



Includes:

- Important Safety Information**
- Operating Instructions**
- Maintenance and Storage**

Voyager[®]XT
Motorcycle

保存版

OWNER'S MANUAL



Quick Reference Guide

This Quick Reference Guide will assist you in finding the information you're looking for.

A Table of Contents is included after the Foreword.

**General
Information**

**How to Ride
the Motorcycle**

Safe Operation

**Maintenance and
Adjustment**

Storage

**Troubleshooting
Guide**

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.

⚠ WARNING

Do not operate the audio systems (AM radio, FM stereo radio, Cassette player or optional sound devices) at volumes so loud that they interfere with your ability to hear sirens, horns, or other warning signals.

IMPORTANT NOTICE

Some states under various statutes prohibit the wearing of "headphones" or "headsets" while operating a motor vehicle. While the mounting of audio speakers in motorcycle helmets does not convert them to "headphones" or "headsets," some states may prohibit use of the Voyager "Ground Control" helmet sound system under such statutes. Kawasaki advises you to determine the legality of the "Ground Control" helmet sound system prior to using it in any state.

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 Group

»»»»»»»»»» RIDING A LUXURY-EQUIPPED MOTORCYCLE ««««««««««

Driving the luxury-equipped motorcycle may be a relatively new experience, even for veteran riders. The numerous items of luxury equipment offer benefits of planned and integrated storage, entertainment, information, communication, comfort, quiet, and convenient adjustment for your personal tastes and various riding conditions. For most riders, operating this luxury-equipped motorcycle will require some adjustment in riding patterns and concentration on certain aspects of its characteristics and limitations. The following information is offered to make riders conscious of the necessary adjustments and to help prepare them for safe, enjoyable long-distance motorcycling.

CONTROLS AND DISPLAY OF A LUXURY-EQUIPPED MOTORCYCLE

The instrument panel and audio system are installed to help you accomplish your trip with confidence and enjoyment. The array of controls and adjustments offers a wide range of adaptability to help you harmonize the motorcycle with your riding needs. A "cockpit" so rich in displays and controls could be distracting to some riders. That possibility argues for special precaution and heightened awareness while riding this motorcycle. The following recommendations are based on common sense. It is hoped that you will bear with our concern for the rider's and passenger's safety when these warnings and advised:

⚠ WARNING

Ride Aware – Keep your eyes on the road and other vehicles. Refer to the audio system display only when traffic, speed, and road conditions permit momentary diversion of your attention without any risk of collision or loss of control.

Keep both hands on the handlebar grips, ready to operate the front brake and the throttle in response to emergency situations. The control module next to the left handgrip permits operation of most of the audio equipment with your hand on or near the handgrip.

Keep both feet on the footboards, ready to operate the rear brake and shift pedal in response to emergency situation.

Wait until the motorcycle is stopped to remove or insert clothing or other objects from or to the saddlebags, travel trunk, or fairing pockets. Also, stop the motorcycle before making any adjustments that require you to remove your hands from the handlebar grips.

PHYSICAL CHARACTERISTIC OF A LUXURY-EQUIPPED MOTORCYCLE

A luxury-equipped motorcycle, with its complement of storage, convenience, entertainment, and comfort appointments properly installed, is designed to optimize the rider's capabilities for long-distance travel. Compared to an equivalent, basic motorcycle without such a rich complement of luxury equipment, the luxury-equipped motorcycle appears large and imposing. In the same manner, the luxury-equipped motorcycle has some physical characteristics that differ from those of the basic motorcycle without so many features and appointments. Some of those different characteristics are noted here for the rider's information:

- The physical weight of the luxury-equipped motorcycle is greater.
- The center of gravity is located higher and more toward the rear of the luxury-equipped motorcycle.
- The weight distribution of the luxury-equipped motorcycle places a larger proportion of weight on the rear wheel and tire, with correspondingly less weight on the front wheel and tire.
- Blank angles (or "lean" angles) are reduced with the luxury-equipped motorcycle.
- The large surface areas of the windshield, fairing, saddlebags, and travel trunk increase the luxury-equipped motorcycle's susceptibility to aerodynamic effects when the motorcycle is in motion. While the motorcycle's greater weight tends to offset the effects of crosswinds and wind gusts, prudence dictates special caution when passing large vehicles or encountering winds across the direction of travel.

In view of these different characteristics and their consequent limitations on motorcycle operation, the following recommendations are offered with concern for the rider's and passenger's safety:

▲WARNING

Restrict handling maneuvers and vehicle speed to extra-prudent levels until you have gained familiarity with and confidence in this luxury-equipped motorcycle's capabilities and learned respect for its limitations. Remember its greater weight and different weight distribution and center of gravity, as well as its reduced bank angles, when planning and executing vehicle maneuvers. Failure to adapt your riding patterns to the characteristics of this luxury-equipped motorcycle may result in your expectations exceeding its physical limitations with a consequent loss of control and subsequent accident.

Do not exceed the vehicle speed of 130 km/h (80 mph) when carrying a passenger and/or cargo. Also adjust speed according to road and weather conditions, etc. The additional weight accentuates the luxury-equipped motorcycle's performance, handling characteristics and limitations. Failure to adjust the speed to compensate for added weight and other conditions may result in a loss of control and subsequent accident. Reduce speed and increase concentration on steering control when encountering windy conditions or when following or passing large vehicles, which can generate turbulent airflow in their paths. If wind conditions become too severe for safe travel, then stop until the condition subsides and safe travel can be resumed. Ignoring or failing to anticipate the adverse effects of wind and/or turbulent airflow may cause the motorcycle to become unstable or to veer from the intended path, with a consequent loss of control and subsequent accident.

NOTE

- *When operating on public roadways, keep max. speed under traffic law limits.*

»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»»» TABLE OF CONTENTS ««««««««««««««««««««««««««««««««««««

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DIMENSIONS

Overall Length	2,520 mm (99.21 in.)
Overall Width	965 mm (37.99 in.)
Overall Height	1,505 mm (59.25 in.)
Wheelbase	1,620 mm (63.78 in.)
Road Clearance	140 mm (5.51 in.)
Dry Weight	330 kg (728 lb) <Cal> 330.5 kg (729 lb)

ENGINE

Type	DOHC, 16-valve, 4-cylinder, 4-stroke, liquid-cooled
Displacement	1,196 mL (73.0 cu in.)
Bore x Stroke	78.0 x 62.6 mm (3.07 x 2.46 in.)
Compression Ratio	10.0 : 1
Starting System	Electric starter
Cylinder Numbering Method	Left to right, 1-2-3-4
Firing Order	1-2-4-3
Carburetors	Keihin CVK30 x 4
Ignition System	Battery and coil (transistorized ignition)
Ignition Timing (Electronically advanced)	10° BTDC @800 r/min (rpm)
Spark Plugs	NGK DPR8EA-9 or ND X24EPR-U9

Lubrication System
Engine Oil
Engine Oil Capacity
Coolant Capacity

Forced lubrication (wet sump)
SE, SF or SG class SAE 10W40, 10W50, 20W40, or 20W50
4.0 L (4.2 US qt)
3.8 L (4.0 US qt)

TRANSMISSION

Transmission Type
Clutch Type
Driving System
Primary Reduction Ratio
Final Reduction Ratio
Overall Drive Ratio
Gear Ratio: 1st
 2nd
 3rd
 4th
 5th
Final Gear Case Oil
Final Gear Case Oil Capacity

5-speed, constant mesh, return shift
Wet, multi disc
Shaft drive
1.706 (99/58)
2.424 (15/22 x 32/9)
3.470 (Top gear)
2.733 (41/15)
1.800 (36/20)
1.333 (32/24)
1.035 (29/28)
0.838 (26/31)
API GL-5 SAE80
210 mL (0.22 US qt)

FRAME

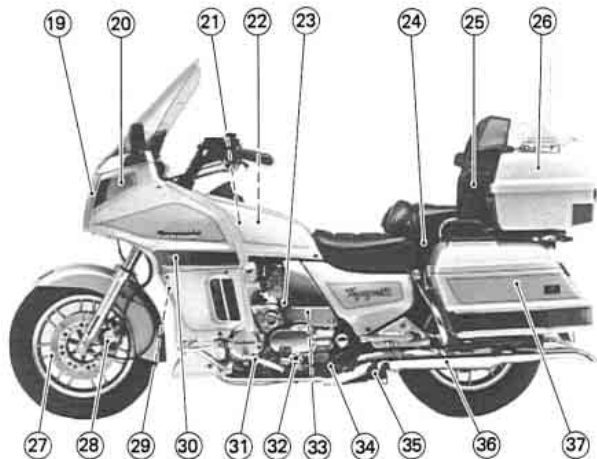
Castor	30°
Trail	121 mm (4.76 in.)
Tire Size: Front	M130/90-16 Tubeless
Rear	150/80R16 71V Tubeless
Fuel Tank Capacity	23.2 L (6.1 US gal)

ELECTRICAL EQUIPMENT

Battery	12 V 20 Ah
Headlight	12 V 60/55 W
Tail/Brake Light	12 V 8/27 W

<Cal> : California model

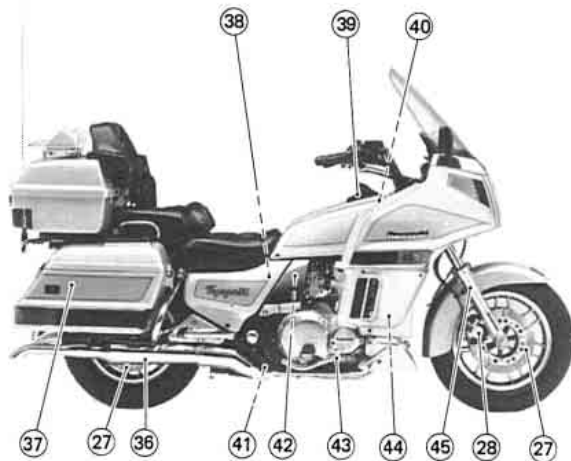
Specifications subject to change without notice.



- 19. Headlight
- 20. Turn Signal/Running
Position Light
- 21. Battery
- 22. Air Cleaner Element
- 23. Idle Adjusting Screw
- 24. Rear Shock Absorber
- 25. Passenger Switches

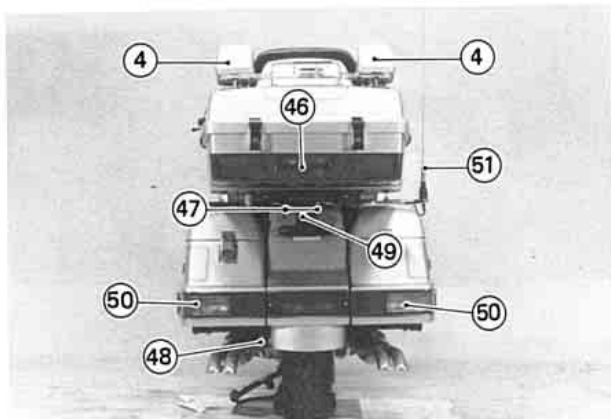
- 26. Travel Trunk
- 27. Brake Disc
- 28. Brake Caliper
- 29. Radiator
- 30. Side Marker Light
- 31. Shift Pedal

- 32. Oil Level Gauge
- 33. Oil Filler Plug
- 34. Side Stand
- 35. Center Stand
- 36. Muffler
- 37. Saddlebag



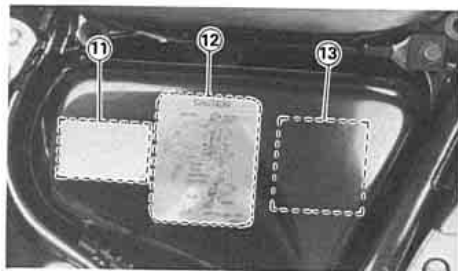
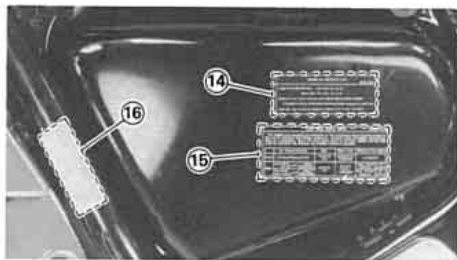
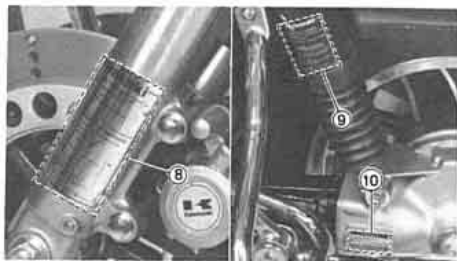
- 38. Fuel Tank
- 39. Cruise Control Unit
- 40. Fuse Case
- 41. Rear Brake Switch and
Rear Brake Light Switch

- 42. Brake Fluid Reservoir
(Rear)
- 43. Rear Brake Pedal
- 44. Horn
- 45. Front Fork

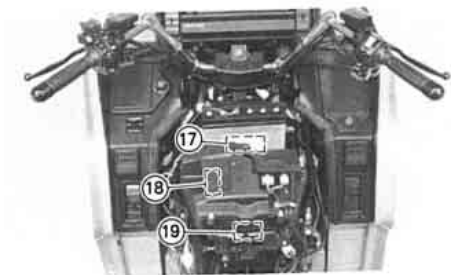


46. Tail/Brake Light
47. Helmet Hooks
48. Final Gear Case

49. License Plate Light
50. Turn Signal Light
51. Antenna



- 8. Air Suspension (Front Fork)
- 9. Air Suspension (Rear Shock Absorber)
- 10. Final Gear Case Oil
- *11. Vehicle Emission Control Information
- *12. Battery Vent Hose Routing
- **13. Fuel Tank
- 14. Engine Oil and Oil Filter
- 15. Tire and Load Data
- *16. Noise Emission Control Information



- 17. Battery Poison/Danger
- 18. Air Cleaner Intake
- 19. Vacuum Hose Routing Diagram
- 20. Brake Fluid (Rear)
- 21. Riding and Safety

*: only on US model

** : only on California model



1. Any passenger should be thoroughly familiar with motorcycle operation. The passenger can affect control of the motorcycle by improper positioning during cornering and sudden movements. It is important that the passenger sit still while the motorcycle is in motion and not interfere with the operation of the motorcycle. Do not carry animals on your motorcycle.
2. You should instruct any passenger before riding to keep his feet on the passenger footpegs and hold on to the operator, seat strap or grab rail. Do not carry a passenger unless he or she is tall enough to reach the footpegs and footpegs are provided.
3. All baggage should be carried as low as possible to reduce the effect on the motorcycle center of gravity. Baggage weight should also be distributed equally on both sides of the motorcycle. Avoid carrying baggage that extends beyond the rear of the motorcycle.
4. Baggage should be securely attached. Make sure that the baggage will not move around while you are riding. Recheck baggage security as often as possible (not while the motorcycle is in motion) and adjust as necessary.
5. Do not carry heavy or bulky items on a luggage rack. They are designed for light items, and overloading can affect handling due to changes in weight distribution and aerodynamic forces.
6. Do not install accessories or carry baggage that impairs the performance of the motorcycle. Make sure that you have not adversely affected any lighting components, road clearance, banking capability (i.e., lean angle), control operation, wheel travel, front fork movement, or any

other aspect of the motorcycle's operation.

