



MODEL YEAR **2019**

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



**UTILITY VEHICLE**

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

**DRIVE<sup>2</sup>** **EFI**  
**CONCIERGE 6**

**DR2A 6PA**



**WARNING:** Operating, servicing and maintaining a passenger vehicle or off-road vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to [www.P65Warnings.ca.gov/passenger-vehicle](http://www.P65Warnings.ca.gov/passenger-vehicle)

## INTRODUCTION

Congratulations on your purchase of a Yamaha six-passenger electronic fuel injection (EFI) vehicle. This manual contains information you will need for proper operation, maintenance, and care of your EFI vehicle. 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 vehicle, please consult a Yamaha dealer.

**Yamaha Golf-Car Company**

**DR2A 6PA  
OWNER'S/OPERATOR'S  
MANUAL**

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1st Edition**

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Yamaha Golf-Car Company  
is expressly prohibited.**

**Printed in U.S.A.  
LIT-19626-A0-19**

# 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 vehicle 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 vehicle 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 vehicle. This manual should be considered a permanent part of your vehicle and should remain with the vehicle when resold.

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# WARRANTY

## LIMITED 2-YEAR WARRANTY FOR TRANSPORTATION AND UTILITY VEHICLES

1

Yamaha Golf-Car Company hereby warrants that any new Yamaha utility vehicle or any multi passenger cars or specialty vehicles purchased from Yamaha, or an Authorized Dealer or Distributor in the United States will be free from defects in material and workmanship for TWO years from date of purchase, subject to the stated limitations. DURING THE PERIOD OF WARRANTY, any authorized Yamaha golf car service technician, dealer, or distributor will, free of charge, repair or replace, at Yamaha's option, 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 vehicle's warranty period. All parts replaced under warranty become property of Yamaha Golf-Car Company.

| Common Parts                           |         | Electric Car Specific                                                 |                                                                                                             |
|----------------------------------------|---------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Frame                                  | 2 Years | Battery - Trojan ' T875 ' <u>without</u><br>HydroLink Watering System | 4 Years or 23,500 amp-hours<br>whichever comes first<br><small>*Detailed condition on the next page</small> |
| Transaxle                              | 2 Years |                                                                       |                                                                                                             |
| Pedals                                 | 2 Years |                                                                       |                                                                                                             |
| Brakes (excluding shoes / pads)        | 2 Years |                                                                       |                                                                                                             |
| Electrical wires, switches, and relays | 2 Years |                                                                       |                                                                                                             |
| Suspension / Steering components       | 2 Years |                                                                       |                                                                                                             |
| Seats                                  | 2 Years | Electric Motor                                                        | 2 Years                                                                                                     |
| Sun Top                                | 2 Years | Motor Controller                                                      | 2 Years                                                                                                     |
| Bumpers / Body Parts                   | 2 Years | Charger                                                               | 2 Years                                                                                                     |
| Floor Mats                             | 2 Years | Charger Cord                                                          | 2 Years                                                                                                     |
| Scorecard Holders                      | 2 Years | Charger Receptacle                                                    | 2 Years                                                                                                     |
| Bag Carrier                            | 2 Years | Throttle Position Sensor                                              | 2 Years                                                                                                     |
| Common Accessories                     |         | GAS Car specific                                                      |                                                                                                             |
| Windshield                             | 3 Years | Exhaust / Intake / Generator                                          | 2 Years                                                                                                     |
| Head Light                             | 2 Years | Gas Engine                                                            | 2 Years                                                                                                     |
| Tail Light                             | 2 Years | Throttle Cables / Controls                                            | 2 Years                                                                                                     |
|                                        |         | Battery                                                               | 1 Year                                                                                                      |
|                                        |         | Clutch (excluding drive belt)                                         | 2 Years                                                                                                     |
|                                        |         | All Remaining Parts                                                   | 1 year                                                                                                      |

**EXCLUSIONS** from this Warranty shall include any failures caused by:

- Abnormal strain, neglect, or abuse, including lack of proper maintenance, and use contrary to the Owner's/Operator's Manual instructions.
- Accident or collision damage.
- Installation of parts or accessories that are not original equipment.
- Fading, rust, or deterioration due to exposure or ordinary wear and tear.
- Modifications or alterations that affect the car's condition, operation, performance, or durability.
- Damage due to improper transportation.
- Acts of God, e.g. lightning, hail damage, flooding, fire, etc.

This Limited Warranty does not cover any parts replaced due to normal wear or routine maintenance, including oil and air filter elements, brake shoes, tire wear, spark plugs, starter and clutch drive belts. Any charges incurred in transporting a golf car or charger to and from an authorized Yamaha golf car dealer for service or in performing field service are also excluded from this warranty. Gasoline-powered golf car starting batteries on vehicles equipped with a golf course GPS device, or any other device with a parasitic current draw, unless the vehicle is equipped from the factory with an optional deep cycle starting battery, are also excluded from this warranty.

**THE CUSTOMER'S RESPONSIBILITY** under this warranty shall be to operate and maintain the golf car and charger as specified in the appropriate Owner's/Operator's Manual, and give notice to an authorized Yamaha golf car dealer of any and all apparent defects within ten (10) days after discovery, and make the vehicle or charger available at that time for inspection and repairs by the dealer's authorized representative.

**WARRANTY TRANSFER:** This warranty is to the original owner only and is not transferable.

### EMISSION CONTROL SYSTEM WARRANTY

Yamaha Motor Corporation, U.S.A. also warrants to the ultimate purchaser of each gas-powered golf car covered by this warranty that the product is designed, built, and equipped so as to conform at the time of sale with all U.S. emission standards applicable at the time of manufacture and that it is free from defects in materials and workmanship which would cause it not to meet these standards within the same time period described in THE PERIOD OF WARRANTY above, or a minimum of two years, whichever is longer. Failures other than those resulting from defects in material or workmanship which arise solely as a result of owner abuse and/ or lack of proper maintenance are not covered by this warranty.

Questions concerning this warranty contact Yamaha at:  
1270 Chastain Road  
Kennesaw, Georgia 30144  
1-866-747-4027  
powerproductsemissionwarranty@yamaha-motor.com

# WARRANTY

1

*Yamaha Golf-Car Company makes no other warranty of any kind, expressed or implied. All implied warranties of merchantability and fitness of merchantability and fitness for a particular purpose which exceed the obligations and time limits stated in this warranty are hereby disclaimed by Yamaha Golf-Car Company and excluded from this Warranty.*

*Some states do not allow limitations on how long implied warranty lasts, so the above limitation may not apply to you. Also excluded from this Warranty is 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 give you specific legal rights, and you may also have other rights, which vary from state to state.*

YAMAHA GOLF-CAR COMPANY, KENNESAW, GEORGIA 30144

EFFECTIVE DATE: 5/1/17

# WARRANTY

1

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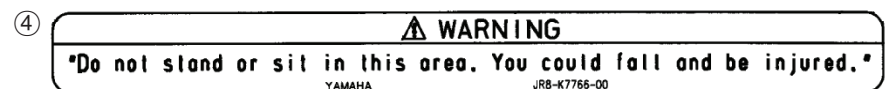
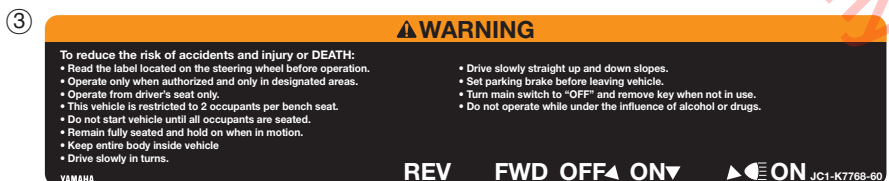
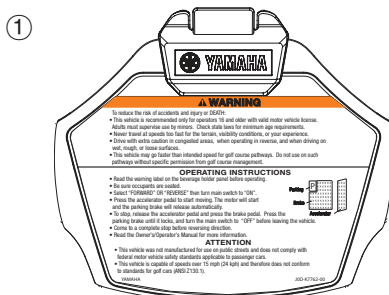
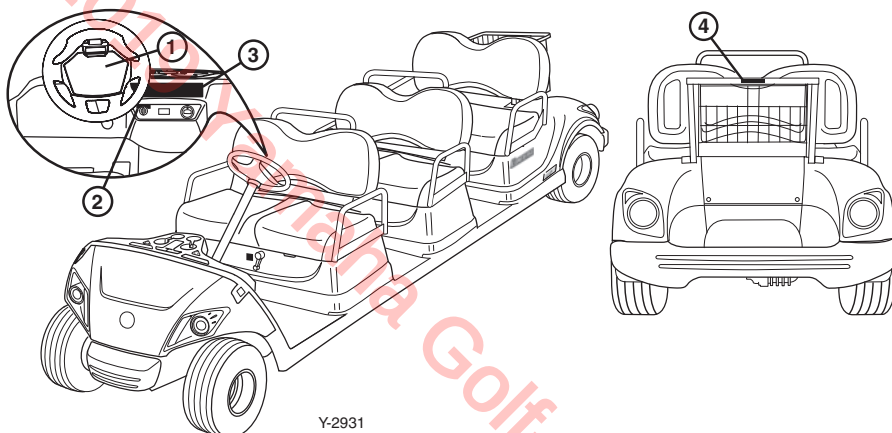
# IMPORTANT LABELS

## ! SAFETY AND INSTRUCTION LABELS

### ! WARNING

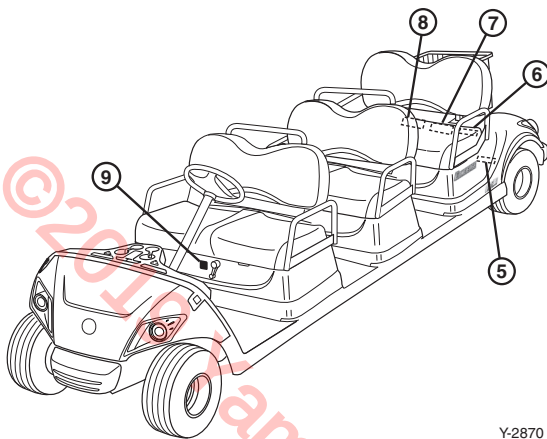
Please read the following labels carefully before operating your six-passenger vehicle, and promptly replace any labels which become damaged or removed. **Death or serious personal injury can result from failing to read and comply with the safety instruction labels.**

2



# IMPORTANT LABELS

2



## SAFETY AND INSTRUCTION LABELS

### WARNING

Please read the following labels carefully before operating your six-passenger vehicle, and promptly replace any labels which become damaged or removed. Death or serious personal injury can result from failing to read and comply with the safety instruction labels.

Y-2870

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**EMISSION CONTROL INFORMATION**  
**YAMAHA MOTOR CO., LTD.**

THIS EQUIPMENT CONFORMS TO \*\*\* CALIFORNIA EV/HEAVY EMISSION REGULATIONS AND THIS ENGINE MEETS U.S. EPA EX/HEAVY REGS FOR \*\*\*.

