

OWNERS MANUAL

FOR MODEL: 3209/4209



NOTICE

Read Important Rules for Safe Operation
before Operating Vehicle

NOTICE

**YOU MUST DEPRESS THE BRAKE PEDAL
BEFORE THE ENGINE WILL START**

WARNING

This vehicle is sold for OFF-ROAD USE ONLY. Before operating this vehicle, read all the instructions for safe assembly and operation as well as the instructions governing the engine and other portions of the vehicle. Pay close attention to all caution and warning labels on the Go-Kart.

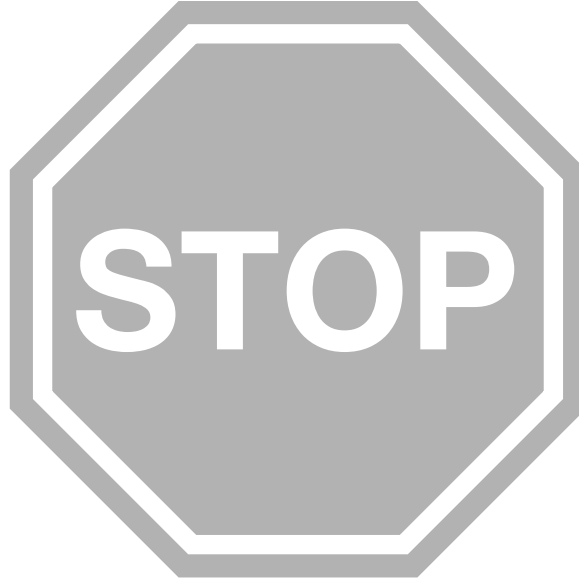


WARNING

**HEARING PROTECTION
IS REQUIRED WHILE
RIDING THIS UNIT**

For
Replacement
Parts Call:
1-888-926-6554

RULES FOR SAFE OPERATION



NOTE: All the items (1-32) below should be read and understood by the Operator and Parent. Failure to follow these instructions could endanger personal safety of the operator and any passenger.

1. This vehicle is not licensable. **IT IS NOT TO BE OPERATED ON ANY PUBLIC ROAD, STREET, SIDEWALK or ALLEY.** To do so would be a violation of local law. This vehicle may be operated only on private property and upon areas approved by local law.
2. This vehicle should **NEVER** be operated indoors. The exhaust from the engine contains carbon monoxide, which is tasteless, odorless, and poisonous gas.
3. This Go-Kart is not intended nor designed for racing.
4. **The operator of this vehicle should always wear a D.O.T approved helmet and other protective equipment as recommended by state and local laws. The operator should also wear face shields or goggles, boots, gloves, hearing protection and other appropriate protective clothing.**
5. Unless otherwise specified in this manual, all screws, NUTS, and BOLTS must be kept tight to ensure that the vehicle is in safe operating condition. The engine must be kept free of all dirt and other accumulations, paying particular attention to throttle linkage area.
6. Prevailing Torque type lockNUTS lose their locking capability with repeated use and require replacement. Ensure lockNUTS are functioning properly.
7. The tire pressure should be checked prior to each use. The recommended inFLATion pressure is the maximum tire pressure which is printed on the tire's sidewall. **Improper tire pressure may cause instability and may prevent proper braking or steering.**
8. Modification of this vehicle or removal of any original equipment or safety decals may render the vehicle unsafe or illegal. **Never remove any chained guard, or belt clutch guard.** These covers are for the riders' protection.

9. The vehicle should never be started without first checking to see that the throttle is in idle position. Do not start engine without verifying proper function of the throttle.
10. **Never attempt to start this vehicle without having the operator sitting in the proper position to ensure control of the kart.**
11. The operator's ability to operate this off-road vehicle safely is largely dependent upon the operator's ability to exercise proper judgment. An operator also must not be too small or too large for controlled operation. The operator must be at least 16 years of age and have understanding, mental capacity and physical capability to safely operate this vehicle. This vehicle should only be operated after mature, supervised instruction and sufficient practice in non-congested areas.
12. **This vehicle is designed for one operator and one passenger.** A passenger on any vehicle must be sufficient age, understanding, mental capacity, and physical capability to act to protect himself/herself, and wear a D.O.T approved helmet at all times. **This kart is not recommended cumulative weights exceeding 250 pounds.**
13. The engine should be stopped when the vehicle is not in use.
14. **Loose clothing, long hair, or articles worn by any riders must be fully contained, or covered to prevent them from possibly being caught in rotating parts of the vehicle or the surrounding environment while riding. Failure to obey could endanger the personal safety of the Riders.**
15. **Do not place hands, feet, or any other part of the body or any clothing near the engine, muffler, wheels, chain, and other rotating parts of the vehicle while riding or running the engine.** Caution must be used in performing required maintenance on or near an operating engine. Special caution should be taken after the engine has been running, since the engine and other drive components may be extremely hot.
16. Wet, slippery, rough, or steep terrain is potentially dangerous and may result in injury if proper caution is not observed. Slow speeds are required to safely operate this vehicle under those conditions. The Operator must use mature judgement, skill, and experience to choose a speed suitable for the terrain and riding conditions.
17. **The Governor settings for this vehicle's engine must not be tampered with, altered or changed.** The governor is set by the engine manufacturer and limits the maximum speed of the engine (and vehicle) and protects the **engine** from damage. Excessive speeds are potentially dangerous to the rider and the engine.
18. Each time before using this vehicle, the fuel supply should be checked. The fuel tank should never be filled while the engine is running or while the engine is hot. Do not fill tank in closed area such as a garage, while smoking, or in the vicinity of an open flame. Do not overfill the tank. Always allow at least 1/4 inch of space at the top of the tank for expansion. Never top off tank. Replace cap tightly to prevent spillage of fuel and potential fire hazard. After filling tank, move the vehicle at least 15 feet away from spot of filling before starting.
19. If the vehicle should start making unusual noise or vibrating abnormally, the engine should be stopped and the spark plug wire disconnected. The vehicle should then be checked for damage. Excessive noise or vibration is generally a warning of loose or worn parts.
20. When making repairs or adjustments to the vehicle which do not involve adjustments to the engine, the spark plug wire must be disconnected and kept away from the spark plug to prevent accidental starting. When working on or around or when restarting engine, use extreme caution to avoid contact with the muffler, cylinder head, or any other potentially hot area on or around the engine.
21. Always perform a Pre-Ride Inspection before starting the engine. See Pre-Ride Inspection in the manual.
22. The custom brush guard assembled on this vehicle is for deflecting loose vegetation and must not be removed.

23. When storing the vehicle, it must be kept in a place where gasoline fumes will not reach an open flame or spark. For long periods of storage, such as for winter, the fuel tank should be drained in the open, cool area. The engine must be allowed to cool before storage in any enclosure. Read and keep all printed material supplied with this vehicle. Timely and specific instructions and an Operators Manual revisions are included in supplements. If any printed material included is unclear, please call 1-888-926-6554 for assistance.
24. **Never operate this vehicle while under the influence of alcohol, drugs, or medication of any kind. Such operation could be dangerous to you and/or others.**
25. Always slow down while turning. High speed turning may cause loss of control, possible injury to the Operator.
26. Do not race, jump, and perform "stunt" riding or "spinouts" when operating the Go-Kart. The Go-Kart is not designed or intended for such operation.
27. This manual provides guidelines for the assembly, maintenance, and operation of this Go-Kart and is not intended as a service manual.
28. Assembly, maintenance, and/or repair of this Go-Kart should only be performed by persons of sufficient mechanical skill, experience, and judgment (such as outdoor equipment dealers, motorcycle dealer/shops, or small engine dealers) so that no unsafe condition or modification is made.
29. Always use extreme caution when starting the engine. Avoid touching the engine, muffler, or drive components. These areas could cause burns on contact.
30. **Operator must always be appropriately supervised at all times while operating this vehicle.**
31. Riding your Go-Kart requires skill acquired through practice over a period of time. Take the time to learn the basic techniques before attempting to ride the vehicle.
32. Ride only on safe and familiar terrain. Avoid loose gravel and rocks. Be careful on wet surfaces and allow for extra braking distance.

Pay close attention to all Caution and Warning labels on the Go-Kart.

ASSUMPTIONS OF RISK

The Owner Or Operator Assumes All The Risks Incident To Or Arising Out Of The Operation Of This Vehicle.
Failure To Follow And Comply With All Warnings May Cause Serious Injury Or Death.

YERF-DOG Go-Karts by Flexible Flyer
LIMITED WARRANTY
The Limited Warranty on this vehicle is in two (2) parts:

We offer the **original purchaser** of this product the following warranty:

PART 1

ENGINE

Your engine manufacturer (Howhit) warrants the parts for this engine for 12 months from the date of purchase. Yerf-Dog Customer Service will facilitate any warranty questions that you may have. For questions or parts please call 1-888-926-6554.

PART 2

FRAME

The frame and related components are warranted by Flexible Flyer and are applied to any part found to be defective due to material and/or workmanship when inspected at the Flexible Flyer factory. Flexible Flyer will at its' option, repair or replace the defective parts to the original purchaser at no charge.

The warranty periods are as follows from the date of purchase:

- A. Frame for 90 days, Void if:
 - 1. Frame is broken or bent due to abuse (underside scraped abusively).
 - 2. Wheels are bent or broken due to impact.
 - 3. Spindles are bent due to impact.
 - 4. Paint is worn off of rear bumper indicating an extra rider.
 - 5. Axles are bent out of ordinary position either horizontally or vertically.
 - 6. Non-Factory altering of engine or it's components.
- B. Throttle cable, chain, tires, seat, shocks, fasteners and other components are not warranted because due to normal service they are subject to excessive wear and abuse.

All Warranties are voided if the vehicle has been altered in any way or is used in racing or competition, rented, used under abnormal conditions, or subject to abuse, misuse, neglect, or improper maintenance.

Flexible Flyer is not liable for any damage claim or liability claim, personal or otherwise resulting from the operation of this vehicle in any way.

F.F. ACQUISITION CORP.
1743 South Horne #100
Mesa, Arizona 85204

FOR REPLACEMENT PARTS PLEASE CALL:
1-888-926-6554

ASSEMBLY

Complete the Go-Kart registration and warranty confirmation on the back of this owner's manual and mail in within 10 days of purchase. The information is required when ordering parts.

1. Assemble go-kart as indicate on the following pages.
2. BOLTS - Check the screws, NUTS and BOLTS on your vehicle to see that all are tightened securely. For safe operating conditions, do periodic checks and tighten securely.
3. Fill fuel tank with unleaded gasoline only. Octane should be 85 to 93 or higher.
4. Tire Pressure

CHECK AIR PRESSURE IN TIRES!!

It is common industry practice to over inflate the tires. This is done to guarantee an airtight seal. Prior to riding the Go-Kart for the first time, you may need to reduce the air pressure in the tires to the specifications stated below:

Rear Tires	10 PSI
Front Tires	14 PSI

Proper tire pressures will increase the life of the tire and enhance the performance of the Go-Kart. Driving on asphalt or concrete **will significantly reduce** the life of the tire!!

PRE-RIDE INSPECTION

WARNING - Perform this pre-ride inspection everyday before riding the vehicle. If not performed, serious damage to the vehicle and personal injury may result.

1. Engine Oil Level – Add oil if required. Check for leaks. Tighten filler cap securely.
2. Fuel Level – Add fuel if necessary. Do not overfill (no fuel in filler neck). Replace cap tightly. Check for leaks. Do not mix oil with gas. Only refuel when engine is off and cool.
3. Brakes – Perform a Brake Test: Sit in the vehicle with the brake actuated by pressing on the brake pedal. Start the engine with the ignition switch on. Increase the engine RPM gradually to ensure the brake is effective and that it does not "leak down". Do not operate this Go-Kart unless the brake is working properly. Check brake fluid regularly to ensure that it is clear colored and that the fluid level is within the minimum and maximum range. **This unit should not crank unless the brake pedal is pressed down.**
4. Tires – Verify correct air pressure in tires.
5. Drive Chain and Sprockets – Check condition, tension, lubricate as necessary. Check sprocket for broken teeth and loose fasteners.

6. Throttle – Check for smooth operation. Assure throttle “snaps” back to idle. Also, check for frayed cable or damaged cable conduit. If either condition exists replace the cable assembly before riding.
7. Stop Switch – Perform this stop switch test. While the engine is running, move the steering column remote stop switch to the “OFF” position. If this does not stop the engine, move the engine remote switch to the “OFF” position. If the engine is not equipped with an engine remote switch, pull the spark plug wire. **Do not operate this vehicle with a stop switch that is not functioning properly.**
8. All NUTS, BOLTS and Fasteners – Check wheels to assure that all axle NUTS and lug NUTS are tightened properly. Check and tighten all other fasteners as necessary. Regularly check set screws on sprockets and drum.
9. Guards – Ensure all protective guards are in place. **Never remove any chain guard, or clutch guard.** Each of these covers have a protective purpose, if removed it could endanger the personal safety of the operator or passenger.
10. Steering System – Ensure that it turns freely.
11. Unit must be on flat level ground.

