



OWNER'S / OPERATOR'S
MANUAL

YTF1

UTILITY VEHICLE

WARNING

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

YAMAHA

LIT-CALIF-65-01

INTRODUCTION

Congratulations on your purchase of a Yamaha utility vehicle. This manual contains information you will need for proper operation, maintenance, and care of your utility 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 utility vehicle, please consult a Yamaha dealer.

YAMAHA GOLF-CAR COMPANY

YTF1 OWNER'S/OPERATOR'S MANUAL

**© 2009 by Yamaha Golf-Car Company
1st Edition**

**All rights reserved. Any reprinting
or unauthorized use without the
written permission of
Yamaha Golf-Car Company
is expressly prohibited.**

**Printed in U.S.A.
LIT-19626-61-09**

IMPORTANT MANUAL INFORMATION

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



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

⚠ WARNING

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

CAUTION

This message describes special precautions that must be taken to avoid damage to the utility vehicle.

NOTE:

This message provides additional key information.

NOTE:

- 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 utility vehicle and this manual. If you have any questions concerning this manual, please consult your Yamaha dealer.
- This manual should be considered a permanent part of your utility vehicle and should remain with the vehicle when resold.

⚠ WARNING

Read and understand this manual completely before operating your utility vehicle. Death or serious personal injury can result from failing to comply with the warning instructions in this manual.

CONTENTS

WARRANTY

1

IMPORTANT LABELS

2

OPERATOR SAFETY

3

SAFETY CONSIDERATIONS

4

CONTROLS

5

PRE-OPERATION CHECKS

6

OPERATION

7

MAINTENANCE

8

STORAGE

9

SPECIFICATIONS

10

WIRING

11

WARRANTY

1

LIMITED 2-YEAR UTILITY AND TRANSPORTATION VEHICLE LIMITED WARRANTY

Yamaha Golf-Car Company hereby warrants that any new Yamaha utility vehicle or any new Yamaha Golf-Car Company transportation or specialty vehicle purchased from an authorized Yamaha golf car dealer 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 dealer 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.

GENERAL 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, or which makes the car serve a purpose other than use as a utility or transportation vehicle.
- Damage due to improper transportation.
- Acts of God, i.e. lightning, hail damage, flooding, fire, etc.

WARRANTY COVERAGE:

Year 1: The first year of warranty shall cover the entire vehicle except for the Specific Exclusions below.

Year 2: The second year of the warranty covers only the electric motor, speed controller, battery charger, and transaxle on electric powered vehicles and the engine, clutch system (except drive belt), and transaxle on gasoline powered vehicles.

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

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

- Operate and maintain the vehicle and charger as specified in the appropriate Owner's/Operator's Manual;
- 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.

YAMAHA GOLF-CAR COMPANY MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED. ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEED THE OBLIGATIONS AND TIME LIMITS STATED IN THIS WARRANTY ARE HEREBY DISCLAIMED BY YAMAHA 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 ARE ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING LOSS OF USE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU.

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

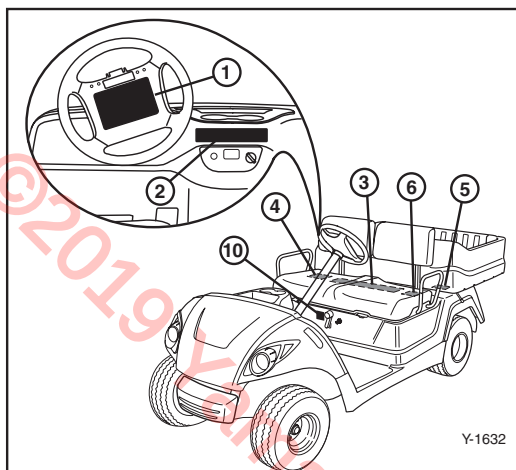
Yamaha Golf-Car Company,
NEWNAN, GEORGIA 30265-1320

EFFECTIVE DATE: 6/1/08

LIT-13710-U3-08

IMPORTANT LABELS

2

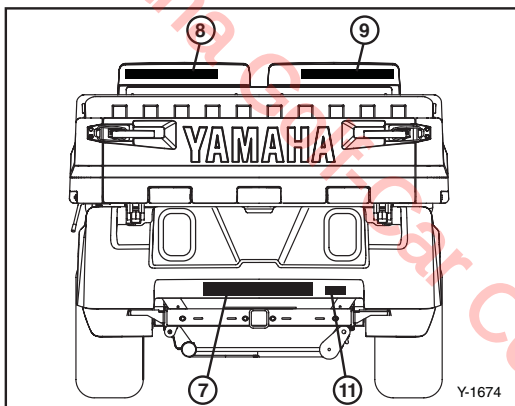


Y-1632

SAFETY AND INSTRUCTION LABELS

WARNING

Read the following labels carefully before operating your utility 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-1674

1

OPERATING INSTRUCTIONS

- Read the warning label on the beverage holder panel before operating.
- Be sure occupants are seated.
- Select "FORWARD" or "REVERSE" then turn main switch to "ON".
- Press the accelerator pedal to start moving. The motor will start and the parking brake will release automatically.
- To stop, release the accelerator pedal and press the brake pedal.
- Never travel at speeds too fast for the terrain, visibility conditions, or your experience.
- Drive with extra caution in congested areas, when operating in reverse, and when driving on wet, rough, or loose surfaces.
- Come to a complete stop before reversing direction.
- Press the parking brake pedal until it locks, and turn the main switch to "OFF" before leaving the vehicle.
- Read the Owner's/Operator's Manual for more information.

Parking Brake Pedal

Brake Pedal

Accelerator Pedal

ATTENTION

- This vehicle was not manufactured for use on public streets and does not comply with federal motor vehicle safety standards applicable to passenger cars.

YAMAHA

JU0-K7762-00

Y-500b

IMPORTANT LABELS

2

②

▲ WARNING

JWG-K7768-00

Improper use can result in SEVERE INJURY or DEATH

- Vehicle capacity: 1 operator and 1 passenger.
- Remain seated and hold on while in motion.
- Keep entire body inside vehicle.
- Passenger and cargo can affect vehicle handling.
- Drive slowly in turns.

OIL

WARNING

Drive straight up and down hills-driving across the side of hill increases the risk of overturn.

Vehicle rated capacity (driver, passenger,cargo,trailer and load) 750lb (340kg) on level surface.

This vehicle is recommended only for operators 16 or older with a valid motor vehicle license.

Adults must supervise use by minors. Check state laws for minimum age restrictions.

LOCATE AND READ OWNER'S MANUAL. FOLLOW ALL INSTRUCTIONS AND WARNINGS.

ON

OFF

ON

YAMAHA

③

	▲ WARNING GASOLINE IS HIGHLY FLAMMABLE AND EXPLOSIVE. A fire or explosion could cause SEVERE INJURY or DEATH. • Keep heat, sparks, and open flame away from fuel tank and fuel lines. • Do not add fuel while engine is running or hot. • Do not modify fuel system. • Services should be performed by dealer or qualified personnel. YAMAHA	▲ WARNING OPERATION AT HIGHER SPEEDS COULD CAUSE LOSS OF CONTROL THAT COULD RESULT IN SEVERE INJURY OR DEATH. • Do not tamper with governor to increase speed.	▲ AVERTISSEMENT L'ESSENCE EST HAUTEMENT FLAMMABLE ET EXPLOSIF. Un feu ou une explosion pourraient provoquer la BLESSURE SEVERE ou la MORT. • Gérer difficilement, flammes et chaleur font du devenir à essence et des travaux à carburant est chaud. • Ne pas ajouter d'essence pendant que le moteur est chaud. • Ne pas modifier le système d'alimentation. • Toute révision doit être faite chez le fournisseur ou par du personnel qualifié.
	L'OPERATION A UNE PLUS HAUTE VITESSE POURRAIT PROVOQUER LA PERTE DE CONTRÔLE QUI POURRAIT ENTRAÎNER UNE BLESSURE SEVERE, OU LA MORT. • Ne pas toucher au régulateur afin d'augmenter la vitesse.		
			JMH-16257-01

Y-1669a

IMPORTANT LABELS

2

④

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

JN8-H2377-00

Y-1606

⑤

Important Emissions Information Yamaha Golf-Car Company

THIS EQUIPMENT CONFORMS TO 2008 CALIFORNIA EVP REGULATIONS FOR SMALL OFF-ROAD ENGINES UNDER 13 CCR SECTION 2766(D). THIS ENGINE MEETS 2008 CALIFORNIA EXH EMISSION REGULATIONS AND CONFORMS TO PHASE 2 U.S. EPA REGULATIONS FOR SMALL OFF-ROAD ENGINES. EMISSIONS COMPLIANCE PERIOD: CATEGORY A (EPA)

EF: SYVMXS 3572 E B

DCM: Jan 2008

DISPLACEMENT: 357cc

EMISSION CONTROL SYSTEM: EM

THIS ENGINE IS CERTIFIED TO OPERATE ON UNLEADED GASOLINE

EVAPORATIVE CODE: COYMX34A

MAINTENANCE SPECIFICATIONS

ENGINE OIL: SAE 10W/30

IGNITION TIMING: 27 BTDC

SPARK PLUG GAP: .028-031

NO OTHER ADJUSTMENTS NEEDED

The air index of this engine is 3



Most Clean

Note: The lower the Air Index, the less Pollution

This engine is certified to be emissions compliant for the following use:

☐ Moderate (125 hours) ☐ Intermediate (250 hours) ☒ Extended (1000 hours)

Check owner's manual for further details.

Y-1599

⑥



YEAR OF MFG. 2006

YAMAHA MOTOR MFG. CORP.

OF AMERICA

NEWNAN, GEORGIA U.S.A.

MODEL YTF1

POWER 8.5 KW

DRY WEIGHT 343.2 kg

JW6-F4236-01

Y-1607

IMPORTANT LABELS

2

⑦

⚠ WARNING

IMPROPERLY LOADING A TRAILER OR PULLING AN OBJECT CAN AFFECT HANDLING, STABILITY, AND RISK OF OVERTURN OR OTHER ACCIDENTS.