EF:\*\*\*\*\*

THIS ENGINE IS CERTIFIED TO OPERATE ON UNLEADED GASOLINE

MAINTENANCE SPECIFICATIONS

IGNITION TIMING: 27 BTDC

NO OTHER ADJUSTMENT NEEDED

DISPLACEMENT: \*\*\* cc

EMISSION CONTROL SYSTEM: \*\*\*

EVAPORATIVE CODE CARB: \*\*\*\*\*

EVAPORATIVE CODE EPA: \*\*\*\*\*

ENGINE OIL: SAE 10W-30

SPARK PLUG GAP: .028-.031

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\*\*

6

YEAR OF CONSTRUCTION: \*\*\*\* MY\*\*\*\*

YAMAHA MOTOR POWERED PRODUCTS CO., LTD

200-1 SAKAGAWA, KAKEGAWA, JAPAN

NOMINAL SYSTEM VOLTAGE: \*\*V

GROSS OUTPUT: \*\*\*\*\* hp (\*\*\*\* kW)

FUEL TYPE: UNLEADED GASOLINE

VEHICLE WEIGHT: \*\*\*\*\* kg (\*\*\*\* lb)

MODEL: \*\*\*\*\*

MAX. BATTERY WEIGHT: \*\* kg

G.V.W.: \*\*\*\* kg (\*\*\*\* lb)

This vehicle complies with ANSI/ITSDF B56.8-2001-Part III \*\*\*\*F4236\*\*

8

This spark ignition system meets all requirements of the Canadian Interference Causing Equipment Regulations.

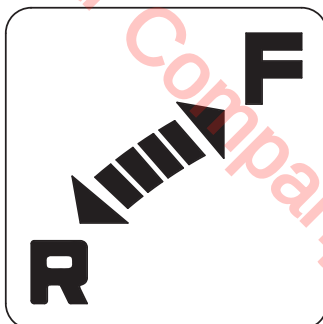
Ce système d'allumage par étincelle de véhicule respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

YAMAHA

JNB-H2377-00

Y-1606

9



Y-1610

7

|  | ⚠ WARNING                                                                                                                                                                                                                                                                                                                                                                                                                             | ⚠ AVERTISSEMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                           |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>GASOLINE IS HIGHLY FLAMMABLE AND EXPLOSIVE.</b> A fire or explosion could cause SEVERE INJURY or DEATH.</p> <ul style="list-style-type: none"> <li>• Keep heat, sparks, and open flame away from fuel tank and fuel lines.</li> <li>• Do not add fuel while engine is running or hot.</li> <li>• Do not modify fuel system.</li> <li>• Servicing should be performed by dealer or qualified personnel.</li> </ul> <p>YAMAHA</p> | <p><b>L'ESSENCE EST HAUTEMENT FLAMMABLE ET EXPLOSIF.</b> Un feu ou une explosion pourrait provoquer la BLESSURE SÉVÈRE ou la MORT.</p> <ul style="list-style-type: none"> <li>• Garder étincelles, flammes et chaleur loin du réservoir à essence et des tuyaux à carburant.</li> <li>• Ne pas ajouter d'essence pendant que le moteur est chaud.</li> <li>• Ne pas modifier le système d'alimentation.</li> <li>• Toute révision doit être faite chez le fournisseur ou par du personnel qualifié.</li> </ul> | <p><b>L'OPÉRATION À UNE PLUS HAUTE VITESSE POURRAIT PROVOQUER LA Perte de contrôle ou POURRAIT S'ENVENIMER DANS LA BLESSURE SÉVÈRE, OU LA MORT.</b></p> <ul style="list-style-type: none"> <li>• Ne pas toucher au régulateur afin d'augmenter la vitesse.</li> </ul> <p>JWH-K8297-01</p> |

## 2



## Y-2139



\*\*\*-21186-\*\*\*

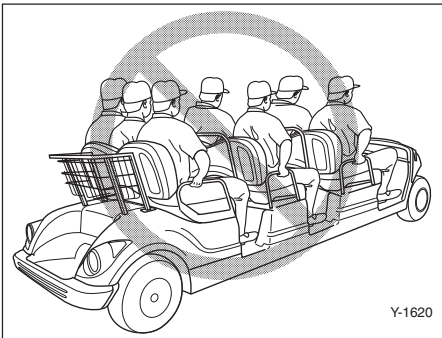
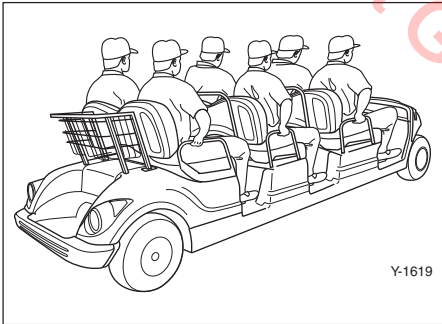


## OPERATOR SAFETY

Yamaha vehicles 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 VEHICLE

- Read this Owner's/Operator's manual and all safety and instruction labels on the vehicle before operating.
- Perform the pre-operation checks found in Section 6 of this manual.
- Only authorized people should drive the vehicle, from the driver's side only, and only in designated areas.
- Do not allow more than two occupants per seat. This vehicle is restricted to a maximum of six occupants: a driver and passenger in the front seat and two passengers in each row.
- Do not operate the vehicle while under the influence of alcohol or drugs; their effect on vision and judgment make operating a vehicle dangerous.
- Do not operate the vehicle on public streets, roads or highways unless allowed by law or local regulating authority.
- Do not allow more than six people to ride in the six-passenger vehicle. This vehicle is restricted to a maximum of six occupants: a driver and passenger in the front seat and two passengers in each row.

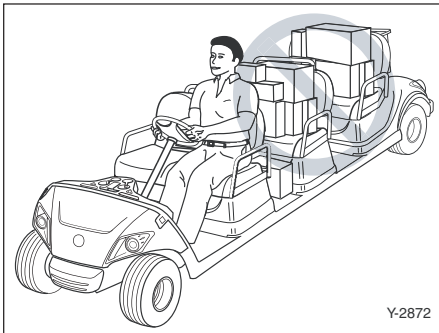
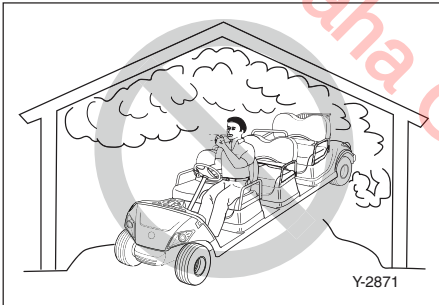
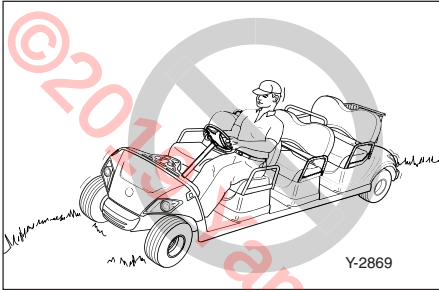




## OPERATOR SAFETY

3

### WHILE OPERATING THE SIX-PASSENGER VEHICLE



- Keep your entire body inside the vehicle, remain seated and hold on when the vehicle is in motion.
- Do not start the vehicle 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 vehicle to match the terrain of the course.
- Avoid turning the steering wheel too sharply at higher speeds.
- Always drive slowly straight up or straight down slopes – never at an angle.
- All occupants should remain inside the vehicle, remain seated, and hold on when the vehicle is in motion.
- Do not run the engine indoors. Exhaust gas is poisonous and could result in carbon monoxide poisoning.
- Do not start the vehicle until all occupants are seated and holding on, with their entire bodies inside the vehicle.
- Do not use the second row or rear seat for cargo or luggage storage. The second row and rear seat are to be used for one- or two-person occupancy only.
- 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 CONSIDERATIONS

Like all machines, six-passenger vehicles can cause injury if improperly used or maintained. This section contains broad safety practices required for safe vehicle operation.

Experience has shown that six-passenger vehicles are safe when operated in accordance with the safety warnings affixed to every vehicle. This safe operation is enhanced when vehicles are used according to the safety rules and practices established to meet the terrain and conditions of the course on which they are used.

If you are responsible for the operation and maintenance of this vehicle, we encourage you to implement this vehicle safety program.

### DRIVER QUALIFICATIONS

Only authorized people should operate the vehicle. It is recommended that only people who possess a valid motor vehicle driver's license be allowed to operate the vehicle.

Place operation and safety instructions recommended by the vehicle manufacturer in a conspicuous place near the vehicle rental area or pick-up area. It is also recommended that the following warning be posted in a conspicuous location:

#### WARNING

**Do not operate the vehicle 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 vehicle.**

### HAZARD PREVENTION

Drivers should be mindful of road hazards and avoid dangerous situations that may include the following:

- **Steep Grades** – Where steep grades exist, restrict the vehicle to designated roadway or path, and descend slowly with foot on the brake.

#### 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 vehicle.**

- **Sharp Turns, Blind Corners and Bridge Approaches** – Adhere to all warning signs and take proper precautions to avoid the hazard.
- **Wet Areas** – Wet grass may cause a vehicle to lose traction and may affect stability. Vehicle operators should reduce speed in wet areas or during periods of inclement weather.



## SAFETY CONSIDERATIONS

- **Loose Terrain** – Avoid areas of loose terrain that may cause a vehicle to lose traction and affect stability. Take notice of conditions and reduce speed when driving on uneven or loose terrain.

- **Six-Passenger Vehicle and Pedestrian Interference** –

Avoid areas with pedestrian traffic or congested areas whenever possible to prevent accidents. If it is impractical to avoid these areas, always remember that pedestrians have the right of way. When approaching pedestrian or congested areas, always reduce speed, drive slowly, use caution and watch for pedestrians.

## MAINTENANCE REQUIRED FOR SIX-PASSENGER VEHICLE SAFETY

Practice the following to help ensure the safety of vehicle operators and passengers:

- **Preventative Maintenance.** Perform all scheduled maintenance in accordance with manufacturer's recommendations to provide the user with a safe, properly operating vehicle.
- **Personnel.** Allow only qualified, trained, and authorized personnel to inspect, adjust and maintain the vehicle.
- **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 vehicle storage areas. Ventilation is also required to remove hydrogen gas from the vehicle storage areas during the battery charging process.



## SAFETY CONSIDERATIONS

### 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 the six-passenger vehicle before beginning any maintenance to avoid any unexpected vehicle movement.
- Properly block the chassis before working underneath vehicle 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.
- Before performing any maintenance, disable the vehicle's electrical system in accordance with the manufacturer's instructions.
- 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 vehicle must be driven by a qualified, trained and authorized person — in an area free of pedestrian traffic — to ensure proper operation and adjustment.

