

Bajaj Motorsports

DB30 Doodle Bug Mini Bike

Read this manual carefully. It contains important safety information.
No one under the age of 16 should operate this Mini Bike without adult supervision.

OWNER'S MANUAL

Minimum Age Requirement: 16
Weight capacity: 200 lbs.



Rev. D

Always wear a helmet; It could save your Life!

Please obtain, review, and follow provincial / municipal government acts and regulations pertaining to owning and operating an off-road vehicle.



Congratulations on your purchase of the Baja Motorsports DB30 Doodle Bug Mini Bike.

Your Mini bike is warranted to be free of manufacturing defects in the material of workmanship for a period of 90 days from the date of purchase. During the warranty period BAJA MOTORSPORTS, LLC will at its option, repair, provide replacement parts or replace your Baja Motorsports DB30 Doodle Bug Mini Bike at no charge. This warranty does not cover normal wear items or damage caused by neglect or misuse of the product.

Engine Warranty – 90 days

Frame Warranty – 90 days

Warranty is void if:

Frame is bent or broken due to abuse

If wheels are bent or broken

Fender bent or broken due to abuse

Any sign of impact, accident, jumping, spin-outs or roll over.

Should you experience a problem or need to return your Baja Motorsports DB30 Doodle Bug Mini Bike for repair, please call the BAJA MOTORSPORTS customer service department TOLL FREE at 1-888-863-BAJA (2252) between the hours of 7am and 5pm Monday thru Friday PST and Saturday 8am to 4pm PST. During DST hours change to MT. You will be instructed how to proceed.

A COPY OF THE SALES RECEIPT IS REQUIRED.



WARNING

This manual should be considered as a permanent part of the vehicle and should remain with the vehicle when resold or otherwise transferred to a new user or operator. The manual contains important safety information and instructions which should be read carefully before operating the vehicle. All operators should obtain, review, and follow provincial and municipal government acts and regulations pertaining to owning and operating an off-road vehicle. Children under the age of 16 should never operate this vehicle.

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SAFETY

Please read this manual and follow all instructions carefully. To emphasize the special information, the symbol ▲ and the words WARNING or CAUTION have some special meanings. Pay great attention to the messages.

▲ WARNING

Indicates a potential hazard that could result in death or injury.

CAUTION

Indicates a potential hazard that could result in vehicle damage.

NOTE: Indicating special information which is to make maintenance easier or instructions clearer.

WARNING and CAUTION are arranged like this:

▲ WARNING-or-CAUTION

The first part will identify a POTENTIAL HAZARD.

The second part will describe WHAT COULD HAPPEN if you ignore the WARNING or CAUTION.

The third part will describe HOW TO AVOID THE HAZARD.

This user's manual contains important safety and maintenance information. Read it carefully before riding. Failing to follow the warnings contained in this manual could result in INJURY or DEATH.

It is important that this manual remain with the vehicle when you transfer it to another user or owner.

All information, illustrations, photographs and specifications contained in this manual are based on the latest product information available at the time of publication. Due to improvements or other changes, there will be some discrepancies in this manual. We reserve the right to make product changes at any time, without notice and without incurring any obligation to make the same or similar changes to the vehicle previously built or sold.

SAFETY

SAFE OPERATION

Rules for Safe Operation

- A pre-operation check must be conducted, before starting the engine, insure safety, prevent mishaps, and damage to components.
- It is strongly suggested that all operators take a certified motorcycle rider's course prior to operating the vehicle.
- Full attention is required during driving; paying close attention to the following points to avoid any injury to you by other motorized vehicles:
 - Do not drive too close to other vehicles.
 - Never carry a passenger. This mini bike is for one operator only
 - Never operate this mini bike at night. Night is defined as the period of time 30 minutes before sunset to 30 minutes after sunrise.
 - Driving at high speeds is the cause of many accidents; do not drive at a speed that the actual situation does not permit.
 - This user's manual contains important safety and maintenance information. Read it carefully before riding. Failing to follow the warnings contained in this manual could result in INJURY or DEATH.
 - It is important that this manual remain with the vehicle when you transfer it to another user or owner.
 - All information, illustrations, photographs and specifications contained in this manual are based on the latest product information available at the time of publication. Due to improvements or other changes, there will be some discrepancies in this manual. We reserve the right to make product changes at any time, without notice and without incurring any obligation to make the same or similar changes to the vehicle previously built or sold
- Always avoid operating this mini bike on paved surfaces, including; sidewalks, paths, parking lots, driveways, streets, roads, and highways. Never operated this or any Off-Road Vehicle on a public street, road or highway where motor vehicles are in operation.

SAFETY

SAFETY GEAR

A DOT approved motorcycle helmet is the most important part of you safety gear. A DOT approved motorcycle helmet can help prevent a serious head injury. Choose a helmet that fits snugly. Motorcycle dealers can help in selecting a good quality helmet which fits properly.

▲ WARNING

Operating this Mini Bike without wearing an approved DOT motorcycle helmet, eye protection, and protective clothing could be hazardous.

Operating without an approved DOT motorcycle helmet or eye protection increases your chances of a severe head injury or death in an accident. Operating without protective clothing also increases your chances of severe injury in an accident.

Always wear an approved DOT motorcycle helmet which fits properly. Always wear eye protection (goggles or face shield). You should also wear gloves, boots, long sleeve shirt or jacket, and long pants.

You should wear eye protection when you ride. If a rock or a branch hits your eyes, you could be severely injured. Wear goggles or a face shield.

Wear proper clothing when you ride. The proper clothes can protect you from injury. Wear a good pair of gloves, strong boots that are over the ankle, long pants, and a long sleeve shirt.

CAUTION

Never perform any unauthorized modifications to this vehicle. Only use original replacement part which can be obtained through Baja Motorsports 888-863-2252.

SAFETY

LOCATION OF LABELS



1

WARNING

THIS VEHICLE CAN BE HAZARDOUS TO OPERATOR IF DRIVEN CARELESSLY. SERIOUS INJURIES OR DEATH CAN RESULT IF YOU DO NOT FOLLOW THESE INSTRUCTIONS:

- Read and familiarize yourself with owners manual and all labels before operating this vehicle.
- Always wear an approved motorcycle helmet, eye gear and protective clothing.
- Long hair, loose clothing or items worn by the operator must be covered to prevent them from getting caught in moving parts of the vehicle or surroundings while riding.
- All fenders and guards must be in place at all times while the vehicle is in use or serious injury may occur
- Hands, Feet and loose articles must be kept away from the engine, chain and drive components.
- Check that the throttle and brake controls work freely before starting the engine.
- Before starting the engine, operator must be seated with kickstand up.
- **NO PASSENGERS**
- This vehicle is not made for use on public streets, roads or highways and is not intended to be used in such places.
- Do not speed on this vehicle, your risk of losing control increases if you ride at speeds too fast for specific terrains.
- No person under the age of 16 should operate this vehicle without adult supervision.
- Do not jump, pop wheelies or try to perform any other stunts as they can result in serious injury or death.

