YAMAHA

MODEL YEAR
ANNÉE MODÈLE
MODELLJAHR
AÑO DEL MODELO
ANO DO MODELO
2024

OWNER'S / OPERATOR'S MANUAL
MANUEL DU PROPRIÉTAIRE / CONDUCTEUR
BEDIENUNGS- / BETRIEBSANLEITUNG
MANUAL DEL PROPIETARIO / USUARIO
MANUAL DO PROPRIETÁRIO / OPERADOR

GOLF CAR
VOITURETTE DE GOLF
GOLFWAGEN
CARRO DE GOLF
CARRO DE GOLFE

- Read this manual carefully before operating this vehicle.
- Il convient de lire attentivement ce manuel avant la première utilisation du véhicule.
- Bitte lesen Sie diese Bedienungsanleitung sorgfältig durch, bevor Sie das Fahrzeug in Betrieb nehmen.
- Lea este manual atentamente antes de utilizar este vehículo.
- Leia este manual com atenção antes de operar este veículo.

DRIVE2 EFI QUIETECH

DR2 QUIETECH

LIT-19626-A3-04

J0B-F8199-35

Original instructions
Notice originale
Originalbetriebsanleitung
Manual original
Instruções originais

PRINTED IN USA
2023.08-0.3×1 CR
(E, F, G, S, W)

YAMAHA

MODEL YEAR 2024

OWNER'S / OPERATOR'S MANUAL

GOLF CAR

⚠ **Read this manual carefully before operating this vehicle.**

DRIVE2 EFI QUIETECH

DR2 QUIETECH

LIT-19626-A3-04

J0B-F8199-35-E0

EC Declaration of Conformity

conforming to Directive 2006/42/EC

We YAMAHA MOTOR POWERED PRODUCTS CO., LTD
200-1 Sakagawa, Kakegawa, Shizuoka, Japan

declare in sole responsibility, that the product

DR2A24 EFI GOLF-CAR(J0B-700101～)

to whiuch this declaration applies, conforms to the essential health and safety requirements of Directive 2006/42/EC

and to the other relevant Directive of EC.

2014/30/EU

(if applicable)

To effect correct application of the essential health and safety requirements stated in the Directive of EC, the following-standards and/or technical specifications were consulted:

ANSI Z535.4-2011, ANSI Z130.1-2020

Authorized Representative
YAMAHA MOTOR EUROPE N.V.
Koolhovenlaan 101,1119 NC Schiphol-Rijk, The Netherlands

Shizuoka, Japan 1 September 2023

LLV Product Development Div.
Engineering Section

Ryuta Inoue

UKCA Declaration of Conformity

conforming to The Supply of Machinery (Safety) Regulations 2008

We YAMAHA MOTOR POWERED PRODUCTS CO., LTD
200-1 Sakagawa, Kakegawa, Shizuoka, Japan

declare in sole responsibility, that the product

DR2A24 EFI GOLF-CAR(J0B-700101～)

to which this declaration applies, conforms to the essential health and safety requirements of
The Supply of Machinery (Safety) Regulations 2008
and to the other relevant regulations of UKCA.

Electromagnetic Compatibility Regulations 2016

(if applicable)

To effect correct application of the essential health and safety requirements stated in the regulations of UKCA, the following-standards and/or technical specifications were consulted:

ANSI Z535.4-2011, ANSI Z130.1-2020

Authorized Representative in United Kingdom
YAMAHA MOTOR EUROPE N.V., BRANCH UK
Units A2-A3, Kingswey Business Park,Forsyth Road
Woking, SY. GU21 5SA, United Kingdom

Shizuoka, Japan 1 September 2023

LLV Product Development Div.
Engineering Section

Ryuta Inoue

Ryuta Inoue

INTRODUCTION

Congratulations on your purchase of a Yamaha Electronic Fuel Injection (EFI) Golf Car. This manual contains information you will need for proper operation, maintenance, and care of your EFI Golf Car. A thorough understanding of these simple instructions will help you to obtain maximum enjoyment from your new Yamaha.
If you have any questions about the operation or maintenance of your EFI Golf Car, please consult a Yamaha dealer.

Yamaha Motor Powered Products Co., Ltd.

DR2 QUIETECH
OWNER'S/OPERATOR'S MANUAL
©2024 by Yamaha Motor Powered Products Co., Ltd.
1st edition, June 2023
All rights reserved.
Any reprinting or unauthorized use
without the written permission of
Yamaha Motor Powered Products Co., Ltd.
is expressly prohibited.
Printed in U.S.A.
LIT-19626-A3-04

IMPORTANT MANUAL INFORMATION

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

⚠	**This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.**
⚠ **WARNING**	**A WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.**
NOTICE	**A NOTICE indicates special precautions that must be taken to avoid damage to the golf car or other property.**
TIP	A TIP provides key information to make procedures easier or clearer.

TIP

Yamaha continually seeks advancements in product design and quality; therefore, while this manual contains the most current product information available at the time of printing, there may be minor discrepancies between your golf car and this manual. If you have any questions concerning this manual, please consult your Yamaha dealer.

⚠ WARNING

Read and understand this manual completely before operating your golf car. This manual should be considered a permanent part of your golf car and should remain with the golf car when resold.

CONTENTS

CONTENTS

IMPORTANT LABELS 1

⚠ SAFETY INFORMATION 2

CONTROLS 3

PRE-OPERATION CHECKS 4

OPERATION 5

MAINTENANCE AND ADJUSTMENT 6

STORAGE 7

SPECIFICATIONS 8

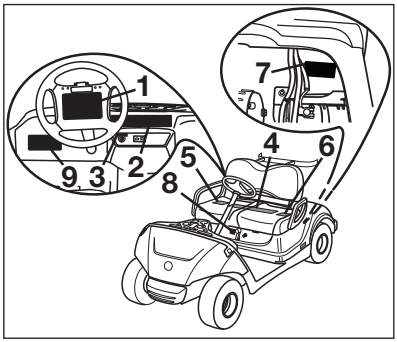
WIRING 9

IMPORTANT LABELS

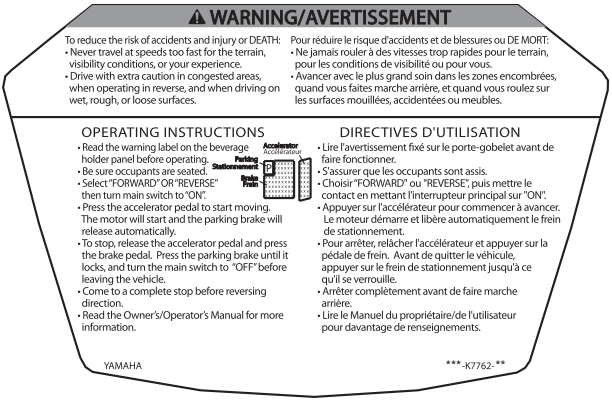
⚠ SAFETY AND INSTRUCTION LABELS

Read the following labels carefully before operating your golf car. If any of these labels are damaged or missing, contact a Yamaha dealer for replacements.

1



1



⚠ WARNING/AVERTISSEMENT

To reduce the risk of accidents and injury or DEATH:
- Never travel at speeds too fast for the terrain, visibility conditions, or your experience.
- Drive with extra caution in congested areas, when operating in reverse, and when driving on wet, rough, or loose surfaces.

Pour réduire le risque d'accidents et de blessures ou DE MORT:
- Ne jamais rouler à des vitesses trop rapides pour le terrain, pour les conditions de visibilité ou pour vous.
- Avancer avec le plus grand soin dans les zones encombrées, quand vous faites marche arrière, et quand vous roulez sur les surfaces mouillées, accidentées ou meubles.

OPERATING INSTRUCTIONS
- Read the warning label on the beverage holder panel before operating.
- Be sure occupants are seated.
- Select "FORWARD" OR "REVERSE" then turn main switch to "ON".
- Press the accelerator pedal to start moving. The motor will start and the parking brake will release automatically.
- To stop, release the accelerator pedal and press the brake pedal. Press the parking brake until it locks, and turn the main switch to "OFF" before leaving the vehicle.
- Come to a complete stop before reversing direction.
- Read the Owner's/Operator's Manual for more information.

Accelerator / Accélérateur
Parking / Stationnement
Brake / Frein

DIRECTIVES D'UTILISATION
- Lire l'avertissement fixé sur le porte-gobelet avant de faire fonctionner.
- S'assurer que les occupants sont assis.
- Choisir "FORWARD" ou "REVERSE", puis mettre le contact en mettant l'interrupteur principal sur "ON".
- Appuyer sur l'accélérateur pour commencer à avancer. Le moteur démarre et libère automatiquement le frein de stationnement.
- Pour arrêter, relâcher l'accélérateur et appuyer sur la pédale de frein. Avant de quitter le véhicule, appuyer sur le frein de stationnement jusqu'à ce qu'il se verrouille.
- Arrêter complètement avant de faire marche arrière.
- Lire le Manuel du propriétaire/de l'utilisateur pour davantage de renseignements.

YAMAHA

***-K7762-**

2

⚠ WARNING/AVERTISSEMENT

To reduce the risk of accidents and injury or DEATH:
- Read the label located on the steering wheel before operation.
- Operate only when authorized and only in designated areas.
- Operate from driver's seat only.
- This vehicle is restricted to 2 occupants per bench seat.
- Do not start vehicle until all occupants are seated.
- Remain seated and hold on when in motion.
- Keep entire body inside vehicle.
- Drive slowly in turns.
- Drive straight up and down slopes.
- Set parking brake before leaving vehicle.
- Turn main switch to "OFF" and remove key when not in use.
- Do not operate or ride while distracted or under the influence of alcohol or drugs.

Pour réduire le risque d'accidents et de blessures ou DE MORT:
- Lisez létiquette située sur le volant avant futilisation.
- Utiliser seulement lorsque lusage est autorisé et dans les zones designées.
- Ne conduire qu'en étant assis sur le siège du conducteur.
- Ce véhicule est limité à 2 occupants par banquette.
- Ne pas démarrer avant que tous les occupants soien.
- Rester assis et bien se tenir quand le véhicule est en marche.
- Garder toute partie du corps dans le véhicule.
- Conduire lentement dans les virages.
- Conduisez directement en montée et en descente.
- Tourner linterrupteur principal à "OFF" et enlever la clé quand le véhicule n'est pas utilisé.
- N'utilisez pas/n'occupez pas le véhicule lorsque vous êtes distrait ou sous l'influence de l'alcool ou de drogues.