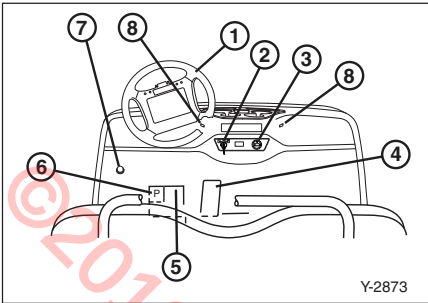
- Record all maintenance performed in a maintenance record log by date, name of person performing maintenance and type of maintenance. Periodically inspect maintenance log to ensure accurate and complete entries.
- Provide operator comment cards to assist in identifying non-periodic maintenance needs for specific six-passenger vehicles.
- 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 Golf-Car Company dealer.

### FUEL HANDLING/STORAGE

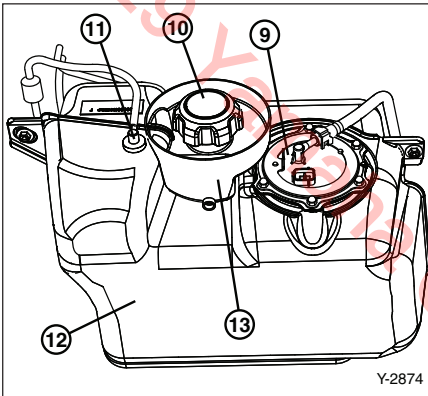
Take the following precautions to ensure maintenance worker safety:

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

# CONTROLS



Y-2873

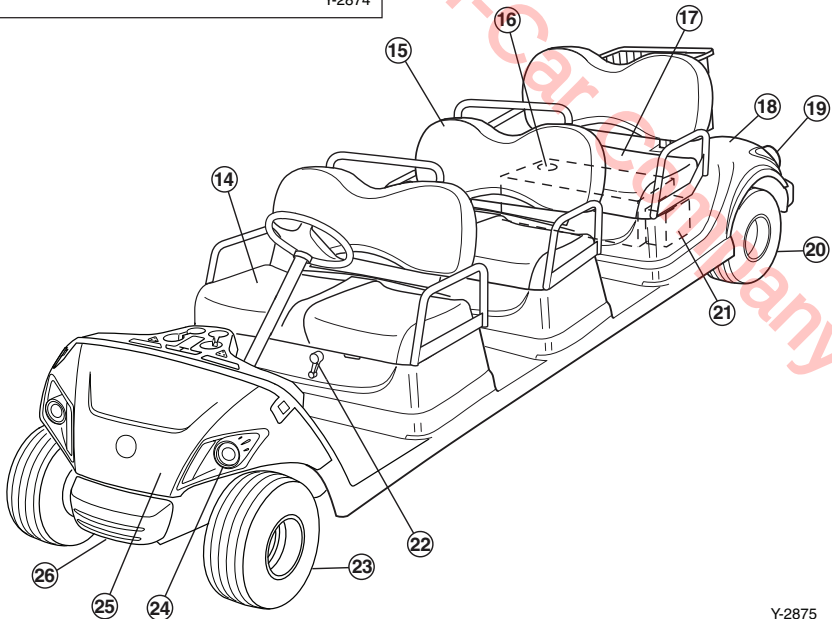


Y-2874

## FEATURES

- |                                                 |                       |
|-------------------------------------------------|-----------------------|
| ① Steering wheel                                | ⑫ Fuel tank           |
| ② Main switch                                   | ⑬ Cover filler funnel |
| ③ Engine/oil warning light/fuel gauge/hourmeter | ⑭ Front seat          |
| ④ Accelerator pedal                             | ⑮ Mid seat            |
| ⑤ Brake pedal                                   | ⑯ Fuel tank           |
| ⑥ Parking brake pedal                           | ⑰ Rear seat           |
| ⑦ Horn switch                                   | ⑱ Rear body           |
| ⑧ USB ports                                     | ⑲ Taillights          |
| ⑨ E.F.I. fuel pump                              | ⑳ Rear tire           |
| ⑩ Fuel cap                                      | ㉑ Battery             |
| ⑪ Fuel tank vent                                | ㉒ Drive select lever  |
|                                                 | ㉓ Front tire          |
|                                                 | ㉔ Headlights          |
|                                                 | ㉕ Front body          |
|                                                 | ㉖ Front bumper        |

5



Y-2875

5-1

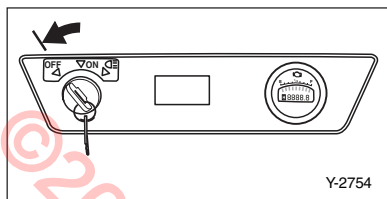
# CONTROLS

## MAIN SWITCH

The main switch controls the following items:

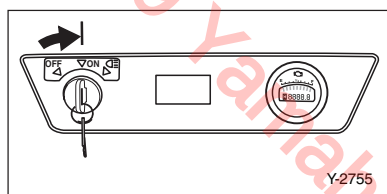
### OFF

All electrical circuits are switched off. The key can be removed only in this position.



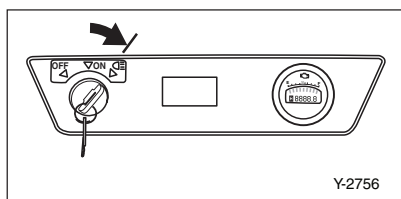
### ON

Electrical circuits are switched on. The six-passenger vehicle can be driven.



### “ON” WITH LIGHTS

The functions for this position are the same as for the ON position; however, this position will activate the headlights and taillights.



## ENGINE/OIL WARNING LIGHT

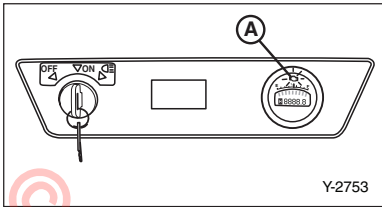
When the engine oil level falls below an acceptable level, this light comes on.

### NOTICE

**If the light comes on, stop the engine, check the engine oil level and add oil as necessary.**

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.

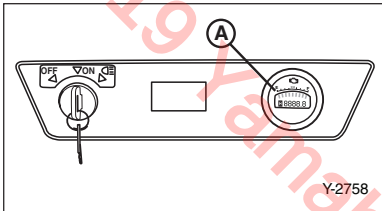
# CONTROLS



## NOTICE

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

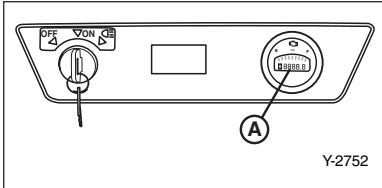
(A) Engine/oil warning light



## FUEL GAUGE

The fuel gauge displays the fuel level in the fuel tank. The fuel gauge will only work when the key is in the ON position.

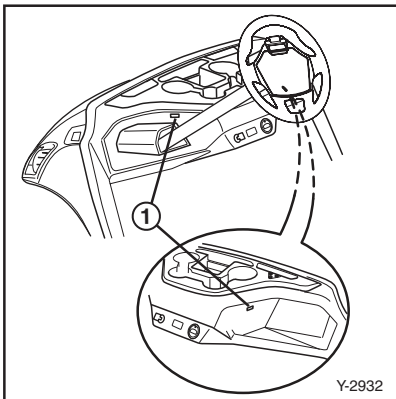
(A) Fuel gauge



## HOURLY METER

The hour meter displays the total number of hours the vehicle has been run. Use the hour meter to determine when scheduled maintenance is due.

(A) Hour meter

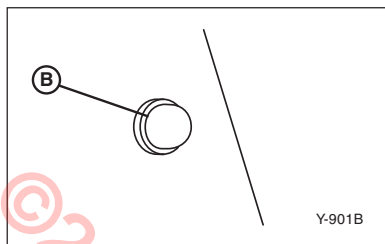


## USB PORTS

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 USB port

# CONTROLS



## HORN SWITCH

The horn is located adjacent to the brake pedal, and is activated by depressing with your foot.

Ⓑ Horn switch

## TIP

It is advisable to sound the horn when approaching blind corners.

## DRIVE SELECT LEVER

The drive select lever is used to shift the six-passenger vehicle into forward or reverse. After coming to a complete stop, move the lever to the desired position.

| Lever Position | Vehicle Movement |
|----------------|------------------|
| F              | FORWARD          |
| R              | REVERSE          |

## TIP

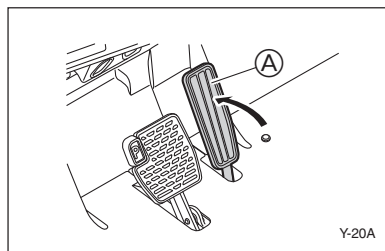
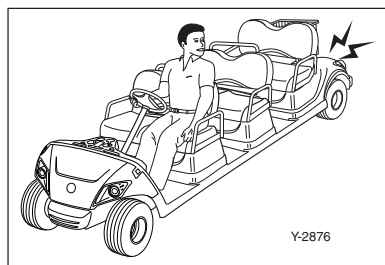
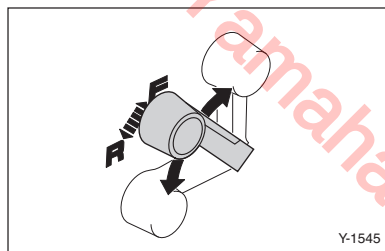
The reverse alarm will sound when the drive select lever is turned to "R."

## ACCELERATOR PEDAL

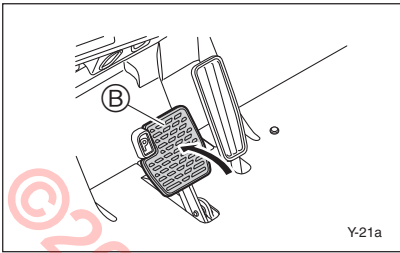
The accelerator pedal controls the vehicle's speed.

| Action        | Vehicle Speed |
|---------------|---------------|
| Depress pedal | Increase      |
| Release pedal | Decrease      |

Ⓐ Accelerator pedal



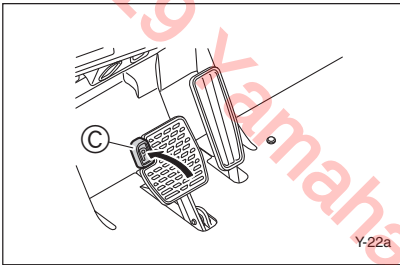
# CONTROLS



## BRAKE PEDAL

Press down on the brake pedal to stop the six-passenger vehicle.

Ⓑ Brake pedal



## PARKING BRAKE PEDAL

Press down on the parking brake pedal whenever parking the six-passenger vehicle.

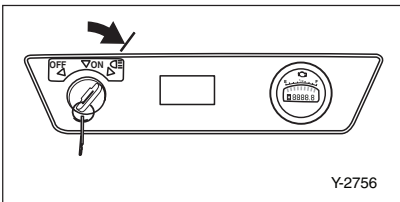
Ⓒ Parking brake pedal

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



## HEADLIGHT/TAILLIGHT ON POSITION

Turn the main switch all the way to the right to the second ON position. This will activate the headlights and taillights.

