

YAMAHA

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

GOLF CAR

G5A

G5-A OWNER'S MANUAL

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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Some data in this manual may become outdated due to improvements made to this model in the future.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.

SERVICE DEPT.
LEISURE VEHICLE AND POWER
PRODUCTS OPERATIONS
YAMAHA MOTOR CO., LTD.

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



The Safety Alert Symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

⚠ WARNING

Failure to follow WARNING instructions could result in severe injury or death to the machine operator, a bystander, or a person inspecting or repairing the machine.

IMPORTANT:

AN IMPORTANT indicates special precautions that must be taken to avoid damage to the machine.

NOTE:

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

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WIRING DIAGRAM

[illegible]

YAMAHA MOTOR CORPORATION, U.S.A. G5 GOLF CAR LIMITED WARRANTY

Yamaha Motor Corporation, U.S.A. hereby warrants that any new G5 (gas and electric models) Yamaha Golf Car purchased from an authorized Yamaha dealer in the continental United States, will be free from defects in material and workmanship for the period of time stated herein, subject to the stated limitations.

THE PERIOD OF WARRANTY for any G5 (gas and electric models) will be two years from date of purchase.

The first year of warranty shall cover the entire car except for batteries, battery chargers, tires and rims which are warranted by their respective manufacturers.

The second year of warranty shall cover the engine assembly, clutch, transmission, axles, electrical system, frame, suspension components, electric motor, control cables, and steering gear.

Parts excluded from the second year of warranty include the body parts, seats, mats, bumper assembly, bag carrier, scorecard holder, and trim.

DURING THE PERIOD OF WARRANTY any authorized Yamaha Golf Car Dealer will, free of charge, repair or replace any part adjudged defective by Yamaha due to faulty workmanship or material from the factory. Parts used in warranty repairs will be warranted for the balance of the machine's warranty period. All parts replaced under warranty become property of Yamaha Motor Corporation, U.S.A.

GENERAL EXCLUSIONS from this warranty shall include any failures caused by:

- a. Abnormal strain, neglect, or abuse, including lack of proper maintenance, use contrary to the owners manual instructions.
- b. Accident or collision damage.
- c. Installation of parts or accessories that are not original equipment.
- d. Fading, rust or deterioration due to exposure or ordinary wear and tear.
- e. Modification or alteration that affects the car's condition, operation, performance, or durability, or which makes the car serve a purpose other than that as a two-person, closed grounds vehicle.

SPECIFIC EXCLUSIONS from this warranty shall include any parts replaced due to normal wear or routine maintenance, including oil, air filter elements, brake shoes, spark plugs, starter, and clutch drive belts. Any charges incurred in transporting a golf car to and from an authorized Yamaha Golf Car Dealer for service or in performing field service is also excluded from this warranty.

THE CUSTOMER'S RESPONSIBILITY under this warranty shall be to:

1. Operate and maintain the golf car as specified in the appropriate Owner's Manual;
2. Give notice to an authorized Yamaha dealer of any and all apparent defects within ten (10) days after discovery, and make the machine available at that time for inspection and repairs by the dealer's authorized representative.

WARRANTY TRANSFER: To transfer the warranty from the original purchaser to any subsequent purchaser, it is imperative that the machine be inspected and registered for warranty by an authorized Yamaha Golf Car Dealer. In order for this warranty to remain in effect, this inspection and registration must take place within ten (10) days after transfer. An inspection and registration fee will be charged for this service.

YAMAHA MOTOR CORPORATION, U.S.A. MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED. ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEED THE OBLIGATIONS AND TIME LIMITS STATED IN THIS WARRANTY ARE HEREBY DISCLAIMED BY YAMAHA MOTOR CORPORATION, U.S.A. AND EXCLUDED FROM THIS WARRANTY.

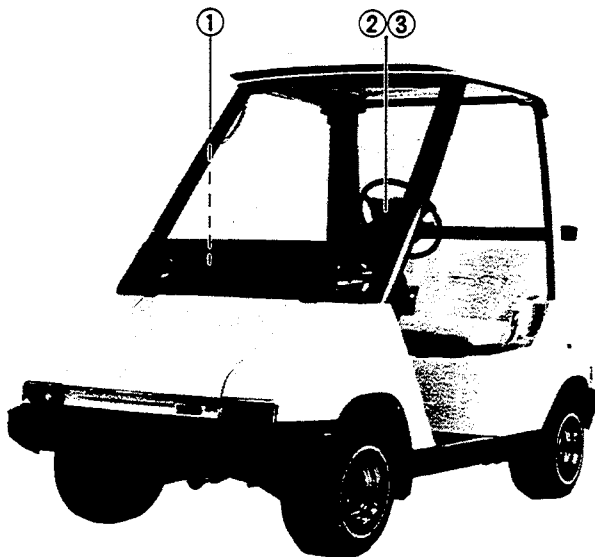
SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. ALSO EXCLUDED FROM THIS WARRANTY ARE ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING LOSS OF USE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

YAMAHA MOTOR CORPORATION
Post Office Box 6555
Cypress, California 90630

LOCATION OF THE IMPORTANT LABELS

Never remove any labels on your Golf car. If a label becomes difficult to read or comes off a replacement label is available from your Yamaha dealer.



①

▲ WARNING

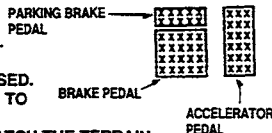
FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN SEVERE PERSONAL INJURY OR DEATH.

- OPERATION BY AUTHORIZED ADULTS ONLY AND ONLY IN DESIGNATED AREAS.
- THIS VEHICLE IS RESTRICTED TO TWO OCCUPANTS.
- DO NOT START THE VEHICLE UNTIL ALL OCCUPANTS ARE SEATED.
- REMAIN SEATED AND HOLD ON WHEN IN MOTION.
- KEEP ENTIRE BODY INSIDE VEHICLE.
- DRIVE SLOWLY IN TURNS.
- DRIVE SLOWLY STRAIGHT UP AND DOWN SLOPES.
- SET PARKING BRAKE BEFORE LEAVING VEHICLE.
- TURN MAIN SWITCH TO "OFF" AND REMOVE KEY WHEN NOT IN USE.
- READ OPERATING INSTRUCTIONS ON STEERING WHEEL BEFORE OPERATION.

②

OPERATING INSTRUCTIONS

- READ WARNING LABEL ON THE INSTRUMENT PANEL BEFORE OPERATING.
- BE SURE OCCUPANTS ARE SEATED.
- SELECT FORWARD OR REVERSE BEFORE TURNING MAIN SWITCH TO "ON".
- THIS VEHICLE STARTS AUTOMATICALLY WHEN ACCELERATOR PEDAL IS DEPRESSED. RELEASE THE PEDAL AND APPLY BRAKE TO STOP.
- VARY THE SPEED OF THE VEHICLE TO MATCH THE TERRAIN.
- BRING THE VEHICLE TO A COMPLETE STOP BEFORE REVERSING DIRECTION.
- DRIVE WITH EXTRA CARE IN CONGESTED AREAS AND WHEN OPERATING IN REVERSE.
- ALWAYS SET PARKING BRAKE SECURELY AND TURN MAIN SWITCH TO "OFF" BEFORE LEAVING THE VEHICLE.
- PARKING BRAKE WILL RELEASE WHEN ACCELERATOR PEDAL IS DEPRESSED.
- DO NOT EXCEED THE FACTORY SPEED SETTING OF 12 MPH UNDER ANY CIRCUMSTANCES.
- READ THE OWNER'S MANUAL FOR FURTHER INFORMATION.



ATTENTION

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

③

PUSH IN CHOKE KNOB

! AFTER WARMING UP !

SAFETY INFORMATION

FAILURE TO OBEY THESE SAFETY WARNINGS MAY RESULT IN SEVERE PERSONAL INJURY OR DEATH.

BEFORE OPERATING THE VEHICLE

- Read the Owner's Manual carefully and be sure you understand the controls.
- Always perform the pre-operation checks listed in this manual before driving this vehicle.
- This vehicle was designed to carry two adults only, and only when the operator and passenger are seated on the seats provided.
- Operate the vehicle only in designated driving areas.
- Non-approved modifications may render the vehicle unsafe and could cause injury.
- Do not depress the accelerator pedal until after the main switch has been turned on.

WHILE OPERATING THE VEHICLE

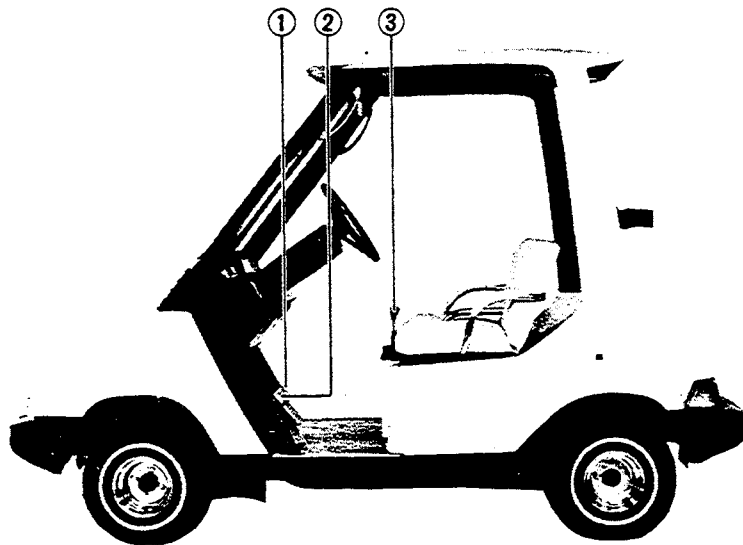
- Be sure all occupants remain seated and that the passenger holds onto the arm rest.
- Keep arms, legs, and feet inside the vehicle.
- Slow down when turning.
- Avoid sharp, quick turns.
- Vary the speed of the vehicle to match the terrain.
- If you come to an incline, drive directly up or down the incline — never drive across a slope at an angle.

- Keep speed down and exercise caution when going downhill.
- Do not exceed the factory set maximum speed of 12 mph under any circumstances.
- Do not use the accelerator to hold the vehicle at a standstill on an incline; the vehicle may become damaged. Use the brake to hold the vehicle at rest while on a hill.

BEFORE LEAVING THE VEHICLE

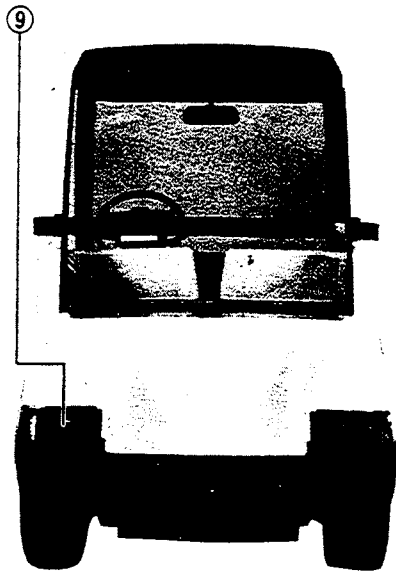
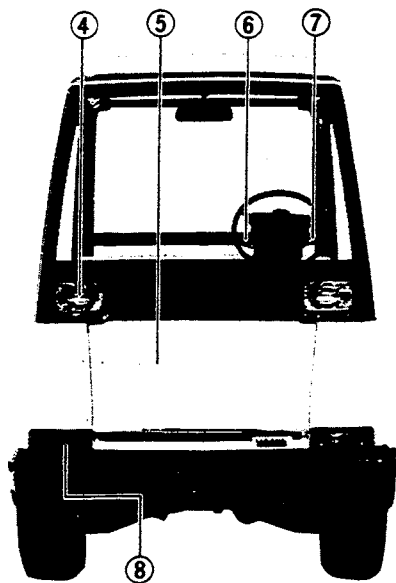
- Turn the switch to the "OFF" position, and remove the key.
- Always set the parking brake by firmly depressing the parking brake pedal.
- Avoid parking on an incline. If you must park on an incline, block the wheels. Accidental movement of the accelerator pedal may cause the vehicle to roll down the incline.