OPERATIONAL SAFETY TIPS

TURNING MANEUVERS

The new rider must learn to shift his weight and control the throttle to allow the rear tires to negotiate the turn. This is the primary technique to be mastered in riding this vehicle. Practice turning at slow constant speeds. Defer increased speeds until you are confident of your proficiency and are intimately familiar with the terrain.

Steer in the direction of the turn, and lean your body to the inside of the turn in order to maximize front tire traction. Use the throttle to maintain posture throughout the turn.

Incorrect turning techniques may cause the front tires to slide straight ahead without affecting the vehicles direction of travel. If this should occur, come to a stop, then resume the technique outlined above.

If the front wheels tend to skid in mud, sand, or snow, you may be able to improve control by releasing the throttle and allowing the vehicle to coast through the turn.

If rear wheel inadvertently skid sideways, correct your slide by steering in the direction of the skid, if you have room to perform this maneuver safely. Avoid braking or accelerating until you have control.

To avoid skids while traveling on slippery terrain, the rider must exercise a high degree of caution. Turning maneuvers on slippery terrain are more hazardous than those performed under full traction and must be done slowly.

PREVENTIVE MAINTENANCE

STORAGE

In the event your vehicle is not to be operated for a period in excess of 30 days and at the end of riding season prepare for storage as follows:

WARNING - Do not drain fuel while engine is hot. Be sure to move vehicle outside before draining fuel.

1. Drain fuel tank and remove all fuel remaining in the tank by using a suction device or by soaking up the fuel with a clean rag or towel. Remove all fuel remaining in the carburetor by allowing engine to run out of fuel. Do not perform any fuel removal procedure while smoking or near an open flame. Dispose of any rags or towels properly.
2. Lubricate engine cylinder by removing the spark plug and pouring an ounce of lean lubricating oil through the spark plug hole into the cylinder. Crank the engine slowly to spread oil and replace spark plug.
3. Do not save or store gasoline over winter. Using old gasoline that has deteriorated from storage will cause hard starting and affect engine performance.
4. When the vehicle is removed from storage re-read the owner's manual, perform any assembly required, and perform a pre-ride inspection. See Pre-Ride Inspection section of this manual.

GENERAL

Just as your automobile needs professional, mechanical maintenance from time to time, so does this vehicle. Replacement of the spark plug and ignition points is made necessary by normal use.

Professional air-cooled engine service is easily obtained. Check your phone book yellow pages under "Engine Gasoline".

SERVICE INSTRUCTIONS

Kart Lubrication – Every two or three hours of use lubricate the following items with several drops of oil; steering bearing points, brake rod pivot points, pedal pivot points, steering spindles, and steering rod ends. Use the same grade of lubricating oil that is used in the engine crankcase.

Front Wheel Replacement – Care must be used when replacing wheels. **Do not over tighten nuts.** It is only necessary to tighten the nuts so that the wheel turns freely on the axle with minimum endplay. If the wheel does not turn freely the nut is too tight.

Rear Wheel Replacement – Loosen the 4 lug nuts in order to remove the tire.

For Engine Service instructions, see the **Drive Train Service Section**.

For Replacement Parts Please Call:

1-888-926-6554 (U.S.)

NUTS AND BOLTS

Inspect first week and every month thereafter.

Because frequent operation can cause the kart's nuts and bolts to loosen, they should be checked and tightened often. Use the chart below as a torque reference throughout the following assembly process.

TIGHTENING TORQUE CHART

Bolt Diameter (mm)	Conventional Marked Bolt			8.8 Marked Bolt		
	N / m	kg / m	lb. / ft.	N / m	kg / m	lb. / ft.
4	1 ~ 2	0.1 ~ 0.2	0.7 ~ 1.5	1.5 ~ 3	0.15 ~ 0.3	1.0 ~ 2.0
5	1 ~ 4	0.2 ~ 0.4	1.5 ~ 3.0	3 ~ 6	0.3 ~ 0.6	2.0 ~ 4.5
6	4 ~ 7	0.4 ~ 0.7	3.0 ~ 5.0	8 ~ 12	0.8 ~ 1.2	6.0 ~ 8.5
8	10 ~ 16	1.0 ~ 1.6	7.0 ~ 11.5	18 ~ 28	1.8 ~ 2.8	13.0 ~ 20.0
10	22 ~ 35	2.2 ~ 3.5	16.0 ~ 25.5	40 ~ 60	4.0 ~ 6.0	29.0 ~ 43.5
12	35 ~ 55	3.5 ~ 5.5	25.5 ~ 40.0	70 ~ 100	7.0 ~ 10.0	50.5 ~ 72.5
14	50 ~ 80	5.0 ~ 8.0	36.5 ~ 58.0	110 ~ 160	11.0 ~ 6.0	79.5 ~ 115.5
16	80 ~ 130	8.0 ~ 13.0	58.0 ~ 94.0	170 ~ 250	17.0 ~ 25.0	123.0 ~ 181.0
18	130 ~ 190	13.0 ~ 19.0	94.0 ~ 137.5	200 ~ 280	20.0 ~ 28.0	144.5 ~ 202.5

HARDWARE IDENTIFICATION

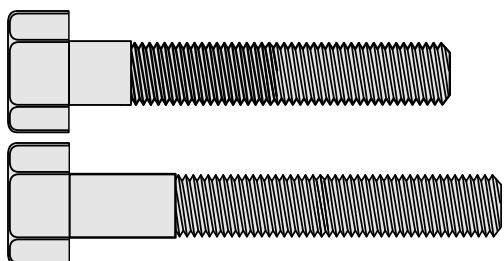
SEAT BELT

(Female)

Bolt - 3/8" x 2"
(PN 22000900)

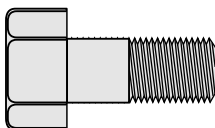
(Male) (Shoulder Bolt)

Bolt - 5/16" x 2 1/4" Bolt
(PN 00996)



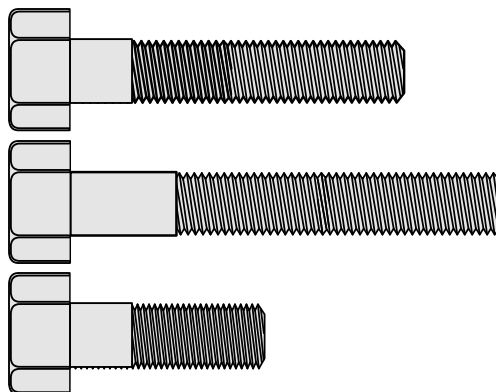
Fuel Tank

Bolt - 5/16" x 3/4"
(PN 705198)



BRUSH GUARD

Bolt - 5/16" x 1 3/4" (PN H33135W)
Bolt - 5/16" x 2-1/4" (PN 00996)
Bolt - 5/16" x 1" (PN 2200040)



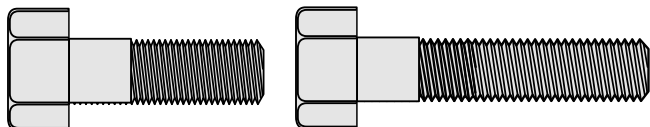
SEAT

(Driver's Side)

Bolt - 5/16" x 1" (PN 2200040)

(Passenger's Side)

Bolt - 5/16" x 1-1/2" (PN 2200030)



STEERING WHEEL

Bolt: 1/4" x 1-3/4"
(PN H32503W)



SUSPENSION MAINTENANCE

The Suspension System on your Go-Kart is specifically designed and set up for the smoothest possible ride, while maintaining top performance and kart durability. Your Go-Karts suspension system uses four shock absorbers, two on the front suspension and two on the rear suspension, to comfortably tackle rough terrain.

The two front shock absorbers affect the camber or slant of your front tires. You may have noticed that your new Go-Kart has an extreme outward camber or slant of the front tires as shown in **Figure A. This is normal.** They were set this way at the factory for ensuring maximum tread life on the front tires. There are three important reasons for this outward camber:

1. The weight of the driver and/or passenger is not on the Kart.

The added weight of the driver and/or passenger pushes the front and rear suspension down.

2. The Go-Kart is not in motion.

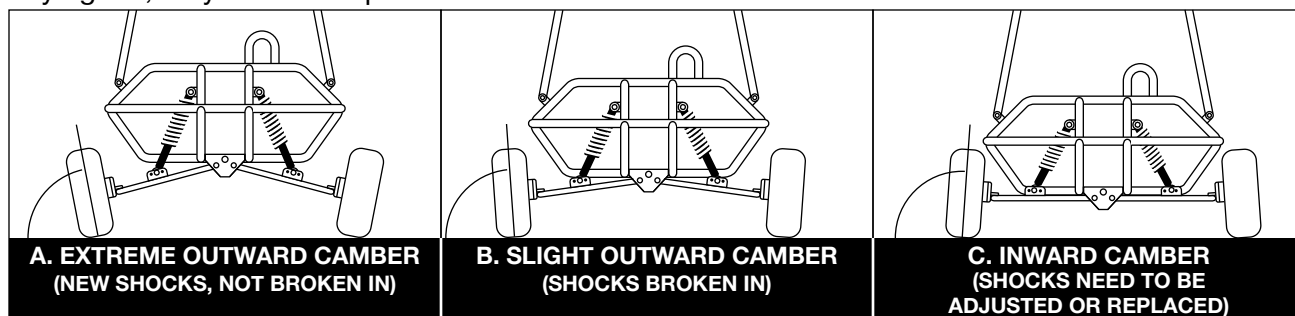
When the Kart is in motion, the front suspension is forced down slightly.

3. The shock absorbers are new and not “broken in”.

Your new Go-Kart needs at least one hour of use to “break in” the shocks and level out the tires.

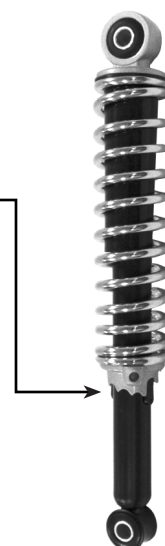
After the first 30 minutes of use, the outward camber may be reduced by one half. After 1 hour of use the tires may have almost no or slight outward camber as shown in **Figure B.**

When your Go-Kart gets an inward camber on the front tires from shock wear as shown in **Figure C** and steering becomes difficult, the shocks will need to be readjusted. Adjust the front suspension to a slight outward camber as shown in **Figure B** by increasing the shocks. Adjust the shocks by following the “Shock Absorber Adjustment “ instructions below. When your shocks cannot be adjusted any tighter, they must be replaced.



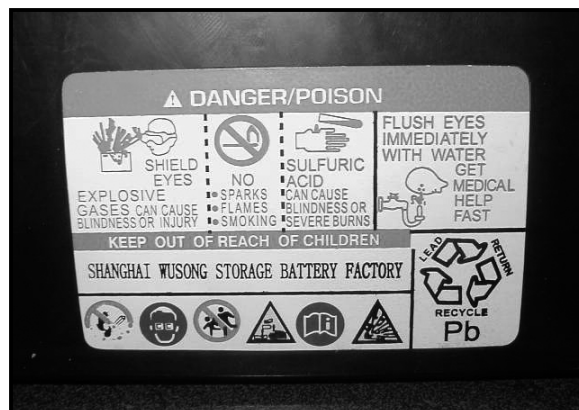
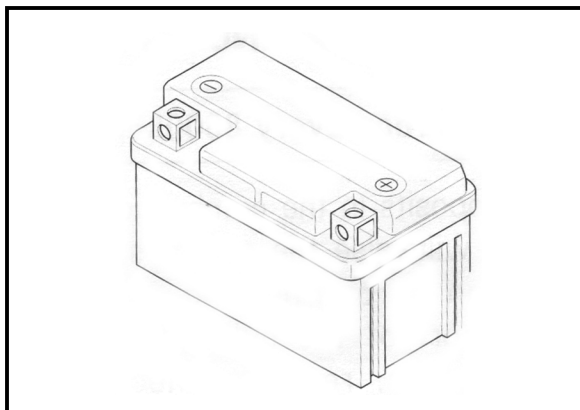
SHOCK ABSORBER ADJUSTMENT

1. Locate the SHOCK ABSORBERS (78) at the front and rear of the Go-Kart.
2. The factory pre-set the SHOCKS for normal operating conditions.
3. Locate the SHOCK ADJUSTMENT HOLE at the base of the spring.
4. Place the end of a narrow screwdriver in the SHOCK ADJUSTMENT HOLE.
5. Turn the SHOCK ADJUSTMENT HOLE counter-clockwise around the SHOCK to decrease shock absorption.
6. Turn the SHOCK ADJUSTMENT HOLE clockwise around the SHOCK to increase shock absorption.
7. Experiment with the adjustment until the desired effect is attained.