# PRE-OPERATION CHECKS

Pre-operation checks should be made each time you use your six-passenger vehicle. 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.

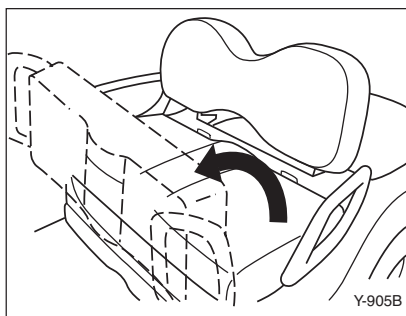
Death or serious personal injury can result from failing to comply with the safety instructions in this manual.

## PRE-OPERATION CHECKS

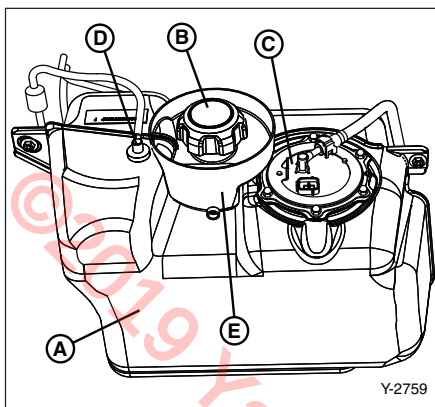
Refer to the Periodic Maintenance charts on pages 8-1 and 8-2.

## SEAT

Open the rear seat for checking and servicing.



# PRE-OPERATION CHECKS



## FUEL SYSTEM

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

- Ⓐ Fuel tank
- Ⓑ Fuel cap
- Ⓒ E.F.I. fuel pump
- Ⓓ Fuel tank vent
- Ⓔ Cover filler funnel

### ⚠ 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.

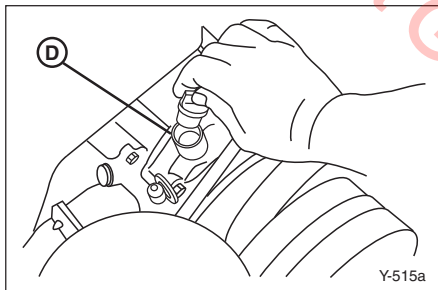
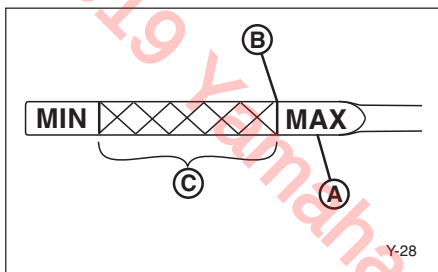
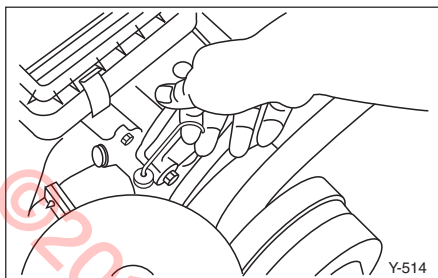
If any gasoline gets on your skin, immediately wash with soap and water. Change clothing if gasoline spills on it.

Recommended fuel:  
Unleaded gasoline

Fuel tank capacity:  
22.0 L (5.8 US gal)

Gasoline-based fuels containing more than 10% ethanol are not recommended.

# PRE-OPERATION CHECKS



Recommended oil:  
YAMALUBE SAE 10W-30  
4-cycle oil

Engine oil capacity:  
1.0 L, 1000 cc  
(1.0 US qt)

Oil change quantity:  
1.0 L, 1000 cc  
(1.0 US qt)

## NOTICE

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

## ENGINE OIL

With the six-passenger vehicle parked on level ground, remove the dipstick and make sure the engine oil is between the MIN and MAX marks (the crosshatched area on the end of the dipstick).

- Ⓐ Oil level dipstick
- Ⓑ Maximum oil level
- Ⓒ 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.

- Ⓓ Oil filler hole

## 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.

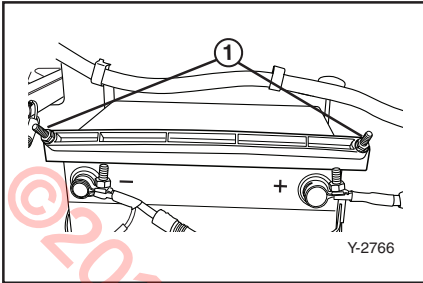
## TIP

The distance between the dipstick marks represents approximately 1/2 L (1/2 US qt) of oil.

## TIP

Recommended engine oil classification: API Service SE, SF, or SG. Engine oils labeled "Energy Conserving II" are recommended.

# PRE-OPERATION CHECKS



## BATTERY

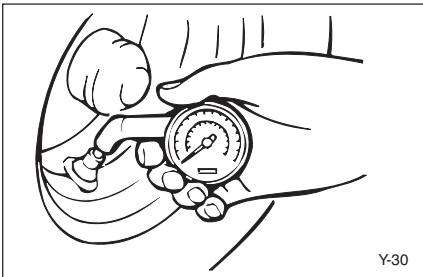
Check that the battery is held securely in place to prevent the battery from being damaged from vibration or jarring. Tighten the battery hold-down nuts if loose. Also check that the battery cap is not missing to prevent battery acid from spilling from the battery. Check the battery terminals for corrosion.

- ① Battery hold-down nuts

### ⚠ 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.**

6



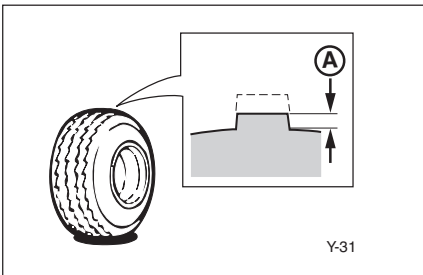
## TIRE CONDITION

### Tire Air Pressure

Check the tire air pressure before operating the six-passenger vehicle.

Tire pressure:

150 kPa, 1.5 kgf/cm<sup>2</sup> (22 psi)



### 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.

- Ⓐ Wear limit

# PRE-OPERATION CHECKS

## 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

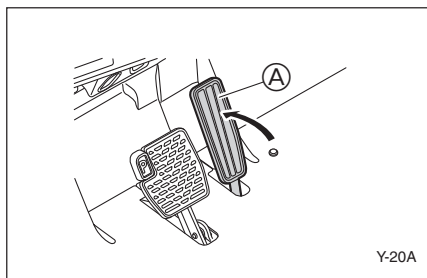
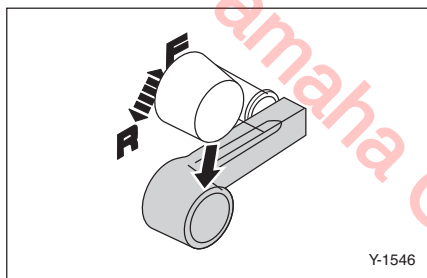
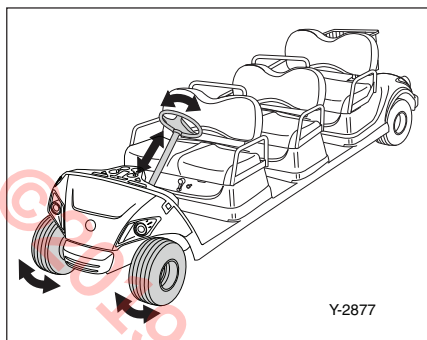
Check the following pedal controls for proper operation. If a pedal does not work properly, consult a Yamaha dealer.

### Accelerator Pedal

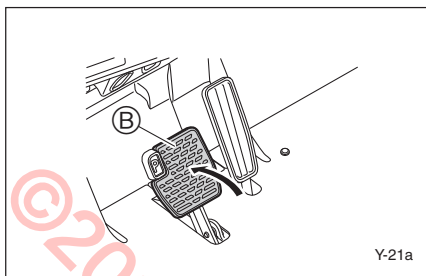
#### **⚠ WARNING**

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

- Ⓐ Accelerator pedal



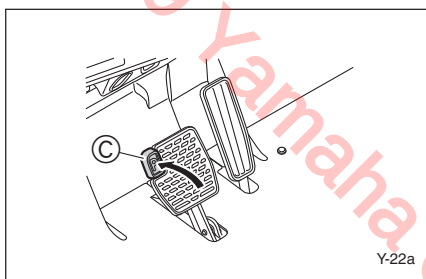
# PRE-OPERATION CHECKS



## Brake Pedal

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

Ⓑ Brake pedal



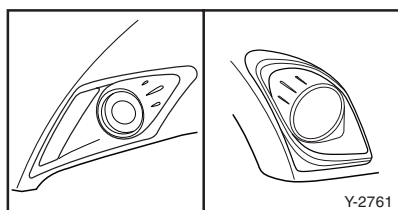
## Parking Brake Pedal

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

Ⓒ Parking brake pedal

## TIP

Release the parking brake by depressing the accelerator pedal.



## Headlights/Taillights

Ensure the headlights and taillights are operational.

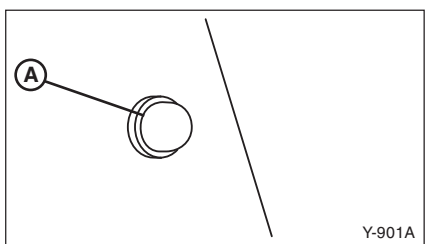
## ⚠ WARNING

**Never operate the vehicle at night or during inclement weather without properly working headlights/taillights. Death or serious personal injury can result from failing to comply with the safety instructions in this manual.**

## Horn Switch

Make sure the horn operates correctly.

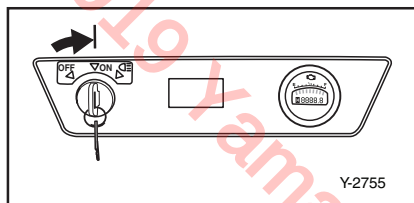
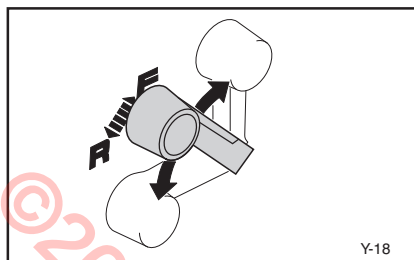
Ⓐ Horn switch



## BODY AND CHASSIS

Before each use, visually inspect the vehicle body and chassis for damaged and/or missing parts.

# OPERATION



## 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 vehicle is moving. Transmission damage can result.**

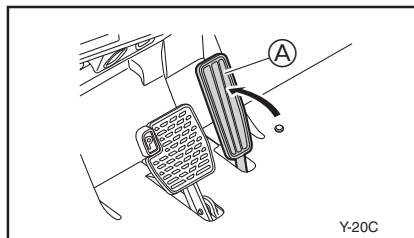
2. Turn the main switch to “ON.”