DESCRIPTION



NOTE: _____

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



1. Accelerator pedal
2. Parking brake pedal
3. Drive select lever

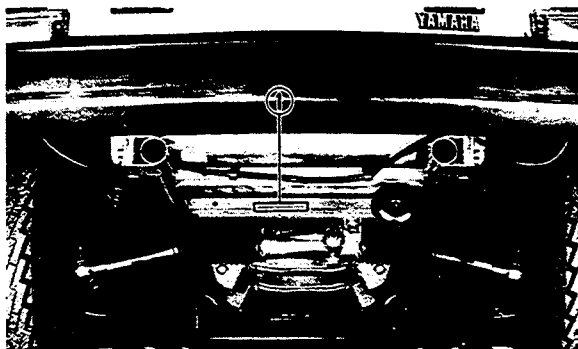
4. Headlight
5. Front trunk
6. Horn switch lever

7. Combination switch lever
8. Marker light
9. Tail/brake light

MACHINE IDENTIFICATION

Frame serial number

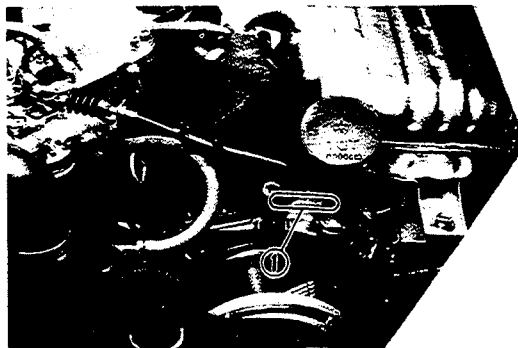
The frame serial number is located on the front of the cross frame. The first three digits identify the model. This is followed by a dash. The remaining digits identify the production number of the unit.



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.

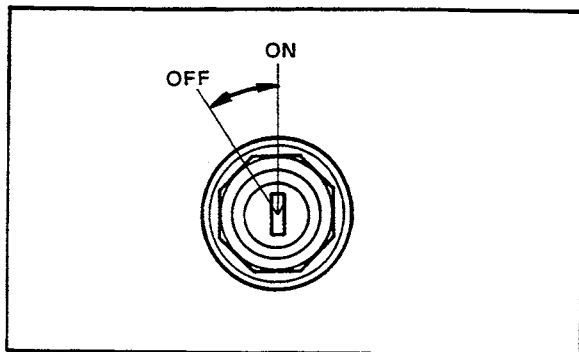


1. Engine serial number

MAIN PARTS FOR OPERATION

Main switch

The main switch has two positions, on and off. Turn to the right for the "ON" position. Whenever the key in the "OFF" position, the engine cannot be started and the key can be removed.



Drive select lever

The drive select lever is used to shift the machine into forward, or reverse.

Accelerator pedal

With the main switch in the "ON" position, depressing the accelerator pedal will start the engine and make the vehicle move in the selected direction. When the accelerator pedal is released, the engine will stop and the vehicle will coast to a halt.

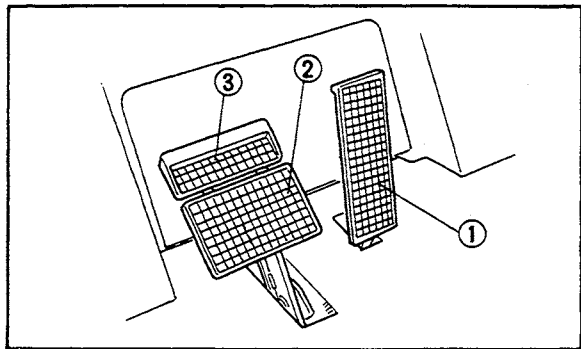
Brake pedal

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

When the brake is operated, the brake light will illuminate.

Parking brake

The parking is located above the regular brake pedal. It functions as a lock on the regular brake. The parking brake is activated by depressing it. Depressing the accelerator pedal will release the parking brake.



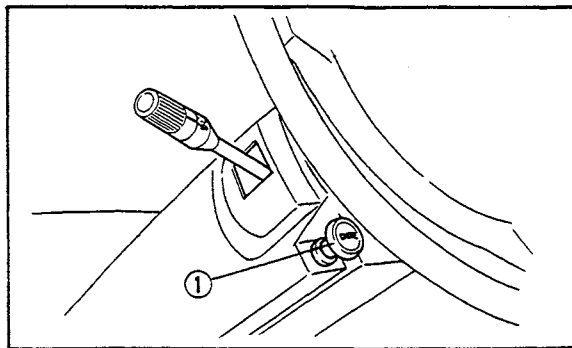
- 1. Accelerator pedal
- 2. Brake pedal
- 3. Parking brake pedal

NOTE: _____

With the main switch in the "ON" position and the engine stopped. The brake lights will automatically be switched off regardless of brake or parking brake activation.

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

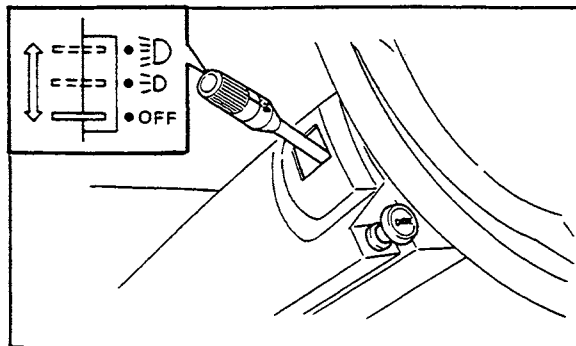
Combination headlight, dimmer, and turn switch

Light switch:

To turn the lights on, twist the knob on the lever end.

Twist the knob to "≡D", to turn on the marker, license, and tail lights.

Twist the knob to "≡D", to turn on the head, marker, license, and taillights.



Light (dimmer) switch:

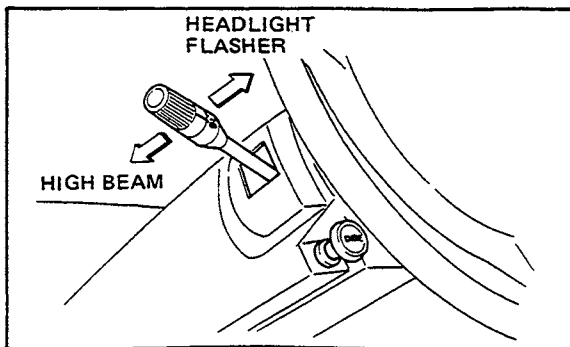
For the high beam, push down the lever.

Pull it back for the low beam.

For the headlight flasher, pull it further back.

NOTE:

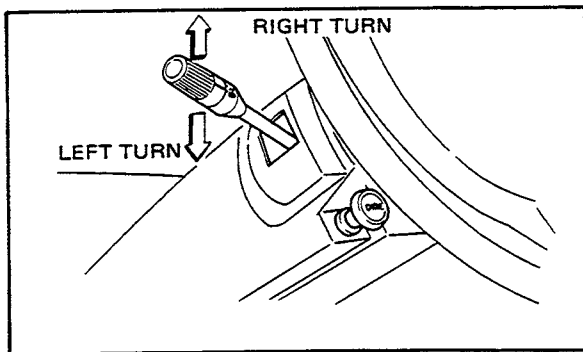
The headlight flasher works whether the headlight switch is on or off.



Turn signal switch:

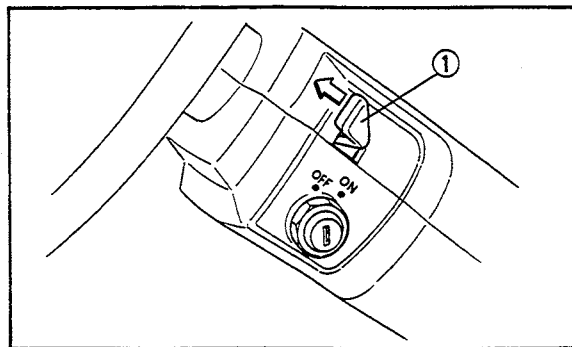
To signal a right or left-hand turn, push the lever as shown.

To cancel the signal, return the lever to the original position. Or returning the steering wheel to the "straight" position allows the self-cancelling device to cancel the signal.



Horn switch

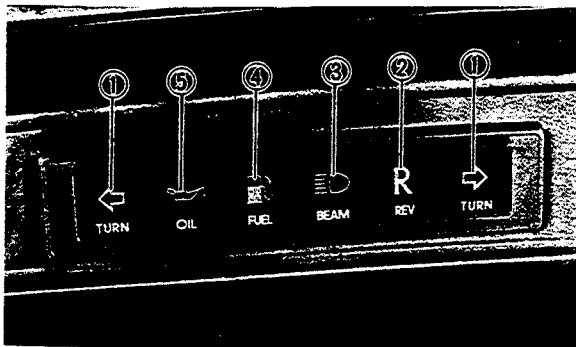
Pull up the lever to sound the horn.



1. Horn switch lever

Indicator lights

- "TURN" indicator light (orange)
This indicator flashes when the turn switch is "ON".
- "BEAM" indicator light (blue)
This indicator comes on when the headlight high beam is "ON".



- | | |
|---------------------------|---------------------------|
| 1. "TURN" indicator light | 4. "FUEL" indicator light |
| 2. "REV" indicator light | 5. "OIL" indicator light |
| 3. "BEAM" indicator light | |

- "REV" indicator light (red)

This indicator light comes on when the main switch is "REV" position.

- "OIL" and "FUEL" indicator light (red)

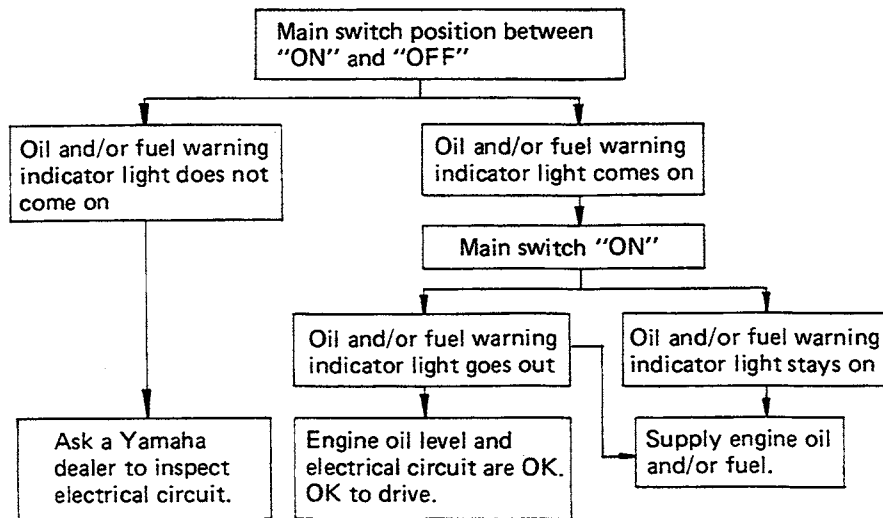
This indicator comes on when the oil or fuel level is low.

The circuit of this light can be checked by the following procedure.

IMPORTANT:

Do not run the golf car until you know the golf car has enough engine oil and/or fuel.

Oil and fuel warning light checking method



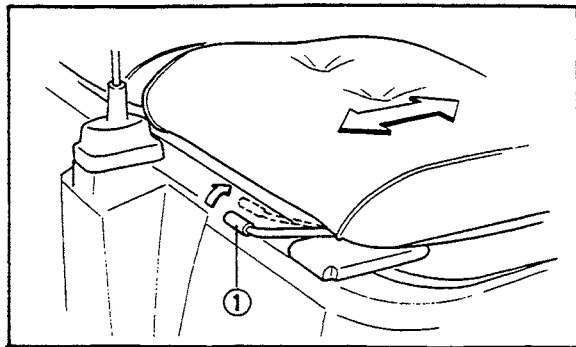
Seat adjustment

Slide the seat lock lever as shown. Move the seat to the desired position with slight body pressure and release the lever.

After releasing the seat lock lever, slide the seat forward and backward to make sure it is locked in position.

⚠ WARNING

This adjustment should not be made while the golf car is moving.

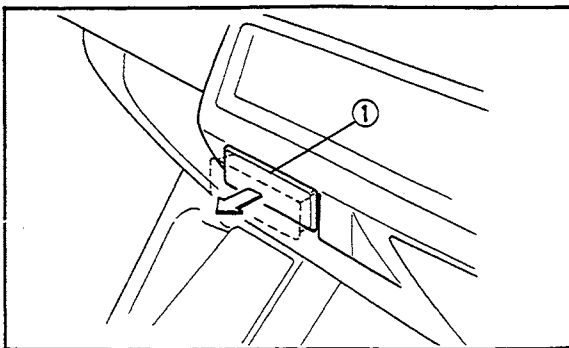


1. Seat lock lever

Ashtray

After using the ashtray, push it in completely. Otherwise the heat of a cigarette may cause other cigarette butts to burn, resulting in a fire.