BATTERY INSTALLATION

INITIAL SERVICE AND INSTALLATION OF BATTERY:



WARNING

The following procedure is very dangerous and should be performed with utmost care and attention. Wear protective eyewear, rubber gloves, and have water available should electrolyte come in contact with skin or eyes. **KEEP ALL CHILDREN AWAY FROM THE AREA WHILE THIS PROCEDURE IS BEING PERFORMED.**

POISON – CAUSES SEVERE BURNS

Contains sulfuric acid.

Avoid contact with skin, eyes, or clothing

TO prevent accidents, rinse empty container with water.

ANTIDOTE:

External – flush with water

Internal – **Call physician immediately.** Drink large quantities of water or milk.

Follow with milk of magnesia, beaten eggs or vegetable.

Eyes – Flush with water for 15 minutes and get prompt medical attention.

KEEP OUT OF THE REACH OF CHILDREN



FIGURE 20

Note: The following page is for karts with battery's containing separate electrolyte pack. Most battery's will come with the electrolyte already sealed into the battery.

Preparing the battery:

- Place battery on level surface. Remove sealing tape from top. (see figure 20)
- Take the electrolyte container out of the plastic bag.
- Place electrolyte container upside down with the sealed silver mouths of the electrolyte bottles in line with the six filler holes of the battery. (see figure 21)
- Push the container down strongly enough to break the silver seals. (see figure 22)
- As electrolyte starts flowing into battery, air bubbles will come up from the mouths of the plastic electrolyte bottles.
- Leave bottles upside down in battery holes until electrolyte is completely drained.
 - Never leave children unattended around battery.
- If air bubbles cease to float to the top of the electrolyte bottles, tap lightly on top.
 - DO NOT remove container from battery while it is draining.
 - Never cut or pierce electrolyte container.
- After all the electrolyte has drained from the bottles into the battery, pull plastic electrolyte bottles gently out of the battery.
- Discard empty electrolyte bottles in a waste area that is inaccessible to children and animals.
- After filling let battery stand for at least 30 minutes before charging. This allows the electrolytes to penetrate plates for optimum performance and ensures longer battery life.
- After 30 minutes the battery is ready for its initial charge. Place cap strip loosely over the filling holes as shown in the picture. (see figure 23)



FIGURE 21



FIGURE 22

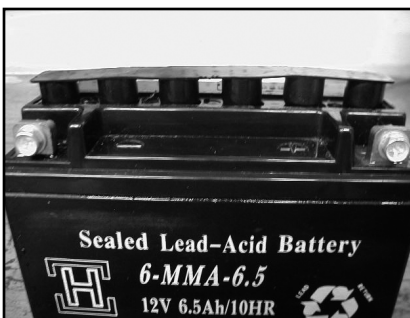


FIGURE 23

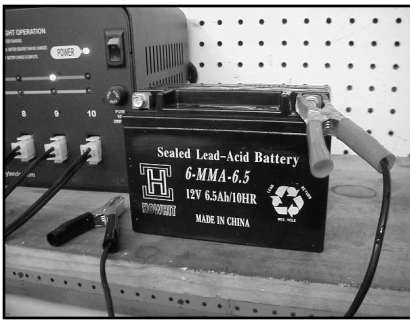


FIGURE 24

• **How to Initially Charge the battery:**

- 1 Connect the red positive (+) cable to the red positive (+) pole of the battery. **(see figure 24)**
- 2 Connect the black negative (-) cable to the black negative (-) pole of the battery. **(see figure 25)**

Note: The red positive (+) cable has a larger diameter than the black negative y cable.

- 3 Charging rate: Charge battery @ 0.7 Amps for 5 ~ 10 hours.

- After charging is complete, press down firmly with both hands to seat the caps. (Do not pound or hammer.) The battery is now sealed. **(see figure 26 and 27)**

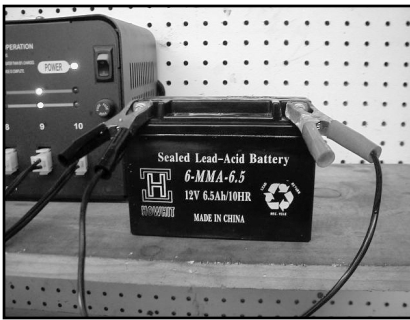


FIGURE 25

! WARNING

**NEVER REMOVE THE STRIP OF CAPS
NOR ADD ANY WATER OR ELECTROLYTE.**

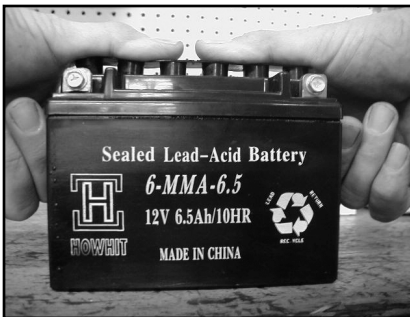


FIGURE 26

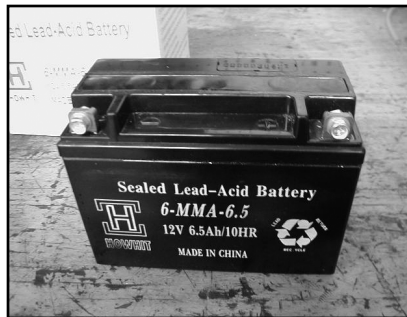


FIGURE 27



FIGURE 28

- Install battery into battery tray making sure that the rubber mat is in place. The warning label on the battery should be facing the warning label on the gray tray. **(see figure 28)**

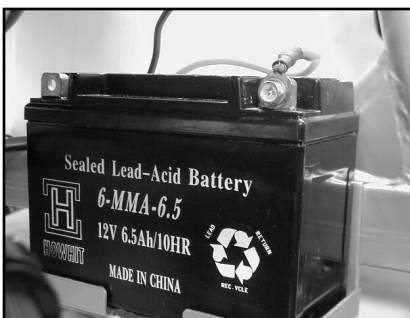


FIGURE 29

- Once battery is firmly seated in gray tray with rubber mat under it, attach the red positive wire to the red positive terminal on the battery. **(see figure 29)**



FIGURE 30

- Then attach the black negative wire to the black negative terminal on the battery. **(see figure 30)**
- Place grey plastic battery cover on top of the battery and thread wires through the cover cuts – outs. Finally, secure the battery with the wide black rubber strap using the hooks on both ends. **(see figure 31 and 32)**



FIGURE 31

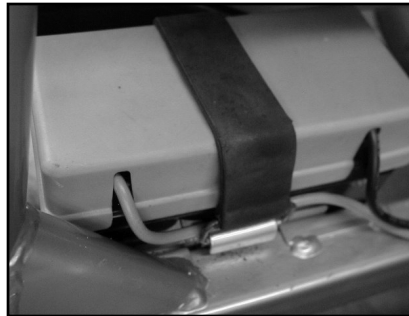


FIGURE 32

BATTERY CHARGING

Note: Use a battery charger with 2 amps or less.

Charging Rate: 0.7 A x 5 ~ 10 h

(Charge for 5 – 10 hours @ 0.7 Amps)

- Remove the wide, black battery cover strap and the gray battery cover.
- First remove the black negative y lead from the battery.
- Then remove the red positive ~ lead from the battery.
- Remove the battery from the battery tray.
- Check the battery voltage with a meter.
- If the voltage reading is below 12.3V, recharge the battery.

Battery Service Limit:

Fully charged 12.8 V
Needs charging 12.3 V

- How to charge the battery:

Connect the red positive (+) cable to the red positive (+) pole of the battery.



Connect the black negative (-) cable to the black negative (-) pole of the battery.



Note: Always keep the battery clean. Apply dielectric grease around the battery terminals to prevent corrosion.

WARNING

- **DO NOT** open sealed caps to add water to battery.
- Always wear safety glasses and charge in a ventilated area.
- If battery gets hot to the touch, discontinue charging and allow battery to cool down.
- Do not use fast charging unless it is an emergency.
- At the beginning or end of charging, turn off the charger first, in order to prevent electric spark and explosion.
- Charge in a well ventilated area.
- **DO NOT** smoke around batteries and keep away from open flame.

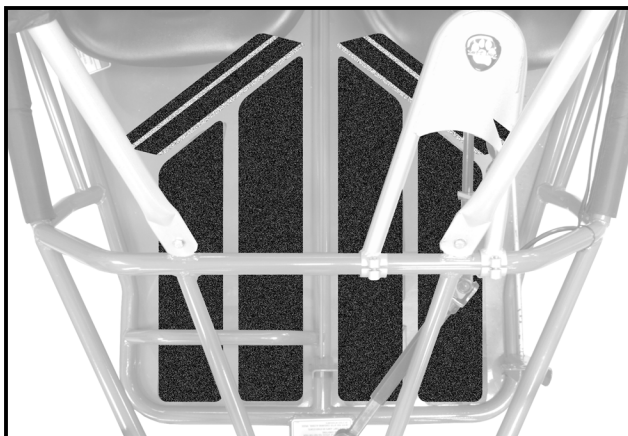
BATTERY REPLACEMENT:

- Remove old battery. Mark which cable is connected to the positive terminal ≈ and which cable is connected to the negative y terminal.
- Clean cable connectors with wire brush or sandpaper to remove oxidation.
- After charging, install new battery. Put dielectric grease on the battery terminals to avoid corrosion. Connect cables to the proper terminals. Positive cable to positive terminal ≈ and negative cable to negative terminal y.
- Positive ≈ cable is red and larger in diameter. Negative y cable is black and smaller of the two in diameter. **CONNECT NEGATIVE CABLE LAST.**
- Torque terminal bolts to 40 in. / lbs.
- Place rubber pad in bottom of battery tray.
- Securely fasten battery to the vehicle using cover and strap.

WARNING

- To avoid possibility of explosion, always connect battery cable in the order specified: **RED** first; **BLACK** last. An exploding battery can cause serious injury or death.
- Batteries contain sulfuric acid.
- Always shield eyes with protective eyewear when working around battery acid.
- Battery acid is poisonous and can cause severe burns.
- **DO NOT** smoke around batteries and keep away from open flame.

ASSEMBLY AND INSTALLATION INSTRUCTIONS



Attach **Grip Tape** (p/n 05596) to the go-kart floorboard as shown in the illustration.

STEERING COLUMN / STEERING WHEEL ASSEMBLY

STEERING WHEEL HARDWARE

Description	QTY
Bolt: 1/4" x 1-3/4" (H32503W)	3
Nut: 1/4" Nylock (001203P)	3
Screw (H32505W)	1
BOLT: 8mm x 1-1/4" (05705)	4
Washer: 8mm x 12mm	4

Estimated assembly time: 10 min

All hardware can be found in your hardware bag.

TOOLS REQUIRED

6 mm Allen wrench
7/16" socket
7/16" ratchet (1/4" drive recommended)
7/16" combination wrench



The steering column comes partially assembled from the factory.

Loosen the allen bolts that connect the steering section. Adjust angle of steering column to fit seated driver comfortably before re-tightening allen bolts.



Align steering wheel with front wheel direction and slide 1/4" x 1-3/4" hex bolts through holes in steering wheel. Insert Assembly through holes of steering shaft. Attach with 1/4" Nylock NUTS. Tighten all BOLTS/NUTS (Do not overtighten, overtightening will crush the plastic housing and result in an uneven steering wheel position). Locate Center Cap in the seat belt hardware bag Place Center Cap over center of steering wheel. Attach with phillips head screw.

SEAT AND SEAT BELT INSTALLATION

Estimated assembly time: 20 min

All hardware can be found in your hardware bag.

SEAT BELT HARDWARE

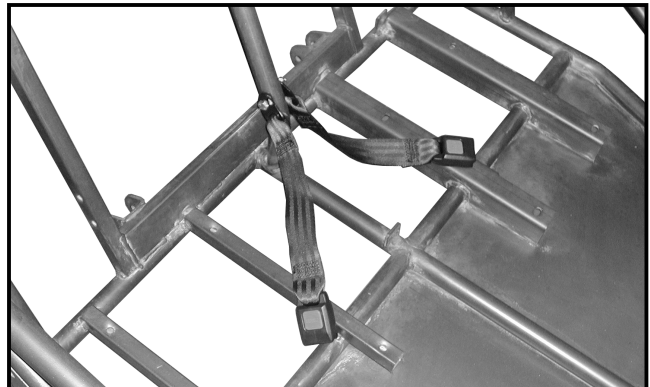
Description	Qty
(Female)	
Bolt - 3/8" x 2" (2200010)	1
Nut - 3/8" (001205P)	1
(Male) (Shoulder Belt)	
Bolt - 5/16" x 2 1/4" Bolt (00996)	2
Nut - 5/16" Nylock (HH1256T)	2

SEAT HARDWARE

Description	Qty
(Driver's Side)	
Bolt - 5/16" x 1" (2200040)	4
WASHER - 5/16" FLAT (001618P)	16
Nut - 5/16" Nylock (HH1256T)	4
(Passenger's Side)	
Bolt - 5/16" x 1-1/2" (2200030)	4
WASHER - 5/16" FLAT (001618P)	4

TOOLS REQUIRED

9/16" Socket
9/16" Ratchet (1/4" drive recommended)
9/16" Combination Wrench
1/2" Socket
1/2" Ratchet (1/4" drive recommended)
1/2" Combination Wrench



SEAT BELT INSTALLATION (FEMALE ENDS)

For ease of installation it is important to attach the female seat belts before installing the seats. Attach both passenger and driver belts to the go-kart frame, placing one seat belt end on either side of the vertical tube, using (1) 3/8" x 2" bolt and (1) 3/8" nylock nut. Make sure that the red release button will be on top for occupant use.