- Vehicle rated capacity: 750lb (340kg) maximum including weight of operator, passenger, accessories, cargo, and (if applicable) trailer tongue weight. (GVW=1552.1 lbs (704 kg))
- Secure load to prevent it from shifting.
- Never load more than 150lbs (68kg) tongue weight on the towing bracket.
- Do not tow more than 300lbs (227kg) rolling weight (trailer plus cargo).
- Read Owner's Manual before loading, towing, or pulling objects.

YAMAHA
JWG-K1695-01

Y-1672a

⑧

⚠ WARNING



• Keep hands, body, other persons, heavy machinery, and tools away from pinch points when lowering bed.

• Do not operate the vehicle with bed up.

IMPROPER USE OF CARGO BED CAN RESULT IN SEVERE INJURY OR DEATH FROM LOSS OF CONTROL, OVERTURN OR OTHER ACCIDENTS.

- Do not carry passengers or cargo.
- Do not exceed the rated load capacity: 1000 lbs (453 kg).
- Load may affect handling and stability.
- Secure cargo so that it will not shift. A loose load could change handling unexpectedly or be thrown forward during occupants' emergency egress.
- Do not tow more than 300 lbs (227 kg) rolling weight (trailer plus cargo) forward as possible. Top-heavy loads increase the risk of overturn.

YAMAHA
JWG-K7766-01

Y-1671a

⑨

⚠ WARNING

STATIC ELECTRICITY SPARKS CAN IGNITE FUEL VAPOR CAUSING FIRE OR EXPLOSION.

- Do not fill portable fuel container (gas can) in cargo bed.
- Set fuel container on the ground and touch fuel nozzle to the unopened container before removing cap.
- Keep the fuel nozzle in contact with the container while fueling.
- Tighten cap before putting fuel container in cargo bed.

YAMAHA
JWG-K7766-01



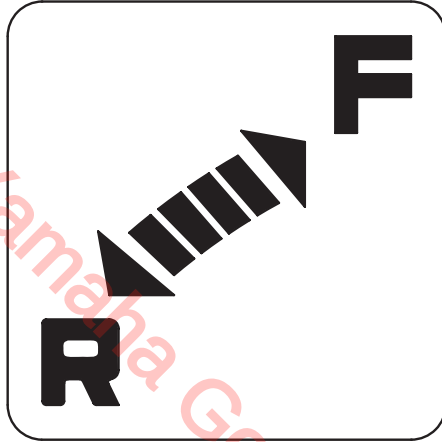
- Keep hands, body, other persons, heavy machinery and tools away from pinch points when lowering bed.
- Do not operate the vehicle with bed up.

Y-1670a

IMPORTANT LABELS

2

⑩



Y-1610

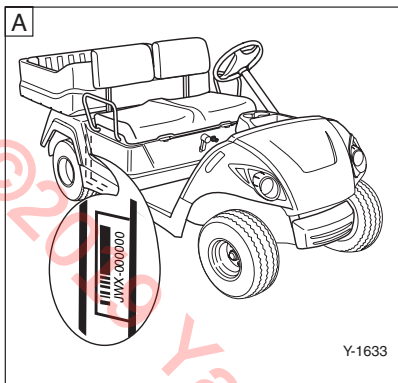
⑪



Y-1673a

IMPORTANT LABELS

2

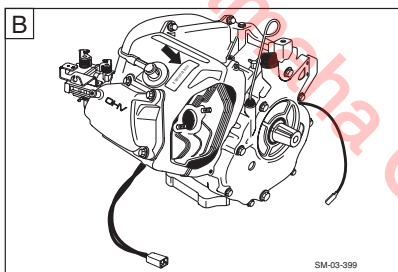


UTILITY VEHICLE SERIAL NUMBER

The utility vehicle serial number (A) is identified in the location shown.

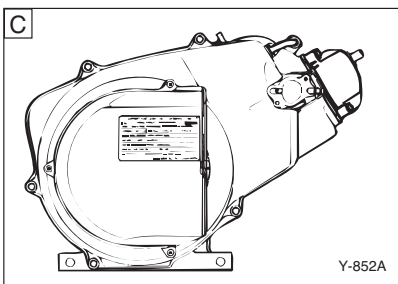
NOTE:

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



The engine serial number (B) is affixed in the location shown.

Engine Information



IMPORTANT ENGINE INFORMATION				YAMAHA	
ENGINE FAMILY : *****					
REFER TO OWNER'S MANUAL FOR MAINTENANCE SPECIFICATIONS AND ADJUSTMENTS.					
DISPLACEMENT: *** cm ³		VALVE LASH(mm)		IN: **..**	EX: **..**
IGNITION TIMING & BLEND MIXTURE		NO OTHER ADJUSTMENTS NEEDED.			
IDLE SPEED: ****		rpm AT NO LOAD			
FUEL THIS ENGINE IS CERTIFIED TO OPERATE ON UNLEADED GASOLINE					
ENGINE OIL: SAE 10W-30		TYPE		SD	
THIS ENGINE MEETS ***** CALIFORNIA EMISSION REGULATIONS FOR OFF-ROAD ENGINES.					
THIS ENGINE CONFORMS TO ***** U.S. EPA REGULATIONS FOR SMALL WORKLOAD ENGINES.					
YAMAHA MOTOR CO., LTD.					

Y-851



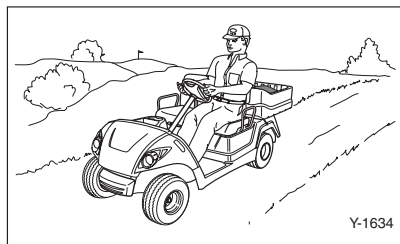
OPERATOR SAFETY

Yamaha utility vehicles are designed to be simple to operate. However, be sure to observe the following:

BEFORE OPERATING THE UTILITY VEHICLE

- Read this Owner's/Operator's manual and all safety and instruction labels on the utility vehicle before operating.
- Perform the pre-operation checks found in Section 6 of this manual.
- Only authorized people should drive the utility vehicle, from the driver's side only, and only in designated areas.
- Do not allow more than two occupants per seat. This utility vehicle is restricted to two occupants.
- Never carry passengers in the cargo bed.
- Do not operate the utility vehicle while under the influence of alcohol or drugs; their affect on vision and judgment make operating a utility vehicle dangerous.
- Do not operate the utility vehicle on public streets, roads or highways unless allowed by law or local regulating authority.

3



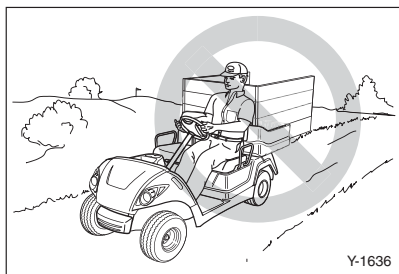
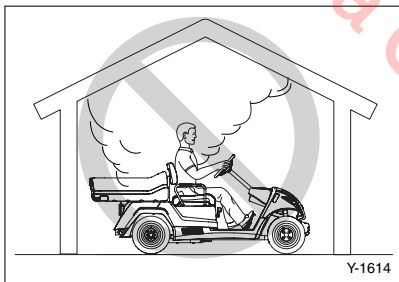
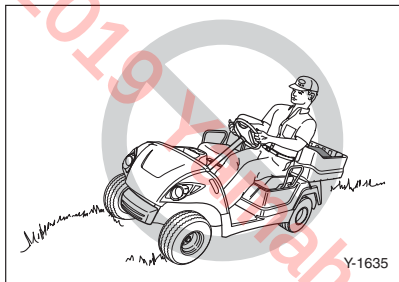
WHILE OPERATING THE UTILITY VEHICLE

- Keep your entire body inside the utility vehicle, remain seated and hold on when the vehicle is in motion.
- Do not start the utility vehicle until all occupants are seated.



OPERATOR SAFETY

3



- 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 utility 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.
- Do not brake abruptly when carrying loads in the cargo bed or when towing a trailer.
- Do not run the engine indoors. Exhaust gas is poisonous.
- 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, utility vehicles can cause injury if improperly used or maintained. This section contains broad safety practices required for safe operation. Before vehicles are operated, personnel should establish any additional safety practices that may be required for safe operation.

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

The information contained here is intended for authorized personnel responsible for utility vehicle safety. If you are responsible for the operation and maintenance of this utility vehicle, we encourage you to implement a safety program.

DRIVER QUALIFICATIONS

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

Place operation and safety instructions recommended by the utility vehicle manufacturer, along with the safety rules, in a conspicuous place near the utility vehicle storage area. It is also recommended that the following warning sign be posted in a conspicuous location:

WARNING

Do not operate utility vehicles when under the influence of alcohol or drugs. Death or serious personal injury can result from failing to comply with the warning instructions in this manual.

SAFETY SURVEY

Perform safety surveys regularly to identify hazardous areas where utility vehicles should not be operated.

HAZARD PREVENTION

The following hazards must be made safe:

- **Steep Grades.** Where steep grades exist, restrict utility vehicles to designated utility vehicle pathways where possible. In addition, identify steep grades with a suitable warning sign like:

WARNING

Descend steep grades slowly with foot on brake. Death or serious personal injury can result from failing to comply with the warning instructions in this manual.

- **Sharp Turns, Blind Corners, Bridge Approaches.** Chain or rope off these potentially hazardous areas or identify them with a suitable warning describing the nature of the hazard and the proper precautions to be taken to avoid the hazard.
- **Wet Areas.** Wet grass may cause a utility vehicle to lose traction and may affect stability. Reduce speed in wet areas or during periods of inclement weather.



SAFETY CONSIDERATIONS

- **Loose Terrain.** Loose terrain may cause a utility vehicle to lose traction and may affect stability. Repair loose terrain, chain or rope off these areas, or identify loose terrain with a suitable warning.
- **Utility Vehicle and Pedestrian Interference.** Reroute utility vehicle traffic or pedestrian traffic in congested areas wherever possible to prevent accidents. If it is impractical to reroute traffic, erect warning signs to warn pedestrians of utility vehicle traffic, and to warn utility vehicle operators to drive slowly, use caution and watch for pedestrians.