YAMAHA ***-K7768-**

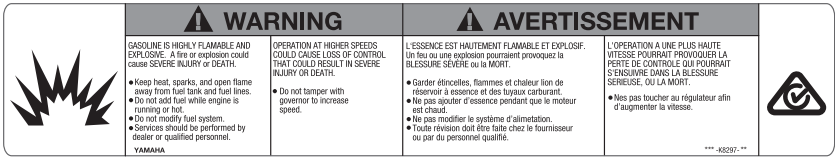
3

4

CAN ICES-002/NMB-002

***-H5377-**

5



⚠ WARNING

GASOLINE IS HIGHLY FLAMABLE AND EXPLOSIVE. A fire or explosion could cause SEVERE INJURY or DEATH.
- Keep heat, sparks, and open flame away from fuel tank and fuel lines.
- Do not add fuel while engine is running or hot.
- Do not modify fuel system.
- Services should be performed by dealer or qualified personnel.

YAMAHA

OPERATION AT HIGHER SPEEDS COULD CAUSE LOSS OF CONTROL THAT COULD RESULT IN SEVERE INJURY OR DEATH.
- Do not tamper with governor to increase speed.

⚠ AVERTISSEMENT

L'ESSENCE EST HAUTEMENT FLAMABLE ET EXPLOSIF. Un feu ou une explosion pourraient provoquez la BLESSURE SÉVÈRE ou la MORT.
- Garder étincelles, flammes et chaleur lion de réservoir à essence et des tuyaux carburant.
- Ne pas ajouter d'essence pendant que le moteur est chaud.
- Ne pas modifier le système d'alimetation.
- Toute révision doit être faite chez le fournisseur ou par du personnel qualifié.

L'OPERATION A UNE PLUS HAUTE VITESSE POURRAIT PROVOQUER LA PERTE DE CONTROLE QUI POURRAIT S'ENSUIVRE DANS LA BLESSURE SERIEUSE, OU LA MORT.
- Nes pas toucher au régulateur afin d'augmenter la vitesse.

*** -K8297- **

IMPORTANT LABELS

6

DATE OF CONSTRUCTION: ***. **** MY****
YAMAHA MOTOR POWERED PRODUCTS CO., LTD
200-1 SAKAGAWA, KAKEGAWA, JAPAN
NOMINAL SYSTEM VOLTAGE: **V MODEL: ****** ***
GROSS OUTPUT: **.** hp (*.** kW) MAX. BATTERY WEIGHT: ** kg
FUEL TYPE: UNLEADED GASOLINE DRY WEIGHT: *** kg
VEHICLE LOAD CAPACITY: ** kg PER SEAT, ** kg BAGWELL
***-F4236-**

7

EMISSION CONTROL INFORMATION
YAMAHA MOTOR CO.,LTD.

YAMAHA

THIS EQUIPMENT CONFORMS TO **** CALIFORNIA EVP/EXH EMISSION REGULATIONS AND THIS ENGINE MEETS U.S. EPA EXH/EVAP REGS FOR ****.

EF:**********

DISPLACEMENT: *** cc.
EMISSION CONTROL SYSTEM: ***
EVAPORATIVE CODE CARB: ********
EVAPORATIVE CODE EPA:**********

THIS ENGINE IS CERTIFIED TO OPERATE ON UNLEADED GASOLINE

MAINTENANCE SPECIFICATIONS	ENGINE OIL: SAE 10W-30
IGNITION TIMING: 27 BTDC	SPARK PLUG GAP: .028-.031

NO OTHER ADJUSTMENTS NEEDED

The air index of this engine is 3

0 2 4 6 8 10
Most Clean **Least Clean**

Note: The lower the Air Index, the less Pollution
This engine is certified to be emissions compliant for the following use:
[ ] Moderate (250 hours) [ ] Intermediate (500 hours) [X] Extended (1000 hours)
Check owner's manual for further details.
***-F179T-**

EMISSION CONTROL INFORMATION
YAMAHA MOTOR CO.,LTD.

YAMAHA

*THIS ENGINE MEETS U.S. EPA EXH/EVAP REGS FOR ****.*

*EF:***** ****** / ***** ******.*

*DISPLACEMENT: *****.*
*EMISSION CONTROL SYSTEM: ***.*
*EVAPORATIVE CODE EPA: **********.*

THIS ENGINE IS CERTIFIED TO OPERATE ON UNLEADED GASOLINE

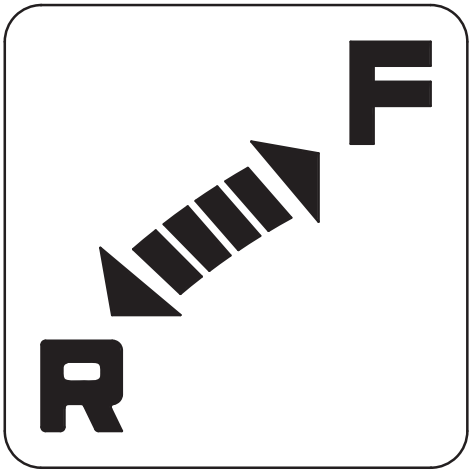
MAINTENANCE SPECIFICATIONS	*ENGINE OIL: SAE 10W-30*
IGNITION TIMING: 27 BTDC	*SPARK PLUG GAP: .028-.031*

Check owner's manual for further details.

Not Certified for sales in CALIFORNIA.

****-F179T-***

8



9

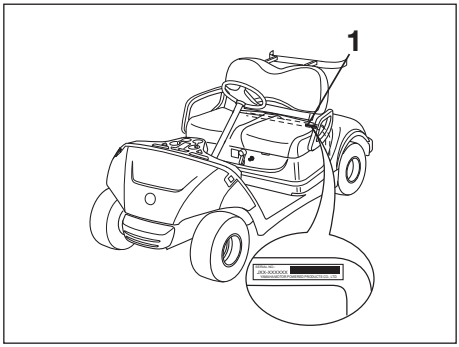
⚠ WARNING

Improper tire pressure or overloading can cause loss of control.
To reduce the risk of accidents and injury or DEATH:

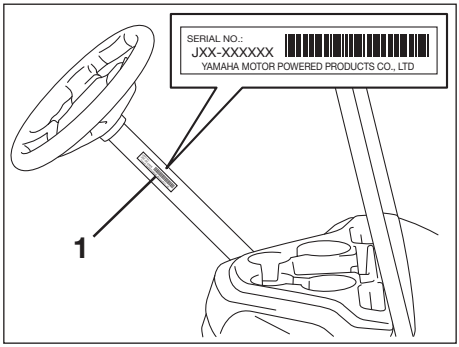
• Operating tire pressure: set with tires cold.

	Recommended	
Tire size	Front	Rear
205/65-10, 4ply	151 kPa, 22 psi	/ 151 kPa, 22 psi
18x8.50-8, 4ply	110 kPa, 16 psi	/ 110 kPa, 16 psi

YAMAHA ***-F1696-**



1. Vehicle serial number



1. Vehicle serial number

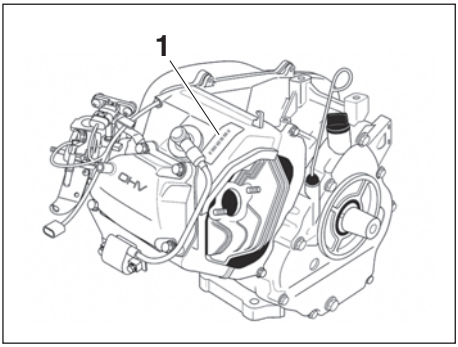
SERIAL NUMBER

The serial number is identified in the location shown.

TIP

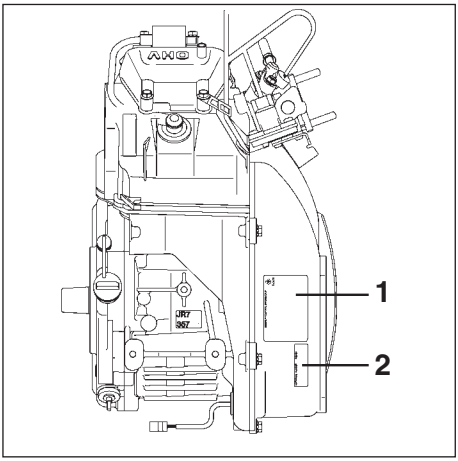
The first three digits of the serial number are for model identification; the remaining digits are the unit production number. Keep a record of these numbers for reference when ordering parts from a Yamaha dealer.

Serial number:



The engine serial number is affixed in the location shown.

1. Engine serial number



1. Engine Information
2. APPROVAL NUMBER

EMISSION CONTROL INFORMATION
YAMAHA MOTOR CO.,LTD.

YAMAHA

This engine meets **** California exhaust emission regulations for small off-road engines.
THIS ENGINE MEETS U.S.EPA EXH REGS FOR ****.
EMISSION COMPLIANCE PERIOD : 1000HOURS
EF : ********** DISPLACEMENT : *** cc
EMISSION CONTROL SYSTEM : ***
This engine is certified to operate on unleaded gasoline.
ENGINE OIL : SAE 10W-30 TYPE : SE No other adjustments needed.

The air index of this engine is 3 (California only)

0 2 4 6 8 10

MOST CLEAN LEAST CLEAN

Note : The lower the air index, the less the pollution.
This engine is certified to be emissions compliant for the following use :

☐ MODERATE (250 HOURS) ☐ INTERMEDIATE (500 HOURS) ☒ EXTENDED (1000 HOURS)

Check owner's manual for further details.

EMISSION CONTROL INFORMATION
YAMAHA MOTOR CO.,LTD.

YAMAHA

THIS ENGINE MEETS U.S.EPA EXH REGS FOR ****.
EMISSION COMPLIANCE PERIOD : 1000HOURS
EF : ***** ****** DISPLACEMENT : *** cc
EMISSION CONTROL SYSTEM : ***
This engine is certified to operate on unleaded gasoline.
ENGINE OIL : SAE 10W-30 TYPE : SE

Not certified for sales in CALIFORNIA.

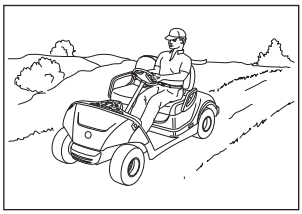
APPROVAL NUMBER YAMAHA
****
Production date : See stamp on Crankcase.
Serial : See Label on Air shroud.
Engine family : ******** ***-*1186-****

Yamaha golf cars are designed to be simple to operate. However, be sure to observe the following to reduce the risk of serious injury or death due to loss of control and other hazards:

BEFORE OPERATING THE GOLF CAR

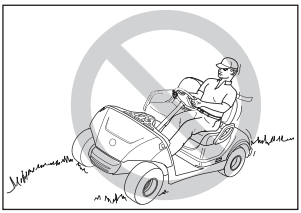
- Read this Owner's/Operator's manual and all safety and instruction labels on the golf car before operating.
- Perform the pre-operation checks found in Section 4 of this manual.
- Only authorized people should drive the golf car, from the driver's side only, and only in designated areas.
- Do not allow more than two occupants per seat. This golf car is restricted to two occupants unless equipped with a rear seat.
- Do not operate the golf car while under the influence of alcohol or drugs; their effect on vision and judgment make operating a golf car dangerous.
- Do not operate the golf car on public streets, roads or highways; unless allowed by law or the local regulating authority.