### ⚠ WARNING

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

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

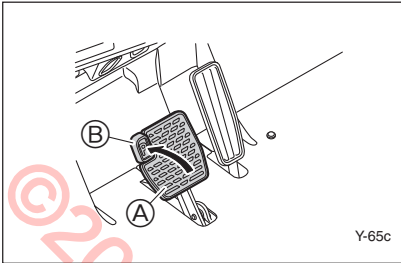
Ⓐ Accelerator pedal



## TIP

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

# OPERATION



## STOPPING

To stop the vehicle, gradually press down on the brake pedal.

- Ⓐ Brake pedal

When the vehicle has come to a stop, apply the parking brake pedal and turn the main switch to "OFF."

- Ⓑ Parking brake pedal

### NOTICE

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

# MAINTENANCE

## PERIODIC MAINTENANCE CHARTS

Regular maintenance is required for the best performance and safe operation of your six-passenger vehicle.

### ⚠ 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 Golf-Car Company 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<br>Pre-<br>Operation | 40 Rounds<br>20 hours<br>100 miles<br>160 kms<br>(Every<br>month) | 250 rds<br>125 hrs<br>600 mls<br>1000 kms<br>(Every 6<br>months) | 500 rds<br>250 hrs<br>1200 mls<br>2000 kms<br>(Every<br>year) | 1000 rds<br>500 hrs<br>2500 mls<br>4000 kms<br>(Every<br>2 years) | 2000 rds<br>1000 hrs<br>5000 mls<br>8000 kms<br>(Every<br>4 years) | Page         |
|----------------|-----------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|--------------|
| PRE-OP         | Check engine oil                                                      | CS                         | CS                                                                | CS                                                               |                                                               |                                                                   |                                                                    | 6-3          |
|                | Check fuel lines for leakage                                          | CS                         | CS                                                                | CS                                                               | CS                                                            | CS                                                                | CS                                                                 | 6-2          |
|                | Check fuel level                                                      | CS                         | CS                                                                | CS                                                               | CS                                                            | CS                                                                | CS                                                                 | 6-2          |
|                | Check for looseness and corrosion of battery terminals and hold downs | CS                         | CS                                                                | CS                                                               | CS                                                            | CS                                                                | CS                                                                 | 6-4          |
|                | Check brake pedal free play and adjust if necessary                   | CS                         | CA                                                                | CA                                                               | CA                                                            | CA                                                                | CA                                                                 | 8-15         |
|                | Check steering operation                                              | CS                         | CS                                                                | CS                                                               | CS                                                            | CS                                                                |                                                                    | 6-5          |
|                | Check tire pressure, tread depth, tire surface for damage             | CS                         | CA                                                                | CA                                                               | CA                                                            | CA                                                                | CA                                                                 | 6-4          |
|                | Check body and chassis for damage                                     | CS                         | CS                                                                | CS                                                               | CS                                                            | CS                                                                | CS                                                                 | 6-6          |
|                | 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                                                                 | 6-5          |
| EVERY MONTH    | Check for debris in intake air duct, tubing and connection            |                            | CS                                                                |                                                                  |                                                               |                                                                   |                                                                    | 8-9/<br>8-10 |
|                | Check wear of drive belt                                              |                            | CS                                                                | CS                                                               | CS                                                            | CS                                                                | CS                                                                 | 8-8/<br>8-9  |
|                | Check operation of Forward / Reverse shifting                         |                            | CS                                                                | CS                                                               | CS                                                            | CS                                                                | CS                                                                 | 7-1          |
|                | Clean / Lube pedal control area                                       |                            | CL                                                                |                                                                  |                                                               |                                                                   |                                                                    | *            |
| EVERY 6 MONTHS | Wash pre-filter, check air cleaner element                            |                            |                                                                   | S                                                                | S                                                             | S                                                                 | S                                                                  | 8-7/<br>8-8  |
|                | Check spark plug and plug cap condition** / Check compression         |                            |                                                                   | CS                                                               | CS                                                            | CS                                                                | CS                                                                 | 8-4          |
|                | Check brake cables for abrasion and damage, and check operation       |                            |                                                                   | CS                                                               |                                                               |                                                                   |                                                                    | 8-14         |
|                | Check shock absorbers for oil leaks and damaged springs               |                            |                                                                   | 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.

# MAINTENANCE

## PERIODIC MAINTENANCE CHART (CONTINUED)

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

|                  | Remarks                                                                                                                                                                                                                                     | Daily<br>Pre-<br>Operation | 40 Rounds<br>20 hours<br>100 miles<br>160 kms<br>(Every<br>month) | 250 rds<br>125 hrs<br>600 mls<br>1000 kms<br>(Every<br>6 months) | 500 rds<br>250 hrs<br>1200 mls<br>2000 kms<br>(Every<br>year) | 1000 rds<br>500 hrs<br>2500 mls<br>4000 kms<br>(Every<br>2 years) | 2000 rds<br>1000 hrs<br>5000 mls<br>8000 kms<br>(Every<br>4 years) | Page        |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|-------------|
| EVERY<br>YEAR    | Replace engine oil                                                                                                                                                                                                                          |                            |                                                                   |                                                                  | R                                                             | R                                                                 | R                                                                  | 8-5         |
|                  | Grease primary and secondary clutch                                                                                                                                                                                                         |                            |                                                                   |                                                                  | L                                                             |                                                                   |                                                                    | *           |
|                  | Adjust throttle cables,**<br>check electronic fuel injection<br>throttle shaft for wear**                                                                                                                                                   |                            |                                                                   |                                                                  | CA                                                            | CA                                                                | CA                                                                 | *           |
|                  | Check starter V-belt for<br>damage and tension                                                                                                                                                                                              |                            |                                                                   |                                                                  | CS                                                            | CS                                                                | CS                                                                 | *           |
|                  | Check drive belt for slippage,<br>wear or scratches                                                                                                                                                                                         |                            |                                                                   |                                                                  | CS                                                            | CS                                                                | CS                                                                 | 8-8/<br>8-9 |
|                  | Check operation of speed limiter                                                                                                                                                                                                            |                            |                                                                   |                                                                  | CS                                                            | CS                                                                | CS                                                                 | *           |
|                  | Apply battery terminal protectant                                                                                                                                                                                                           |                            |                                                                   |                                                                  | S                                                             | S                                                                 | S                                                                  | *           |
|                  | Check wiring connections<br>and insulation                                                                                                                                                                                                  |                            |                                                                   |                                                                  | CS                                                            | CS                                                                | CS                                                                 | *           |
|                  | Check rear axle bearing play<br>for roughness or freeplay                                                                                                                                                                                   |                            |                                                                   |                                                                  | CS                                                            | CS                                                                | CS                                                                 | *           |
|                  | Perform primary and secondary<br>clutch maintenance:<br>(primary)<br>- Inspect sheaves for wear and<br>damage<br>- Inspect weights/washer and<br>sliders for wear<br>(secondary)<br>- Inspect ramp shoes for wear<br>- Replace if necessary |                            |                                                                   |                                                                  | CL                                                            | CL                                                                | CL                                                                 | *           |
|                  | Check steering knuckle<br>bushing free play / Adjust<br>wheel alignment                                                                                                                                                                     |                            |                                                                   |                                                                  | CA                                                            | CA                                                                | CA                                                                 | *           |
|                  | Check wheel nut tightness,<br>front wheel bearing play                                                                                                                                                                                      |                            |                                                                   |                                                                  | CS                                                            | CS                                                                | CS                                                                 | *           |
|                  | Adjust parking brake release                                                                                                                                                                                                                |                            |                                                                   |                                                                  | CA                                                            | CA                                                                | CA                                                                 | 8-16        |
|                  | Check tail screen for clogging                                                                                                                                                                                                              |                            |                                                                   |                                                                  | CS                                                            |                                                                   |                                                                    | *           |
| EVERY<br>2 YEARS | Replace brake cables                                                                                                                                                                                                                        |                            |                                                                   |                                                                  |                                                               | R                                                                 |                                                                    | *           |
|                  | Check starter brushes for<br>wear and commutator for dirt                                                                                                                                                                                   |                            |                                                                   |                                                                  |                                                               | CS                                                                | S                                                                  | *           |
| EVERY<br>4 YEARS | Replace transmission oil                                                                                                                                                                                                                    |                            |                                                                   |                                                                  |                                                               |                                                                   | R                                                                  | *           |
|                  | Replace fuel hoses                                                                                                                                                                                                                          |                            |                                                                   |                                                                  |                                                               |                                                                   | R                                                                  | *           |
|                  | Check tightness of cylinder<br>head / Adjust valves                                                                                                                                                                                         |                            |                                                                   |                                                                  |                                                               |                                                                   | CA                                                                 | *           |
|                  | Inspect brake shoes and<br>adjust or replace if necessary                                                                                                                                                                                   |                            |                                                                   |                                                                  |                                                               |                                                                   | 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.

# MAINTENANCE

## 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."

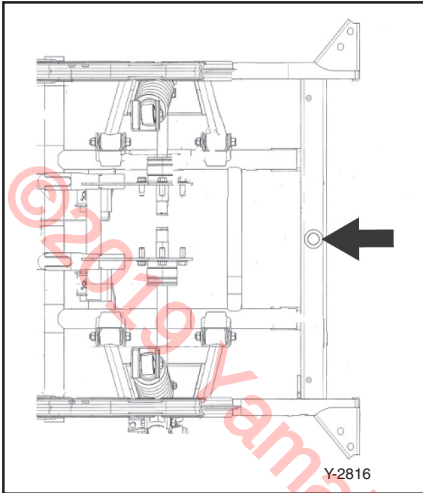
It is recommended that these items be serviced by a Yamaha dealer or other qualified mechanic.

## 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               |

# MAINTENANCE



## Rear Lifting Point

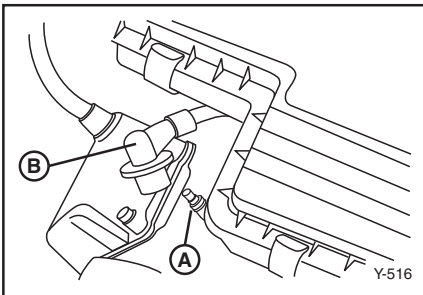
If the rear of the car needs to be lifted for a maintenance procedure, make sure it is lifted at the correct rear lifting point (see arrow).

## 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.



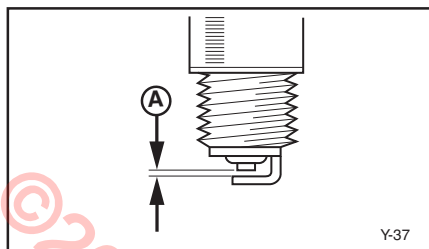
- Ⓐ Spark plug
- Ⓑ Spark plug cap

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.)

