



保存版

KLX650

Motorcycle Owner's Manual



Whenever you see the symbols shown below, heed their instructions! Always follow safe operating and maintenance practices.

⚠ WARNING

This warning symbol identifies special instructions or procedures which, if not correctly followed, could result in personal injury, or loss of life.

CAUTION

This caution symbol identifies special instructions or procedures which, if not strictly observed, could result in damage to or destruction of equipment.

NOTE

○ This note symbol indicates points of particular interest for more efficient and convenient operation.

NOTICE

THIS PRODUCT HAS BEEN MANUFACTURED FOR USE IN A REASONABLE AND PRUDENT MANNER BY A QUALIFIED OPERATOR AND AS A VEHICLE ONLY.

(Australian model only)

TAMPERING WITH NOISE CONTROL SYSTEM PROHIBITED

Owners are warned that the law may prohibit:

- (a) The removal or rendering inoperative by any person other than for purposes of maintenance, repair or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use; and
- (b) the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

FOREWORD

We wish to thank you for choosing this fine Kawasaki Motorcycle. Your new motorcycle is the product of Kawasaki's advanced engineering, exhaustive testing, and continuous striving for superior reliability, safety, and performance.

Read this Owner's Manual before riding so you will be thoroughly familiar with the proper operation of your motorcycle's controls, its features, capabilities and limitations. This manual offers many safe riding tips, but its purpose is not to provide instruction in all the techniques and skills required to ride a motorcycle safely. Kawasaki strongly recommends that all operators of this vehicle enroll in a motorcycle rider training program to attain awareness of the mental and physical requirements necessary for safe motorcycle operation.

To ensure a long, trouble-free life for your motorcycle, give it the proper care and maintenance described in this manual. For those who would like more detailed information on their Kawasaki Motorcycle, a Service Manual is available for purchase from any Kawasaki dealer. The Service Manual contains detailed disassembly and maintenance information.

Due to improvements in design and performance during production, in some cases there may be minor discrepancies between the actual vehicle and the illustrations and text in this manual.

KAWASAKI HEAVY INDUSTRIES, LTD.
Consumer Products & Machinery Company

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| | | |
|--------------------|-----------|---|
| Ignition Timing | | 8° BTDC @1,300 r/min (rpm) ~ 30° BTDC @3,000 r/min (rpm) |
| Spark Plug | | NGK DPR8EA-9 or ND X24EPR-U9 |
| Lubrication System | | Forced lubrication (wet sump) |
| Engine Oil | Type: | API SE, SF or SG API SH or SJ with JASO MA |
| | : | SAE 10W-40 |
| | Capacity: | 1.5 L (1.6 US qt) 1.9 L (2.0 US qt) |
| Coolant Capacity | | |

TRANSMISSION

| | | |
|-------------------------|-----|--------------------------------------|
| Transmission Type | | 5-speed, constant mesh, return shift |
| Clutch Type | | Wet, multi disc |
| Driving System | | Chain drive |
| Primary Reduction Ratio | | 2.272 (75/33) |
| Final Reduction Ratio | | 2.533 (38/15) |
| Overall Drive Ratio | | 4.558 (Top gear) |
| Gear Ratio: | 1st | 2.266 (34/15) |
| | 2nd | 1.529 (26/17) |
| | 3rd | 1.181 (26/22) |
| | 4th | 0.954 (21/22) |
| | 5th | 0.791 (19/24) |

FRAME

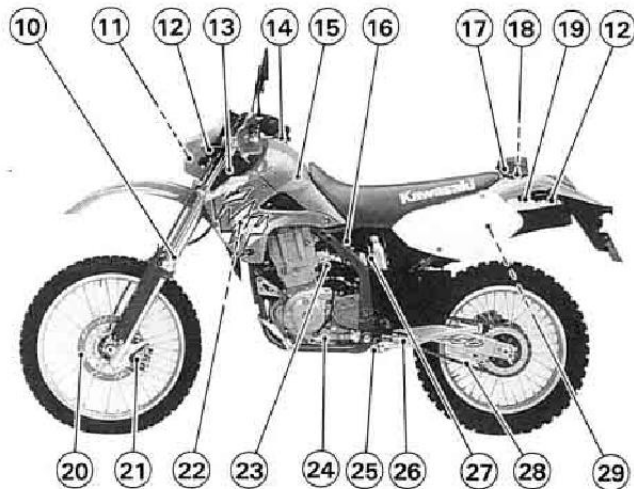
| | | |
|--------------------|-------|----------------------|
| Castor | | 27.5° |
| Trail | | 111 mm (4.37 in.) |
| Tire Size: | Front | 80/100-21 51P |
| | Rear | 120/90-18 65P |
| Fuel Tank Capacity | | 11.6 L (3.06 US gal) |

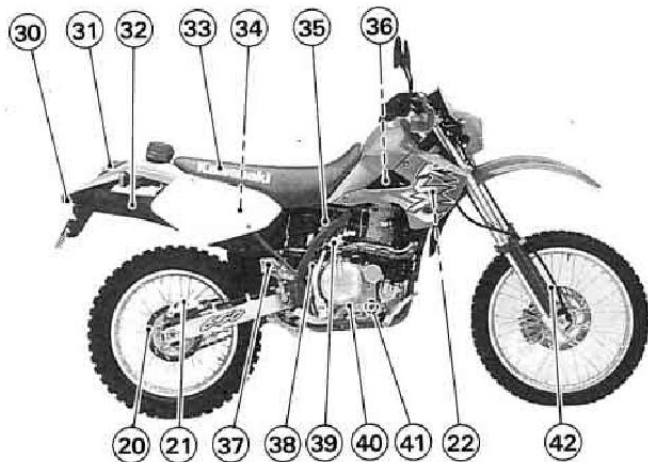
ELECTRICAL EQUIPMENT

| | | |
|-------------------|--|--------------|
| Headlight | | 12 V 60/55 W |
| Tail/Brake Light | | 12 V 5/21 W |
| Turn Signal Light | | 12 V 21 W |

Specifications subject to change without notice, and may not apply to every country.

- 10. Front Fork
- 11. Headlight
- 12. Turn Signal Light
- 13. Steering Lock
- 14. Fuel Tank Cap
- 15. Fuel Tank
- 16. Fuel Tap
- 17. Tool Kit Bag
- 18. Tool Kit
- 19. Helmet Hook
- 20. Brake Disc
- 21. Brake Caliper
- 22. Radiator
- 23. Idle Adjusting Screw
- 24. Shift Pedal
- 25. Side Stand Switch
- 26. Side Stand
- 27. Rear Shock Absorber
- 28. Drive Chain
- 29. Coolant Reserve Tank





- 30. License Plate Light
- 31. Tail/Brake Light
- 32. Muffler
- 33. Seat
- 34. Air Cleaner Element
- 35. Carburetor
- 36. Spark Plug
- 37. Brake Fluid Reservoir (Rear)
- 38. Rear Brake Light Switch
- 39. Kick Pedal
- 40. Rear Brake Pedal
- 41. Oil Level Gauge
- 42. Speedometer Cable

Speedometer

The speedometer shows the speed of the vehicle. In the speedometer face are the odometer and trip meter. The odometer shows the total distance that the vehicle has been ridden. The trip meter shows the distance traveled since it was last reset to zero. The trip meter can be reset to zero by turning the reset knob counterclockwise.

Indicator Lights

NEUTRAL : When the transmission is in neutral, the neutral indicator light is lit.

HIGH BEAM : When the headlight is on high beam, the high beam indicator light is lit.

TURN : When the turn signal switch is turned to left or right, the turn signal indicator light flashes on and off.

TEMP : If the coolant temperature rises to 115°C or higher, the light will not go off and will stay on even in any gear. In this case, stop the engine and check the coolant level in the reserve tank after the engine cools down.

Key

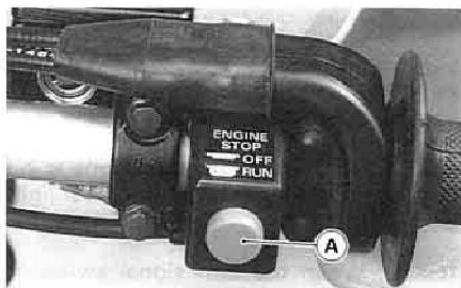
This motorcycle has a combination key, which is used for the steering lock and helmet hook.

Blank keys are available at your Kawasaki dealers. Ask your Dealer to make any additional spare keys you may need, using your original key as a master.

Engine Stop Switch

The engine stop switch must be in the RUN position for the motorcycle to operate.

For ordinary engine stoppage and, if some emergency requires stopping the engine, push the engine stop switch to the OFF position.

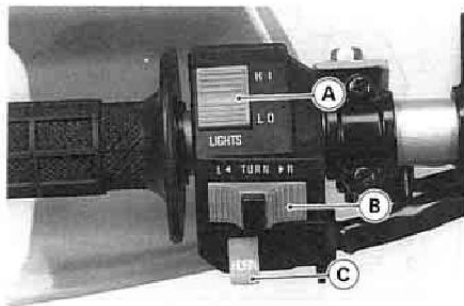


A. Engine Stop Switch

Left Handlebar Switches

Dimmer Switch

High or low beam can be selected with the dimmer switch. When the headlight is on high beam (HI), the high beam indicator light is lit.



A. Dimmer Switch

B. Turn Signal Switch

C. Horn Button

Turn Signal Switch

When the turn signal switch is turned to L (left) or R (right), the corresponding turn signals flash on and off.

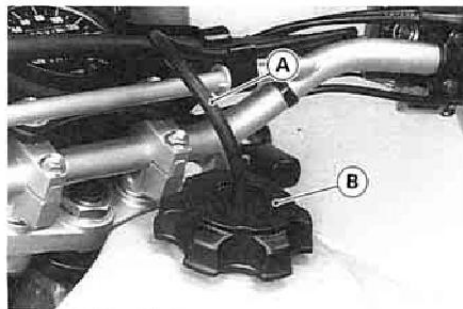
To stop flashing, push the switch in.