2-

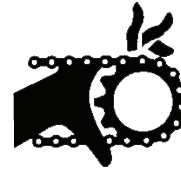
WARNING

TIRE PRESSURES

- Improper tire pressure can cause loss of control resulting in serious injury or death.
- Check pressures on all tires only when tires are cold. 4 psi (27.6 kpa)
- Remove air from tires before demounting.
- Only use replacement tires specified by manufacture.

3-

WARNING



- Moving parts can crush and cut.
- Keep hands clear.
- Do not operate with guard removed.

4-

IMPORTANT

REGULAR SERVICE PROCEDURES

1. Check oil before starting
 2. Adjust chain as necessary
 3. Clean clutch assembly every 5 hours as needed
 4. Check tire pressure.
 5. Lubricate chain.
 6. For further help, refer to trouble shooting chart.
- Do not return to retailer. Call 888-863-BAJA**

5-

STOP!

DO NOT RETURN THIS PRODUCT TO STORE.

FOR TECHNICAL SUPPORT

GO!

TO OUR WEBSITE
WWW.bajamotorsports.net

OR CALL TOLL FREE

888-863-2252

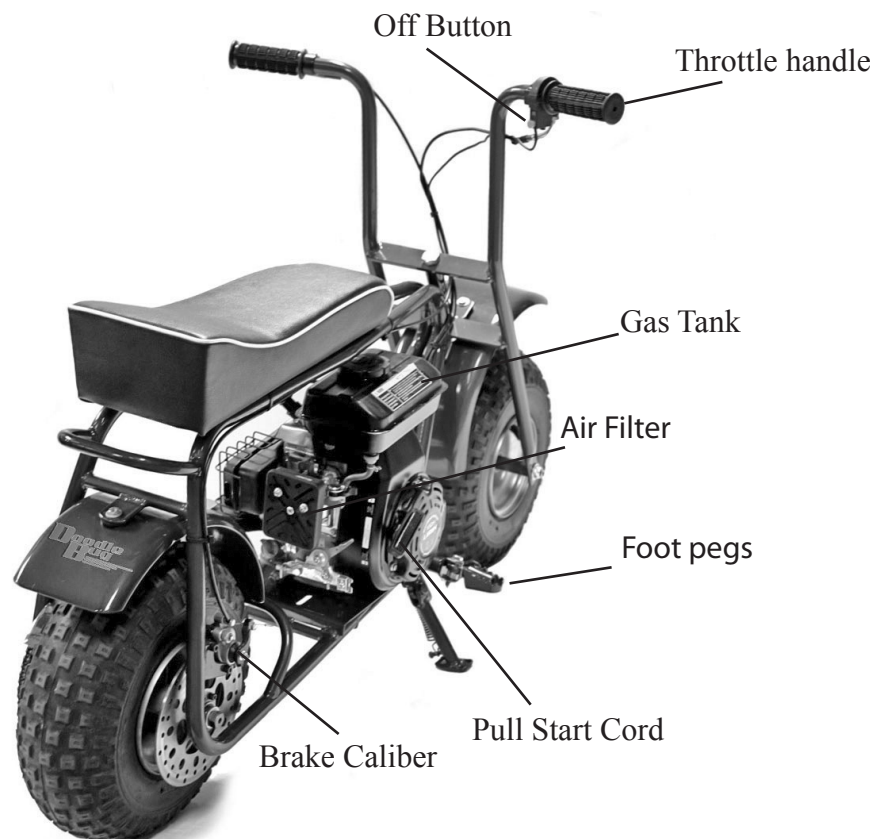
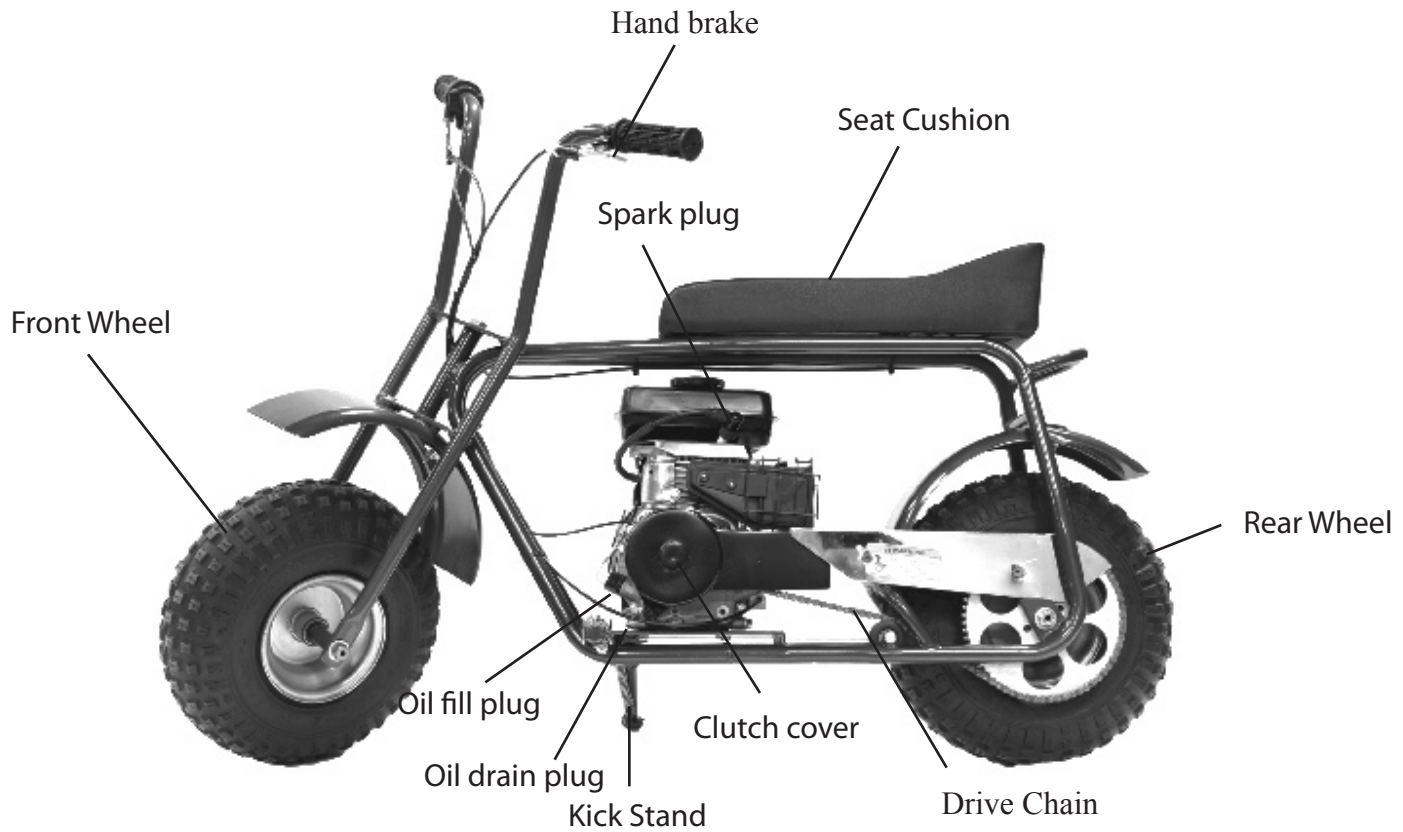
FOR THE LATEST PRODUCT INFO