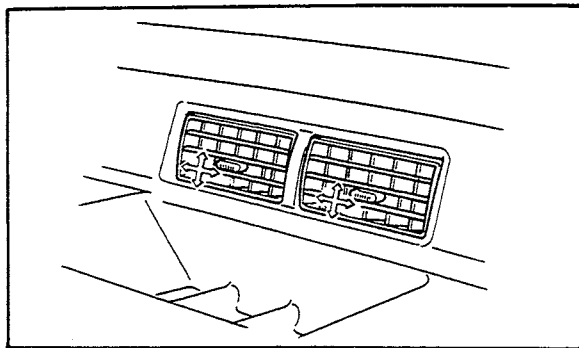
To remove the ashtray, press down on the protector and pull it out.



1. Ashtray

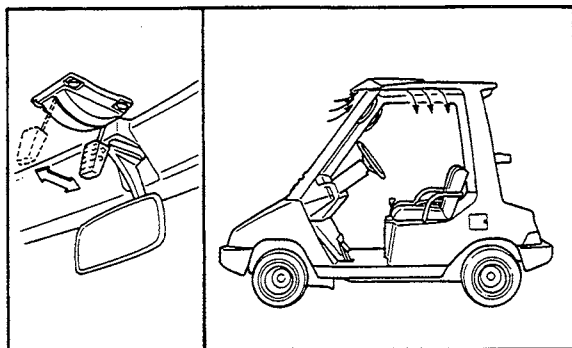
Air ducts

Air direction can be changed as shown.



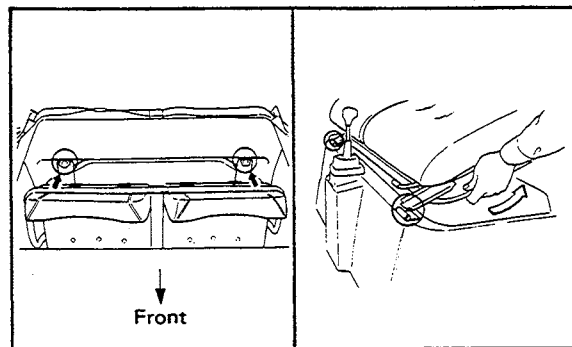
Roof ventilation

The roof vent may be opened or closed as shown.



Seat removal

1. Remove the bolts.
2. Pull the seat stopper end as shown.

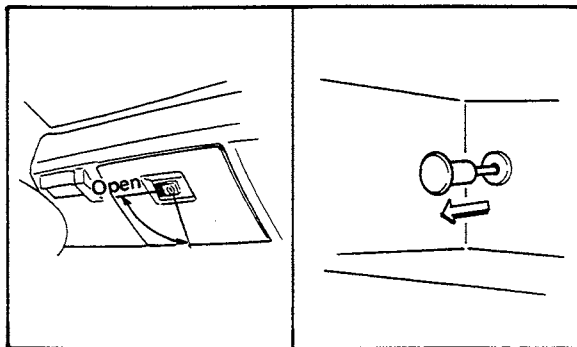


Seat installation

Install the seat by reversing the "seat removal" procedure.

Front trunk

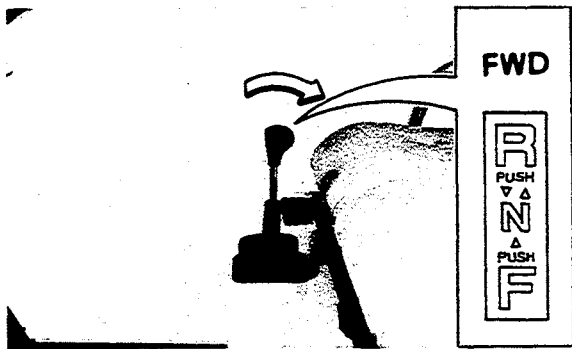
1. Open the glove box.
2. Pulling the knob as shown.



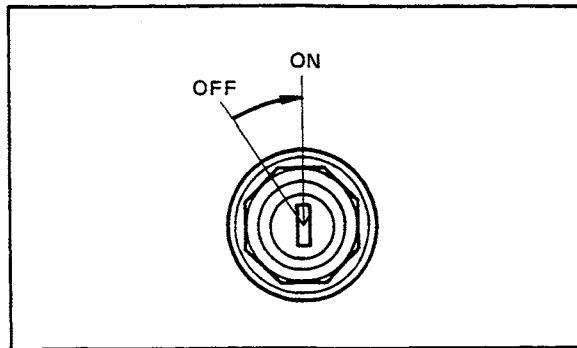
OPERATING INSTRUCTIONS

a. Forward

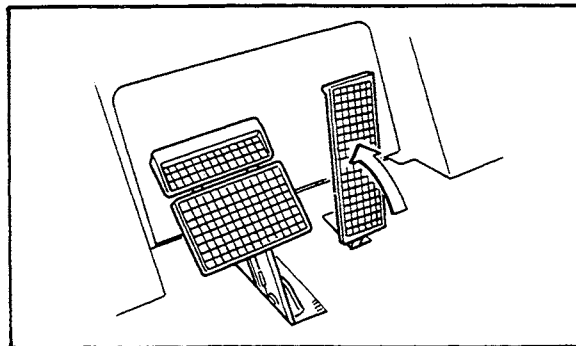
1. Shift the drive select lever to the "F" position.



2. Turn the main switch to the "ON" position.



3. Depress the accelerator pedal gradually.



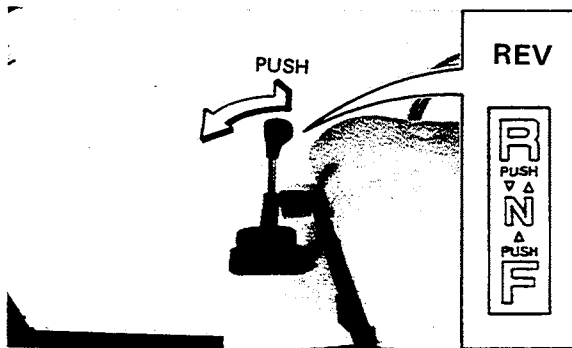
⚠ WARNING

Depressing the accelerator pedal fully before turning the main switch may cause loss of control, resulting in an accident.

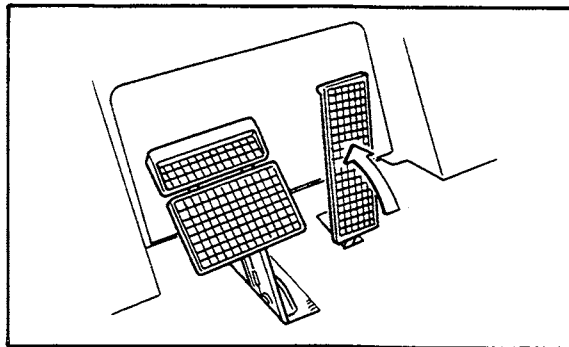
Turning the steering wheel sharply at high speeds may cause loss of tire traction, resulting in an accident.

b. Reverse

1. Bring the vehicle to a complete stop.
2. Shift the drive select lever to the " R " position.



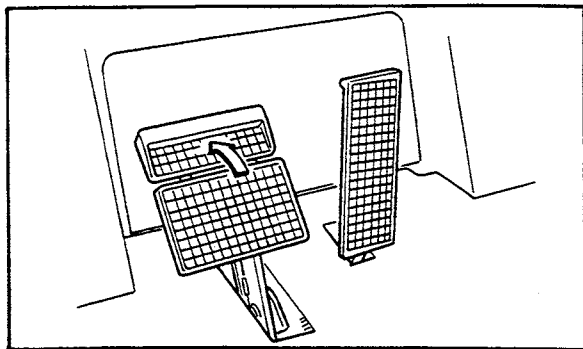
3. Depress the accelerator pedal gradually.



4. The back-up buzzer will sound until the accelerator pedal is released.

c. Starting on an upward slope

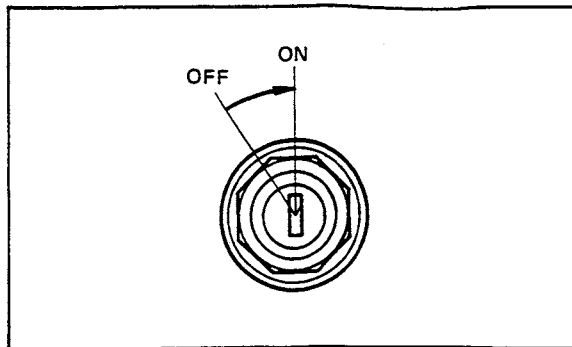
1. Set the parking brake.



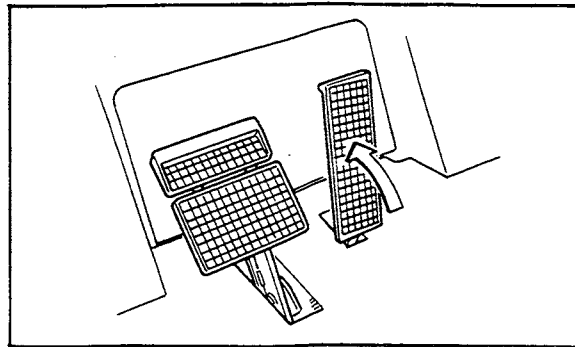
2. Shift the drive select lever to " F ".



3. Turn the main switch to "ON".



4. Depress the accelerator pedal.



⚠ WARNING

The crossing the side of a hill always drive straight up or straight down a hill to prevent car from tipping.

d. Choke

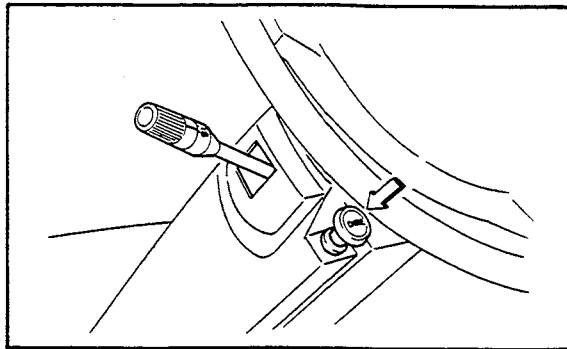
To start a cold engine, fully pull the choke knob and hold it. Slowly depress the accelerator pedal. Release the choke knob when the engine is started.

NOTE:

Push back the choke knob, when the engine warms up.

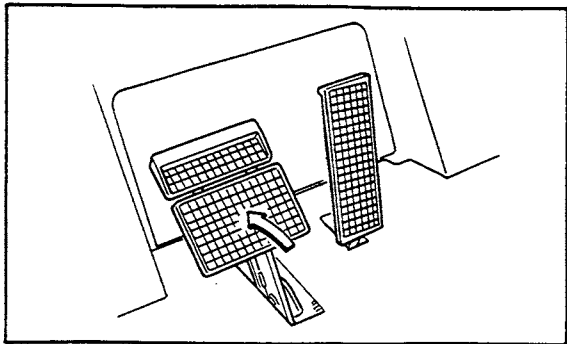
IMPORTANT:

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.



Stopping

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



Parking

a. Parking

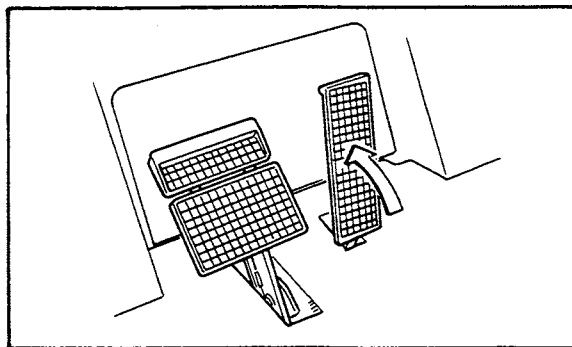
Always set the parking brake when parking the vehicle.

⚠ 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.



Speed

The vehicle is designed to attain its maximum operating speed on level ground. That speed can be easily exceeded when traveling down hill. Slow down and exercise caution when driving down slopes. Excessive speed will lengthen stopping distances, and may make the vehicle tend to tip while turning.

⚠ WARNING

Do not exceed the factory speed setting of 19 km/h (12 mph) under any circumstances.

Auxiliary D.C. terminal

Auxiliary D.C. terminal a located in the front panel. This terminal can be used for an accessory not exceeding maximum fuse rating 10A. Fuse for terminal a located in the fuse box.

Auxiliary D.C. Terminals: 12V 10A
--

IMPORTANT:

1. To prevent wiring damage, never use fuses of a higher amperage rating than specified.
2. The voltage (red lead) and the ground (black lead) must be observed when connecting the terminals.