Horn Button

When the horn button is pushed, the horn sounds.

Fuel Tank Cap

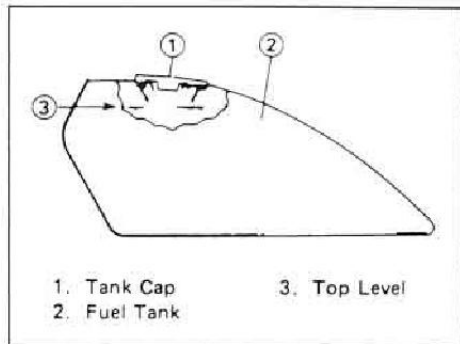
To open the fuel tank cap, pull out the breather hose from the clamp on the handlebar, and turn the tank cap counterclockwise.



A. Fuel Tank Cap
B. Breather Hose

Fuel Tank

Avoid filling the tank in the rain or where heavy dust is blowing so that the fuel does not get contaminated.



⚠ WARNING

Gasoline is extremely flammable and can be explosive under certain conditions. Always stop the engine and do not smoke. Make sure the area is well ventilated and free from any source of flame or sparks; this includes any appliance with a pilot light.

Never fill the tank completely to the top. As the fuel expands in a warm tank, it may overflow from the vents in the tank cap.

After refueling, make sure the tank cap is closed securely.

If gasoline is spilled on the fuel tank, wipe it off immediately.

Fuel Requirement:

Your Kawasaki engine is designed to use unleaded gasoline with a minimum octane rating of RON 95.

Octane Rating

The octane rating of a gasoline is a measure of its resistance to detonation or "knocking." The term commonly used to describe a gasoline's octane rating is the Research Octane Number (RON). Always use a gasoline with an octane rating equal to, or higher than, RON 95.

NOTE

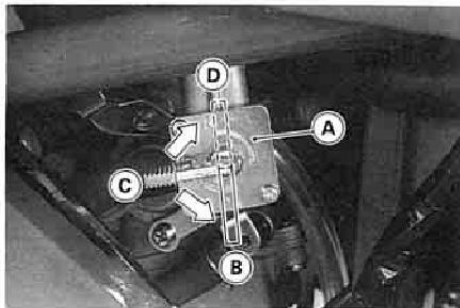
○ If "knocking" or "pinging" occurs, use a different brand of gasoline or higher octane rating.

CAUTION

Use minimum of 95 octane gasoline only to prevent severe engine damage.

Fuel Tap

The fuel tap has three positions: OFF, ON, and RES (reserve). If the fuel runs out with the tap in the ON position, the last 0.8 L (0.21 US gal) of fuel can be used by turning the fuel tap to the RES position.



A. Fuel Tap

B. ON position

C. OFF position

D. RES position

NOTE

- *Since riding distance is limited when on RES, refuel at the earliest opportunity.*
- *Make certain that the fuel tap is turned to ON (Not RES) after filling up the fuel tank.*

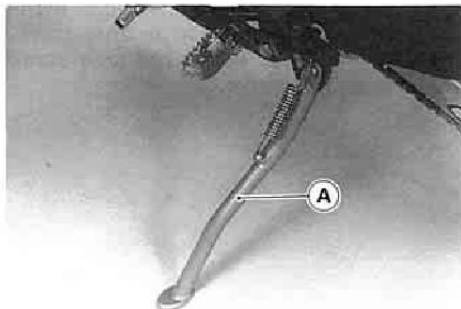
⚠ WARNING

Practice operating the fuel tap with the motorcycle stopped. To prevent an accident you should be able to operate the fuel tap while riding without taking your eyes off the road.

Be careful not to touch the hot engine while operating the fuel tap.

Stand

The motorcycle is equipped with the side stand.



A. Side Stand

NOTE

- *When using the side stand, turn the handlebar to the left.*

Whenever the side stand is used, make it a practice to kick the stand fully up before sitting on the motorcycle.

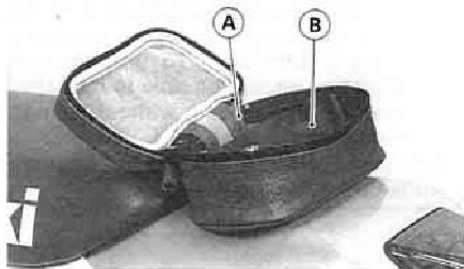
NOTE

- *The motorcycle is equipped with a side stand switch. This switch is designed so that the engine stops if the clutch is engaged with the transmission in gear when the side stand has been left down.*

Tool Kit Bag/Tool Kit

The tool kit is stored in the tool kit bag.

The minor adjustments and replacement of parts explained in this manual can be performed with the tools in the kit.



A. Tool Kit Bag

B. Tool Kit

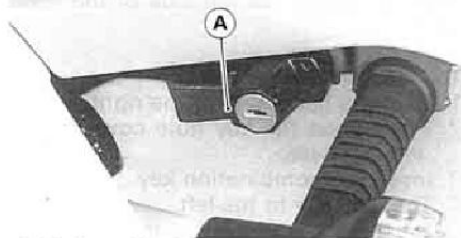
Helmet Hook

Helmet can be secured to the motorcycle using the helmet hook located under the seat.

The helmet hook can be unlocked by inserting the combination key into the lock, and turning the key to the right.

⚠ WARNING

Do not ride the motorcycle with a helmet attached to the hook. The helmet could cause an accident by distracting the operator or interfering with normal vehicle operation.



A. Helmet Hook

Steering Lock

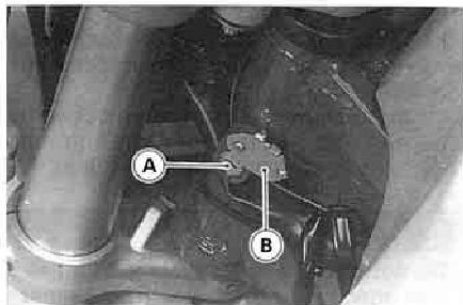
The motorcycle is equipped with the steering lock at the left side of the head pipe.

To lock the steering:

1. Turn the handlebar to the right.
2. Push open the key hole cover counterclockwise.
3. Insert the combination key.
4. Turn the key to the left.
5. Push the key in turning the handlebar slightly to the left, and turn the key to the right.
6. Pull the key out.

▲WARNING

Unlock the steering before starting the engine. Attempting to drive with the steering locked could cause an accident.



A. Steering Lock
B. Key Hole Cover

- Do not start moving or race the engine immediately after starting it, even if the engine is already warm. Run the engine for two or three minutes at idle speed to give the oil a chance to work up into all the engine parts.
- Do not race the engine while the transmission is in neutral.

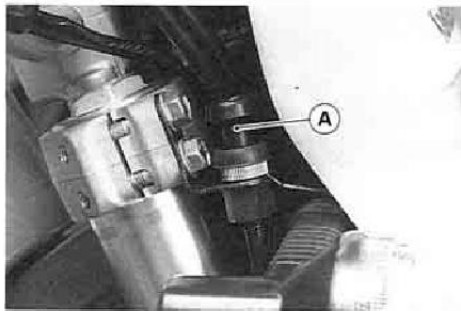
▲WARNING

New tires are slippery and may cause loss of control and injury. A break-in period of 160 km (100 miles) is necessary to establish normal tire traction. During break-in, avoid sudden and maximum braking and acceleration, and hard cornering.

In addition to the above, at 1,000 km (600 mi) it is extremely important that the owner have the initial maintenance service performed by an authorized Kawasaki dealer.

NOTE

○ When the engine is already warm or on hot days (35°C, 95°F or more), open the throttle part way instead of using the choke, and then start the engine.



A. Choke Knob

- Leaving the throttle completely closed, kick the engine over until the engine starts.



A. Kick Pedal

NOTE

○ If the engine is flooded, crank the engine over with the throttle fully open until the engine starts.

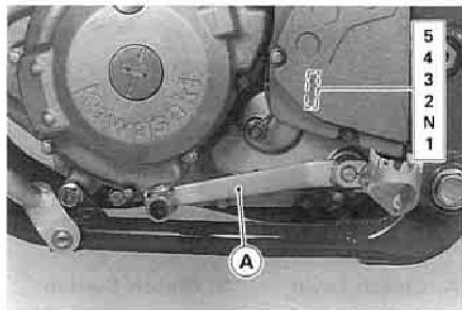
- Use the choke as necessary to keep the engine running during warm-up.
- When the engine is warmed up enough to idle without using the choke, return the choke to the off position.

CAUTION

Do not let the engine idle longer than five minutes, or engine overheating and damage may occur.

Moving Off

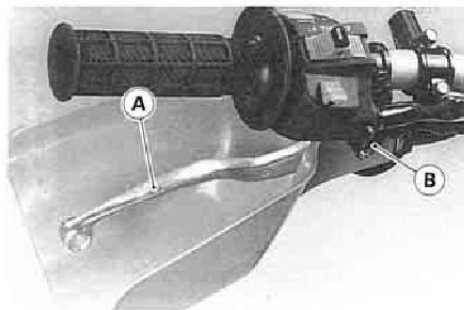
- Check that the side stand is up.
- Pull in the clutch lever.
- Shift into 1st gear.
- Open the throttle a little, and start to let out the clutch lever very slowly.
- As the clutch starts to engage, open the throttle a little more, giving the engine just enough fuel to keep it from stalling.



A. Shift Pedal

NOTE

○ The motorcycle is equipped with a side stand switch and a clutch switch. These switches are designed so that the engine stops if the clutch is engaged with the transmission in gear when the side stand has been left down.



A. Clutch Lever

B. Clutch Switch

Shifting Gears

- Close the throttle while pulling in the clutch lever.
- Shift into the next higher or lower gear.
- Open the throttle part way, while releasing the clutch lever.