ACCESSORIES AND LOADING

Accessories

Accessories can affect the handling and control of your vehicle. Keep the following in mind when considering an accessory or operating a utility vehicle which has accessories.

- Choose only accessories designed for your utility vehicle. Your Yamaha dealer has a variety of genuine Yamaha accessories. Other accessories may also be available on the market. However, it is not possible for Yamaha to test all non-Yamaha accessories, nor have any control over the quality or suitability of them. Choose a genuine Yamaha accessory, or one that is equivalent in design and quality.
- Accessories should be rigidly and securely mounted. An accessory which can shift position or come off

while you are operating could affect your ability to control the utility vehicle.

- Do not mount an accessory where it could interfere with your ability to control the utility vehicle. Examples include (but are not limited to) an object that limits your ability to turn the steering wheel or one that limits your view.
- Use extra caution when driving a utility vehicle with accessories. The utility vehicle may handle differently than it does without accessories.

Loading

Cargo or a trailer can change the stability and handling of a utility vehicle. You must use common sense and good judgment when carrying cargo or towing a trailer. Keep the following points in mind:

- Never exceed the weight limits shown on page 10-1. An overloaded utility vehicle can be unstable.
- Do not exceed the maximum tongue weight. You can measure tongue weight with a bathroom scale. Put the tongue of the loaded trailer on the scale with the tongue at hitch height. Adjust the load in the trailer, if necessary, to reduce the weight on hitch. If you are carrying cargo and towing a trailer, include the tongue weight in the maximum vehicle load limit.
- Load cargo in the cargo bed as close to the center of the vehicle as possible.



SAFETY CONSIDERATIONS

- Tie down cargo securely in the trailer. Make sure cargo in the trailer cannot move around. A shifting load can cause an accident.
- Make sure the load does not interfere with controls or your ability to see where you are going.
- Drive more slowly than you would without a load. The more weight you carry, the slower you should go. Although conditions vary, it is good practice not to exceed low range whenever you are carrying heavier loads or when towing a trailer.
- Allow more braking distance. A heavier vehicle takes longer to stop.
- Avoid making sharp turns unless at very slow speeds.
- Avoid hills and rough terrain. Choose terrain carefully. Added weight affects the stability and handling of the utility vehicle.

WARNING

- **Overloading this utility vehicle or carrying or towing cargo improperly could result in a hazard.**
- **This could cause changes in utility vehicle handling which could lead to an accident.**
- **Never exceed the stated load capacity for this utility vehicle.**
- **Cargo should be properly distributed and securely attached.**
- **Reduce speed when carrying cargo or pulling a trailer. Allow greater distance for braking.**

MAINTENANCE REQUIRED FOR UTILITY VEHICLE SAFETY

Practice the following to help ensure the safety of utility vehicle operators:

- **Preventative Maintenance.** Perform all scheduled maintenance in accordance with manufacturer's recommendations to provide a safe, properly operating utility vehicle.
- **Personnel.** Allow only qualified, trained, and authorized personnel to inspect, adjust and maintain utility vehicles.
- **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 utility vehicle before beginning any maintenance.
- Properly block chassis before working underneath utility vehicle.
- Before disconnecting any part of the fuel system, drain the applicable part of the system to prevent fuel leaks.
- Avoid fire hazards, and have appropriate fire protection equipment available.
- Before performing any maintenance, disable the vehicle's electrical system in accordance with the manufacturer's instructions.
- Use only properly insulated tools when working on electrically powered utility vehicles or around batteries.
- 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.

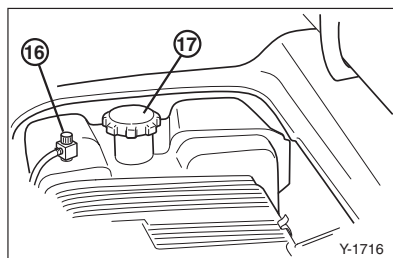
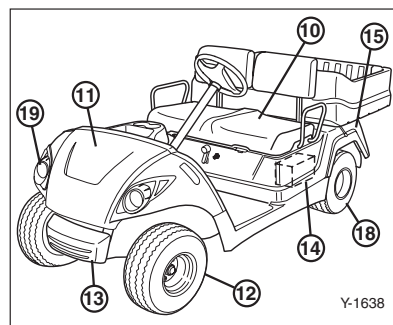
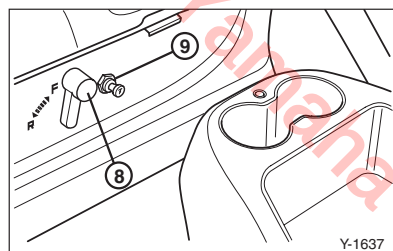
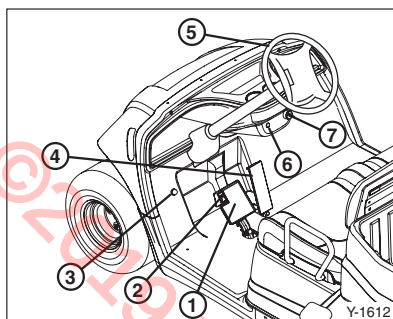
- Record all maintenance performed in a maintenance record log by date, name of person performing maintenance and type of maintenance. Periodically inspect maintenance log to ensure accurate and complete entries.
- Maintain in a legible condition all nameplates, warnings, and instructions provided by the manufacturer.
- If new nameplates, warnings or instructions are needed, contact your Yamaha dealer.

FUEL HANDLING/STORAGE AND BATTERY CHARGING

Take the following precautions to ensure maintenance worker safety:

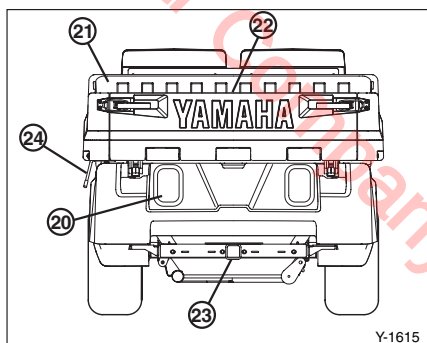
- Supervise the storage and handling of liquid fuels in accordance with applicable fire and safety requirements.
- Only use battery charging facilities and procedures that are in accordance with applicable ordinances and regulations.
- Periodically inspect fueling to be certain that applicable safety codes, regulations and procedures are being followed.

CONTROLS



FEATURES

- ① Brake pedal
- ② Parking brake pedal
- ③ Horn switch
- ④ Accelerator pedal
- ⑤ Steering wheel
- ⑥ Oil warning light
- ⑦ Main/headlight switch
- ⑧ Drive selector switch
- ⑨ Choke knob
- ⑩ Seat
- ⑪ Front cowl
- ⑫ Front tire
- ⑬ Front bumper
- ⑭ Battery
- ⑮ Rear cowl
- ⑯ Fuel shutoff valve
- ⑰ Fuel cap
- ⑱ Rear tire
- ⑲ Headlights
- ⑳ Taillights
- ㉑ Cargo box
- ㉒ Tailgate
- ㉓ Trailer hitch
- ㉔ Cargo bed release lever



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 utility 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.

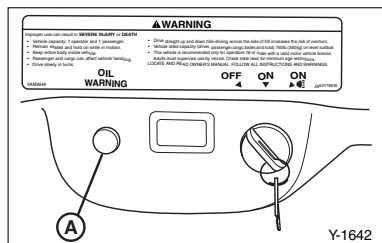
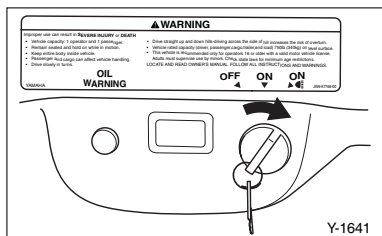
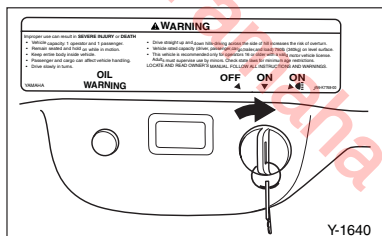
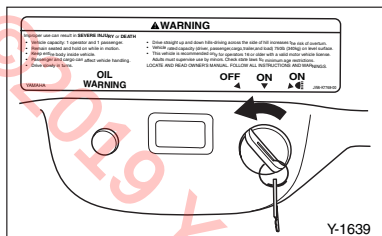
OIL WARNING LIGHT

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

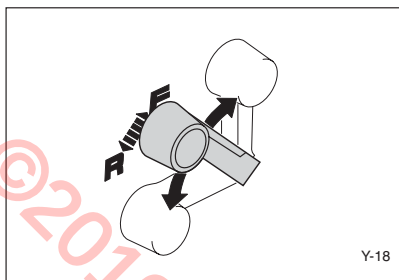
CAUTION

If the light comes on, stop the engine, check the engine oil level and add oil as necessary. Engine damage can result from low engine oil levels. (See page 6-3).

Ⓐ Oil warning light



CONTROLS



DRIVE SELECT LEVER

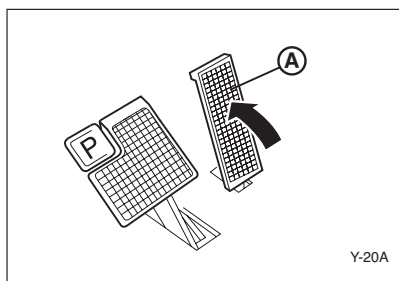
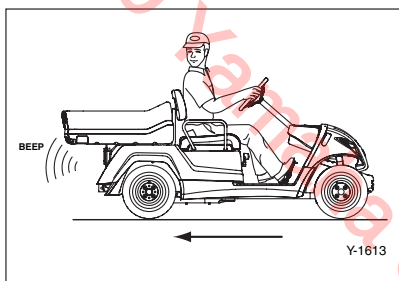
The drive select lever is used to shift the utility vehicle into forward or reverse. After coming to a complete stop, move the lever to the desired position.

Lever Position	Car Movement
F	FORWARD
R	REVERSE

NOTE:

The back-up buzzer will beep when the drive select lever is turned to "R."