7. Weight attached to the handlebar or front fork will increase the mass of the steering assembly and can result in an unsafe riding condition.
8. Fairings, windshields, backrests, and other large items have the capability of adversely affecting stability and handling of the motorcycle, not only because of their weight, but also due to the aerodynamic forces acting on these surfaces while the motorcycle is in operation. Poorly designed or installed items can result in an unsafe riding condition.
9. This motorcycle was not intended to be equipped with a sidecar or to be used to tow any trailer or other vehicle. Kawasaki does not manufacture sidecars or trailers for motorcycle and cannot predict the effects of such accessories on handling or stability,

but can only warn that the effects can be adverse and that Kawasaki cannot assume responsibility for the results of such unintended use of the motorcycle. Furthermore, any adverse effects on motorcycle components caused by the use of such accessories will not be remedied under warranty.

Maximum Load

Weight of rider, passenger, baggage, and accessories must not exceed 202 kg (445 lb).

This motorcycle is designed to carry up to two people and baggage. Before riding, make sure the motorcycle is not overloaded and that the load is distributed according to the following instructions.

PAYLOAD WEIGHT LIMITS			
Total Payload must not exceed. 202 kg (Includes driver, passenger, and all accessories and baggage in the travel trunk and saddlebags)	Travel Trunk Payload must not exceed. 10 kg (Includes all accessories and baggage in the travel trunk) (22 lb)		
		Each	Total
	Saddlebag Payload must not exceed. 10 kg (Includes all accessories and baggage in the saddlebags)	22 lb 22 lb	RH/ LH 20 kg 44 lb
Note: Standard equipment on this motorcycle includes a fairing, travel trunk, and two saddlebags. These standard items are included in the curb weight of the motorcycle. The Payload Weight Limits given above are for additions over and above these standard components.			

NOTE

- *Tire pressure (Pg. 130) and rear shock absorber (Pg.124) must be adjusted to suit the road and loading conditions.*

Speedometer and Tachometer

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 pushing the reset button.

The tachometer shows the engine speed in the revolutions per minute (r/min, rpm). On the right side of the tachometer face is a portion called the "red zone." Engine r/min (rpm) in the red zone is above maximum recommended engine speed and is also above the range for good performance.

CAUTION

Engine r/min (rpm) should not be allowed to enter the red zone; operation in the red zone will overstress the engine and may cause serious engine damage.

Fuel Gauge and Fuel Level Warning Light

The fuel gauge shows the amount of fuel in the fuel tank. When the needle comes near the E (empty) position or fuel level warning light is lit, refuel at the earliest opportunity. The warning light goes on whenever the fuel level in the fuel tank becomes lower than the predetermined level or the ignition key is in the ON position with the engine not running.

Coolant Temperature Gauge

This gauge shows the temperature of coolant. Ordinarily, the needle should stay within the white zone. If the needle reaches the red zone, stop the engine and check the coolant level in the reserve tank after the engine cools down.

CAUTION
Do not let the engine continue running when the gauge needle reaches the red zone. Prolonged engine operation will result in severe damage from overheating.

Indicator Lights

OIL: The oil pressure warning light goes on whenever the oil pressure is dangerously low or the ignition key is in the ON position with the engine not running, and goes off when the engine oil pressure is high enough. Refer to the Maintenance and Adjustment chapter for more detailed engine oil information.

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

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

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

HEAD LAMP: If either the high or low beam burns out, the reserve lighting system switches over to the remaining filament automatically, and lights the

headlight failure indicator light to show that the headlight bulb must be replaced.

OD: When the transmission is in the overdrive gear position, the overdrive indicator light is lit.

BATT: When the battery electrolyte level becomes lower than the predetermined level or the ignition key is in the ON position with the engine not running, the battery indicator light is lit.

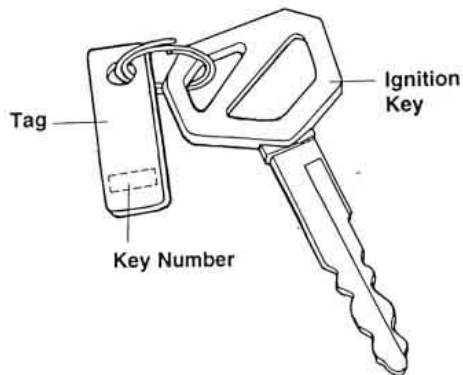
Key

This motorcycle has a combination key, which is used for the ignition switch/ steering lock, fuel tank cap cover, fairing pockets, helmet hooks, saddlebags, and travel trunk.

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, or using the key code on the tag with your keys.

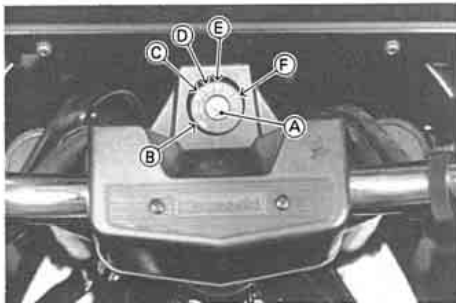
Record the code from the tag with your keys here. Participating Kawasaki dealers can use the code to make a new key in the event that your original keys are lost.

Write your key number here.



Ignition Switch/Steering Lock

This is a five position, key-operated switch. The key can be removed from the switch when it is in the OFF, LOCK, or P(Park) position.






- A. Ignition Switch/Steering Lock**
- B. LOCK position**
- C. OFF position**
- D. ACC position**
- E. ON position**
- F. P (Park) position**

OFF	Engine off. All electrical circuits off.
ACC	Engine off. All electrical circuits off except for the accessory leads and audio system.
ON	Engine on. All electrical equipment can be used.
LOCK	Steering locked. Engine off. All electrical circuits off.
P(Park)	Steering locked. Engine off. Tail and license plate lights on. Turn signal circuit on. All other electrical circuits cut off.

NOTE

- *The tail, running position, and license plate lights are on whenever the ignition key is in the ON position. The headlight goes on when the starter button is released after starting the engine. To avoid battery discharge, always start the engine immediately after turning the ignition key to "ON".*
- *If you leave the P (Park) position on for a long time (one hour), the battery may become totally discharged.*

To operate the ignition switch:

OFF  ACC  ON  P(PARK)

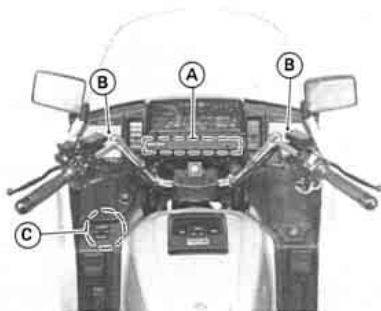
 3
b

1. Turn the handlebar fully to the left.
2. Turn the key.
3. a. For parking push down the key in the ON position and turn it to P (Park).
b. For locking push down the key in the OFF position and turn it to LOCK.

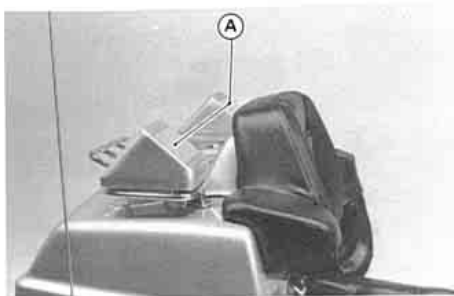
LOCK

AM/FM Stereo Radio and Cassette Player, Speakers and Fader Controller

Refer to the Voyager XII Audio Systems Operator's Manual for detailed information.



- A. AM/FM Stereo Radio and Cassette Player
- B. Speaker
- C. Fader Controller



A. Speakers

Radio Frequency/Time Display

This display on the AM/FM stereo radio and cassette player indicates both the radio frequency and the time. Ordinarily the time is indicated on the display even if the ignition switch is in the OFF position. Refer to the Voyager XII Audio Systems Operator's Manual for more detailed information.



A. Radio Frequency/Time Display

Right Handlebar Switches

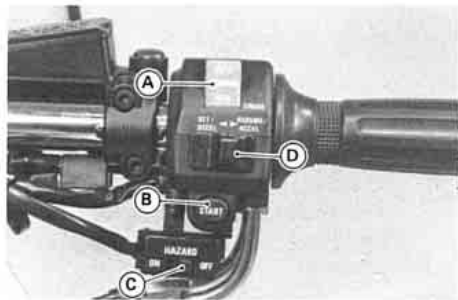
Engine Stop Switch

In addition to the ignition switch, the engine stop switch must be in the RUN position for the motorcycle to operate.

The engine stop switch is for emergency use. If some emergency requires stopping the engine, move the engine stop switch to the OFF position.

NOTE

○ *Although the engine stop switch stops the engine, it does not turn off all the electrical circuits. Ordinarily, the ignition switch should be used to stop the engine.*



- A. Engine Stop Switch
- B. Starter Button
- C. Hazard Switch
- D. Cruise Control Switch

Starter Button

The starter button operates the electric starter when pushed with the clutch lever pulled in or the transmission in neutral.

Refer to the Starting the Engine section of the "How to Ride the Motorcycle" chapter for starting instructions.

Hazard Switch

If an emergency requires you to park on the highway shoulder, turn on the hazard lights to warn other drivers of your location.

Push in the hazard switch with the ignition switch in the ON or P(Park) position. All the turn signals and turn signal indicator lights will flash on and off.

CAUTION
If you leave the switch on for a long time, the battery may become totally discharged. So be careful not to use the hazard lights for more than 30 minutes.

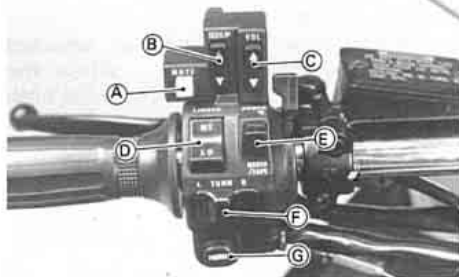
Cruise Control Switch

Refer to the Cruise Control system for detailed information.

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. Muting Switch
- B. Auto Seek Switch
(Program Change Switch in Cassette Mode)
- C. Volume Control Switch
- D. Dimmer Switch
- E. Radio/Tape Button
- F. Turn Signal Switch
- G. Horn Button



A. Passenger Switches

Turn Signal Switch

When the turn signal switch is turned to the L (left) or R (right), the corresponding turn signals flash on and off. The turn signal switch is automatically canceled after it has first been on for 4 seconds, and then the motorcycle has traveled an additional 50 m (164 ft).

Horn Button

When the horn button is pushed, the horn sounds.

Auto Seek Switch, Muting Switch, Volume Control Switch, Radio/Tape Button and Passenger Switches

Refer to the Voyager XII Audio Systems Operator's Manual for detailed information.

Cruise Control System

This motorcycle is equipped with Kawasaki's Cruise Control system which is designed to maintain any speed between 48 – 128 km/h (30 – 80 mph) in OD (5th gear). Use the Cruise Control system on straight, uncongested roads or high-ways.

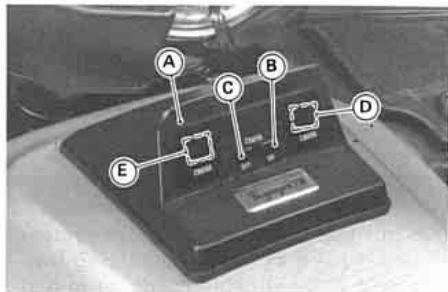
⚠ WARNING

Do not use the Cruise Control system when driving in heavy or varying traffic, on hills or winding roads, or in bad weather conditions.

NOTE

- *When operating on public roadways, keep max. speed under traffic law limits.*

Cruise Control Unit:



- A. Cruise Control Unit
- B. Power Switch
- C. Cancel Switch
- D. ON Indicator Light
- E. SET Indicator Light

○ Power Switch

When the power switch is pushed on, the Cruise Control system is ready to set.

○ Cancel Switch

When cancel switch is pushed on, the set cruising speed is canceled.

○ ON Indicator Light

When the power switch is pushed on, the ON indicator light comes on.

○ SET Indicator Light

When the motorcycle is running at a set speed, the SET indicator light is lit.

Cruise Control Switch:

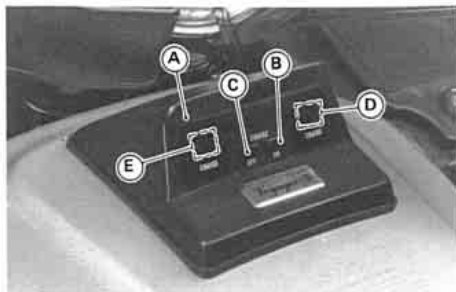
This switch has two positions: SET/DECEL and RESUME/ACCEL. These switch functions allow a cruising speed to be set or changed; the RESUME function can be used to return to the set speed after braking, changing gears, closing the throttle, or losing more than 8 km/h (5 mph) from the set speed on a hill.



- A. Cruise Control Switch
- B. SET/DECEL position
- C. RESUME/ACCEL position

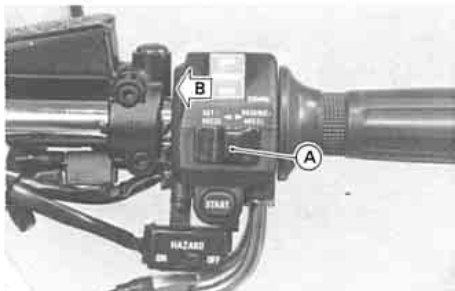
To Set the Cruise Control:

- Before starting, push the power switch of the cruise control unit to turn on the Cruise Control System. The ON indicator light will come on.



- A. Cruise Control Unit
- B. Power Switch
- C. Cancel Switch
- D. ON Indicator Light
- E. SET Indicator Light

- Accelerate to the desired speed.
- Push the cruise control switch to the SET/DECEL position. The SET indicator light will come on.

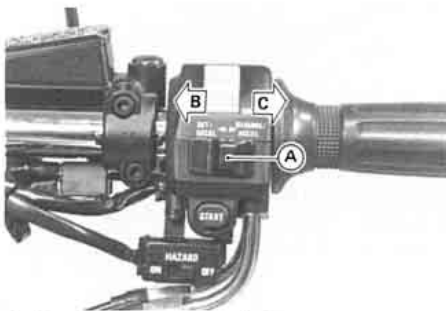


A. Cruise Control Switch
B. SET/DECEL position

- The speed you are going when you release the cruise control switch is the speed the Cruise Control will hold.