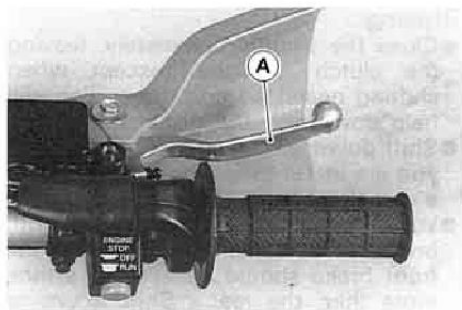
⚠ WARNING

When shifting down to a lower gear, do not shift at such a high speed that the engine r/min (rpm) jumps excessively. Not only can this cause engine damage, but the rear wheel may skid and cause an accident. Downshifting should be done so that the vehicle speed is kept below the limit for each gear, as shown in the table.

| | Km/h (mph) |
|-----------|------------|
| 5th → 4th | 60 (38) |
| 4th → 3rd | 50 (31) |
| 3rd → 2nd | 40 (25) |
| 2nd → 1st | 30 (19) |

Braking

- Close the throttle completely, leaving the clutch engaged (except when shifting gears) so that the engine will help slow down the motorcycle.
- Shift down one gear at a time so that you are in 1st gear when you come to a complete stop.
- When stopping, always apply both brakes at the same time. Normally the front brake should be applied a little more than the rear. Shift down or fully disengage the clutch as necessary to keep the engine from stalling.
- Never lock the brakes, or it will cause the tires to skid. When turning a corner, it is better not to brake at all. Reduce your speed before you get into the corner.
- For emergency braking, disregard downshifting, and concentrate on applying the brakes as hard as possible without skidding.



A. Front Brake Lever



A. Rear Brake Pedal

Stopping the Engine

- Close the throttle completely.
- Shift the transmission into neutral.
- Support the motorcycle on a firm level surface with the side stand.
- Lock the steering.

Stopping the Motorcycle in an Emergency

Your Kawasaki Motorcycle has been designed and manufactured to provide you optimum safety and convenience. However, in order to fully benefit from Kawasaki's safety engineering and craftsmanship, it is essential that you, the owner and operator, properly maintain your motorcycle and become thoroughly familiar with its operation. Improper maintenance can create a dangerous situation known as throttle failure. Two of the most common causes of throttle failure are:

1. An improperly serviced or clogged air cleaner may allow dirt and dust to enter the carburetor and stick the throttle open.
2. During removal of the air cleaner, dirt is allowed to enter and jam the carburetor.

In an emergency situation such as throttle failure, your vehicle may be stopped by applying the brakes and disengaging the clutch. Once this stop-

ping procedure is initiated, the engine stop switch may be used to stop the engine. If the engine stop switch is used, turn off the ignition switch after stopping the motorcycle.

Parking

- Shift the transmission into neutral.
- Support the motorcycle on a firm level surface with the side stand.

CAUTION

Do not park on a soft or steeply inclined surface or the motorcycle may fall over.

- If parking inside a garage or other structure, be sure it is well ventilated and the motorcycle is not close to any source of flame or sparks; this includes any appliance with a pilot light.

⚠ WARNING

Gasoline is extremely flammable and can be explosive under certain conditions.

- Lock the steering to help prevent theft.

| | |
|------------------------------|--|
| Drive chain | Slack 55 ~ 70 mm (2.2 ~ 2.8 in.). |
| Nuts, bolts, fasteners | Check that steering and suspension components, axles, and all controls are properly tightened or fastened. |
| Steering | Action smooth but not loose from lock to lock. No binding of control cables. |
| Brakes | Brake pad wear: Lining thickness more than 1 mm (0.04 in.) left. No brake fluid leakage. |
| Throttle | Throttle grip play 2 ~ 3 mm (0.08 ~ 0.12 in.). |
| Clutch | Clutch lever play 10 ~ 20 mm (0.4 ~ 0.8 in.). Clutch lever operates smoothly. |
| Coolant | No coolant leakage. Coolant level between level lines (when engine is cold). |
| Electrical equipment..... | All lights and horn work while the engine is running. |
| Engine stop switch..... | Stops engine. |
| Side stand | Returns to its fully up position by spring tension. Return spring not weak or not damaged. |

Additional Considerations for Off Road Operation

Brakes: The importance of reliable brakes is obvious. Check to see that they are functioning properly.

Steering: Looseness in the steering can cause loss of control. Check to see that the handlebar turns freely but has no play.

Tires: Due to the extra stress to the tires on rough roads, be sure to examine their overall condition, and inflate to the proper pressure.

Drive Chain: When not adjusted properly, the severe stress on rough roads can cause damage to the sprockets and cause the chain to be thrown. Examine the chain slack and alignment, and lubricate if necessary.

Fuel: Have sufficient fuel for the high fuel consumption on rough roads.

Engine Oil: To avoid seizure and resulting loss of control, make certain that the oil level is at the upper level line.

Coolant: To avoid overheating, check that the coolant level is at the upper level line.

Miscellaneous: Check to see that the electrical equipment is functioning properly, all nuts and bolts are tight, and all safety related parts are in good condition.

»»»»»»»»»»»»»»»» MAINTENANCE AND ADJUSTMENT ««««««««««««««««««

The maintenance and adjustments outlined in this chapter are easily carried out and must be done in accordance with the Periodic Maintenance Chart to keep the motorcycle in good running condition. **The initial maintenance is vitally important and must not be neglected.**

If you are in doubt as to any adjustment or vehicle operation, please ask your authorized Kawasaki dealer to check the motorcycle.

Please note that Kawasaki cannot assume any responsibility for damage resulting from incorrect maintenance or improper adjustment done by the owner.

Periodic Maintenance Chart

| Operation | Frequency | Whichever comes first ↓ | *Odometer Reading km(mi) | | | | | | | | See Page |
|--|-----------|----------------------------|--------------------------|----------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|----------|
| | | | Every | 1,000 (600) | 6,000 (4,000) | 12,000 (7,500) | 18,000 (12,000) | 24,000 (15,000) | 30,000 (20,000) | 36,000 (24,000) | |
| Idle speed-adjust | | | ● | | ● | | ● | | ● | 56 | |
| Throttle grip play-check † | | | ● | | ● | | ● | | ● | 53 | |
| Spark plug-clean and gap † | | | | ● | ● | ● | ● | ● | ● | 47 | |
| K Valve clearance-check † | | | | | ● | | ● | | ● | 49 | |
| Air cleaner element-clean † # | | | | | ● | | ● | | ● | 50 | |
| K Brake hose, connections-check † | | | | ● | ● | ● | ● | ● | ● | - | |
| Brake light switch-check † | | | ● | ● | ● | ● | ● | ● | ● | 70 | |
| Brake pad wear-check † # | | | | ● | ● | ● | ● | ● | ● | 64 | |
| Brake fluid level-check † | month | | ● | ● | ● | ● | ● | ● | ● | 67 | |
| K Brake fluid-change | 2 years | | | | | | ● | | | 69 | |
| K Fuel hose, connections-check † | | | | ● | ● | ● | ● | ● | ● | - | |
| Clutch-adjust | | | ● | ● | ● | ● | ● | ● | ● | 57 | |
| K Steering play-check † | | | ● | ● | ● | ● | ● | ● | ● | - | |
| Drive chain wear-check † # | | | | ● | ● | ● | ● | ● | ● | 62 | |

| Operation | Frequency | Whichever comes first ↓ | *Odometer Reading km(mi) | | | | | | | See Page |
|---|-----------|----------------------------|--------------------------|----------------|------------------|-------------------|--------------------|--------------------|--------------------|----------|
| | | | Every | 1,000 (600) | 6,000 (4,000) | 12,000 (7,500) | 18,000 (12,000) | 24,000 (15,000) | 30,000 (20,000) | |
| Nut, bolt, and fastener tightness-check † | | | ● | | ● | | ● | | ● | — |
| K Spoke tightness and rim runout-check † | | | ● | ● | ● | ● | ● | ● | ● | — |
| Tire wear-check † | | | | ● | ● | ● | ● | ● | ● | 76 |
| Engine oil-change # | 6months | | ● | ● | ● | ● | ● | ● | ● | 41 |
| Oil filter-replace | | | ● | | ● | | ● | | ● | 41 |
| General lubrication-perform | | | | | ● | | ● | | ● | — |
| K Front fork oil-change | 2 years | | | | | | ● | | | — |
| Front fork condition/oil leak-check † | | | | | ● | | ● | | ● | 71 |
| Rear shock absorber condition/oil leak-check † | | | | | ● | | ● | | ● | 73 |
| K Swingarm pivot, uni-trak linkage-lubricate | | | | | ● | | ● | | ● | — |

| Operation | Frequency | *Odometer Reading km(mi) | | | | | | | | See Page |
|---|----------------------------|--------------------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|----|----------|
| | Whichever comes first ↓ | 1,000 (600) | 6,000 (4,000) | 12,000 (7,500) | 18,000 (12,000) | 24,000 (15,000) | 30,000 (20,000) | 36,000 (24,000) | | |
| | Every | | | | | | | | | |
| K Coolant-change | 2 years | | | | | ● | | | 46 | |
| Radiator hoses, connections -check † | | ● | | | | | | | 44 | |
| K Steering stem bearing-lubricate | 2 years | | | | | ● | | | — | |
| K Master cylinder cup and dust seal-replace | 4 years | | | | | | | | — | |
| K Caliper piston seal and dust seal-replace | 4 years | | | | | | | | — | |
| Drive chain-lubricate # | 600 km (400 mi) | | | | | | | | 63 | |
| Drive chain slack-check # | 1000 km (600 mi) | | | | | | | | 59 | |

K : Should be serviced by an authorized Kawasaki dealer.

* : For higher odometer readings, repeat at the frequency interval established here.

† : Replace, add, adjust, or torque if necessary.