5

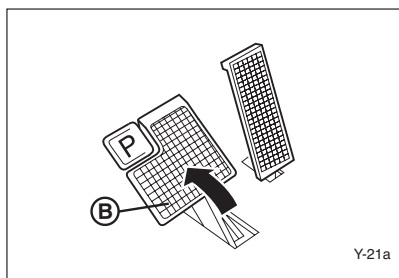


ACCELERATOR PEDAL

The accelerator pedal controls the vehicle's speed.

Action	Car Speed
Depress pedal	Increase
Release pedal	Decrease

(A) Accelerator pedal

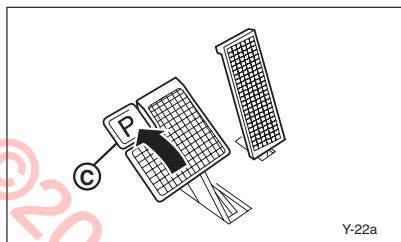


BRAKE PEDAL

Press down on the brake pedal to stop the utility vehicle.

(B) Brake pedal

CONTROLS



PARKING BRAKE PEDAL

Press down on the parking brake pedal whenever parking the utility vehicle.

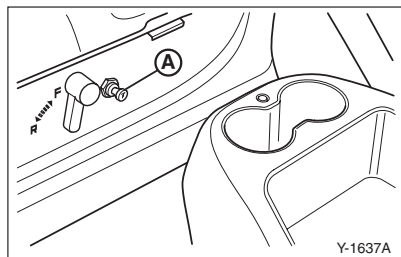
© Parking brake pedal

NOTE:

Release the parking brake by depressing the accelerator pedal.

⚠ WARNING

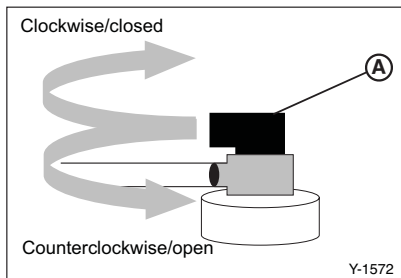
The parking brake will automatically release when the accelerator pedal is depressed. If the main switch is in the "ON" position, depressing the accelerator may suddenly cause the utility vehicle to move. Death or serious personal injury can result from failing to comply with warning instructions in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



CHOKE KNOB

Pull and hold out choke knob when starting a cold engine. Release the knob after the engine starts.

Ⓐ Choke knob

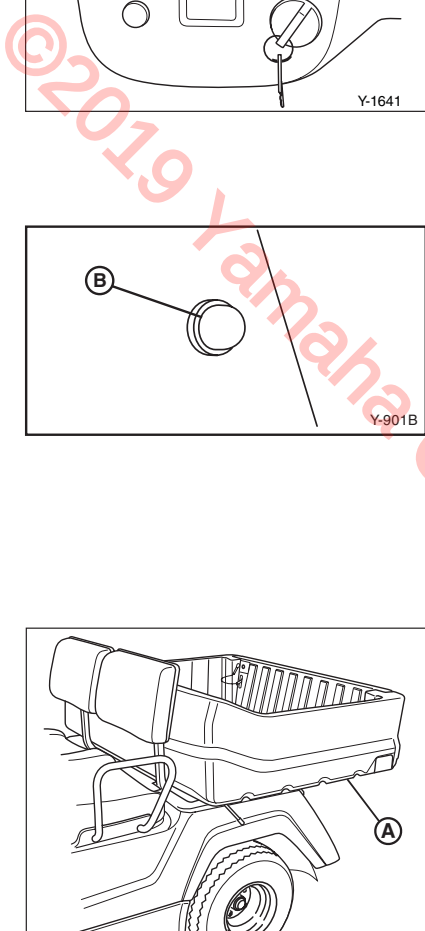


FUEL SHUTOFF VALVE

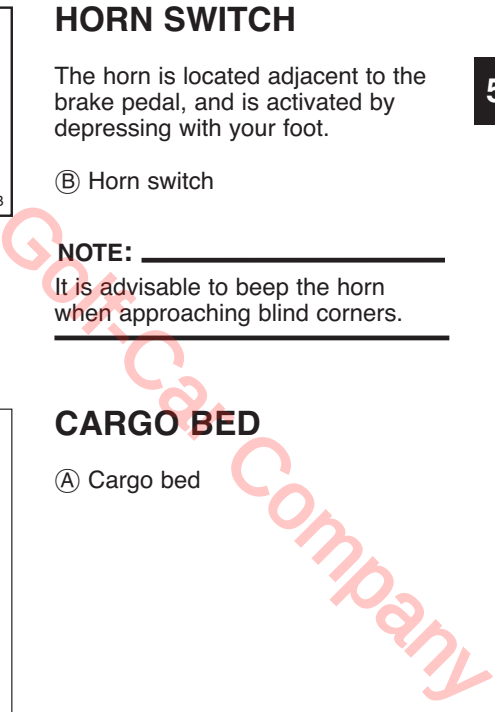
Ensure the fuel shutoff valve is in the "OPEN" position for normal operation.

Ⓐ Fuel shutoff valve

CONTROLS



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



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

⑧ Horn switch

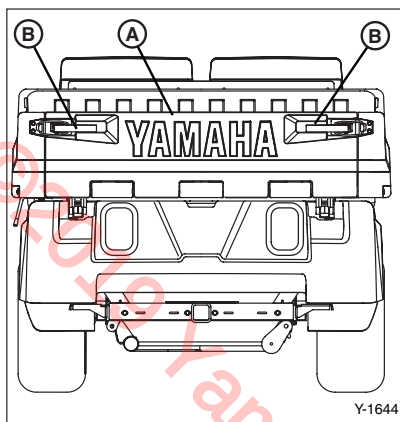
NOTE:

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



Ⓐ Cargo bed

CONTROLS



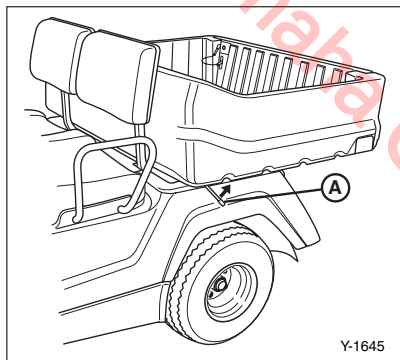
OPENING AND CLOSING THE TAILGATE

To open, unhook the latches, and then lower the tailgate.

To close, place the tailgate in its original position, and then hook the latches.

- (A) Tailgate
- (B) Latch

5

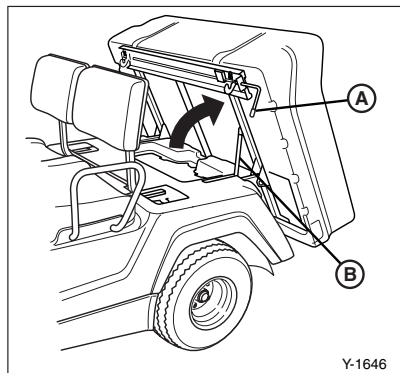


RAISING AND LOWERING THE CARGO BED

To raise, pull the cargo bed release lever toward the rear to unlatch the latches. The gas spring assists in raising and holding the cargo bed open.

NOTE:

The gas spring will only open/hold the cargo bed when it is empty.



To lower, push down on the box to lower it in the original position. Make sure the latches for the cargo bed are securely latched.

- (A) Cargo bed release lever
- (B) Gas spring

Maximum load limit:
300 lb (136 kg)

CONTROLS

⚠ WARNING

Uncontrolled Movement Hazard

- Never exceed the stated load capacity for this vehicle.
- Distribute the load evenly.
- Secure cargo in cargo bed.
- Never tow cargo that is not secured.
- Reduce speed and allow greater distances for braking.

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

⚠ WARNING

Fire or Explosion Hazard

- Do not fill fuel containers in the plastic cargo bed.
- Set fuel container on the ground.
- Keep fuel nozzle in contact with can inlet while filling.
- Tighten cap before setting fuel container in cargo bed.

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

⚠ WARNING

Fall and Thrown Object Hazard

- Do not carry passengers in the cargo bed.

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

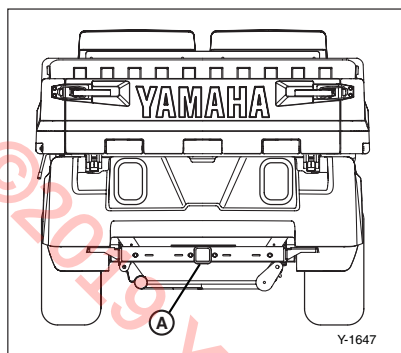
⚠ WARNING

Crush Hazard

- Keep hands and fingers away from cargo bed and seat tracks.
- Have others back away from vehicle before closing cargo bed.
- Do not allow passengers to sit on the seat when closing cargo bed.

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

CONTROLS



TRAILER HITCH BRACKET

This vehicle is equipped with a 2 in. (5 cm) receiver bracket for a standard trailer hitch. Trailer towing equipment can be obtained at a Yamaha dealer.

Ⓐ Trailer hitch bracket

PRE-OPERATION CHECKS

Pre-operation checks should be made each time you use your utility 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.

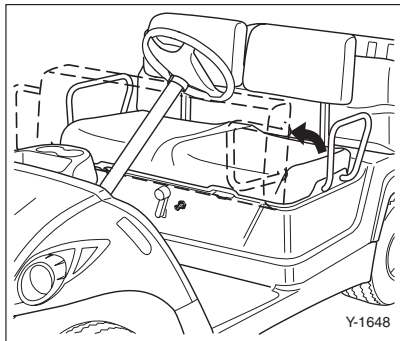
Death or serious personal injury can result from failing to comply with warning instructions in this manual.

PRE-OPERATION CHECKLIST

6

Before each use check the following:

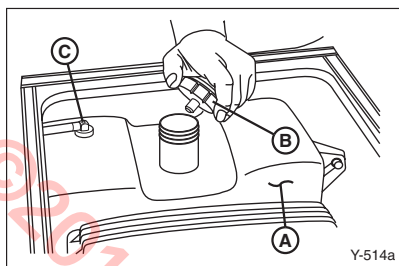
- ✓ Fuel system
- ✓ Engine oil level
- ✓ Battery
- ✓ Tire condition
- ✓ Steering system
- ✓ Back-up buzzer
- ✓ Pedal operation
- ✓ Body and chassis
- ✓ Headlights/Taillights
- ✓ Cargo bed



SEAT

Open the seat for checking and servicing.