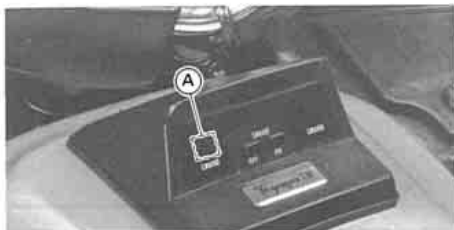
To Increase the Set Speed:

- For gradual acceleration, push the cruise control switch to the RESUME/ACCEL position until you reach the desired speed, and then release the switch. The Cruise Control system memory is now reprogrammed to the new set speed.



A. Cruise Control Switch
B. SET/DECEL position
C. RESUME/ACCEL position

- For faster acceleration, operate the throttle grip until you reach the desired speed, push the cruise control switch to the SET/DECEL position and then release it. The SET indicator light is lit.



A. SET Indicator Light

To Decrease the Set Speed:

- Push the cruise control switch to the SET/DECEL position until you slow down enough, and then release the switch. The Cruise Control system memory is now reprogrammed to the new set speed.
- For temporary acceleration above the set speed, such as for passing, use the throttle conventionally. When you want to return to the set speed, close the throttle and coast down without applying the front or rear brakes.

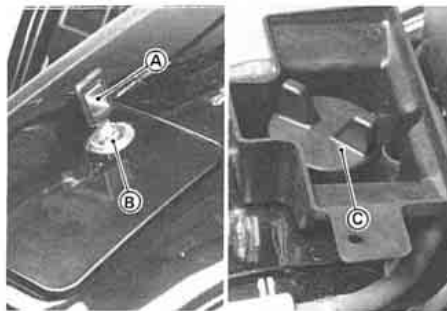
To Cancel the Cruise Control:

- The set speed can be canceled by any one of the following.
 - Pull the brake lever.
 - Pull the clutch lever.
 - Shift gears.
 - Step lightly on the brake pedal.
 - Close the throttle completely.
 - Push the cancel switch on the cruise control unit.
 - Turn the engine stop switch off.
 - Turn the ignition key to "OFF".

Fuel Tank Cap

To open the fuel tank cap, the ignition key into the fuel tank cap cover, turn the key to the right, and swing up the fuel tank cap cover. Then turn the fuel tank cap to the left, and remove the cap.

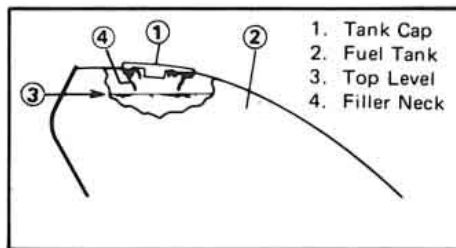
To close the fuel tank cap cover, install the fuel tank cap, and push the fuel tank cap cover back into place.



A. Ignition Key
B. Fuel Tank Cap Cover
C. Fuel Tank Cap

Fuel Tank

The following octane rating gasoline is recommended in the 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. Turn the ignition key to "OFF". 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 so the fuel level rises into the filler neck. If the tank is overfilled, heat may cause the fuel to expand and overflow through the vents in the tank cap. After refueling, make sure the fuel tank cap is closed securely. If gasoline is spilled on the fuel tank, wipe it off immediately.

CAUTION

California models only: Never fill the tank so the fuel level rises into the filler neck. If the tank is overfilled, heat may cause the fuel to expand and flow into the Evaporative Emission Control System resulting in hard starting and engine hesitation.

Fuel Requirements:

Fuel Type

Use clean, fresh unleaded gasoline with a minimum Antiknock Index of 87. The Antiknock Index is posted on service station pumps in the U.S.A. The octane rating of a gasoline is a measure of its resistance to detonation or "knocking." The Antiknock Index is an average of the Research Octane Number (RON) and the Motor Octane Number (MON) as shown in the table.

Octane Rating Method	Minimum Rating
Antiknock Index $\frac{(\text{RON} + \text{MON})}{2}$	87
Research Octane Number (RON)	91

CAUTION

If engine "knocking" or "pinging" occurs, use a different brand of gasoline of a higher octane rating. If this condition is allowed to continue it can lead to severe engine damage.

Gasoline quality is important. Fuels of low quality or not meeting standard industry specifications may result in unsatisfactory performance. Operating problems that result from the use of poor quality or nonrecommended fuel may not be covered under your warranty.

Fuels Containing Oxygenates

Gasoline frequently contains oxygenates (alcohols and ethers) especially in areas of the U.S. and Canada which are required to sell such reformulated fuels as part of a strategy to reduce exhaust emissions.

The types and volume of fuel oxygenates approved for use in unleaded gasoline by the U.S. Environmental Protection Agency include a broad range of alcohols and ethers, but only two components have seen any significant level of commercial use.

Gasoline/Alcohol Blends – Gasoline containing up to 10% ethanol (alcohol produced from agricultural products such as corn), also known as "gasohol" is approved for use.

CAUTION

Avoid using blends of unleaded gasoline and methanol (wood alcohol) whenever possible, and never use "gasohol" containing more than 5% methanol. Fuel system damage and performance problems may result.

Gasoline/Ether Blends - The most common ether is methyl tertiary butyl ether (MTBE). You may use gasoline containing up to 15% MTBE.

NOTE

○ *Other oxygenates approved for use in unleaded gasoline include TAME (up to 16.7%) and ETBE (up to 17.2%). Fuel containing these oxygenates can also be used in your Kawasaki.*

CAUTION

Never use gasoline with an octane rating lower than the minimum specified by Kawasaki.

Never use "gasohol" with more than 10% ethanol, or more than 5% methanol. Gasoline containing methanol must also be blended with cosolvents and corrosion inhibitors.

Certain ingredients of gasoline may cause paint fading or damage. Be extra careful not to spill gasoline or gasoline oxygenate blends during refueling.

When not operating your Kawasaki for 30 to 60 days, mix a fuel stabilizer (such as STA-BIL) with the gasoline in the fuel tank. Fuel stabilizer additives inhibit oxidation of the fuel which minimizes gummy deposits.

Never store this product with "gasohol" in the fuel system. Before storage it is recommended that you drain all fuel from the fuel tank and carburetors. See the Storage section in this manual.

Stands

The motorcycle is equipped with two stands: a center stand and a side stand.

NOTE

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

Support the motorcycle on a firm, level surface with the side or center stand.

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

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

NOTE

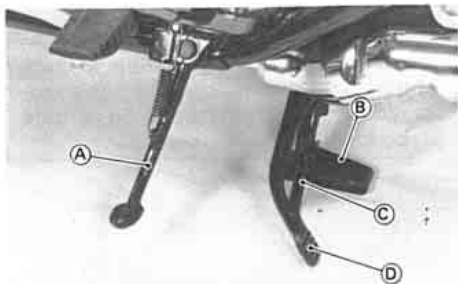
- The motorcycle is equipped with a side stand switch. This switch is designed so that the engine stops if the clutch is engaged with the transmission in gear when the side stand is left down.

To set the motorcycle up on the center stand:

- Set the motorcycle up on its side stand.
- Step down on the center stand arm so that the center stand legs contact the ground.
- Step down firmly on the center stand pedal, and lift the motorcycle up.

NOTE

- Do not pull up on the seat to lift as this will damage the seat.



- A. Side Stand
- B. Center Stand Arm
- C. Center Stand Leg
- D. Center Stand Pedal

Air Cleaner Intake

The air cleaner intake allows air to enter the engine. Never allow anything to restrict the flow of air into the air cleaner. A restricted air cleaner will reduce performance and increase exhaust emissions.



A. Air Cleaner Intake

Ventilation Louvers

This motorcycle has four ventilation louvers.

Open the louvers to direct air flow through the fairing for warm weather riding.

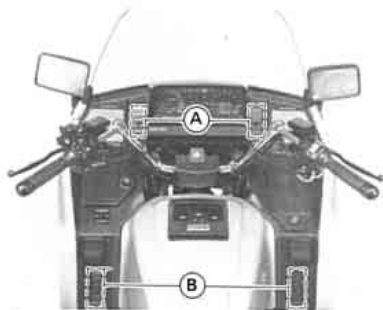
To open the louvers, pull them up.



A. Louver

⚠ WARNING

Do not adjust the ventilation louvers while riding the motorcycle. The motorcycle must be stopped in a safe place to adjust the louvers.



A. Louvers

Special Warning on the Use of Fairing Pockets Saddlebags, and Travel Trunk

When preparing to ride this motorcycle, always double-check the saddlebags and travel trunk for secure mounting in their respective brackets. Be certain the luggage holders fully engage saddlebags and travel trunk by attempting to remove them from their brackets. Make sure the lids and saddlebag pockets and fairing pockets are securely latched or locked.

⚠ WARNING

The sudden detachment or loss of a saddlebag or travel trunk one of the lids could distract or alarm the motorcycle rider, and the consequent loss of attention to road and traffic conditions could cause loss of control and a serious accident. Also the sudden change of vehicle balance resulting from the loss of a saddlebag or travel trunk could cause loss of control and a serious accident.

A dislodged lid or saddlebag or travel trunk could physically obstruct the motorcycle's path, or interfere in the path of a following motorcycle or other vehicle. This could cause a loss of control by one of the motorcycle riders or another vehicle driver with a consequent accident.

Keep all lids and pockets securely latched or locked when riding. A piece of clothing or other object could fall into the rear wheel which could result in rear wheel lockup and consequent skidding and loss of control.

⚠ WARNING

Make certain the fairing pockets are tightly closed, so as to prevent a loose object from interfering with the steering mechanism, vehicle controls, or the rider's attention to road and traffic conditions.

Do not rest, store, or attach objects in the area between the movable parts of the steering mechanism (including handlebar, front fork, etc.) and the fixed parts of the chassis (including fairing, fuel tank, frame, etc.). A loose object which lodges in the steering mechanism could cause loss of control and a serious accident.

Fairing Pockets

The left fairing pocket is a cassette storage area. Eight cassettes can be stored.

To open the right fairing pocket lid, turn the ignition key clockwise and pull up the lid.

To close the lid, turn the key counter-clockwise and pull it out.

To open the left fairing pocket lid, turn the key to the open position and pull up the lid.

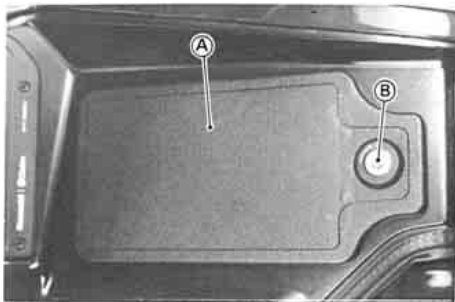
To close the lid, turn the key to the close position and pull it out.

CAUTION

Do not carry loads of more than 1 kg (2 lb) in each of the fairing pockets.

⚠ WARNING

It is dangerous to open the fairing pockets while riding the motorcycle. The motorcycle must be stopped in a safe place to open the fairing pockets.



A. Pocket

B. Lid Lock



A. Pocket

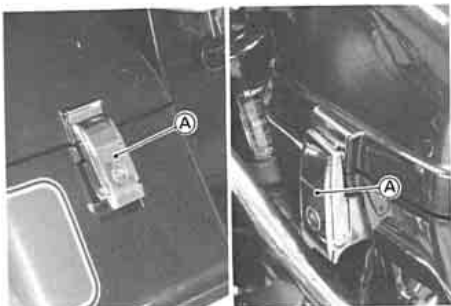
B. Lid Lock

Saddlebags and Saddlebag Pockets

Saddlebags are provided at both sides of the rear wheel to carry baggage. The saddlebag pockets are on top of the saddlebags.

To remove the saddlebag lid:

Insert the ignition key into each latch and unlock by turning the key clockwise. Then open the latches and pull up the lid.



A. Latch

To install the saddlebag lid:

Put the lid on the saddlebag and close both latches. Insert the ignition key into each latch and lock by turning the key counterclockwise, and then remove the key.

To remove the saddlebag:

Remove the lid from the saddlebag, pull the knob and unhook the saddlebag from the bracket. Then pull up the saddlebag.



A. Knob

To install the saddlebag:

Hook the saddlebag onto the saddlebag bracket, and push in the knob.

⚠ WARNING

When installing the saddlebags, be sure the locking pin is all the way in. If you can see the red line on the locking pin, it is not securely latched. Be sure the red line is out of sight. If the saddlebag is not secure, it could fall off while you are riding the motorcycle possibly causing a crash.



A. Saddlebag
B. Knob

C. Red Line

CAUTION

Do not carry loads of more than 10 kg (22 lb) in each saddlebag including its pocket.

Distribute loads equally on both sides to minimize imbalance.

Read the "Loading Information" chapter before loading.

Saddlebag Pockets

To open the saddlebag pocket lid, turn the knob clockwise and pull up the lid.

To close the lid, turn the knob clockwise, push down the lid, and release the knob.

CAUTION

Do not carry loads of more than 1 kg (2 lb) in each saddlebag pocket.

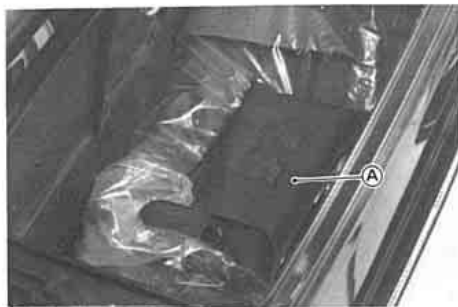


A. Pocket

B. Knob

Tool Kit

The tool kit is stored in the left saddlebag. the minor adjustments and replacement of parts explained in this manual can be performed with the tool kit.



A. Tool Kit

Travel Trunk

The travel trunk is provided at the rear of the motorcycle to carry baggage.

CAUTION

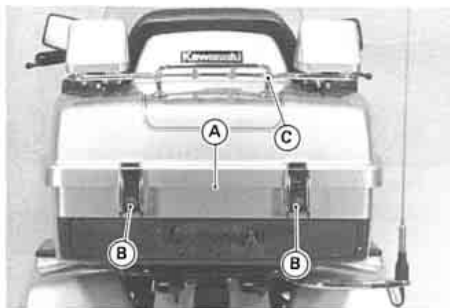
Do not carry loads of more than 10 kg (22 lb) in the travel trunk.
Read the "Loading Information" chapter before loading.

To open the travel trunk lid:

Insert the ignition key into the latch and unlock by turning the key clockwise, and then open the latches and pull up the lid. The travel trunk room light is lit.

To close the travel trunk lid:

Push the lid down until latched. Insert the ignition key into the latch and lock by turning the key counterclockwise, and pull out the key.



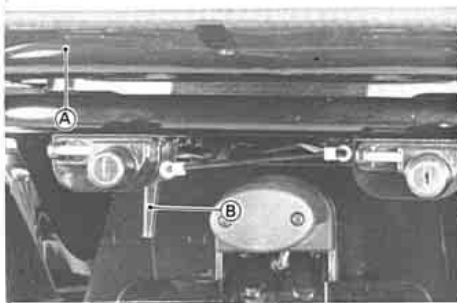
A. Travel Trunk

C. Rack

B. Latch

To adjust the trunk position:

The trunk can be set in three positions. Pull the trunk position adjust lever, and move the trunk toward the front or rear until you feel a click.