TIPS FOR SAFETY

The Yamaha golf car may be used safely while following these basic rules.

- *Bring the car to a complete stop before changing drive select lever position.
- *Do not depress the accelerator pedal before turning on the main switch.
- *Avoid starting or stopping abruptly.
- *Avoid turning the steering wheel too sharply at high speed, an accident may result.
- *Keep your hands on the steering wheel and your eyes on the path ahead.
- *Always drive straight up or straight down inclines; never at an angle. Pay special attention when driving over rough terrain.
- *When backing up, do so slowly, and watch where you are going.
- *Park the car on a level surface as often as possible.

*Always apply parking and turn main switch to the "OFF" position when car is unattended.

*Never allow more than two people to ride in the car.

PRE-OPERATION CHECKS

Before using this golf car, check the following points.

NOTE:

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

Procedure	Item	Check point	Refer to page
1	Fuel tank	Fuel level	11-1
2	Oil tank	Oil level	11-2
3	Battery	Fluid level	11-4
4	Wheel	Tire pressure Cracks, damage, or hard objects embedded in tires	11-5
5	Steering wheel	Tightness, excess play Handling (Shaking, pulling to one side, stiffness)	15-3
6	Back-up buzzer	Back-up warning alarm at "reverse" key position	15-4
7	Choke	Operation of choke wire	7-4, 15-4
8	Brake pedal	Play	11-5 ~ 11-7
		Braking efficiency	15-3
9	Parking brake	Braking efficiency and releasing timing	6-2, 15-3
10	Accelerator pedal	Easy operation and return	6-1, 15-4

Procedure	Item	Check point	Refer to page
11	Miscellaneous	Installation of golf bag securing device. Any irregularities noticed during operation on the day before	15-3

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.

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 responsible 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 responsible 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.

PERIODIC MAINTENANCE TABLE

Use this table to determine maintenance by the number of rounds (hours) or the period which every comes first.

○ Checking or Adjusting ● Lubricating or Replacing

Item	Remarks	EVERY						Page
		Pre- Operation	20Rounds 10hours (1month)	125rds 60hrs (6mns)	250rds 130hrs (1year)	500rds 250hrs (2yrs)	1000rds 500hrs (4yrs)	
Engine	Adjustment: Valve clearance (cold) [Intake: 0.1 mm (0.004 in), Exhaust: 0.1 mm (0.004 in)]						○	
	Check tightness of cylinder head.						○	
	Check condition of air filter foam cover. Wash it with solvent and allow it to dry.			○	○			11-8
	Check condition of air filter element assy. Replace element.			○	●			11-9
	Check spark plug for condition of electrodes: Plug gap: 0.7~0.8 mm (0.028~0.031 in)			○	●			11-17
	Adjustment: Engine bracket tensioner. [Free play: 2 mm (0.08 in)]				○			11-15
	Check engine oil level.	○	○					11-2

Item	Remarks	EVERY						Page
		Pre- Operation	20Rounds 10hours (1month)	125rds 60hrs (6mns)	250rds 130hrs (1year)	500rds 250hrs (2yrs)	1000rds 500hrs (4yrs)	
	Replace oil: Oil amount: 1.1 L (1.16 US qt., 0.97 Imp qt) Oil type: SAE 10W30 type SE or SF motor oil (If temperature does not go below 2°C (35°F): SAE 20W40)				● (optional)		●	11-3
	Check oil delivery hose and check-valve, replace hose.					○	●	
	Check compression pressure.						○	
Fuel system	Adjustment: Throttle cable [Free play: 0.5 mm (0.02 in)]				○			11-11
	Adjustment: Choke cable [Free play: 1 mm (0.04 in)]				○			11-14
	Check operation of cables.	○			○			
	Check carburetor for dirt, or wear.					○		
	Check fuel lines for fuel leakage. Replace fuel hose.	○			○		●	
	Check fuel level, and fuel gauge of tank.	○						11-1

Item	Remarks	EVERY						
		Pre- Operation	20Rounds 10hours (1month)	125rds 60hrs (6mns)	250rds 130hrs (1year)	500rds 250hrs (2yrs)	1000rds 500hrs (4yrs)	Page
Primary and secondary sheaves	Check drive belt for slippage, wear, or scratches				○			11-18
	Grease primary sheave. Grease amount: 2~3 shots (manual grease gun), 2~3 seconds (automatic grease gun) Grease type: Molybdenum disulfide grease				●			
	Lubricate secondary sheave B/G area				●			
	Check for operation and wear of sliding sheave				○			
	Check for wear of ramp shoes on secondary spring seat. Wear limit: 1.0 mm (0.04 in)				○			
Trans- mission	Check for operation and installation of speed limiter.				○			
	Check for operation of forward-reverse shifting.				○			
	Check for damage of shifting cable, replace.				○		●	
	Check gearbox oil level and leakage.				○			

Item	Remarks	EVERY						Page
		Pre-Operation	20 Rounds 10 hours (1 month)	125 rds 60 hrs (6 mns)	250 rds 130 hrs (1 year)	500 rds 250 hrs (2 yrs)	1000 rds 500 hrs (4 yrs)	
	Replace gear box oil. Oil amount: 800 cc (0.70 Imp qt, 0.85 US qt) Oil type: SAE 90 gear oil						•	
Brakes	Check operation and adjust if necessary.	○	○					
	Adjustment: Brake wire end play [0.1 ~ 0.5 mm (0.004 ~ 0.02 in)]		○					11-7
	Check for wear or damage parking brake ratchet and stopper.					○		
	Check shoe lining thickness: Wear limit: 1.5 mm (0.06 in)				○			
	Check drum inside diameter: Wear limit: 166 mm (6.34 in)				○			
Steering	Check operation and adjust if necessary.	○	○					15-3
	Check gearbox for grease leakage. Grease amount: 90 cc (3.17 Imp oz, 3.04 US oz) Grease type: Multi type grease.						○	
	Adjustment: Wheel alignment [Toe-in: Unloaded 15 ± 5 mm (0.59 ± 0.20 in), Fully loaded 0 mm (0 in)]				○			

Item	Remarks	EVERY						Page
		Pre- Opera- tion	20Rounds 10hours (1month)	125rds 60hrs (6mns)	250rds 130hrs (1year)	500rds 250hrs (2yrs)	1000rds 500rds (4yrs)	
Wheel	Check kingpin play.				○			
	Check seal, cap of kingpin for damage.				○			
	Lubricate kingpin.				●			
	Check tire pressure and correct if necessary. Front and rear: 120 kPa (1.2 kg/cm ² , 17 psi)	○	○					11-5
	Check tire groove depth or far damage. Wear limit: 1.0 mm (0.04 in)				○			
	Check tire surface for damage, cracks, or hard objects embedded.	○			○			
	Check tightness of wheel nut.				○			
	Check wheel rims for damage.				○			
	Check for play front wheel bearing.				○			
Body & Chassis	Check for play rear axle bearing.				○			
	Check rear axle for cracks, or distortion.				○			
	Check body and chassis for damage.				○			
	Check tightness of all bolts, nuts and screws.				○			

Item	Remarks	EVERY						Page
		Pre-Operation	20 Rounds 10 hours (1 month)	125 rds 60 hrs (6 mns)	250 rds 130 hrs (1 year)	500 rds 250 hrs (2 yrs)	1000 rds 500 hrs (4 yrs)	
	Check shock absorber for oil leakage.				○			
	Check coil spring for cracks, or damage.				○			
Starter	Check starter V-belt for damage, tension, and tightness.				○			11-21
	Check brushes for wear. Wear limit: 16 mm (0.63 in)					○		
	Check commutator for dirt.					○		11-4
Battery	Check electrolyte level.	○	○					11-4
	Check specific gravity of electrolyte.				○			11-4
Accelerator stop switch	Check operation, and adjust if necessary.				○			
Back-up buzzer	Check operation.	○						15-4
NOTE: Keep high pressure water away from all electric parts; solenoid and connector.								

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.

Refueling

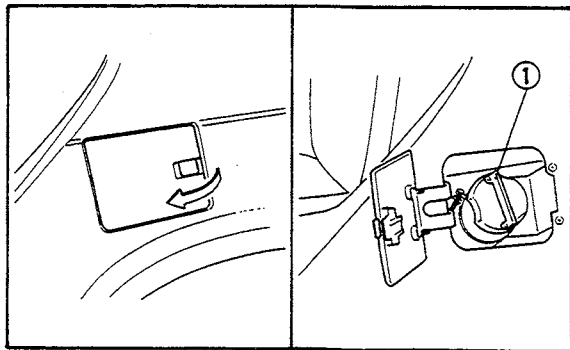
Check the fuel level gauge as often as necessary according to your usage of the golf car and fill the fuel tank if necessary.

Fuel tank capacity:

15 L (3.3 Imp gal, 4.0 US gal)

Recommended fuel:

Unleaded regular gasoline only



1. Fuel tank cap

Engine oil level check

1. To check the oil level, the goif car must keep horizontal with its each wheels on the ground. Warm up the engine for several minutes.
2. When checking the oil level, stop the engine and remove the oil level gauge.

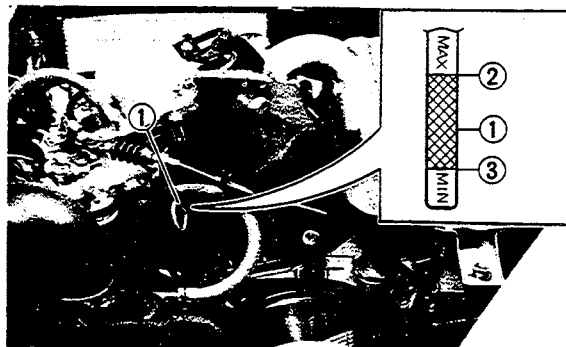
NOTE: _____

Wait a few minutes until the oil level settles before checking.

IMPORTANT: _____

When remove the oil level gauge, take care so that the starter belt and its vicinity are not smeared with oil. If they are smeared, wipe them with a dry cloth, etc.

3. The oil level gauge has a minimum and maximum mark; the oil level should be between the two. If the level is low add oil to raise it to the proper level.



1. Oil level gauge 2. Maximum level 3. Minimum level

Recommended oil:

SAE 10W30 type SE or
SF motor oil

Oil quantity:

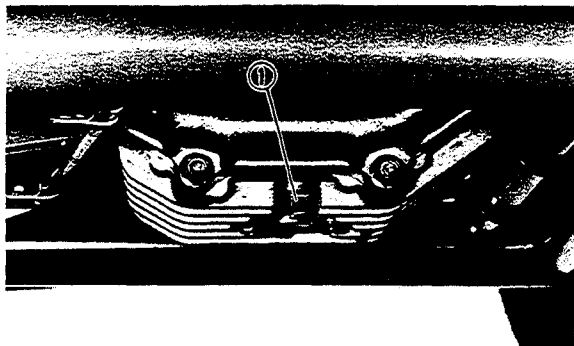
1.1 L (1.0 Imp qt, 1.2 US qt)

IMPORTANT: _____

Be sure no foreign material enters the crank-case.

Engine oil replacement

1. To drain the oil, warm up the engine for several minutes.
2. Place an oil pan under the engine.
3. Remove the drain bolt and drain the oil.