BACK OF SEAT

FRONT OF SEAT



Fixed Seat Rail
(06243)

Adjustable Seat Rail
(06242)

DRIVER SEAT ADJUSTMENT RAILS

Note: Both driver and passenger seats are identical. Attach the seat rails to the driver's seat bottom using (4) 5/16"x1" bolts, adding (2) 5/16" flat washers between the seat and seat rails.

Note: The passenger seat does not have adjustable seat rails.

Note: Be careful not to over tighten bolts.

TIP



The seat rail adjustment sliders on the seat adjustment rails (76) can be moved forward or backward to reveal square mounting holes.

To move the slide on the rail with the adjustment lever, press outward on the lever.



DRIVER SEAT SHOWN

DRIVER SEAT

Align the threaded studs on the bottom of the seat rail assembly with the seat bracket holes on the go kart frame. Attach using (4) 5/16" nylock nuts and (4) 5/16" Flat Washers.

Note: leave left rear nut off for seat belt assembly (see below).

Before fully tightening nuts, test seat slide mechanism. If rails are aligned incorrectly, the seat forward / backward adjustment will not operate. Loosen and adjust rail alignment to frame and tighten.



DRIVER SEAT SHOWN

PASSENGER SEAT

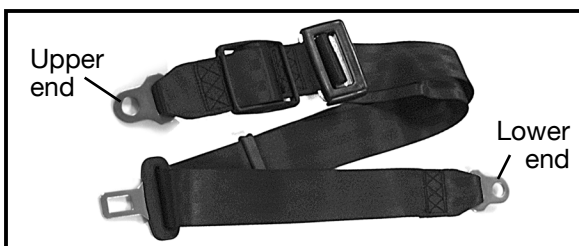
Align the threaded holes on the bottom of the seat with the holes on the Go-Kart frame. Attach the seat assembly using (4) 5/16" flat washers and (4) 5/16" x 1-1/2" bolts (below the seat rails).

Note: Leave right rear bolt off for seat belt assembly (see below)

DRIVER SIDE SHOULDER BELT

Attach lower end of shoulder belt, onto the rear-threaded stud under the driver's seat, using a 5/16" Washer and 5/16" Bolt. (Below the rail).

Note: The washer should be between the belt and bolt head.



Upper end

Lower end

PASSENGER SIDE SHOULDER BELT

Attach lower end of shoulder belt under the passenger's seat (below the rail) using the right rear bolt that attaches the seat. Fasten using 5/16" washer and bolt below the belt.

NOTE: The upper end of the **DRIVER AND PASSENGER SHOULDER BELTS** cannot be attached until the Cargo Rack is installed. Directions for the upper end of the shoulder belt will follow in the CARGO RACK ATTACHMENT section.

BRUSH GUARD ASSEMBLY INSTRUCTIONS

TOOLS REQUIRED

1/2" Socket
1/2" Ratchet (1/4" drive recommended)
1/2" Combination Wrench

Estimated assembly time: 60 min
All hardware can be found in your hardware bag.

Note: Do not tighten BOLTS or NUTS until all pieces of the brush guard are assembled.

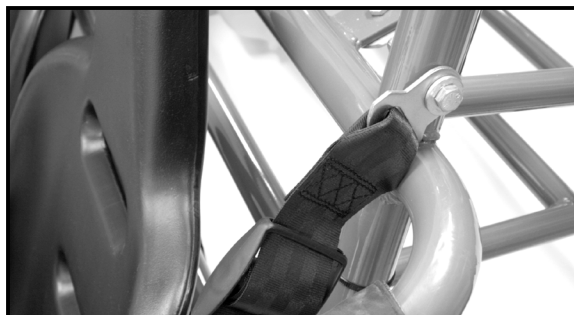
BRUSH GUARD HARDWARE

Description	QTY
Brushguards	
Bolt - 5/16" x 1 3/4" (2200080)	4
Bolt - 5/16" x 2-1/4" (01400)	2
Bolt - 5/16" x 1" (2200040)	8
Nut - 5/16" Nylock (HH1256T)	14
Fuel Tank	
Bolt - 5/16" x 3/4" (05198)	2
Lock Washer - 5/16" (000891P)	2



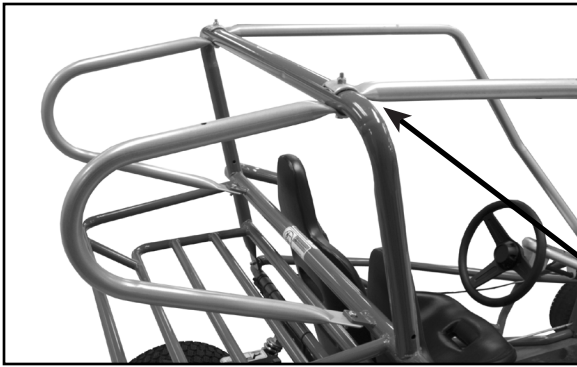
CARGO RACK

Attach rack to Go-kart frame using (4) 5/16" x 1" bolts and (4) 5/16" nylock nuts.



SHOULDER BELT ATTACHMENT

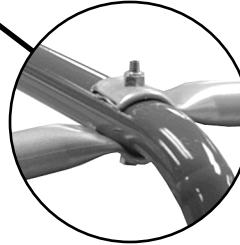
Attach both driver and passenger shoulder belts to the Cargo Rack using (2) 5/16"x 2-1/4" bolts, (2) 5/16" Nylock nuts and (2) 5/16" washers.



MAIN BRUSH GUARDS

The main brush guards consist of **two front brush guards** (left and right), **two rear brush guards** (left and right) and two cross members.

Attach the rear brush guards at the bottom using (2) 5/16" x 1" bolts and (2) 5/16" nylock nuts.



NOTE:

The front and rear brush guards are connected at the top of the cargo rack using the same bolt and nut (5/16" x 2-1/4" bolt and 5/16" nylock nut per side).

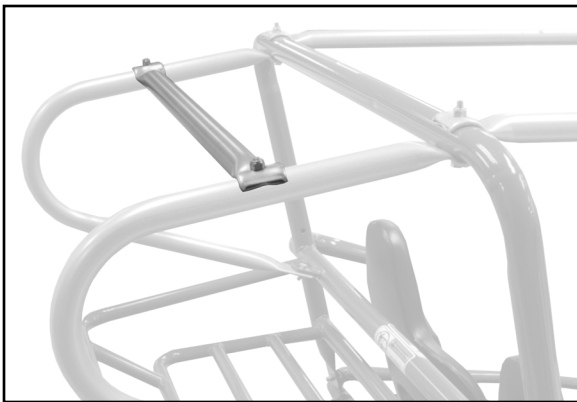


Attach front brush guards at front of go-kart using (2) 5/16" x 1" bolts and (2) 5/16" nylock nuts.

Attach the rear and front brush guards at the top of the cargo rack as shown in illustration. The rear brush guards should be under the cargo rack tubing and the front brush guards should be on top of the cargo rack tubing.

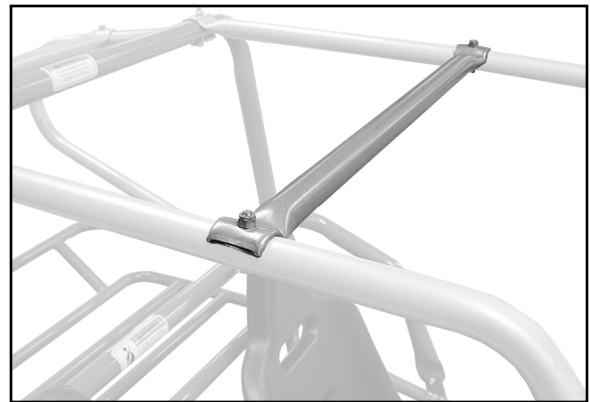
REAR BRUSH GUARD CROSS MEMBER ATTACHMENT

Attach using (2) 5/16" x 1-3/4" bolts (H33135W) and (2) nylock nuts (HH1256T).



FRONT BRUSH GUARD CROSS MEMBER ATTACHMENT

Attach using (2) 5/16" x 1-3/4" bolts (H33135W) and (2) nylock nuts (HH1256T).



FUEL TANK AND HOSE ATTACHMENT



FUEL TANK ATTACHMENT

Attach fuel tank (P/N 02224) to cargo rack at the passenger side rear, below the two hanging metal flanges using (2) 5/16" x 3/4" bolts and (2) 5/16" lock washers.

Note: Do not overtighten.

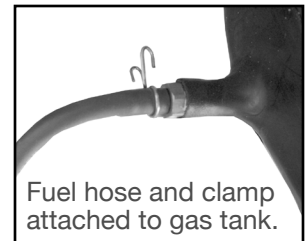
Note: Fuel capacity = 1 gallon



FUEL HOSE ATTACHMENT

There are three hoses in close proximity to the carburetor. To make certain that the correct hose is connected to the fuel tank, locate the hose that is already attached to the carburetor (at the bottom, driver's side of the carburetor). This hose will be in close proximity to the air filter box. The remaining hoses are used for vacuum and venting purposes.

Two hose clamps can be found on the fuel hose. One is used for securing the fuel hose to the carburetor (please do not remove this clamp). The second is used for securing the fuel hose to the fuel tank.



Attach fuel hose to fuel tank. Insure that the fuel hose extends beyond the barbed nipple of the fuel tank insert and is flush against the side wall.

Position the hose clamp (P/N 06069) over end of hose.

Note: Check for leaks.

To properly check for leaks - fill tank with fuel, crank engine and let it run for a few seconds to get fuel into the fuel line, kill engine, and then check for leaks.

HEADLIGHT ASSEMBLY INSTRUCTIONS

HEADLIGHT ATTACHMENT

Attach headlights to front crossmember using bolts and nuts provided with headlights.

Note: When spacing headlights on crossmember, allow enough space for the center foam wrap (see page 22).

TOOLS REQUIRED

Phillips screwdriver

Estimated assembly time: 25 min
All headlight hardware can be found in the headlight bag.

Front Headlights Kit
(P/N 05547)



HEADLIGHT WIRING HARNESS ATTACHMENT

The headlight wiring harness is located just behind the driver's seat.

Cut wire tie from harness (**Caution: Be carefull not to cut the wires**) and route harness as shown. Use wire ties provided to secure harness to brush gaurd.



CONNECTING THE HEADLIGHTS TO THE WIRING HARNESS

The wiring harness contains one RED wire and one BLACK wire (both with female plugs).

Plug male end of RED splitter into the RED wire from the wiring harness.

Plug male end of BLACK splitter into the BLACK wire from the wiring harness.

Each headlight has one RED wire and one BLACK wire (all four wires have male plugs).