PRE-OPERATION CHECKS



FUEL SYSTEM

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

- (A) Fuel tank
- (B) Fuel cap
- (C) Fuel shutoff valve

⚠ WARNING

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

- Do not smoke when refueling and keep away from sparks, flames, or other sources of ignition.
- Stop engine and allow it to cool for several minutes before refueling.
- Refuel 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 refueling.
- 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.

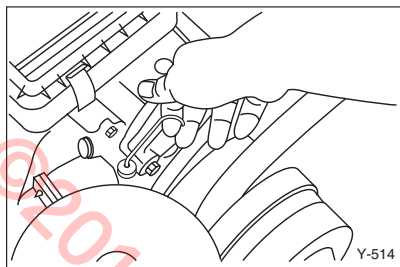
CAUTION

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

Recommended fuel:
Unleaded gasoline

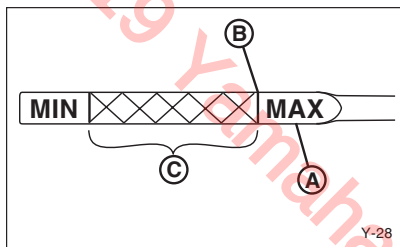
Fuel tank capacity:
6.3 US gal
(24.0 L)

PRE-OPERATION CHECKS



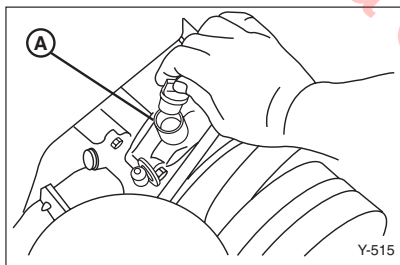
ENGINE OIL

With the utility 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).



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



- (A) Oil filler hole

CAUTION

Engine damage can result.

- 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.

Recommended oil:
YAMALUBE ACC-Shaft-LU-00

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

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

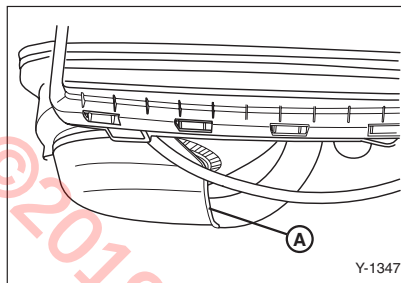
NOTE:

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

NOTE:

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

PRE-OPERATION CHECKS



Engine Cooling Inlet Duct

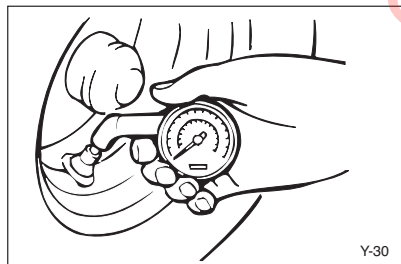
Check the engine cooling inlet duct for debris. Remove any debris present.

- Ⓐ Engine cooling inlet duct

BATTERY

Check that the battery is held securely in place to prevent the battery from being damaged from vibration or jarring. Also check that no battery caps are missing to prevent battery acid from spilling from the battery. Check the battery terminals for corrosion.

6

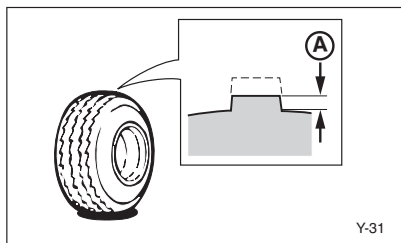


TIRE CONDITION

Tire Air Pressure

Check the tire air pressure before operating the utility vehicle.

Tire pressure:
20 psi (138 kPa, 1.4 kgf/cm²)

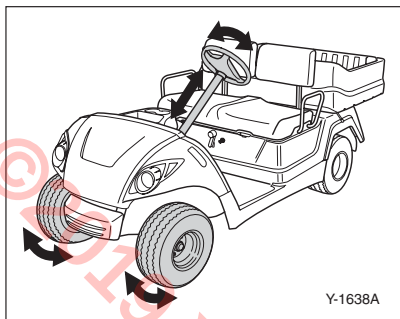


Tire Wear Limit

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

- Ⓐ Wear limit

PRE-OPERATION CHECKS

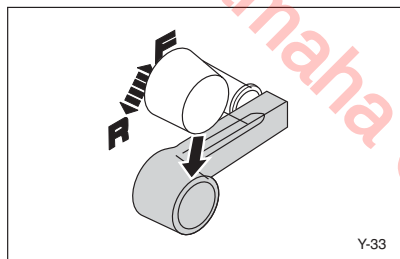


STEERING SYSTEM

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.



BACK-UP BUZZER

Check the back-up buzzer by moving the drive select lever to "R" for reverse. The buzzer should sound.

PEDAL OPERATION

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

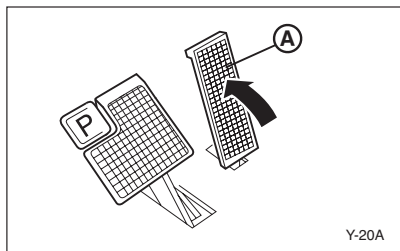
Accelerator Pedal

WARNING

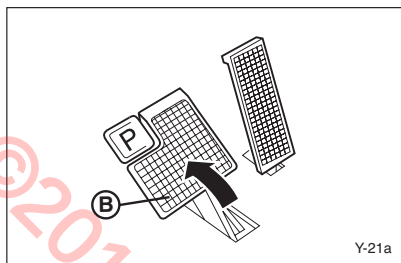
Before checking operation of the accelerator pedal, be sure the main switch is in the "OFF" position. Death or serious personal injury can result from failing to comply with warning instructions in this manual.

Make sure the accelerator pedal operates smoothly.

Ⓐ Accelerator pedal



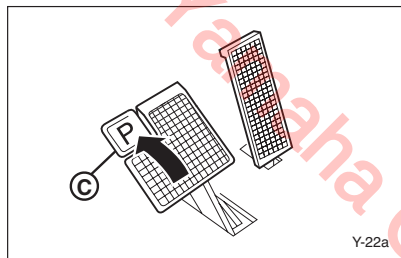
PRE-OPERATION CHECKS



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

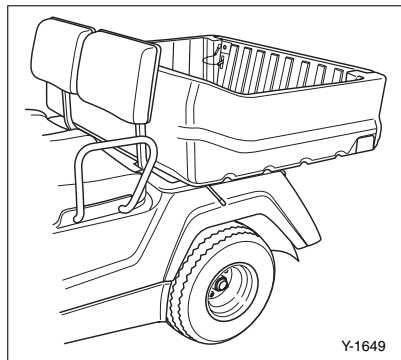
NOTE:

Release the parking brake by depressing the accelerator pedal.

6

BODY AND CHASSIS

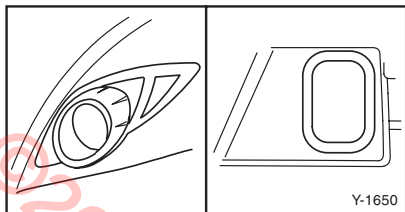
Before each use, visually inspect the utility vehicle body and chassis for damage and/or missing parts.



CARGO BED

Make sure cargo bed is lowered completely and is latched in the down position. Make sure both tailgate latches are latched.

PRE-OPERATION CHECKS

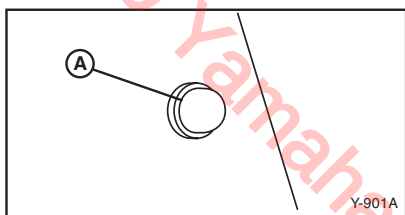


Headlights/Taillights

Ensure the headlights and taillights are operational.

WARNING

Never operate the utility vehicle at night or during inclement weather without properly working headlights/taillights.

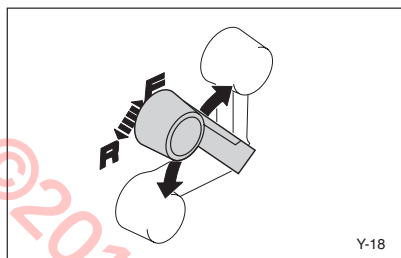


Horn Switch

Make sure the horn operates correctly.

Ⓐ Horn switch

OPERATION

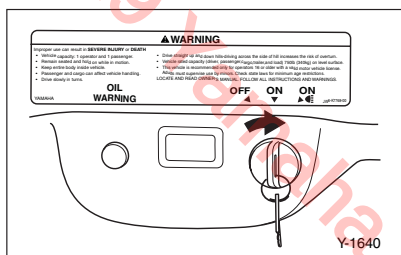


STARTING

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

CAUTION

Do not shift from “FWD” forward to “REV” reverse while the utility vehicle is moving. Transmission damage can result.



2. Turn the main switch to “ON.”

WARNING

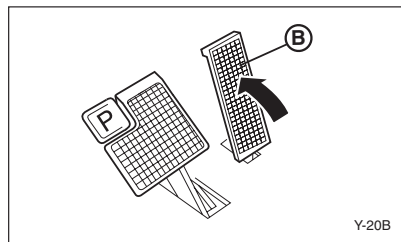
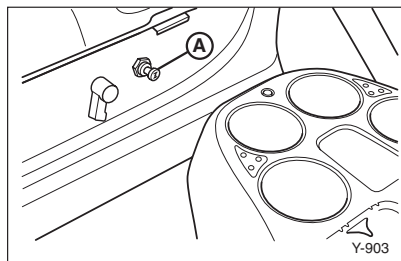
Do not depress the accelerator pedal when turning on the main switch or the vehicle may start moving unexpectedly. Death or serious personal injury can result from failing to comply with warning instructions in this manual.

3. Pull the choke knob out and hold it while starting. Release the choke knob after the engine starts.

Ⓐ Choke knob

NOTE:

The choke is not required when the engine is warm.