A. Trunk

B. Adjust Lever

⚠ WARNING

Never move the travel trunk while running the motorcycle. The motorcycle must be stopped in a safe place to adjust the travel trunk.

Vanity Mirror

The vanity mirror is located in the travel trunk lid.



A. Mirror

Rack

The motorcycle is equipped with a rack on the travel trunk.

CAUTION

Do not carry loads of more than 1 kg (2 lb) on the rack.

Rear Seat

The rear seat can be set in two positions. Pull up the seat position adjust lever, and move the rear seat toward the front or rear until you feel a click.

⚠ WARNING

Never move the seat while running the motorcycle. The motorcycle must be stopped in a safe place to adjust the rear seat.



A. Adjust Lever

Electric Accessory Leads

The electric power of the battery can be used through the electric accessory leads regardless of ignition switch position. Observe and follow the notes listed below.

Electric Accessory Leads

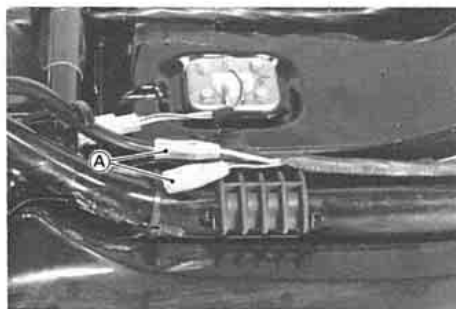
Location	Polarity	Lead Color
Under	(+)	White/Yellow
Seat	(-)	Black/Yellow
Maximum Current : 10A		

⚠ WARNING

Take care not to pinch any lead between other parts to avoid a short circuit.

CAUTION

Whenever you leave the motorcycle, stop using the electric accessories. Be careful not to discharge the battery totally. For example, if a current of 20 amperes is continuously taken out with the engine stopped, even an originally-fully-charged battery may become totally discharged in about 20 minutes.



A. Accessory Leads

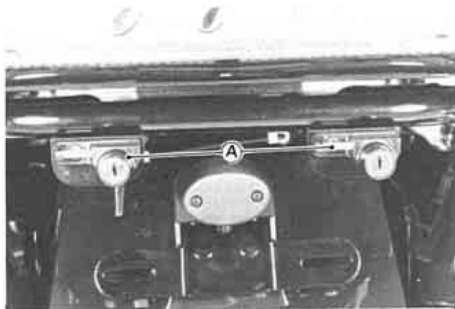
Helmet Hooks

Helmets can be secured to the motorcycle using the helmet hooks.

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

⚠ WARNING

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



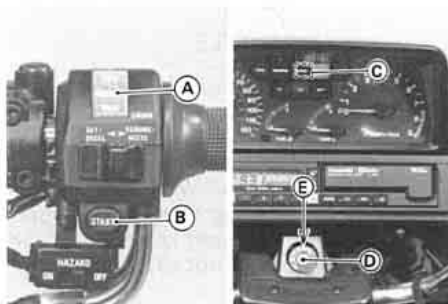
A. Helmet Hooks

In addition to the above, at 800 km (500 mi) it is extremely important that the owner have the initial maintenance service performed by a competent mechanic following the procedures in the Service Manual.

»»»»»»»»»»»»»»»» HOW TO RIDE THE MOTORCYCLE ««««««««««««««««

Starting the Engine

- Check that the engine stop switch is in the RUN position.
- Turn the ignition key to "ON".
- Make certain the transmission is in neutral.



- A. Engine Stop Switch
- B. Starter Button
- C. Neutral Indicator Light
- D. Ignition Switch
- E. ON position

- If the engine is cold, pull the choke lever all the way.

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 Lever

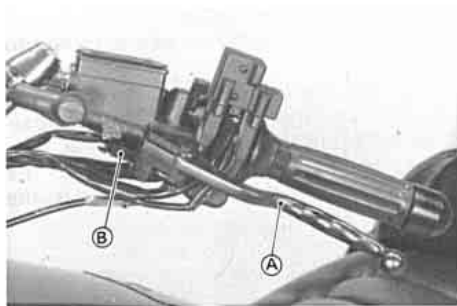
- Leaving the throttle completely closed, push the starter button.

CAUTION

Do not operate the starter continuously for more than 5 seconds or the starter will overheat and the battery power will drop temporarily. Wait 15 seconds between each operation of the starter to let it cool and the battery power recover.

NOTE

- If the engine is flooded, crank the engine over with the throttle fully open until the engine starts.
- The motorcycle is equipped with a starter lockout switch. This switch prevents the electric starter from operating when the clutch is engaged and the transmission is not in neutral.



A. Clutch Lever
B. Starter Lockout Switch

- Gradually return the choke lever back a little at a time as necessary to keep the engine speed below 2,000 r/min (rpm) during warm-up.
- When the engine is warmed up enough to idle without using the choke, return the choke lever all the way back.

NOTE

If you drive the motorcycle before the engine is warmed up, return the choke to the off position as soon as you start moving.

CAUTION

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

Jump Starting

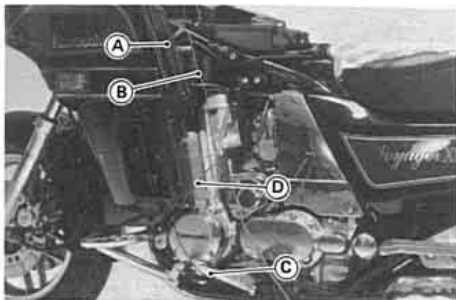
If your motorcycle battery is "run down," it should be removed and charged. If this is not practical, a 12 volt booster battery and jumper cables may be used to start the engine.

⚠WARNING

Battery acid generates hydrogen gas which is flammable and explosive under certain conditions. It is present within a battery at all times, even in a discharged condition. Keep all flames and sparks (cigarettes) away from the battery. Wear eye protection when working with a battery. In the event of battery acid contact with skin, eyes, or clothing, wash the affected areas immediately with water for at least five minutes. Seek medical attention.

Connecting Jumper Cables

- Make sure the ignition key is turned to "OFF."
- Remove the dummy tank cover.
- Connect a jumper cable from the positive (+) terminal of the booster battery to the terminal connected to the positive (+) battery terminal at the starter relay.



- A. Battery-connected Starter Relay Terminal
- B. From Booster Battery Positive (+) Terminal
- C. Unpainted Metal Surface
- D. From Booster Battery Negative (-) Terminal

- Connect another jumper cable from the negative (-) terminal of the booster battery to your motorcycle rear brake pedal or other unpainted metal surface. Do not use the negative (-) terminal of the battery.

▲WARNING

Do not make this last connection at the carburetor or battery. Take care that you do not touch the positive and negative cables together, and do not lean over the battery when making this last connection. Do not jump start a frozen battery. It could explode.

Do not reverse polarity by connecting positive (+) to negative (-), or a battery explosion and serious damage to the electrical system may occur.

- Follow the standard engine starting procedure.

CAUTION

Do not operate the starter continuously for more than 5 seconds or the starter will overheat and the battery power will drop temporarily. Wait 15 seconds between each operation of the starter to let it cool and the battery power recover.

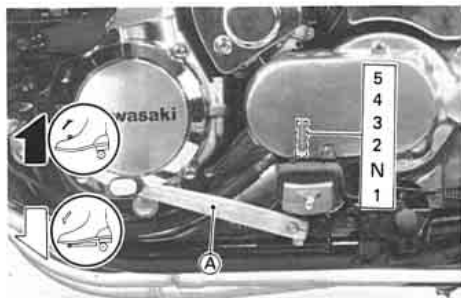
- After the engine has started, disconnect the jumper cables. Disconnect the negative (-) cable from the motorcycle first.
- Install the removed parts.

Moving Off

- Check that the side stand and center stand are 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.

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 is left down.*



A. Shift Pedal

Shifting Gears

- Close the throttle while pulling in the clutch lever.
- Shift into the next higher or lower gear. For smooth riding, each gear position should cover the proper rate of speed shown in the table.

⚠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 below 5,000 r/min (rpm) for each gear.

Vehicle speed when shifting

Shifting up	km/h(mph)	Shifting down	km/h(mph)
1st → 2nd	15(9)	5th → 4th	30(19)
2nd → 3rd	25(15)	4th → 3rd	25(15)
3rd → 4th	35(21)	3rd → 2nd	20(12)
4th → 5th	45(27)	2nd → 1st	15(9)

- Open the throttle part way, while releasing the clutch lever.

NOTE

- *The transmission is equipped with a positive neutral finder. When the motorcycle is standing still, the transmission cannot be shifted past neutral from 1st gear. To use the positive neutral finder, shift down to 1st gear, then lift up on the shift pedal while standing still. The transmission will shift only into neutral.*

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.

CAUTION

In order to protect the emission control parts, do not turn off the ignition switch when the motorcycle is in motion.



A. Front Brake Lever



A. Rear Brake Pedal

Stopping the Engine

- Close the throttle completely.
- Shift the transmission into neutral.
- Turn the ignition key to "OFF".
- Support the motorcycle on a firm, level surface with the side or center 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 and turn the ignition key to "OFF".
- Support the motorcycle on a firm, level surface with the side or center 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.

NOTE

- *When stopping near traffic at night, you can leave the taillight on for greater visibility by turning the ignition key to the P (Park) position.*
- *Do not leave the ignition switch at P position too long, or the battery will discharge.*

WARNING

Do not permit children or other persons who are unfamiliar with motorcycles to sit on a parked motorcycle or lean against it. The stand may be retracted accidentally, and the falling motorcycle could injure someone. Further, do not permit children or other persons who are unfamiliar with motorcycles to get close to the motorcycle when it is hot. They may touch a hot portion of the engine or exhaust system and receive a serious burn.

On rainy days, rely more on the throttle to control vehicle speed and less on the front and rear brakes. The throttle should also be used judiciously to avoid skidding the rear wheel from too rapid acceleration or deceleration.

Riding at the proper rate of speed and avoiding unnecessarily fast acceleration are important not only for safety and low fuel consumption but also for long vehicle life and quieter operation.

When riding in wet conditions or on loose roadway surfaces, the ability to maneuver will be reduced. All of your actions should be smooth under these conditions. Sudden acceleration, braking or turning may cause loss of control.

On rough roads, exercise caution, slow down, and grip the fuel tank with the knees for better stability.

When quick acceleration is necessary as in passing, shift to a lower gear to obtain the necessary power.

Do not downshift at too high an r/min (rpm) to avoid damage to the engine from overrevving.

Avoiding unnecessary weaving is important to the safety of both the rider and other motorists.

Daily Safety Checks

Check the following items each day before you ride. The time required is minimal, and habitual performance of these checks will help ensure you a safe, reliable ride.

If any irregularities are found during these checks, refer to the Maintenance and Adjustment chapter or see your dealer for the action required to return the motorcycle to a safe operating condition.

⚠ WARNING

Failure to perform these checks every day before you ride may result in serious damage or a severe accident.

- Fuel Adequate supply in tank, no leaks.
Engine oil Oil level between level lines.
Tires..... Air pressure (when cold):

Front	_____	225 kPa 2.25 kg/cm ² , 32 psi)
Rear	Up to 120 kg (265 lb) load	225 kPa (2.25 kg/cm ² , 32 psi)
	120 ~ 202 kg (265 ~ 445 lb) load	280 kPa (2.80 kg/cm ² , 40 psi)

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 ~ 4 mm (0.08 ~ 0.16 in.).
Clutch	No clutch fluid leakage.
Coolant	No coolant leakage. Coolant level between level lines (when engine is cold).
Final Gear Case	No oil leakage.
Electrical equipment.....	All lights and horn work.
Engine stop switch.....	Stops engine.
Side and center stand	Return to their fully up positions by spring tension. Return springs not weak or not damaged.

Refer to the "Daily Safety Checks" caution label attached to the back of the travel trunk lid.

Additional Considerations for High Speed Operation

⚠WARNING

Handling characteristics of a motorcycle at high speeds may vary from those you are familiar with at legal highway speeds. Do not attempt high speed operation unless you have received sufficient training and have the required skills.

Brakes: The importance of the brakes, especially during high speed operation, cannot be overemphasized. Check to see that they are correctly adjusted and 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: High speed operation is hard on tires, and good tires are crucial for riding safety. Examine their overall condition, inflate to the proper pressure, and check the wheel balance.

Spark Plugs: For demanding operation such as racing, install spark plugs with one heat range colder spark plugs NGK DPR9EA-9 or ND X27EPR-U9.

Fuel: Have sufficient fuel for high fuel consumption during high speed operation.

Engine Oil: To avoid engine 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.

Final Gear Case Oil: To avoid seizure and resulting loss of control, make certain the oil level is correct.

Electrical Equipment: Make certain that the headlight, tail/brake light, turn signals, horn, etc., all work properly.

Miscellaneous: Make certain that all nuts and bolts are tight and that 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.

EMISSION CONTROL INFORMATION

To protect the environment in which we all live, Kawasaki has incorporated crankcase emission (1) and exhaust emission (2) control systems in compliance with applicable regulations of the United States Environmental Protection Agency and California Air Resources Board. Additionally, Kawasaki has incorporated an evaporative emission control system (3) in compliance with applicable regulations of the California Air Resources Board on vehicle sold in California only.

1. Crankcase Emission Control System

This system eliminates the release of crankcase vapors into the atmosphere. Instead, the vapors are routed through an oil separator to the intake side of the engine. While the engine is operating, the vapors are drawn into the combustion chamber, where they are burned along with the fuel and air supplied by the carburetors.

2. Exhaust Emission Control System

This system reduces the amount of pollutants discharged into the atmosphere by the exhaust of this motorcycle. The fuel and ignition systems of this motorcycle have been carefully designed and constructed to ensure an efficient engine with low exhaust pollutant levels.

3. Evaporative Emission Control System

Vapors caused by fuel evaporation in the fuel system are not vented into the atmosphere. Instead, fuel vapors are routed into the running engine to be burned, or stored in a canister when the engine is stopped. Liquid fuel is caught by a vapor separator and returned to the fuel tank.

High Altitude Performance Adjustment Information

To improve the EMISSION CONTROL PERFORMANCE of vehicles operated above 4,000 feet, Kawasaki recommends the following Environmental Protection Agency (EPA) approved modification.

NOTE

- *When properly performed, these specified modifications only are not considered to be emissions system "tampering" and vehicle performance is generally unchanged as a result.*

Installation Instructions:

High altitude adjustment requires replacement of certain carburetor components. Installation of these optional parts may be performed by an authorized Kawasaki dealer, or the consumer, following repair recommendations specified in the appropriate Kawasaki Service Manual.