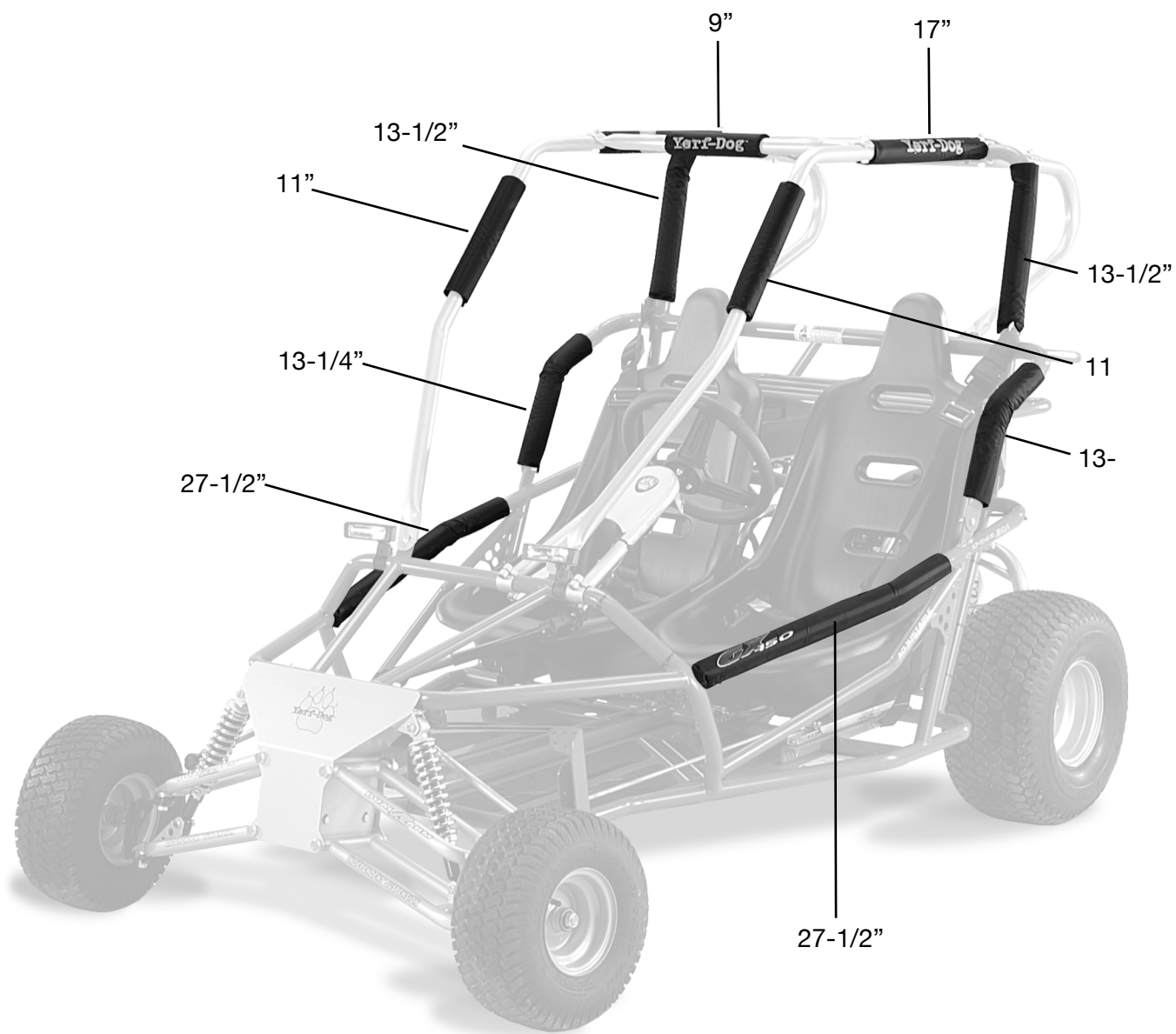
Plug the RED wire (one from each headlight) into the female ends of RED splitter.

Plug the BLACK wire (one from each headlight) into the female ends of BLACK splitter.

FOAM PADDING PLACEMENT

Attach foam padding (P/N 05597) to the go-kart as shown in the illustration.

Estimated assembly time: 15 min



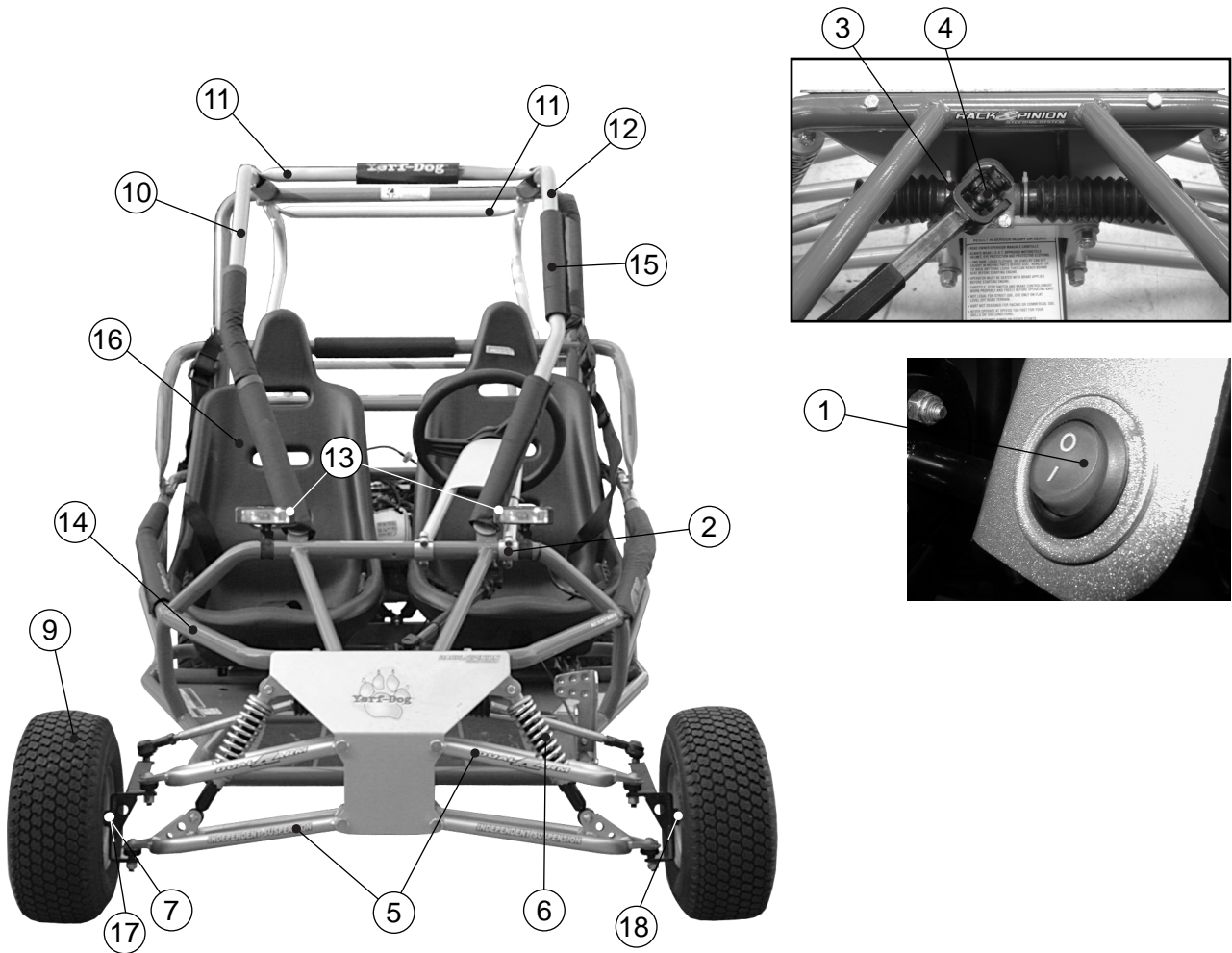
SUGGESTED DECAL PLACEMENT

Decal Sheet (P/N 02202)
Grip Tape (P/N 05596)
Paw Decal (P/N 02207)

Estimated time: 25 min

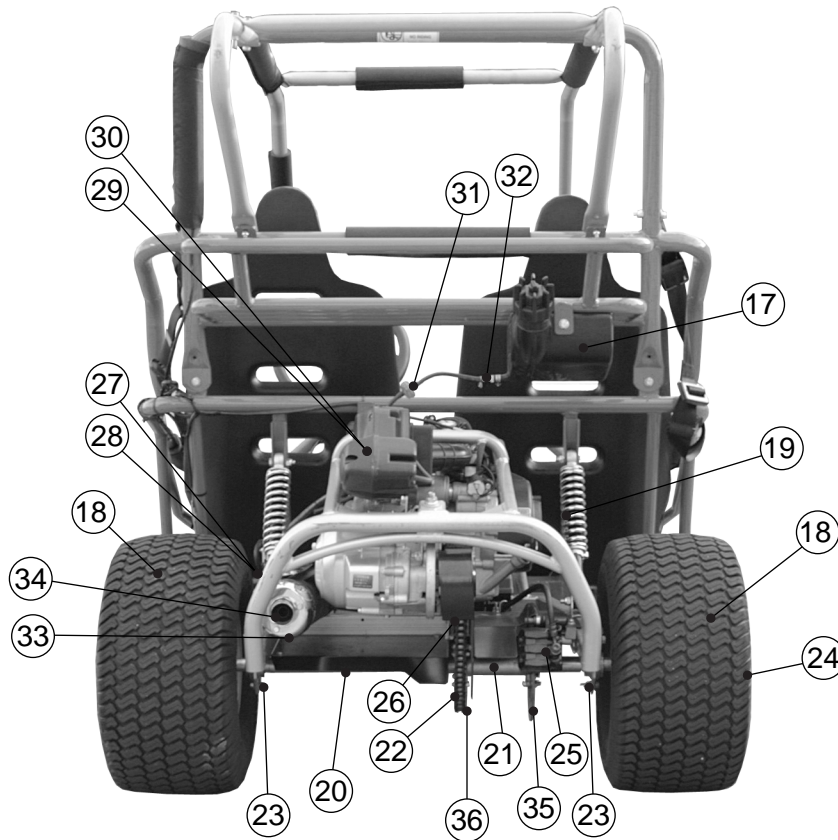


MODEL 3209 REPLACEMENT PARTS IDENTIFICATION



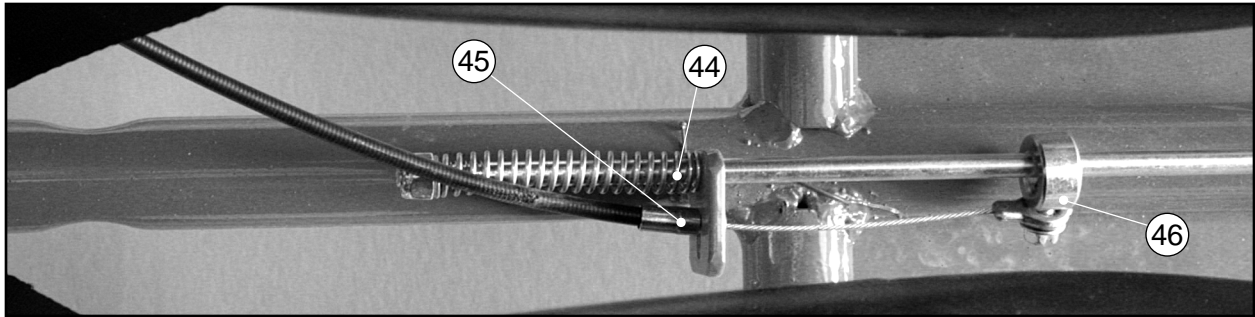
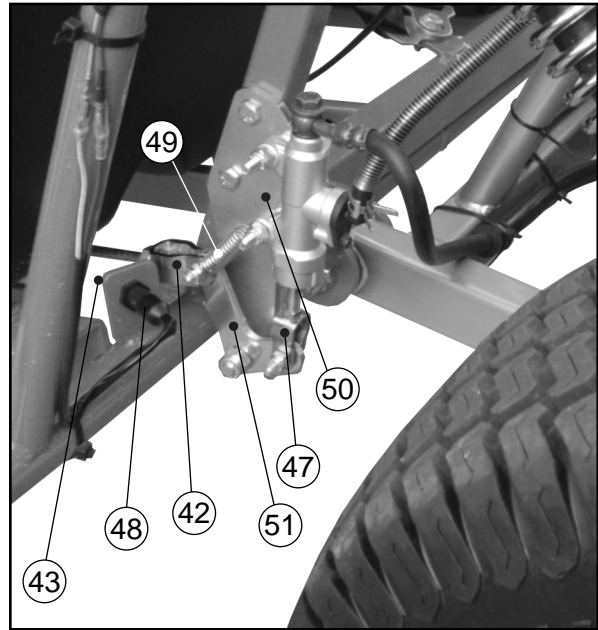
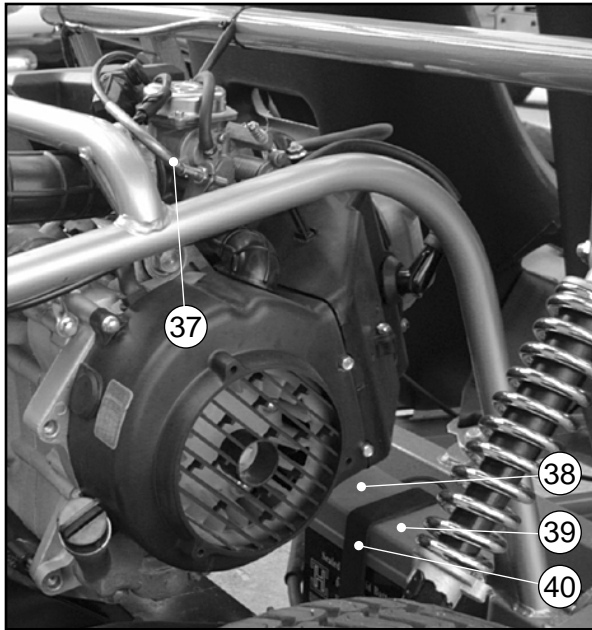
ITEM	PART #	DESCRIPTION
1	02251	ON-OFF SWITCH (GREEN)
2	05634	ASSY;CLAMP STEERING HOOP
3	05635	ASSY;RACK & PINION W/TIE
4	05636	UNIVERSAL U JOINT
5	02290	ASSY;FRONT END WITHOUT SPINDLES
6	06019	SHOCK;FRONT;9-3/4";175LB
7	00513	1" ZINC SPACER
9	02451	ASSY;WHEEL;FRONT;TURF
10	05541	TUBE;FRONT;RIGHT;BGUARD;
11	05544	TUBE;BRUSH GUARD;CROSS;SILVER
12	05621	TUBE;FRONT;LEFT;BGUARD;SILVER
13	05547	HEADLIGHTS;FRONT
14	06109	WLDMT;CHASSIS COMPLETE;RED
15	05597	WRAP;VINYL;FOAM;KIT
16	05595	SEAT;BUCKET;ROTOCAST
17	06288	SPINDLE; PASSENGER SIDE
18	06287	SPINDLE; DRIVER'S SIDE