: Service more frequently when operating in severe conditions: dusty, wet, muddy, high speed, or frequent starting/stopping.

Engine Oil

In order for the engine, transmission, and clutch to function properly, maintain the engine oil at the proper level, and change the oil and oil filter in accordance with the Periodic Maintenance Chart. Not only do dirt and metal particles collect in the oil, but the oil itself loses its lubricative quality if used too long.

▲WARNING

Motorcycle operation with insufficient, deteriorated, or contaminated engine oil will cause accelerated wear and may result in engine or transmission seizure, accident, and injury.

Oil Level Inspection

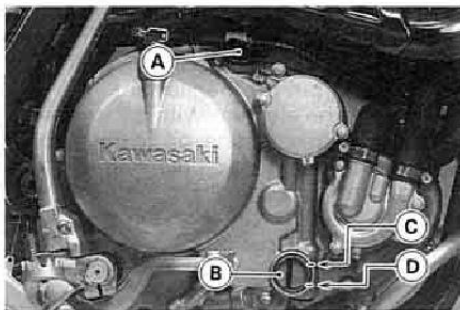
- Situate the motorcycle so that it is perpendicular to the ground.
- If the oil has just been changed, start the engine and run it for several min-

utes at idle speed. This fills the oil filter with oil. Stop the engine and leave it for one minute.

CAUTION

Racing the engine before the oil reaches every part can cause engine seizure.

- If the motorcycle has just been used, run the engine for about 20 seconds at idle speed. Stop the engine and leave it one minute.
- Check the engine oil level through the oil level gauge in the lower right side of the engine. The oil level should come up between the upper and lower level.

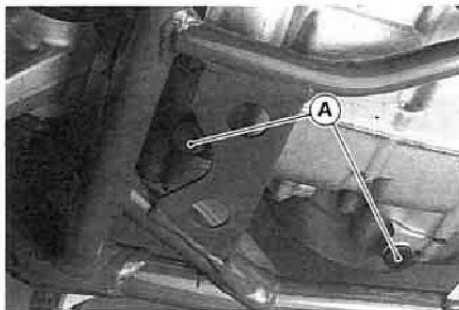


A. Oil Filler Cap C. Upper Level Line
B. Oil Level Gauge D. Lower Level Line

- If the oil level is too high, remove the excess oil, using a syringe or some other suitable device.
- If the oil level is too low, add the correct amount of oil through the oil filler opening. Use the same type and brand of oil that is already in the engine.

Oil and/or Oil Filter Change

- Warm up the engine thoroughly, and then stop the engine.
- Set the motorcycle up on its side stand.
- Place an oil pan beneath the engine.
- Remove the engine drain plug and magneto flywheel cover drain plug.



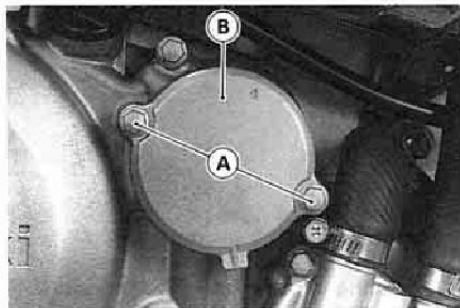
A. Drain Plugs

- With the motorcycle perpendicular to the ground, let the oil completely drain.

⚠ WARNING

Motor oil is a toxic substance. Dispose of used oil properly. Contact your local authorities for approved disposal methods or possible recycling.

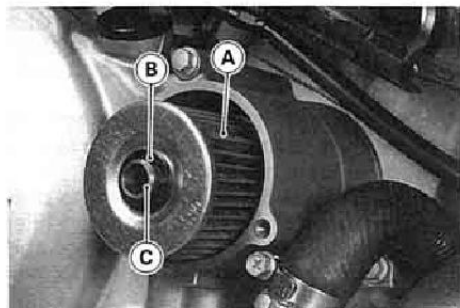
- If the oil filter is to be changed, remove the oil filter cover bolts and take off the cover with O-ring.



A. Bolts

B. Oil Filter Cover

- Pull off the element with the element mounting pin and collar.
- Remove the collar and pull the mounting pin off the element.
- Replace the element with a new one.
- Apply a little engine oil to the grommets on both side of the element, and push the mounting pin into the element. Be careful that the grommets do not slip out of place.



A. Element
B. Grommet

C. Mounting Pin

- Fit the collar in the element mounting pin hole of the crankcase.
- Install them with the smaller end of the pin inside.
- Install the oil filter cover and tighten its bolts.
- After the oil has completely drained out, install the engine and magneto flywheel cover drain plugs with its gasket. Proper torque for it is shown in the table.

NOTE

- *Replace the damaged gasket with a new one.*
- Fill the engine up to the upper level with a good quality motor oil specified in the table.
- Start the engine.
- Check the oil level and for oil leakage.

Tightening Torque

| | |
|------------------------------------|-----------------------------|
| Engine Drain Plug: | 29 N-m (3.0 kg-m, 22 ft-lb) |
| Magneto Flywheel Cover Drain Plug: | 24 N-m (2.5 kg-m, 18 ft-lb) |

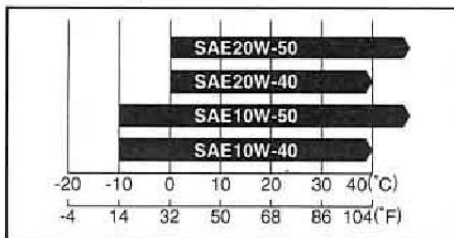
Recommended Engine Oil

| | |
|------------|---------------------------|
| Type: | API SE, SF or SG |
| : | API SH or SJ with JASO MA |
| Viscosity: | SAE 10W-40 |

Engine Oil Capacity

| | |
|-----------|---------------------------------|
| Capacity: | 1.3 L (1.4 US qt) |
| | [when filter is not removed] |
| | 1.3 L (1.4 US qt) |
| | [when filter is removed] |
| | 1.5 L (1.6 US qt) |
| | [when engine is completely dry] |

Depending on the atmospheric temperature of your riding area, the engine oil viscosity should be changed according to the following chart:



Cooling System

Radiator and Cooling Fan:

Check the radiator fins for obstruction by insects or mud. Clean off any obstructions with a stream of low-pressure water.

▲WARNING

The cooling fan turns on automatically. Keep your hands and clothing away from the fan blades at all times.

CAUTION

Using high-pressure water, as from car wash facility, could damage the radiator fins and impair the radiator's effectiveness.

Do not obstruct or deflect airflow through the radiator by installing unauthorized accessories in front of the radiator or behind the cooling fan.

Interference with the radiator airflow can lead to overheating and consequent engine damage.

Radiator Hoses:

Check the radiator hoses for cracks or deterioration, and connections for looseness in accordance with the periodic Maintenance Chart.

Coolant:

Coolant absorbs excessive heat from the engine and transfers it to the air at the radiator. If the coolant level becomes low, the engine overheats and may suffer severe damage. Check the coolant level each day before riding the motorcycle, and replenish coolant if the level is low. Change the coolant in accordance with the Periodic Maintenance Chart.

NOTE

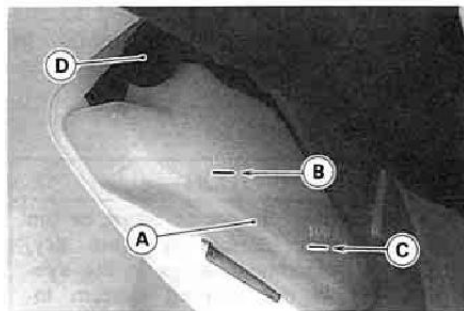
- A permanent type of antifreeze is installed in the cooling system when shipped. It is colored green and contains ethylene glycol. It is mixed at 50% and has the freezing point of -35°C (-31°F).

Coolant Level Inspection

- Check the coolant level with the motorcycle held level. The coolant level should be between the FULL and LOW level lines.

NOTE

- Check the level when the engine is cold (room or atmospheric temperature).



- A. Reserve Tank
- B. FULL Level Line
- C. LOW Level Line
- D. Tank Cap

- If the amount of coolant is insufficient, unscrew the cap from the reserve tank, and add coolant through the filler opening to the FULL level line.
- Install the cap.

NOTE

- *In an emergency you can add water alone to the coolant reserve tank, however it must be returned to the correct mixture ratio by the addition of antifreeze concentrate as soon as possible.*

CAUTION

If coolant must be added often, or the reserve tank completely runs dry, there is probably leakage in the system. Have the cooling system inspected by your authorized Kawasaki dealer.

Coolant Change

Have the coolant changed by an authorized Kawasaki dealer.

Spark Plug

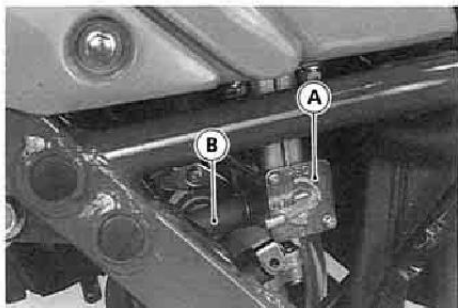
The standard spark plug is shown in the table. The spark plug should be taken out periodically in accordance with the Periodic Maintenance Chart for cleaning, inspection, and resetting of the plug gap.

Maintenance

If the plug is oily or has carbon built up on it, have it cleaned, preferably in a sand-blasting device, and then clean off any abrasive particles. The plug may also be cleaned using a high flash-point solvent and a wire brush or other suitable tool. Measure the gap with a wire-type thickness gauge, and adjust the gap if incorrect by bending the outer electrode. If the spark plug electrodes are corroded or damaged, or if the insulator is cracked, replace the plug. Use the standard plug.