SPECIFICATIONS

MAIN DATA

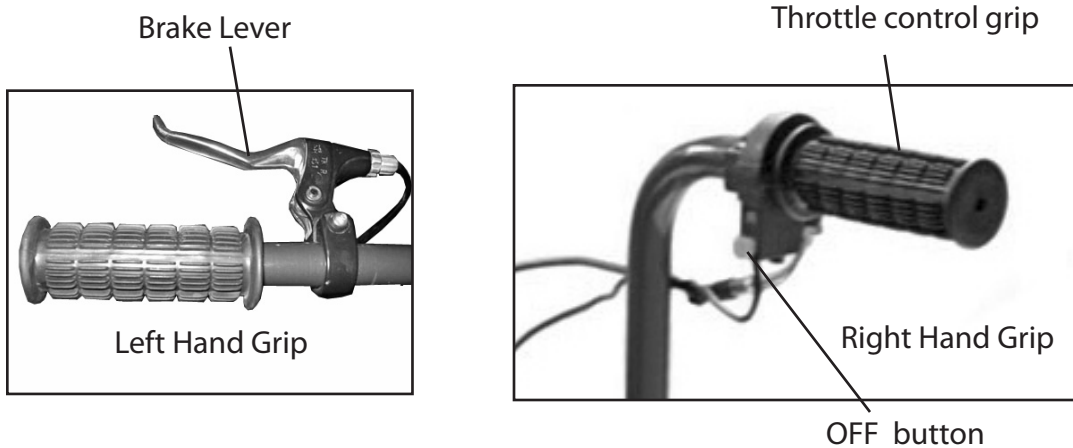
Description	Data	Description	Data
Overall length	1295mm (51 inches)	Bore x stroke	52x45
Overall width	476.2mm (18.75 inches)	PTO shaft rotation	Counter clockwise
Overall height	863.6mm (34 inches)	Displacement of cylinder	97cc
Wheelbase	927.1mm (36.5 inches)	Spark plug	NGK- 6RTF, BM4A, BMR4A
Dead weight	33.57kg (74 lbs.)	Spark plug gap	(0.6mm -0.7mm) .024 inch - .028 inch
Payload	96.7kg (200lbs)	Ground clearance	127mm (5 inches)
Front wheel	145/70-6 See specified pressure on tire	Ignition system	Non contact transistor magneto
Rear wheel	145/70-6 See specified pressure on tire	Tire Pressure	24 psi Max. to seat bead 4 psi Operating pressure
Brake Type	Disc		
Capacity of gasoline tank	1.4L (.36 gal))		
Capacity of oil tank	0.45L (.40 qt)		
Drive	Auto clutch		

LOCATION OF PARTS



OPERATION

LEFT AND RIGHT HAND GRIP OPERATION



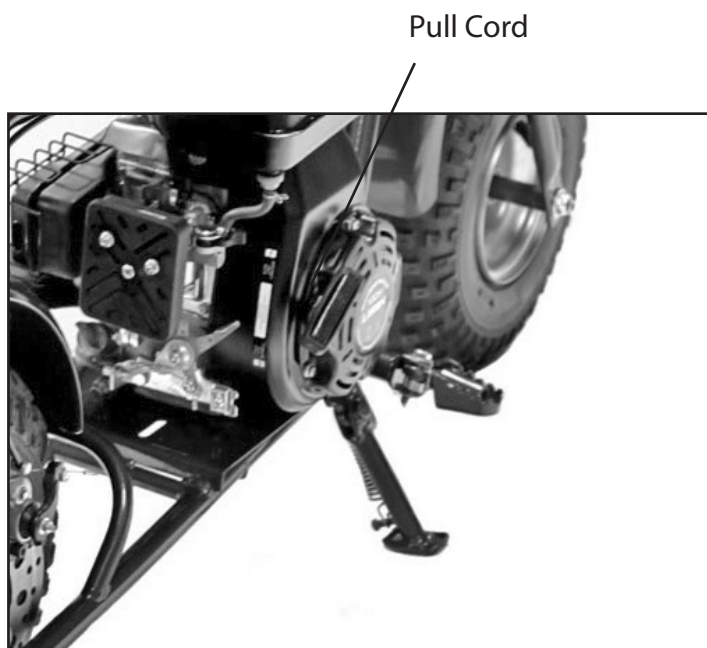
Pulling in brake lever located on left hand grip will stop mini bike.

Applying the hand throttle (moving throttle counter clockwise) will cause engine rpms to increase, causing mini bike to move forward.

Depressing "OFF" Button will turn off engine.

ENGINE PULL CORD OPERATION

Pulling the pull cord will start the engine.