4. 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

OPERATION

NOTE:

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

STOPPING

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

(A) Brake pedal

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

(B) Parking brake pedal

CAUTION

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

7

MAXIMUM LOADING LIMIT

- Maximum cargo bed load:
300 lb (136 kg)
- Tow hitch
Tow weight (Including driver, passenger, vehicle cargo and trailer and trailer cargo):
500 lb (227 kg)
Tongue weight: 150 lb (68 kg)

LOADING

Cargo or a trailer can change the stability and handling of a vehicle.

You must use common sense and good judgment when carrying cargo or towing a trailer. Keep the following points in mind:

- Never exceed the weight limits shown. An overloaded vehicle can be unstable.

OPERATION

- Do not exceed the maximum tongue weight. You can measure tongue weight with a bathroom scale. Put the tongue of the loaded trailer on the scale with the tongue at hitch height. Adjust the load in the trailer, if necessary, to reduce the weight on hitch. If you are carrying cargo and towing a trailer, include the tongue weight in the maximum vehicle load limit.

- Load cargo in the cargo bed as close to the center of the vehicle as possible.

- Tie down cargo securely in the trailer. Make sure cargo in the trailer cannot move around. A shifting load can cause an accident.

7

- Make sure the load does not interfere with controls or your ability to see where you are going.
- Drive more slowly than you would without a load. The more weight you carry, the slower you should go.
- Allow more braking distance. A heavier vehicle takes longer to stop.
- Avoid making sharp turns unless at very slow speeds.
- Avoid hills and rough terrain. Choose terrain carefully. Added weight affects the stability and handling of the vehicle.

WARNING

Uncontrolled Movement Hazard

- Never exceed the stated load capacity for this vehicle.
- Distribute the load evenly.
- Secure cargo in cargo bed.
- Never tow cargo that is not secured.
- Reduce speed and allow greater distances for braking.

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

MAINTENANCE

PERIODIC MAINTENANCE CHARTS

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

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

	Remarks	Daily Pre- Operation	40 Rounds 20 hours 100 miles 160 kms (Every month)	250 rds 125 hrs 600 mls 1000 kms (Every 6 months)	500 rds 250 hrs 1200 mls 2000 kms (Every year)	1000 rds 500 hrs 2500 mls 4000 kms (Every 2 years)	2000 rds 1000 hrs 5000mls 8000 kms (Every 4 years)	Page
PRE-OP	Check engine oil	C	C	C				6-3
	Check air cooling duct	C	C	C	C	C	C	*
	Check fuel lines for leakage	C	C	C	C	C	C	6-2
	Check fuel level	C	C	C	C	C	C	6-2
	Check for looseness and corrosion of battery terminals and hold downs	C	C	C	C	C	C	6-4
	Check brake pedal free play and adjust if necessary	C	CA	CA	CA	CA	CA	8-13
	Check steering operation	C	C	C	C	C		6-5
	Check tire pressure, tread depth, tire surface for damage	C	CA	CA	CA	CA	CA	6-4
	Check body and chassis for damage	C	C	C	C	C	C	6-6
	Check tightness of all bolts, nuts, screws and rivets	C	C	C	C	C	C	*
	Check back-up buzzer operation	C	C	C	C	C	C	6-5
EVERY MONTH	Check fuel filter for clogging		C	C	C	C	C	*
	Check wear of drive belt		C	C	C	C	C	8-7/ 8-8
	Check operation of Forward / Reverse shifting		C	C	C	C	C	7-1
	Clean / Lube pedal control area		CL					-
EVERY 6 MONTHS	Wash pre-filter, check air cleaner element			S	S	S	S	8-6/ 8-7
	Check spark plug and plug cap condition** / Check compression			C	C	C	C	8-4
	Check shock absorbers for oil leaks and damaged springs			C	C	C		*

* 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

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

	Remarks	Daily Pre- Operation	40 Rounds 20 hours 100 miles 160 kms (Every month)	250 rds 125 hrs 600 mls 1000 kms (Every 6 months)	500 rds 250 hrs 1200 mls 2000 kms (Every year)	1000 rds 500 hrs 2500 mls 4000 kms (Every 2 years)	2000 rds 1000 hrs 5000mls 8000 kms (Every 4 years)	Page
8	EVERY YEAR	Replace engine oil			R	R	R	8-5
		Adjust throttle cables,** choke cable, check carburetor throttle shaft for wear**			CA	CA	CA	*
		Check starter V-belt for damage and tension			C	C	C	*
		Check drive belt for slippage, wear or scratches			C	C	C	8-7
		Check operation of speed limiter			C	C	C	*
		Apply battery terminal protectant			S	S	S	—
		Check wiring connections and insulation			C	C	C	—
		Check rear axle bearing play for roughness or freewheel			C	C	C	*
		Check steering knuckle bushing free play / Adjust wheel alignment			CA	CA	CA	*
		Check wheel nut tightness, front wheel bearing play			C	C	C	*
		Check transaxle oil level and inspect for leakage			C	C	C	8-11
	EVERY 2 YEARS	Check brushes for wear and commutator for dirt				C	S	*
	EVERY 4 YEARS	Replace fuel filter and fuel hoses					R	*
		Check tightness of cylinder head / Adjust valves					CA	*
		Replace transaxle oil					C R	*
		Inspect internal wet brake and replace pads if necessary					C 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	Acronym
CARB. ASSY., LH., JT., CARBURETOR 2 & JT., CARBURETOR 1	CARB (Carburetor)
T.C.I. MAGNETO ASSY. & PLUG, SPARK	EI (Electronic Ignition)
CRANKCASE 1 & HEAD, CYLINDER 1	PCV (Positive Crankcase Ventilation)
AIR FILTER ASSY.	ACL (Air Cleaner)
MUFF., 2	

The above items and the corresponding acronyms 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 acronyms conform to the latest version of the SAE's recommended practice document J1930, "Diagnostic Acronyms, Terms, and Definitions For Electrical/Electronic System."

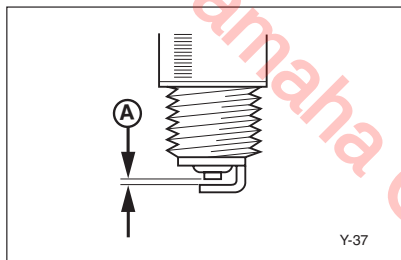
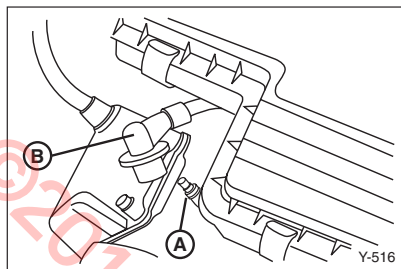
It is recommended that these items be serviced by a Yamaha dealer or other qualified mechanic.

TROUBLESHOOTING

If the vehicle's engine won't start, use the following chart:

Cause	Remedy
Fuel System	
No fuel in tank	Fill fuel tank
Fuel shutoff valve closed	Open fuel shutoff valve
Clogged fuel line	Clean fuel line – Consult Yamaha dealer
Foreign matter in fuel filter	Clean fuel filter – Consult Yamaha dealer
Clogged carburetor	Clean carburetor – 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



Spark Plug Inspection

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

- (A) Spark plug
- (B) 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/BPR4ES

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

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

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

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 warning instructions in this manual.

MAINTENANCE

Engine Oil Replacement

1. Warm up the engine for several minutes, place the utility 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 warning instructions in this manual.

2. Place an oil pan under the engine drain plug.
3. Remove the oil drain plug and let the oil drain completely.

NOTE:

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

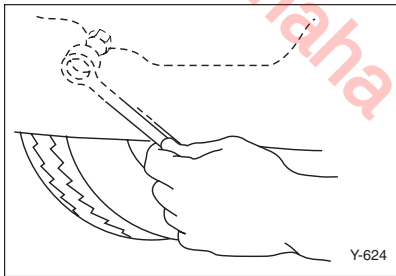
4. Install the drain plug, along with a new drain plug gasket, finger-tight before tightening to the following torque:

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

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

NOTE:

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

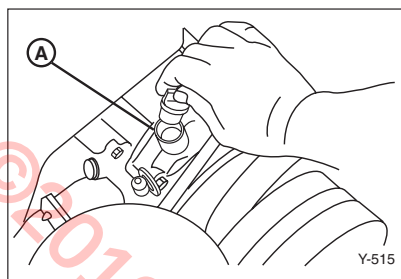


Recommended oil:
YAMALUBE ACC-Shaft-LU-00

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

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

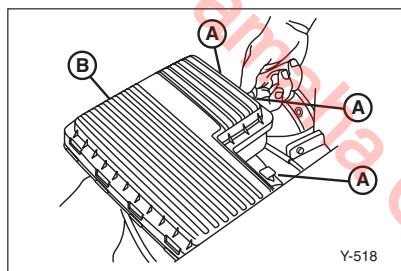
MAINTENANCE



(A) Oil filler hole

CAUTION

Use care not to fill past the MAX dipstick mark, and be sure no foreign material enters the crankcase. Serious engine damage can result. After replacing engine oil, check for oil leaks around the drain plug. If oil leaks are found, consult a Yamaha dealer.



Air Filter

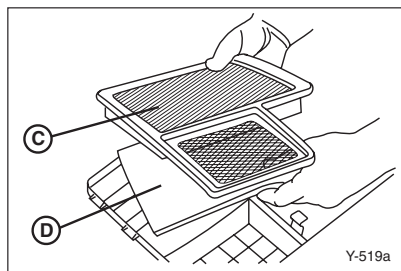
To remove the air filter elements:

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.

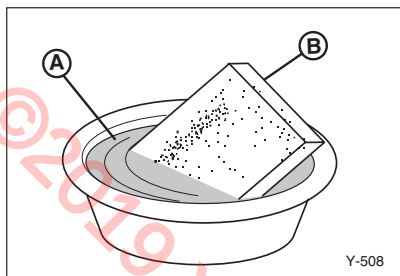
(C) Air filter
(D) Pre-filter



CAUTION

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

MAINTENANCE



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.