MODEL 3209 REPLACEMENT PARTS IDENTIFICATION



ITEM	PART #	DESCRIPTION
17	02224	GAS TANK
18	05642	ASSY;WHEEL;REAR;20";NO H
19	05630	SHOCK;BACK;12"L
20	02243	ASSY;DRIVE TRAIN
21	05720	AXLE;RR;DRV TRN;FRAME
22	05721	SPROCKET;31 T;DRV TRN;FR
23	05725	BERNG BAS;RAD BALL;DRV T
24	05728	RR;HUB;W/STUD;DRV TRN;FR
25	05739	BRAKE PADS
26	05784	DRIVE SPROCKET_13T
27	05796	HEAT SHIELD
28	05798	EX. PIPE ASSY.
29	05860	AIR CLEANER
30	05861	ELEMENT COMP AIR CLEANER
31	06049	FILTER;FUEL;OPAQUE
32	06069	CLAMP;WIRE;FUEL FILTER
33	05795	MUFFLER CAP
34	05799	GASKET, EX. PIPE
35	05706	BRAKE DISC
36	05707	DRIVE CHAIN

MODEL 3209 REPLACEMENT PARTS IDENTIFICATION



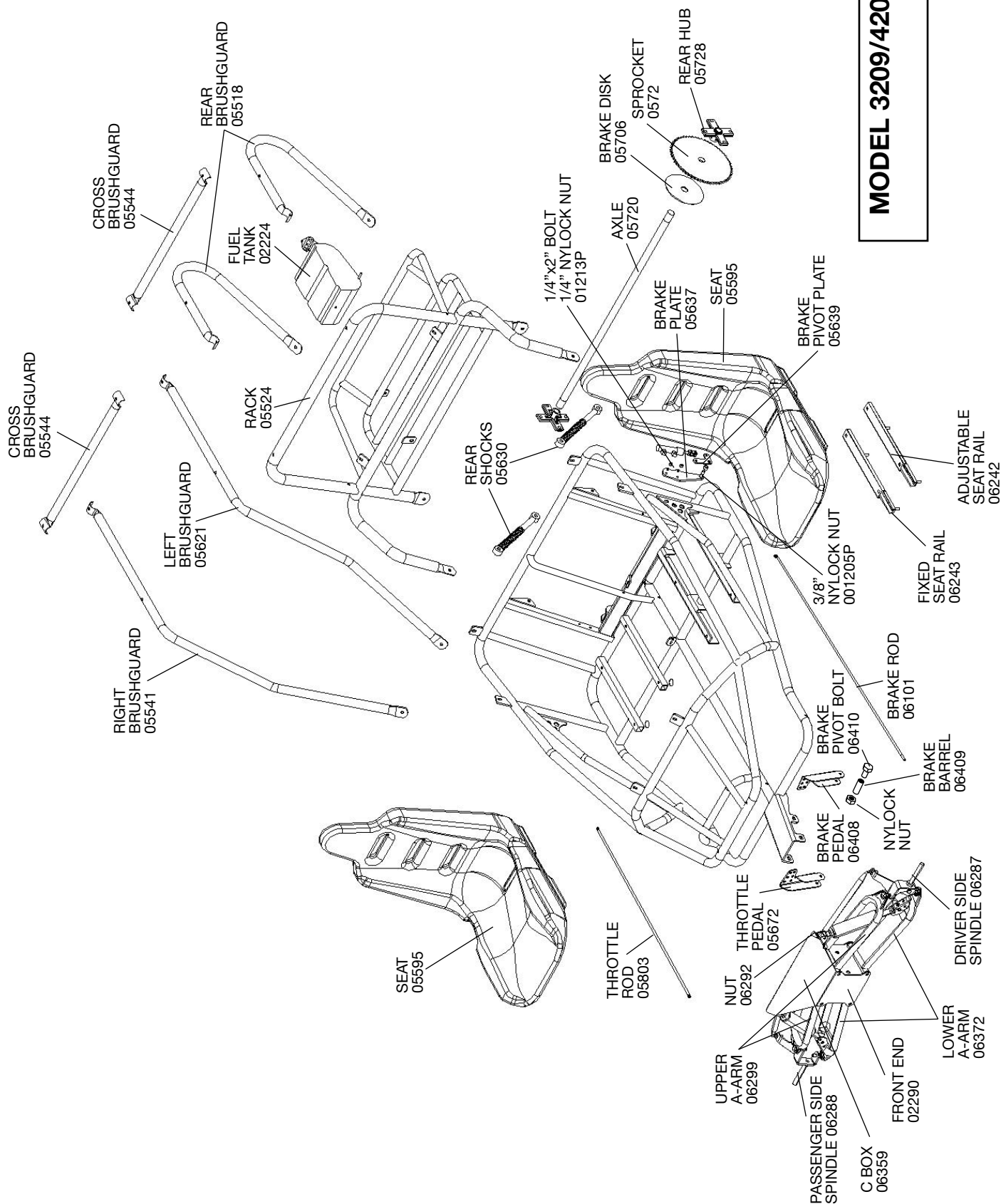
ITEM	PART #	DESCRIPTION
37	03185	CABLE;THROTTLE
38	02246	BATTERY
39	05774	BATTERY COVER
40	05775	BATTERY STRAP
42	05969	CLEVIS;BRAKE;ROD
43	06055	SPRING;BRAKE;SWITCH
44	H55030W	SPRING;COMP;1/2X3.0;CZ
45	H91470W	RING;RETAINING;1/4";CZ
46	H91480W	COLLAR;7/16 BORE X 7/8 O
47	05737	CLEVIS;BRAKE;8MM;DRV TRN
48	05710	BRAKE INTERLOCK SWITCH
49	04147	SPRING;BRAKE;RETURN
50	05637	PLATE;BRAKE;MASTER;CYLINDER
51	05639	PLATE;BRAKE PIVOT

MODEL 3209 REPLACEMENT PARTS IDENTIFICATION



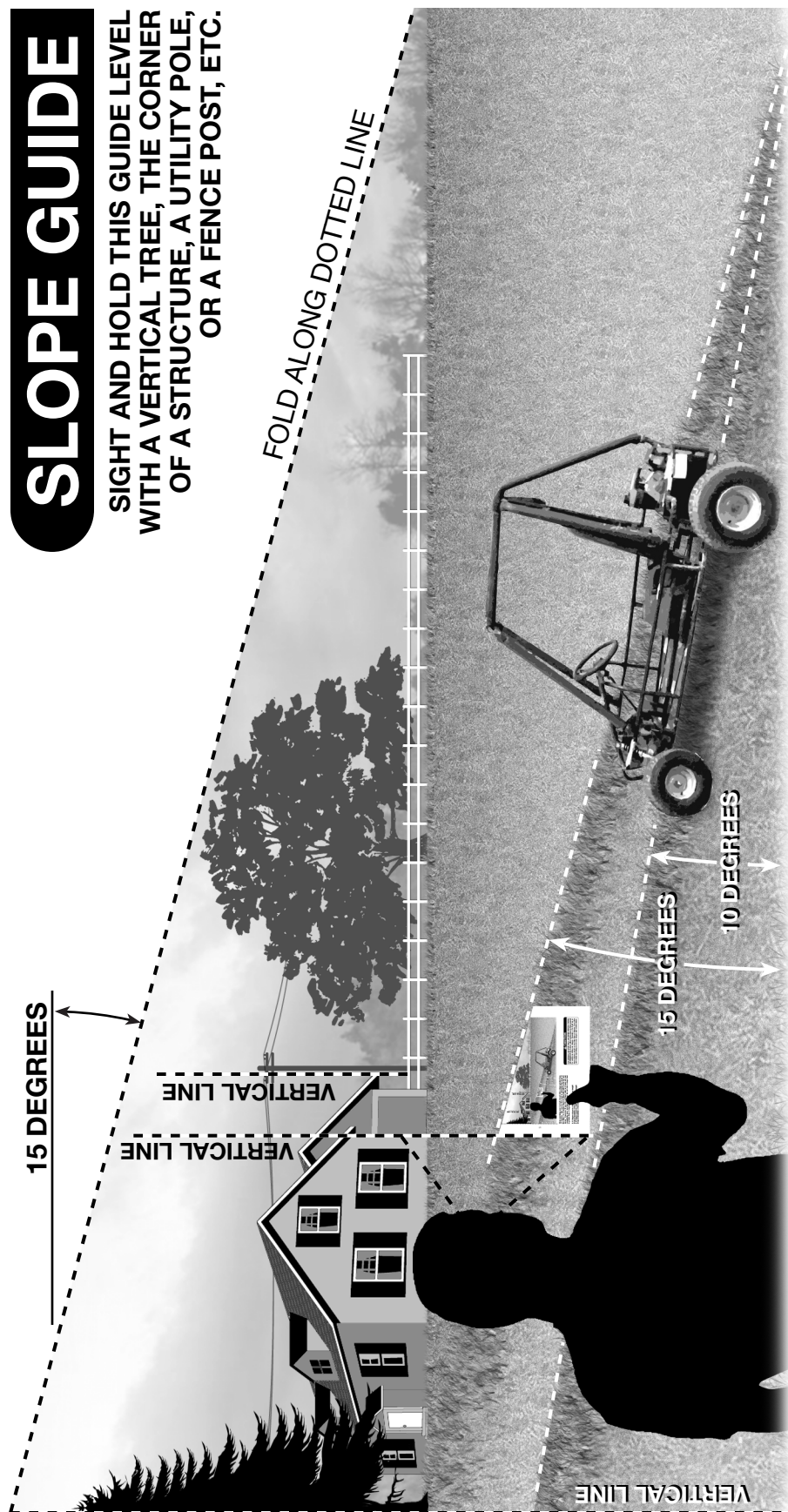
ITEM	PART #	DESCRIPTION
52	05518	TUBE;REAR;BRUSHGUARD;SILVER
53	06107	WLDMT;RACK;RED
54	05803	ROD;THROTTLE;ZINC
55	05942	ROD;BRAKE;THRD BOTH END;
56	05812	ASSY;STEERING;WHL;12-3/4
57	05640	STEERING SECTION
58	05672	PEDAL;THROTTLE;1-1/4";32
59	06408	PEDAL;BRAKE;1-1/4"
60	02250	ENGINE START SWITCH (RED)
		MISCELLANEOUS
	03174	BAG;HDWR;SEAT;BELT/RAIL;
	06480	ASSY;OWNERS PACKET

MODEL 3209/4209



SLOPE GUIDE

SIGHT AND HOLD THIS GUIDE LEVEL WITH A VERTICAL TREE, THE CORNER OF A STRUCTURE, A UTILITY POLE, OR A FENCE POST, ETC.



When operating your Go-Kart, do not ride a slope greater than 15 degrees. You can use this page to determine the angle of the slope. A 15 degree slope is generally safe to ride up and down. However, if you do not feel safe or if you are not completely sure, use this guide and do not ride a slope that is greater than 15 degrees.

A 15 degree slope is a hill that increases in height at approximately 2.5 feet in 10 feet.

A 10 degree slope is a hill that increases in height at approximately 1.7 feet in 10 feet.

⚠ CAUTION

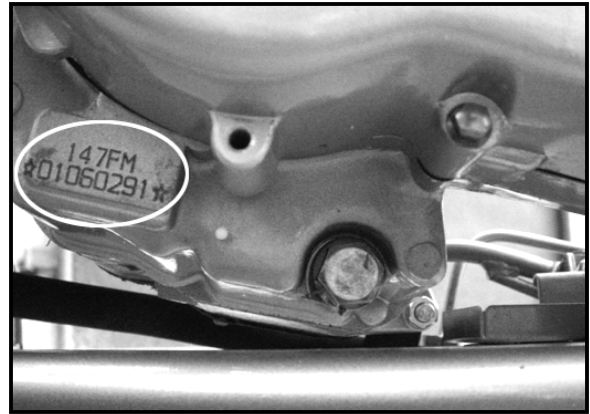
Use extreme care at all times, and AVOID SUDDEN TURNS OR MANEUVERS. Follow other instructions in this manual for safety in riding on slopes. Operate a Go-Kart up or down slopes, never across the face of slopes. Use extra care when operating on or near slopes and obstructions.

