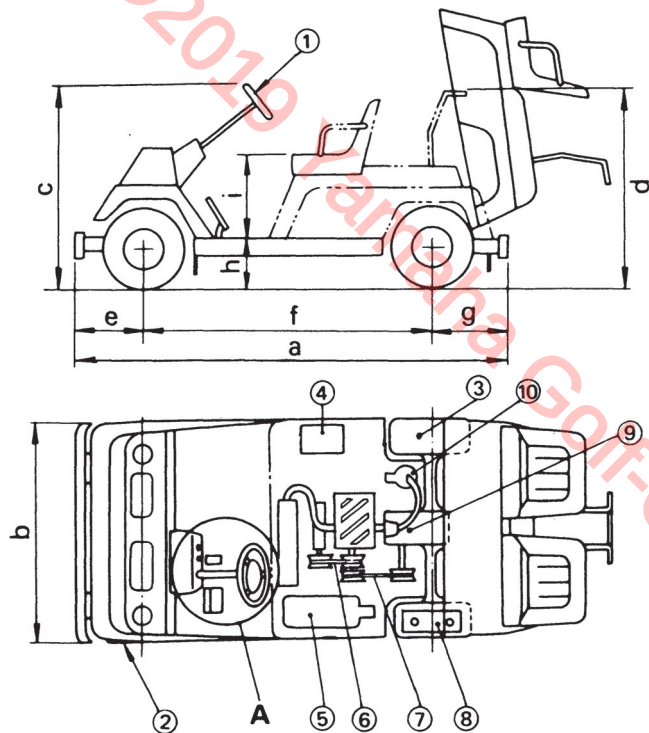


**NOTE:** \_\_\_\_\_

The golf car that you have purchased may differ partly in design and specifications from that shown in this photo.

\_\_\_\_\_





Expanded View of A

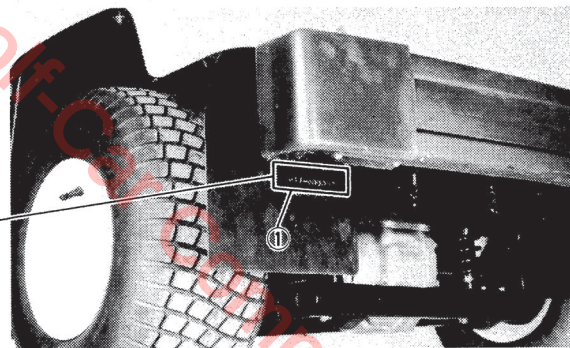
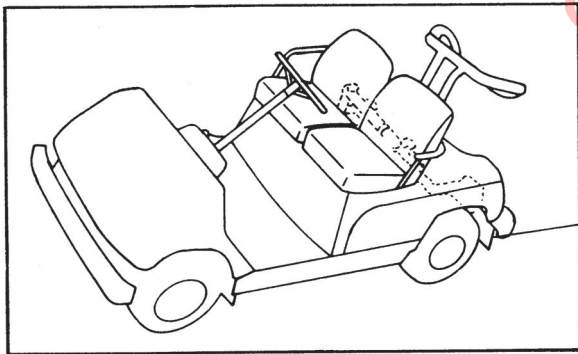
|    |                           |          |           |
|----|---------------------------|----------|-----------|
| a. | Overall length            | 2,430 mm | (94.6 in) |
| b. | Overall width             | 1,140 mm | (44.9 in) |
| c. | Steering height           | 1,180 mm | (46.5 in) |
| d. | Carrier height            | 1,100 mm | (43.3 in) |
| e. | Over-hang (front)         | 364 mm   | (14.3 in) |
| f. | Wheelbase                 | 1,550 mm | (61.0 in) |
| g. | Over-hang (rear)          | 489 mm   | (19.3 in) |
| h. | Height of floor           | 295 mm   | (11.6 in) |
| i. | Height of seat from floor | 428 mm   | (16.9 in) |

- ① Steering wheel
- ② Front wheel
- ③ Rear wheel
- Tire size (Tubeless)
- (Front) 18 x 8.50-8-4PR
- (Rear) 18 x 8.50-8-4PR
- ④ Battery
- ⑤ Fuel tank
- ⑥ Starter-generator belt
- ⑦ Drive belt
- ⑧ Oil tank
- ⑨ Transmission
- ⑩ Air cleaner
- ⑪ Parking brake pedal
- ⑫ Brake pedal
- ⑬ Accelerator pedal
- ⑭ Choke knob
- ⑮ Main switch

# CAR IDENTIFICATION

## Frame serial number

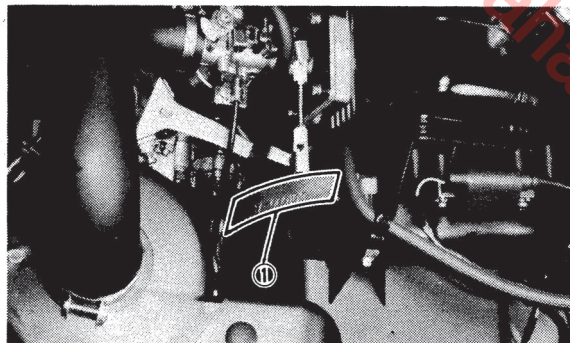
The frame serial number is located on the left-hand side of the rectangular pipe by the rear bumper. The first three digits identify the model. This is followed by a dash. The remaining digits identify the production number of the unit.



1. Frame serial number

### Engine serial number

The engine serial number is located on the right-hand side of the crankcase cover. The prefix indicates engine type and displacement. The prefix is followed by a dash and the serial number. Normally both frame and engine serial numbers are identical.



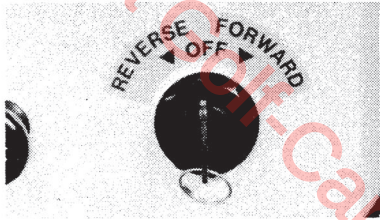
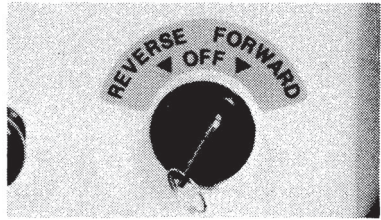
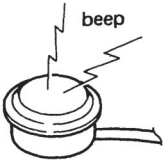
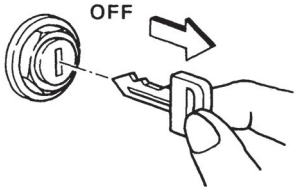
1. Engine serial number

# MAIN PARTS FOR OPERATION

## 1) Main switch

The main switch has three positions: Forward, Reverse, and Off. Turn to the right for the "Forward" position. Turn to the left for the "Reverse" position and the

back-up buzzer beeps for warning. Whenever the key is in the "OFF" position, the engine cannot be started and the key can be removed.

| REVERSE                                                                                             | OFF                                                                               | FORWARD                                                                            |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|                     |  |  |
| <br>Back-up buzzer |  |                                                                                    |



## 2) Accelerator pedal

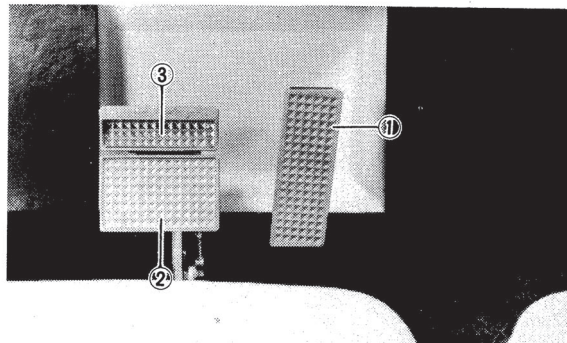
With the key in the Forward or Reverse position, depressing the accelerator pedal will start the engine and make the car move in the selected direction. When the accelerator pedal is released, the engine will stop and the car will coast to a halt.

## 3) Brake pedal

When the brake is depressed, the brakes will be applied in proportion to the force applied to the brake pedal.

## 4) Parking brake

The parking brake — above the regular brake pedal — functions as a lock on the regular brake. By depressing both at the same time, the parking brake is actuated. Depressing the accelerator pedal automatically releases the parking brake.

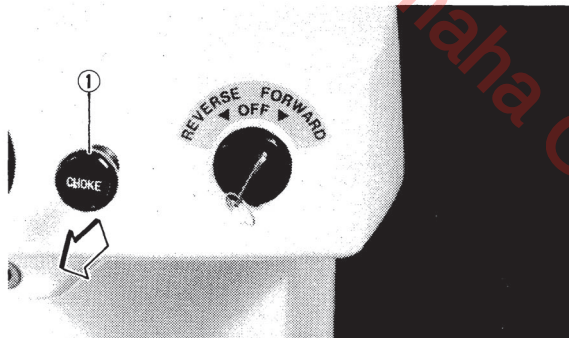


- 1. Accelerator pedal
- 2. Brake pedal
- 3. Parking brake



# 5) Choke knob

Use the choke knob when starting a cold engine. Pull out the choke knob and hold it in position until the engine responds correctly. Release the choke knob as the engine warms up.



1. Choke knob

# OPERATION INSTRUCTIONS

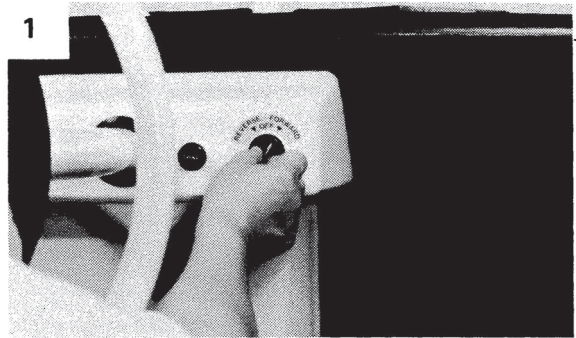
## 1) Driving

### a. Forward

Turn the main switch to "Forward". Slowly depress the accelerator pedal. The car will start to move off. Do not depress the accelerator pedal too sharply.

### WARNING:

- Do not depress the accelerator pedal before turning on the switch, or too sharply.
- Avoid starting or stopping abruptly; it's hard on the car and the turf.
- Avoid turning the steering wheel too sharply at high speed, an accident may result.



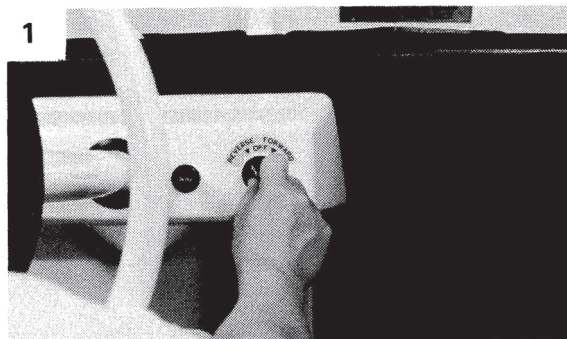
b. Reverse

Turn the main switch to "Reverse". When the main switch is turned to reverse, the back-up buzzer will sound. Slowly depress the accelerator pedal and the engine will start.

**CAUTION:** \_\_\_\_\_

Bring the car to a complete stop before changing directions.

\_\_\_\_\_



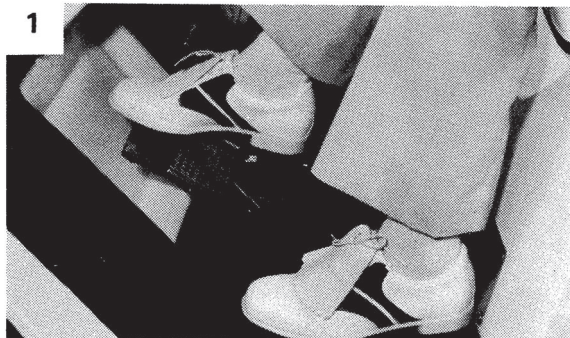
c. Starting on an upward slope

On an upward slope, set the parking brake, turn the main switch to "Forward" and depress the accelerator pedal.

**WARNING:**

**Always drive straight up or straight down inclines; never at an angle.**

1



2



3

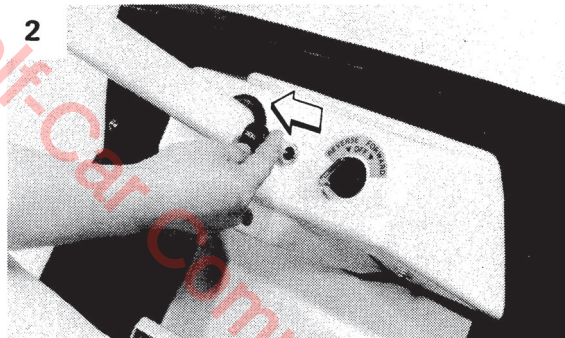


d. Choke

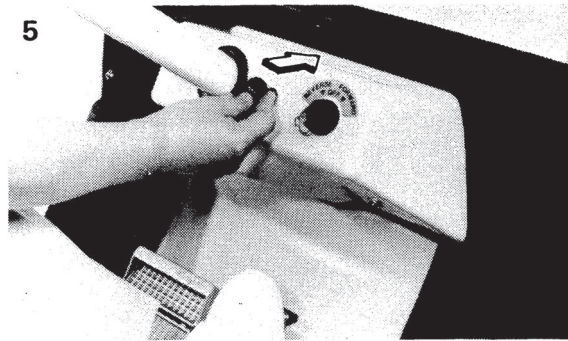
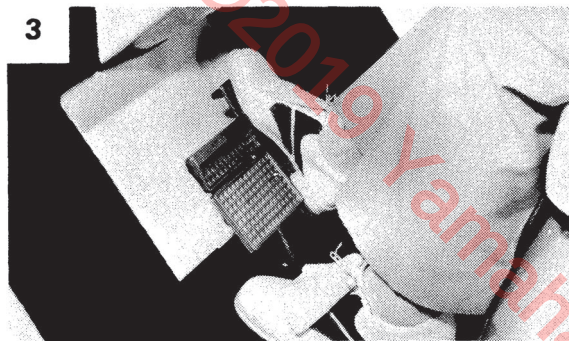
To start a cold engine, pull out the choke knob and hold it in position. Slowly depress the accelerator pedal. The car will start to move off. Push back the choke knob lightly to "OFF" position by the finger when the engine begins to respond correctly.

**CAUTION:**

Holding the choke knob for longer than necessary may result in a wet spark plug and consequent engine stoppage. Normally, the choke should be released after about one minute.







## 2) Stopping

To slow or stop the car, move your foot off the accelerator pedal and carefully depress the brake pedal as much as necessary.



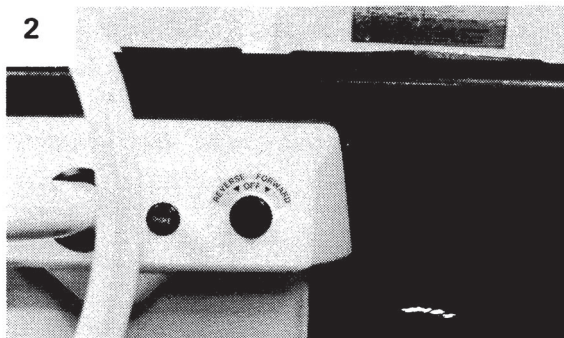
## 3) Parking

### a. Parking

Depress both the regular brake pedal and the parking brake pedal at the same time to actuate the parking brake.