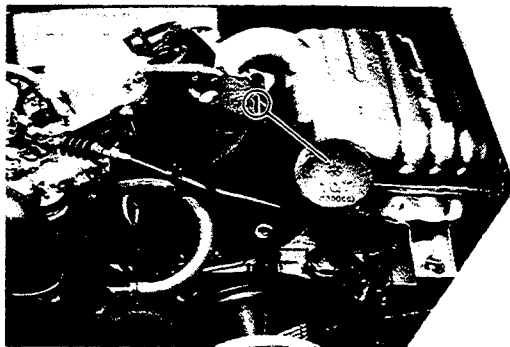


1. Drain bolt

4. Reinstall the drain bolt (make sure it is tight).

Drain bolt torque:
35 Nm (3.5 m • kg, 25 ft • lb)

5. Add oil through the oil filler hole.



1. Oil filler hole

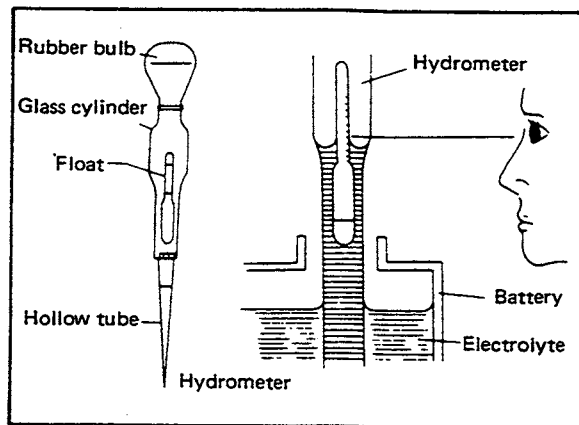
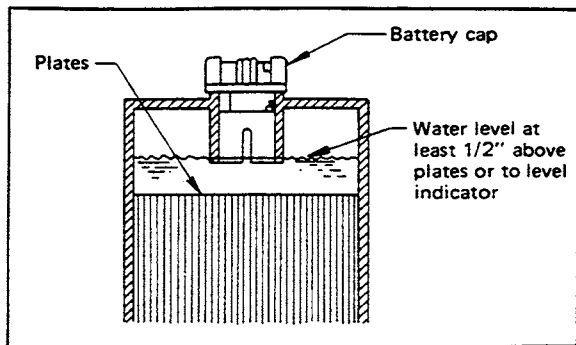
Periodic oil change:
1.1 L (1.0 Imp qt, 1.2 US qt)

6. After replacement of engine oil, be sure to check for oil leaks. The oil warning indicator light should go off after the oil is filled.

Battery

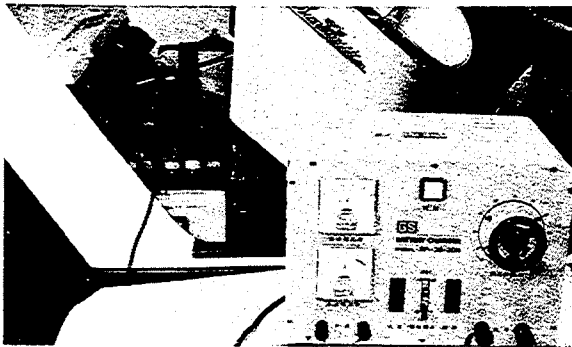
Check electrolyte level periodically and fill the battery with distilled water up to the specified level.

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.



Battery charging

- Turn the main switch to the "OFF" position.
- Open the seat 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.

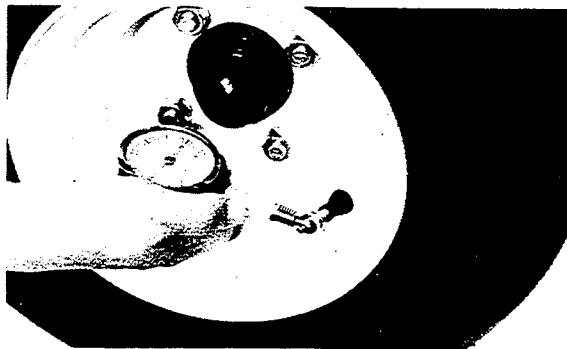


- e. Set the battery charger at 2.5A (when the battery is a 50-Ah type) and charge it until the specific gravity of the battery fluid is 1.26 at 26.7°C (80°F).

Tires

Check tire pressure. Tire pressure should be 120 kPa (1.2 kg/cm², 17 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)



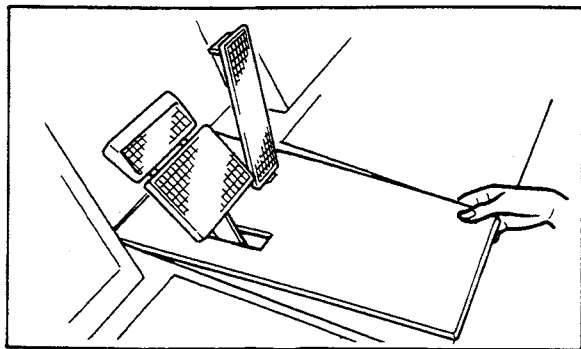
Brakes

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.

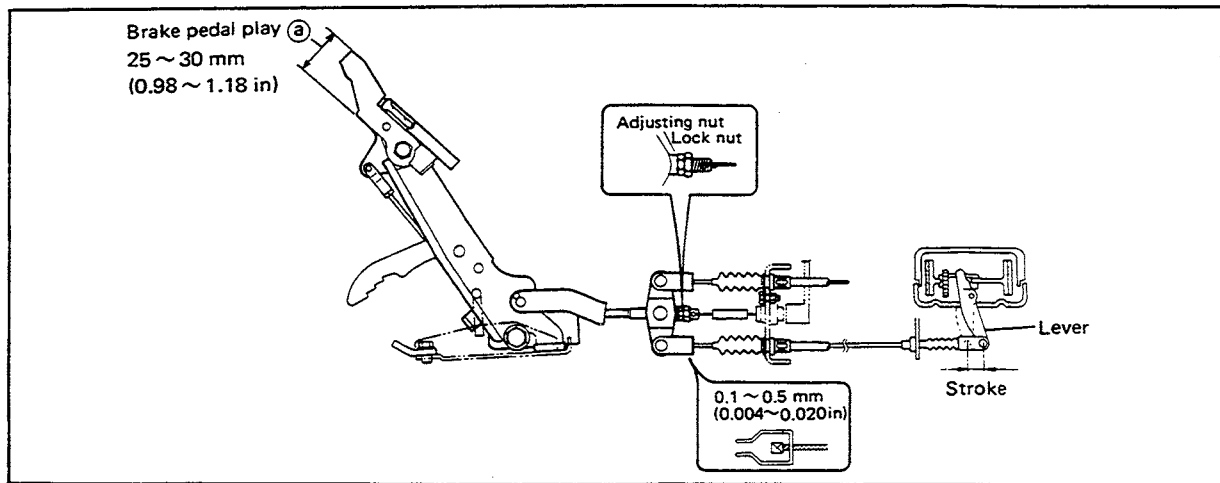


- 2) Check the brake pedal free play as illustrated.

Brake pedal free play ㉑ :
25 ~ 30 mm (0.98 ~ 1.19 in)

⚠ WARNING

1. To provide the brake shoe self-adjusting lever with an effective stroke, the brake wire end (as illustrated) 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 ㉑ to increase with the resultant braking feel.
2. If the brake wire end play is too loose, it will cause the brake pedal play ㉑ to increase accordingly, also resulting in a bad braking feel.

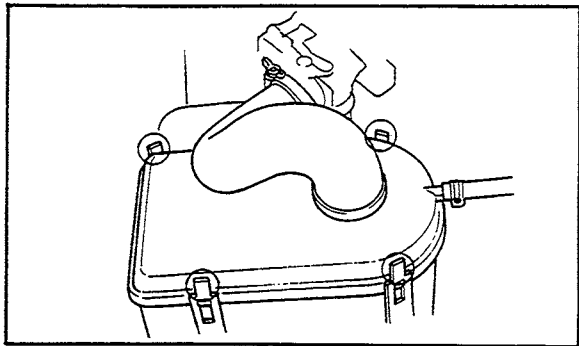


If necessary, adjust the brake wire end play by turning the adjusting nut and lock it with the Lock nut.

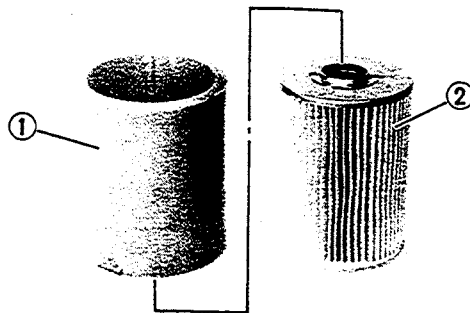
Adjustment (Adjusting nut)	Free play (Brake wire end)
Tightening	Decreasing
Loosening	Increasing

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

Air filter



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



1. Element cover

2. Air filter element

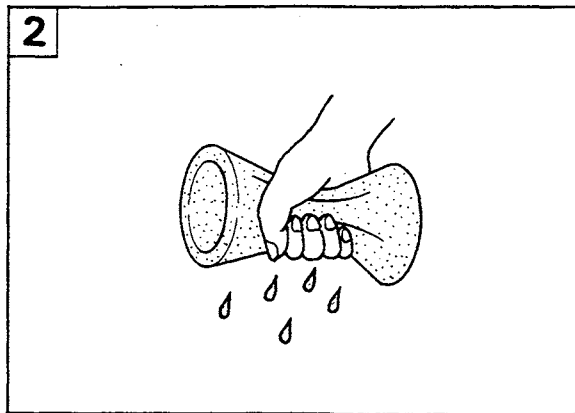
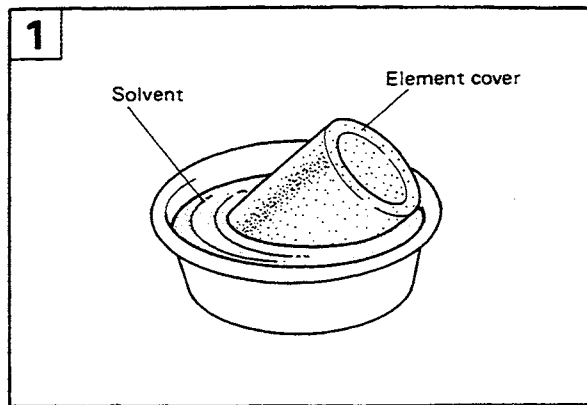
a. Element cover

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.

IMPORTANT:

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



b. Air filter element assy

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

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

IMPORTANT:

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 filter case grommet

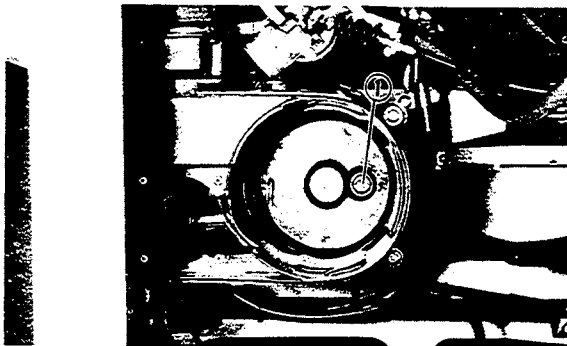
To remove the sand and grass collecting in the filter case, remove the grommet from the case so the opening can be used as a drain hole for cleaning.

NOTE:

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

IMPORTANT:

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

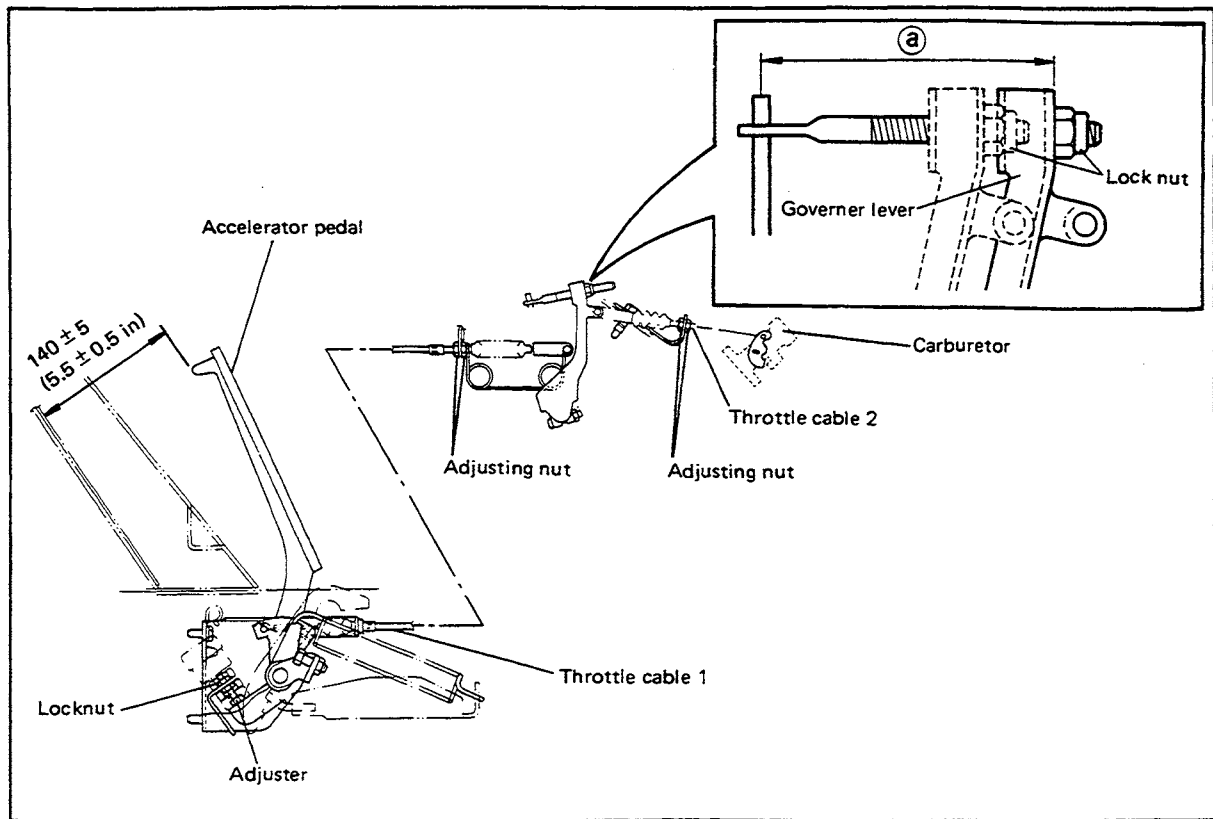


1. Grommet

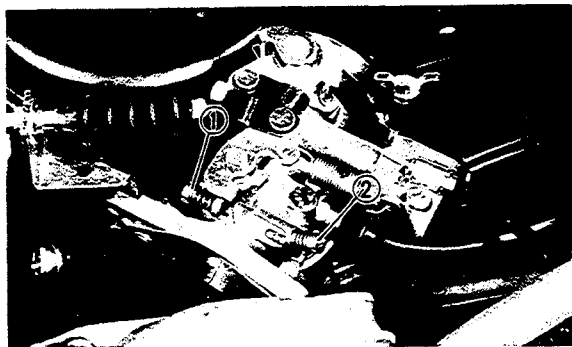
Throttle wire adjustment

1. Turn the main switch to "OFF".
2. Block the wheel with wheel stoppers.
3. Remove the rear cowl.
Refer to page 11-18.
4. Pedal height adjustment
 - a. Loosen the lock nut.
 - b. By turning the adjuster clockwise or counterclockwise, adjust the accelerator pedal position.
 - c. Secure the lock nut.
5. Throttle cable 2 adjustment.
 - a. Swing the governor lever counter-clockwise until it stops completely.
 - b. While keeping the lever at this position, check that the throttle valve in the carburetor is fully open.
 - c. If not, adjust the throttle cable 2 by turning the adjusting nuts in or out.

6. Throttle cable 1 adjustment
 - a. Screw out the locknut in the governor lever to make longest distance ①.
 - b. Depress the accelerator pedal to limit.
 - c. While keeping the pedal at this position, check that the throttle valve in the carburetor is fully open.
 - d. If not, adjust the throttle cable 1 by turning the adjusting nuts in or out.
 - e. Adjust the speed limiter to initial setting.



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 $1/8 \sim 1/4$ turn each time.

Number of turns out of pilot screw (PS):
1-1/2 turn out

NOTE:

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

IMPORTANT:

***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 (PS) is 1-1/2 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 1/4 turns.

Standard throttle stop screw (S.S.) setting:
1/4 turns in

Choke cable adjustment

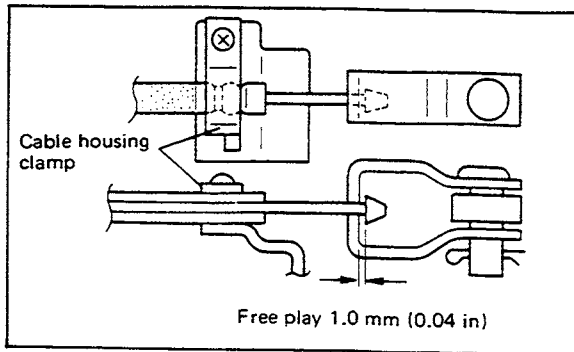
Adjust the outer cable by positioning it in the cable housing clamp so the choke cable lever has a play of about 1 mm (0.04 in).

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



1. Choke cable

2. Cable housing clamp



Engine bracket tensioner

Check to see that the gap between the damper and rear arm bracket is 2 mm (0.08 in).

Standard gap between damper and rear arm bracket: 2 mm (0.08 in)
--

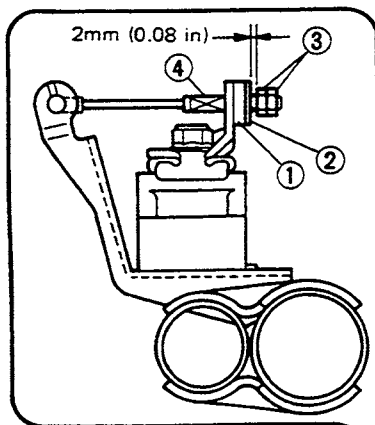
IMPORTANT:

- If there is no gap, that is, if the damper 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.
-

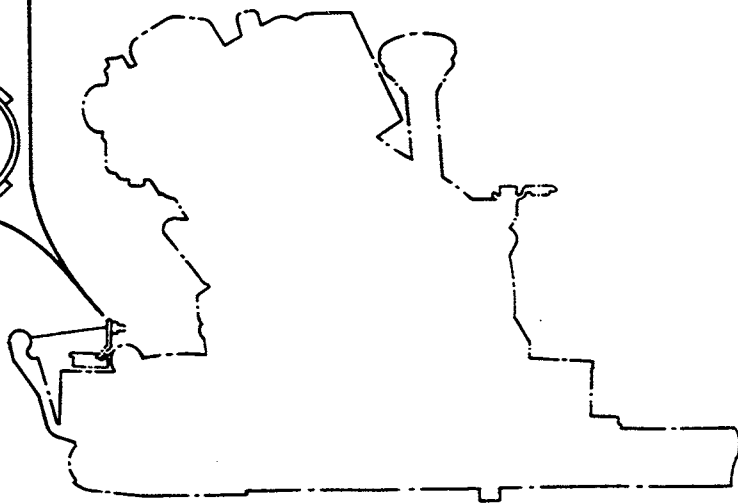
ADJUSTMENT

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

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



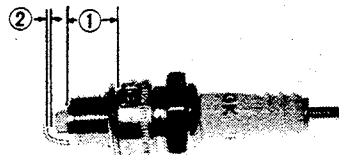
1. Damper
2. Plain washer
3. Lock nut
4. Tensioner



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

Standard spark plug: BR-4ES (NGK)



1. 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: 19.0 mm (0.75 in)

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

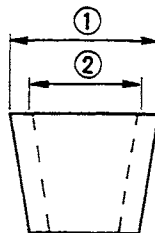
Spark plug gap:
0.7 ~ 0.8 mm (0.028 ~ 0.031 in)

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:
20 Nm (2.0 m·kg, 14 ft·lb)

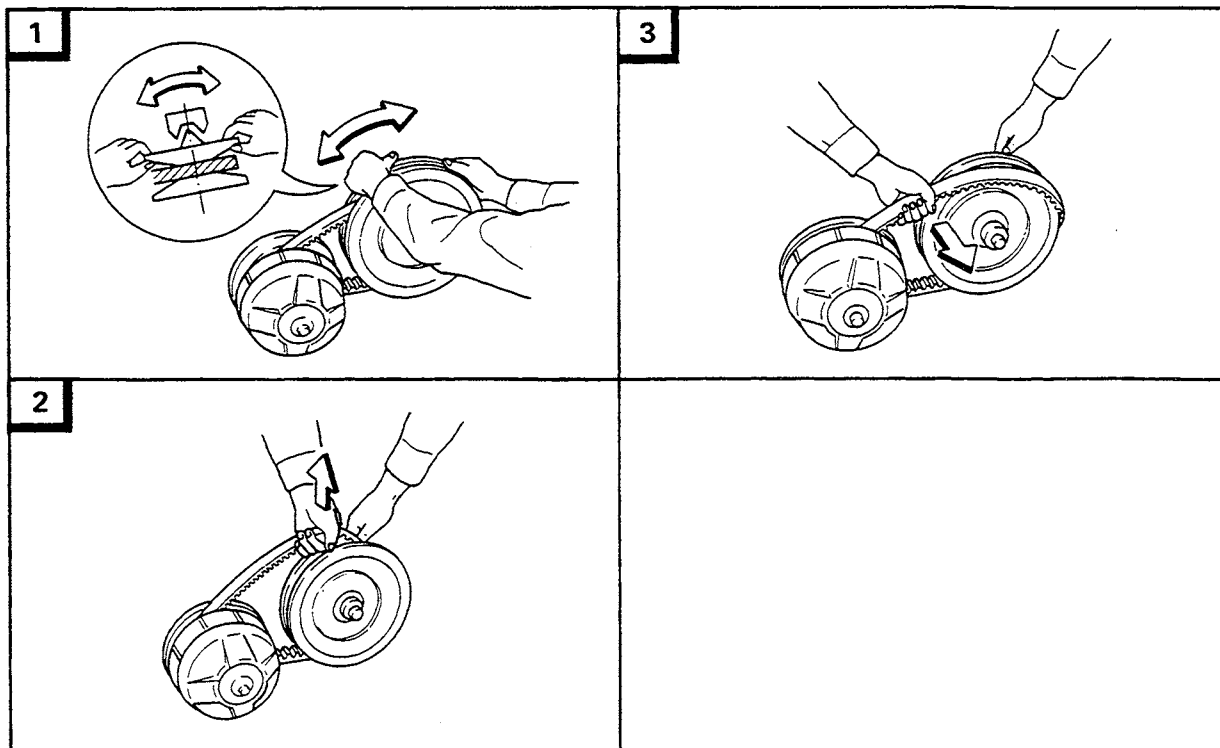
Clutch belt

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

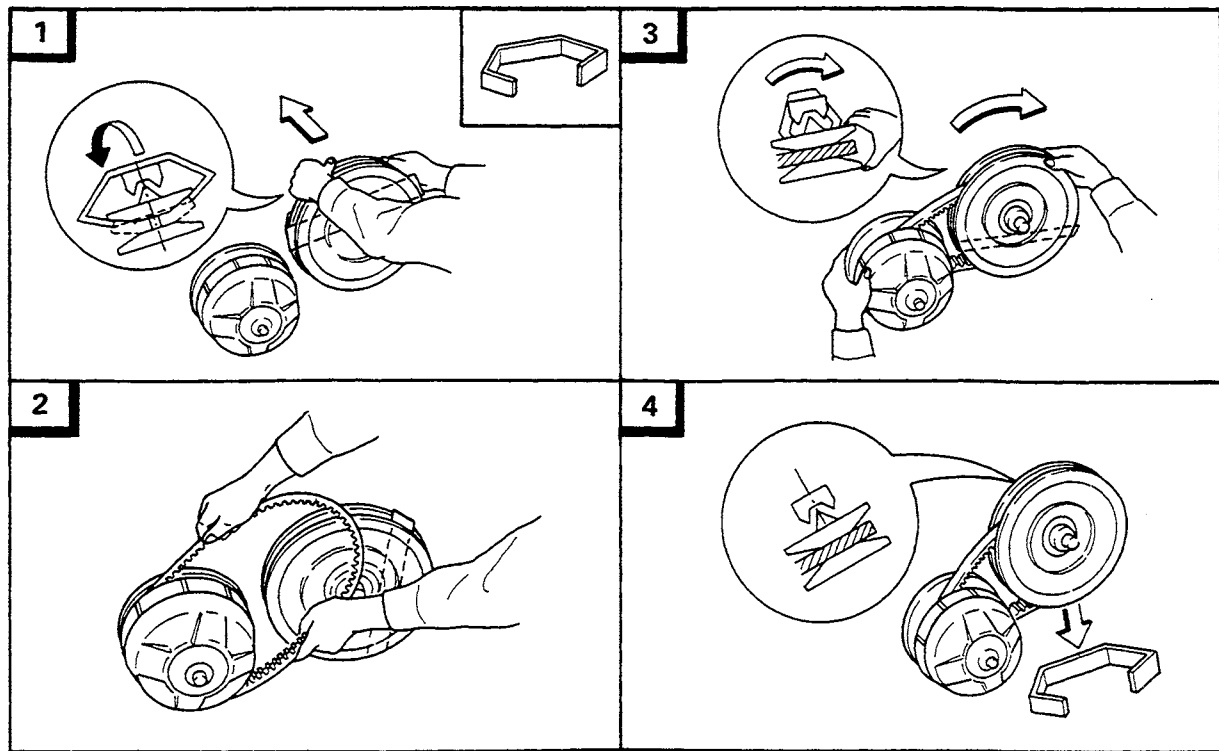


1. New: 31.0 mm (1.22 in)
2. Wear limit: 27 mm (1.06 in)

How to remove the V-belt

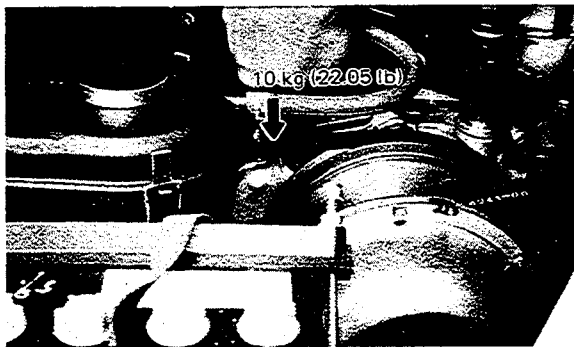


How to install the V-belt



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)