MAINTENANCE AND WARRANTY

Proper maintenance is necessary to ensure that your motorcycle will continue to have low emission levels. This Owner's Manual contains those maintenance recommendations for your motorcycle. Those items identified by the Periodic Maintenance Chart are necessary to ensure compliance with the applicable standards.

As the owner of this motorcycle, you have the responsibility to make sure that the recommended maintenance is carried out according to the instructions in this Owner's Manual at your own expense.

The Kawasaki Limited Emission Control System Warranty requires that you return your motorcycle to an authorized Kawasaki dealer for remedy under warranty. Please read the warranty carefully, and keep it valid by complying with the owner's obligations it contains.

You should keep a maintenance record for your motorcycle. To assist you in keeping this record, we have provided space on pages 156 through 160 of this manual where an authorized Kawasaki dealer, or someone equally competent, can record the maintenance. You should also retain copies of maintenance work orders, bills, etc., as verification of this maintenance.

TAMPERING WITH NOISE CONTROL SYSTEM PROHIBITED:

Federal law prohibits the following acts or the causing thereof: (1) 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, or (2) the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

Among those acts presumed to constitute tampering are the acts listed below:

- Replacement of the original exhaust system or muffler with a component not in compliance with Federal regulations.
- Removal of the muffler(s) or any internal portion of the muffler(s).
- Removal of the air box or air box cover.
- Modifications to the muffler(s) or air intake system by cutting, drilling, or other means if such modifications result in increased noise levels.

Periodic Maintenance Chart

Frequency		*Odometer Reading km (mi)							
		Whichever comes first ↓	800 (500)	5,000 (3,000)	10,000 (6,000)	15,000 (9,000)	20,000 (12,000)	25,000 (15,000)	30,000 (18,000)
Operation		Every							See Page
Emission Related	Carburetor synchronization -check †		●	●	●	●	●	●	113
	Idle speed-check †		●	●	●	●	●	●	113
	Throttle grip play-check †		●		●		●		110
	Spark plug-clean and gap †			●	●	●	●	●	102
	Air suction valve-check †			●	●	●	●	●	106
	Air cleaner element-clean		●		●		●		107
	Fuel system-check †				●		●		140
	Cylinder head bolt tightness - check †		●		●		●		147
Non-Emission	Evaporative emission control system (C)-check †		●	●	●	●	●	●	105
	Brake light switch-check †		●	●	●	●	●	●	120
	Brake pad wear-check †			●	●	●	●	●	117

Frequency		*Odometer Reading km (mi)								
		Whichever comes first ↓	800 (500)	5,000 (3,000)	10,000 (6,000)	15,000 (9,000)	20,000 (12,000)	25,000 (15,000)	30,000 (18,000)	See Page
Non-Emissions Related	Operation	Every								
	Brake/clutch fluid level-check †	month	●	●	●	●	●	●	●	115,117
	K Brake/clutch fluid-change	2 years					●			115,117
	K Steering-check †		●	●	●	●	●	●	●	—
	Final gear case oil level-check †				●		●		●	99
	Final gear case oil-change		●						●	99
	K Propeller shaft joint-lubricate				●				●	—
	Nut, bolt, and fastener tightness -check †		●		●		●		●	147
	Tire wear-check †			●	●	●	●	●	●	130
	Engine oil-change	year	●		●		●		●	91
	Oil filter-replace		●		●		●		●	91
	General lubrication-perform			●	●	●	●	●	●	142
	K Front fork oil-change								●	—
	K Swingarm pivot-lubricate				●		●		●	—
	Coolant-change	2 years							●	96
	Radiator hoses, connections -check †	year	●		●		●		●	95

Frequency		*Odometer Reading km (mi)								
		Whichever comes first ↓	800 (500)	5,000 (3,000)	10,000 (6,000)	15,000 (9,000)	20,000 (12,000)	25,000 (15,000)	30,000 (18,000)	See Page
Operation		Every								
Non-Emissions Related	Air cleaner oil drain reservoir -check		●	●	●	●	●	●	●	109
	K Steering stem bearing-lubricate	2 years					●			—
	K Brake/clutch master cylinder cup and dust seal-replace	2 years								—
	K Caliper piston seal and dust seal-replace	2 years								—
	K Caliper slave cylinder piston seal-replace	2 years								—
	K Brake/clutch hose and pipe-replace	4 years								—
	K Fuel hose-replace	4 years								—

K : Should serviced by an authorized Kawasaki dealer.

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

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

(C) : California model only

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 replace the 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.

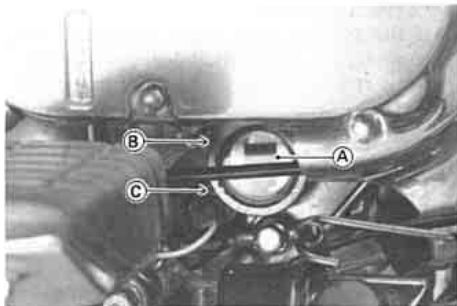
Oil Level Inspection

- If the oil has just been changed, start the engine and run it for several minutes at idle speed. This fills the oil filter with oil. Stop the engine, then wait several minutes until the oil settles.

CAUTION

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

- If the motorcycle has just been used, wait several minutes for all the oil to drain down.
- Check the engine oil level through the oil level gauge. With the motorcycle held level, the oil level should come up between the upper and lower level lines next to the gauge.



A. Oil Level Gauge
B. Upper Level Line
C. Lower Level Line

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

CAUTION

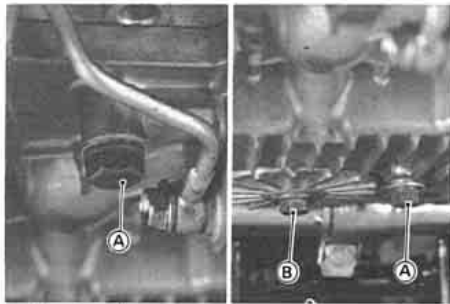
If the engine oil gets extremely low or if the oil pump does not function properly or oil passages are clogged, oil pressure warning light will light. If this light stays on when the engine speed is above 1,200 r/min (rpm), stop the engine immediately and find the cause.



A. Oil Pressure Warning Light

Oil and/or Oil Filter Change

- Warm up the engine thoroughly, and then stop it.
- Place an oil pan beneath the engine.
- Remove the engine oil drain plugs.



A. Drain Plug

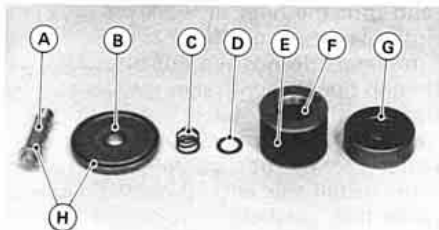
B. Oil Filter Mounting Bolt

- Let the oil completely drain with the motorcycle perpendicular to the ground.

⚠ 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 replaced, remove the oil filter mounting bolt and drop out the oil filter.
- Replace the oil filter element with a new one.



A. Mounting Bolt
B. Filter Cover
C. Spring
D. Flat Washer

E. Element
F. Grommet
G. Element Fence
H. O-Ring

NOTE

- *Check for O-ring damage. If necessary, replace them with new ones.*
- *When installing the oil filter, make sure the O-rings are in place.*
- Apply a little engine oil to the O-ring on the filter mounting bolt, fit the filter cover on the bolt, and install the spring and flat washer.
- Apply a little engine oil to the grommets on both sides of the element, and turn the filter to work the element into place. Be careful that the element grommets do not slip out of place.
- Install the element fence on the bolt.
- Install the oil filter, tightening its mounting bolt to the specified torque.
- After the oil has completely drained out, install the engine oil drain plugs with their gaskets. Proper torque for them are shown in the table.

NOTE

- *Replace the damaged gasket with a new one.*

- Fill the engine up to the upper level line with a good quality engine oil specified in the table.
- Check the oil level.

Tightening Torque

Engine Oil Drain Plugs:

29 N·m (3.0 kg·m, 22 ft·lb)

Oil Filter Mounting Bolt:

20 N·m (2.0 kg·m, 14.5 ft·lb)

Engine Oil

Grade: SE, SF or SG class

Viscosity: SAE 10W40, 10W50,
20W40, or 20W50

Capacity: 3.2 L (3.4 US qt)
[when filter is not removed]
3.5 L (3.7 US qt)
[when filter is removed]
4.0 L (4.2 US qt)
[when filter is completely
dry]

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, even with the ignition switch off. Keep your hands and clothing away from the fan blades at all times.

CAUTION

Using high-pressure water, as from a 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.

Information for Coolant

To protect the cooling system (consisting of the aluminum engine and radiator) from rust and corrosion, the use of corrosion and rust inhibitor chemicals in the coolant is essential. If coolant containing corrosion and rust inhibitor chemicals is not used, over a period of time, the cooling system accumulates rust and scale in the water jacket and radiator. This will clog up the coolant passages, and considerably reduce the efficiency of the cooling system.

⚠ WARNING

Use coolant containing corrosion inhibitors made specifically for aluminum engines and radiators in accordance with the instructions of the manufacturer. Chemicals are harmful to the human body.

Soft or distilled water must be used with the antifreeze (see below for antifreeze) in the cooling system.

CAUTION

If hard water is used in the system, it causes scale accumulation in the water passages, and considerably reduces the efficiency of the cooling system.

If the lowest ambient temperature encountered falls below the freezing point of water, use permanent antifreeze in the

coolant to protect the cooling system against engine and radiator freeze-up, as well as from rust and corrosion.

Use a permanent type of antifreeze (soft water and ethylene glycol plus corrosion and rust inhibitor chemicals for aluminum engines and radiators) in the cooling system. On the mixture ratio of coolant, choose the suitable one referring to the relation between freezing point and strength directed on the container.

CAUTION

Permanent types of antifreeze on the market have anti-corrosion and anti-rust properties. When it is diluted excessively, it loses its anti-corrosion property. Dilute a permanent type of antifreeze in accordance with the instructions of the manufacturer.

NOTE

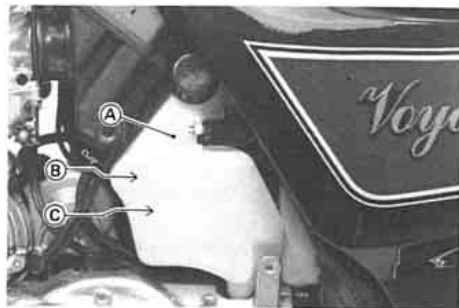
- A permanent type of antifreeze is installed in the cooling system when shipped. It is colored green and contains ethylene glycol. It is mixed at 50% and has the freezing point of -35°C (-31°F).

Coolant Level Inspection

- Situate the motorcycle so that it is perpendicular to the ground (on its center stand).
- Remove the reserve tank cover.
- Check the coolant level in the reserve tank. The coolant level should be between the FULL and LOW marks.

NOTE

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



A. Reserve Tank
B. FULL Mark

C. LOW Mark

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

Final Gear Case Oil

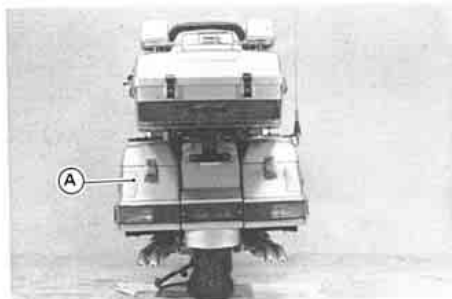
In order for the pinion and ring gears in the final gear case to function properly, check the oil level, and change the oil in accordance with the Periodic Maintenance Chart.

⚠ WARNING

Motorcycle operation with insufficient, deteriorated, or contaminated oil causes accelerated wear and may result in seizure of the pinion and ring gears. Seizure can lock the rear wheel and skid the rear tire, with consequent loss of control.

Oil Level Inspection

- Put the motorcycle on its center stand.
- Remove the left saddlebag. Refer to the Saddlebags and Pockets section of the "General Information" chapter to remove the saddlebag.



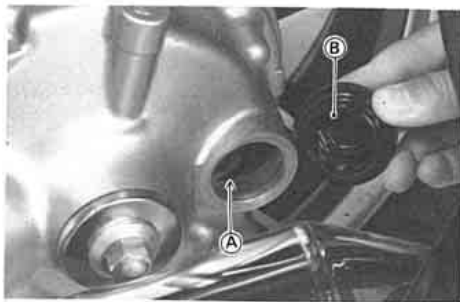
A. Left Saddlebag

- Remove the filler cap.

CAUTION

Be careful not to allow any dirt or foreign materials to enter the gear case.

- Check the oil level. If it is low, add oil as necessary. The oil level should come to the bottom thread of the filler opening.



A. Bottom Thread B. Filler Cap

NOTE

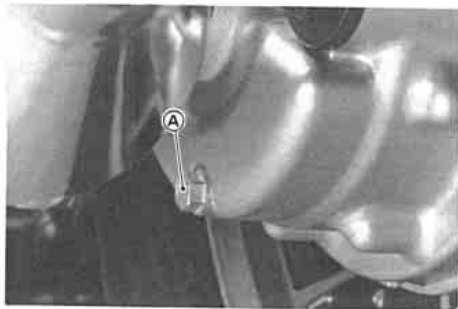
- *Use the same type and brand of oil that is already in the final gear case.*

Oil Change

NOTE

- *Final gear case oil drains easily and picks up any sediment when the oil is warmed up by running the motorcycle.*

- Put the motorcycle on its center stand.
- Remove the left saddlebag. Refer to the Saddlebags and Pockets section of the "General Information" chapter to remove the saddlebag.
- Place an oil pan beneath the gear case.
- Remove the filler cap and the drain plug.



A. Drain Plug

⚠ WARNING

When draining or filling the gear case, be careful that no oil gets on the tire, rim, or brake disc. Clean off any oil that inadvertently gets on them with soap and water.

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

- After the oil has completely drained out, install the drain plug and gasket. Replace the damaged gasket with a new one.
- Fill the gear case up to the bottom thread of the filler opening with the oil specified below.

Final Gear Case Oil

Oil Capacity	about 210 mL (0.22 US qt)
Oil Type	API "GL-5" Hypoid gear oil SAE80

NOTE

- "GL-5" indicates a quality and additive rating. "GL-6" rated hypoid gear oils can also be used.
- Install the filler cap.
 - Install the left saddlebag.

Spark Plugs

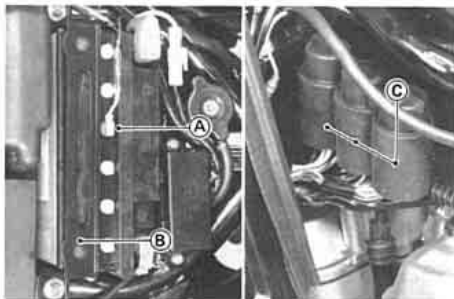
The standard spark plug is shown in the table in this section. The spark plugs should be taken out in accordance with the Periodic Maintenance Chart for cleaning, inspection, and resetting of the plug gap.