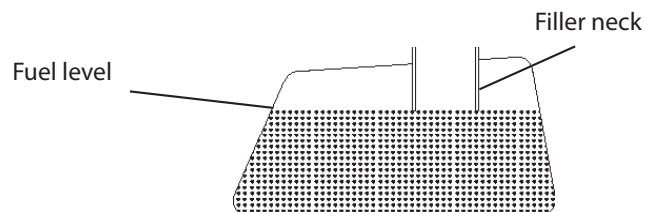


OPERATION

FUEL AND FUEL VALVE OPERATION

Fuel filling

The capacity of the fuel tank is 4.2L (.95 gal) . Unscrew the gas cap by turning it counter clockwise and carefully fill the tank with unleaded gasoline through the opening. **DO NOT MIX GAS AND OIL TOGETHER, THIS IS A 4-STROKE ENGINE.** Replace the gas cap by carefully aligning the threads on the cap and the tank and turning the cap clock wise. Wipe any spilled fuel from the dirt bike using a cloth and dispose of the cloth properly. **DO NOT SMOKE OR REFUEL THE VEHICLE NEAR OPEN FLAMES OR NEAR HEATING UNITS. ONLY REFUEL THE VEHICLE IN OPEN AREAS TO REDUCE THE LIKELIHOOD OF THE BUILD UP OF GASOLINE FUMES.**



▲ WARNING

Overfilling the fuel tank could be hazardous.

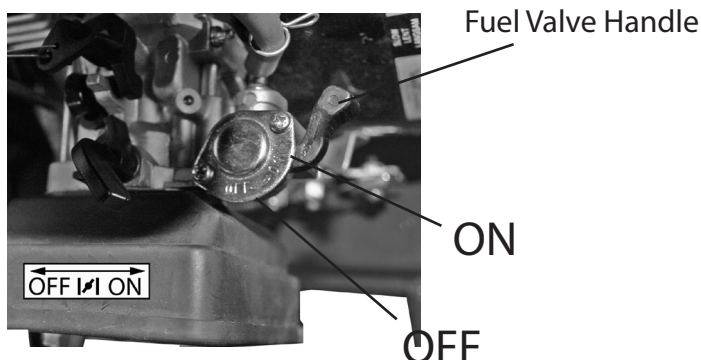
If you overfill the fuel tank, fuel may overflow when it expands. Expanding is due to heat from engine or sun. Overheated fuel could easily catch fire.

Stop adding fuel when the fuel level reaches the bottom of the filler neck.

Fuel Valve operation

ON: With the handle of the fuel valve to "ON" position, the fuel supply will flow to the carburetor. In this position the engine is able to start and run.

OFF: With the handle of the fuel valve to "OFF" position, the fuel supply is cut off to the carburetor. In this position the mini bike will not start and will not run.



INSPECTION BEFORE RIDING

ITEM TO CHECK	CONTENT
Steering	Smoothness; No restriction of movement; No play or looseness
Brakes	Proper brake lever free play; enough brake force.
Tires	Proper air pressure; Enough tread depth; No cracks, rips, or other damages Note: Check tire pressure, spec is located on side of tire.
Fuel	Enough fuel for the intended trip; Fuel hose connected securely; No damage to fuel tank or cap; Fuel tank cap closed securely
Engine stop switch	Proper operation
Engine oil	Proper level – Check oil by inspecting Engine Oil Dip Stick. The engine oil should be between the Minimum and Maximum lines.
Throttle	Proper free play of throttle lever; smooth response; quick return to idle position
General condition	Bolts and nuts are tight; no rattle from any parts of the engine when running, no visible evidence of Damage

▲ WARNING

Failing to inspect the Mini Bike before operating could be hazardous. Failing to perform proper maintenance could also be hazardous.

Failing to inspect and maintain your Mini Bike could increase the chances of an accident or equipment damage

Always inspect your Mini Bike each time before riding, and make sure it is in a safe operating condition. Refer to the INSPECTION AND MAINTENANCE section in this manual.

▲ WARNING

Operating this Mini Bike with improper tires, or improper tire air pressure could be hazardous.

If you use improper tires or improper air pressure, you may lose control of the Mini Bike. This will cause an accident.

Always use the tires with size and type tires specified in this user's manual. Always maintain proper tire air pressure as described in the INSPECTION AND MAINTENANCE section.

ENGINE STARTING AND STOPPING

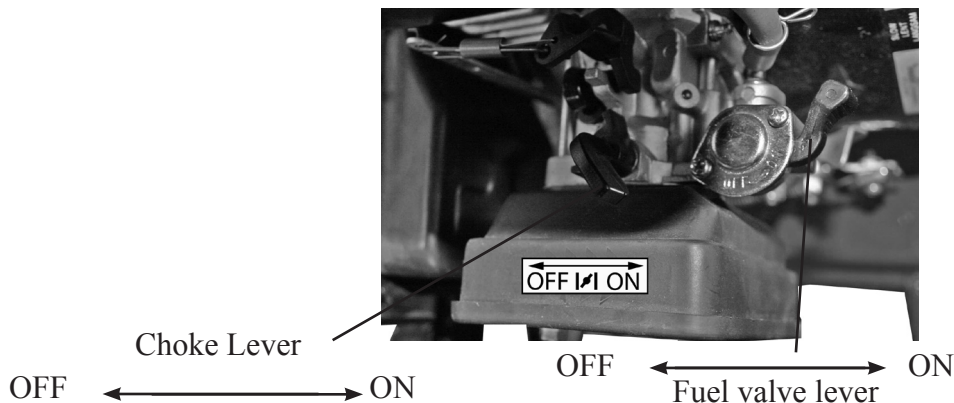
CAUTION

Verify fuel and oil level prior to starting (see page 12)
Starting the engine with low or no oil will damage the engine.

▲ WARNING

Never start the engine in a closed place as the exhausted gas from the vehicle contains toxic carbon monoxide.

1. Ensure there is fuel in fuel tank and oil in crank case.
2. Set fuel valve lever to "ON" position
3. Place choke lever in "ON" position
4. Start engine with pull start cord.
5. Allow engine to idle until engine is warm
6. Move carburetor choke lever toward "OFF" position when engine has sufficiently warmed up. Note: Engine may run ideally with choke lever placed between "ON" position and "OFF" Position.



CAUTION

Unnecessarily increasing RPM's to a high level while the Mini Bike is warming up is harmful to the engine.

Procedures for stopping engine:

1. Release throttle twist grip to slow down engine.
2. Depress stop button located on right hand grip. Depress button until engine comes to a complete stop
3. Set fuel valve lever (the fuel tank valve) handle to "OFF" position.

INSPECTION AND MAINTENANCE

CHECKING THE OIL

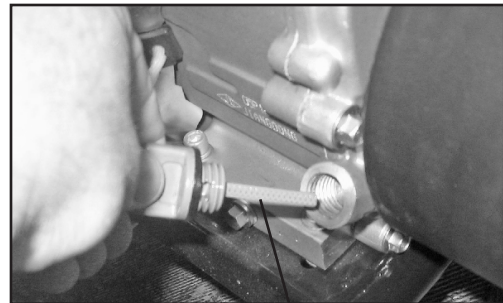
Check engine oil each time prior to operating mini bike.