Spark Plug Removal

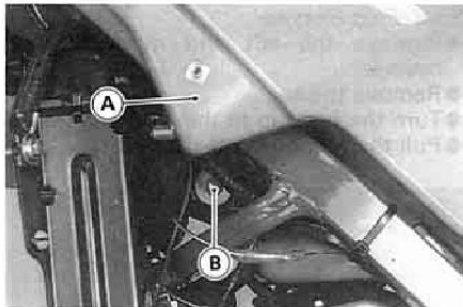
- Remove the left and right radiator covers.
- Remove the seat.
- Turn the fuel tap to the OFF position.
- Pull the fuel hose off the fuel tap.



A. Fuel Tap

B. Fuel Hose

- Remove the fuel tank mounting bolts and remove the fuel tank.



A. Fuel Tank

B. Mounting Bolt

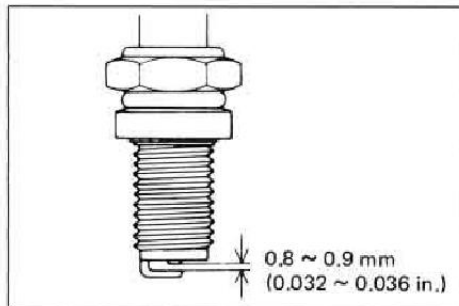
- Carefully pull the spark plug cap from the spark plug.
- Unscrew the spark plug.



A. Spark Plug Cap

NOTE

○ *Spark plug installation is performed in the reverse order of removal.*



Spark Plug

| | |
|-------------------|-------------------------------------|
| Standard Plug | NGK DPR8EA-9 or ND X24EPR-U9 |
| Plug Gap | 0.8 ~ 0.9 mm (0.032 ~ 0.036 in.) |
| Tightening Torque | 14 N·m (1.4 kg·m, 10.0 ft·lb) |

Valve Clearance

Valve and valve seat wear decreases valve clearance, upsetting valve timing.

CAUTION

If valve clearance is left unadjusted, wear will eventually cause the valves to remain partly open; which lowers performance, burns the valves and valve seats, and may cause serious engine damage.

Valve clearance for each valve should be checked and adjusted in accordance with the Periodic Maintenance Chart.

Inspection and adjustment should be done by an authorized Kawasaki dealer.

Air Cleaner

A clogged air cleaner restricts the engine's air intake, increasing fuel consumption, reducing engine power, and causing spark plug fouling.

The air cleaner element must be cleaned in accordance with the Periodic Maintenance Chart. In dusty areas, the element should be cleaned more frequently than the recommended interval. After riding through rain or on muddy roads, the element should be cleaned immediately. The element should be replaced if it is damaged.

Element Removal

- Remove the seat and take out the air cleaner intake cap.



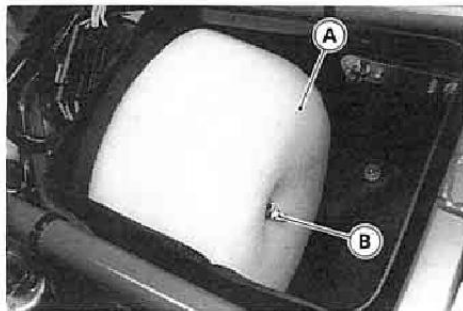
A. Seat

B. Seat Mounting Bolt



A. Air Cleaner Intake Cap

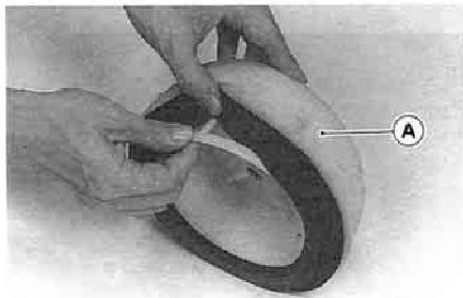
- Remove the wing bolt, and take out the element.



A. Element

B. Wing Bolt

- Remove the element from the frame.



A. Element

- Put a clean, lint-free towel over the air cleaner housing to keep dirt or other foreign material from entering.
- Inspect the element material for damage. If any part of the element is damaged, the element must be replaced.

▲WARNING

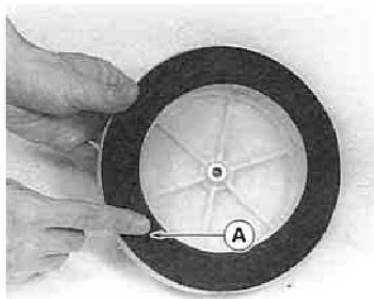
If dirt or dust is allowed to pass through into the carburetor, the throttle may become stuck, possibly causing accident.

CAUTION

If dirt gets through into the engine, excessive engine wear and possibly engine damage will occur.

NOTE

- *Element installation is performed in the reverse order of removal.*
- *When installing the element, coat the lip of the element with a thick layer of all purpose grease to assure a complete seal against the air cleaner element base. Also, coat the base where the lip of the element fits.*



A. Grease

Element Cleaning

- Clean the element in a bath of a high flash-point solvent.
- Dry the element with compressed air or by squeeze it.
- After cleaning, saturate the element with 2-stroke racing oil or high-quality foam-air-filter oil, squeeze out the excess oil, then wrap it in a clean rag and squeeze it as dry

as possible. Be careful not to tear the element.

▲ WARNING

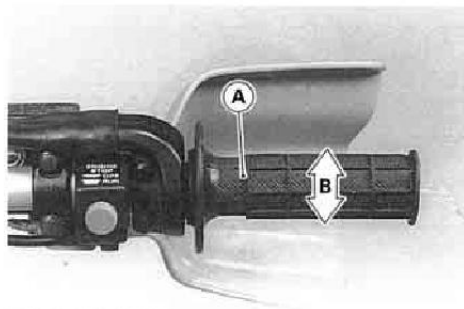
Clean the element in a well ventilated area, and take care that there are no sparks or flame anywhere near the working area; this includes any appliance with a pilot light. Do not use gasoline or a low flash-point solvent to clean the element. A fire or explosion could result.

Throttle Grip

The throttle grip controls the throttle valves. If the throttle grip has excessive play due to either cable stretch or maladjustment, it will cause a delay in throttle response, especially at low engine speed. Also, the throttle valves may not open fully at full throttle. On the other hand, if the throttle grip has no play, the throttle will be hard to control, and the idle speed will be erratic. Check the throttle grip play periodically in accordance with the Periodic Maintenance Chart, and adjust the play if necessary.

Inspection

- Check that there is 2 ~ 3 mm (0.08 ~ 0.12 in.) throttle grip play when lightly turning the throttle grip back and forth.
- If there is improper play, adjust it.

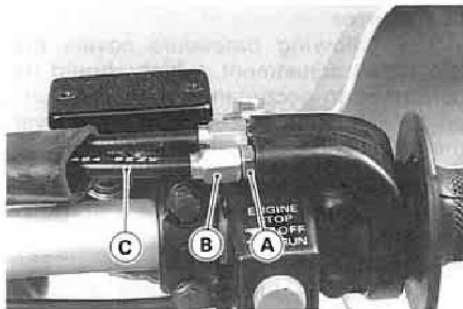


A. Throttle Grip

B. 2 ~ 3 mm (0.08 ~ 0.12 in.)

Adjustment

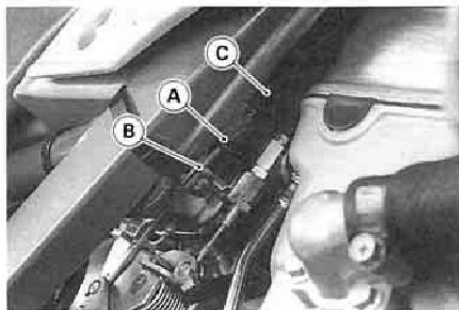
- Loosen the locknut at the throttle grip, and turn the adjuster until the proper amount of throttle grip play is obtained.



A. Locknut **C. Throttle Cable**
B. Adjuster **(Accelerator Cable)**

- Tighten the locknut.
- If the throttle cable can not be adjusted by using the cable adjuster at the upper end of the throttle cable, use the nuts on the accelerator cable at the carburetor.
- Loosen the locknut at the throttle grip and turn in the adjuster fully.
- Tighten the locknut.
- Loosen the upper nut and turn out the lower nut on the accelerator cable,

then turn in the upper nut until the correct amount of free play is obtained.



A. Upper Nut
B. Lower Nut
C. Accelerator Cable

- If there is excess play, use the adjuster at the throttle grip.

▲WARNING

Operation with improperly adjusted, incorrectly routed, or damaged cable could result in an unsafe riding condition.

Carburetor

The following procedure covers the idle speed adjustment, which should be performed in accordance with the Periodic Maintenance Chart or whenever the idle speed is disturbed.

Adjustment

- Start the engine, and warm it up thoroughly.
- Adjust the idle speed to 1150 ~ 1250 r/min (rpm) by turning the idle adjusting screw.
- Open and close the throttle a few times to make sure that the idle speed does not change. Readjust if necessary.
- With the engine idling, turn the handlebar to each side. If handlebar movement changes the idle speed, the throttle cables may be improperly adjusted or incorrectly routed, or they may be damaged. Be sure to correct any of these conditions before riding.



A. Idle Adjusting Screw

▲WARNING

Operation with damaged cables could result in an unsafe riding condition.

Clutch

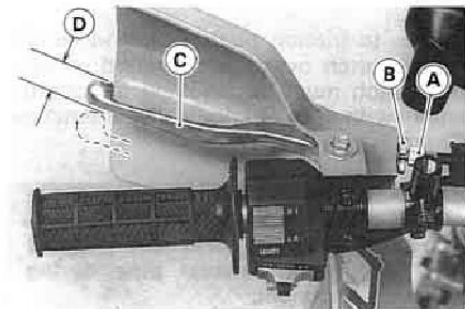
Due to friction plate wear and clutch cable stretch over a long period of use, the clutch must be adjusted in accordance with the Periodic Maintenance Chart.

▲WARNING

To avoid a serious burn, never touch a hot engine or exhaust pipe during clutch adjustment.