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.

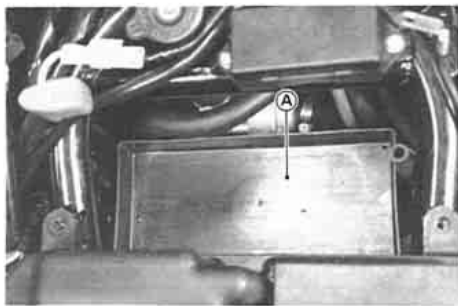
Spark Plug Removal

- Remove the dummy tank cover.
- Remove the battery holder and battery, and take off the relays at the left side of the battery case.



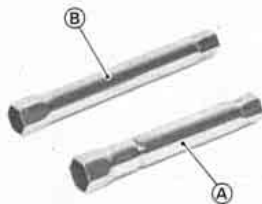
- A. Battery
- B. Battery Holder
- C. Relays

- Remove the #1 and #4 spark plugs.
- Remove the battery tray.



A. Battery Tray

- Connect the spark plug wrench and joint, and remove the #2 and #3 spark plugs.



A. Spark Plug Wrench

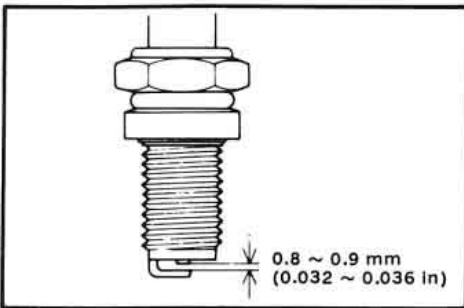
B. Joint

NOTE

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

Spark Plug

Standard Plug	NGK DPR8EA-9 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 ft·lb)



CAUTION

For cold weather and/or low speed riding, a hotter spark plug shown in the table may be used for quicker warm-ups and more efficient engine operation.

Hotter Spark Plug

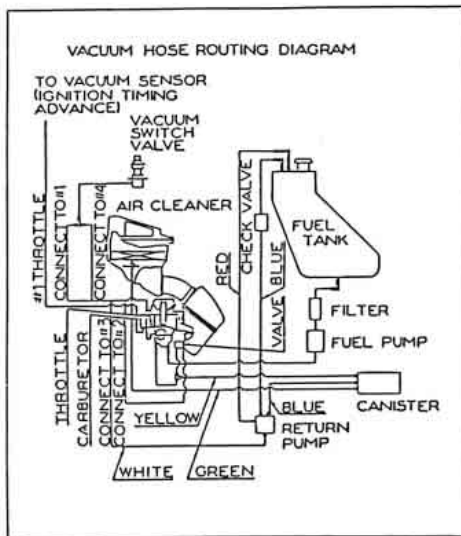
NGK DPR7EA-9 or ND X22EPR-U9

Evaporative Emission Control System (California model only)

This system routes fuel vapors from the fuel system into the running engine or stores the vapors in a canister when the engine is stopped. Although no adjustments are required, a thorough visual inspection must be made at the intervals specified by the Periodic Maintenance Chart.

Inspection

- Check that the hoses are securely connected.
- Replace any kinked, deteriorated, or damaged hoses.



Valve Clearance

Valve and valve seat wear is automatically compensated for the valve clearance. So inspection and adjustment of the valve clearance are not necessary on this motorcycle.

Kawasaki Clean Air System

The Kawasaki Clean Air System (KCA) is a secondary air suction system that helps the exhaust gases to burn more completely. When the spent fuel charge is released into the exhaust system, it is still hot enough to burn. The KCA System allows extra air into the exhaust system so that the spent fuel charge can continue to burn. This continued burning action tends to burn up a great deal of the normally unburned gases, as well as changing a significant portion of the poisonous carbon monoxide into harmless carbon dioxide.

Air Suction Valves:

The air suction valve is essentially a check valve which allows fresh air to flow only from the air cleaner into the exhaust port. Any air that has passed the air suction valve is prevented from returning. Inspect the air suction valves in accordance with the Periodic Maintenance Chart. Also, inspect the air suction valves whenever stable idling

cannot be obtained, engine power is greatly reduced, or there are abnormal engine noises.

Air suction valve removal and inspection should be done only by a competent mechanic following the instructions in the Service Manual.

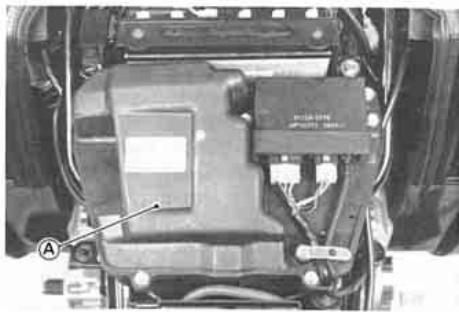
Air Cleaner

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

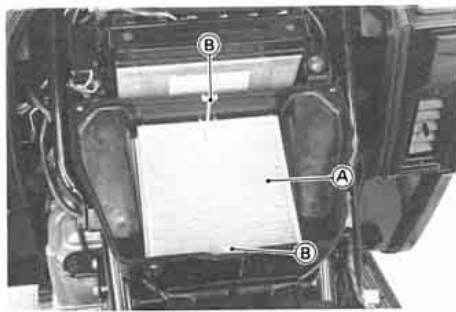
The air cleaner element must be cleaned in accordance with the Periodic Maintenance Chart. In dusty areas, the element should be cleaned more frequently than the recommended interval. After riding through rain or on muddy roads, the element should be cleaned immediately. The element should be replaced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

Element Removal

- Remove the dummy tank cover.
- Remove the air cleaner cover and holders, and then pull out the element.



A. Air Cleaner Cover



A. Element

B. Holder

- Push a clean, lint-free towel into the air cleaner housing to keep dirt or other foreign material from entering.
- Inspect the element material and sponge gasket 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 carburetors, 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.*

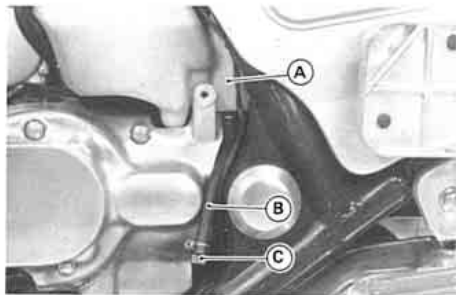
Element Cleaning

- Clean the element by tapping it lightly to loosen dust.
- Blow away the remaining dust by applying compressed air from the inside

to outside (from the clean side to the dirty side).

Oil Draining

- In accordance with the periodic Maintenance Chart inspect the transparent reservoir above the swingarm pivot section to see if any oil has run down from the air cleaner housing.



A. Reservoir
B. Drain Hose

C. Plug

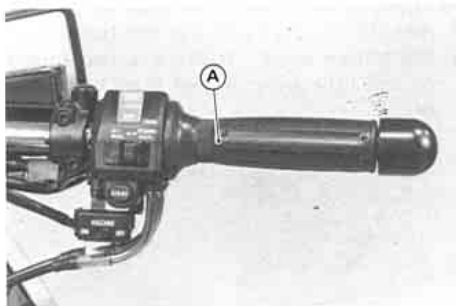
- If there is any oil in the reservoir, remove the plug from the lower end of the drain hose and drain the oil.

⚠ WARNING

Be sure to install the plug in the drain hose after draining. Oil on tires will make them slippery and can cause an accident and injury.

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 malfunction of the cruise control system or 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 in accordance with the Periodic Maintenance Chart. Inspect and adjustment should be done only by a competent mechanic following the instructions in the Service Manual.



A. Throttle Grip

Choke Lever

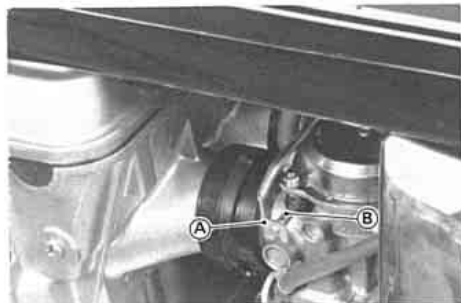
By pulling the choke lever, the carburetor provides a rich starting mixture that is necessary to enable easy starting when the engine is cold.

If starting difficulty or rich fuel mixture trouble occurs, inspect the choke lever, and adjust it if necessary.

Inspection

- Check that the choke lever returns properly and that the inner cable slides smoothly. If there is any irregularity, have the choke cable checked by a competent mechanic following the instructions in the Service Manual.
- Push the choke lever back all the way to its released position.

- Determine the amount of choke cable play at the choke lever. Pull the choke lever until the starter plunger lever at the carburetor touches the starter plunger; the amount of choke lever travel is the amount of choke cable play.



A. Starter Plunger Lever
B. Starter Plunger

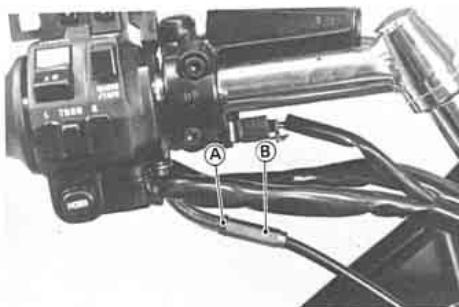
- The proper amount of play is 2 ~ 3 mm (0.08 ~ 0.12 in.) at the bottom of the choke lever. If there is too much or too little play, adjust the choke cable.



A. Choke Lever
B. 2 ~ 3 mm (0.08 ~ 0.12 in.)

Adjustment

- Loosen the locknut at the upper end of the choke cable, and turn the adjusting nut until the cable has the proper amount of play.



A. Locknut

B. Adjusting Nut

- Tighten the locknut after adjustment.

Carburetors

The carburetor adjustments, idle speed and synchronization, should be performed in accordance with the Periodic Maintenance Chart or whenever the idle speed is disturbed.

The following procedure covers the idle speed adjustment. Carburetor synchronization should be done only by a competent mechanic using vacuum gauges, following the instructions in the Service Manual.

NOTE

- *Poor carburetor synchronization will cause unstable idling, sluggish throttle response, and reduced engine power and performance.*

Adjustment

- Start the engine, and warm it up thoroughly.

- Adjust the idle speed to 750 ~ 850 r/min (rpm) by turning the idle adjusting screw.



A. 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 ad-

justed or incorrectly routed, or they may be damaged. Be sure to correct any of these conditions before riding.

⚠ WARNING

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

Handlebar

Handlebar position can be adjusted to suit you. Handlebar position should be adjusted by a competent mechanic following the instructions in the Service Manual.



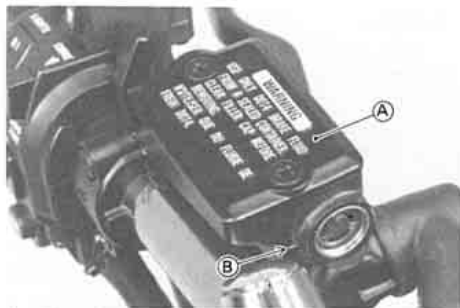
Handlebar

Clutch

The motorcycle is equipped with a hydraulically operated clutch that requires no adjustment except fluid level inspection in accordance with the Periodic Maintenance Chart.

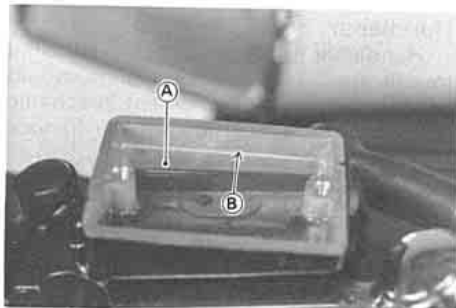
Fluid Level Inspection

- The fluid level in the clutch fluid reservoir must be kept above the line (lower level line) next to the gauge (reservoir held horizontal).



A. Clutch Fluid Reservoir
B. Lower Level Line

- If the fluid level is lower than the line, check for fluid leaks in the clutch line, and fill the clutch fluid reservoir to the upper level line stepped inside it.



A. Clutch Fluid Reservoir
B. Upper Level Line

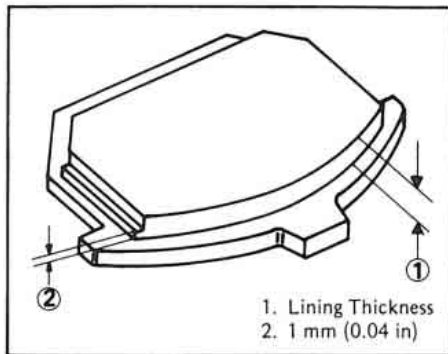
NOTE

- Use the same fluid as is used in the brakes and keep the same requirements mentioned in the "Brakes" section.

Brakes

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 both the front and rear brake fluid reservoirs and change the brake fluid. The brake fluid should also be changed if it becomes contaminated with dirt or water.

Fluid Requirement

Recommended fluids are given in the table below. If none of the recommended brake fluids are available, use extra heavy-duty brake fluid only from a container marked D.O.T.4.

Recommended Disc Brake Fluid

Castrol Girling-Universal
Castrol GT (LMA)
Castrol Disc Brake Fluid
Check Shock Premium Heavy Duty

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.

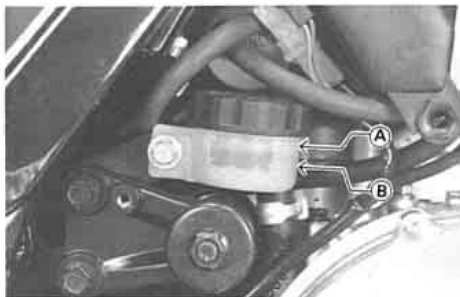
Check brake hose for damage.



A. Lower Level Line

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 brake fluid reservoir must be kept between the upper and lower level lines (reservoirs held horizontal).



A. Upper Level Line
B. Lower Level Line

- If the fluid level in either 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 brake fluid reservoir is a stepped line showing the upper level line.



A. Upper Level Line

⚠ WARNING

Do not mix two brands of brake 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.

Front and Rear 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 front and rear brakes.

⚠WARNING

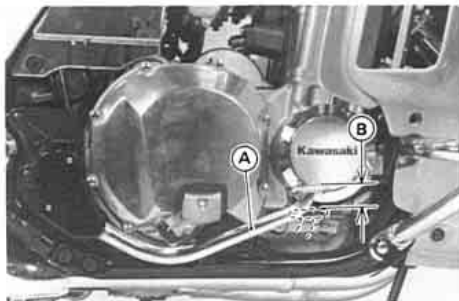
If the brake lever or pedal feels mushy when it is applied, there might be air in the brake lines or the brake may be defective. Since it is dangerous to operate the motorcycle under such conditions, have the brake checked immediately by an authorized Kawasaki dealer.

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

- Turn the ignition key to "ON".
- 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 15 mm (0.6 in.) of pedal travel.