### WARNING:

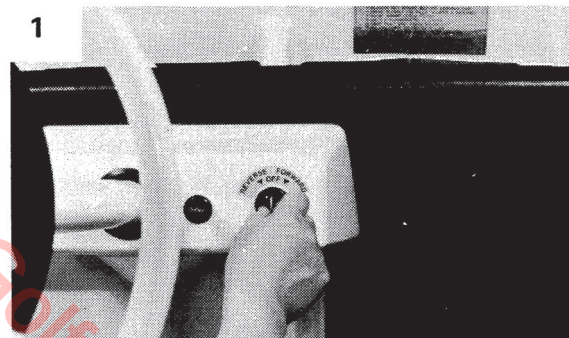
- Park the car on a level surface as much as possible.
- Do not leave car unattended unless the main switch is in the "OFF" position or key is removed and the parking brake is ON. Accidental movement of the accelerator pedal may cause the car to coast down an incline.



**b. Parking brake release**

To release the parking brake, depress the

accelerator slightly. If you do not want the engine to start, be sure that the main-switch is set to the off position.





## TIPS AND CAUTIONS

Driving the Yamaha golf car is very easy, even for beginners completely unfamiliar with golf car operation. However, special attention is required for safe operation when driving over varied terrain.

- \* Do not depress the accelerator pedal before turning on the main switch.
- \* Avoid starting or stopping abruptly; it's hard on the car and the turf.
- \* Avoid turning the steering wheel too sharply at high speed, an accident may result.
- \* Keep your hands on the wheel and your eyes on the path ahead.
- \* Always drive straight up or straight down inclines; never at an angle.
- \* When backing up, do so slowly, and watch where you are going.

- \* Park the car on a level surface as much as possible.
- \* Do not leave car unattended unless the main switch is in the "OFF" position or key is removed, and the parking brake is on. Accidental movement of the accelerator pedal may cause it to coast down an incline.
- \* Never allow more than two people to ride in the car.

## PRE-OPERATION CHECKS

Before using this golf car, check the following points.

| Procedure | Item              | Check point                                                                     | Refer to page |          |
|-----------|-------------------|---------------------------------------------------------------------------------|---------------|----------|
| 1         | Fuel tank         | Fuel level                                                                      | 30            | 75       |
| 2         | Oil tank          | Oil level                                                                       | 31            | 75       |
| 3         | Battery           | Fluid level                                                                     | 32            | 75       |
| 4         | Wheel             | Tire pressure<br>Cracks, damage, or hard objects embedded in tires              | 34            | 74       |
| 5         | Steering wheel    | Tightness, excess play<br>Handling<br>(Shaking, pulling to one side, stiffness) |               | 72       |
| 6         | Back-up buzzer    | Back-up warning alarm at "reverse" key position                                 | 9             | 74       |
| 7         | Choke             | Operation of choke wire                                                         | 15            | 73       |
| 8         | Brake pedal       | Play<br>Braking efficiency                                                      | 10<br>17      | 34<br>73 |
| 9         | Parking brake     | Braking efficiency and releasing timing                                         | 17            | 73       |
| 10        | Accelerator pedal | Easy operation and return                                                       | 10            | 73       |

| Procedure | Item          | Check point                                                                                             | Refer to page |
|-----------|---------------|---------------------------------------------------------------------------------------------------------|---------------|
| 11        | Miscellaneous | Installation of golf bag securing device. Any irregularities noticed during operation on the day before | 76            |

**NOTE:**

Pre-operation checks should be made each time the machine is used. Such an inspection can be thoroughly accomplished in a very short time; and the added safety it assures is more than worth the time involved.

## PERIODIC MAINTENANCE AND MINOR REPAIR

Periodic inspection and adjustment will keep your golf car in the safest and most efficient condition possible. Safety is an obligation of the golf car owner.

The most important points of inspection and adjustment are explained in the following.

### 1) Daily check

For best operation from a safety and maintenance standpoint, it is important that any car that is not functioning correctly be removed from use until it is properly repaired.

The only practical way to insure that any problem receives proper attention is to ask that the owner or whoever is responsi-

ble for moving the cars is aware of the proper “feel” of the car on such critical areas as BRAKE OPERATION, ACCELERATOR OPERATION, STEERING MOVEMENT AND PLAY, and other operator controls. Any function that does not have the proper “feel” should be inspected more closely.

The best way to insure that proper attention is given to these items is to impress upon the owner or the person who moves the cars that it is an important part of the service procedure, and if responsibly carried out, can improve safety and prevent customer dissatisfaction.

### **WARNING:**

If the owner is not familiar with golf car service, this work should be done by a Yamaha dealer.

## 2) Periodic maintenance table

| Item          | Check point                                                                                             | Interval    |              |              |              |               | Replace (years) | Refer to page |
|---------------|---------------------------------------------------------------------------------------------------------|-------------|--------------|--------------|--------------|---------------|-----------------|---------------|
|               |                                                                                                         | Pre-operate | After 1 mon. | After 3 mon. | Every 6 mon. | Every 12 mon. |                 |               |
| Steering:     |                                                                                                         |             |              |              |              |               |                 |               |
| Handle        | Tightness, excess play                                                                                  | ○           | ○            | ○            | ○            | ○             |                 | 72            |
|               | Handling (shaking, pulling to one side, stiffness)                                                      | ○           | ○            | ○            | ○            | ○             |                 |               |
| Gear box      | Oil leakage<br>Oil capacity:<br>150 cc (0.16 US qt)/<br>SAE 90 (with the front wheels steered straight) |             |              | ○            | ○            | ○             |                 | 56            |
|               | Tightness of bolts                                                                                      |             |              | ○            | ○            | ○             |                 |               |
| Rods and arms | Tightness, play, damage                                                                                 |             |              |              | ○            | ○             |                 |               |
|               | Wear on joints, and loose connections                                                                   |             |              |              |              | ○             |                 |               |
| Knuckle       | Tightness of joint                                                                                      |             |              |              | ○            | ○             |                 |               |
|               | Cracks                                                                                                  |             |              |              |              | ○             |                 |               |
| Steering      | Wheel alignment<br>Toe-in, 10 ~ 20 mm (Un loaded)<br>0 mm (fully loaded)                                |             |              |              |              | ○             |                 |               |
|               | Steering angle<br>Inward 40°, outward 30°                                                               |             |              |              |              | ○             |                 |               |
| Kingpin       | Play                                                                                                    |             |              |              |              | ○             |                 |               |
|               | Tightness                                                                                               |             |              |              |              | ○             |                 |               |

| Item                       | Check point                                                                                                       | Interval    |              |              |              |               | Replace (years) | Refer to page |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|-------------|--------------|--------------|--------------|---------------|-----------------|---------------|
|                            |                                                                                                                   | Pre-operate | After 1 mon. | After 3 mon. | Every 6 mon. | Every 12 mon. |                 |               |
| Braking:                   |                                                                                                                   |             |              |              |              |               |                 |               |
| Brake pedal                | Brake wire end play:<br>0.1 ~ 0.5 mm (0.004 ~ 0.02 in)                                                            | ○           | ○            | ○            | ○            | ○             |                 | 35            |
|                            | Braking efficiency                                                                                                | ○           | ○            | ○            | ○            | ○             |                 |               |
| Parking brake              | Braking efficiency and releasing timing                                                                           | ○           | ○            | ○            | ○            | ○             |                 | 14            |
|                            | Wear and damage to ratchet                                                                                        |             |              | ○            | ○            | ○             |                 |               |
|                            | Tightness and play of brake rod and cable, and damage to them<br>* Replace brake cable every 2 years.             |             |              | ○            | ○            | ○             | 2               |               |
| Brake drum and brake shoes | Wear on shoes and lining<br>Lining thickness: 4 mm (0.16 in)<br>Wear limit (minimum thickness):<br>1 mm (0.04 in) |             |              |              |              | ○             |                 |               |
|                            | Wear on drum and damage to it                                                                                     |             |              |              |              | ○             |                 |               |
| Undercarriage:             |                                                                                                                   |             |              |              |              |               |                 |               |
| Front axle                 | Cracks, deformation or any other damage                                                                           |             |              |              | ○            | ○             |                 |               |
| Rear axle housing          | Cracks, deformation or any other damage                                                                           |             |              |              | ○            | ○             |                 |               |
| Wheel                      | Tire pressure<br>0.8 kg/cm <sup>2</sup> (12.0 psi) both tires                                                     | ○           | ○            | ○            | ○            | ○             |                 | 34            |
|                            | Cracks, damage, or hard objects embedded in tires                                                                 | ○           | ○            | ○            | ○            | ○             |                 | 74            |

| Item                              | Check point                                                                                                  | Interval    |              |              |              |               | Replace (years) | Refer to page |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------|-------------|--------------|--------------|--------------|---------------|-----------------|---------------|
|                                   |                                                                                                              | Pre-operate | After 1 mon. | After 3 mon. | Every 6 mon. | Every 12 mon. |                 |               |
| Wheel                             | Tire groove depth and abnormal tread wear<br>Min. tire groove depth:<br>1.0 mm (0.04 in)                     |             | ○            | ○            | ○            | ○             |                 | 34            |
|                                   | Tightness of wheel nuts                                                                                      |             |              | ○            | ○            | ○             |                 |               |
|                                   | Damaged to wheel discs                                                                                       |             |              | ○            | ○            | ○             |                 |               |
|                                   | Play of front wheel bearing                                                                                  |             |              |              | ○            | ○             |                 |               |
|                                   | Play of rear wheel bearing                                                                                   |             |              |              | ○            | ○             |                 |               |
| Suspension:                       |                                                                                                              |             |              |              |              |               |                 |               |
| Shock absorber                    | Oil leakage                                                                                                  |             |              | ○            | ○            | ○             |                 |               |
|                                   | Coil spring cracks or damage                                                                                 |             |              | ○            | ○            | ○             |                 |               |
|                                   | Loose installation                                                                                           |             |              | ○            | ○            | ○             |                 |               |
|                                   | Function                                                                                                     |             |              |              |              | ○             |                 |               |
| Transmission:                     |                                                                                                              |             |              |              |              |               |                 |               |
| Primary sheave & secondary sheave | Operation and wear of sliding sheave                                                                         |             |              |              |              | ○             |                 |               |
|                                   | Run-out of sheaves                                                                                           |             |              |              |              | ○             |                 |               |
|                                   | Damage to springs                                                                                            |             |              |              |              | ○             |                 |               |
|                                   | Play of shaft bearings                                                                                       |             |              |              |              | ○             |                 |               |
|                                   | Operation of primary sheave cap weights                                                                      |             |              |              |              | ○             |                 |               |
|                                   | Wear on secondary sliding sheave ramp shoes<br>Ramp shoe wear limit (minimum thickness):<br>1.0 mm (0.04 in) |             |              |              |              | ○             |                 |               |



| Item            | Check point                                                                                                           | Interval    |              |              |              |               | Replace (years) | Refer to page |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|-------------|--------------|--------------|--------------|---------------|-----------------|---------------|
|                 |                                                                                                                       | Pre-operate | After 1 mon. | After 3 mon. | Every 6 mon. | Every 12 mon. |                 |               |
| Drive belt      | Slippage, wear, or scratches<br>Wear limit: 27 mm (1.06 in) width on outside of belt                                  |             |              |              |              | ○             |                 | 51            |
|                 | Tightness of speed limiter lever bolt                                                                                 |             |              |              |              | ○             |                 |               |
|                 | Operation and installation of speed limiter                                                                           |             |              | ○            | ○            | ○             |                 |               |
| Transmission    | Oil leakage and oil level<br>Oil level 800 cc (0.85 US qt)<br>* Replace oil every two years.                          |             |              | ○            | ○            | ○             | 2               | 56            |
|                 | Abnormal noise                                                                                                        |             |              |              |              | ○             |                 |               |
|                 | Installation                                                                                                          |             |              | ○            | ○            | ○             |                 |               |
| Rear axle       | Installation and excessive play                                                                                       |             |              |              | ○            | ○             |                 |               |
|                 | Distortion or cracks                                                                                                  |             |              |              |              | ○             |                 |               |
| Electrical:     |                                                                                                                       |             |              |              |              |               |                 |               |
| Ignition system | Spark plug, condition of electrodes<br>* Replace spark plug every year<br>Plug gap: 0.6 to 0.7 mm (0.024 to 0.028 in) |             |              | ○            | ○            | ○             | 1               | 50            |
|                 | Ignition timing<br>1.3 mm (0.051 in) B.T.D.C.<br>by dial indicator or timing light                                    |             |              |              |              | ○             |                 |               |
| Starter         | V-belt tension, tightness and damage.                                                                                 |             |              |              |              | ○             |                 | 54            |
|                 | Wear on brushes and dirty commutator<br>Min. brush length: 16 mm (0.63 in)                                            |             |              |              |              | ○             |                 |               |

| Item                                                                                  | Check point                                                                                | Interval         |              |              |              |               | Replace (years) | Refer to page |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------|--------------|--------------|--------------|---------------|-----------------|---------------|
|                                                                                       |                                                                                            | Pre-operate      | After 1 mon. | After 3 mon. | Every 6 mon. | Every 12 mon. |                 |               |
| Battery                                                                               | Fluid level                                                                                | ○                | ○            | ○            | ○            | ○             |                 | 32            |
|                                                                                       | Specific gravity of fluid<br>Specific gravity: 1.220 to 1.260                              |                  |              | ○            | ○            | ○             |                 | 32            |
| Accelerator switch                                                                    | Function of accelerator switch                                                             |                  |              |              |              | ○             |                 |               |
| Wiring                                                                                | Loose and damaged connections                                                              |                  |              | ○            | ○            | ○             |                 |               |
| Back-up buzzer                                                                        | Back-up warning alarm at "reverse" key position                                            | ○                | ○            | ○            | ○            | ○             |                 | 9             |
| NOTE: Keep high pressure water from all the electric parts; solenoids and connectors. |                                                                                            |                  |              |              |              |               |                 |               |
| Engine:                                                                               |                                                                                            |                  |              |              |              |               |                 |               |
| Engine                                                                                | Starting and abnormal noise                                                                |                  | ○            | ○            | ○            | ○             |                 |               |
|                                                                                       | Performance at low speeds and acceleration                                                 |                  | ○            | ○            | ○            | ○             |                 |               |
|                                                                                       | Condition of exhaust system and exhaust color                                              |                  | ○            | ○            | ○            | ○             |                 |               |
|                                                                                       | Condition of air cleaner element<br>foam cover<br>Wash it with solvent and allow it to dry |                  |              | ○            | ○            | ○             |                 |               |
|                                                                                       | Condition of air cleaner element ass'y<br>* Replace element as necessary.                  | Clean foam cover |              |              | ○            | ○             |                 |               |
|                                                                                       | Tightness of cylinder head                                                                 |                  |              |              |              | ○             |                 |               |
|                                                                                       | Compression pressure                                                                       |                  |              |              |              | ○             |                 |               |
|                                                                                       | Operation of throttle linkage                                                              |                  |              | ○            | ○            | ○             |                 |               |
|                                                                                       | Abnormal vibration; engine bracket<br>tensioner free play: 0.5 mm (0.02 in)                |                  |              |              |              | ○             |                 | 49            |

| Item               | Check point                                                                                                      | Interval    |              |              |              |               | Replace (years) | Refer to page |
|--------------------|------------------------------------------------------------------------------------------------------------------|-------------|--------------|--------------|--------------|---------------|-----------------|---------------|
|                    |                                                                                                                  | Pre-operate | After 1 mon. | After 3 mon. | Every 6 mon. | Every 12 mon. |                 |               |
| Fuel system        | Fuel leakage                                                                                                     |             | ○            | ○            | ○            | ○             |                 |               |
|                    | Clogging of fuel filter<br>Being a cartridge type, it cannot be disassembled.<br>* Replace filter every 2 years. |             |              | ○            | ○            | ○             | 2               |               |
|                    | Water or dirt in carburetor                                                                                      |             |              |              | ○            | ○             |                 |               |
|                    | Operation of throttle wire                                                                                       | ○           | ○            | ○            | ○            | ○             |                 | 40            |
|                    | Operation of choke wire                                                                                          | ○           | ○            | ○            | ○            | ○             |                 | 48            |
|                    | Carburetor float height 18 mm (0.7 in)                                                                           |             |              |              |              | ○             |                 |               |
|                    | Slow circuit adjustment:<br>Pilot screw (P.S.) 1.0 turn out                                                      |             |              | ○            | ○            | ○             |                 | 46            |
|                    | Idling speed adjustment:<br>Throttle stop screw (S.S.) 2.0 turn in                                               |             |              | ○            | ○            | ○             |                 | 47            |
|                    | Fuel level gauge on fuel tank                                                                                    | ○           |              |              |              |               |                 | 30            |
| Lubrication system | Damage to fuel pipes<br>* Replace fuel hose every 4 years.                                                       |             |              | ○            | ○            | ○             | 4               |               |
|                    | Damage to oil pipes and jet sensor hose<br>* Replace jet sensor hose every 2 years.                              |             |              | ○            | ○            | ○             |                 |               |
|                    | Oil leakage and oil filter clogging<br>Clean filter as necessary (visual inspection)                             |             | ○            | ○            | ○            | ○             |                 | 32            |
|                    | Oil level in oil tank                                                                                            | ○           |              |              |              |               |                 | 31            |

| Item          | Check point                                                    | Interval    |              |              |              |               | Replace (years) | Refer to page- |
|---------------|----------------------------------------------------------------|-------------|--------------|--------------|--------------|---------------|-----------------|----------------|
|               |                                                                | Pre-operate | After 1 mon. | After 3 mon. | Every 6 mon. | Every 12 mon. |                 |                |
| Miscellaneous | Oiling and greasing of pedal shafts and chassis                |             |              |              | ○            | ○             |                 |                |
|               | Installation of golf bag securing device                       | ○           | ○            | ○            | ○            | ○             |                 |                |
|               | Tightness of bolts, nuts and screws                            |             |              | ○            | ○            | ○             |                 |                |
|               | Any irregularities noticed during operation on the day before. | ○           |              |              |              |               |                 |                |