The oil level should be between upper and lower lines of oil gauge.

1. Set the Mini Bike on level ground, screw off the oil gage plug, wipe the oil gage rod clean and then insert the gage plug into the crankcase again to check the oil level. There is no need to screw the oil gage plug completely in the hole to check the oil.
2. Add lubricating oil up to the edge of the fuel plug.
3. Screw oil gage plug tightly.

CAUTION

Never start the engine when there is insufficient lubricating oil. Otherwise, it will cause harm to the engine.



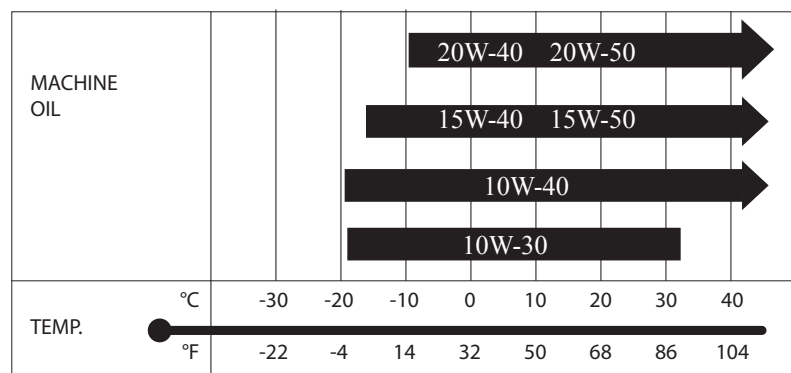
Oil dip stick

Lubricating Oil Recommended

The lubricating oil is an important factor affecting the performance and service life of the engine. Please refer to the chart for the correct grade of engine oil based on the environmental conditions in your area. Do not use any other type of oil other than what is recommended in the chart. **DO NOT MIX OIL WITH THE GASOLINE.**

.45L (.40qt) Oil

Lubricating oils of different viscosity shall be employed in different regions and at different temperatures.



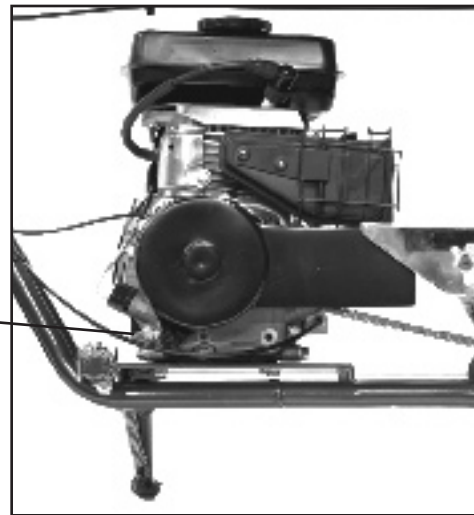
INSPECTION AND MAINTENANCE

CHANGING THE OIL

1. Remove the "Screw Plug" located at the bottom of the engine and let the oil drain into an approved collection container. **DO NOT PERFORM THIS PROCEDURE WHILE THE ENGINE IS HOT. SERIOUS BURNS COULD RESULT FROM CONTACT WITH HOT OIL.**
2. Dispose of the used oil properly. For proper disposal procedures, contact your local oil recycling center.
3. Clean and replace the "Screw Plug" tightly.
4. Refill the engine with the proper amount of oil and recheck the amount of oil in the engine by using the oil gauge plug.



Screw plug for oil draining



CHECK-UP OF SPARK PLUG

1. Remove the cap of spark plug and screw off the spark plug using the plug wrench.
2. Clean the spark plug all around or replace it if it is corroded or there is too much deposit on it.
3. Regulate the gap of the spark plug to .7mm - .79mm (.028"-.031").
3. The spark plug of the designated type should be used.
The applicable type of spark plug:

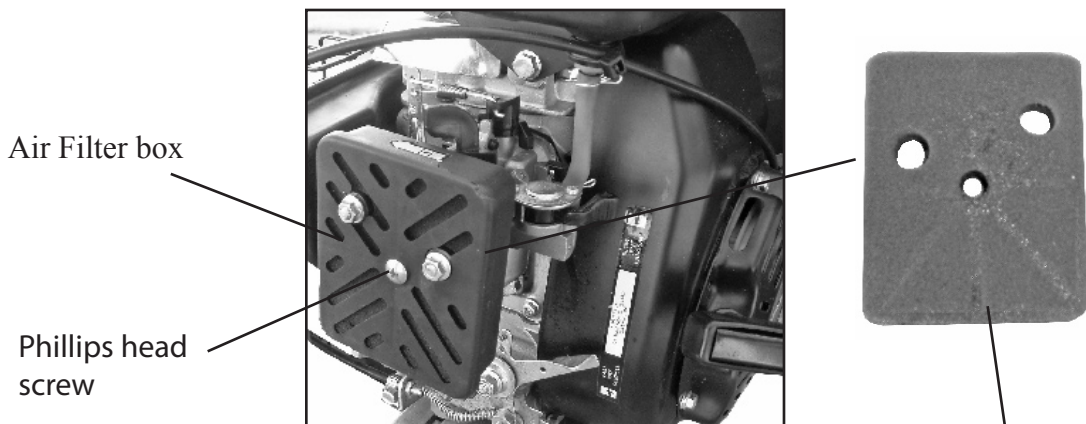
Autolite-255, AC-CS45,
Champion-CJ11,NGK-BM6A,
Bosch-WS8E



INSPECTION AND MAINTENANCE

CHECKING & CLEANING THE AIR FILTER

1. Locate Air Filter Box at rear of engine
2. Remove air filter cover by unscrewing phillips head screw
3. Remove foam Air filter element.
4. Tap Air filter element gently to remove most of the dust and dirt.
5. Wash foam element per instructions below then allow to dry thoroughly.
6. Reinstall foam air filter element.
7. Reinstall air filter cover



CAUTION

The air filter element must be intact or the engine will suck in dust and dirt, resulting in a shorter service life of the engine.

Water should be prevented from entering into the filter when washing the vehicle.

The filter element shall be cleaned gently without twisting to prevent it from cracking. Never wash it with gasoline or any acid, alkaline or organic volatile oil to avoid its aging, which will result in reducing the effect of the air filter oil to catch particles before they enter the engine. Replace the filter element with a new one if it is broken or cracked.