A. Brake Pedal

B. 15 mm (0.6 in.)

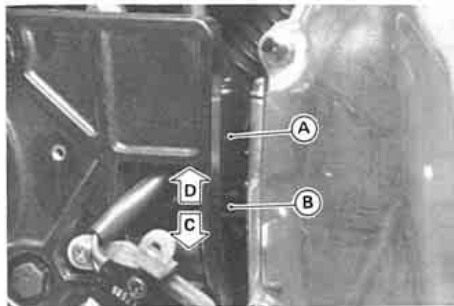
- If it does not, adjust the rear brake light switch.

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.

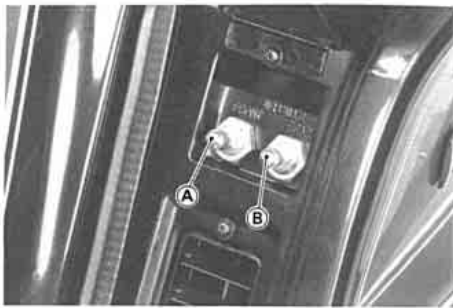
D. Lights later.

Front Fork

The condition of the front fork is very important for steering stability, and front fork performance is dependent on front fork oil viscosity, quantity, quality, and front fork air pressure.

Alteration of the stiffness or softness of the shock absorption can be achieved by using fork oil of a different viscosity or changing the fork air pressure. When altering the shock absorption by changing the fork air pressure, carry out the following steps:

- Put the motorcycle up on its center stand.
- Raise the front wheel off the ground by using a jack.
- Open the air valve cover at the right side of the fairing.
- Take off the front fork air valve cap.



A. Front Fork Air Valve

B. Rear Shock Absorber Air Valve

- Check the air pressure with the air pressure gauge.

Air Pressure

Standard	50 kPa (0.5 kg/cm ² , 7.1 psi)
Usable Range	40 ~ 60 kPa (0.4 ~ 0.6 kg/cm ² , 5.7 ~ 8.5 psi)

NOTE

- *Check the air pressure when the front fork is cold (room temperature).*
 - *Do not use the side stand when the air pressure is checked.*
 - *Do not use tire gauge for checking air pressure. They may not indicate the correct air pressure because of air leaks that occur when the gauge is applied to the valve.*
- Inject air through the valve with a hand pump to raise and adjust the pressure

CAUTION

Inject air little by little so that air pressure does not rise rapidly. Air pressure exceeding 250 kPa (2.5 kg/cm², 36 psi) may damage the oil seal.

⚠ WARNING

Be sure to adjust the air pressure within the usable range. Pressure too high or too low can produce a hazardous riding condition.

Only air or nitrogen gas can be used. Never inject oxygen or any kind of explosive gas.

Do not incinerate the front fork.

Rear Shock Absorbers

The rear shock absorbers can be adjusted by changing the air pressure and damping force to suit various riding and loading conditions.

Before making any adjustments, however, read the following procedures:

Air Pressure

The air pressure in the rear shock absorbers can be adjusted.

The following table shows an example of air pressure adjustment. To obtain stable handling and a suitable ride, adjust the air pressure as indicated. The standard air pressure for an average-build rider of 68 kg (150 lb) with no passenger, no accessories and no load is 150 kPa (1.5 kg/cm², 21 psi) and for a rider with load or a rider and a passenger with or without load is 250 kPa (2.5 kg/cm², 36 psi). Ordinarily, the heavier the total load becomes, the higher the air pressure should be set.

Air Pressure Adjustment

Air Pressure kPa (kg/cm ² , psi)	Setting	Load	Road
150 (1.5, 21)	Soft	Light	Good
↕	↕	↕	↕
250 (2.5, 36)	Hard	Heavy	Bad

To adjust the air pressure:

NOTE

- Check and adjust the air pressure when the rear shock absorbers are cold (room temperature).
- Put the motorcycle up on its center stand to raise the rear wheel off the ground.
- Open the air valve cover at the right side of the fairing.

- Remove the rear shock absorber air valve cap.



A. Air Valve Cover



A. Rear Shock Absorber Air Valves

- Check the air pressure with the air pressure gauge.

NOTE

- Do not use tire gauges for checking air pressure. They may not indicate the correct air pressure because of air leaks that occur when the gauge is applied to the valve.

- To lower the air pressure, push the valve core in slightly. To raise the pressure, inject air through the valve with a tire pump. Change the air pressure within the range specified in the preceding table to suit various riding conditions.

CAUTION

Inject air little by little so that air pressure does not rise rapidly. Air pressure exceeding 500 kPa (5.0 kg/cm², 71 psi) may damage the oil seal.

⚠ WARNING

Be sure to adjust the air pressure within the usable range. Pressure too high or too low can produce a hazardous riding condition.

Only air or nitrogen gas can be used. Never inject oxygen or any kind of explosive gas.

Do not incinerate the rear shock absorber.

Damping Force

The adjuster on each rear shock absorber has 4 positions so that the rebound damping force can be adjusted. The numbers on the adjuster show the setting position.



A. Adjuster

B. Position Number

The following table shows an example of damping force adjustment. To obtain stable handling and a suitable ride, adjust the damping force as indicated. The damping force can be left soft for average

riding. But it should be adjusted harder for high speed riding or riding with load or with a passenger with or without load. If the damping feels too soft or too stiff, adjust it in accordance with the following table:

The standard setting position for an average-build rider of 68 kg (150 lb) with no passenger and no load is No. 2.

To adjust the damping force:

- Turn the adjusters to the desired position until you feel
- Check to see that both adjusters are turned to the same relative position.

⚠ WARNING

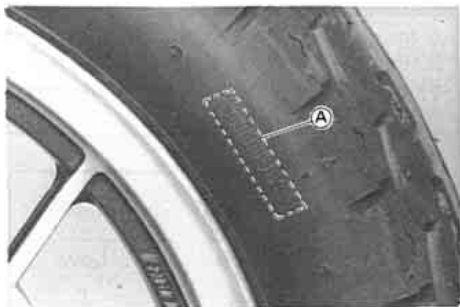
If both damping adjusters are not adjusted equally, handling may be impaired and a hazardous condition may result.

Rebound Damping Adjustment

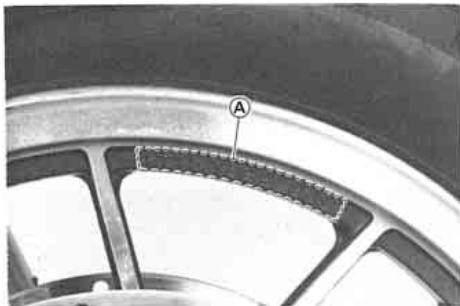
Adjuster Position	Damping Force	Setting	Load	Road	Speed
1	Stronger ↓	Soft	Light	Good	Low
2		↕	↕	↕	↕
3		↓	↓	↓	↓
4		Hard	Heavy	Bad	High

Wheels

Tubeless tires are installed on the wheels of this motorcycle. The indications of TUBELESS on the tire side wall and the rim show that the tire and rim are specially designed for tubeless use.



A. TUBELESS Mark



A. TUBELESS Mark

The tire and rim form a leakproof unit by making airtight contacts at the tire chamfers and the rim flanges instead of using an inner tube.

⚠ WARNING

The tires, rims, and air valves on this motorcycle are designed only for tubeless type wheels. The recommended standard tires, rims, and air valves must be used for replacement.

Do not install tube-type tires on tubeless rims. The beads may not seat properly on the rim causing tire deflation.

Do not install a tube inside a tubeless tire. Excessive heat build-up may damage the tube causing tire deflation.

Tires:

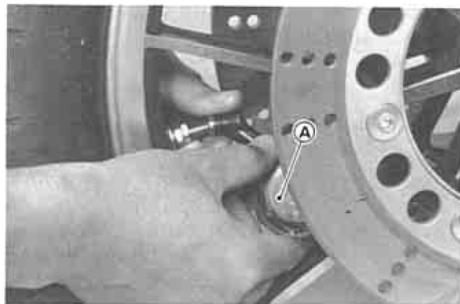
Payload and Tire Pressure

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 202 kg (445 lb), including rider, passenger, 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	225 kPa (2.25 kg/cm ² , 32 psi)	
Rear	Up to 120 kg (265 lb) load	225 kPa (2.25 kg/cm ² , 32 psi)
	120 ~ 202 kg (265 ~ 445 lb) load	280 kPa (2.8 kg/cm ² , 40 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.

Minimum Tread Depth

Front	—————	1 mm (0.04 in.)
Rear	Under 130 km/h (80 mph)	2mm (0.08 in.)
	Over 130 km/h (80 mph)	3 mm (0.12 in.)



A. Tire Depth Gauge

- 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.

Tires that have been punctured and repaired do not have the same capabilities as undamaged tires. Do not exceed 100 km/h (60 mph) within 24 hours after repair, and 180 km/h (110 mph) at any time after that.

NOTE

- *When operating on public roadways, keep maximum speed under traffic law limits.*

Standard Tire

Front	M130/90-16 DUNLOP F21 Tubeless
Rear	M150/90-15 MC DUNLOP K425A Tubeless

WARNING

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

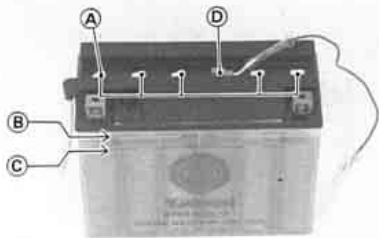
A break-in period of 160 km (100 miles) is necessary to establish normal tire traction. During break-in, avoid sudden and maximum braking and acceleration, and hard cornering.

Battery

Battery Electrolyte Level Inspection

The battery electrolyte level must be kept between the upper and lower level lines.

- Remove the battery from the motorcycle (see Battery Removal).
- Check that the electrolyte level in each cell is between the upper and lower level lines.



- A. Filler Caps
B. Upper Level Line
C. Lower Level Line
D. Electrolyte Level Sensor

- If the electrolyte level is low in any cell, fill with distilled water as follows.
- Remove the battery filler caps and electrolyte level sensor and fill with distilled water until the electrolyte level in each cell reaches the upper level line.

CAUTION

Add only distilled water to the battery. Ordinary tap water is not a substitute for distilled water and will shorten the life of the battery.

Battery Charging

- Remove the battery from the motorcycle (see Battery Removal).

CAUTION

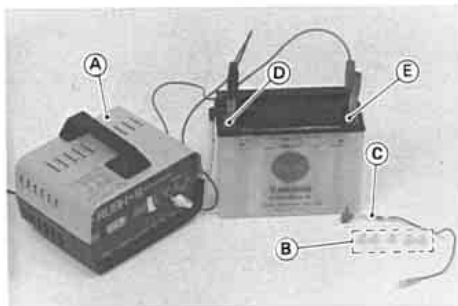
Always remove the battery from the motorcycle for charging. If the battery is charged while still installed, battery electrolyte may spill and corrode the frame or other parts of the motorcycle.

- Before charging, check the electrolyte level in each cell. If the electrolyte level is low in any cell, fill to above the lower level line but not up to the upper level line since the level rises during charging.

- Remove the caps and electrolyte level sensor from all the cells, and connect the battery charger leads to the battery terminals (red to +, black to -).

⚠ WARNING

Because the battery gives off an explosive gas mixture of hydrogen and oxygen, keep any sparks or open flame away from the battery during charging. When using a battery charger, connect the battery to the charger before turning on the charger. This procedure prevents sparks at the battery terminals which could ignite any battery gases.



- A. Battery Charger
- B. Filler Caps
- C. Electrolyte Level Sensor
- D. (-) Terminal
- E. (+) Terminal

- Charge the battery at a rate that is 1/10th of the battery capacity. For example, the charging rate for a 10Ah battery would be 1.0 ampere.

CAUTION

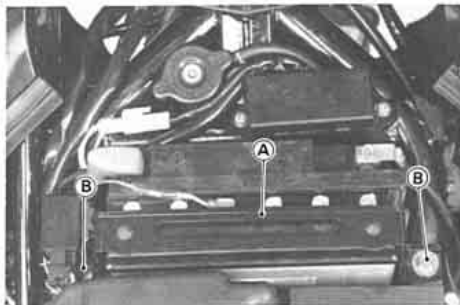
Do not use a high rate battery charger, as is typically employed at automotive service stations, unless the charging rate can be reduced to the level required for motorcycle batteries. Charging the battery at a rate higher than specified may ruin the battery. Charging at a high rate causes excess heat which can warp the plates and cause internal shorting. Higher than normal charging rates also cause the plates to shed active material. Deposits will accumulate, and can cause internal shorting. If the temperature of the electrolyte rises above 45°C (115°F) during charging, reduce the charging rate to lower the temperature, and increase charging time proportionately.

- After charging, check the electrolyte level in each cell. If the level has fallen, add distilled water to bring it back up to the upper level line.

- Install the caps and level sensor on the cells.
- Install the battery.

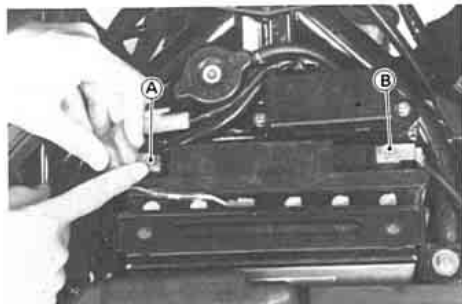
Battery Removal

- Remove the dummy tank cover.
- Unscrew the battery holder bolts and remove the battery holder.



A. Battery/Holder
B. Bolt

- Disconnect the leads from the battery, first from the (-) terminal and then the (+) terminal.



A. (+) Terminal

B. (-) Terminal

- Take the battery out of the case.
- Clean the battery using a solution of baking soda and water. Be sure that the lead connections are clean.

Battery Installation

- Put the battery in the battery case, and route the battery vent hose as shown on the caution label.
- Connect the capped lead to the (+) terminal, and then connect the black lead to the (-) terminal.
- Put a light coat of grease on the terminals to prevent corrosion.
- Cover the (+) terminal with its protective cap.
- Install the parts removed.

CAUTION

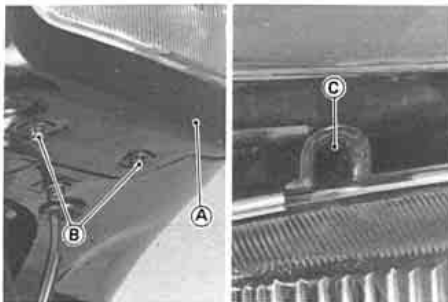
Make sure the battery vent hose is kept away from the drive system and exhaust system. Battery electrolyte can corrode and dangerously weaken the drive system. Do not let the vent hose become folded, pinched, or melted by the exhaust system. An unvented battery will not keep a charge and it may crack from built-up gas pressure.

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.

- Remove the headlight cover screws and take off the headlight cover.
- Turn the adjuster on the headlight in or out until the beam points straight ahead.