**NOTE:** \_\_\_\_\_

Be sure to perform periodic inspection for safe operation.

# OWNER SERVICING

## WARNING:

For any adjustments or repairs not mentioned in the preceding owner service section, take your golf car to the nearest Yamaha golf car service dealer.

### 1) Refueling

Check the fuel level gauge as often as necessary according to your usage of the golf car and fill the fuel tank if necessary. 4 ~ 5 rounds will consume approximately one gallon (3.8 lit).

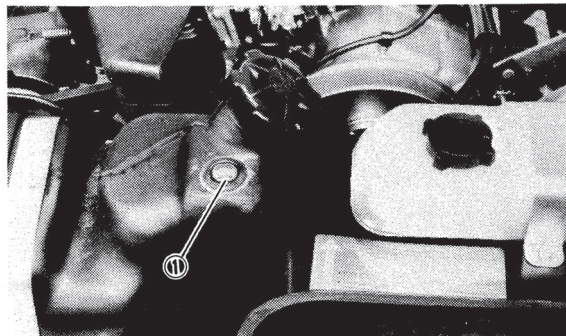
Fuel tank capacity:

24.5 L (5.4 Imp gal, 6.5 US gal)

Recommended fuel:

Regular or low lead gasoline

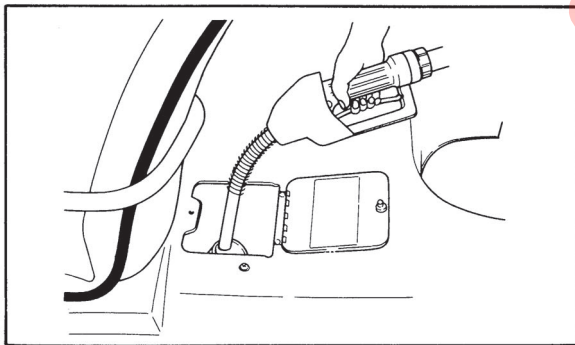
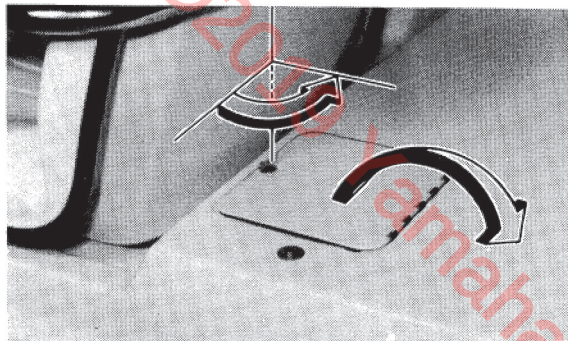
(Premium grade is acceptable)



1. Fuel level gauge

## NOTE:

Do not mix oil with the gasoline. This is unnecessary with the Yamaha Automatic oil injection system.



## 2) Check oil

Oil tank capacity:

1.7 lit. (1.8 qt)

Recommended oil:

YAMALUBE 2-cycle oil

(YAMALUBE Golf car oil for U.S.A.)

Check the oil by glancing at the oil tank whenever gasoline is added. Fill the tank if necessary. Consumption will vary depending on driving conditions, a full tank should last for almost 200 ~ 300 rounds.

### NOTE:

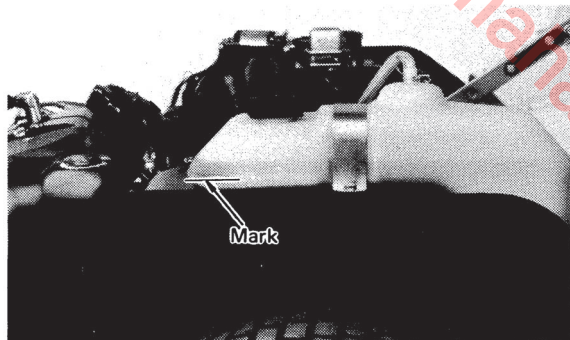
The ridge at the lower front of the oil tank marks the "one quart low level". Use YAMALUBE Golf car oil for U.S.A. or BIA-TCW approved oils; or high quality 2 cycle oil.



## CAUTION:

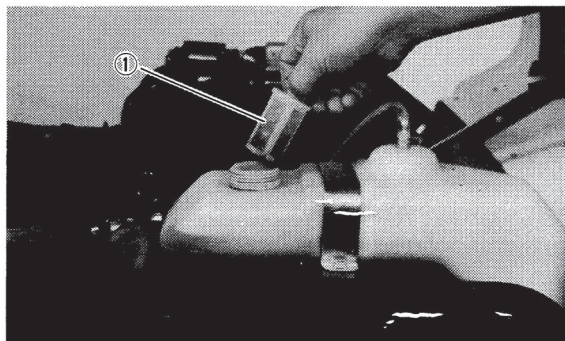
Don't mix two different types of 2-cycle engine oil, or the mixture may produce a grease deposit and the engine may lack oil.

Be sure to use only one brand of oil.



### 3) Oil filter

If the oil filter is found dirty or clogged, clean it in a solvent oil or replace it with a new one.



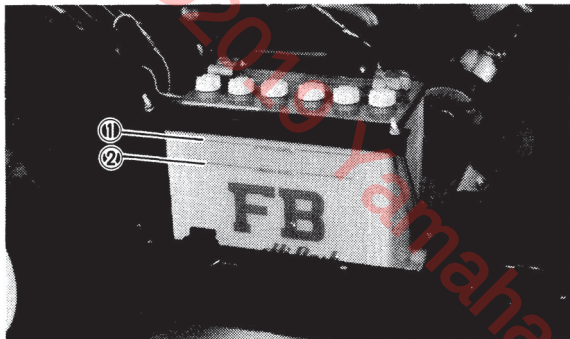
1. Oil filter

### 4) Battery

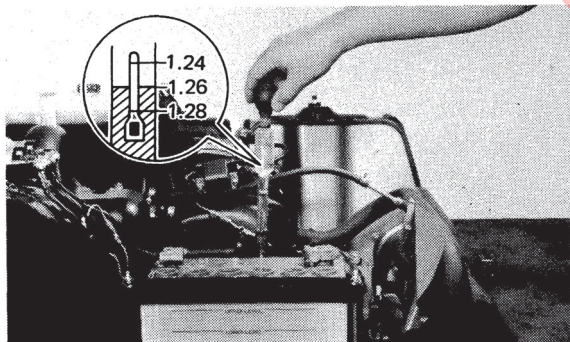
Check electrolyte level periodically and fill the battery with distilled water up to the specified level.

Check the specific gravity of the electrolyte. The reading should be 1.26 at 26.7°C (80°F). If the specific gravity is low, charge the battery. (Refer to page 33)



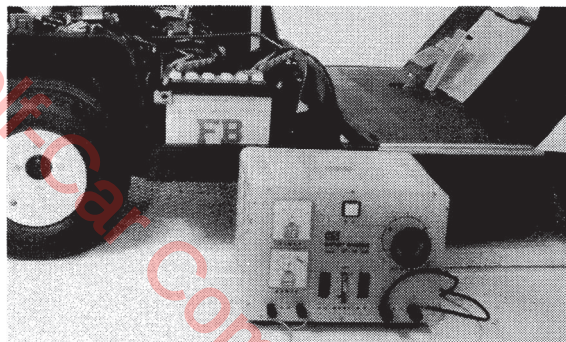


1. Upper level      2. Lower level



## 5) Battery charging

- Turn the main switch to the "OFF" position.
- Open the body and remove the negative battery cable.
- Loose the vent caps to allow the gas to escape.
- Connect the charger plug into the battery terminal as shown below.

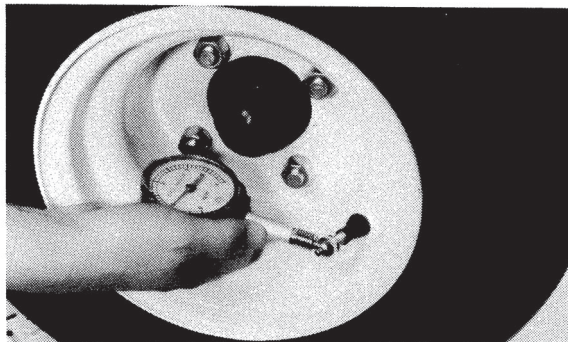


- e. Set the battery charger at 2.5A (when the battery is a 50-Ah type) and charge it until the specific gravity of the battery fluid is 1.26 at 26.7°C (80°F).

## 6) Tires

Check tire pressure. Tire pressure should be 0.8 kg/cm<sup>2</sup> (12.0 psi) for both front and rear. Check for wear or damage to the tires and replace any tire that is damaged or exceeds wear limit.

Minimum tread depth: 1 mm (0.04 in)



## 7) Brakes

### PROCEDURE:

- a. Brake shoe adjustment:

Brake shoes are self-adjusting. Before the initial start on a new car, just step down the brake pedal about 10 times to make sure that braking works.

- b. Linkage adjustment:

- 1) Remove the floor panel, which is located to the rear of the brake pedal.



1. Floor panel

- 2) Check the brake wire end play as illustrated.

Brake wire end play:

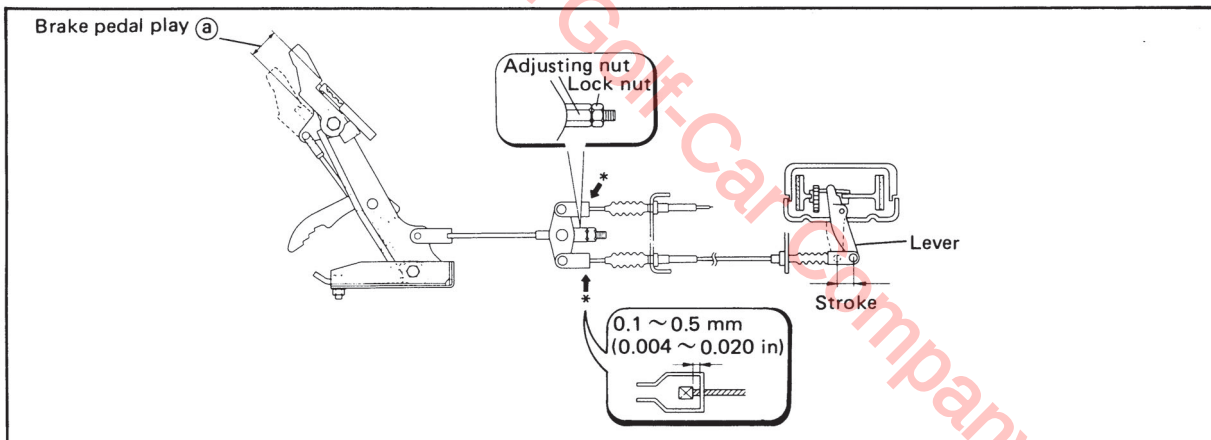
0.1 ~ 0.5 mm (0.004 ~ 0.02 in)

**WARNING:**

1. To provide the brake shoe self-adjusting lever with an effective stroke, the brake wire end (as illustrated below) must be set

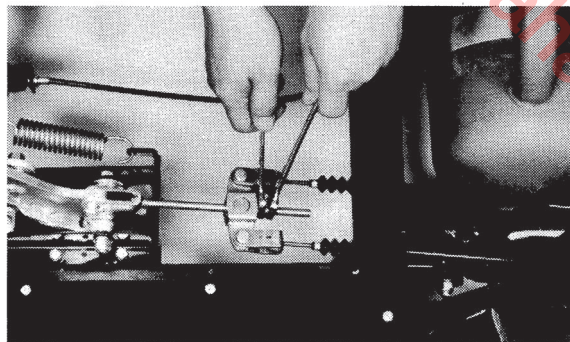
just tight enough not to be loose (0.1 ~ 0.5 mm play). If the brake wire end play is too tight, it will not enable the self-adjusting device to work, thereby causing the brake pedal play <sup>(a)</sup> to increase with the resultant braking feel.

2. If the brake wire end play is too loose, it will cause the brake pedal play <sup>(a)</sup> to increase accordingly, also resulting in a bad braking feel.



If necessary, adjust the brake wire end play by turning the adjusting nut and lock it with the Lock nut.

| Adjustment<br>(Adjusting nut) | Free play<br>(Brake wire end) |
|-------------------------------|-------------------------------|
| Tightening                    | Decreasing                    |
| Loosening                     | Increasing                    |



If this adjustment does not give smooth, even stopping without heavy pedal pressure, contact your Yamaha dealer before using your golf car again.

## 8) Air cleaner

The air cleaner element is made of oiled filtering paper which is covered with a polyurethane foam element cover.

### a. Element cover

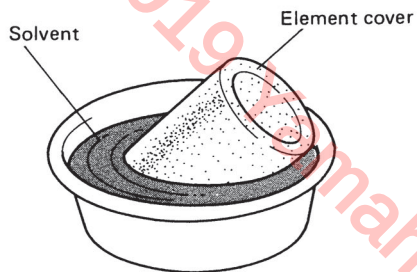
By frequently washing the element cover, the air cleaner element life can be prolonged.

Thoroughly clean the element cover with solvent. If the element cover is wet with water or oil, wash it with solvent and allow it to dry.

### CAUTION:

Do not apply oil to the element cover; resistance to air flow will be increased and adversely affect the performance.