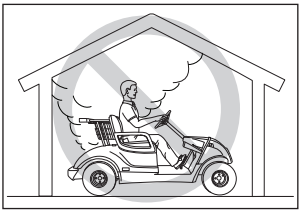
WHILE OPERATING THE GOLF CAR



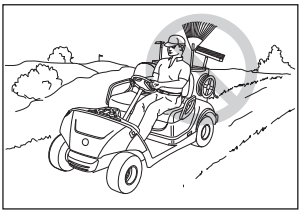
- Keep your entire body inside the golf car, remain seated, and hold on when the car is in motion.
- Do not start the golf car until all occupants are seated.
- Keep your hands on the steering wheel and your eyes on the path ahead.

- Use extra care in congested areas or when backing up. Always back up slowly, and watch carefully.
- Avoid starting or stopping abruptly.
- Vary the speed of the golf car to match the terrain.
- Avoid turning the steering wheel too sharply at higher speeds to avoid tipping or rolling the vehicle.
- Always drive slowly straight up or straight down slopes – never at an angle to avoid tipping or rolling the vehicle.





- Do not run the engine indoors. Exhaust gas is poisonous and could result in carbon monoxide poisoning.



- Do not make any modification or addition which affects capacity or safe operation, or make any changes not in accordance with the owner's/operator's manual.

⚠ SAFETY INFORMATION

Like all machines, golf cars can cause injury if improperly used or maintained. This section contains broad safety practices required for safe golf car operation. Before golf cars are operated, golf course personnel should establish any additional safety practices that may be required for safe operation.

Experience has shown that golf cars are safe when operated in accordance with the safety warnings affixed to every golf car. This safe operation is enhanced when golf cars are used according to the safety rules and practices established to meet the terrain and conditions of the course they are used on.

The information contained here is intended for golf course personnel responsible for golf car safety. If you are responsible for the operation and maintenance of this golf car, we encourage you to implement this golf car safety program.

DRIVER QUALIFICATIONS

Allow only authorized people to operate golf cars. It is recommended that only people who possess a valid motor vehicle driver's license be allowed to operate golf cars.

Place operation and safety instructions recommended by the golf car manufacturer, along with the golf course safety rules, in a conspicuous place near the golf car rental area or golf car pick-up area.
It is also recommended that the following warning be posted in a conspicuous location:

⚠ WARNING

Do not operate golf cars when under the influence of alcohol or drugs. Death or serious personal injury can result from failing to comply with the safety and warning instructions affixed to the golf car.

GOLF COURSE SAFETY SURVEY

Perform safety surveys regularly to identify hazardous areas where golf cars should not be operated.

GOLF COURSE HAZARD PREVENTION

The following golf course hazards must be made safe:

- **Steep Grades.** Where steep grades exist, restrict golf cars to designated golf car pathways where possible. In addition, identify steep grades with a suitable warning like:

⚠ WARNING

Descend steep grades slowly with foot on brake. Death or serious personal injury can result from failing to comply with the safety and warning instructions affixed to the golf car.

- **Sharp Turns, Blind Corners, Bridge Approaches.** Chain or rope off these potentially hazardous areas or identify them with a suitable warning describing the nature of the hazard and the proper precautions to be taken to avoid the hazard.
- **Wet Areas.** Wet grass may cause a golf car to lose traction and may affect stability. Golf car operators should reduce speed in wet areas or during periods of inclement weather.
- **Loose Terrain.** Loose terrain may cause a golf car to lose traction and may affect stability. Repair loose terrain, chain or rope off these areas, or identify loose terrain with a suitable warning.
- **Golf Car and Pedestrian Interference.** Reroute golf car traffic or pedestrian traffic in congested areas wherever possible to prevent accidents. If it is impractical to reroute traffic, erect warning signs to warn pedestrians of golf car traffic, and to warn golf car operators to drive slowly, use caution, and watch for pedestrians.

MAINTENANCE REQUIRED FOR GOLF CAR SAFETY

Practice the following to help ensure the safety of golf car occupants:

- **Preventative Maintenance.** Perform all scheduled maintenance in accordance with manufacturer's recommendations to provide a safe, properly operating golf car.
- **Personnel.** Allow only qualified, trained, and authorized personnel to inspect, adjust and maintain golf cars.
- **Parts and Materials.** Use only replacement parts and materials recommended by the manufacturer.
- **Ventilation.** Properly ventilate all maintenance and storage areas in accordance with applicable fire codes and ordinances to avoid fire hazards. Ventilation is required to remove flammable vapors and fumes from gasoline powered golf car storage areas. Ventilation is also required to remove hydrogen gas from the golf car storage areas during the battery charging process.

SAFETY PRECAUTIONS DURING MAINTENANCE

When performing maintenance, follow all safety instructions contained in the manufacturer's operation and service manuals, as well as the following safety procedures:

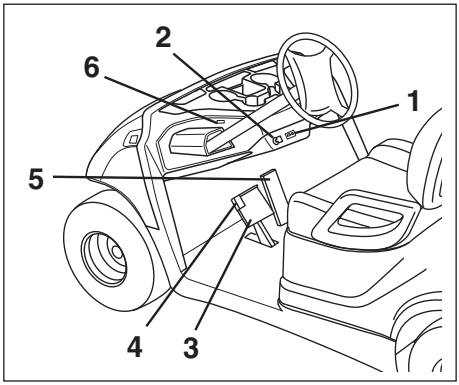
- Properly immobilize golf car before beginning any maintenance to avoid any unexpected vehicle movement.
- Properly block chassis before working underneath golf car to avoid any unexpected vehicle movement.
- When working on the fuel system or the battery, do not smoke, or allow any sparks or open flames near the vehicle, to avoid any fires or explosions.
- Use only properly insulated tools when working around batteries to avoid electrical shock or damage to the electrical system.

- Maintain all safety devices including brakes, steering mechanisms, warning devices and governors, in a safe operating condition. Do not modify these safety devices as supplied by the manufacturer.
- After each maintenance or repair, the car must be driven by a qualified, trained and authorized person – in an area free of pedestrian traffic – to ensure proper operation and adjustment.
- Record all maintenance performed in a maintenance record log by date, name of person performing maintenance and type of maintenance. Periodically inspect maintenance log to ensure accurate and complete entries.
- Provide operator comment cards to assist in identifying non-periodic maintenance needs for specific golf cars.
- Maintain, in a legible condition all nameplates, warnings and instructions provided by the manufacturer.
- If new nameplates, warnings or instructions are needed, contact your Yamaha dealer.

FUEL HANDLING/STORAGE

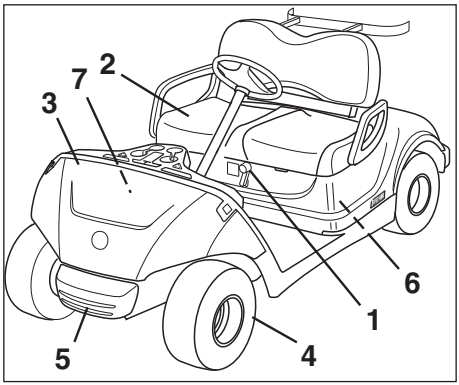
Take the following precautions to ensure maintenance worker safety:

- Supervise the storage and handling of liquid fuels in accordance with applicable fire and safety requirements to avoid any fires or explosions.

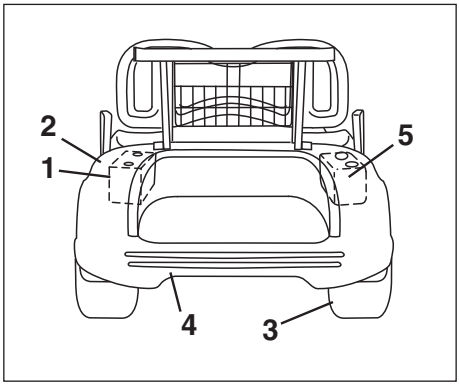


FEATURES

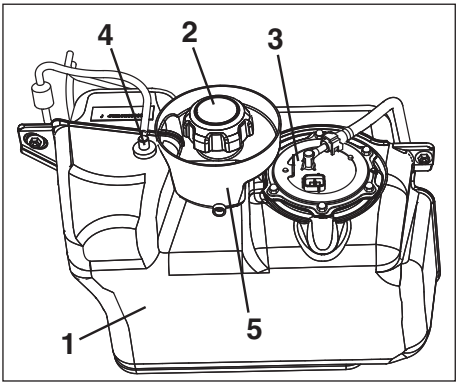
1. Engine/oil warning light
2. Main switch
3. Brake pedal
4. Parking brake pedal
5. Accelerator pedal
6. USB ports



1. Drive select lever
2. Seat
3. Front body
4. Front tire
5. Front bumper
6. Fuses
7. USB fuse



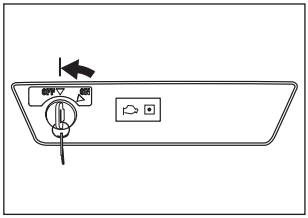
1. Battery
2. Rear body
3. Rear tire
4. Rear bumper
5. Fuel tank



1. Fuel tank
2. Fuel cap
3. E.F.I. fuel pump
4. Fuel tank vent
5. Cover filler funnel

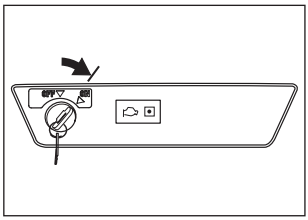
MAIN SWITCH

The main switch controls the following items:



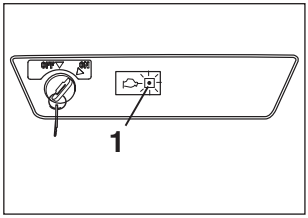
"OFF"

The electrical power circuit is switched off. The key can be removed only in this position.



"ON"

The electrical power circuit is switched on. The golf car can be driven.



1. Engine/oil warning light

ENGINE/OIL WARNING LIGHT

When the engine oil level falls below an acceptable level, this light comes on.

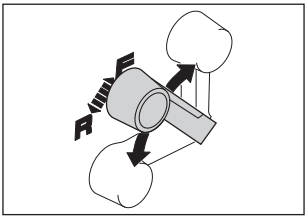
NOTICE

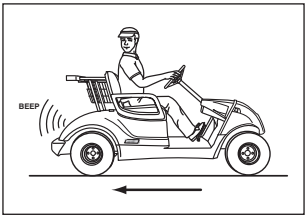
If the light comes on, stop the engine, check the engine oil level and add oil as necessary. (See page 20).

When the engine/oil warning light is flashing while the key is on, there may be a problem with the fuel injection system, which may affect performance, emissions and fuel economy or cause damage to the fuel injection system or engine.