INSPECTION AND MAINTENANCE

ADJUSTING THE THROTTLE CABLE

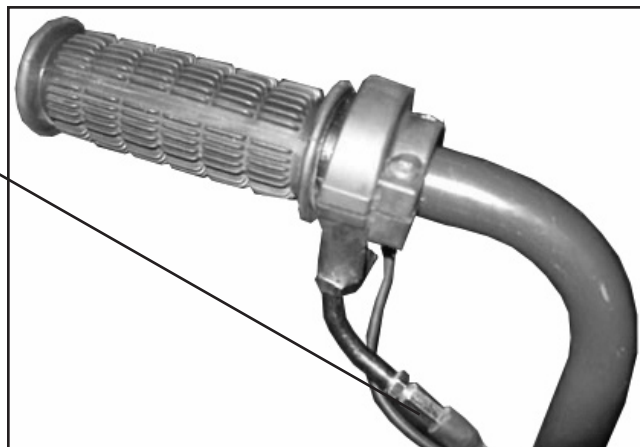
Make sure the throttle cable is adjusted properly. To adjust throttle cable, rotate adjustment nut located at the hand throttle.

Check if the throttle twist grip has the required free operating movement.

The required free operating movement: 2-6mm (.078 -.24in) . If the grip cannot be moved freely, turn the adjusting nut to ensure proper operating movement.

After adjustment, start the engine and check for the operating movement again. Repeat the adjustment if necessary until the desired operating movement is obtained.

Throttle cable adjust nut



ADJUSTING THE CARBURETOR

Adjusting procedures of idling speed:

1. Support the vehicle by a stand.
2. Adjust the idle speed by the throttle stop screw to 1400 +200 RPM
-150.

CAUTION

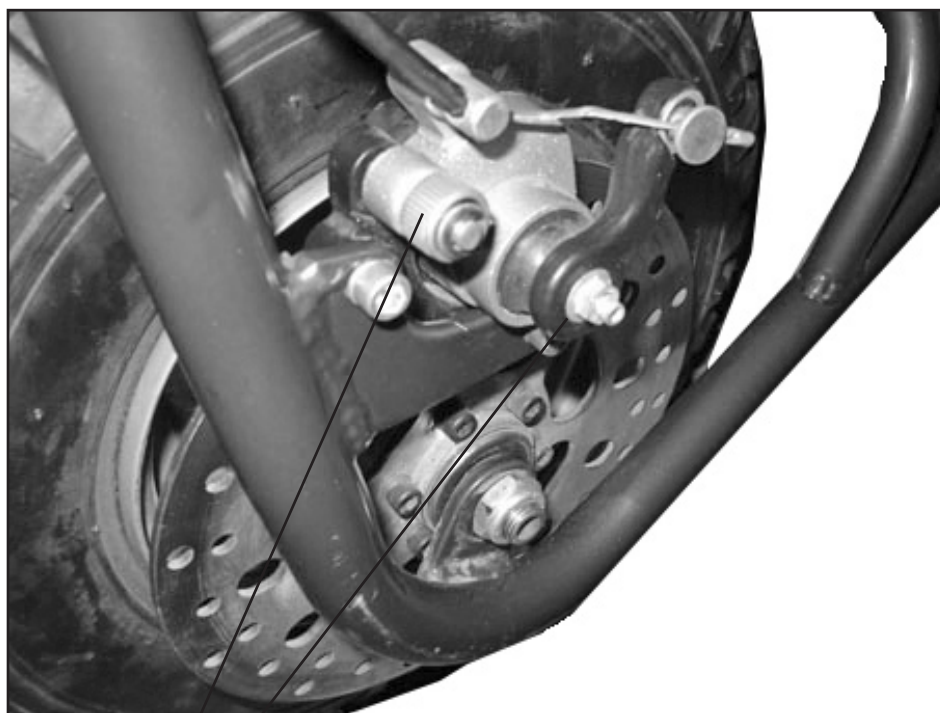
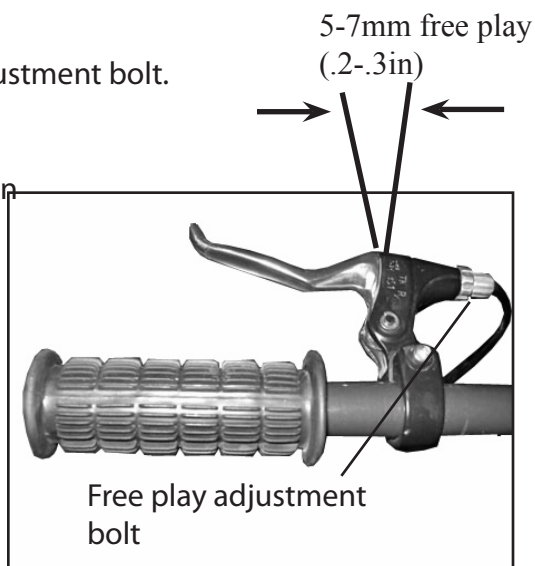
Do not try to correct a malfunctioning carburetor by adjusting the idling speed. If the carburetor is not functioning properly, it should be repaired by a service center.

Adjust idling speed only when the engine is warmed up or 10 minutes after operation.

INSPECTION AND MAINTENANCE

ADJUSTMENT OF REAR BRAKE

1. The front brake hand grip should have free operating movement of 5-7mm (.2-.3in) . Adjust with free play adjustment bolt.
2. To make rear brake pad adjustment, turn rear adjusting bolt clockwise to loosen and counter clockwise to tighten brake tension.
3. Brake pads should be replaced by a qualified service technician once brake shoes are worn .
4. Brakes are adjusted by turning in or out the rear brake adjusting bolt

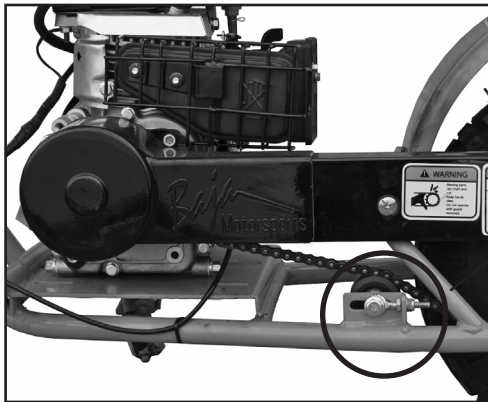


Rear brake adjusting bolt

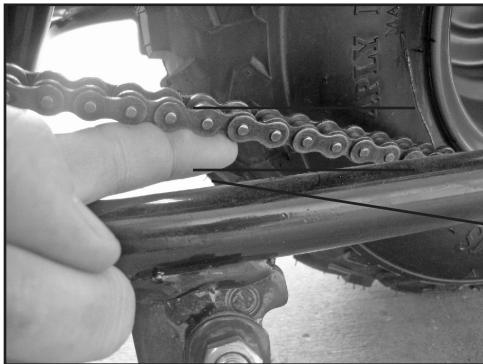
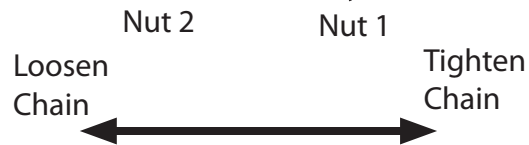
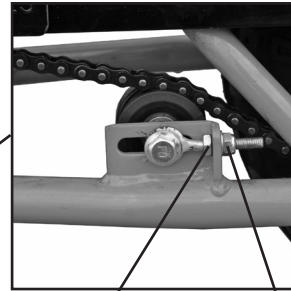
INSPECTION AND MAINTENANCE