1



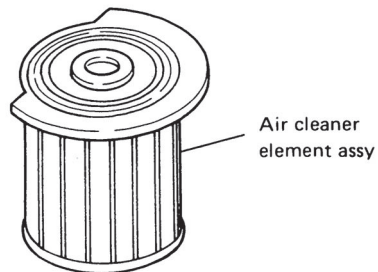
2



#### b. Air cleaner element assy

Replace the air cleaner element once a year or as required.

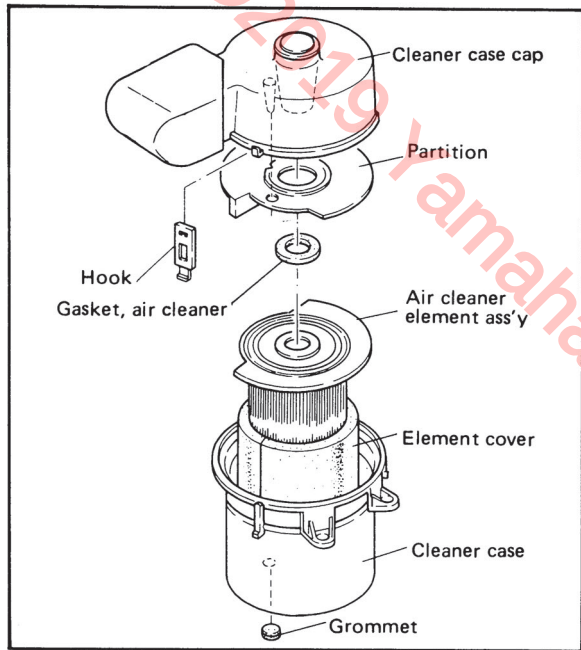
If the car is operated in extra dusty areas, replacement may be required every 6 months.



#### CAUTION:

Never blow out the air cleaner element with compressed air or wash with solvent. The oil will be removed and the engine will be damaged.





c. Air cleaner case grommet

To remove the sand and grass collecting in the cleaner case, remove the grommet from the case so the opening can be used

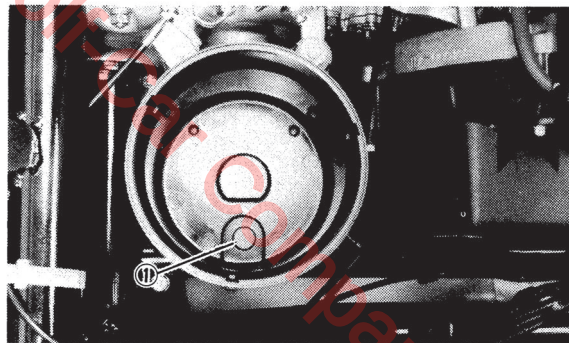
as a drain hole for cleaning.

**NOTE:** \_\_\_\_\_

The grommet can easily be removed by pushing it by hand.

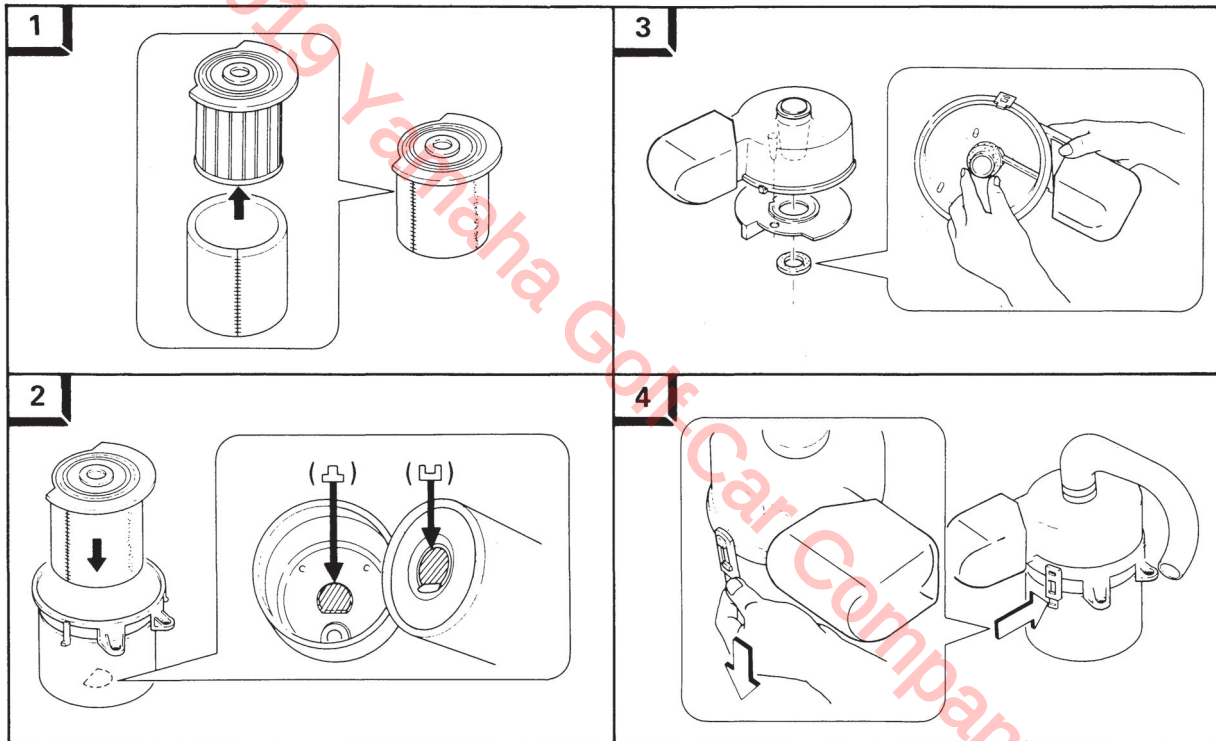
**CAUTION:** \_\_\_\_\_

**Don't forget installing this grommet; otherwise, resistance to air flow will decrease, thus adversely affecting engine performance.**



1. Grommet

## How to install the air cleaner element ass'y





## 9) Governor adjustment

The governor is properly adjusted at the factory, so no adjustment is normally required.

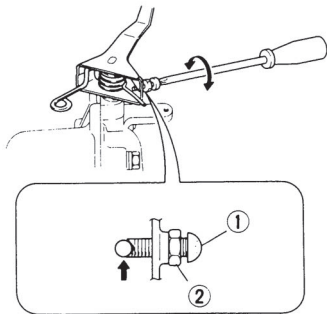
Standard governor setting:

Approx. 3,050 r/min at 19 km/h  
(12 mph)

### NOTE:

The governor can be adjusted so that the maximum vehicle speed is 16 ~ 22 km/h.

If required, consult your nearby Yamaha dealer.



1. Adjusting screw

2. Lock nut

## 10) Full throttle wire adjustment

- 1) Make sure that the tension spring is not pulled as indicated by the dotted line (in the illustration) when the accelerator pedal is depressed all the way in.

### WARNING:

Before starting this operation, be sure to turn off the main switch.

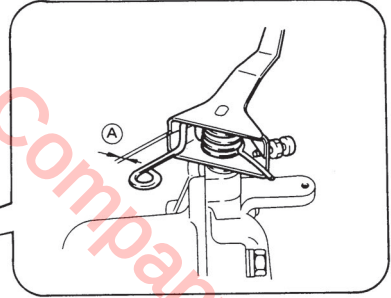
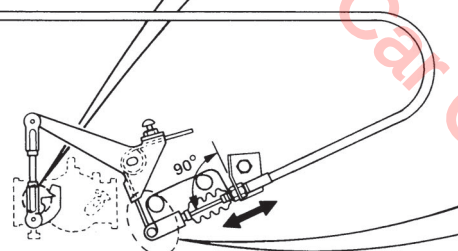
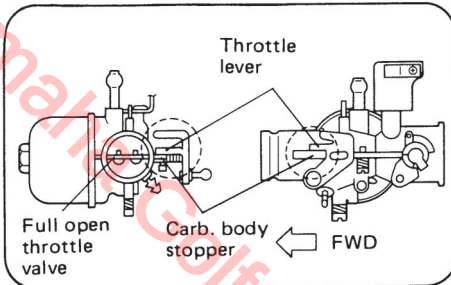
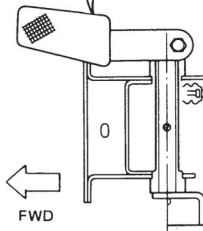
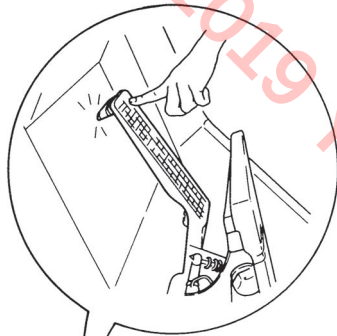
- 2) When the accelerator pedal is depressed all the way down, the throttle lever should come to contact with the carburetor body stopper.

### CAUTION:

Otherwise, the carburetor shaft may possibly be worn abnormally.

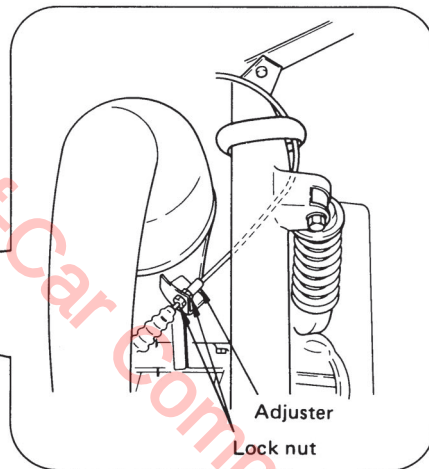
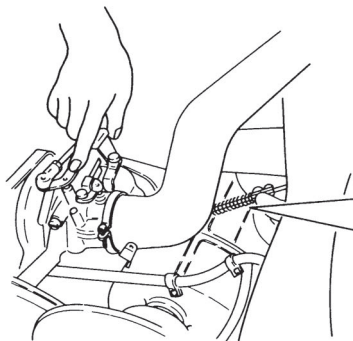
**NOTE:**

Make sure there is no gap (A) between the spring and the lever when depressing the accelerator until its stop.



- 3) If necessary, adjust throttle wire at adjuster so that when the accelerator pedal is depressed to limit, the throttle just reaches the full-open position. And tighten the lock nut.

**NOTE:** \_\_\_\_\_  
By pulling and pushing the adjuster, adjust it.  
Then tighten the lock nut.  
\_\_\_\_\_



## 11) Throttle wire free play adjustment

### a. Free play adjustment

- 1) Turn off the main switch.
- 2) Set the parking brake in the second position.
- 3) Lightly depress the accelerator pedal with your hand. (The parking brake should not be released).

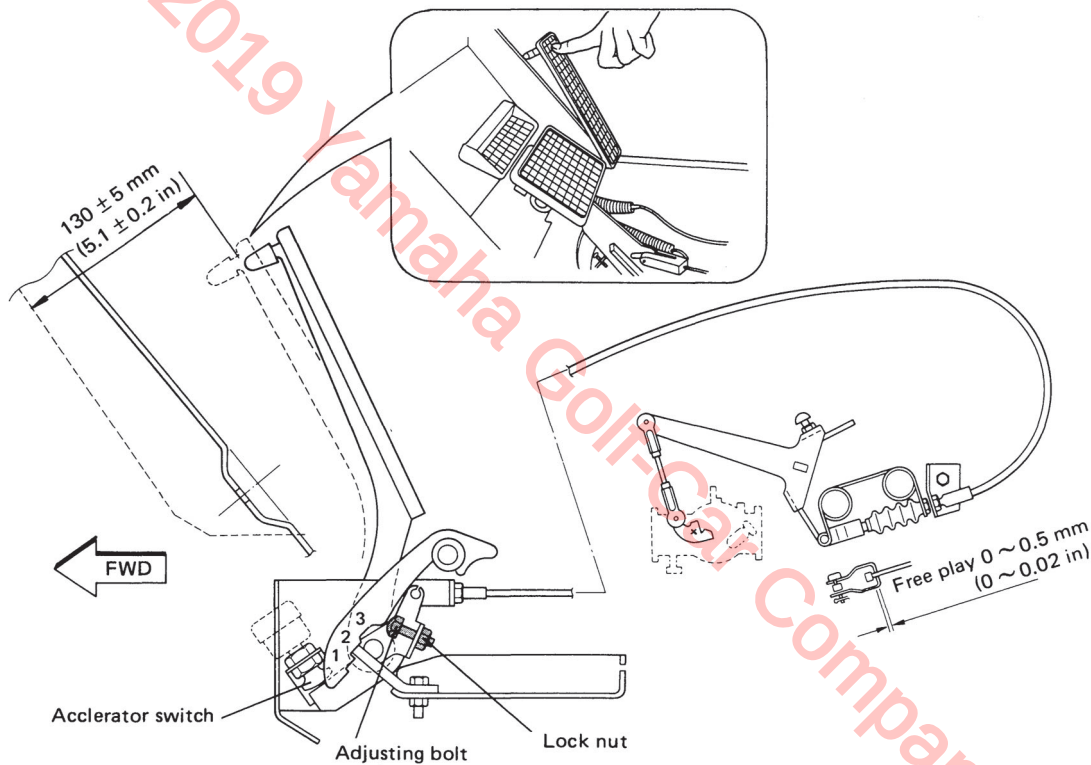
When the accelerator pedal is depressed, the free play of the speed limiter lever is 0 ~ 0.5 mm (0 ~ 0.02 in).

Free play of throttle wire:

0 ~ 0.5 mm (0 ~ 0.02 in)

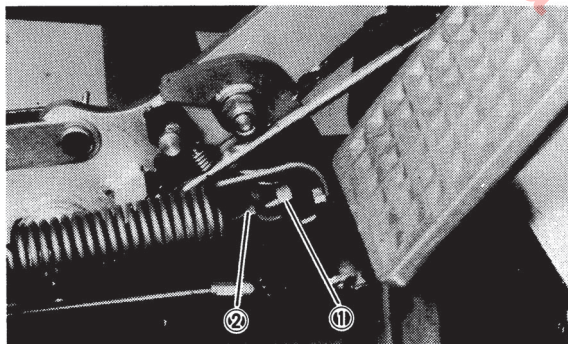
### WARNING:

An excessive free play will allow the car to back, when making a start on a slope, so be sure that the free play of the throttle wire is properly adjusted.



If necessary, adjust the free play by turning the adjust bolt and lock it with the lock nut.

| Adjustment<br>(Adjusting screw) | Free play<br>(Throttle wire END) |
|---------------------------------|----------------------------------|
| Tightening<br>(Clockwise)       | Decreasing                       |
| Loosening<br>(Counterclockwise) | Increasing                       |



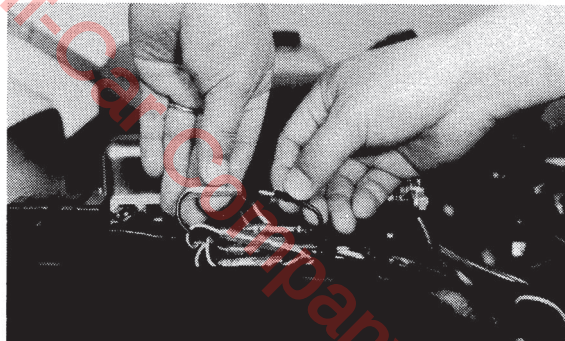
1. Adjusting bolt    2. Lock nut

#### **WARNING:**

**Check to see that when the accelerator pedal is depressed and released, the throttle wire moves smoothly and that the throttle valve closes completely.**

b. To check if the engine can keep on smooth idling, proceed as follows:

- 1) Remove the V-belt.
- 2) Disconnect the black/white connector.