DRIVETRAIN SERVICE SECTION

MODEL IDENTIFICATION

ENGINE NUMBER

The engine number is located on the lower front left side of the engine cases.



FUEL AND OIL RECOMMENDATIONS

In order to ensure proper operation of the kart only the specified fuel and oil should be used.

FUEL

- Gasoline should be 85 to 93 octane or higher.
- Only use unleaded gasoline.

WARNING

- To avoid serious burn or injury, always take caution when working with gasoline.
- DO NOT refuel when engine is hot.
- Always refuel with the engine stopped and outdoors or in a well-ventilated area.
- Be sure to tighten fuel cap after refueling.
- Avoid all spilling.
- If you get gasoline on your skin or clothing immediately wash it off with soap and water and change clothing.
- DO NOT smoke around gas container or go kart and keep away from open flame.
- Follow all gasoline producer directions.

ENGINE OIL

- API Classification SF – SG (SAE 10W – 40) motor oil should be used.

GEAR OIL

- API Classification GL – 5, GL – 4, GL – 3 (SAE 80W – 90) gear oil should be used.

Note: SAE is an oil weight viscosity classification standard.

PRE-RIDE INSPECTION

The pre-ride inspection is a series of quick and easy steps that must be performed to prevent damage to the kart and injury to the driver.

Note: The pre-ride inspection should be performed before every ride.

- Unit must be on flat, level ground.
- Check oil level. If oil is below minimum level replenish to proper level.
- Check brake fluid to ensure that it is clear colored and that the fluid level is in the minimum and maximum range.
- Check air pressure in tires. Rear Tire pressure should be 10 PSI and Front Tire pressure should be 14 PSI.
- Check to be sure the throttle is not sticking before starting the engine. Make certain that it returns quickly to the full "off" position when released.
- Visually inspect all fasteners on the kart. Take special care in identifying any loose or missing nuts and/or bolts. Do not operate kart if fasteners are missing.
- Ensure proper operation of brakes by applying pressure to brake pedal. Make sure there is a firm, solid feel in response to the pressure and that it does not "leak" down.
- Check the drive chain for proper tension. If chain is too loose or too tight, refer to drive chain tightening procedure.
- Visually inspect sprockets for broken teeth and loose fasteners.

STARTING THE ENGINE

- Always wear a helmet and other essential safety gear.
- Get in the kart slowly. Do not jump in.
- Fasten seat belt.
- Adjust seat position to comfort using lever directly in front and under seat.
- Apply brake.
- Flip green ON/OFF switch to ON position.
- With brake still depressed, start engine by pressing red starter button.

Note: Engine will not turn over unless brake pedal is depressed.

Note: Do not depress accelerator pedal prior to starting. This unit has an automatic choke and depressing the accelerator overrides the choke and makes it difficult to start.

- To immediately kill engine -- flip green ON/OFF switch to OFF position.

WARNING

- The exhaust pipe, muffler, and heat shields are very hot during and after operation. DO NOT touch them until they have cooled.
- The engine exhaust from this product contains chemicals known to cause cancer, birth defects, or other reproductive harm.

Gasoline powered engine exhaust fumes are poisonous and can cause loss of consciousness and / or death. Avoid prolonged inhalation.



BREAK-IN PROCEDURE

- For the first 2 hours of operation do not exceed 2/3 throttle.
- Do not use 100% throttle for first 10 hours of operation.
- Vary engine speed for the first 5 hours of operation.
- Change oil after first 5 hours of operation.

ENGINE

Type Forced air-cooled 4-stroke
 Engine capacity 150cc Bore x Stroke 52.4 x 57.8 mm
 Corrected Compression Ratio 9.2:1
 Carburetor Deni PD24JH
 Output Power 7.8 hp/7500 rpm
 Maximum Torque 8.0/5000.5500
 Starting Electric
 Ignition CDI
 Lubrication Force & Splash
 Transmission Automatic CVT

PERIODICAL CHECK AND SERVICES

The maintenance intervals in the following table are based upon average riding conditions. Riding in unusually dusty areas require more frequent servicing.

A: adjust
 C: clean
 L: lubricate
 R: replace
 I: inspect, clean or replace if necessary

Items	Frequency of Service				
	Initial service	Daily	Monthly	Quarterly	Yearly
Brake performance	I	I	I		
Torque of nuts and bolts	I	I	I		
Air filter				C	I
Carburetor	I		A		C
Spark plug				C,A	
Drive Chain	I	I	I	C,A,L	
Brake fluid		I		I	
Replace gearbox oil			I	R	
Battery	I			I	
Engine oil	R	I	R		
Valve clearance of engine				A	

MAINTENANCE AND TUNE-UP PROCEDURE

This section describes the servicing procedures for each item in the Periodic Maintenance requirements.

SPARK PLUG - NGK C7HSA

- Clean up the carbon around the spark plug to prevent the carbon from dropping into the cylinder when removing the spark plug.
- Remove the spark plug.
- Clean up carbon accumulation on the spark plug with a steel brush or a blade.
- Inspect the spark plug gap, in general it should be about

Spark plug gap: .024 in. ~ .028 in. (0.6 ~ 0.7mm).

Note: If the carbon accumulation and wear on the spark plug appear to be excessive, replace it with a spark plug of the same specification.

BRAKE PERFORMANCE

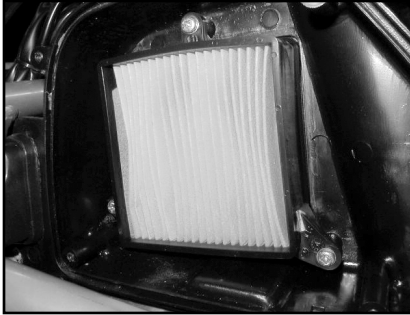
- Always check that there is plenty of brake fluid in the brake fluid reservoir.
- Ensure that the rear brake pads are in good condition.
- Check the brake rotor for abnormal wear.
- DOT 3 – 4 brake fluid



AIR FILTER

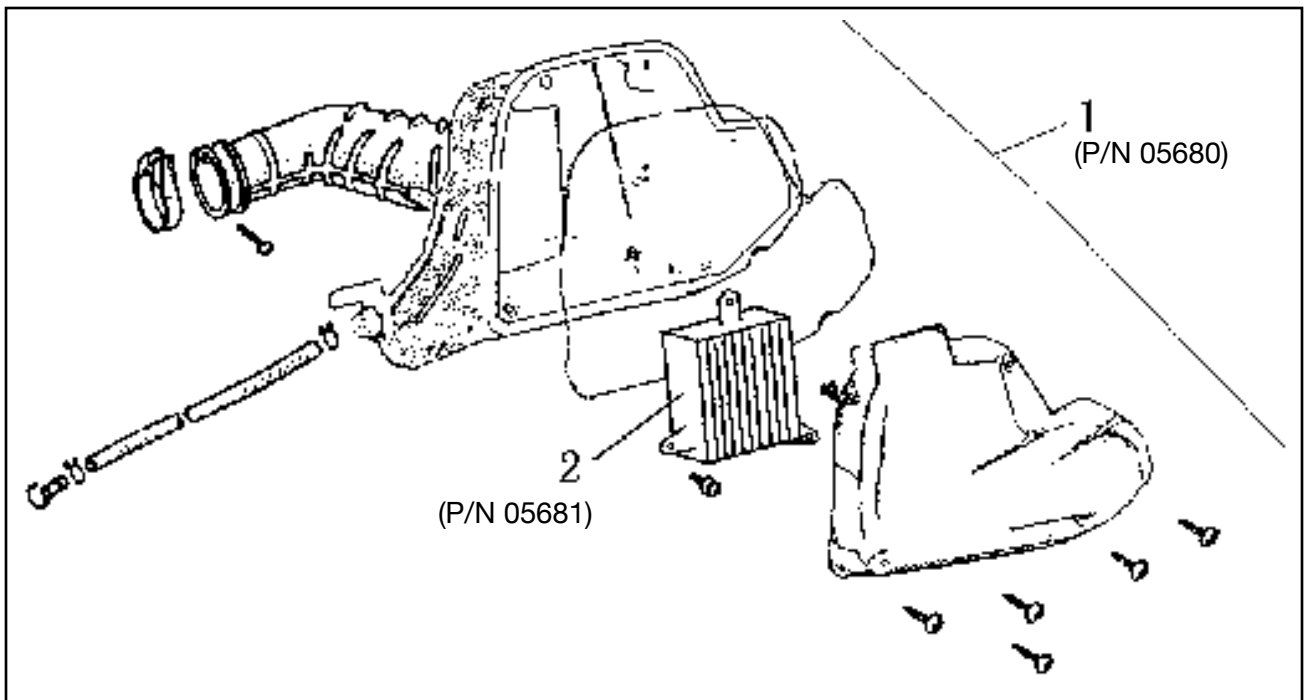
Clean at least every 3 months. More often if operating in dusty conditions.

If the air filter is clogged with dust, performance will be adversely affected and if left unserviced, engine damage can occur. Check and clean in the following manner:



- Remove the 5 screws on air filter and remove the cover. Remove the 3 screws of the air filter and remove element.

- Clean the air filter cover with mild, sudsy water. Rinse and allow to dry.
- Install a new air filter element and reattach cover. Tighten screws.



WARNING

**Before and during service, inspect the element for rips.
A torn element must be replaced.**

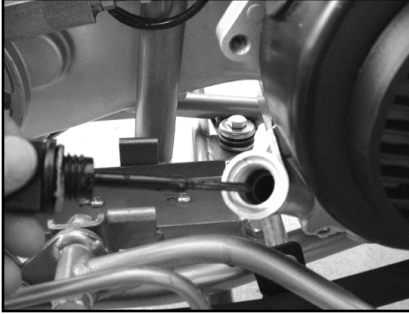
**Make sure that the element is seated properly and no
foreign material can pass by it.**

PERIODIC MAINTENANCE AND TUNE-UP PROCEDURES

ENGINE OIL: **API Classification SF – SG (SAE 10W – 40)**

Frequency: Inspect engine oil before each period of operation. Replace monthly.

CHECKING THE ENGINE OIL



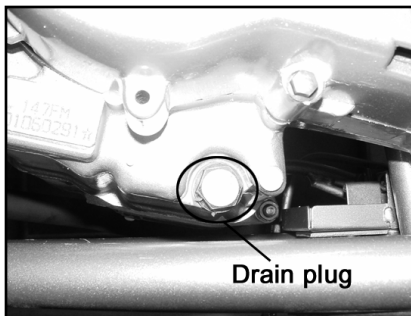
- Place unit on flat surface.
- Remove dipstick and wipe off with a clean cloth.
- Put dipstick in hole without screwing it in.
- Check oil level to see if it is between min and max indicators.
- Add oil as necessary to reach required level.

CHANGING THE ENGINE OIL



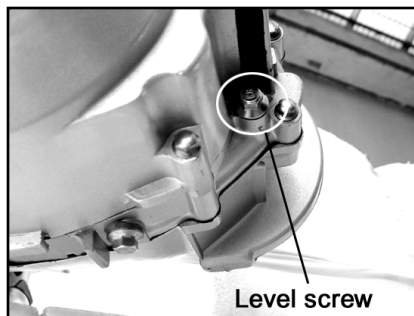
- Run unit for at least 5 minutes or until warm, shut off.
- Place suitable container for draining oil beneath engine.
 - Container should be capable of holding at least 1 gallon.
- Remove the engine drain plug, oil filter cap, spring, and oil filter screen. Drain the oil completely.

- Check condition of O-ring and filter screen for foreign material before installing.
- Install the drain plug and torque to 12 ft. / lbs.
- Fill with 25 to 31 oz. of API classification SF – SG (SAE 10W – 40) oil.
- Start engine and check for leaks.
- Shut off engine and check the oil level with dipstick, do NOT screw the dipstick in when making this check. Add oil if necessary to reach safe amount.



FINAL GEAR OIL

Inspect final gear oil level monthly and change final gear oil every 3 months.

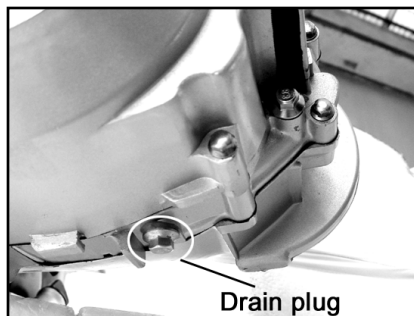


To check level, remove level screw on the left rear engine case. If gear oil does not come out of hole, add until it does.

Note:

API Service Standard GL-5, GL-4, GL-3 SAE 80W 90 gear oil is recommended in the final drive case. However, in extreme cold weather conditions it is then advised to use lighter viscosity oil, such as 75 wt.

Final drive capacity: 80cc (3 oz.)



To drain gear oil, remove the drain plug at the rear bottom of the engine case. It is recommended to warm the engine for 10 minutes or more before draining final gear oil.