NOTICE

If the light is flashing, do not operate the vehicle. Contact your Yamaha Service representative to have the vehicle serviced.





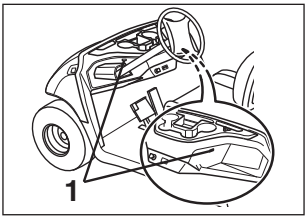
DRIVE SELECT LEVER

The drive select lever is used to shift the golf car into forward or reverse. After coming to a complete stop, move the lever to the desired position.

Lever Position	Car Movement
F	FORWARD
R	REVERSE

TIP

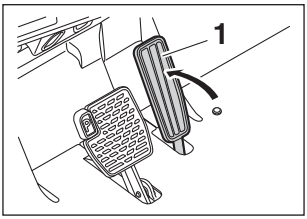
The reverse alarm will sound when the drive select lever is turned to “R.”



1. USB port

USB PORTS

A USB port is located inside the dash on the driver side and passenger side. These can be used to power or charge USB devices or accessories. The USB is only powered when the key is in the ON position.

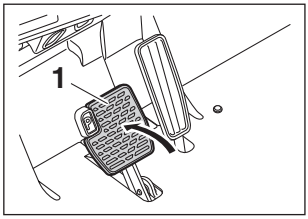


1. Accelerator pedal

ACCELERATOR PEDAL

The accelerator pedal controls the golf car’s speed.

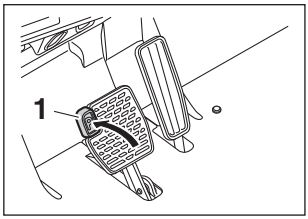
Action	Car Speed
Depress pedal	Increase
Release pedal	Decrease



1. Brake pedal

BRAKE PEDAL

Press down on the brake pedal to stop the golf car.



1. Parking brake pedal

PARKING BRAKE PEDAL

Press down on the parking brake pedal whenever parking the golf car.

TIP

Release the parking brake by depressing the accelerator pedal.

⚠ WARNING

The parking brake will automatically release when the accelerator pedal is depressed. If the main switch is in the "ON" position, depressing the accelerator may suddenly cause the golf car to move. Death or serious personal injury can result from failing to comply with the safety instructions in this manual.

Pre-operation checks should be made each time you use your golf car. Get in the habit of performing the following checks in the same way so that they become second nature.

⚠ WARNING

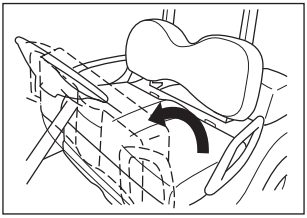
To keep vehicle from moving while performing pre-operation checks:

- **Remove main switch key.**
- **Apply parking brake.**

Death or serious personal injury can result from failing to comply with the safety instructions in this manual.

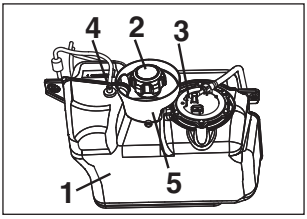
PRE-OPERATION CHECKS

Refer to the Periodic Maintenance and adjustment charts on pages 25 to 29.



SEAT

Lift up the seat for checking and servicing.



1. Fuel tank
2. Fuel cap
3. E.F.I. fuel pump
4. Fuel tank vent
5. Cover filler funnel

FUEL SYSTEM

Make sure there is sufficient fuel in the tank. Also check fuel line and connections for leakage.

⚠ WARNING

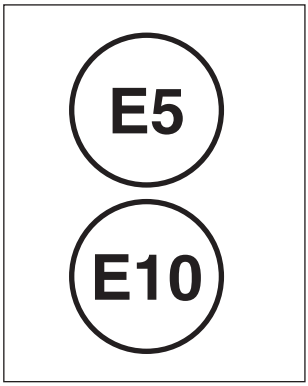
Gasoline and its vapors are highly flammable and explosive. To avoid fires and explosions and to reduce the risk of injury when refueling, follow these instructions.

1. Stop engine and allow it to cool for several minutes before refueling.
   Do not smoke when refueling and keep away from sparks, flames or other sources of ignition.
   Refuel in a well-ventilated area.
2. Take care not to spill gasoline.
   If gasoline spills, wipe it up immediately with dry rags.
   Always dispose of gasoline-soaked rags properly.
3. Tighten until a clicking sound is heard.

⚠ WARNING

Gasoline is poisonous and can cause injury or death. If you swallow gasoline, inhale a lot of gasoline vapor or get gasoline in your eyes, get immediate medical attention.
If any gasoline gets on your skin, immediately wash with soap and water. Change clothing if gasoline spills on it.

Recommended fuel:
Unleaded gasoline (Gasohol E10 acceptable)
Fuel tank capacity:
22 L (5.8 US gal)
Gasoline-based fuels containing more than 10% ethanol are not recommended.

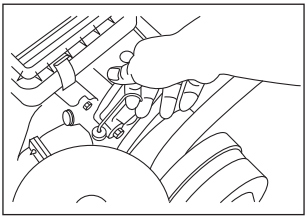


NOTICE

Avoid using gasoline blended with methyl alcohol which can damage fuel system parts.

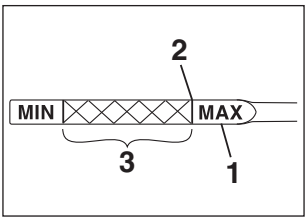
TIP

- This mark identifies the recommended fuel for this vehicle as specified by European regulation (EN228).
- Check that gasoline nozzle has the same identifier when fueling.



ENGINE OIL

With the golf car parked on level ground, remove the dipstick and make sure the engine oil is between the MIN and MAX marks (the cross-hatched area on the end of the dipstick).

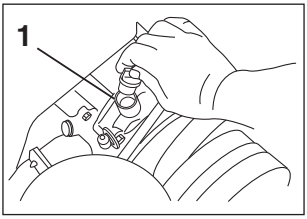


1. Oil level dipstick
2. Maximum oil level
3. Safe operating range

If the oil level is **below** the MIN mark on the dipstick, add oil through the oil filler hole until the oil level is between the MIN and MAX marks.

NOTICE

- **Use care not to fill past the MAX dipstick mark, and be sure no foreign material enters the crankcase.**
- **Use care not to get oil on the starter belt.**



1. Oil filler hole

TIP

The distance between the dipstick marks represents approx. 0.5 L (0.5 US qt) of oil.

Recommended oil brand:

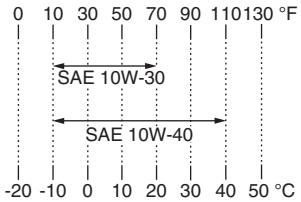
YAMALUBE®

Available oil grade:

API SE type or higher JASO MA or MB

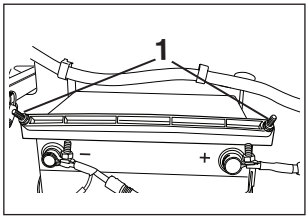
Available viscosity index:

10W-30 or 10W-40



Engine oil capacity:

1.00 L (1.06 US qt)



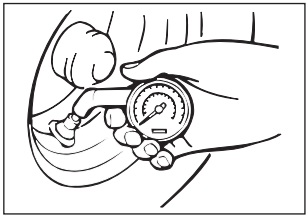
1. Battery hold-down nuts

BATTERY

Check that the battery is held securely in place to prevent the battery from being damaged from vibration or jarring. Tighten the battery hold-down nuts if loose. Also check that the battery cap is not missing to prevent battery acid from spilling from the battery.
Check the battery terminals for corrosion and tightness.

⚠ WARNING

Battery electrolyte is poisonous and dangerous, causing severe burns, etc. It contains sulfuric acid. Avoid contact with skin, eyes or clothing. Ventilate when charging or using in enclosed space.
Always shield eyes when working near batteries.
KEEP OUT OF REACH OF CHILDREN.

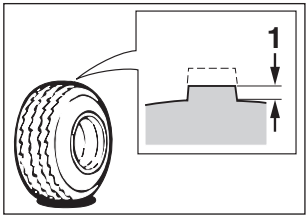


TIRE CONDITION

Tire Air Pressure

Check the tire air pressure before operating the golf car.

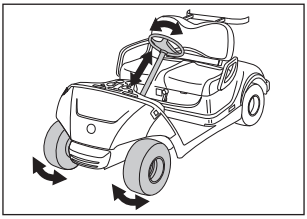
Tire pressure:
110 kPa (1.12 kgf/cm^2 ,16 psi)



1. Wear limit

Tire Wear Limit

Check the tire surface for damage, cracks or embedded objects. When tire tread wears down to 1 mm (0.04 in.), replace the tire.

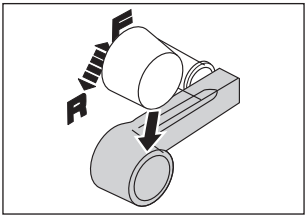


STEERING SYSTEM

Check the steering system for excessive free play by:

- moving the steering wheel up and down, and back and forth.
- turning the steering wheel slightly to the right and left.

If you feel excessive free play, or hear rattling sounds which may indicate loose steering components, consult a Yamaha dealer.

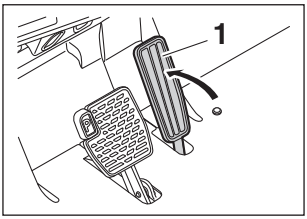


REVERSE ALARM

Check the reverse alarm by moving the drive select lever to “R” for reverse. The alarm should sound.

PEDAL OPERATION

Check the following pedal controls for proper operation. If a pedal does not work properly, consult a Yamaha dealer.

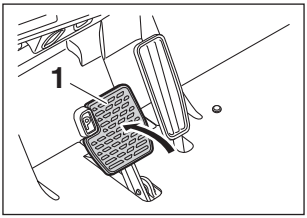


1. Accelerator pedal

Accelerator Pedal

WARNING

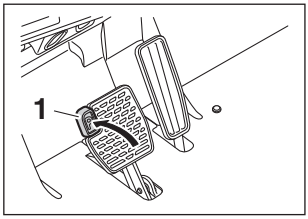
With the main switch in the “OFF” position, make sure the accelerator pedal operates smoothly.



1. Brake pedal

Brake Pedal

Make sure the brake pedal feels firm when pressed and returns to its original position when released.



1. Parking brake pedal

Parking Brake Pedal

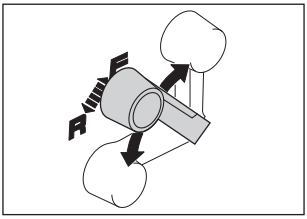
Make sure the parking brake pedal locks in place with a positive click, and releases when the accelerator pedal is pressed.

TIP

Release the parking brake by depressing the accelerator pedal.