- 3) Turn the main switch to "Forward" position.
- 4) Set the parking brake in the second position from the lower.
- 5) Lightly depress the accelerator pedal with your hand. (The parking brake should not be released.)

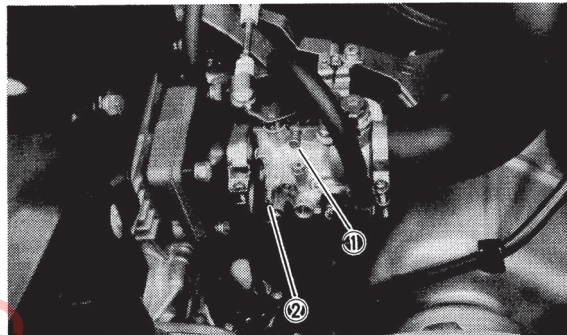
Now the engine will start.

Take your hand off the accelerator pedal, and check to see that the engine keeps on running.

Idling speed: 1,200 r/min

For adjustment, refer to "Carburetor Adjustment."

## 12) Carburetor adjustment



1. Throttle stop screw      2. Pilot screw

### a. Slow circuit adjustment

The golf car is operated mostly at low speeds, and therefore the adjustment of the slow circuit is very important.

Turn out the pilot screw to specification from a lightly seated position\*, and make a test run. According to the weather and terrain, adjust the slow circuit properly by loosening or tightening the pilot screw 1/8 ~ 1/4 turn each time.



**NOTE:**

Tightening (clockwise) the pilot screw (PS) makes the mixture leaner, and loosening (counterclockwise) it makes the mixture rich.

Number of turns out of pilot screw (PS):  
1.0 turn out

**CAUTION:**

**\*Avoid turning the pilot screw too hard; otherwise, the tapered portion of the pilot screw could be damaged and poor lower speed performance may result.**

**b. Idling speed adjustment**

When the accelerator pedal is released, the golf car engine will stop. For this reason, it is impossible to measure the idling speed under normal conditions.

**• ADJUSTMENT PROCEDURE:**

- 1) Make sure that the pilot screw (P.S.) is 1.0 turn out.
- 2) Loosen the carburetor throttle stop screw to clear the throttle arm.
- 3) Slowly tighten the throttle stop screw until it is lightly touched the throttle arm, and give it another two turns.

Standard throttle stop screw (S.S.) setting:  
2 turns in

**NOTE:**

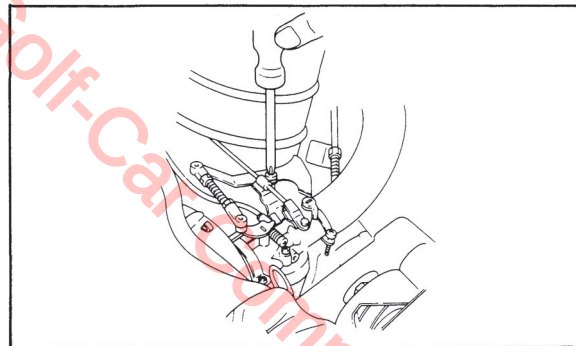
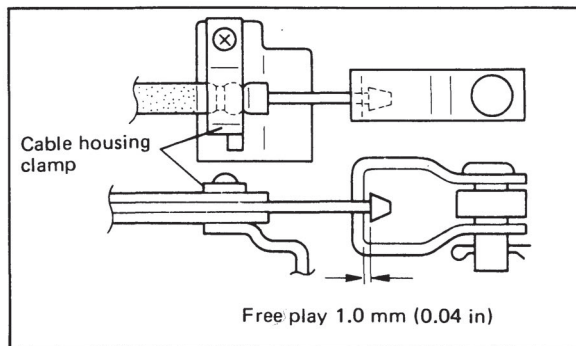
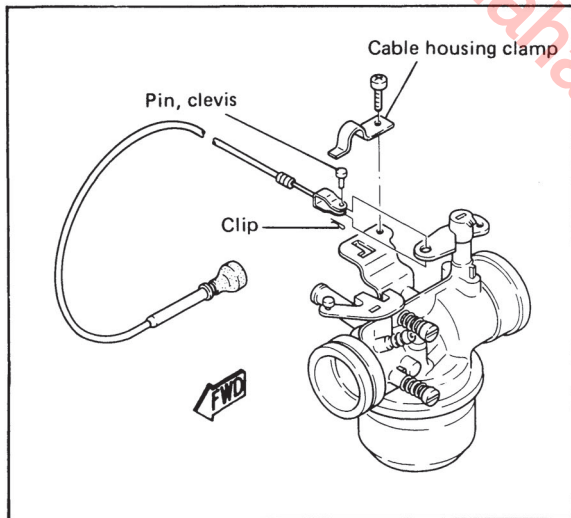
The J17 has been designed with importance on both fuel economy and riding comfort, but if additional riding qualities are required, the following throttle stop screw setting is recommended.

Recommended throttle stop screw setting:  
4 turns in

### 13) Choke cable adjustment

Adjust the outer cable by positioning it in the cable housing clamp so the choke cable lever has a play of about 1 mm (0.04 in).

After adjusting the choke cable, make sure that the choke moves smoothly.



#### 14) Engine bracket tensioner

Check to see that the gap between the dumper and rear arm bracket is 0.5 mm (0.02 in).

Standard gap between dumper and rear arm bracket: 0.5 mm (0.02 in)

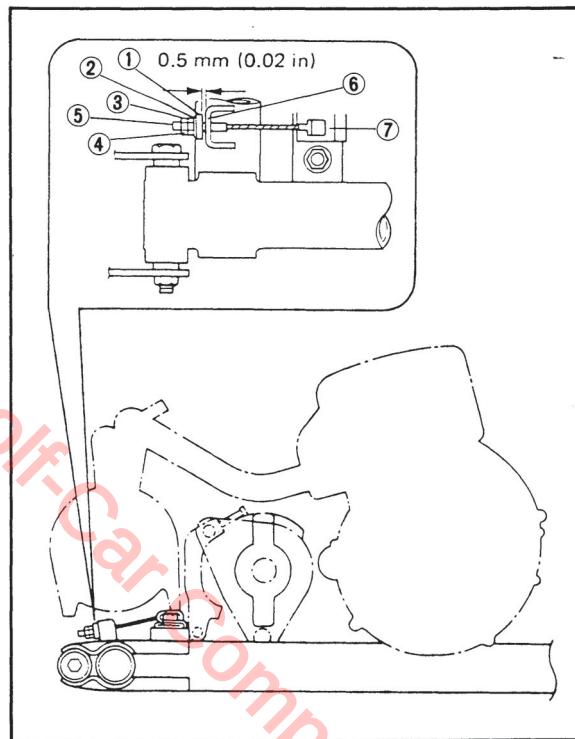
#### CAUTION:

- If there is no gap, that is, if the dumper is in contact with the rear arm bracket, the engine vibration will transfer to the seat, thus impair riding comfort.
- On the contrary, an excess gap will have an adverse effect on the operation of the clutch drive belt.

#### ADJUSTMENT

Insert the thickness gauge into the gap between the dumper and rear arm bracket, and tighten the double locknut.

Next, remove the thickness gauge, and check to see that the tensioner wire moves.



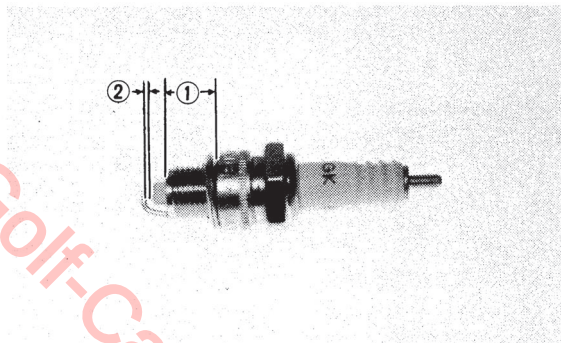
- |                 |                   |
|-----------------|-------------------|
| 1. Dumper       | 5. Tensioner      |
| 2. Plain washer | 6. Rear arm comp. |
| 3. Lock nut     | 7. Engine bracket |
| 4. Lock nut     |                   |

## 15) Spark plug inspection

The spark plug is an important engine component and is easy to inspect. The condition of the spark plug can indicate something of the condition of the engine. Check the coloration on the white porcelain insulator around the center electrode. The ideal coloration at this point is a medium to a light tan color for a machine that is being driven normally. If a spark plug shows a distinctly different color, there could be something wrong with the engine. For example, a very white center electrode porcelain color could indicate an intake tract air leak or carburetion problem. Do not attempt to diagnose such problems yourself. Instead, take the machine to your Yamaha dealer. You should periodically remove and inspect the spark plug because heat and deposits will cause any spark plug to

slowly break down and erode. Consult your dealer before changing to a different type of spark plug.

Standard spark plug: BP-6HS (NGK)



1. Spark plug reach

2. Spark plug gap

Spark plugs are produced in several different thread lengths. The thread length (reach) is the distance from the spark plug gasket seat to the end of the threaded portion. If the reach is too long, overheating and engine damage may

result. If the reach is too short, spark plug fouling and poor performance may result also, if too long, carbon will form on the exposed threads resulting in combustion chamber hot spots and thread damage.

Always use a spark plug with the proper reach.

**Spark plug reach: 12.7 mm (1/2 in)**

Before installing any spark plug, measure the electrode gap with a wire thickness gauge. Adjust to specification.

**Spark plug gap:**

**0.6 ~ 0.7 mm (0.024 ~ 0.028 in)**

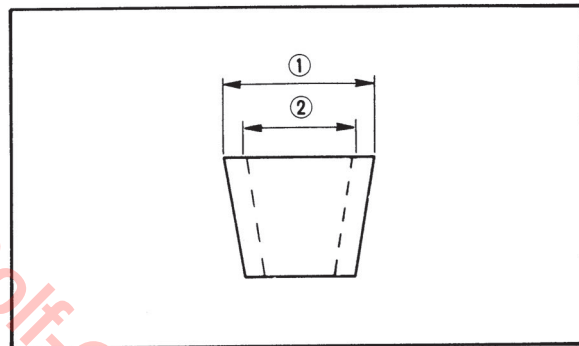
When installing the plug, always clean the gasket surface. Wipe off any grime from the threads and torque the spark plug properly.

**Spark plug torque:**

**28 Nm (2.8 m·kg, 20 ft·lb)**

## 16) Clutch belt

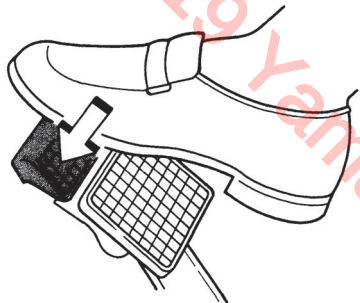
Check wear and damage. If worn beyond the wear limit or damaged, replace it with new one.



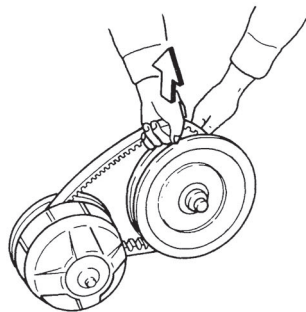
1. New: 31.0 mm (1.22 in)
2. Wear limit: 27 mm (1.06 in)

## How to remove the V-belt

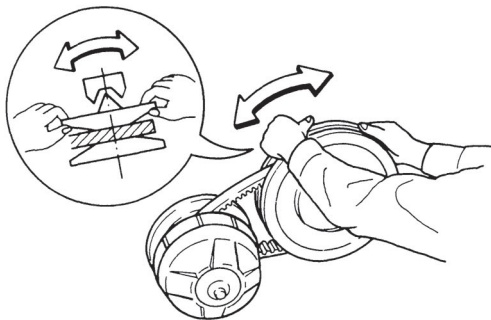
1



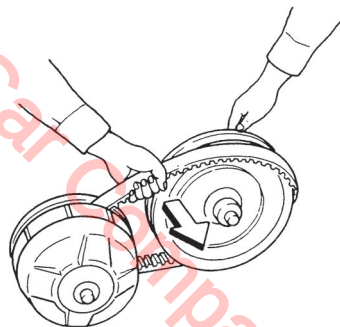
3



2

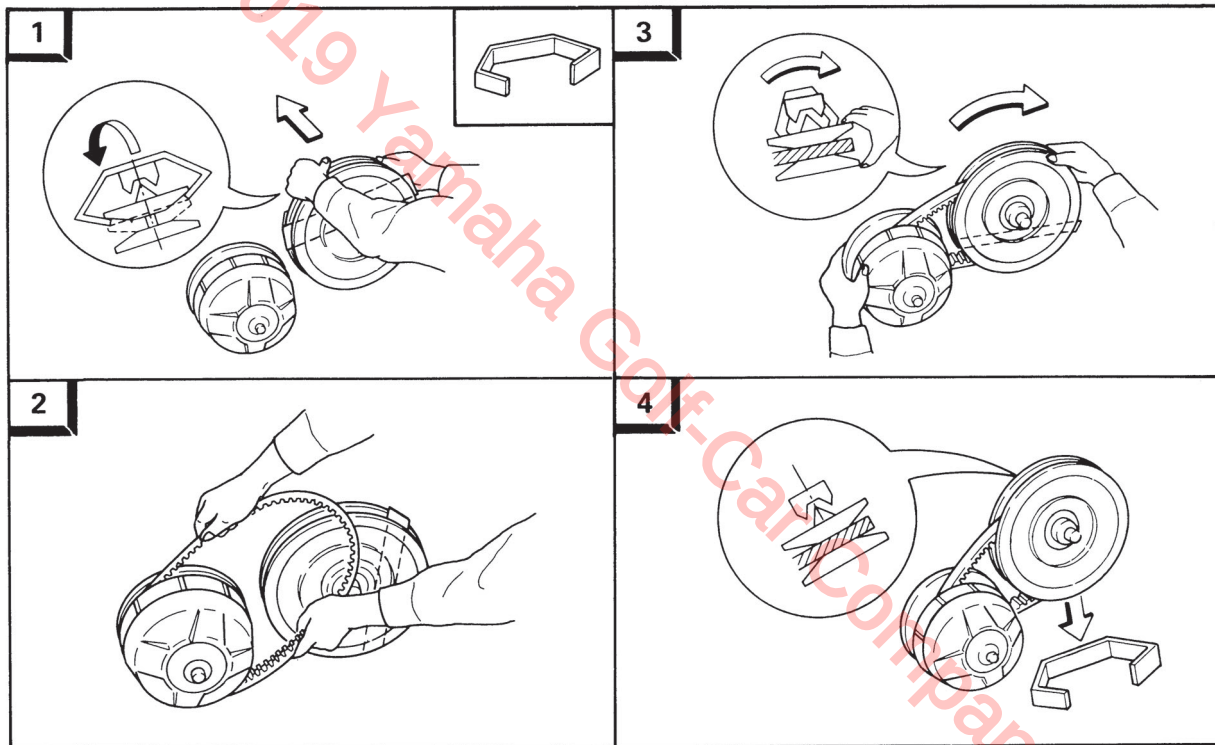


4





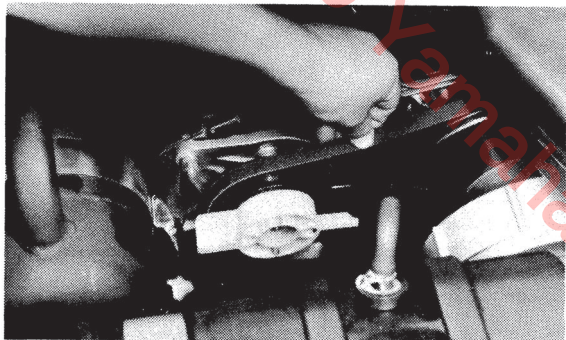
## How to install the V-belt





## 17) Starter-generator belt

- a. Check for damage, and replace it if it is at all damaged.