Inspection

- Check that the clutch lever has 10 ~ 20 mm (0.4 ~ 0.8 in.) of play as shown in the figure.



A. Adjuster

B. Locknut

C. Clutch Lever

D. 10 ~ 20 mm

(0.4 ~ 0.8 in.)

If it does not, adjust the lever play as follows.

Adjustment

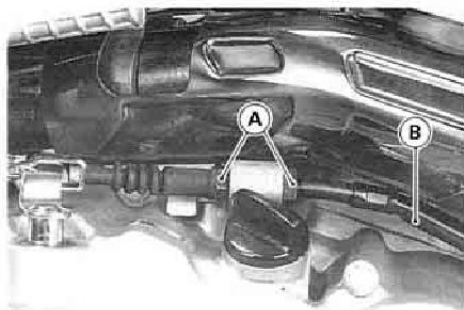
- Slide the dust cover at the clutch lever out of place.
- Loosen the locknut at the clutch lever.

- Turn the adjuster so that the clutch lever will have 10 ~ 20 mm (0.4 ~ 0.8 in.) of play.

⚠ WARNING

Be sure the upper end of the clutch outer cable is fully seated in its fitting, or it could slip into place later, creating enough cable play to prevent clutch disengagement, resulting in a hazardous riding condition.

- Tighten the locknut.
- If it cannot be done, use the mounting nuts at the lower end of the cable.



A. Mounting Nuts

B. Clutch Cable

NOTE

○ *After the adjustment is made, start the engine and check that the clutch does not slip and that it releases properly.*

Drive Chain

The drive chain must be checked, adjusted, and lubricated in accordance with the Periodic Maintenance Chart for safety and to prevent excessive wear. If the chain becomes badly worn or maladjusted – either too loose or too tight – the chain could jump off the sprockets or break.

⚠ WARNING

A chain that breaks or jumps off the sprockets could snag on the engine sprocket or lock the rear wheel, severely damaging the motorcycle and causing it to go out of control.

Chain Slack Inspection

- Set the motorcycle up on its side stand.
- Rotate the rear wheel to find the position where the chain is tightest.

- Measure the space between the chain and the swingarm upper surface at the rear of the chain sliper. It should be 55 ~ 70 mm (2.2 ~ 2.8 in.).



A. 55 ~ 70 mm (2.2 ~ 2.8 in.)

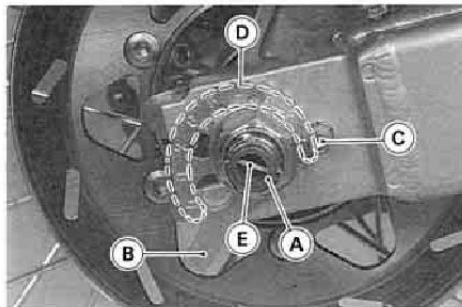
- If the drive chain is too tight or too loose, adjust it so that the chain slack will be within the standard value.

Drive Chain Slack

| | |
|-----------|-------------------------------|
| Standard | 55 ~ 65 mm (2.2 ~ 2.6 in.) |
| Too tight | less than 55 mm (2.2 in.) |
| Too loose | more than 70 mm (2.8 in.) |

Chain Slack Adjustment

- Remove the cotter pin, and loosen the rear axle nut.
- Rotate the chain adjuster at each end of the swingarm to obtain the specified chain slack.



- A. Axle Nut D. Numbers
B. Chain Adjuster E. Cotter Pin
C. Projection

NOTE

- *Wheel alignment can also be checked using the straightedge or string method.*

▲WARNING

Misalignment of the wheel will result in abnormal wear, and may result in an unsafe riding condition.

- Tighten the axle nut to the specified torque.

Tightening Torque

| | |
|------------|---------------------------------|
| Axle Nut : | 98 N-m (10.0 kg-m, 72 ft-lb) |
|------------|---------------------------------|

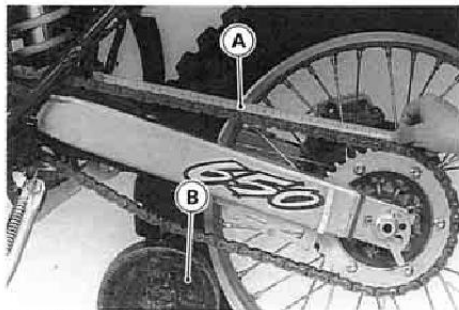
- Rotate the wheel, measure the chain slack again at the tightest position, and readjust if necessary.
- Insert a new cotter pin through the axle, and spread its ends.

⚠ WARNING

If the axle nut is not securely tightened, or the cotter pin is not installed, an unsafe riding condition may result.

Wear Inspection

- Stretch the chain taut either by using the chain adjusters, or by hanging a 10 kg (20 lb) weight on the chain.
- Measure the length of 20 links on the straight part of the chain from pin center of the 1st pin to pin center of the 21st pin. Since the chain may wear unevenly, take measurements at several places.
- If the length exceeds the service limit, the chain should be replaced.



A. Measure

B. Weight

Drive Chain 20-Link Length

Service Limit: 323 mm (12.7 in.)

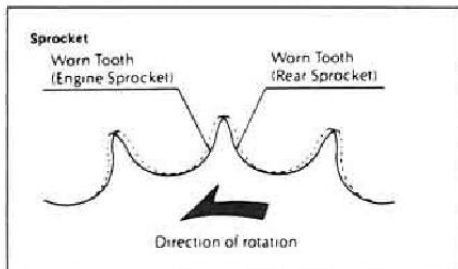
⚠ WARNING

For safety, use only the standard chain. It is an endless type and should not be cut for installation; have it installed by an authorized Kawasaki dealer.

- Rotate the rear wheel to inspect the drive chain for damaged rollers, and loose pins and links.
- Also inspect the sprockets for unevenly or excessively worn teeth, and damaged teeth.

NOTE

- *Sprocket wear is exaggerated for illustration. See Service Manual for wear limits.*

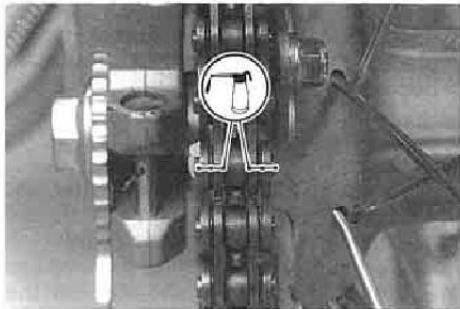


- If there is any irregularity, have the drive chain and/or the sprockets replaced by an authorized Kawasaki dealer.

Lubrication

Lubrication is also necessary after riding through rain or on wet roads, or any time that the chain appears dry. A heavy oil such as SAE 90 is preferred to a lighter oil because it will stay on the chain longer and provide better lubrication.

- Apply oil to the sides of the rollers so that it will penetrate to the rollers and bushings. Apply oil to the O-rings so that the O-rings will be coated with oil. Wipe off any excess oil.



- If the chain is especially dirty, clean it using diesel oil or kerosine and then apply oil as mentioned above.

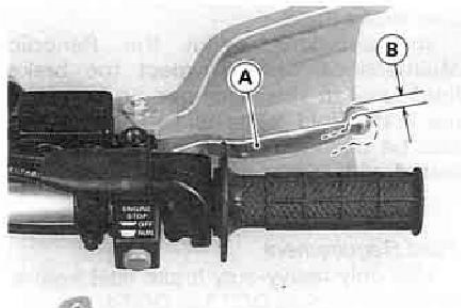
Brakes

Disc and disc pad wear is automatically compensated for and has no effect on the brake lever or pedal action. So there are no parts that require adjustment on the brakes except brake lever play.

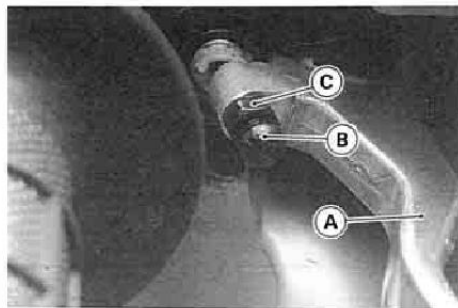
Front Brake Lever Play

The brake lever has 2 ~ 5 mm (0.08 ~ 0.20 in) of play when the brake is lightly applied.

To adjust the brake lever play, loosen the locknut and turn the adjuster to either side. After adjustment, tighten the locknut securely and check the braking effectiveness.



- A. Brake Lever
- B. 2 ~ 5mm (0.08 ~ 0.20 in)



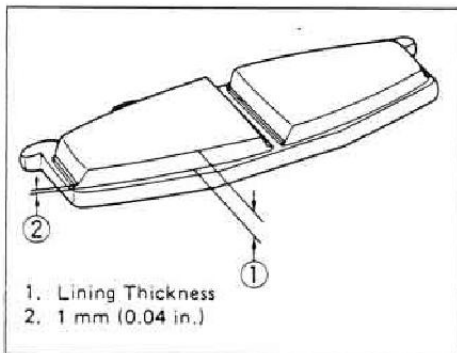
- A. Brake Lever
- B. Adjuster
- C. Locknut

⚠WARNING

If the brake lever or pedal feels mushy when it is applied, there might be air in the brake lines or the brake may be defective. Since it is dangerous to operate the motorcycle under such conditions, have the brake checked immediately.

Brake Wear Inspection

In accordance with the Periodic Maintenance Chart, inspect the brakes for wear. For each front and rear disc brake caliper, if the thickness of either pad is less than 1 mm (0.04 in), replace both pads in the caliper as a set. Pad replacement should be done by an authorized Kawasaki dealer.



Disc Brake Fluid:

In accordance with the Periodic Maintenance Chart, inspect the brake fluid level in the reservoirs and change the brake fluid. The brake fluid should also be changed if it becomes contaminated with dirt or water.