BODY AND CHASSIS

Before each use, visually inspect the golf car body and chassis for damage and/or missing parts.

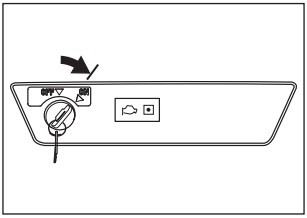


STARTING

1. With the parking brake applied, turn the drive select lever to “F” for forward, or “R” for reverse.

NOTICE

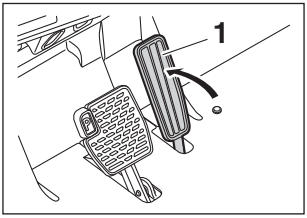
Do not shift from “F” (forward) to “R” (reverse) while the golf car is moving. Transmission damage can result.



2. Turn the main switch to “ON.”

⚠ WARNING

Do not depress the accelerator pedal when turning on the main switch or the golf car may suddenly start moving. Death or serious personal injury can result from failing to comply with the safety instructions in this manual.

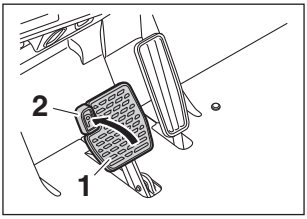


1. Accelerator pedal

3. Check that your path is clear in the direction you plan to go, and slowly depress the accelerator pedal.
   The golf car will start to move.

TIP

The parking brake automatically releases when the accelerator pedal is depressed.



1. Brake pedal
2. Parking brake pedal

STOPPING

To stop the golf car, gradually press down on the brake pedal.

When the golf car has come to a stop, apply the parking brake pedal and turn the main switch to “OFF.”

NOTICE

Do not hold the golf car on an incline with the accelerator – use the brake. Transmission damage can result.

PERIODIC MAINTENANCE AND ADJUSTMENT CHARTS

Regular maintenance is required for the best performance and safe operation of your golf car.

Even if the vehicle isn't driven for the stated mileage or engine hours, the month maintenance intervals should still be followed. Items marked with an asterisk should be performed by a Yamaha dealer as they require special tools, data and technical skills.

WARNING

Be sure to turn off the main switch and apply the parking brake when you perform maintenance unless otherwise specified. If the owner is not familiar with servicing the machine, death or serious personal injury can result. When in doubt the work should be done by a Yamaha dealer or other qualified mechanic.

NOTICE

Yamaha does not approve the use of high-pressure washers to clean the products they manufacture. Doing so may damage the finish on the body or result in doing other damage not covered by warranty.

CS - CHECK **CA** - CHECK AND ADJUST **R** - REPLACE **S** - SERVICE **CL** - CLEAN AND LUBRICATE **L** - LUBRICATE

	Remarks	Daily Pre-Operation	40 Rounds 20 hours 100 miles 160 kms (Every month)	250 rds 125 hrs 600 mls 1000 kms (Every 6 months)	500 rds 250 hrs 1200 mls 2000 kms (Every year)	1000 rds 500 hrs 2500 mls 4000 kms (Every 2 years)	2000 rds 1000 hrs 5000mls 8000 kms (Every 4 years)	Page
PRE-OP	Check engine oil	CS	CS	CS				20
	Check fuel lines for leakage	CS	CS	CS	CS	CS	CS	18
	Check fuel level	CS	CS	CS	CS	CS	CS	18
	Check for looseness and corrosion of battery terminals and hold downs	CS	CS	CS	CS	CS	CS	21
	Check brake pedal free play and adjust if necessary	CS	CA	CA	CA	CA	CA	44
	Check steering operation	CS	CS	CS	CS	CS	CS	22

* Items without a page number reference should be serviced by a Yamaha dealer or other qualified mechanic. This manual does not contain these procedures. They are contained in the Service Manual.

** Related to emission control system.

*** Do no operate vehicle if discrepancy is found.

CS - CHECK **CA** - CHECK AND ADJUST **R** - REPLACE **S** - SERVICE **CL** - CLEAN AND LUBRICATE **L** - LUBRICATE

	Remarks	Daily Pre-Operation	40 Rounds 20 hours 100 miles 160 kms (Every month)	250 rds 125 hrs 600 mls 1000 kms (Every 6 months)	500 rds 250 hrs 1200 mls 2000 kms (Every year)	1000 rds 500 hrs 2500 mls 4000 kms (Every 2 years)	2000 rds 1000 hrs 5000mls 8000 kms (Every 4 years)	Page
PRE-OP	Check tire pressure, tread depth, tire surface for damage	CS	CA	CA	CA	CA	CA	21
	Check body and chassis for damage	CS	CS	CS	CS	CS	CS	23
	Check tightness of all bolts, nuts, screws and rivets	CS	CS	CS	CS	CS	CS	*
	Check reverse alarm operation	CS	CS	CS	CS	CS	CS	22
	Check for the proper operation of pedal control area***	CS	CS	CS	CS	CS	CS	22
EVERY MONTH	Check for debris in intake air duct, tubing and connection		CS	CS	CS	CS	CS	36
	Check wear of drive belt		CS	CS	CS	CS	CS	36
	Check operation of Forward / Reverse shifting		CS	CS	CS	CS	CS	24
	Clean / Lube pedal control area		CL	CL	CL	CL	CL	*
EVERY 6 MONTHS	Wash pre-filter, check air cleaner element			S	S	S	S	35
	Check spark plug and plug cap condition** / Check compression			CS	CS	CS	CS	31

* Items without a page number reference should be serviced by a Yamaha dealer or other qualified mechanic. This manual does not contain these procedures. They are contained in the Service Manual.

** Related to emission control system.

*** Do no operate vehicle if discrepancy is found.

CS - CHECK **CA** - CHECK AND ADJUST **R** - REPLACE **S** - SERVICE **CL** - CLEAN AND LUBRICATE **L** - LUBRICATE

	Remarks	Daily Pre-Operation	40 Rounds 20 hours 100 miles 160 kms (Every month)	250 rds 125 hrs 600 mls 1000 kms (Every 6 months)	500 rds 250 hrs 1200 mls 2000 kms (Every year)	1000 rds 500 hrs 2500 mls 4000 kms (Every 2 years)	2000 rds 1000 hrs 5000mls 8000 kms (Every 4 years)	Page
EVERY 6 MONTHS	• Check brake cable operation • Inspect for abrasions and damage, and replace if necessary			CS R	CS R	CS R	CS R	44
	Check shock absorbers for oil leaks and damaged springs			CS	CS	CS	CS	*
	Check fuel hoses for cracks or damage, and replace if necessary			CS R	CS R	CS R	CS R	*
EVERY YEAR	Replace engine oil				R	R	R	32
	Grease primary and secondary clutch				L	L	L	*
	Adjust throttle cables,** check electronic fuel injection throttle shaft for wear**				CA	CA	CA	*
	Check starter V-belt for damage and tension				CS	CS	CS	*
	Check drive belt for slippage, wear or scratches				CS	CS	CS	36
	Check operation of speed limiter				CS	CS	CS	*
	Apply battery terminal protectant				S	S	S	*
	Check wiring connections and insulation				CS	CS	CS	*

* Items without a page number reference should be serviced by a Yamaha dealer or other qualified mechanic. This manual does not contain these procedures. They are contained in the Service Manual.

** Related to emission control system.

*** Do no operate vehicle if discrepancy is found.

CS - CHECK **CA** - CHECK AND ADJUST **R** - REPLACE **S** - SERVICE **CL** - CLEAN AND LUBRICATE **L** - LUBRICATE

	Remarks	Daily Pre-Operation	40 Rounds 20 hours 100 miles 160 kms (Every month)	250 rds 125 hrs 600 mls 1000 kms (Every 6 months)	500 rds 250 hrs 1200 mls 2000 kms (Every year)	1000 rds 500 hrs 2500 mls 4000 kms (Every 2 years)	2000 rds 1000 hrs 5000mls 8000 kms (Every 4 years)	Page
EVERY YEAR	Perform primary and secondary clutch maintenance: (primary) - Inspect sheaves for wear and damage - Inspect weights/ washer and sliders for wear (secondary) - Inspect ramp shoes for wear - Replace if necessary				CL	CL	CL	*
	Check rear axle bearing play for roughness or freeplay				CS	CS	CS	*
	Check steering knuckle bushing free play / Adjust wheel alignment				CA	CA	CA	*
	Check wheel nut tightness, front wheel bearing play				CS	CS	CS	*
	Adjust parking brake release				CA	CA	CA	45
	Check tail pipe screen for obstructions				CS	CS	CS	*
	Check transmission oil level and inspect for leakage				CS	CS	CS	41
	Inspect pedal components***				CS	CS	CS	*
EVERY 2 YEARS	Check starter generator brushes for wear and commutator for dirt					CS	S	*

* Items without a page number reference should be serviced by a Yamaha dealer or other qualified mechanic. This manual does not contain these procedures. They are contained in the Service Manual.

** Related to emission control system.

*** Do no operate vehicle if discrepancy is found.

CS - CHECK **CA** - CHECK AND ADJUST **R** - REPLACE **S** - SERVICE **CL** - CLEAN AND LUBRICATE **L** - LUBRICATE

	Remarks	Daily Pre-Opera-tion	40 Rounds 20 hours 100 miles 160 kms (Every month)	250 rds 125 hrs 600 mls 1000 kms (Every 6 months)	500 rds 250 hrs 1200 mls 2000 kms (Every year)	1000 rds 500 hrs 2500 mls 4000 kms (Every 2 years)	2000 rds 1000 hrs 5000mls 8000 kms (Every 4 years)	Page
EVERY 4 YEARS	Replace transmis-sion oil						R	41
	Check tightness of cylinder head / Adjust valves						CA	*
	Inspect brake shoes and adjust or replace if nec-essary						CS R	*

* Items without a page number reference should be serviced by a Yamaha dealer or other qualified mechanic. This manual does not contain these procedures. They are contained in the Service Manual.
** Related to emission control system.
*** Do no operate vehicle if discrepancy is found.

TIP

Some maintenance items need more frequent service if you drive in unusually wet, dusty, sandy, or muddy areas.

EXHAUST EMISSION CONTROL SYSTEM AND COMPONENTS

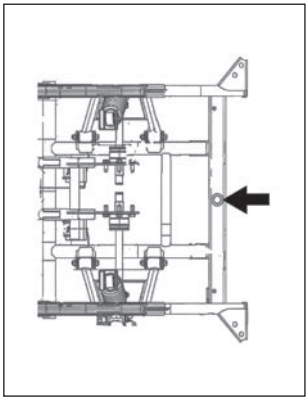
Item	Abbreviation
ELECTRONIC FUEL INJECTION	EFI
ELECTRONIC CONTROL UNIT & PLUG, SPARK	ECU
CRANKCASE 1 & HEAD, CYLINDER 1	PCV (Positive Crankcase Ventilation)
AIR FILTER ASSY.	ACL (Air Cleaner)
MUFFLER	MUFF., 2
CARBON CANISTER	CC
INVERSION VALVE	IV

The above items and the corresponding abbreviations are provided in accordance with U.S. EPA REGULATIONS FOR SMALL NONROAD ENGINES and the CALIFORNIA REGULATIONS FOR NEW 1995 AND LATER OFF-HIGHWAY RECREATIONAL VEHICLES AND ENGINES.
The abbreviations conform to the latest version of the SAE's recommended practice document J1930, "Diagnostic Acronyms, Terms, and Definitions For Electrical/Electronic System".
It is recommended that these items be serviced by a Yamaha dealer or other qualified mechanic.