ADJUSTMENT OF CHAIN

1. When chain adjustment is needed, loosen 4 bolts under engine.
2. Move engine forward to tighten chain or backward to loosen chain.
3. Tighten bolts under engine Torque bolts to 25 ft./lbs.
4. Repetitively check tension of chain.



Engine adjusting bolts



19-25mm
3/4 in. - 1 in.

MINOR CHAIN ADJUSTMENT

1. When minor chain adjustment is needed, loosen "Nut 2". Turn "Nut 1" clockwise to tighten chain or counterclockwise to loosen chain.
2. When adjustment is accomplished, tighten Nut 2.

GREASING PROCEDURES TO THE DRIVING CHAIN

1. Shut off the engine
2. Add light amounts of machine oil or chain grease to the driving chain. (Too much machine oil or chain grease may cause splattering to occur.)

Attention:

The chain should be replaced when the adjusting limit has reached it's maximum.

INSPECTION AND MAINTENANCE

CLUTCH CLEANING AND MAINTENANCE

After every 5 hour of use, your clutch will need cleaning and lubrication. If clutch becomes too dirty or has lack of lubrication, the clutch will have a tendency to stick. This will cause the Mini-Bike to want to take off before throttle is applied.

To clean and lubricate clutch, follow the instructions below:

1. Make sure engine is turned off and engine is cool before removing clutch cover.
2. Remove Clutch Cover
3. With compressed air, blow through holes to remove any dust and/or particles.
4. Oil Clutch bearing with a few drops of 30W motor oil **Note: Make sure oil does not get inside clutch itself.**
5. Push Mini bike forward without starting allowing oil to flow through bearing surface.
6. Re-install clutch cover

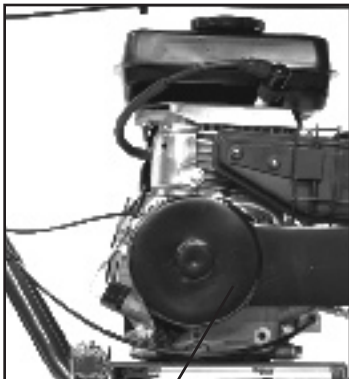
▲ WARNING

Starting engine with clutch cover removed could be hazardous

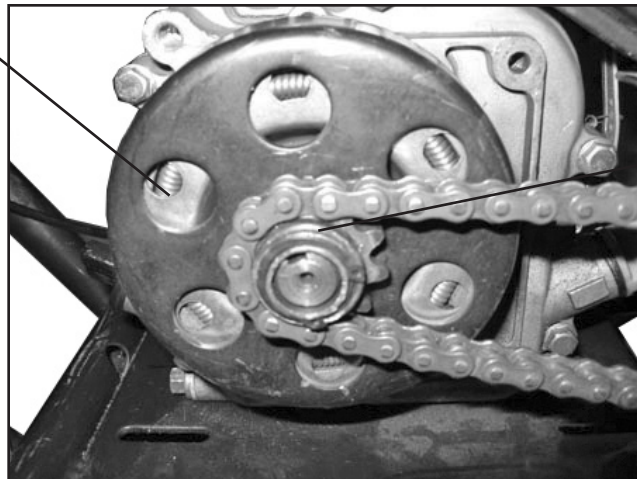
Starting engine with clutch cover removed, increases the chance of getting your person caught in moving components which could result in severe injury.

Never start Mini Bike with clutch cover removed.

Blow out clutch with compressed air through large holes



Clutch Cover



Oil Clutch here ONLY

INSPECTION AND MAINTENANCE

VEHICLE WASHING

Cleaning the vehicle regularly can slow down the color fading of its body and make it easier to check if there is any damage and any oil leakage.

CAUTION

Washing the Mini Bike with over-pressurized water may cause damage to some of its components. Therefore, do use a pressure washer to clean the vehicle. The following parts should be cleaned using low pressure water:

- Wheel hub
- Exhaust pipe
- Fuel tank and lower portion of cushion
- Carburetor
- Head lock and ignition switch
- Meters

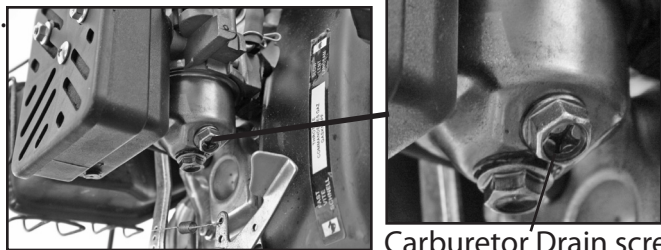
1. After pre-wiping, the vehicle should be washed with clean water to remove dirty residues so as to prevent corrosion. Plastic subassemblies should be cleaned by wiping with a cloth or foam soaked in neutral detergent solution, followed by washing with clean water.
2. After the cleaned vehicle is air dried, grease the chain and run the engine at idling speed for a few minutes.
3. Prior to driving, carefully check the braking system repeatedly and repair or adjust it if necessary.

INSPECTION AND MAINTENANCE

INSTRUCTIONS FOR STORAGE

If the vehicle is not going to be used for a long period of time, for example, in winter time, some steps should be taken to prevent malfunction of and damage to its components which might be caused by long storage. Before storing the vehicle for a long period, proper maintenance has to be carried in case maintenance is not completed when the vehicle is put back into use after storage.

1. Change engine oil.
2. Drain off fuel from the fuel tank and carburetor, spray atomized anti-rust oil onto the inside wall of the tank and then close the tank. Dispose of any drained fuel properly so as not to adversely affect the environment.



Attention:

If the storage will last for more than one month, fuel in the carburetor must be fully drained. This will help ensure that the carburetor maintains its normal performance after the storage.