- b. Starter-generator belt tension adjustment  
Check the belt tension by applying a force of 10 kg (22.05 lb) at its center.  
If it deflects more than specification, adjust the belt tension.

Starter-generator belt tension:

New belt (preset tension)

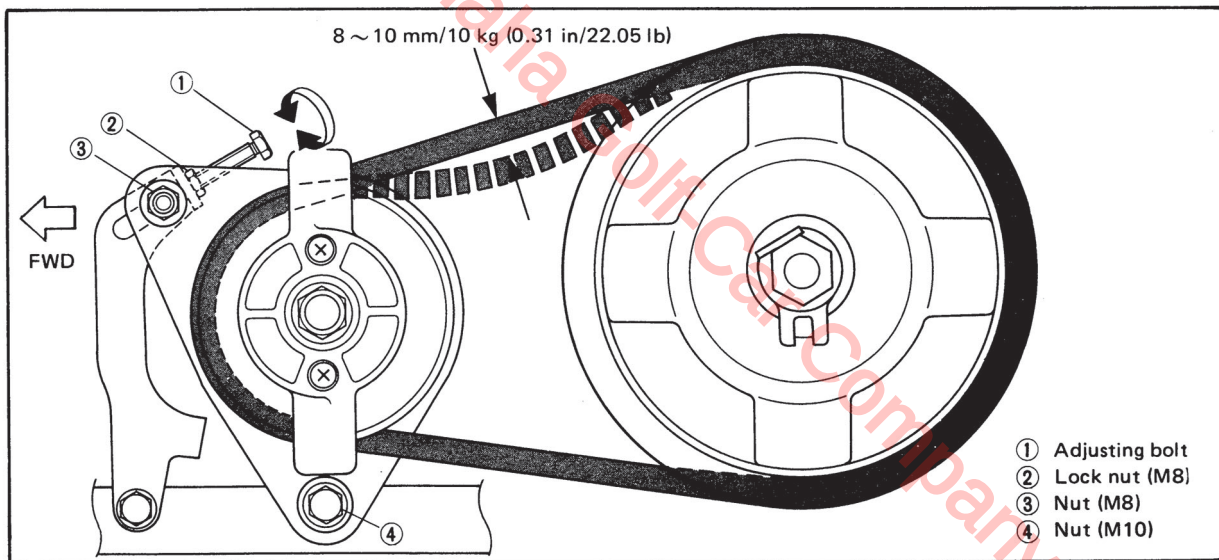
8 mm/10 kg (0.31 in/22.05 lb)

Normal

10 mm/10 kg (0.39 in/22.05 lb)

- 1) Loosen the nut ④ (M10) at the bottom of the starter-generator.
- 2) Loosen the nut ③ (M8) on top of the starter-generator.
- 3) Loosen the lock nut ② (M8) and adjust the belt tension by turning the adjusting bolt ①

- 4) Tighten the nut ③ on top of the starter-generator.
- 5) Check the belt tension.
- 6) Tighten the lock nut ②.
- 7) Tighten the nut ④ (M10) at the bottom of the starter generator.

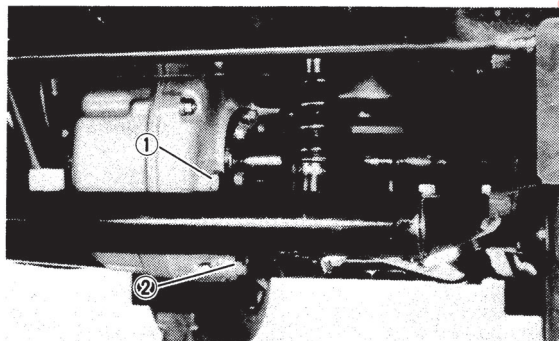
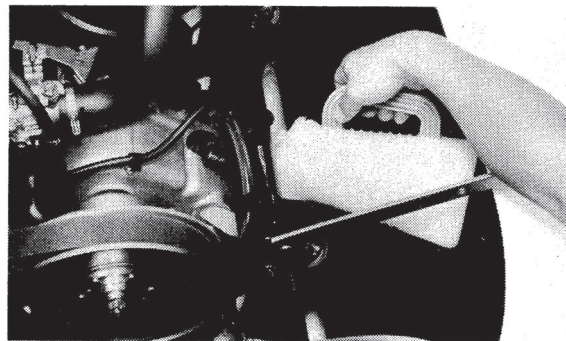


### 18) Gear box oil

Check oil level using the level plug. Add oil if necessary.

Drain the gear box and refill it at least once every two years.

|                  |                                  |
|------------------|----------------------------------|
| Recommended oil: | SAE 90 gear oil                  |
| Capacity:        | 800 cm <sup>3</sup> (0.85 US qt) |



1. Oil level plug

2. Drain bolt

### 19) Steering gear box oil

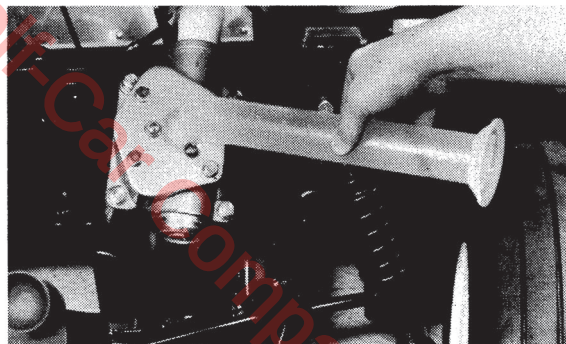
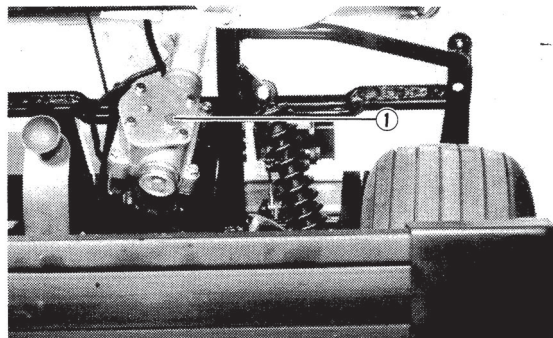
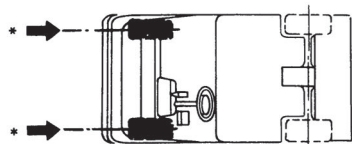
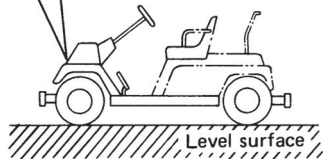
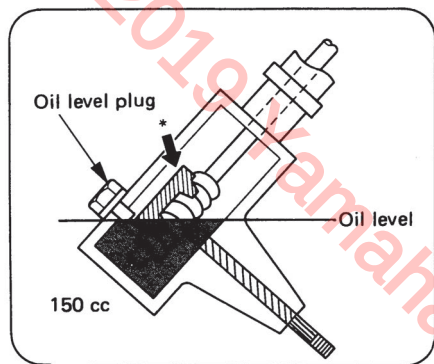
Remove the level plug and refill with oil as required to the lower edge of the oil level/fill hole.

|                  |                                  |
|------------------|----------------------------------|
| Recommended oil: | SAE 90 gear oil                  |
| Capacity:        | 150 cm <sup>3</sup> (0.16 US qt) |

**NOTE:** \_\_\_\_\_

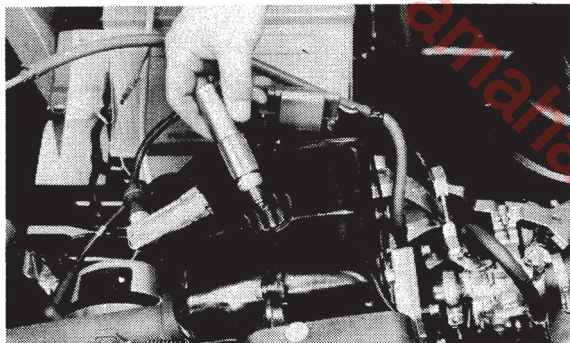
When refilling, place the golf car on a level surface with both front wheels steered straight.

\_\_\_\_\_

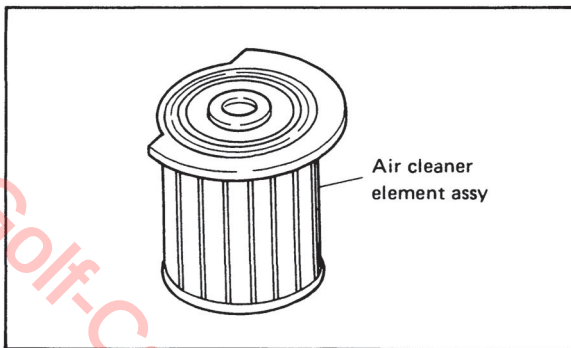


## COMPONENTS REPLACED ANNUALLY

Replace the spark plug yearly or as necessary.



Replace the air cleaner element ass'y yearly or as necessary.



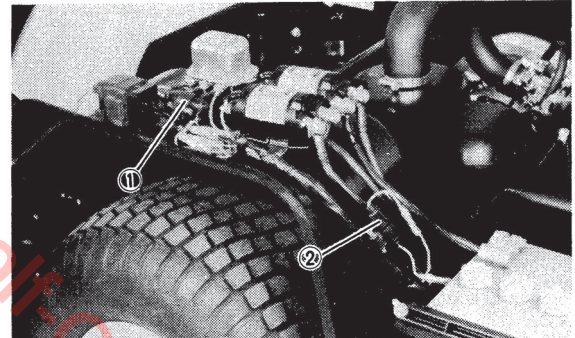


# TROUBLESHOOTING

Troubleshooting a running problem or a "won't start" problem may at first appear difficult. If a methodical approach is taken, however, the problem usually can be found quickly and easily. Many troubleshooting procedures require special equipment such as multimeters and other electrical testing devices. Only the most basic items have been included in the following troubleshooting material. If the problem cannot be found with these procedures, and if you are not familiar with more advanced diagnostic methods, consult your golf car dealer.

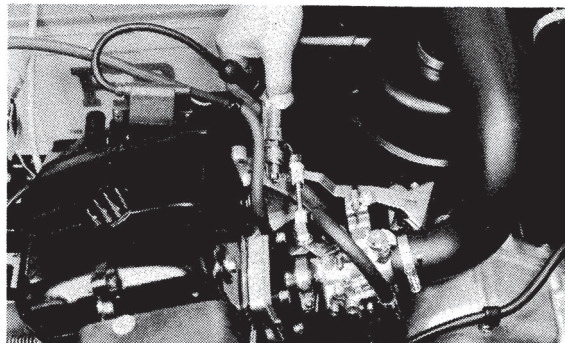
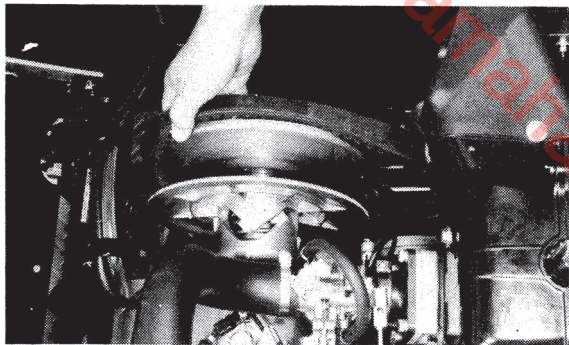
## TROUBLESHOOTING PROCEDURE

- 1) If the gas car is completely dead and will not turn over, check both fuses and replace them as necessary.

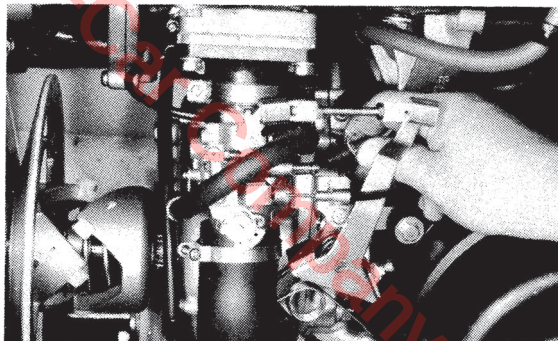


1. Fuse (-)      2. Fuse (+)

- 2) To check for spark, first remove the drive belt; remove the spark plug and put the spark plug in the plug cap, ground the plug body, and turn the engine over while observing the spark plug electrodes.

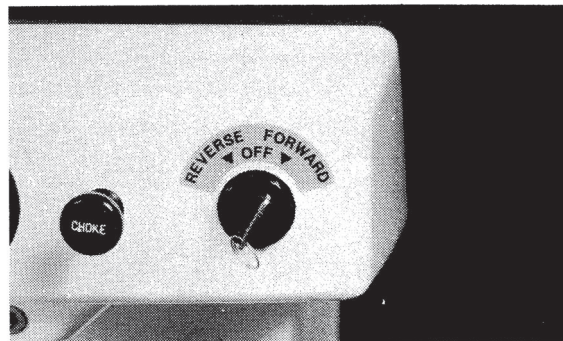
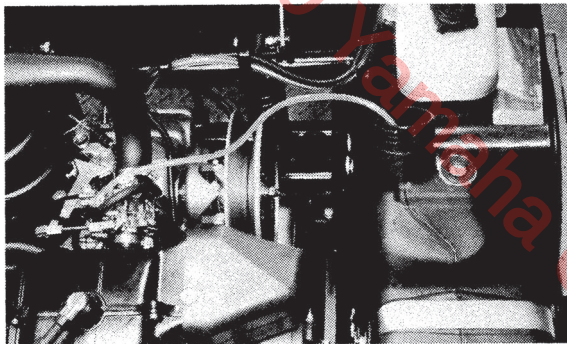


- 3) To check gas flow to carburetor, remove the drive belt and pull the gas line from the carb.





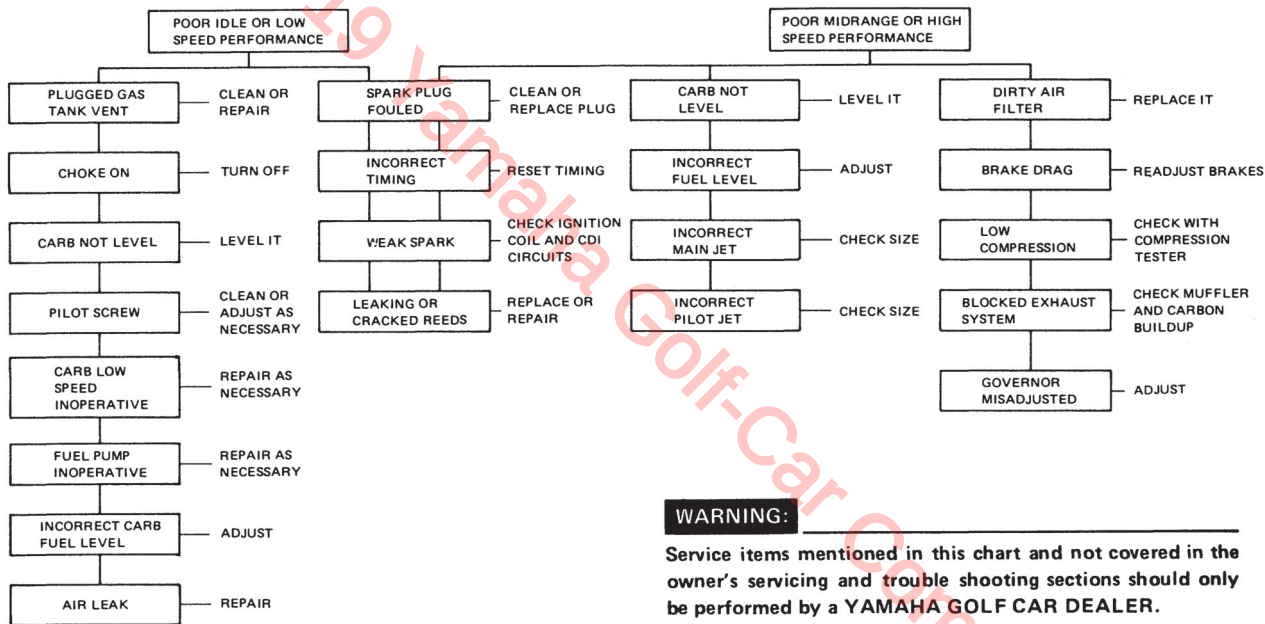
Connect an additional fuel pipe from the outlet to the fuel tank and turn the engine over while observing flow from the line.