Fluid Requirement

Use only heavy-duty brake fluid from a container marked DOT3 or DOT4.

NOTE

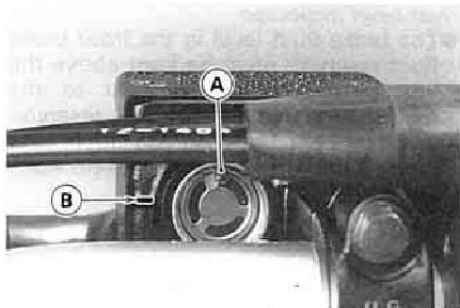
- Brake fluid of DOT4 is installed in the brake system when shipped.

CAUTION

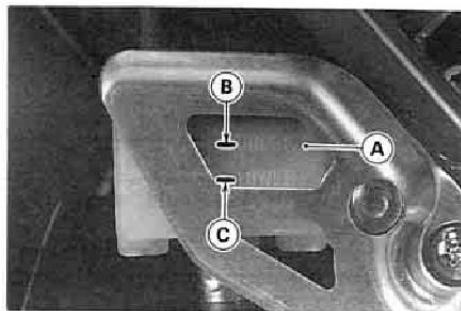
Do not spill brake fluid onto any painted surface.
Do not use fluid from a container that has been left open or that has been unsealed for a long time.
Check for fluid leakage around the fittings.
Check for brake hose damage.

Fluid Level Inspection

- The brake fluid level in the front brake fluid reservoir must be kept above the line (lower level line) next to the gauge and that in the rear reservoir must be kept between the upper and lower level lines (reservoirs held horizontal).

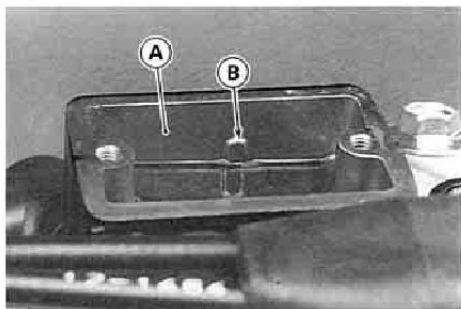


A. Front Reservoir
B. Lower Level Line



A. Rear Reservoir
B. Upper Level Line
C. Lower Level Line

- If the fluid level in each reservoir is lower than the lower level line, check for fluid leaks in the brake lines, and fill the reservoir to the upper level line. Inside the front reservoir is a stepped end showing the upper level line.



- A. Front Reservoir
- B. Upper Level Line

▲ WARNING

Do not mix two brands of fluid. Change the brake fluid in the brake line completely if the brake fluid must be refilled but the type and brand of the brake fluid that is already in the reservoir are unidentified.

Fluid Change

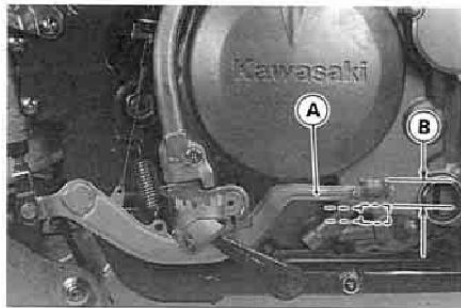
Have the brake fluid changed by an authorized Kawasaki dealer.

Brake Light Switches

When either the front or rear brake is applied, the brake light goes on. The front brake light switch requires no adjustment, but the rear brake light switch should be adjusted in accordance with the Periodic Maintenance Chart.

Inspection

- Start the engine.
- The brake light should go on when the front brake is applied.
- If it does not, ask your authorized Kawasaki dealer to inspect the front brake light switch.
- Check the operation of the rear brake light switch by depressing the brake pedal. The brake light should go on after about 10 mm (0.4 in.) of pedal travel.



A. Brake Pedal

B. 10 mm (0.4 in.)

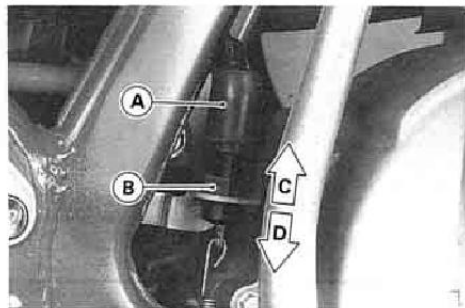
- If it does not, adjust the rear brake light switch.

Adjustment

- To adjust the rear brake light switch, move the switch up or down by turning the adjusting nut.

CAUTION

To avoid damaging the electrical connections inside the switch, be sure that the switch body does not turn during adjustment.

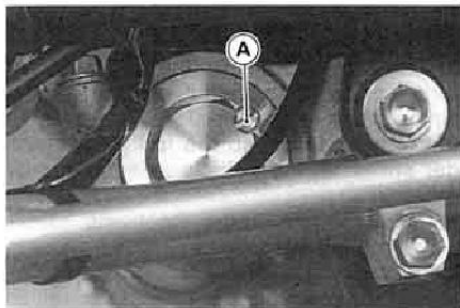


- A. Rear Brake Light Switch
- B. Adjusting Nut
- C. Lights sooner.
- D. Lights later.

Front Fork Air Pressure:

The standard air pressure in the front fork legs is atmospheric pressure. The air pressure in the fork legs increases as the fork heats up, so the fork action will get stiffer as the vehicle operation progresses.

- Using the jack under the frame, stabilize the motorcycle.
- Place a stand or block under the engine so that the front wheel is raised off the ground.
- Remove the screws at the top of the front fork top bolts. Then reinstall them.

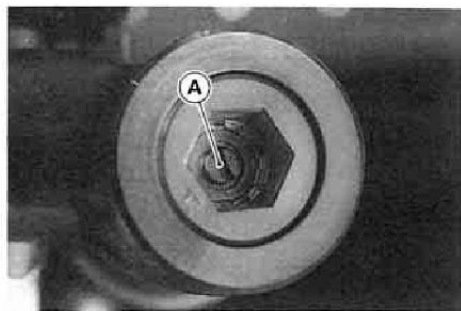


A. Screw

Compression Damping Adjustment:

- Using the jack under the frame, stabilize the motorcycle.
- Place a stand or block under the engine so that the front wheel is raised off the ground.
- Clean the bottom of the fork tubes.
- Remove the caps on the bottom of the fork tubes.
- To adjust compression damping, turn the adjuster on the front fork cylinder valve with the blade of a screwdriver

until you feel a click. Adjust the compression damping to suit your preference under special condition.

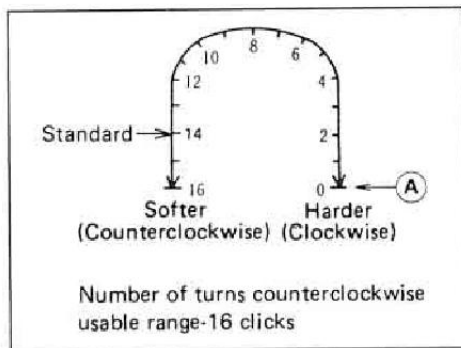


A. Adjuster

CAUTION

The left and right fork legs must have the same shock damping.

Compression Damping Adjustment



Rear Shock Absorber

The rear shock absorber can be adjusted by changing the spring preload and damping force for various riding and loading conditions.

Spring Preload Adjustment

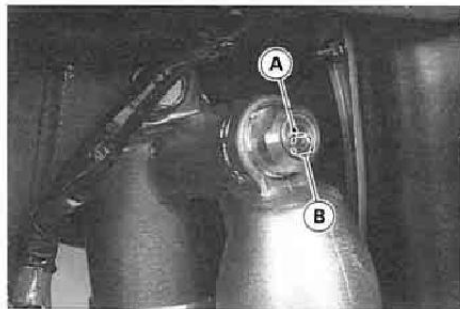
The spring preload adjusting nut on the rear shock absorber can be adjusted for different road and loading conditions.

If the spring action feels too soft or too stiff, have it adjusted by an authorized Kawasaki dealer.

Shock Damping Adjustment:

Compression Damping Adjustment

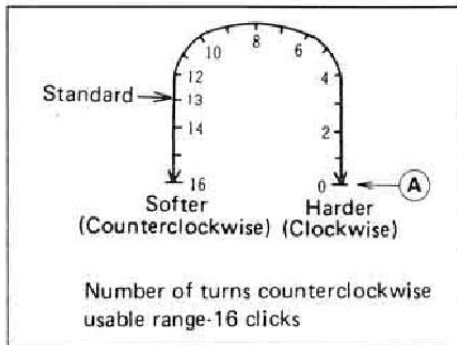
To adjust compression damping, turn the compression damping adjuster on the gas reservoir with the blade of a screwdriver until you feel a click.



A. Compression Damping Adjuster
B. Mark

If the damper setting feels too soft or too stiff, adjust it in accordance with the following table.

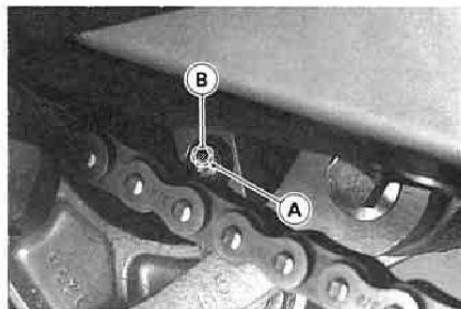
Compression Damping Adjustment



Rebound Damping Adjustment

To adjust rebound damping, turn the rebound damping adjuster on the rear shock absorber lower end with the

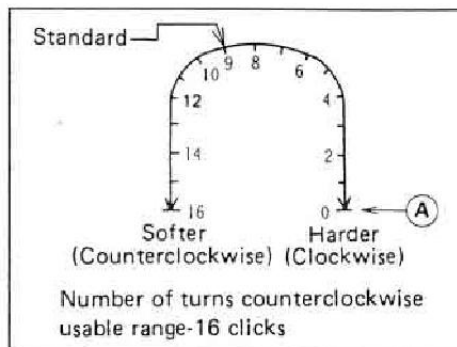
the blade of a screwdriver until you feel a click.