CAUTION

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

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

CAUTION

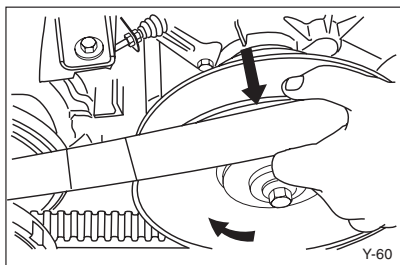
The pre-filter has a notch on one side. It will only fit in the case one way. Serious engine damage can result from an improperly positioned filter.

8

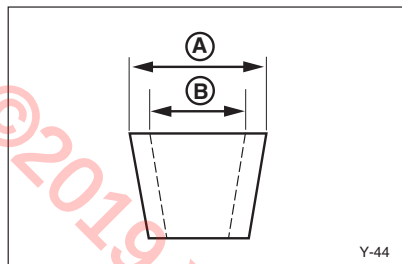
Drive Belt

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:

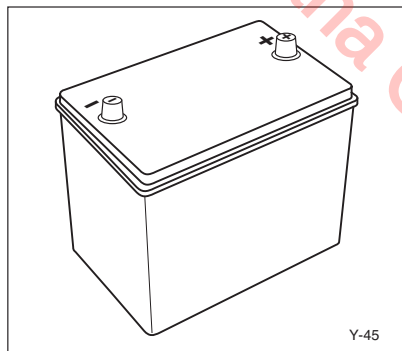
To inspect the drive belt, check for frayed edges or tears, and measure drive belt against the following specification. If the belt shows excessive wear or damage, replace the belt with a new one.

- Ⓐ New: 1.09 in. (27.6 mm)
- Ⓑ Replace when belt reaches: 0.95 in. (24 mm)

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

Battery

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



MAINTENANCE

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

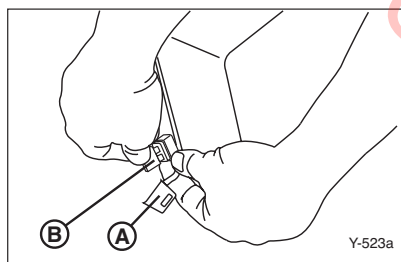
Be sure to use the specified fuse. Using a wrong fuse can cause electrical system damage and create a fire hazard. Death or serious personal injury can result from failing to comply with warning instructions in this manual.

CAUTION

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

1. Locate the in-line fuse holder on the main wire harness adjacent to the battery.
2. Pull fuse holder cover off.
3. Pull fuse out, inspect and replace if necessary.

- Ⓐ Fuse holder
- Ⓑ Fuse



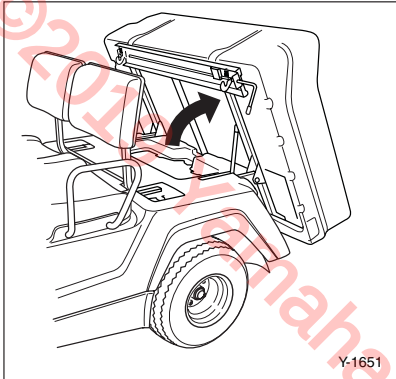
Fuse Type:
10 Amp, Blade Style

MAINTENANCE

Transaxle Oil

To check transaxle oil level:

1. Place the utility vehicle on a flat, level surface.
2. Raise the cargo bed.
3. Place an oil pan under the transaxle case.
4. Clean area around servicing plug ①.
5. Using an 8 mm hex wrench, remove transaxle oil servicing plug located on the rear of the transaxle case.
6. Transaxle oil should be at the top of the oil servicing hole or just beginning to run out of hole.



Y-1651

CAUTION

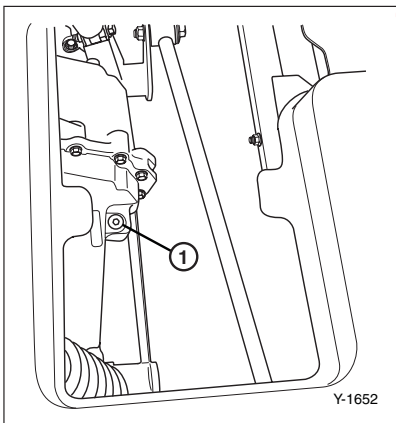
Do not allow foreign material to enter transaxle. Serious transaxle damage can result.

7. If needed, add SAE80 W90 API GL-5 limited slip high performance gear oil until it is at the top of the plug hole or just beginning to run out of servicing hole.

NOTE:

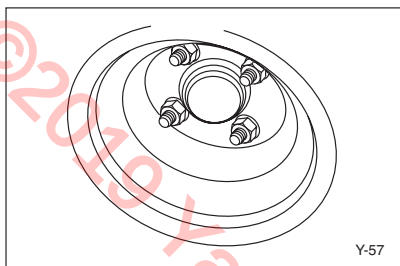
The YTF1 utility vehicle is equipped with an internal wet brake. Use of oil other than SAE80 W90 API GL-5 limited slip high performance gear oil will cause brake noise.

8. Install the transaxle servicing plug and tighten to 120-168 in·lb (14-19 Nm, 1.4-1.9 m·kg).
9. Lower the cargo bed, making sure the latches are securely latched.



Y-1652

MAINTENANCE



8

Wheel nut tightening torque:
58 ft·lb (80 Nm, 8.0 m·kg)

NOTE:

For transaxle oil replacement, consult a Yamaha dealer or other qualified mechanic.

CAUTION

Before performing wheel or brake maintenance, verify that the main switch is in the “OFF” position. Serious transaxle damage can result.

Wheel Replacement

To remove and install a wheel on your utility vehicle:

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

Brake Adjustment

The brakes on your utility 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 utility vehicle if you suspect brake problems. Death or serious personal injury can result from failing to comply with warning instructions in this manual.

MAINTENANCE

Brake Pedal Free Play Adjustment

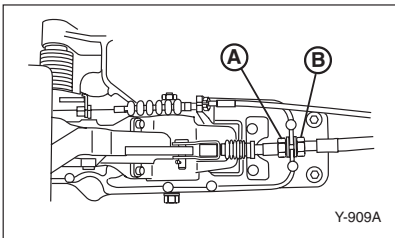
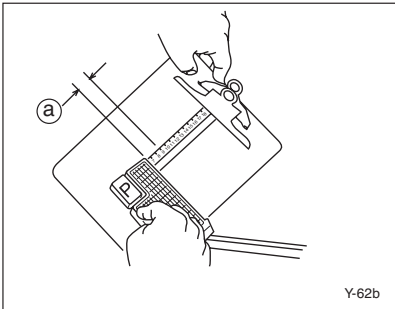
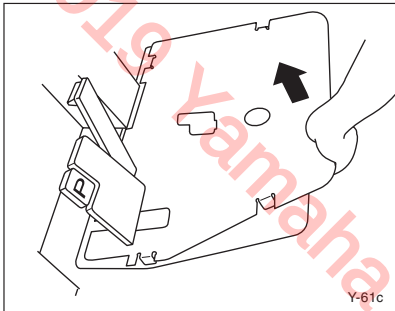
CAUTION

Before adjusting brake pedal free play, pump the brake pedal several times to self-adjust the brakes.

To adjust the brake pedal free play:

1. Remove the floor mat and service lid from the floor of the utility vehicle.
2. 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.
3. 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.

Brake pedal free play (a):
1.77-1.96 in. (45-50 mm)



CAUTION

Do not over-tighten the brake cables. Over-tightening will increase brake wear and affect overall performance of vehicle. Premature brake wear can result.

STORAGE

Perform the following preparations when storing your utility vehicle for extended periods of time:

NOTE:

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

DRAINING FUEL

⚠ WARNING

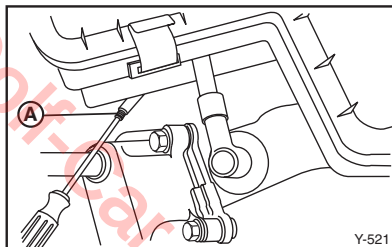
Gasoline and its vapors are highly flammable and explosive. Death or serious personal injury can result from failing to comply with warning instructions in this manual.

- 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.
- 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.

1. 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.

Ⓐ Float bowl drain screw

2. Turn the fuel shutoff valve to the “CLOSED” position.
3. Drain the carburetor float chamber into a clean container by loosening the drain bolt; this will help prevent fuel deposits from building up. Pour the drained fuel into the fuel tank.



Specified amount:

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

NOTE:

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.

STORAGE

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 20 psi (138 kPa, 1.4 kgf/cm²).
2. Clean exterior of the utility vehicle and apply a rust inhibitor.
3. Cover the utility vehicle with a breathable cover and store it in a dry, well-ventilated area.

BATTERY PREPARATION

1. Remove the battery from the utility vehicle and store it in a cool, dry place that stays between 32°F (0°C) and 90°F (30°C).

2. Have the battery recharged every 60-90 days to keep it fully charged. The battery must be kept fully charged to avoid damage.

NOTE:

Batteries like the one supplied with your vehicle normally do not require you to check the water level inside the battery for the one-year warranty period provided by the manufacturer.