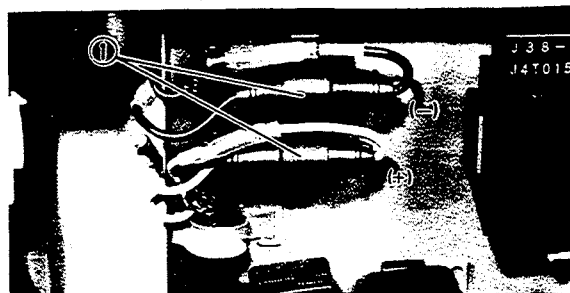
8 mm/10 kg (0.31 in/22.05 lb)

Normal

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

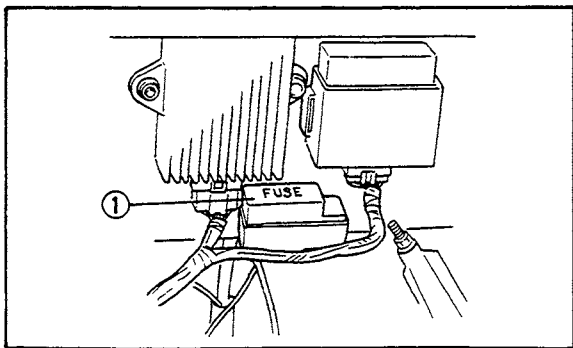
Fuse replacement

1. There are two fuse cases and one fuse box on this golf car, located under the seat two of them.



1. Fuse case

2. Spare fuse



1. Fuse box

2. If the fuse is blown, turn off the main switch and install a new fuse of proper amperage.

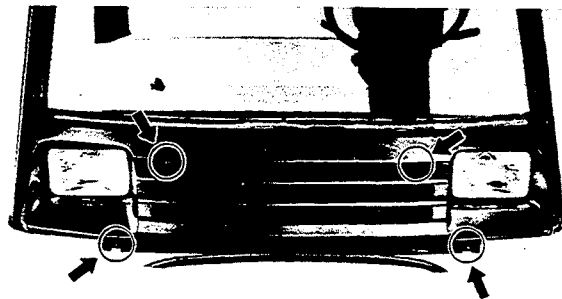
Then turn on the switches, if the fuse immediately blows again, consult a Yamaha dealer or other qualified mechanic.

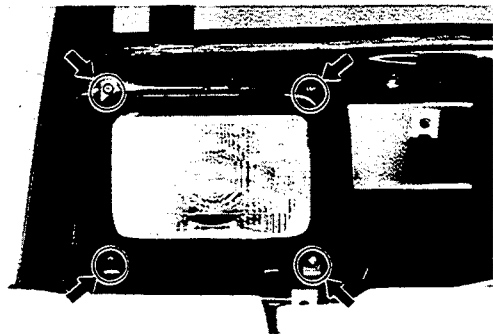
⚠ WARNING

Do not use fuses of higher amperage rating than those recommended. Substitution of a fuse of improper rating can cause extensive electrical system damage and possibly a fire.

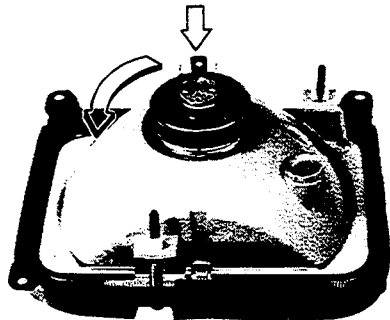
Headlight bulb replacement

1. Loosen the four (4) screws at the front panel and headlight cover.





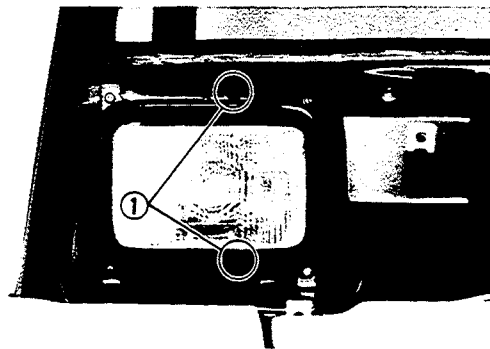
2. Remove the headlight ass'y and disconnect the lead wires.
3. Turn the bulb holder counterclockwise and remove the defective bulb.



4. Slip a new bulb into position and secure it with the bulb holder.
5. Reinstall by reversing the removal procedure. Adjust the headlight beam if necessary.

Headlight beam adjustment.

To adjust the headlight beam, turn the adjuster clockwise or counterclockwise.



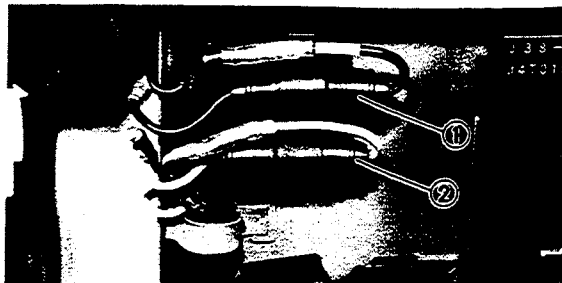
1. Adjuster

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.

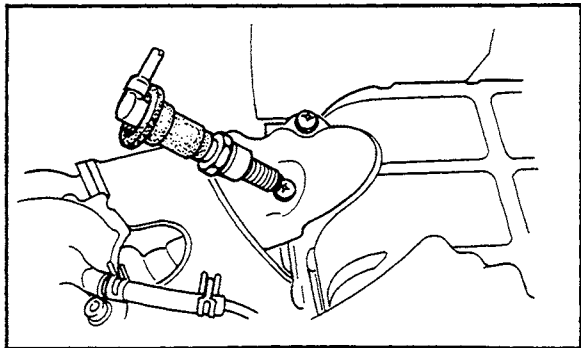
TROUBLESHOOTING PROCEDURE

- 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 (+)

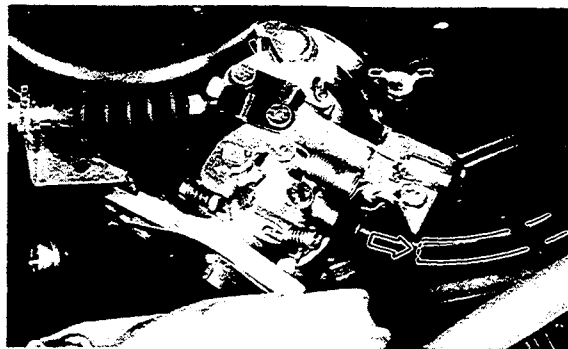
- 2) To check for spark, first remove the drive belt; remove the spark plug and put the spark plug in the plug cap, ground the plug body, and turn the engine over while observing the spark plug electrodes.



⚠ WARNING

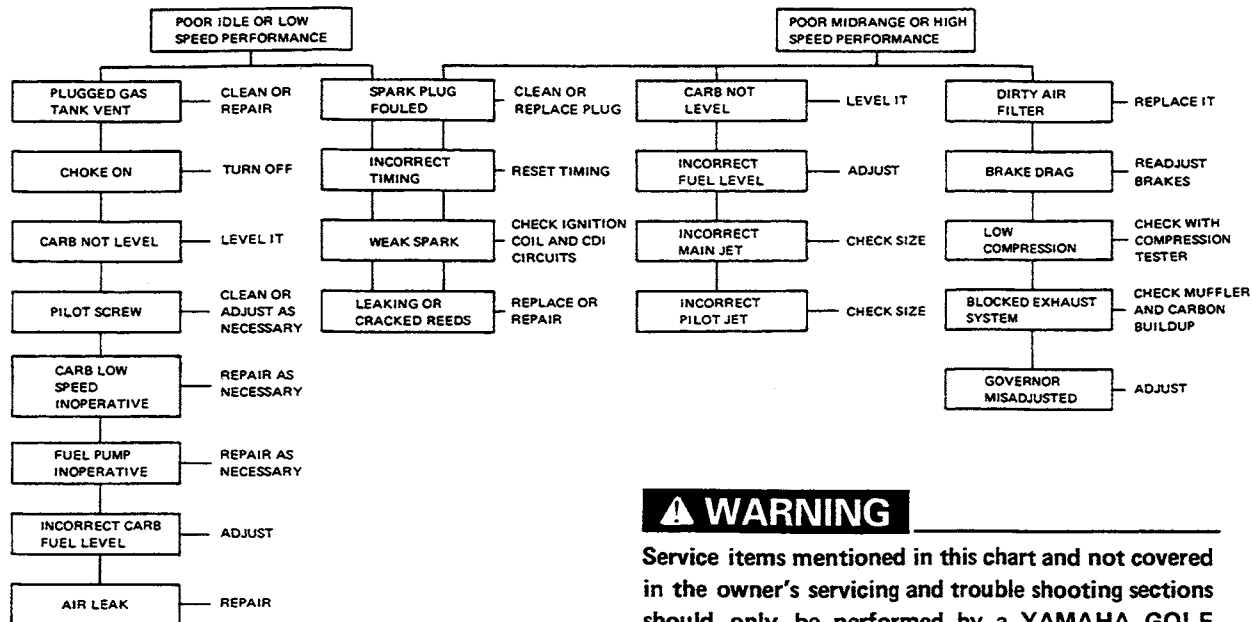
- To prevent **FIRE HAZARDS** be sure fuel is not present in the spark plug area.
- To prevent **FIRE HAZARDS** be sure to place the spark plug as far way as possible from the spark plug hole and carburetor area.
- To prevent **ELECTRIC SHOCK** do not hold spark plug lead with hand while testing.

- 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.

TROUBLESHOOTING CHART



⚠ WARNING

Service items mentioned in this chart and not covered in the owner's servicing and trouble shooting sections should only be performed by a YAMAHA GOLF CAR DEALER.

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.

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.
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 140 kPa (1.4 kg/cm²), 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 120 kPa (1.2 kg/cm²), 17 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 minutes after first being started.

MAINTENANCE CHECK LIST

Daily maintenance check list

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

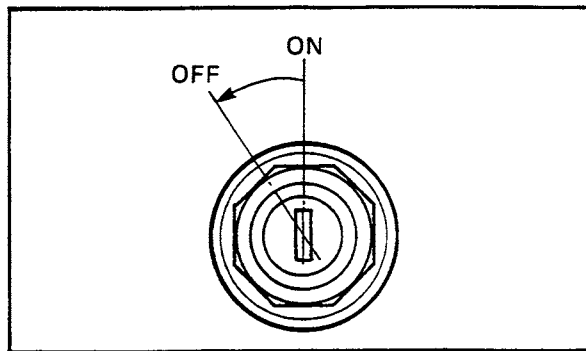
CODE	PROBLEM
5	RUNNING: <ul style="list-style-type: none">• Forward check• Forward brakes• Reverse check• Back-up buzzer• Rear brake
6	RATTLES OR UNUSUAL NOISES
7	ENGINE OIL LEVEL
8	FUEL LEVEL
9	BATTERY FLUID LEVEL
10	CLEANUP

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

DAILY CHECK (Procedure)

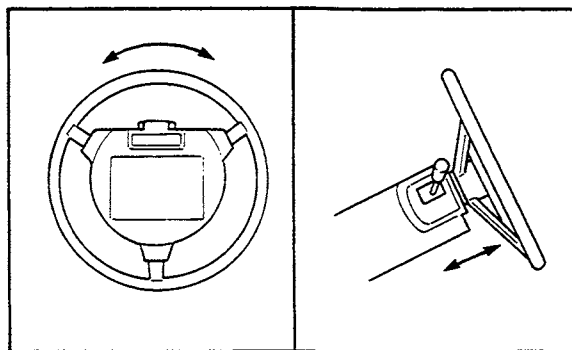
NOTE:

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



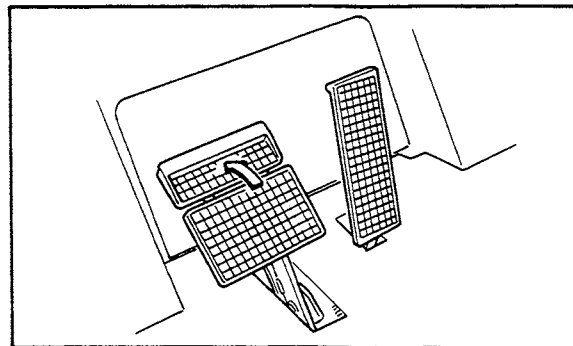
a. Check the steering mechanism free play.

b. Check the steering mechanism movement.