A. Rebound Damping Adjuster
B. Mark

If the damper setting feels too soft or too stiff, adjust it in accordance with the following table:

Rebound Damping Adjustment



A. Seated positions adjuster turned fully clockwise.

Wheels

Tires:

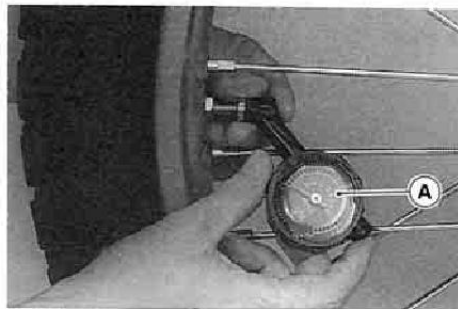
Payload and Tire Pressure

Failure to maintain proper inflation pressures or observe payload limits for your tires may adversely affect handling and performance of your motorcycle and can result in loss of control. The maximum recommended load in addition to vehicle weight is 100 kg (220 lb), including rider, baggage, and accessories.

- Check the tire pressure often, using an accurate gauge.

NOTE

- *Measure the tire pressure when the tires are cold (that is, when the motorcycle has not been ridden more than a mile during the past 3 hours).*
- *Tire pressure is affected by changes in ambient temperature and altitude, and so the tire pressure should be checked and adjusted when your riding involves wide variations in temperature or altitude.*



A. Tire Pressure Gauge

Tire Air Pressure (when cold)

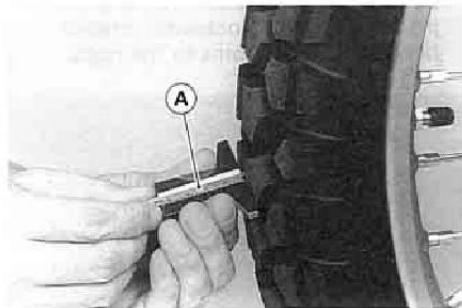
| | |
|-------|---|
| Front | 150 kPa (1.5 kg/cm ² , 21 psi) |
| Rear | 150 kPa (1.5 kg/cm ² , 21 psi) |

Tire Wear, Damage

As the tire tread wears down, the tire becomes more susceptible to puncture and failure. An accepted estimate is that 90% of all tire failures occur during the

last 10% of tread life (90% worn). So it is false economy and unsafe to use the tires until they are bald.

- In accordance with the Periodic Maintenance Chart, measure the depth of the tread with a depth gauge, and replace any tire that has worn down to the minimum allowable tread depth.



A. Tire Depth Gauge

Minimum Tread Depth

| | |
|----------------|----------------|
| Front and Rear | 2 mm (0.08 in) |
|----------------|----------------|

- Visually inspect the tire for cracks and cuts, replacing the tire in case of bad damage. Swelling or high spots indicate internal damage, requiring tire replacement.
- Remove any imbedded stones or other foreign particles from the tread.

NOTE

- Have the wheel balance inspected whenever a new tire is installed.

▲WARNING

To ensure safe handling and stability, use only the recommended standard tires for replacement, inflated to the standard pressure.

Standard Tire

| | |
|-------|---|
| Front | ○ 80/100-21 51P BRIDGESTONE TRAIL WING 51 |
| Rear | ○ 120/90-18 65P BRIDGESTONE TRAIL WING 52 |

▲WARNING

New tires are slippery and may cause loss of control and injury.

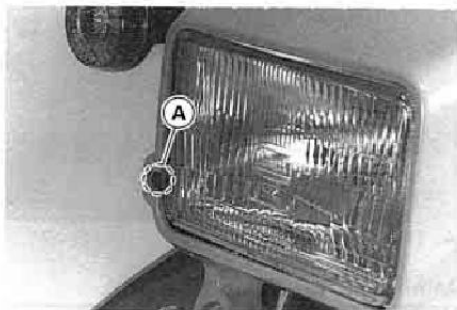
A break-in period of 160 km (100 miles) is necessary to establish normal tire traction. During break-in, avoid sudden and maximum braking and acceleration, and hard cornering.

Headlight Beam

Horizontal Adjustment

The headlight beam is adjustable horizontally. If not properly adjusted horizontally, the beam will point to one side rather than straight ahead.

- Turn the adjusting screw on the headlight rim in or out until the beam points straight ahead. Turning the adjusting screw clockwise makes the headlight beam point to the right.

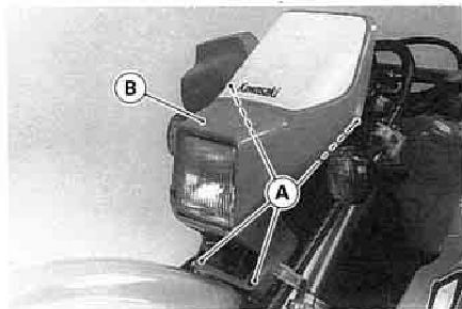


A. Adjusting Screw

Vertical Adjustment

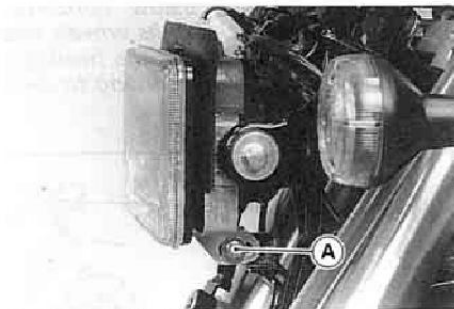
The headlight beam is adjustable vertically. If adjusted too low, neither low nor high beam will illuminate the road far enough ahead. If adjusted too high, the high beam will fail to illuminate the road close ahead, and the low beam will blind oncoming drivers.

- Remove the mounting screws, and take off the headlight cover.



A. Mounting Screws
B. Headlight Cover

- Loosen the lower headlight bolt, and adjust the headlight vertically.

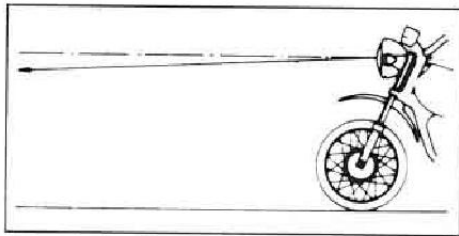


A. Lower Headlight Bolt

- Tighten the lower headlight bolt.
- Install the headlight cover, and tighten the mounting screws securely.

NOTE

- *On high beam, the brightest point should be slightly below horizontal with the motorcycle on its wheels and the rider seated. Adjust the headlight to the proper angle according to local regulations.*



CAUTION

When handling the quartz-halogen bulbs, never touch the glass portion with bare hands. Always use a clean cloth. Oil contamination from hands or dirty rags can reduce bulb life or cause the bulb to explode.

Cleaning

For the prolonged life of your motorcycle, wash it down immediately after it has been splashed with seawater or exposed to the sea breeze; operated on rainy days, rough roads, or in dusty areas; or operated on roads on which salt has been scattered for ice removal.

Preparations for Washing

Before washing, these precautions must be taken to keep water off the following places:

- Rear opening of muffler – Cover with the plastic bag secured with the rubber band.
- Clutch and brake levers, switch housings on the handlebar – Cover with plastic bags.
- Air cleaner intake – Close up the intake with tape, or stuff with rags.

Where to be Careful

Avoid spraying water with any great force near the following places:

- Meter instruments
- Headlight
- Disc brake master cylinders and calipers
- Under the fuel tank – If water gets into the ignition coil or into the spark plug cap, the spark will jump through the water and be grounded out. When this happens, the motorcycle will not start and the affected parts must be wiped dry.
- Front and rear wheel hubs
- Steering pivot (steering stem head pipe)
- Uni-trak system pivots.
- Swingarm pivot

NOTE

- *Coin operated, high pressure spray washers are not recommended. The water may be forced into bearings and other components causing eventual failure from rust and corrosion. Some*

of the soaps which are highly alkaline leave a residue or cause spotting.

After Washing

- Remove all plastic bags and tape, and clean the air cleaner intake.
- Lubricate pivots, bolts, and nuts.
- Test the brakes before motorcycle operation.
- Start the engine and run it for 5 minutes.

▲WARNING

Never wax or lubricate the brake discs. Loss of braking and an accident could result. Clean the discs with an oilless solvent such as trichloroethylene or acetone. Observe the solvent manufacturer's warnings.

- Remove the empty fuel tank, pour about 250 mL (½ pint) of motor oil into the tank, roll the tank around to coat the inner surfaces thoroughly, and pour out the excess oil.
- Remove the spark plug and put several drops of SE, SF or SG class SAE10W40 oil into the cylinder. Kick the engine over slowly a few times to coat the cylinder wall. Install the spark plug.

▲WARNING

Do not lean over the engine when performing this procedure. An air/oil mist may be forcibly ejected from the spark plug hole and could get into your eyes. If you do get some in your eyes, wash your eyes immediately with liberal amounts of clean, fresh water. Consult a physician as soon as possible.

- Reduce tire pressure by about 20%.
- Set the motorcycle on a box or stand so that both wheels are raised off the ground. (If this cannot be done, put boards under the front and rear wheels to keep dampness away from the tire rubber.)
- Spray oil on all unpainted metal surfaces to prevent rusting. Avoid getting oil on rubber parts or in the brakes.
- Lubricate the drive chain and all the cables.
- Tie a plastic bag over the muffler to prevent moisture from entering.
- Put a cover over the motorcycle to keep dust and dirt from collecting on it.

Preparation after Storage:

- Remove the plastic bag from muffler.
- Make sure the spark plug is tight.
- Fill the fuel tank with fuel.
- Check all the points listed in the Daily Safety Checks section.
- Lubricate pivots, bolts, and nuts.

KLX650-B3



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