# MAINTENANCE



Ⓐ Gap

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

Spark plug torque:  
20 Nm, 2.0 m·kg  
(14.5 ft·lb)

## Engine Oil Replacement

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

### ⚠ WARNING

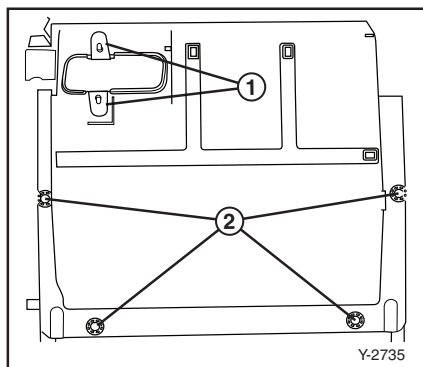
Use caution not to touch hot engine oil or hot engine parts, during the following procedure. Death or serious personal injury can result from failing to comply with the safety instructions in this manual.

### NOTICE

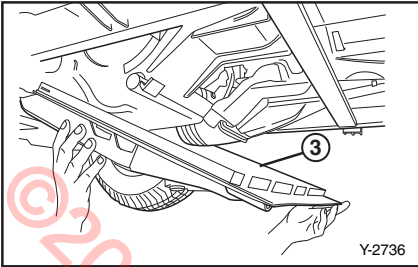
To remove the oil from the engine, an oil extraction tool can be used to extract the oil via the dipstick feed hole instead of draining out the drain plug.

2. Block rear tires and lift front end of car. Secure car with car stands.
3. Release two rubber tabs to exhaust duct and four bolts to lower panel.

- ① Rubber tabs
- ② Panel bolts



# MAINTENANCE



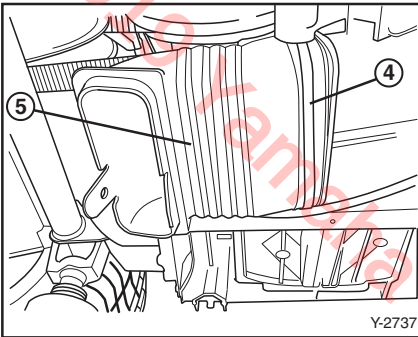
4. Tip the front of the lower panel down and remove the panel.

## ③ Lower panel

5. Remove tie strap, then remove rubber exhaust duct from plastic duct.

## ④ Tie strap

## ⑤ Exhaust duct



6. Place an oil pan under the engine drain plug.

7. Remove the oil drain plug and let the oil drain completely.

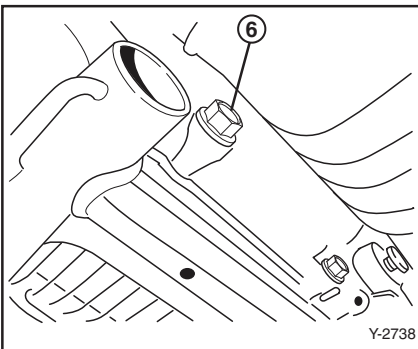
## ⑥ Drain plug

### 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, finger-tight before tightening to the following torque:

Drain plug torque:  
31 Nm, 3.1 m·kg  
(23 ft·lb)



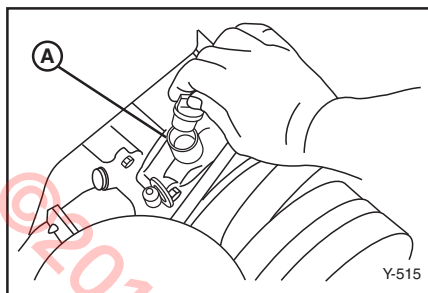
9. Add the correct quantity of oil through the oil filler hole.

Recommended oil:  
Yamalube SAE 10W30 4-cycle oil

Engine oil capacity:  
1.0 L, 1000 cc  
(1.0 US qt)

Oil change quantity:  
1.0 L, 1000 cc  
(1.0 US qt)

# MAINTENANCE



## TIP

Recommended engine oil classification: API Service SE, SF, or SG. Engine oils labeled "Energy Conserving II" are recommended.

- (A) Oil filler hole

## NOTICE

**Use care not to fill past the MAX dipstick mark, and be sure no foreign material enters the crankcase.**

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

10. Reinstall exhaust duct and secure by using a new tie strap.
11. Install panel and mount with four bolts.
12. Secure rubber tabs of exhaust duct to panel.

## Air Filter

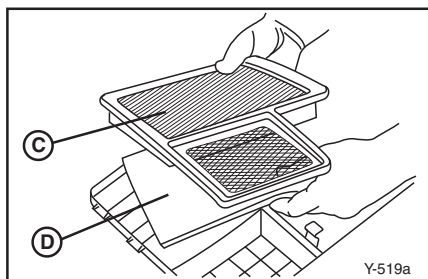
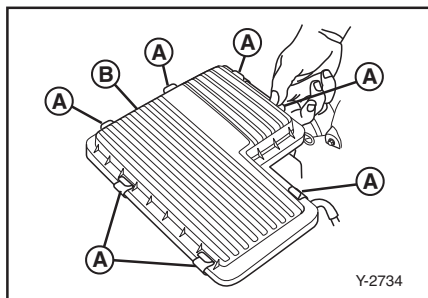
To remove the air filter elements:

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

- (A) Air filter cover clips  
(B) Air filter cover

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

- (C) Air filter  
(D) Pre-filter



# MAINTENANCE

## NOTICE

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

Inspection and cleaning:

3. Wash the foam pre-filter in soap and water. Allow it to dry.

- (A) Soap and water
- (B) Foam element

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

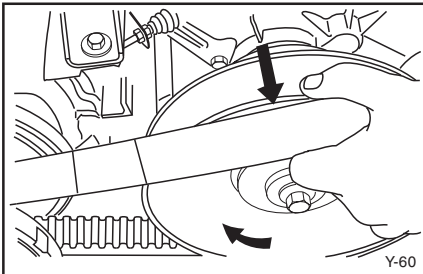
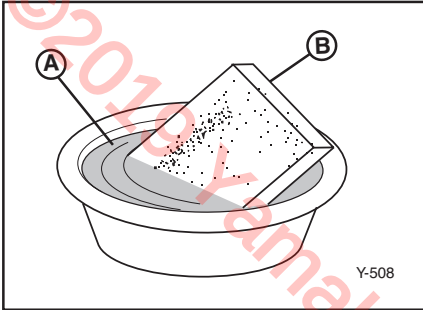
**The pre-filter has a notch on one side. It will only fit in the case one way. Serious engine damage can result from improperly positioned filter.**

8

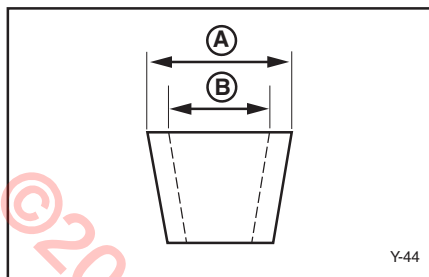
## Drive Belt

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.



# MAINTENANCE



## 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.

- Ⓐ New: 31.0 mm (1.20 in.)
- Ⓑ 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.

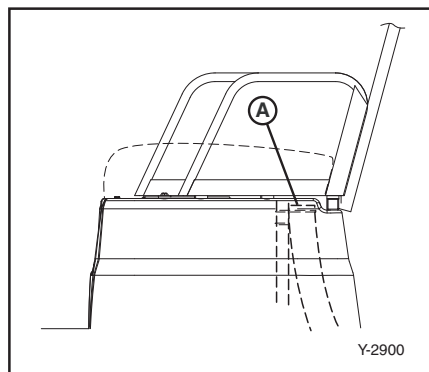
## Clutch

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

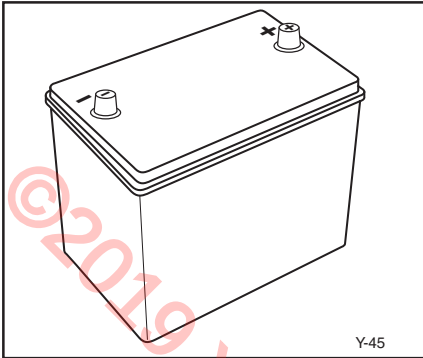
## Air Duct

Check for debris in intake tube:

1. Park the vehicle on a flat, level surface and apply the parking brake.
  2. Remove the seat.
  3. Clean out any dirt or debris from the intake tube next to the front passenger arm rail.
- Ⓐ Intake tube
4. After removing debris, install the seat.



# MAINTENANCE



## 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.**

# MAINTENANCE

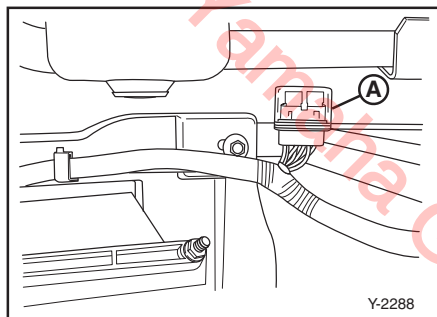
## Fuse Replacement

### ⚠ 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.

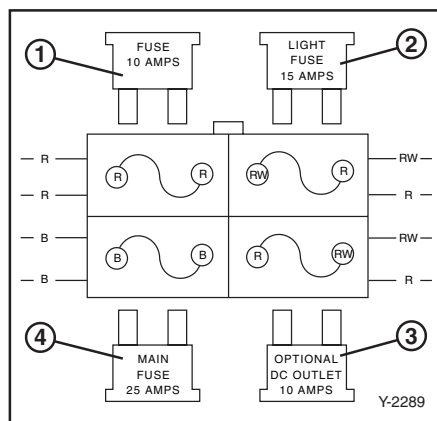
### NOTICE

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



1. Locate the in-line fuse box in the battery compartment.
2. Pull fuse holder cover off.
3. Pull fuse out, inspect and replace if necessary.

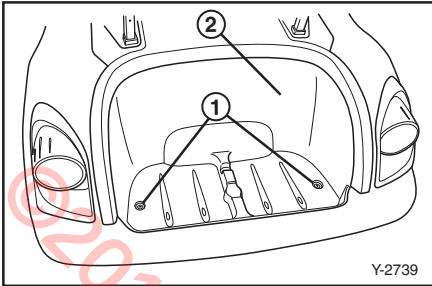
Ⓐ Fuse box



#### Fuse Type:

- ① DC Outlet Fuse (10A), Blade Style
- ② Light Fuse (15A), Blade Style
- ③ Fuse (10A), Blade Style
- ④ 25 Amp, Blade Style (MAIN)  
Fuse location off of negative battery terminal @ 15 cm (6 in.)