BELT DRIVEN CVT MECHANISM

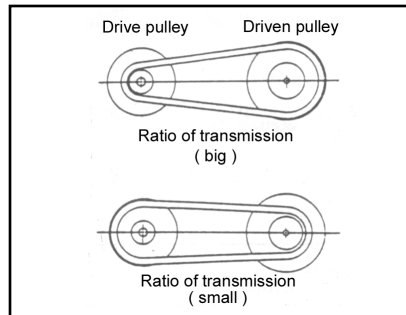
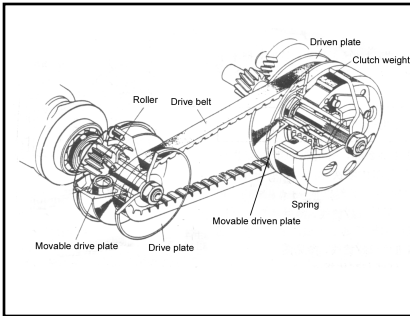
GENERAL INTRODUCTION

The belt driven CVT mechanism consists of a notched driven belt and two belt pulleys (the drive belt pulley and the driven belt pulley) whose diameter can be adjusted. The driving belt pulley is mounted on the engine crankshaft, and the driven belt pulley connects with the rear driven mechanism.

When the diameter of the driving belt pulley changes from small to big, proportionally the diameter of the driven belt pulley changes from big to small (because the perimeter of the driven belt is constant), at this time the speed increases.

LUBRICATION OF CHAIN

- Clean chain of any dirt or mud before lubricating.
- Lubricate chain after every use while chain is still warm.
- Use aerosol chain lube or 80W – 90 gear lubricant

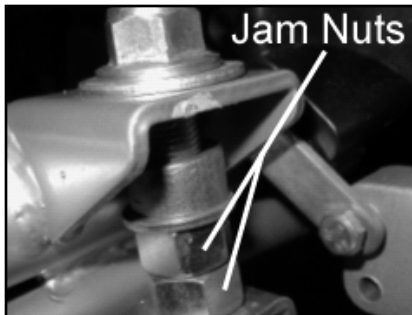


CHAIN ADJUSTMENT

Loosen the jam nuts.

Turn adjustments nut clockwise to remove deflection in chain.

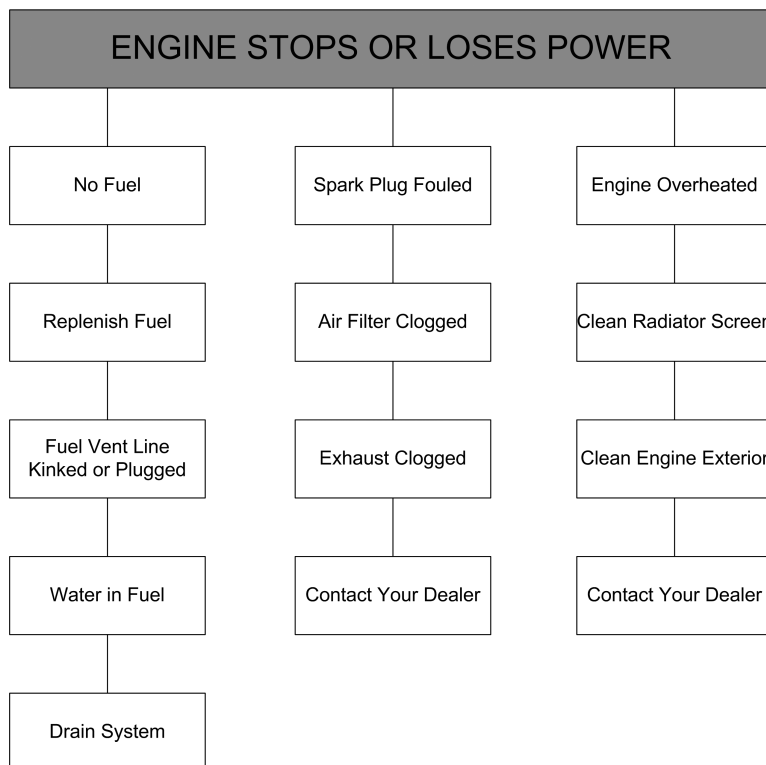
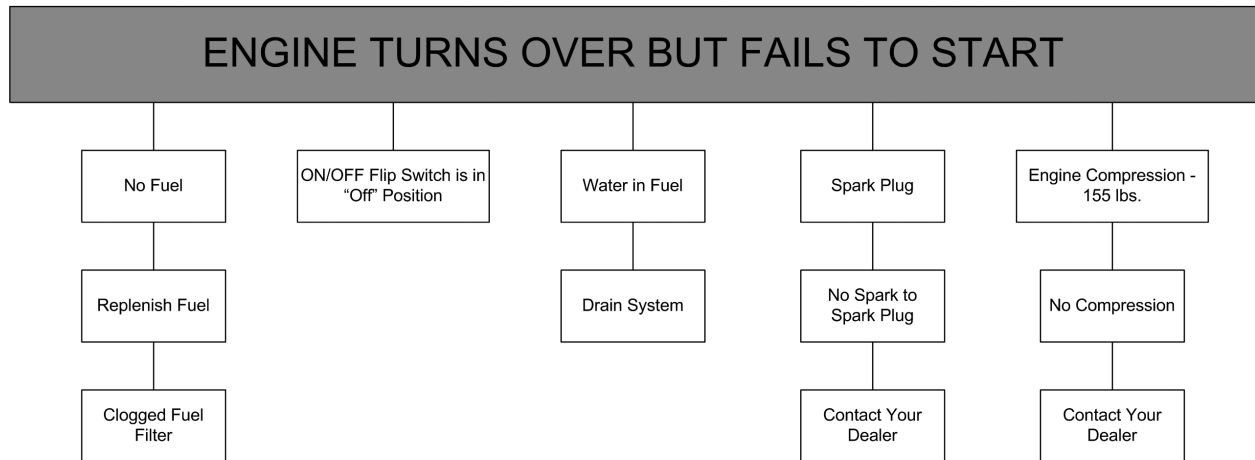
Leave 3/8 – 3/4 in. deflection in chain. Tighten jam nuts to 40 ft / lbs.



TROUBLESHOOTING

Procedures

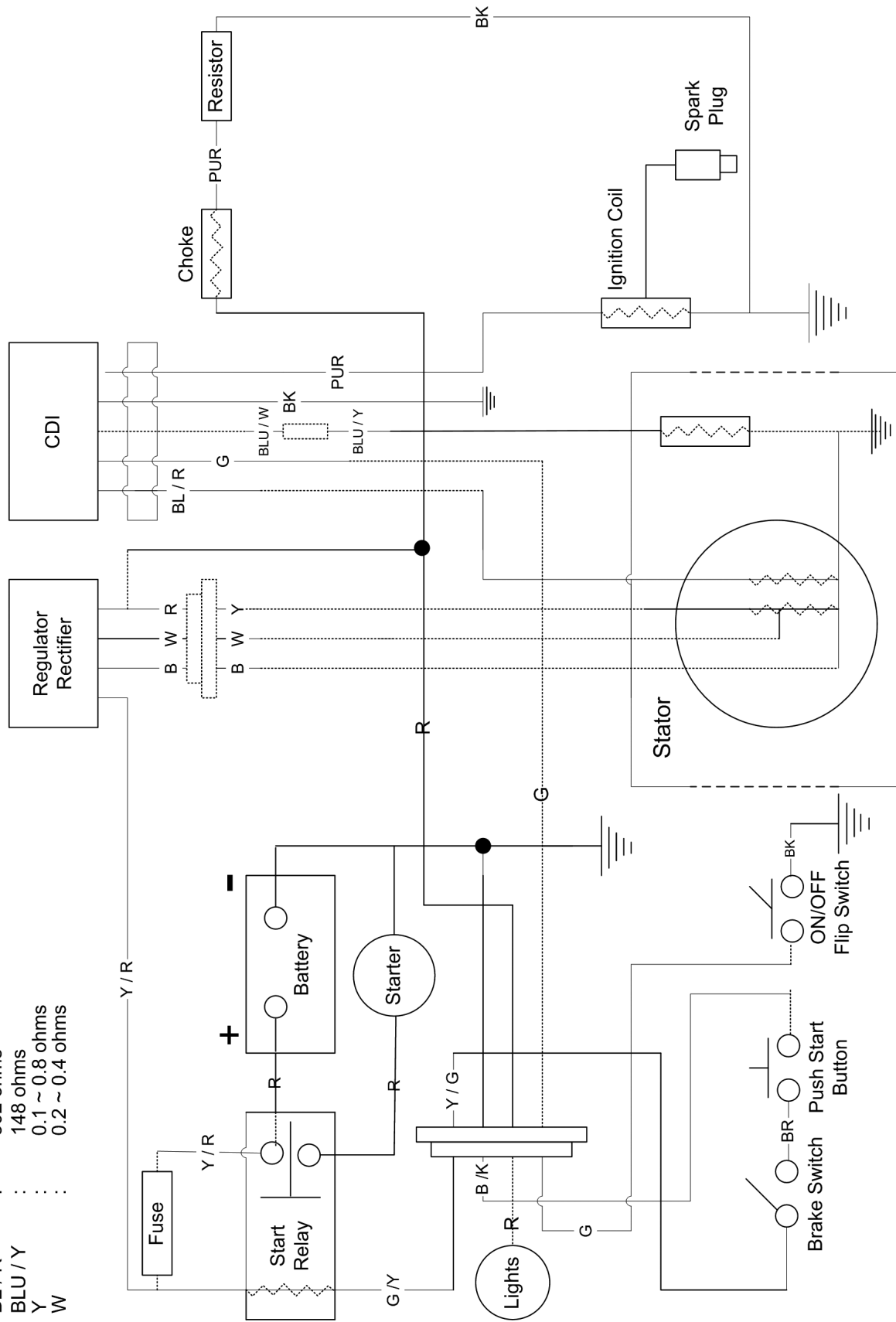
The following information is provided to help you identify probable question you may have out the operation of your go kart. See your dealer with any additional question you may have.



Spiderbox Wiring Diagram

Resistance Values: Stator

BL / R	:	502 ohms
BLU / Y	:	148 ohms
Y	:	0.1 ~ 0.8 ohms
W	:	0.2 ~ 0.4 ohms



VEHICLE REGISTRATION AND WARRANTY CONFIRMATION

IMPORTANT!

Please return this information with proof of purchase, within 10 days of purchase, to validate your warranty .

Return to:

**F.F. Acquisition Corp.
YERF-DOG Warranty Dept.
1743 South Horne #100
Mesa, Arizona 85204**

Thank you for purchasing this fine YERF-DOG product. With proper use, maintenance and service this kart will bring many years of fun and enjoyment. Please complete this vehicle registration and warranty confirmation form to ensure protection under the terms and conditions of the warranty and to verify ownership of this product.

To ensure maximum safety while operating your YERF-DOG Go-Kart, observe the following precautions:

OPERATE THIS KART OFF ROAD ONLY
OPERATOR MUST BE AT LEAST 16 OR OLDER, WEAR A D.O.T. APPROVED HELMET, PROTECTIVE EYE WEAR, HEARING PROTECTION AND CLOTHING, SECURE LONG HAIR AND LOOSE CLOTHING; KEEP ARMS, LEGS, AND FEET INSIDE THE KART
DO NOT OPERATE UNDER THE INFLUENCE OF DRUGS OR ALCOHOL

To ensure maximum owner satisfaction and understanding of this product, you should:

READ OWNERS MANUAL BEFORE OPERATING KART
REVIEW AND FULLY UNDERSTAND THE KART AND ENGINE WARRANTIES
INSPECT THE KART UPON DELIVERY
SECURE A COMPLETED COPY OF THIS CERTIFICATE FOR YOUR RECORDS

In signing this document, the purchaser acknowledges that he/she understands the warranty limitations, safety, and maintenance guidelines outlined above and in the owner's manual and, therefore, agrees that all riders/operators will adhere to these specifications.

Model No.		Serial NO.		Date of Purchase	
First Name		Initial	Last Name		
Street Address					
City			State	Zip Code	
Home Telephone Number			Parent's Signature		

(Please enclose a copy of your proof of purchase.)

CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT YOUR WARRANTY RIGHTS AND OBLIGATIONS

As the small off-road engine owner, you are responsible for the performance and required maintenance listed in your owner's manual. Yerf-Dog recommends that you retain all receipts covering maintenance of your small off-road engine, but Yerf Dog cannot deny warranty solely for lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

As the small off-road engine owner, you should however be aware that Yerf-Dog may deny warranty coverage if your small off-road engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your small off-road engine to a Yerf-Dog customer service center as soon as the problem exist. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days. If you have any questions regarding your warranty rights and responsibilities, you should contact a customer service representative at **1-888-926-6554**.

Warranty Parts List

- Carburetor • Air Cleaner Element • Intake Manifold • Spark Plug; Champion
- Ignition Coil & Magneto Assembly • Hoses, Connectors and Assemblies