TROUBLESHOOTING

If the vehicle's engine will not start, use the following chart:

Cause	Remedy
Fuel System	
No fuel in tank	Fill fuel tank
Fuel pump inoperable	Consult Yamaha dealer
Clogged fuel line	Consult Yamaha dealer
Foreign matter in fuel filter	Consult Yamaha dealer
Dirty injector	Consult Yamaha dealer
Electrical System	
Spark plug dirty with carbon, or wet	Clean carbon or wipe spark plug dry
Faulty ignition system	Consult Yamaha dealer



REAR LIFTING POINT

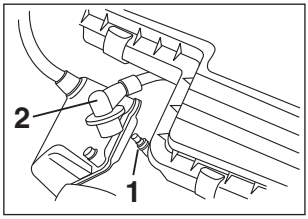
If the rear of the car needs to be lifted for a maintenance procedure, make sure it is lifted at the correct rear lifting point (see arrow).

SPARK PLUG INSPECTION

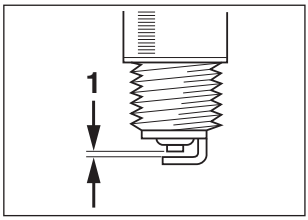
You should periodically remove and inspect the spark plug. Dirty or worn spark plugs can cause poor performance.

⚠ WARNING

When removing or installing the spark plug, be careful not to damage the insulator. A damaged insulator could allow external sparks, which could lead to explosion or fire. Death or serious personal injury can result from failing to comply with the safety instructions in this manual.



1. Spark plug
2. Spark plug cap



1. Gap

1. Check for discoloration and remove carbon deposits with a spark plug cleaner or wire brush. The normal electrode color will be tan.
2. Check the spark plug type, and check the spark plug gap with a feeler gauge.

Standard spark plug:
BPR2ES
Spark plug gap:
0.7 - 0.8 mm (0.028 - 0.031 in.)

3. Clean the gasket and plug surfaces and install the spark plug finger-tight before tightening to the following torque:

Spark plug torque:
20 N·m (2.0 kgf·m, 14.5 lb·ft)

ENGINE OIL REPLACEMENT

1. Warm up the engine for several minutes, place the golf car on a level surface, then stop the engine.

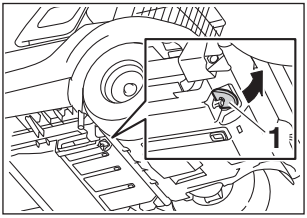
WARNING

Use caution not to touch hot engine oil or hot engine parts, during the following procedure. Death or serious personal injury can result from failing to comply with the safety instructions in this manual.

NOTICE

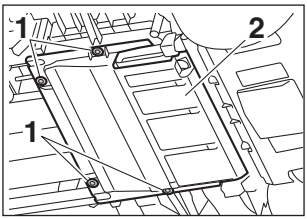
To remove the oil from the engine, an oil extraction tool can be used to extract the oil via the dipstick feed hole instead of draining out the drain plug.

2. Block rear tires and lift front end of car. Secure car with car stands.
3. Release the rubber tab.

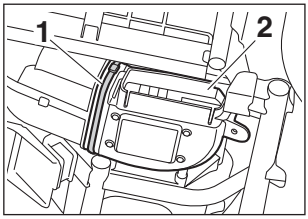


1. Rubber tab

4. Remove the lower panel by removing the bolts.

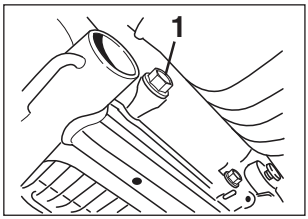


1. Bolt
2. Lower panel



1. Tie strap
2. Exhaust duct

5. Remove the tie strap, and then remove the exhaust duct.



1. Drain plug

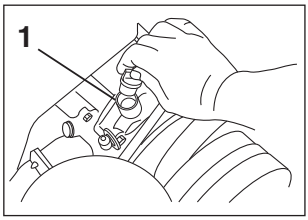
6. Place an oil pan under the engine drain plug.
7. Remove the oil drain plug and let the oil drain completely.

TIP

Dispose of used oil in an environmentally safe way, such as taking oil to an oil collection station.

8. Install the drain plug, along with a new drain plug gasket, fingertight before tightening to the following torque:

Drain plug torque:
31 N·m (3.1 kgf·m, 23 lb·ft)



1. Oil filler hole

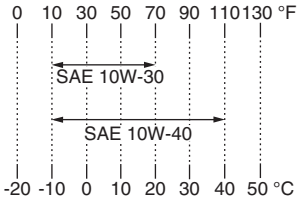
9. Add the correct quantity of oil through the oil filler hole.

Recommended oil brand:

YAMALUBE®

Available oil grade:
API SE type or higher JASO MA or MB

Available viscosity index:
10W-30 or 10W-40



Engine oil capacity:
1.00 L (1.06 US qt)

NOTICE

Use care not to fill past the MAX dipstick mark, and be sure no foreign material enters the crankcase. Serious engine damage can result.

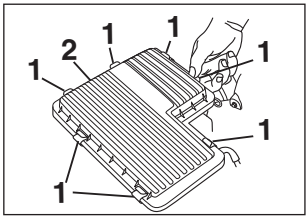
After replacing engine oil, check for oil leaks around the drain plug. If oil leaks are found, consult a Yamaha dealer.

10. Install the exhaust duct, and then install the tie strap.
11. Install the lower panel by installing the bolts.
12. Secure the rubber tab.

WHY YAMALUBE

YAMALUBE oil is a Genuine YAMAHA Part born of the engineers' passion and belief that engine oil is an important liquid engine component. We form teams of specialists in the fields of mechanical engineering, chemistry, electronics and track testing, and have them develop the engine together with the oil it will use. Yamalube oils take full advantage of the base oil's qualities and blend in the ideal balance of additives to make sure the final oil clears our performance standards. Thus, Yamalube mineral, semisynthetic and synthetic oils have their own distinct characters and value. Yamaha's experience gained over many years of research and development into oil since the 1960's helps make Yamalube the best choice for your Yamaha engine.

YAMALUBE®

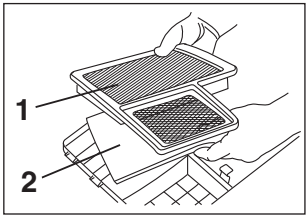


1. Air filter cover clips
2. Air filter cover

AIR FILTER

To remove the air filter elements:

1. Unlatch the air filter cover clips and remove cover.

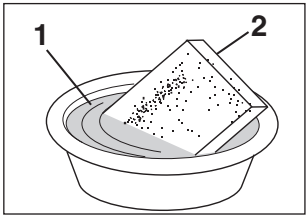


1. Air filter
2. Pre-filter

2. Lift the air filter and pre-filter out of the air filter case.

NOTICE

Be careful not to drop anything into the air inlet. Serious engine damage can result.



1. Soap and water
2. Foam element

Inspection and cleaning:

3. Wash the foam pre-filter in soap and water. Allow it to dry.
4. Check the filter element. If damaged or dirty, replace it.

NOTICE

Do not wring out the foam pre-filter, this could cause it to tear.

5. To replace the elements, reverse the above steps.

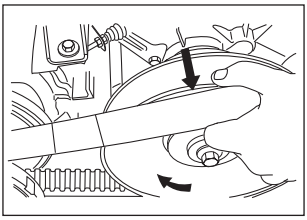
NOTICE

The pre-filter has a notch on one side. It will only fit in the case one way. Serious engine damage can result from improperly positioned filter.

DRIVE BELT

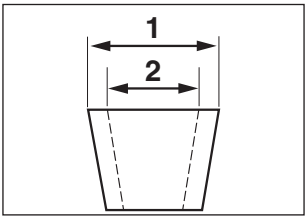
To remove the drive belt:

1. Set the drive select lever halfway between forward and reverse.
2. Pull up on the drive belt and push it outward over the edge of the secondary sheave.
3. Turn the secondary sheave clockwise and the drive belt will roll off the sheave.
4. Remove the drive belt from the primary sheave.



Inspection:

To inspect the drive belt, check for frayed edges or tears, and measure drive belt against the following specification. If the belt shows excessive wear or damage, replace the belt with a new one.



1. New: 31.0 mm (1.22 in.)
2. Replace when belt reaches: 27.0 mm (1.06 in.)

5. To install the drive belt, reverse the above steps, rolling the belt back over the secondary sheave.

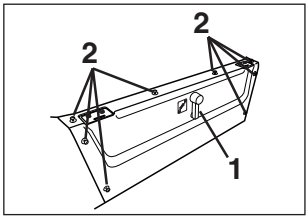
CLUTCH

Maintenance is required each year for proper drive operation. Refer to the Periodic Maintenance chart in this owner's manual.

AIR DUCT

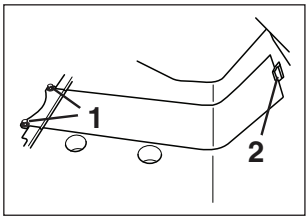
Check for debris in intake air duct, tubing and connections:

1. Park the golf car on a flat, level surface and apply the parking brake.
2. Remove the floor mat.
3. Remove the seat.



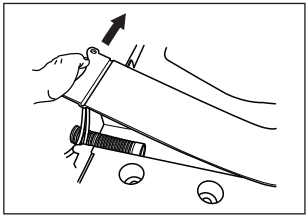
1. Drive select lever
2. Retaining pins

4. Remove the drive select lever.
5. Unscrew and remove the 8 retaining pins and remove the front panel.

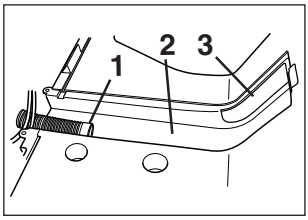


1. Plastic rivets
2. Tab

6. Remove the 2 plastic rivets.

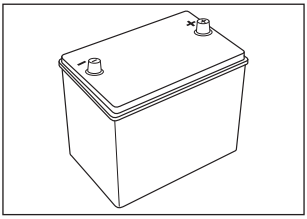


7. Lift up on the floor panel and slide the panel tab out of the slot. Remove the panel.



1. Intake tube
2. Floor trough
3. Intake air opening

8. Clean out any dirt or debris from the intake tube, the floor trough and the intake air opening.
9. After removing debris, install the floor panel, front panel, drive select lever, seat and the floor mat.