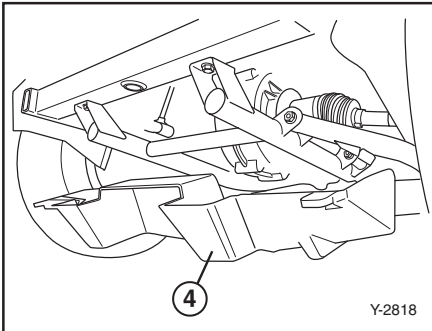
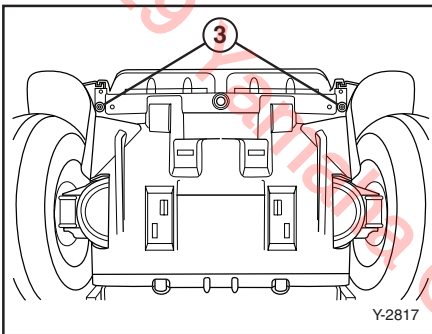
# MAINTENANCE



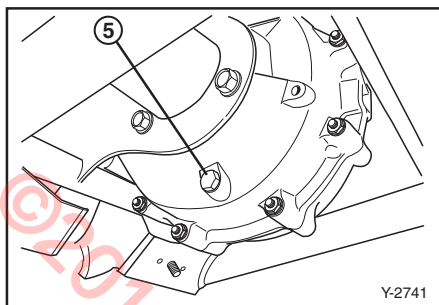
## Transmission Oil

To replace transmission oil:

1. Place the vehicle on a flat, level surface.
2. Remove two bolts ① and the bag holder insert ②.
3. Block rear tires and lift front end of vehicle. Secure vehicle with car stands.
4. Remove the two panel retaining bolts for the lower panel.
- ③ Panel bolts
5. Tip the front of the lower panel down and unhook the front of the panel to remove the panel.
- ④ Lower panel
6. Place an oil pan under the transmission.



# MAINTENANCE

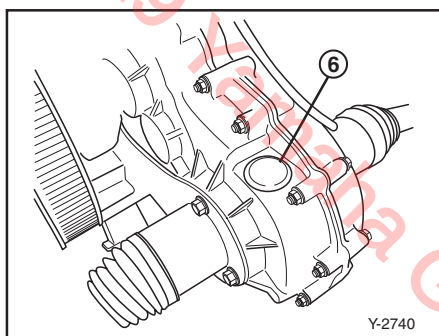


7. Remove the drain plug from the transmission and allow the oil to drain completely.

⑤ Oil drain plug

## TIP

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



8. Install the drain plug.

9. Remove the oil fill plug on top of the transmission.

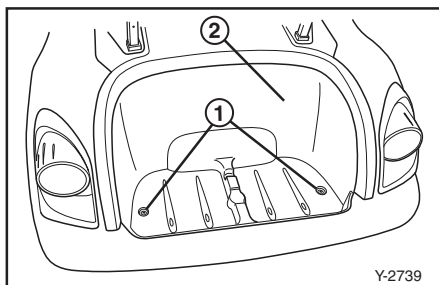
⑥ Oil fill plug

10. Fill the transmission with 16.06 oz (475 cc) and replace the oil fill plug.

11. Install the lower panel and exhaust duct tabs.

12. Install the bag holder insert ② and secure with two bolts ①.

8



Recommended oil:  
YAMALUBE SAE 80W-90 Gear Oil

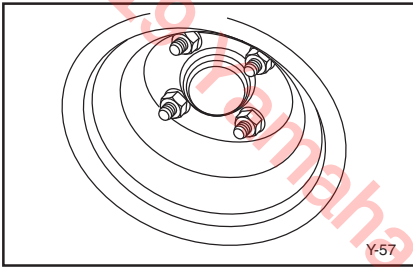
Transmission oil capacity:  
475 cc (16.06 oz)

Transmission oil change quantity:  
475 cc (16.06 oz)

# MAINTENANCE

## NOTICE

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.



## Wheel Replacement

To remove and install a wheel on your vehicle:

1. With the wheels blocked to prevent the vehicle from moving, loosen the wheel nuts.
2. Elevate the vehicle with a jack and remove the wheel nuts and the wheel.
3. Reverse the removal steps when installing the wheel.

Wheel nut tightening torque:  
88 Nm, 8.8 m·kg (65 ft·lb)

## Brake Adjustment

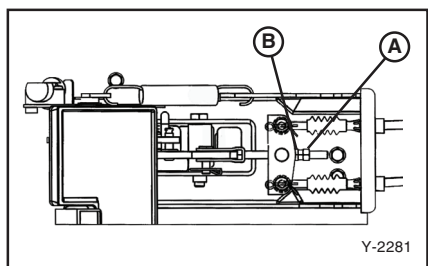
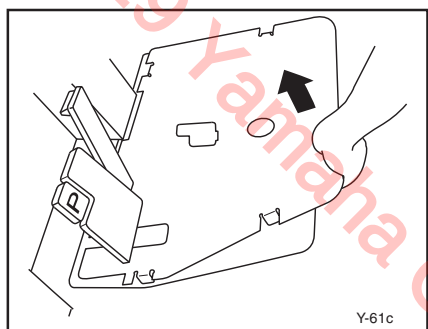
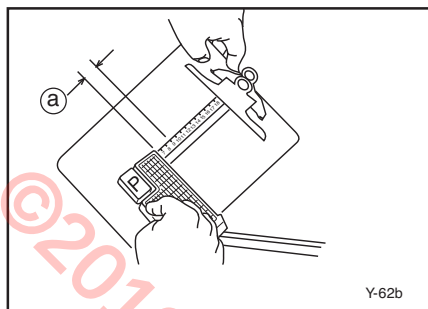
The brakes on your vehicle are self-adjusting.

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

## ⚠ WARNING

Consult your Yamaha dealer before using your vehicle 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.

# MAINTENANCE



## 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.

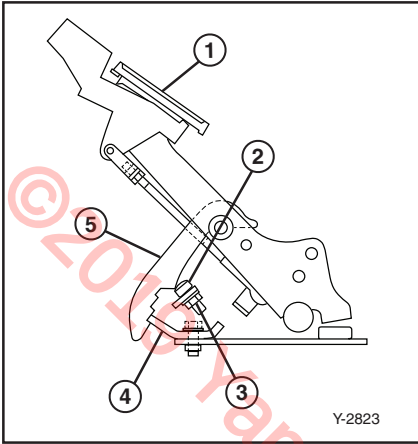
Brake pedal free play (a):  
50-55 mm (1.97-2.17 in.)

To adjust the brake pedal free play:

1. Remove the floor mat and service lid from the floor of the vehicle.
2. If the free play distance needs adjusting, loosen the lock nut (A) and turn the adjusting nut (B) 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 vehicle. 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

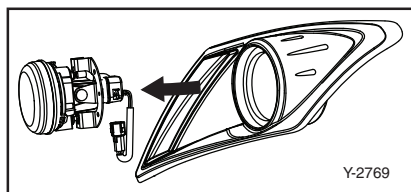
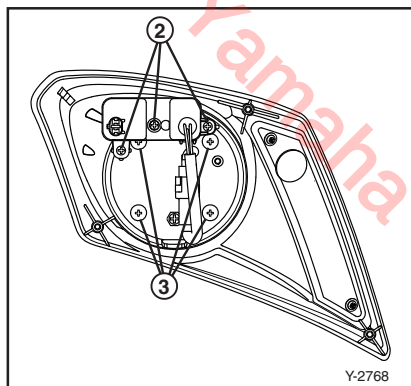
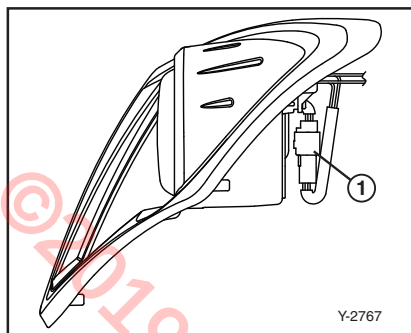
### NOTICE

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

1. 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  $\frac{3}{8}$  (120 degrees), then tighten locknut.

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

# MAINTENANCE



## Replacing a Headlight Bulb

If the headlight burns out, replace it as follows:

1. Disconnect the wire connector (1) from the headlight assembly.
2. Remove the three screws (2) and remove the light control unit.
3. Remove the four screws (3) to remove the headlight assembly from the holder.
4. Remove the headlight assembly from the holder.
5. Install new headlight assembly into holder and secure with the four screws.
6. Install the light control unit and fasten with three screws.
7. Connect the wire connector to the headlight assembly.

# MAINTENANCE

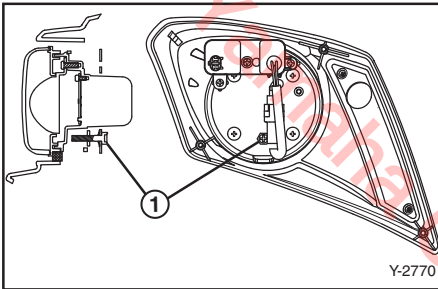
## Adjusting a Headlight

### NOTICE

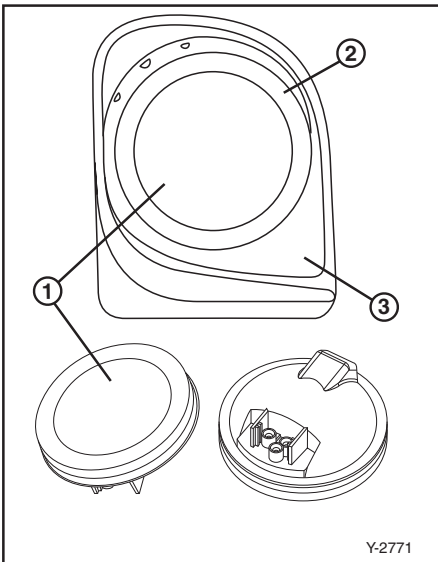
It is recommended to have the headlight adjustment performed by a Yamaha dealer.

### TIP

The screw can be accessed from under the fender.



1. Using a Phillips head screwdriver, turn the adjusting screw ①.
2. Turning the screw clockwise will lower the beam and turning the screw counter-clockwise will raise the beam.



## Replacing a Taillight Bulb

1. If a taillight bulb burns out, replace the bulb assembly ① by removing the rubber grommet ② from the bezel assembly ③.
2. Remove the wire connector, replace the bulb, and reinstall by fitting the rubber grommet ② over the bulb assembly ① and bezel ③.

# STORAGE

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 vehicle for extended periods of time:

## NOTICE

**Yamaha Golf-Car Company 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 150 kPa, 1.5 kgf/cm<sup>2</sup> (22 psi).
2. Clean exterior of the vehicle and apply a rust inhibitor.
3. Cover the vehicle with a breathable cover and store it in a dry, well-ventilated area.