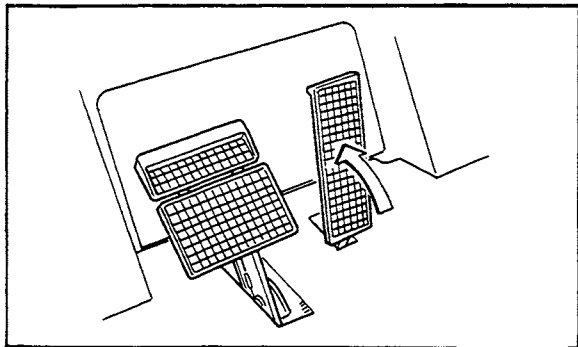


c. Check brake pedal movement.

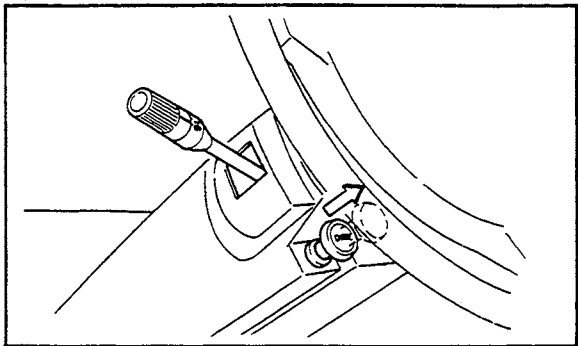
d. Check parking brake operation.



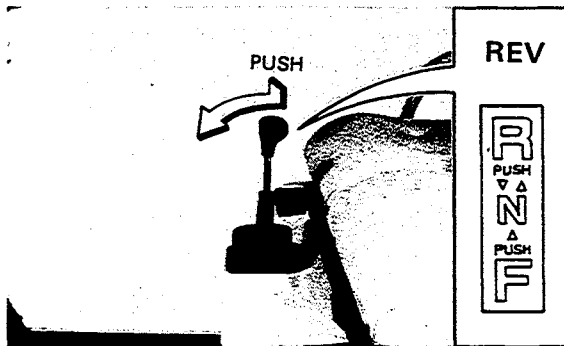
e. Check accelerator pedal operation.



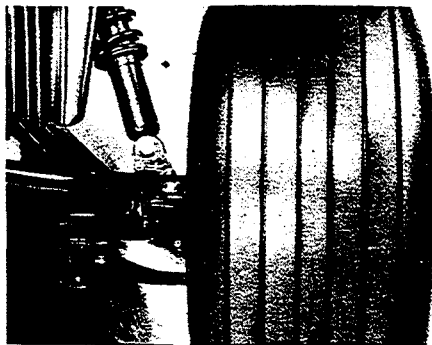
f. Check the choke wire movement.



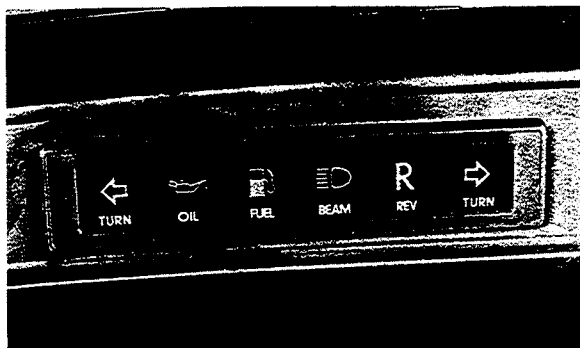
g. Check the back-up buzzer in the " R " position of the drive select lever.



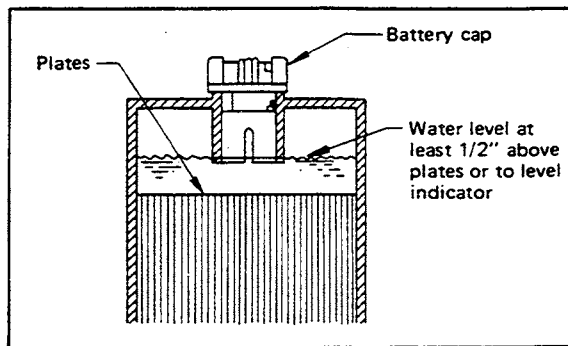
h. Check the tires for cuts or low air pressure.



- i. Check all indicator lights before operation.



- j. Check the battery fluid level.

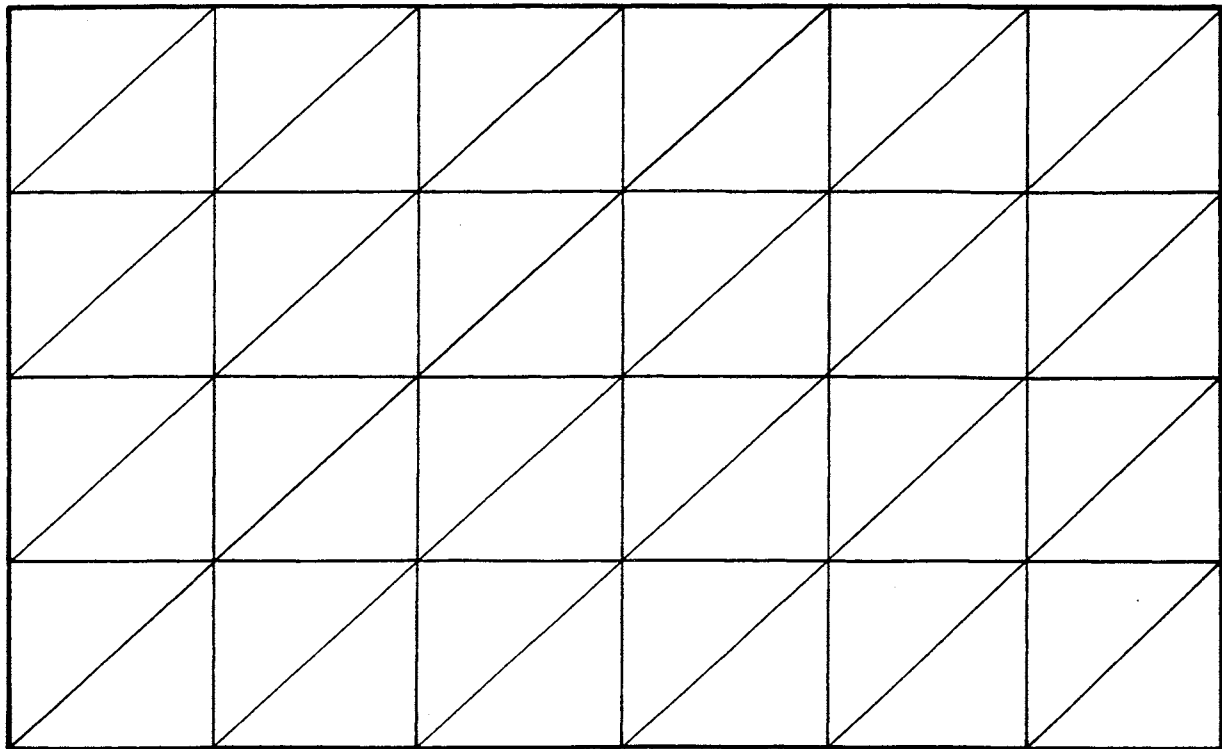


- l. Installation of golf bag securing device.

2) Golf car 12-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, if necessary.
10. Check the air filter.
11. Check and fill the oil tank.
12. Check the electrolyte specific gravity.

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



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 DATE:	YEARLY DATE:	6 MONTHS DATE:	YEARLY DATE:	6 MONTHS DATE:	YEARLY DATE:	6 MONTHS DATE:	YEARLY DATE:
INITIALS	INITIALS	INITIALS	INITIALS	INITIALS	INITIALS	INITIALS	INITIALS

SPECIFICATION

ITEMS	DESCRIPTION
Dimensions (L x W x H)	2,736 x 1,278 x 1,745 mm (107.7 x 50.3 x 68.7 in)
Dry weight	362 kg (798 lb)
Turning radius	3,000 mm (118 in)
Lubrication system	Wet sump
Engine oil capacity	1.1 L (1.0 Imp qt, 1.2 US qt)
Oil required	SAE 10W30 type SE or SF motor oil
Fuel tank capacity	18 L (4.0 Imp gal, 4.8 US gal)
Fuel required	Unleaded regular gasoline only
Ignition system	TCI
Spark plug type	BR4ES (NGK)
Spark plug gap	0.7 ~ 0.8 mm (0.028 ~ 0.031 in)
Transmission system	Automatic variable-pitch V-belt transmission, Double reduction helical gear 13.65 : 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	120 kPa (1.2 kg/cm ² , 17 psi)
Maximum loading limit	250 kg (550 lb)
Battery	Group 24 (RC: minimum 70 min, CCA: minimum 300A) (Note: The positive terminal must be in the top right corner of the battery top to allow proper installation.)

— MEMO —

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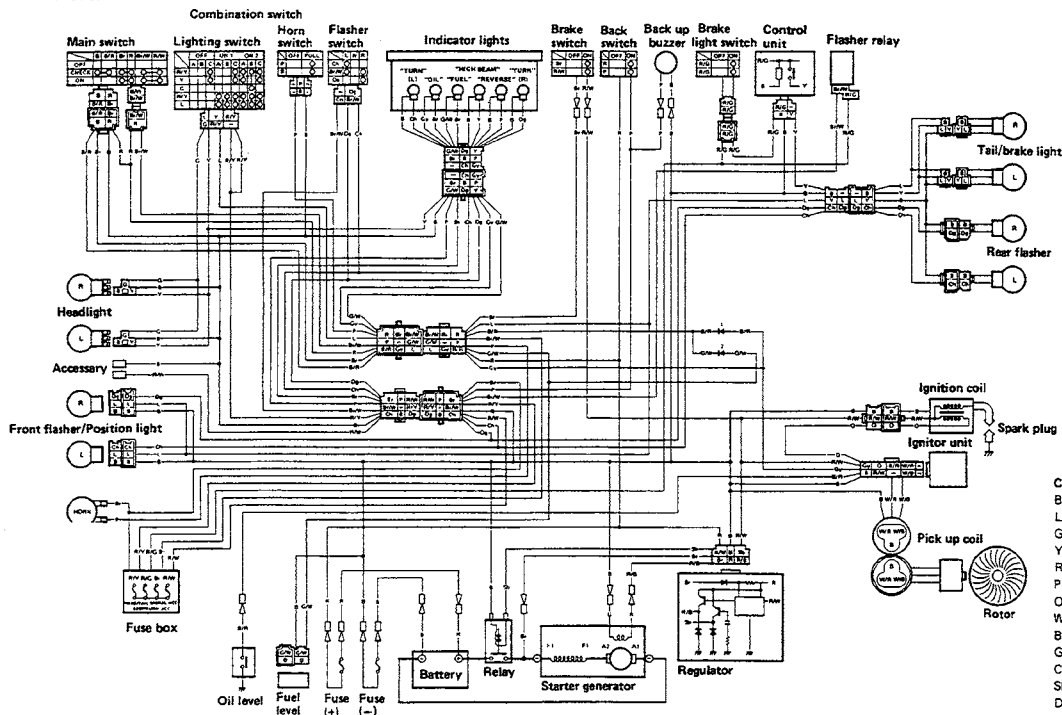
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— MEMO —

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WIRING DIAGRAM



COLOR CODE

B	Black
L	Blue
G	Green
Y	Yellow
R	Red
P	Pink
O	Orange
W	White
Br	Brown
Gy	Gray
Ch	Chocolate
Sb	Sky blue
Dg	Dark green
B/R	Black/Red
G/W	Green/White
R/B	Red/Black
R/G	Red/Green
R/Y	Red/Yellow
R/W	Red/White
W/B	White/Black

YAMAHA
GENUINE
Parts & Accessories

01/10/01
1PC - G5A O/M

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