CAUTION

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

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

SPECIFICATIONS

GENERAL SPECIFICATIONS

Items	YTF1
Dimensions: Overall length Overall width Overall height (steering height) Height of floor Wheelbase Tread: Front Rear Cargo bed size Overall length Overall width Overall height Minimum ground clearance	104.7 in. (2660 mm) 48.9 in. (1243 mm) 46.9 in. (1190 mm) 11.6 in. (295 mm) 64.4 in. (1637 mm) 34.8 in. (883 mm) 38.6 in. (980 mm) 37.4 in. (949 mm) 48.9 in. (1243 mm) 14.1 in. (357 mm) 4.8 in. (123 mm)
Weight: Dry weight (without battery)	757 lb (343 kg)
Vibration Level: Vibration on seat (EN 1032, ISO5008) for Europe Vibration on steering wheel (EN1032, ISO5008) (for Europe)	Will not exceed 0.5 m/s ² Will not exceed 2.5 m/s ²
Performance: Factory speed setting Maximum speed Minimum turning radius Seating capacity Cargo bed capacity	12 mph (19 km/h) 15 mph (24 km/h) 9.2 ft (2.8 m) Two occupants per seat 300 lb (136 kg)
Fuel Tank Capacity	6.3 US gal (24.0 L)

SPECIFICATIONS

ENGINE

Items	YTF1
Description:	4-stroke, Gasoline, 60° incline OHV
Engine type	Single
Number of cylinders	357 cm ³
Displacement	3.30 x 2.48 in. (85 x 63 mm)
Bore x stroke	8.1:1
Compression ratio	8.5 kw/3500 rpm/11.4 hp
Rated output	Forced air-cooled
Cooling system	Starter/Generator
Starting system	Transistor
Ignition system	BPR2ES/BPR4ES
Spark plug type	0.028-0.031 in. (0.7-0.8 mm)
Spark plug gap	Splash-style positive oil lubrication
Lubrication system	YAMALUBE ACC-Shaft-LU-00
Engine oil type	1.0 US qt (1.0 L, 1000 cc)
Engine oil capacity	1.0 US qt (1.0 L, 1000 cc)
Oil change quantity	

TRANSMISSION

Items	YTF1
Transmission:	V-belt automatic centrifugal engagement
Type	1.22 x 39.76 in. (31 x 1010 mm)
V-belt width and outer line length	0.95 in. (24 mm)
V-belt wear limit	
Governor:	Oil bath flyweight
Type	12 mph (19 km/h)
Factory speed setting	
Differential/reduction gear:	Bevel gear
Differential type	SAE80 W90 API GL-5
Lubricant/capacity	limited slip high performance gear oil/ 1.85 US qt (1750 mL, 1750 cc)

SPECIFICATIONS

BATTERIES

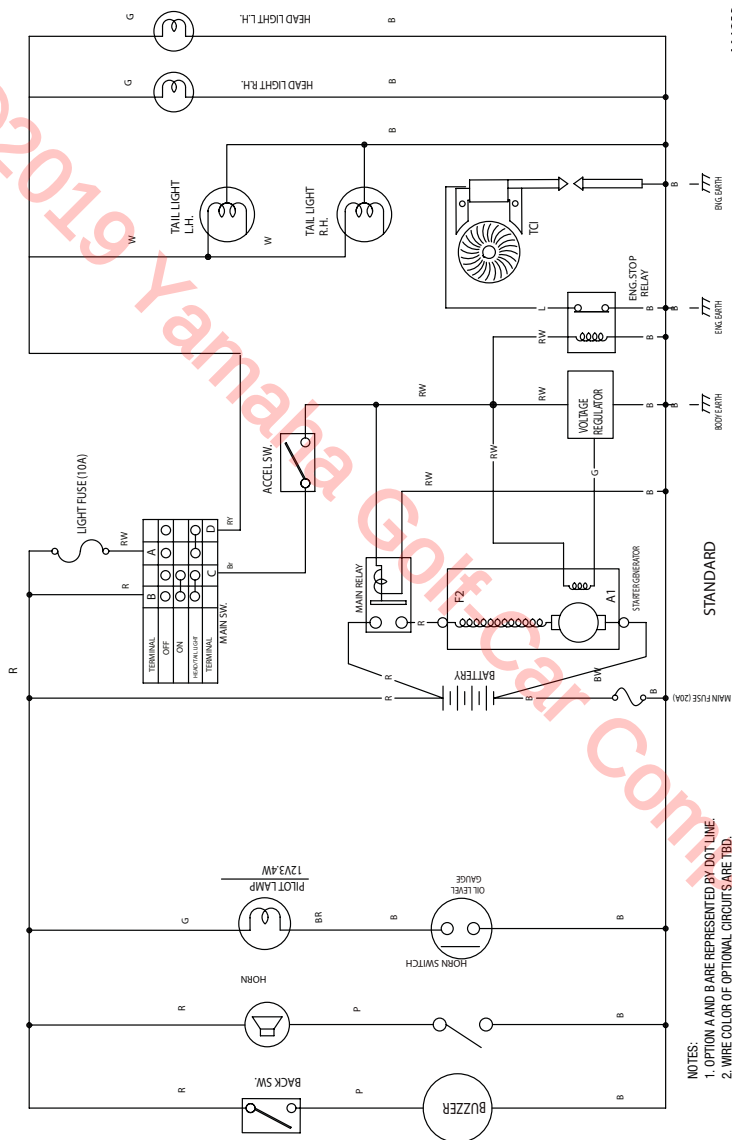
Items	YTF1
Battery:	BCI group 24, RC: minimum 75 min CCA: minimum 400A

CHASSIS

Items	YTF1
Steering system: Type Steering angle (L.H.) Steering angle (R.H.)	Rack and Pinion 1.85 turn 1.85 turn
Brakes: Brake system Type of brake Brake pedal free play linkage adjustment (Brake cable end play)	Mechanical Maintenance-Free internal transaxle disc brake 1.77-1.96 in. (45-50 mm) 0.004-0.02 in. (0.1-0.5 mm)
Parking brake: Type	Foot type; parking brake with automatic release.
Release timing (With pedal segment in second notch) (Bolt heads round parallel to arm)	0.000 ~ 0.001 in. (0.0 ~ 0.3 mm)
Wheel: Tire size: Front Rear Rim size: Tire pressure:	18 x 8.50-8.00/4 PR 18 x 8.50-8.00/4 PR 7.00-I-8.00 20 psi (138 kPa, 1.4 kgf/cm ²)
Body color:	Tortuga

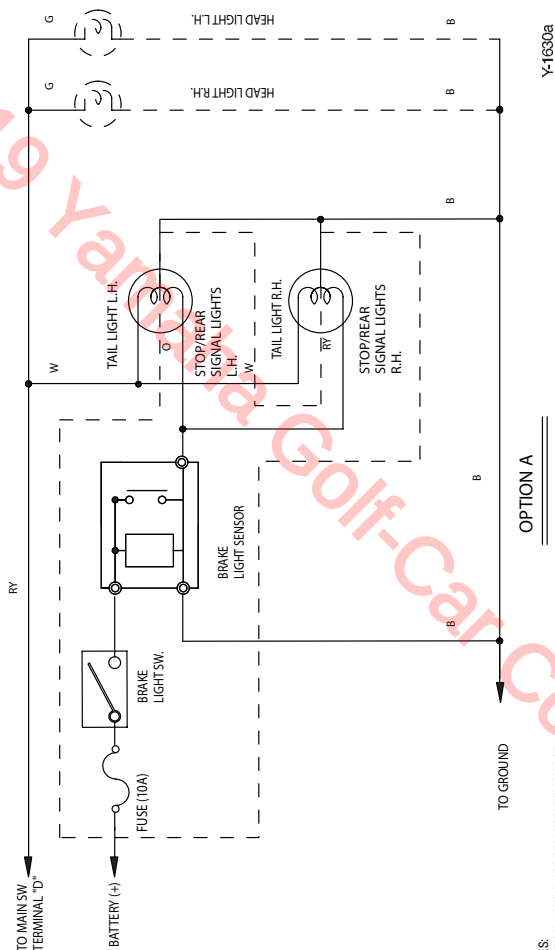
YTF1 WIRING DIAGRAM

WIRING



Y-16239a

STANDARD

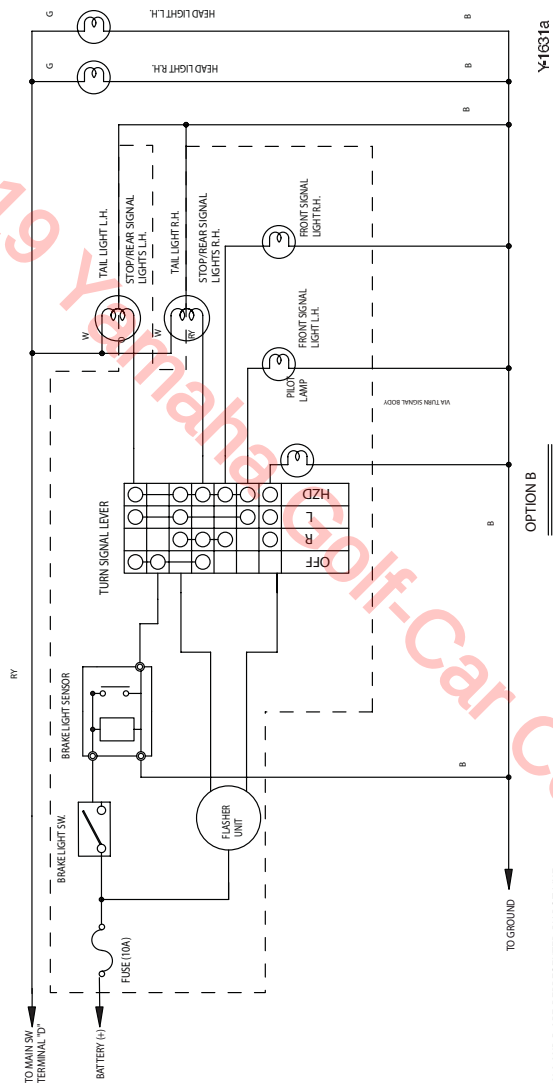


NOTES:

1. OPTION A AND B ARE REPRESENTED BY DOT LINE.
2. WIRE COLOR OF OPTIONAL CIRCUITS ARE TBD.
3. WIRE COLORS FOR TAIL/STOP LIGHTS ARE LOCATED ON WIRE HARNESS SIDE.

YTF1 WIRING DIAGRAM

WIRING



- NOTES:
1. OPTION A AND B ARE REPRESENTED BY DOT LINE.
 2. WIRE COLOR OF OPTIONAL CIRCUITS ARE TBD.
 3. WIRE COLORS FOR TAIL/STOP LIGHTS ARE LOCATED ON WIRE HARNESS SIDE.

NOTES

©2019 Yamaha Golf-Car Company

©2019 Yamaha Golf-Car Company

©2019 Yamaha Golf-Car Company



Printed in U.S.A
2008-KCC

YAMAHA GOLF-CAR
COMPANY
1000 HWY 34 East
Newnan, GA 30265
770-254-4000