▲ WARNING

Gasoline is flammable and may cause fire and even an explosion under certain conditions. Therefore, do not smoke, make a fire or have any fire around while draining off fuel.

3. Take out the spark plug, pour about 15-20ml (.5 - .68 oz.) of clean engine oil into the cylinder, step down on the kick lever repetitively several times so as to have machine oil distributed all over the engine and finally fit the spark plug back on.
4. Wash the vehicle clean, wipe it dry and apply an even coat of wax to the painted surface and a coat of anti-rust oil on the chrome-plated surfaces.
5. Inflate the tires as required and put the vehicle up on wooden blocks with the two wheels clearing the ground.
6. Put the vehicle in a shady and cool place free from humidity and direct sunlight and cover it properly (not with plastic or other painted materials). If there is a garage, store it within.

INSPECTION AND MAINTENANCE

RESUMPTION OF SERVICE AFTER STORAGE

1. Remove the covering and remove the wooden blocks used in storing the vehicle. Change the engine oil if the vehicle has been out of service for over 4 months.
2. Drain off the remaining atomized anti-rust oil from the fuel tank, followed by filling it with fresh gasoline therein.
3. Prior to driving, all the required check-ups must be made. It is better to drive it at a low speed in an open area to test its performance before normal operation.

Items of Maintenance	MAINTENANCE SCHEDULE				
	Each Use	1st Month or 20 hours	Every 3 Months or 50 hours	Every 6 Months or 100 hours	Every Year or 300 hours
Engine Oil- Check	X				
* Engine Oil - Change		X		X	
Air Filter-Check	X				
* Air Filter-Clean			X	X	
* Air Filter- Change					X
* Carburetor Sediment cup - Clean			X		
Spark Plug - Check - Adjust				X	
Spark plug - Replace					X
Idle Speed - Check, Adjust					X
** Valve Clearance - Check, Adjust					X
Fuel Tank and Filter- Clean					X
Fuel Tube - Chcek					X
Cintrifugal Clutch - Clean and Lube	X Every 5 hours operation				
All nuts and bolts - Check for tightness	X				
Chain tension - Check	X				
*Brakes - Check	X				
* Throttle - check	X				

"*" means: This item of maintenance should be carried out at a service center. It may be also done by the user with reference to this manual provided special tools and authorized spare parts are used. The user must also be capable of completing the procedure.

"**" means: This item can only be carried out by an authorized service center in order to ensure safety.

Notes:

1. Maintenance should be conducted more frequently when Mini Bike is driven in dusty areas.
2. When Mini bike has exceeded the maximum figures specified in the table, maintenance should be still cycled according to the intervals of time or hours stated herein.

TROUBLESHOOTING

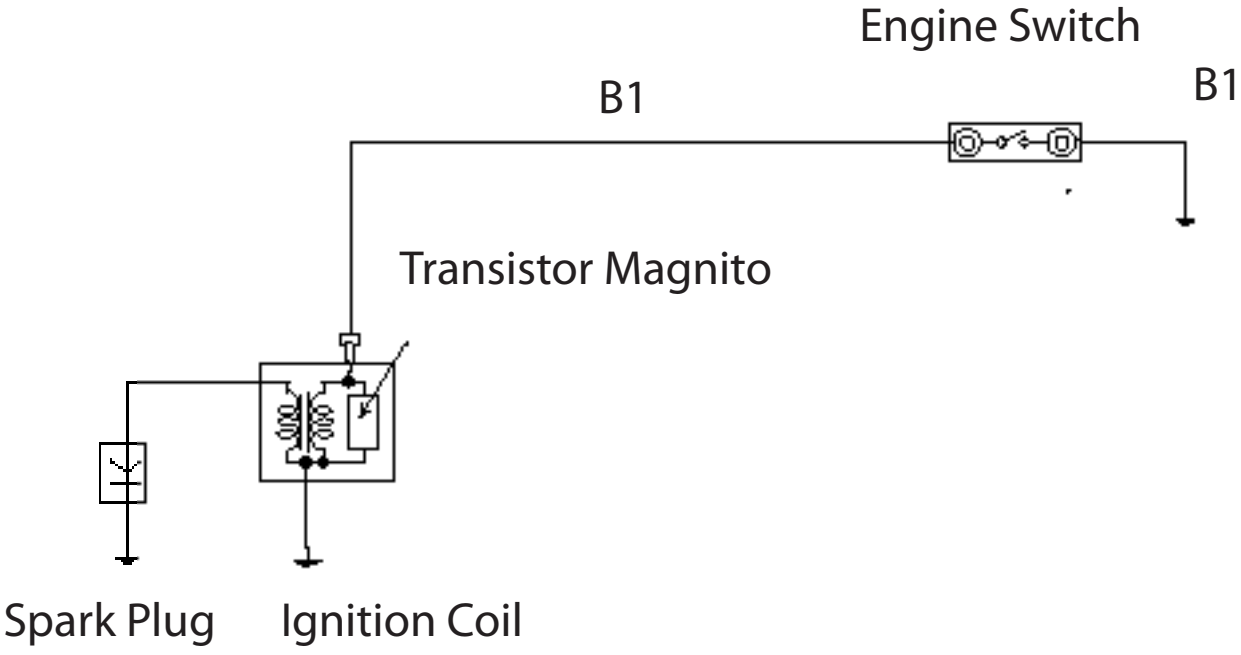
Engine will not Start

1. Fuel Valve OFF	Move Fuel valve lever to ON.
2. Choke OFF	Move Choke Lever to ON
3. Out of fuel	Refuel
4. Bad fuel; engine stored without treating or draining gasoline, or refueled with bad gasoline	Drain fuel and carburetor. Refuel with fresh gasoline
5. Spark plug faulty, fouled, or improperly gapped	Remove and inspect spark plug. Clean, gap, or replace
6. Spark plug wet with fuel (flooded engine)	Remove and inspect spark plug. Dry and reinstall spark plug.
7. Fuel filter clogged, carburetor malfunction, ignition malfunction, valves stuck, etc.	Take the engine to a qualified mechanic. Replace or repair faulty components as necessary

Engine Lacks Power

1. Filter element(s) clogged	Check air filter Clean or replace.
2. Choke lever may be not fully open	Check choke lever
2. Bad fuel; engine stored without treating or draining gasoline, or refueled with bad gasoline.	Drain fuel tank and carburetor. Refuel with fresh gasoline.
3. Fuel filter clogged, carburetor malfunction, ignition malfunction, valves stuck, etc.	Take engine to a qualified mechanic. Replace or repair faulty components as necessary.

ELECTRICAL SCHEMATIC





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