The following chart provides additional ideas on troubleshooting.

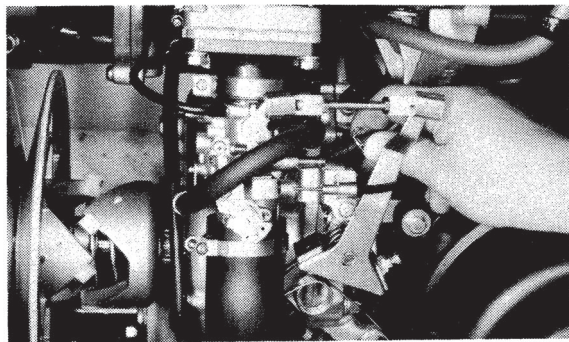
# ©2019 Yamaha Golf-Car Company

## TROUBLESHOOTING CHART



# STORAGE AND RETURN TO SERVICE

When a golf car is to be stored during the off-season, certain steps must be taken to prevent deterioration and extend the life of the car. Likewise, preparations must be made to return a car to service after storage.



- c) Connect it to the fuel tank by using an additional suction.

## STORAGE PREPARATION

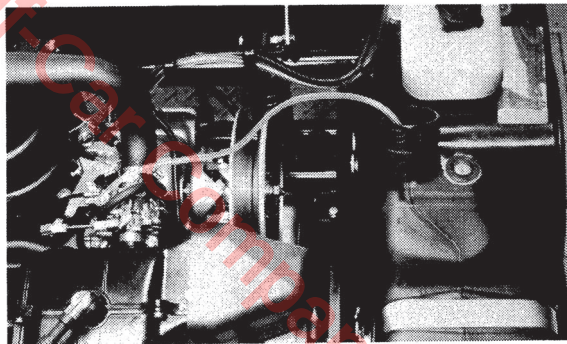
1. Remove the fuel line from the carburetor.
  - a) Remove the V-belt.

**NOTE:** \_\_\_\_\_

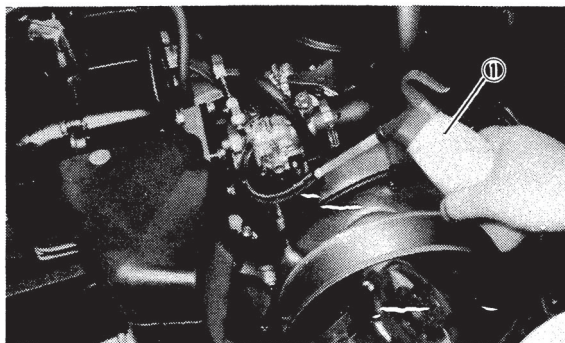
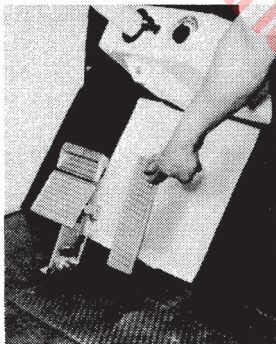
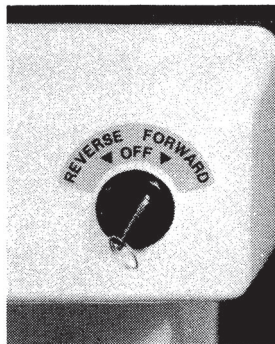
Store the golf car with the V-belt removed.

---

- b) Remove the fuel line from the carburetor.



- d) Remove the outer hose from oil pump at the carburetor.
- e) Start the engine (Turn the main switch to Forward and depress the accelerator pedal) and squirt 2-stroke oil into the air intake until the float-bowl fuel is used up and the engine stops.



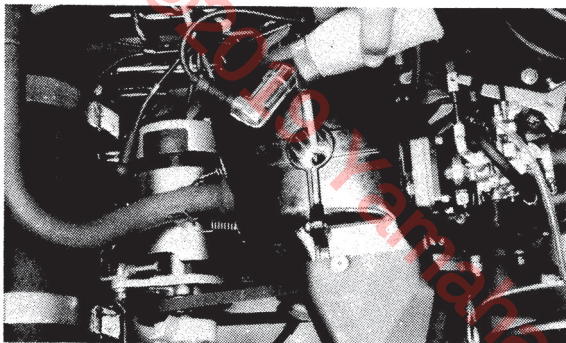
1. Oiler

- f) Pour 1/2 ounce of oil into the spark plug hole.

**CAUTION:**

Position the piston at top dead center (TDC). If it is at bottom dead center (BDC), the oil may flow into the exhaust port and intake port, thus adversely affecting engine performance.





- g) Replace the spark plug and run the starter for a few seconds. (Depress the accelerator)
- h) Install the spark plug.

**NOTE:** \_\_\_\_\_

Place the piston at TDC for storage.

---

### **Relationship between the piston position and humidity**

By closing the exhaust port with the piston (which is positioned at TDC), the entry of moisture into the cylinder can be reduced, and thus engine parts can be pro-

tected from rust.

### **PROCEDURE:**

Store the vehicle with the piston positioned at TDC. To bring the piston to TDC, turn the primary sheave by hand and it becomes stiff for a certain range of turn. Determine the center point of that range, which is the piston TDC.

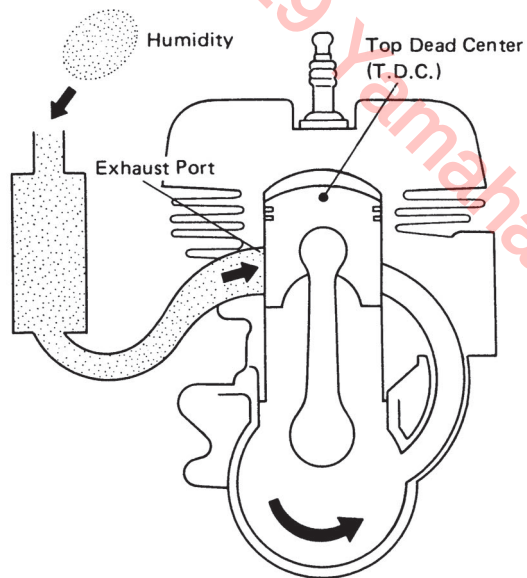


**NOTE:** \_\_\_\_\_

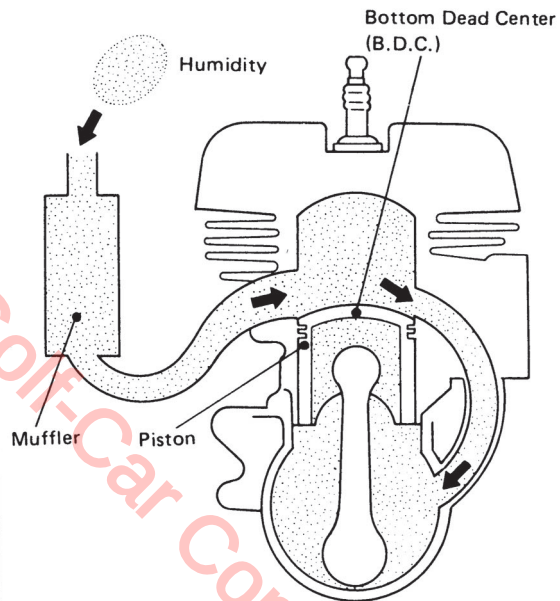
During the rainy season or when the car is not used for more than one month, place the piston at TDC.

---

GOOD



NO GOOD





2. Drain the fuel tank and line.
3. Charge the battery until it reaches 1.260 specific gravity.
4. Add distilled water to the battery cells to achieve the proper electrolyte level.
5. Check the cells with a hydrometer every eight to 10 weeks, and charge the battery as necessary to maintain the 1.260 specific gravity reading at 80° F.
6. Increase the air pressure in the tires to 20 psi.
7. Protect the tires from moisture, oil, and ozone (such as that found in the battery charging area).
8. Lift the body, and clean and dry the chassis.
9. Avoid storage in humid areas to prevent rust and corrosion.

## RETURN TO SERVICE

1. Refill the fuel tank.
2. Adjust the tire pressure to 12 psi.
3. With the key turned off, check the operation of the brakes, parking brake, accelerator, steering mechanism, and choke.
4. Start the engine and run it briefly.

### NOTE: \_\_\_\_\_

Due to the additional oil placed in the engine for storage, the engine will smoke heavily for a few moments after first being started.

---

# ACCESSORIES AND OPTIONAL EQUIPMENT

| Part name           | Part number       |                                           |
|---------------------|-------------------|-------------------------------------------|
|                     | For U.S.A.        | For Canada, Australia and others          |
| Sun roof (Sun top)  | * ABA-J1098-00-00 |                                           |
| Sweater basket      | * ABA-J1097-00-00 |                                           |
| Tow bar assembly    | * ABA-J1099-00-00 |                                           |
| Tow bar bracket set | * ABA-J1086-00-00 | Attaches to chassis                       |
| Wind shield         |                   | ** J18-78320-00                           |
| Chrome hub cap      |                   | Quality chrome plated<br>*** ACC-11401-06 |
| Ball holder         |                   | *** ABA-3X336-00                          |

\*: Made by YPDI, U.S.A.

\*\*: Made by YMC, Japan

\*\*\*: Made by YMCA, CANADA

The above mentioned accessories and optional equipment are available from your Yamaha golf car dealers. Please contact a dealer for detailed information.

# MAINTENANCE CHECK LIST

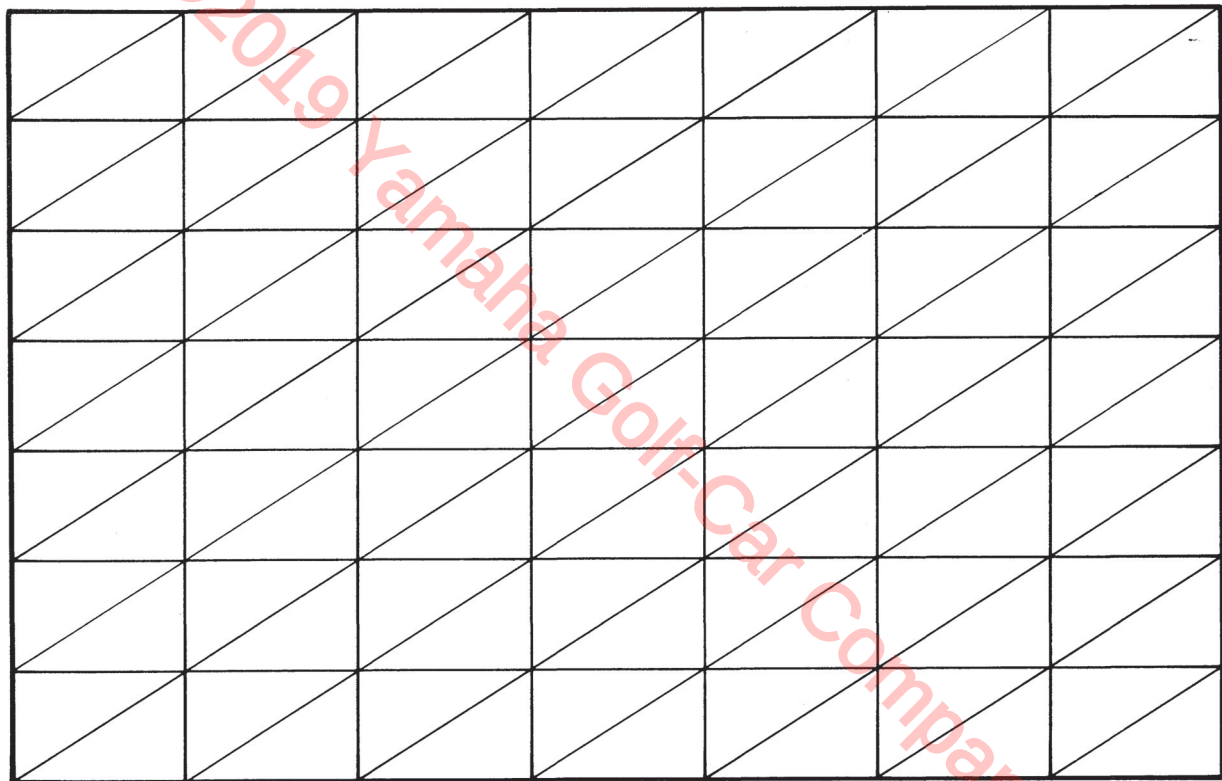
## 1) Daily maintenance check list

| CODE | PROBLEM                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <b>TIRES:</b> <ul style="list-style-type: none"> <li>• Inflation</li> <li>• Uneven wear</li> <li>• Damage or cuts</li> </ul>         |
| 2    | <b>BRAKES:</b> <ul style="list-style-type: none"> <li>• Pedal adjustment</li> <li>• Parking lock</li> <li>• Free movement</li> </ul> |
| 3    | <b>STEERING:</b> <ul style="list-style-type: none"> <li>• Free movement</li> <li>• Full-lock check</li> <li>• Wheel play</li> </ul>  |
| 4    | <b>ACCELERATOR:</b> <ul style="list-style-type: none"> <li>• Free movement and return</li> </ul>                                     |

| CODE | PROBLEM                                                                                                                                                        |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5    | <b>RUNNING:</b> <ul style="list-style-type: none"> <li>• Forward check</li> <li>• Forward brakes</li> <li>• Reverse check</li> <li>• Back-up buzzer</li> </ul> |
| 6    | <b>RATTLES OR UNUSUAL NOISES</b>                                                                                                                               |
| 7    | <b>OIL LEVEL</b>                                                                                                                                               |
| 8    | <b>FUEL LEVEL</b>                                                                                                                                              |
| 9    | <b>BATTERY FLUID LEVEL</b>                                                                                                                                     |
| 10   | <b>CLEANUP</b>                                                                                                                                                 |

Record the date and, if necessary, the problem code:

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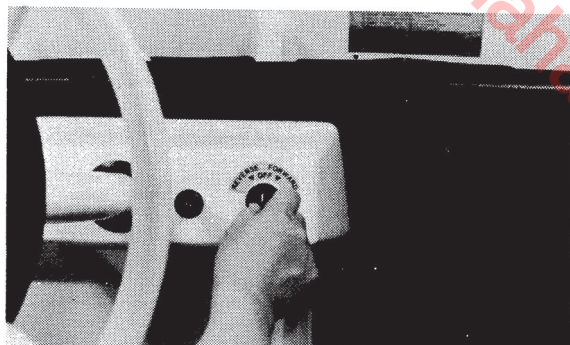


## DAILY CHECK (Procedure)

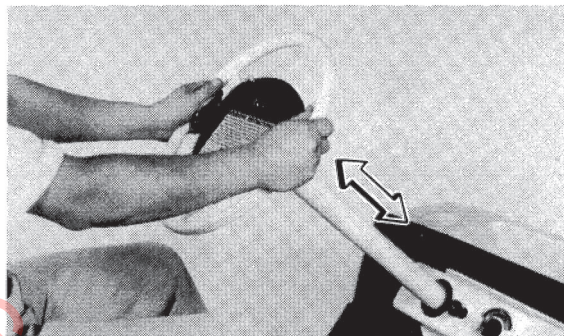
**NOTE:** \_\_\_\_\_

Before checking, turn the main switch to the OFF position.