## BATTERY PREPARATION

1. Remove the battery from your vehicle 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                                                                                                                                                                            | DR2A19 6PA                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions:</b><br>Overall length<br>Overall width<br>Overall height (steering height)<br>Height of floor<br>Wheelbase<br>Tread:<br>Front<br>Rear<br>Minimum ground clearance | 4086 mm (160.9 in.)<br>1201 mm (47.3 in.)<br>1238 mm (48.7 in.)<br>335 mm (13.2 in.)<br>3347 mm (131.8 in.)<br>883 mm (34.8 in.)<br>973 mm (38.3 in.)<br>140 mm (5.5 in.) |
| <b>Weight:</b><br>Dry weight (without battery)                                                                                                                                   | 523.6 kg (1,154.3 lb)                                                                                                                                                     |
| <b>Vibration Level:</b><br>Vibration on seat (EN 1032, ISO5008) for Europe<br>Vibration on steering wheel (EN1032, ISO5008) (for Europe)                                         | Will not exceed 0.5 m/s <sup>2</sup><br>Will not exceed 2.5 m/s <sup>2</sup>                                                                                              |
| <b>Performance:</b><br>Factory and maximum speed setting<br>Minimum turning radius<br>Seating capacity                                                                           | 30.5 km/h (19 mph)<br>5.7 m (18.7 ft)<br>Six persons                                                                                                                      |
| Fuel Tank Capacity                                                                                                                                                               | 22.0 L (5.8 U.S. gallons)                                                                                                                                                 |

# SPECIFICATIONS

## ENGINE

| Items               | DR2A19 6PA                      |
|---------------------|---------------------------------|
| Description:        |                                 |
| Engine type         | 4-stroke, Gasoline, OHV         |
| Number of cylinders | Single                          |
| Displacement        | 357 cm <sup>3</sup>             |
| Bore x stroke       | 85 x 63 mm (3.30 x 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     | Starter                         |
| Ignition system     | TCI Magneto                     |
| Spark plug type     | BPR2ES                          |
| Spark plug gap      | 0.7-0.8 mm (0.028-0.031 in.)    |
| Lubrication system  | Splash                          |
| Engine oil type     | YAMALUBE SAE 10W/30 4-cycle oil |
| Engine oil capacity | 1.0 L, 1000 cc (1.0 US qt)      |
| Oil change quantity | 1.0 L, 1000 cc (1.0 US qt)      |

## TRANSMISSION

| Items                              | DR2A19 6PA                              |
|------------------------------------|-----------------------------------------|
| Transmission:                      |                                         |
| Type                               | V-belt automatic centrifugal engagement |
| V-belt width and outer line length | 31.0 x 1010 mm (1.20 x 39.76 in.)       |
| V-belt wear limit                  | 27.0 mm (1.06 in.)                      |
| Governor:                          |                                         |
| Type                               | Oil bath flyweight                      |
| Factory speed setting              | 30.5 km/h (19 mph)                      |
| Differential/reduction gear:       | Secondary reduction system helical gear |
|                                    | Secondary reduction ratio:              |
|                                    | Forward 9.789 / Reverse 14.358          |
|                                    | Differential type bevel gear            |
|                                    | Lubricant/capacity:                     |
|                                    | Yamalube 475 cc (16.06 oz)              |
|                                    | SAE 80W-90 gear oil                     |

# SPECIFICATIONS

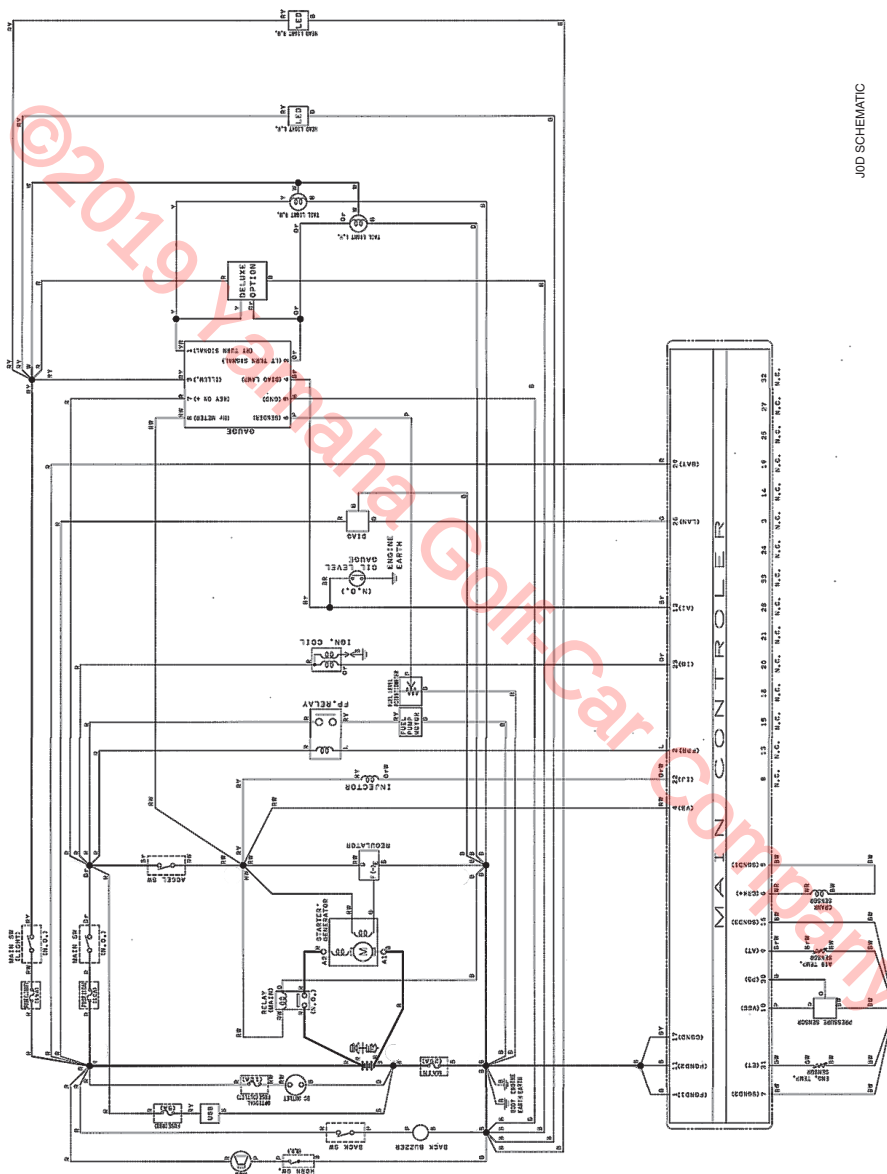
## BATTERIES

| Items    | DR2A19 6PA                                               |
|----------|----------------------------------------------------------|
| Battery: | BCI group 24,<br>RC: minimum 75 min<br>CCA: minimum 400A |

## CHASSIS

| Items                                                                                                                 | DR2A19 6PA                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Steering system:<br>Type<br>Steering angle (L.H.)<br>Steering angle (R.H.)                                            | Rack and Pinion<br>1.85 turn<br>1.85 turn                                                                                                                                                              |
| Brakes:<br>Brake system<br><br>Type of brake<br><br>Brake pedal freeplay linkage adjustment<br>(Brake cable end play) | Mechanical drum brake on each rear wheel with self-adjusters<br>Dual internal expanding shoe<br>Leading/trailing shoes (self-adjusting)<br><br>50-55 mm (1.97-2.17 in.)<br>0.004-0.02 in. (0.1-0.5 mm) |
| Parking brake:<br>Type                                                                                                | Foot type; parking brake with automatic release.                                                                                                                                                       |
| Wheel:<br>Tire size:<br>Front<br>Rear<br>Rim size:<br>Tire pressure:                                                  | 205/65-10 4PLY<br>205/65-10 4PLY<br>7.00-1-8.00<br>150 kPa, 1.5 kgf/cm <sup>2</sup> (22 psi)                                                                                                           |
| Lights:<br>Bulb voltage, wattage x quantity:<br>Headlight<br>Taillight                                                | LED 13.5 V / 14.5 W x 2<br>12 V / 2.1 amp and .48 amp x 2                                                                                                                                              |

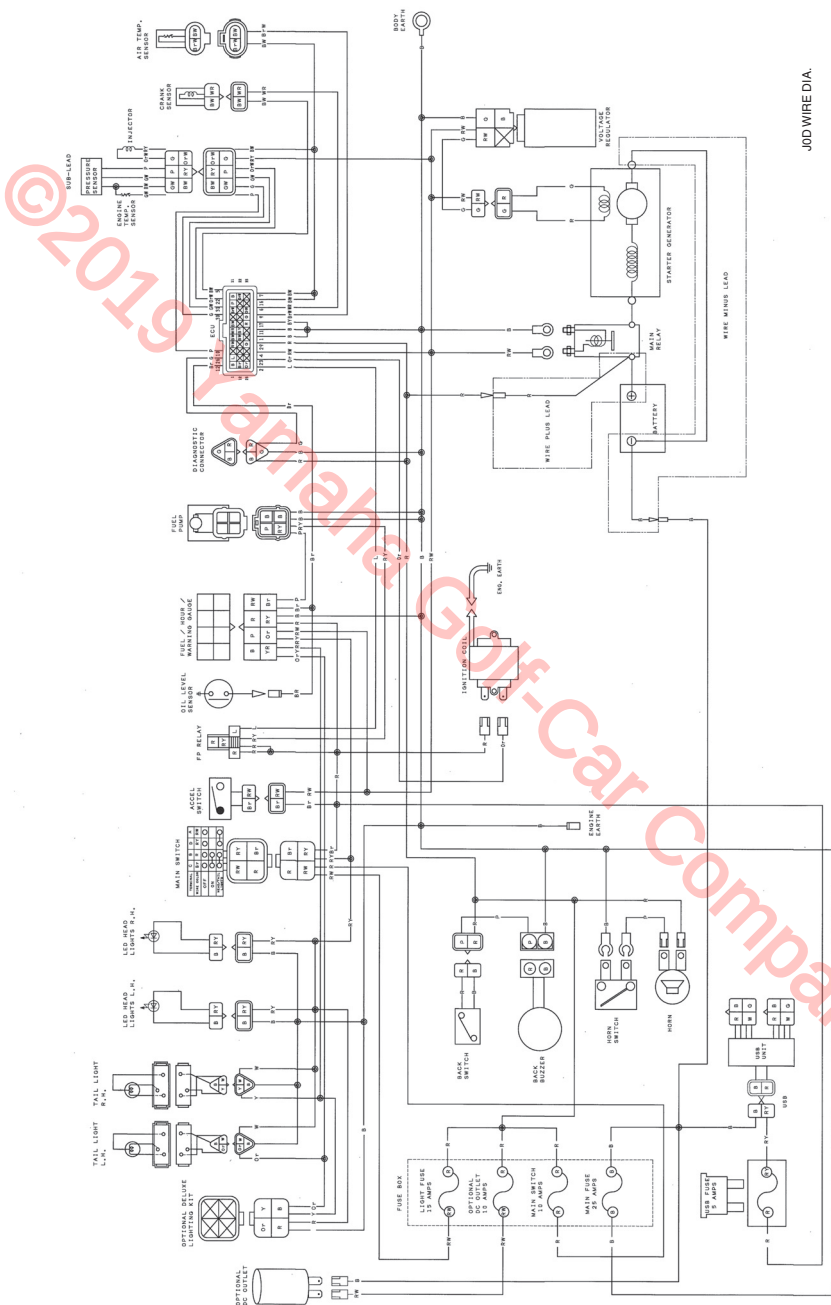
## WIRING



### JOD SCHEMATIC

# WIRING

# WIRING DIAGRAM



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PRINTED IN USA  
2018.12-0.3x2 CR  
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