BATTERY

The 12-volt battery that provides starting power to your gas car normally does not require the addition of water. If the battery loses its charge, have an experienced mechanic charge it.

⚠ WARNING

Battery electrolyte is poisonous and dangerous, causing severe burns, etc. It contains sulfuric acid. Avoid contact with skin, eyes, or clothing.
Antidote:
EXTERNAL: Flush with water.
INTERNAL: Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg, or vegetable oil. Call physician immediately.
EYES: Flush with water for 15 minutes and get prompt medical attention.
Batteries produce explosive gases. Keep sparks, flame, cigarettes, etc., away.
Ventilate when charging or using in enclosed space. Always shield eyes when working near batteries.
KEEP OUT OF REACH OF CHILDREN.

FUSE REPLACEMENT

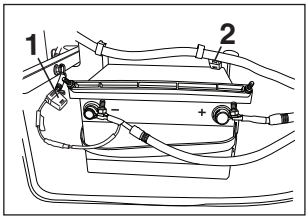
WARNING

Be sure to use the specified fuse. Using a wrong fuse can cause electrical system damage and create a fire hazard. Death or serious personal injury can result from failing to comply with the safety instructions in this manual.

NOTICE

When replacing a fuse, be sure the main switch is turned off to prevent accidental short-circuiting and electrical system damage.

The fuse holders are located under the seat. The USB fuse is located under the cup holder.



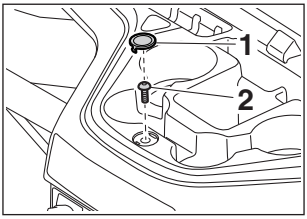
1. Main Blade fuse (20 A, 32V)
2. Fuse Blade fuse (10 A, 32V)

To access the fuse holders

1. Lift up the seat. (See page 18.)
2. Locate the in-line fuse holders on the main wire harness next to the battery and on the pigtail off the negative battery cable.
3. Pull the fuse holder cover off.
4. Pull the fuse out and inspect it. Replace the fuse if necessary.
5. Install the fuse holder cover.
6. Close the seat.

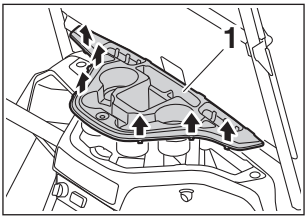
To access the USB fuse

1. Remove the ornament, and then remove the bolt.

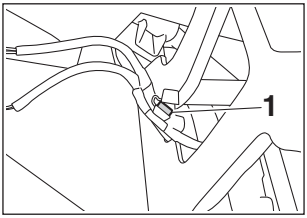


1. Ornament
2. Bolt

2. Remove the cup holder.



1. Cup holder



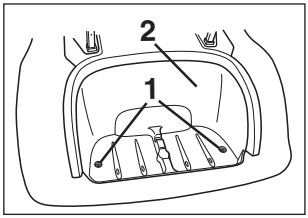
1. USB Blade fuse
   (5.0 A, 32V)

3. Pull the fuse out and inspect it. Replace the fuse if necessary.
4. Install the cup holder.
5. Install the bolt, and then install the ornament.

TRANSMISSION OIL

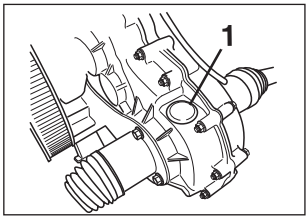
To check the transmission oil level:

1. Place the golf car on a flat, level surface.
2. Remove two bolts and remove the rear floor cover.



1. Bolt
2. Rear floor cover

3. Clean the area around the transmission oil fill plug.

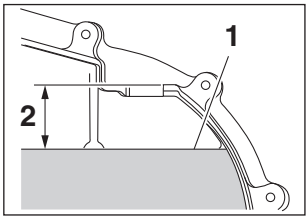


1. Oil fill plug

NOTICE

Do not allow foreign material to enter transmission. Serious transmission damage can result.

4. The oil level should be specified level from the milled surface of the oil fill hole.



1. Transmission oil
2. Correct oil level

Transmission oil level:
135 mm

5. The level is low, add sufficient oil of the recommended type to raise it to the specified level.

Recommended oil brand:

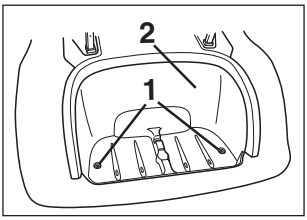
YAMALUBE®

Available viscosity index:
SAE 80W-90 or SAE 90
Transmission oil change quantity:
475 cc (475 mL, 0.50 US qt)

6. Install the transmission oil fill plug.
7. Install the rear floor cover and secure with two bolts.

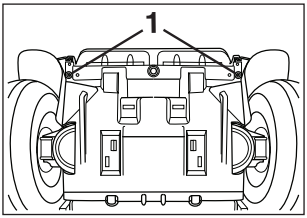
To replace transmission oil:

1. Place the golf car on a flat, level surface.
2. Remove two bolts and the rear floor cover.
3. Block rear tires and lift front end of golf car. Secure golf car with car stands.



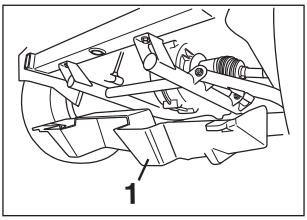
1. Bolt
2. Rear floor cover

4. Remove the two panel retaining bolts for the lower panel.



1. Panel bolts

5. Tip the rear of the lower panel down and unhook the front of the panel to remove the panel.
6. Place an oil pan under the transmission.

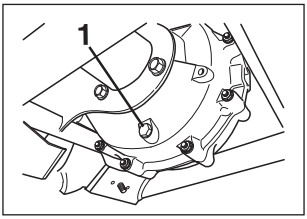


1. Lower panel

7. Remove the drain plug from the transmission and allow the oil to drain completely.

TIP

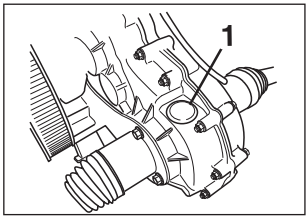
Dispose of the oil in an environmentally safe way, such as taking oil to an oil collection station.



1. Oil drain plug

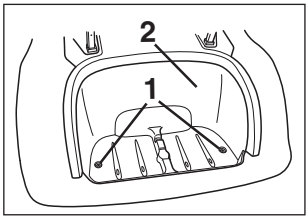
8. Install the drain plug.

Transmission oil drain bolt tightening torque:
4.3 N·m (0.43 kgf·m, 3.1 lb·ft)



1. Oil fill plug

9. Remove the oil fill plug on top of the transmission.
10. Refill the transmission case with recommended oil and install the oil level plug.



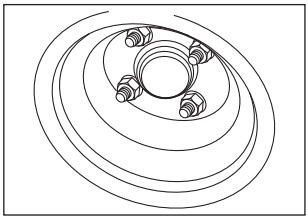
1. Bolt
2. Rear floor cover

11. Install the lower panel and exhaust duct tabs.
12. Install the rear floor cover and secure with two bolts.

Recommended oil brand:

YAMALUBE®

Available viscosity index:
SAE 80W-90 or SAE 90
Transmission oil change quantity:
475 cc (475 mL, 0.50 US qt)



WHEEL REPLACEMENT

⚠ WARNING

Before performing wheel or brake maintenance, verify that the main switch is in the "OFF" position. Accidental starting of the vehicle could cause the vehicle to move, causing death or serious personal injury.

To remove and install a wheel on your golf car:
1. With the wheels blocked to prevent the golf car from moving, loosen the wheel nuts.
2. Elevate the golf car with a suitable jack and remove the wheel nuts and the wheel.
3. Reverse the removal steps when installing the wheel.

Wheel nut tightening torque:
100 N·m (10 kgf·m, 74 lb·ft)

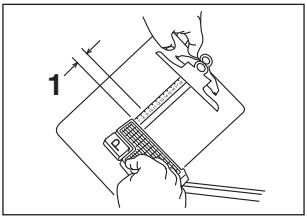
BRAKE ADJUSTMENT

The brakes on your golf car are self-adjusting.

Before you operate the golf car, press down on the brake pedal several times to make sure the brakes are functioning properly.

WARNING

Consult your Yamaha dealer before using your golf car if you suspect brake problems. Brake failure could result in a serious accident. Death or serious personal injury can result from failing to comply with the safety instructions in this manual.



1. Brake pedal free play

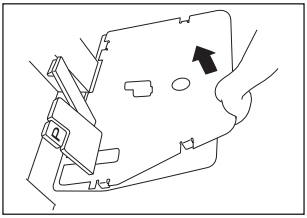
BRAKE PEDAL FREE PLAY ADJUSTMENT

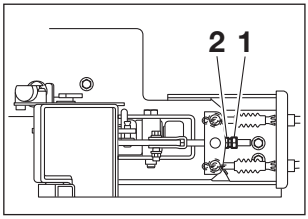
Check the brake pedal free play by pressing against the pedal with two fingers (using light force) and measuring the distance the pedal travels before resistance is felt.

Brake pedal free play:
50-55 mm (1.97-2.17 in.)

To adjust the brake pedal free play:

1. Remove the floor mat and service lid from the floor of the golf car.





1. Locknut
2. Adjusting nut

2. If the free play distance needs adjusting, loosen the lock nut and turn the adjusting nut in or out until the free play specification is met. Then tighten the lock nut in place.

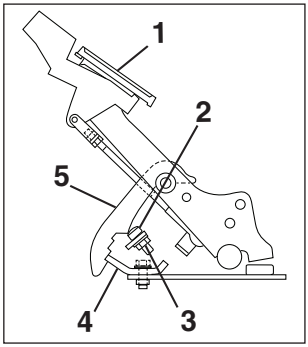
⚠ WARNING

Do not over-tighten the brake cables. Over-tightening will increase brake wear and affect overall performance of golf car. Premature brake wear can result. Death or serious personal injury can result from failing to comply with the warning labels in this manual.

PARKING BRAKE RELEASE ADJUSTMENT

NOTICE

Before performing parking brake release adjustment, adjust brake pedal free play.



1. Parking brake pedal
2. Bolt
3. Locknut
4. Brake nail
5. Sector

1. Apply pressure to the parking brake pedal until the brake nail catches the first latch position on the sector.
2. Loosen the locknut and turn the bolt counterclockwise until it contacts the sector.
3. Turn the bolt clockwise 1/3 of a turn (120 degrees), then tighten locknut.

Fill the fuel tank with fresh fuel and add the specified amount of Yamaha Fuel Stabilizer and Conditioner or equivalent product. Operate the vehicle for at least five minutes to distribute treated fuel through the fuel system.