---



a. Check the steering mechanism free play.



b. Check the steering mechanism movement.

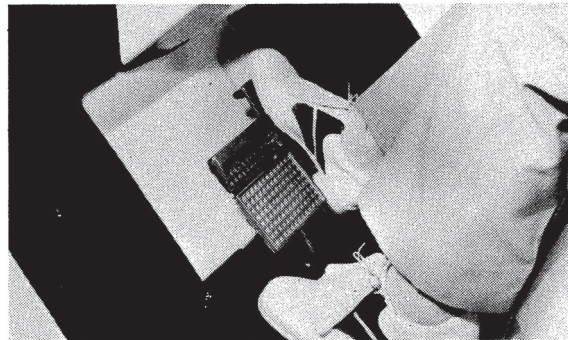




c. Check brake pedal movement.



e. Check accelerator pedal operation.



d. Check parking brake operation.



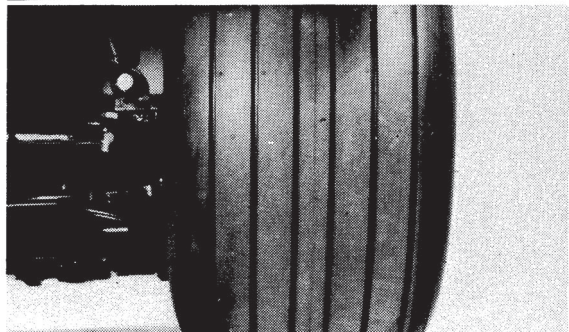
f. Check the choke wire movement.



- g. Check the back-up buzzer keep at the "RESERVE" key position.



- h. Check the tires for cuts or low air pressure.



- i. Open the body cowl for the following checks.

**NOTE:** \_\_\_\_\_

When the body cowl is opened, be sure to insert the safety lock pin into the hole as shown below.

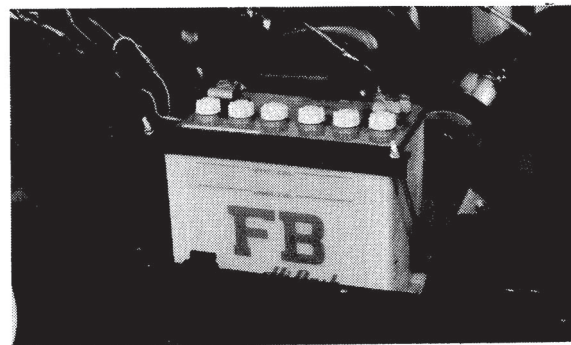
\_\_\_\_\_



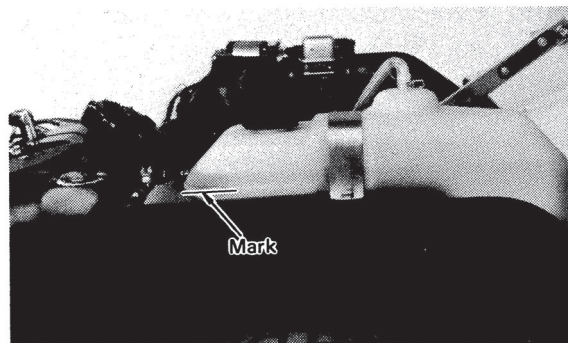
j. Check the fuel level.



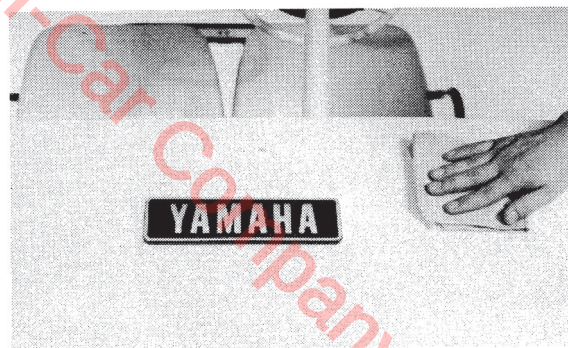
l. Check the battery fluid level.



k. Check the oil level.

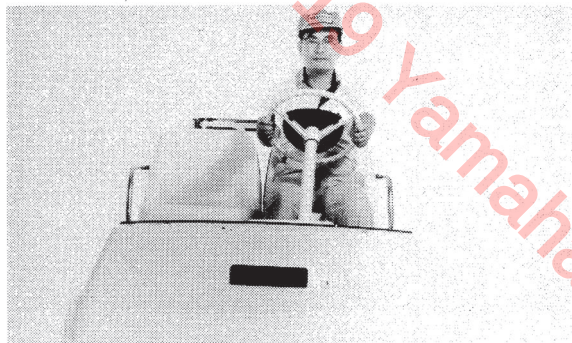


m. Clean the seats and cowl if they're dirty.





- n. Check the feel of the car while driving to the line.



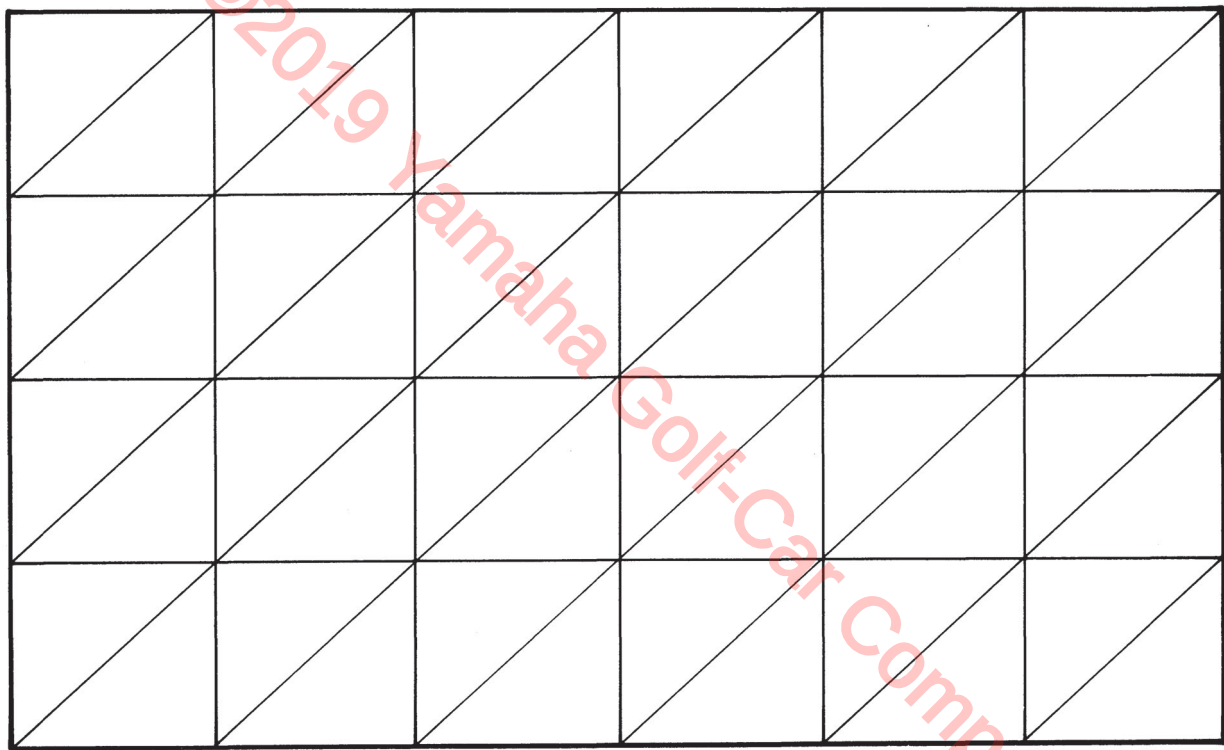
- o. Installation of golf bag securing device.

## 2) Golf car 13-point monthly check

1. Check and adjust the tire pressure.
2. Check for any tire damage.
3. Adjust the brake pedal play.
4. Check the operation of all the cables, and lubricate them.
5. Adjust the parking brake.
6. Check the battery connections and fluid level.
7. Clean the battery and its connections.
8. Check for any loose wires or connections.
9. Wash the car, and wax it if necessary.
10. Clean the engine and the engine compartment.
11. Check the air filter.
12. Check and fill the oil tank.
13. Check the electrolyte specific gravity.

Record the date, and initial when all the above operations are completed.

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### 3) Six months and yearly maintenance check list

#### SIX MONTHS

1. Check the transmission oil level.
2. Check the steering gear oil level.
3. Wax the car.
4. Replace the spark plug.

#### YEARLY

1. Lubricate all the cables.
2. Tighten all the bolts, nuts, and screws.
3. Adjust the steering gear.
4. Adjust the steering alignment.
5. Replace the air filter.
6. Replace the oil and fuel filters.
7. Check the clutch V-belt wear.
8. Check the starter-generator belt tension.

Record the date in a box, and initial the adjacent area when the service is completed. Keep this sheet as a permanent record.

| 1                 |                 | 2                 |                 | 3                 |                 | 4                 |                 |
|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|
| 6 MONTHS<br>DATE: | YEARLY<br>DATE: | 6 MONTHS<br>DATE: | YEARLY<br>DATE: | 6 MONTHS<br>DATE: | YEARLY<br>DATE: | 6 MONTHS<br>DATE: | YEARLY<br>DATE: |
| INITIALS          | INITIALS        | INITIALS          | INITIALS        | INITIALS          | INITIALS        | INITIALS          | INITIALS        |
|                   |                 |                   |                 |                   |                 |                   |                 |

# SPECIFICATION

| ITEMS                  | DESCRIPTION                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions (L x W x H) | 2,403 x 1,140 x 1,180 mm (94.6 x 44.9 x 46.5 in)                                                                                            |
| Dry weight             | 310 kg (684 lb)                                                                                                                             |
| Turning radius         | 3,000 mm (118 in)                                                                                                                           |
| Hill climbing ability  | 57% or more, depending on surface                                                                                                           |
| Lubrication system     | YAMAHA Automatic oil injection system (Controlled by exhaust pressure)                                                                      |
| Oil tank capacity      | 1.7 lit. (1.8 quart)                                                                                                                        |
| Oil required           | Yamalube Golf car oil, or if not available, any two stroke oil that is B.I.A. certified for service T.C.W.                                  |
| Fuel tank capacity     | 24.5 L (6.5 gallon)                                                                                                                         |
| Fuel required          | Any grade of gasoline is acceptable<br>NOTE: DO NOT USE PREMIX fuel (oil mixed in gasoline)                                                 |
| Ignition system        | CDI Electronic ignition                                                                                                                     |
| Spark plug type        | BP-6HS (NGK)                                                                                                                                |
| Spark plug gap         | 0.6 ~ 0.7 mm (0.024 ~ 0.028 in)                                                                                                             |
| Transmission system    | Automatic variable-pitch V-belt transmission,<br>Double reduction helical gear 13.55 : 1                                                    |
| Brakes                 | Mechanical brake linkage to individual drum brakes on each rear wheel with self-adjusting brake shoe. Parking brake with automatic release. |

| ITEMS                 | DESCRIPTION                                                                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Tire type             | 18 x 8.50 – 8.00 Tubeless – 4 ply rating                                                                                                         |
| Tire pressure         | 0.8 kg/cm <sup>2</sup> (12 psi)                                                                                                                  |
| Maximum loading limit | 340 kg (750 lb)                                                                                                                                  |
| Battery               | Group 24, minimum 48 amp. hour<br>(Note: The positive terminal must be in the top right corner of the battery top to allow proper installation.) |

# CIRCUIT DIAGRAM

**Position/Color**

|         | W | R/W | Y | L | W/G | W/G | B | R | P | B/W |
|---------|---|-----|---|---|-----|-----|---|---|---|-----|
| Forward | ○ | ○   | ○ | ○ | ○   | ○   | ○ | ○ | ○ | ○   |
| OFF     | ○ | ○   | ○ | ○ | ○   | ○   | ○ | ○ | ○ | ○   |
| Reverse | ○ | ○   | ○ | ○ | ○   | ○   | ○ | ○ | ○ | ○   |

**Main switch**

|         | W/G | B | L | R/W | R | P | Y | B/W | W |
|---------|-----|---|---|-----|---|---|---|-----|---|
| Forward | ○   | ○ | ○ | ○   | ○ | ○ | ○ | ○   | ○ |
| OFF     | ○   | ○ | ○ | ○   | ○ | ○ | ○ | ○   | ○ |
| Reverse | ○   | ○ | ○ | ○   | ○ | ○ | ○ | ○   | ○ |

**Stop switch**

|     | W | R | B/W | B |
|-----|---|---|-----|---|
| ON  | ○ | ○ | ○   | ○ |
| OFF | ○ | ○ | ○   | ○ |

**Back buzzer**

**Relay**

**Fuse (10A)**

**Voltage regulator**

**Battery 12V50AH**

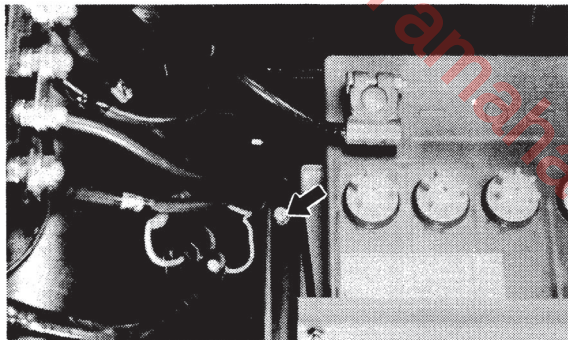
**Starter generator**

**Relay**

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## WIRING

Keep the wiring ground secured in position to avoid damage to the casing, internal parts, or connection posts and wire.





## WARRANTY INFORMATION

Please refer to your copy of the Yamaha Warranty Certificate for details of the warranty offered on your new Yamaha.

Becoming familiar with these policies will be to your advantage in making the best use of Yamaha's warranty program.

The Yamaha Golf Car is designed and manufactured in accordance with very strict standards of quality. Your servicing dealer completely services and checks each new Yamaha Golf Car as certified by your copy of the Dealer Assembly and Pre-Delivery Check List.

There are certain requirements which you must meet in order to qualify for warranty coverage. FIRST, your new Yamaha must be operated and maintained properly, as, explained in this manual. If you have any questions about any procedure in this manual, please consult your dealer. ABUSE AND NEGLECTED MAINTENANCE MAY LEAD TO MECHANICAL FAILURES WHICH WILL NOT BE COVERED UNDER WARRANTY.

SECOND, IF ANY PROBLEMS OCCUR WHICH YOU FEEL SHOULD BE COVERED UNDER WARRANTY, NOTIFY YOUR DEALER IMMEDIATELY. Don't delay, as small problems left unrepaired can become large problems which may not be covered under warranty. To assure proper warranty registration of your golf car(s), be sure that the Dealer Assembly and Pre-Delivery Check List is completed and that you have been given your copy.

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Cypress, California

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