A. Headlight Cover
B. Screws
C. Adjuster

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.

⚠ WARNING

It is dangerous to adjust the vertical headlight beam while riding the motorcycle. The motorcycle must be stopped in a safe place to adjust the vertical headlight beam.

- Sit on the motorcycle.
- Turn the ignition key to "ON".
- Check the vertical height of the headlight beam with motorcycle held level.
- If the vertical headlight beam height is too high or too low, adjust it so that the vertical beam will be the correct height

by turning the headlight vertical adjuster to up or to down.

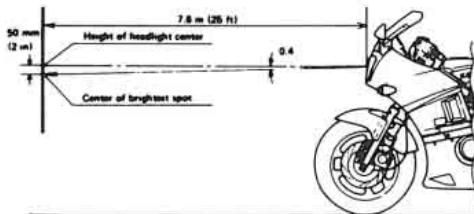
UP to raise headlight beam.
DOWN to lower headlight beam.



A. Headlight Vertical Adjuster

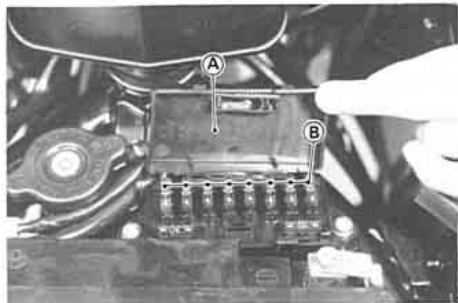
NOTE

○ On high beam, the brightest point should be slightly below horizontal. The proper angle is 0.4 degrees below horizontal. This is a 50 mm (2 in.) drop at 7.6 m (25 ft) measured from the center of the headlight, with the motorcycle on its wheels and the rider seated.



Fuses

Fuses are arranged in the fuse case located inside the dummy tank cover. If a fuse fails during operation, inspect the electrical system to determine the cause, and then replace it with a new fuse of proper amperage.



A. Fuse Case

B. Fuses

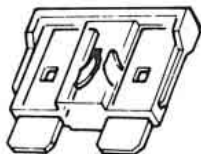
⚠ WARNING

Do not use any substitute for the standard fuse.

Replace the blown fuse with a new one of the correct capacity as specified on the junction box.



Normal



Failed

Fuel System

Accumulation of moisture or sediment in the fuel system will restrict the flow of fuel and cause carburetor malfunction. The system should be checked in accordance with the Periodic Maintenance Chart.

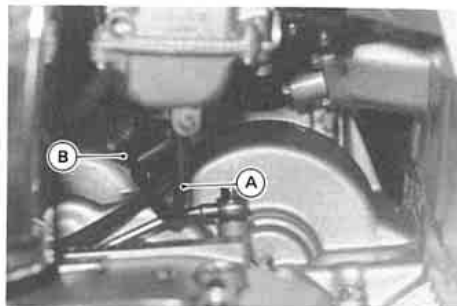
⚠ WARNING

Gasoline is extremely flammable and can be explosive under certain conditions. Turn the Ignition key to "ON". 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.

Make sure the engine is cold before working. Wipe any fuel off the engine before starting it.

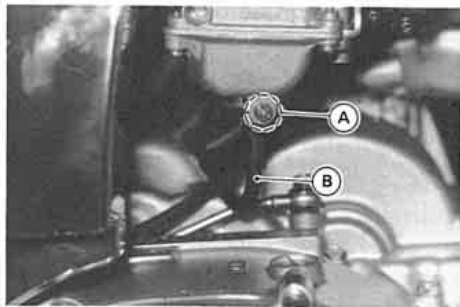
Inspection

- Remove the carburetor overflow hoses from the air cleaner case fittings.



**A. Carburetor Overflow Hose
B. Air Cleaner Case Fitting**

- Run the lower ends of the overflow hoses into a suitable container.
- Turn out each drain screw a few turns to drain the carburetors, and check to see if water or dirt has accumulated in the carburetors.



A. Drain Screw

B. Carburetor Overflow Hose

- Tighten the drain screws.
- Connect the lower ends of the carburetor overflow hoses on the air cleaner case fittings.

NOTE

○ If any water or dirt appears during the above operation, have the fuel system checked by a competent mechanic following the procedure in the Service Manual.

General Lubrication

Lubricate the points shown below, with either motor oil or regular grease, in accordance with the Periodic Maintenance Chart or whenever the vehicle has been operated under wet or rainy conditions.

Before lubricating each part, clean off any rusty spots with rust remover and wipe off any grease, oil, dirt, or grime.

NOTE

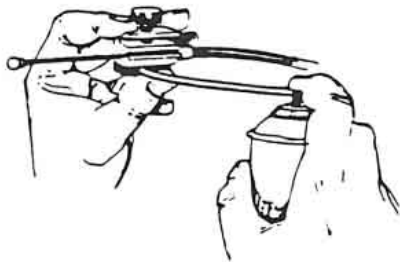
- *A few drops of oil are effective to keep bolts and nuts from rusting and sticking. This makes removal easier. Badly rusted nuts, bolts, etc., should be replaced with new ones.*

Apply motor oil to the following pivots:

- Side Stand
- Center Stand
- Clutch Lever
- Front Brake Lever
- Rear Brake Pedal

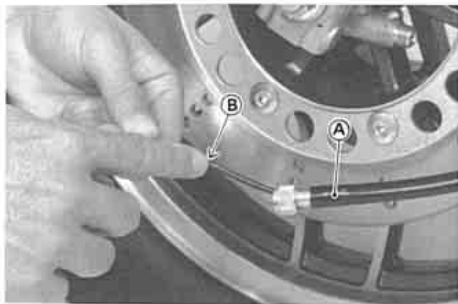
Lubricate the following cables with a pressure cable luber:

- Throttle Inner Cables



Apply grease to the following points:

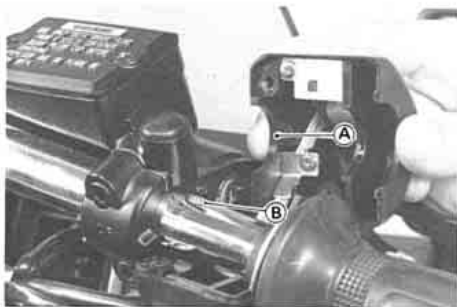
- Throttle Inner Cable Upper Ends
- ○ Speedometer Inner Cable
- Grease the lower part of the inner cable sparingly.



A. Speedometer Cable
B. Grease

NOTE

- After connecting the cables, adjust them.
- Making sure that the projection in the switch housing fits into the hole in the handlebar, assemble the switch housing. And after installing the switch housing, check the throttle grip play and adjust it if necessary.



A. Projection **B. Hole**

NOTE

- *Insert the speedometer inner cable into the speedometer gear housing while turning the wheel so that the slot in the end of the cable will seat in the tongue of the speedometer pinion.*

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 each muffler – Cover with plastic bags secured with rubber bands.
- Clutch and brake levers, switch housings on the handlebar – Cover with plastic bags.
- Ignition switch – Cover the keyhole with tape.
- Air cleaner intake – Close up the intake with tape, or stuff with rags.
- Audio system – Keep the tape slot door closed and cover the AM/FM radio and

cassette player with the provided dust cover.

Where to be Careful

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

- Meter instruments and digital clock
- Disc brake/clutch master cylinders and calipers
- Windshield

Wash the windshield with a soft cloth or sponge and plenty of water. Dry with a soft clean cloth. Do not use an abrasive scouring pad or steel wool.

- Fairing, travel trunk, saddlebags

Prepare a mixture of water and mild soap, such as dishwashing detergent. Do not use a high alkaline content soap as commonly found at commercial car washes because it leaves a residue. Wash them with a soft cloth or sponge. Dry with a soft clean cloth.

CAUTION

To prevent surface damage, do not clean plastic parts with organic solutions such as gasoline, thinner, or benzine.

- Audio system
- Speakers
- Cruise Control Unit
- Under the dummy tank – If water gets into the ignition coils or into the spark plug caps, 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)
- 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 the points listed in the General Lubrication section.
- Test the brakes before motorcycle operation.
- Start the engine and run it for 5 minutes.

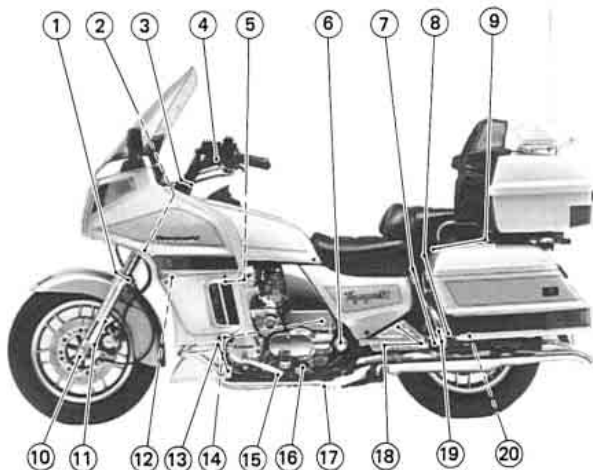
⚠ WARNING

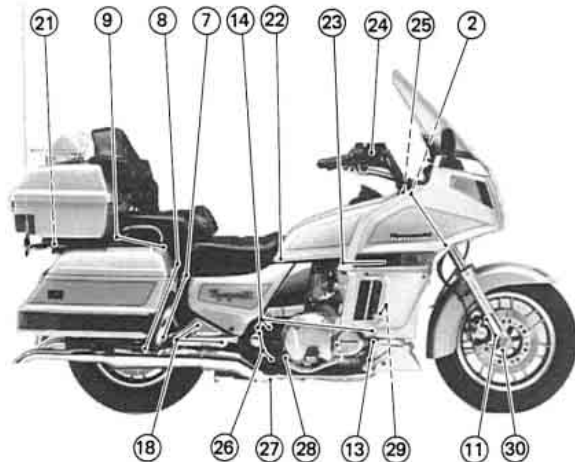
Never wax or lubricate the brake discs. Loss of braking and an accident could result. Clean the discs with an oilless solvent such as trichloroethylene or acetone. Observe the solvent manufacturer's warnings.

Bolt and Nut Tightening

In accordance with the Periodic Maintenance Chart, it is very important to check the tightness of the bolts and nuts listed here. Also, check to see that each cotter pin is in place and in good condition. Please ask your authorized Kawasaki dealer for torque values.

1. Front Fender Mounting Bolts
2. Front Fork Clamp Bolts
3. Handlebar Clamp Bolt
4. Clutch Lever Holder Bolt
5. Cylinder Head Bolts
6. Pivot Shaft Locknut
7. Bumper Mounting Bolts
8. Rear Shock Absorber Mounting Nuts and Bolts
9. Grab Rail Mounting Bolts
10. Front Axle Nut
11. Caliper Mounting Bolts
12. Radiator Mounting Bolts
13. Engine Guard Mounting Bolts
14. Engine Mounting Nuts and Bolts
15. Shift Pedal Bolt
16. Side Stand Bolt
17. Center Stand Bolt
18. Passenger Footboard Mounting Bolts
19. Final Bevel Gear Case Mounting Nuts
20. Rear Axle Nut





- 21. Travel Trunk Mounting Bolts
- 22. Dummy Tank Mounting Screw
- 23. Cylinder Head Cover Bolts
- 24. Front Brake Lever Holder Bolt
- 25. Steering Stem Head Bolt
- 26. Brake Pedal Bracket Bolts
- 27. Exhaust Pipe and Muffler Clamp Bolts
- 28. Brake Pedal Bolt
- 29. Exhaust Pipe Mounting Nuts
- 30. Front Axle Clamp Bolt

- Remove the spark plugs and spray fogging oil, such as Kawasaki K-Kare Fogging Oil (part number K61030-002), directly into each cylinder. Push the starter button for a few seconds to coat the cylinder walls. Install the spark plugs.

⚠WARNING

Do not lean over the engine when performing this procedure. An air/oil mist may be forcibly ejected from the spark plug holes and could get into your eyes. If you do get some in your eyes, wash your eyes immediately with liberal amount 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 all the cables.
- Remove the battery, and store it where it will not be exposed to direct sunlight, moisture, or freezing temperatures. During storage it should be given a slow charge (one ampere or less) about once a month. Keep the battery well charged during cold weather so that the electrolyte does not freeze and crack open the battery. The more discharged the battery becomes, the more easily it freezes.
- Tie plastic bags over the mufflers to prevent moisture from entering.
- Put the provided dust cover on the AM/FM radio and cassette player.

- Put a cover over the motorcycle to keep dust and dirt from collecting on it.

Preparation after Storage:

- Remove the plastic bags from the mufflers.
- Check the electrolyte level in the battery, charge the battery if necessary, and install it in the motorcycle. Be careful that the battery vent hose is not pinched and that it is kept away from the driving system and other frame parts.
- Make sure the spark plugs are tight.
- Fill the fuel tank with fuel.
- Check all the points listed in the Daily Safety Checks section.
- Lubricate the points listed in the General Lubrication section.

Engine Does Not Start:

Starter Motor Won't Turn

- Engine stop switch off
- Clutch lever not pulled in and transmission not in neutral
- Fuse blown
- Battery leads do not make good electrical contact with battery terminals
- Battery discharged

Engine Cranks, But Won't Start

- No fuel in tank
- Fuel line clogged
- Fuel broken down
- Choke is not used when engine is cold
- Engine flooded
- Spark plugs not in good contact
- Spark plugs fouled or wet
- Incorrect spark plug gap
- Battery discharged

Engine Stalls:

Just When Shifting Into 1st Gear

- Side stand has been left down
- Clutch does not properly disengage

While Riding

- Choke is used too long after moving off
- No fuel in tank
- Fuel tank air vent is obstructed
- Overheating
- Battery discharged

In order to provide a permanent record, all warranty and service resolutions take place only through written correspondence.

Please send your correspondence to:

CONSUMER RELATIONS
KAWASAKI MOTORS CORP., U.S.A.
P. O. Box 25252
SANTA ANA, CA. 92799-5252
(949) 460-5688

»»»»»»»»»»»»»»»»»»»»»»»» REPORTING SAFETY DEFECTS ««««««««««««««««««««««««

(For Products Sold in the Continental United State of America Only)

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Kawasaki Motors Corporation, U.S.A.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Kawasaki Motors Corporation, U.S.A.

To contact NHTSA, you may either call the Auto Safety Hotline toll-free at 1-800-424-9393 (or 366-0123 in Washington, D.C. area) or write to: NHTSA, U.S. Department of Transportation, Washington, D.C. 20590. You can also obtain other information about motor vehicle safety from the Hotline.

Date	Odometer Reading	Maintenance Performed	Dealer Name	Dealer Address

Date	Odometer Reading	Maintenance Performed	Dealer Name	Dealer Address

Date	Odometer Reading	Maintenance Performed	Dealer Name	Dealer Address

Date	Odometer Reading	Maintenance Performed	Dealer Name	Dealer Address



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