Specified amount:
7.5 cc of stabilizer for each liter of fuel (1 oz. of stabilizer for each gallon of fuel)

TIP

Use of fuel stabilizer and conditioner eliminates the need to drain the fuel system. Consult a Yamaha dealer if the fuel system needs to be drained instead.
Perform the following preparations when storing your golf car for extended periods of time:

NOTICE

Yamaha does not approve the use of high-pressure washers to clean the products they manufacture. Doing so may damage the finish on the body or result in doing other damage not covered by warranty.

TIP

Turn main switch key to “OFF” position, remove key and store key in a safe place.

DRAINING FUEL

⚠ WARNING

Gasoline and its vapors are highly flammable and explosive. Death or serious personal injury can result from failing to comply with the safety instructions in this manual.

- **Do not smoke when draining fuel and keep away from sparks, flames, or other sources of ignition.**
- **Stop engine and allow it to cool for several minutes before draining fuel.**
- **Drain fuel in a well-ventilated area.**
- **Take care not to spill gasoline. If gasoline spills, wipe it up immediately with dry rags.**
  Always dispose of gasoline-soaked rags properly.
- **Tighten the filler cap securely after checking fuel level to avoid leaking.**
- **If you inhale a lot of gasoline vapor, or get gasoline in your eyes, get immediate medical attention.**
- **If any gasoline gets on your skin, immediately wash with soap and water. Change clothing if gasoline spills on it to avoid potential fire hazard.**

ENGINE PREPARATION

With the key removed and the spark plug lead disconnected, turn the clutch by hand until compression is felt. This puts the valves in the closed position.

CHASSIS PREPARATION

1. Verify the tire pressure is set to 110 kPa (1.12 kgf/cm^2, 16 psi).
2. Clean exterior of the golf car and apply a rust inhibitor.
3. Cover the golf car with a breathable cover and store it in a dry, well-ventilated area.

BATTERY PREPARATION

1. Remove the battery from your golf car and store it in a cool, dry place that stays between 0°C (32°F) and 30°C (90°F).
2. Have the battery recharged every 60-90 days to keep it fully charged. The battery must be kept fully charged to avoid damage.
3. Batteries like the one supplied with your car normally do not require you to check the water level inside the battery for the one year warranty period provided by the manufacturer.

NOTICE

Do not allow cleaning solution to enter battery cells. Serious battery damage can result.

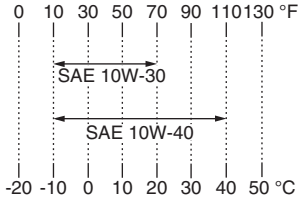
4. Clean the top of the battery with a solution of baking soda and water, as necessary, to remove corrosion.

SPECIFICATIONS

GENERAL SPECIFICATIONS

Items	DR2 QUIETECH
Dimensions:	
Overall length	2380 mm (93.7 in.)
Overall width	1200 mm (47.2 in.)
Overall height (steering height)	1200 mm (47.2 in.)
Overall height (sun top height)	1790 mm (70.5 in.)
Height of floor	295 mm (11.6 in.)
Wheelbase	1635 mm (64.4 in.)
Tread:	
Front	885 mm (34.8 in.)
Rear	975 mm (38.4 in.)
Ground clearance	110 mm (4.3 in.)
Weight:	
Curb weight (With Battery, Oil & Gasoline)	310 kg (683 lb)
Curb weight (With Sun top, W/S, Battery, Oil & Gasoline)	340 kg (750 lb)
Noise Level:	80.8 dB(A) at acceleration 74.3 dB(A) at constant speed
Vibration Level:	7.3 m/s^2 on steering wheel at 12 mph 0.7 m/s^2 on floor board at 12 mph
Performance:	
Maximum speed	19.2 km/h (12.0 mph)
Maximum reverse speed	15.6 km/h (9.7 mph)
Minimum turning radius	2.8 m (9.2 ft)
Seating capacity	Two occupants per seat
Hill climbing capacity	20°
Fuel Tank Capacity:	22 L (5.8 US gal)

ENGINE

Items	DR2 QUIETECH
Description:	
Engine type	4-stroke, Gasoline, OHV
Number of cylinders	Single
Displacement	357 cm^3
Bore × stroke	85 × 63 mm (3.30 × 2.48 in.)
Compression ratio	8.1:1
Output / Gross	9.17 kw (12.29 hp) / 3600 rpm
Output / Net	6.71 kw (9.00 hp) / 3600 rpm
Cooling system	Forced air-cooled
Starting system	Electric-Starter/Generator
Ignition system	TCI
Spark plug type	BPR2ES
Spark plug gap	0.7-0.8 mm (0.028-0.031 in.)
Lubrication system	Splash
Engine gas type	Regular unleaded gasoline (Gasohol E10 acceptable)
Recommended oil brand	YAMALUBE®
Available oil grade	API SE type or higher JASO MA or MB
Available viscosity index	10W-30 or 10W-40 
Engine oil capacity	1.00 L (1.06 US qt)
Value of CO_2 emissions	925 g/kWh, J0B, EU type-approval certified This CO_2 measurement results from testing over a fixed test cycle under laboratory conditions a parent engine representative of the engine family and shall not imply or express any guarantee of the performance of a particular engine.

SPECIFICATIONS

TRANSMISSION

Items	DR2 QUIETECH
Transmission:	
Type	V-belt automatic centrifugal engagement
V-belt width and outer line length	31.0 × 1000 mm (1.22 × 39.37 in.)
V-belt wear limit	27.0 mm (1.06 in.)
Governor:	
Type	Oil bath flyweight
Differential/reduction gear:	Secondary reduction system helical gear Secondary reduction ratio: Forward 11.59:1; Reverse 14.36:1 Differential type bevel gear Lubricant/capacity SAE 80W-90 or SAE 90 gear oil/475 cc (475 mL, 0.50 US qt)

BATTERIES

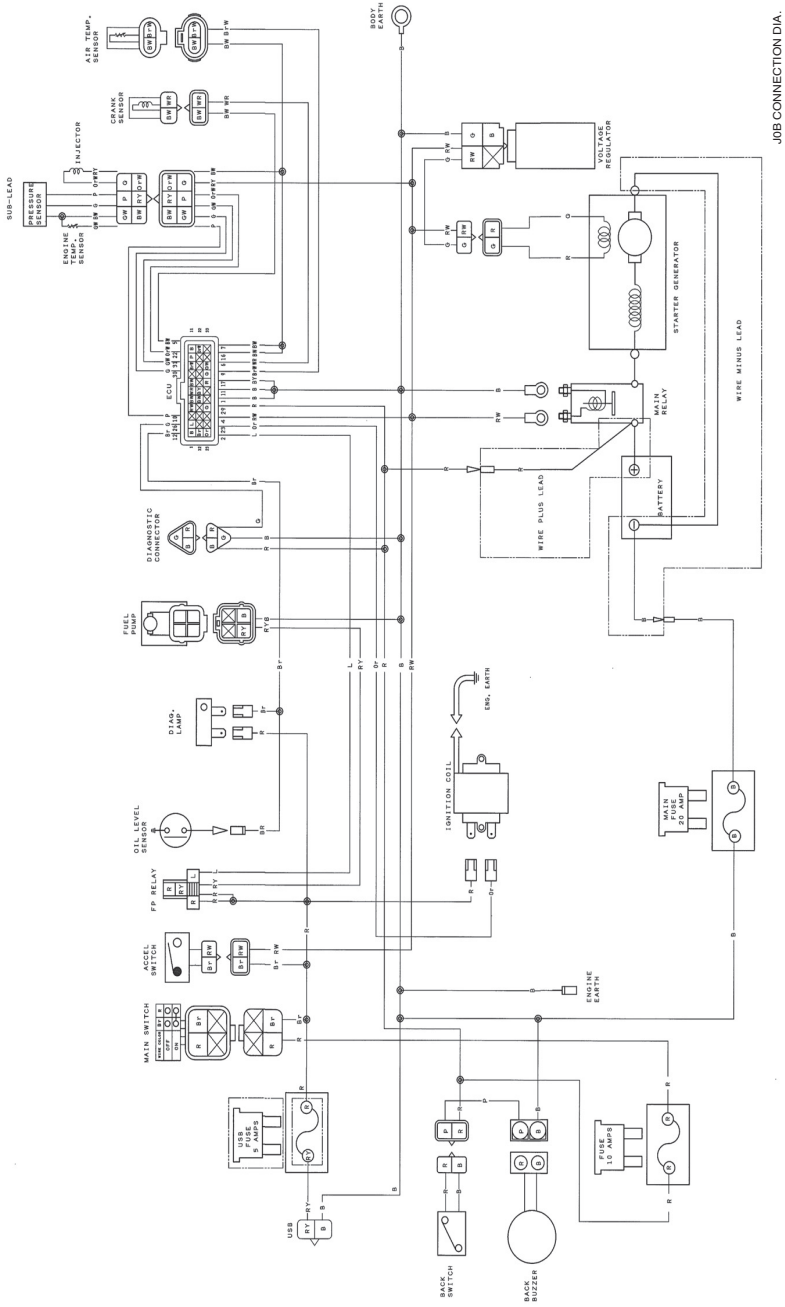
Items	DR2 QUIETECH
Battery:	BCI group 24, RC: minimum 75 min CCA: minimum 400A

CHASSIS

Items	DR2 QUIETECH
Suspension:	
Front	Independent (Coil-over strut type)
Rear	Independent (Coil-over strut type)
Steering system:	
Type	Rack and Pinion
Steering angle (L.H.)	1.85 turn
Steering angle (R.H.)	1.85 turn

Items	DR2 QUIETECH
Brakes:	
Brake system	Mechanical drum brake on each rear wheel with self-adjusters
Type of brake	Dual internal expanding shoe Leading/trailing shoes (self-adjusting)
Brake pedal freeplay linkage adjustment	50-55 mm (1.97-2.17 in.)
Parking brake:	
Type	Foot type; parking brake with automatic release.
Wheel:	
Tire size: (Dia. [in]) × (Width [in]) - (Rim size [in]) / Ply rating)	
Front	18 × 8.50–8.00/4 PR
Rear	18 × 8.50–8.00/4 PR
Rim size: (Dia. [in]) × (Width [in]) (Offset [mm])	8 × 7.0 ±0
Tire pressure:	110 kPa (1.12 kgf/cm^2, 16 psi)

DR2 QUIETECH WIRING DIAGRAM



CONTENTS

1 IMPORTANT LABELS

2 ⚠ SAFETY INFORMATION

3 CONTROLS

4 PRE-OPERATION CHECKS

5 OPERATION

6 MAINTENANCE AND ADJUSTMENT

7 STORAGE

8 SPECIFICATIONS

9 WIRING

YAMAHA

PRINTED IN USA
2023.08-0.3×1 CR
(E)