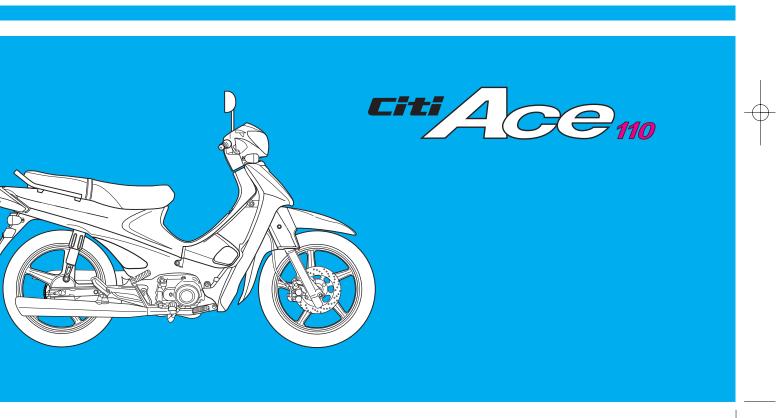
DAELIM

OWNER'S MANUAL





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SPECIFICATION

ITEM	DATA	ITEM		DATA	
LENGTH × WIDTH × HEIGHT(mm)	$1,910 \times 700 \times 1,080$	TIRE SIZE	TIDE SIZE FR.		
WHEEL BASE(mm)	1,220	TIKL SIZE	RR.	3.00-16-4PR	
GROUND CLEARANCE(mm)	125	SUSPENSION	FR.	TELESCOPIC	
SEAT HEIGHT(mm)	765	SOSI ENSION	RR.	SWING ARM	
DRY WEIGHT(kgf)	96	DDAWE	FR.	HYDRAULIC DISK	
PASSENGER	2	BRAKE		DRUM BRAKE	
ENGINE TYPE	AIR COOLED 4 STROKE	SPARK PLUG	C7HSA(NGK)		
PISTON DISPLACEMENT(cc)	108.9	FUSE(A)		7	
BORE AND STROKE(mm)	50×55.5	HEADLIGHT BULB	12V 35W/35W		
STARTING SYSTEM	START MOTOR / KICK	STOP/TAIL LIGHT BULB		12V 21/5W	
TRANSMISSION TYPE	4 STEPS ROTARY	WINKER BULB	12V 10W×4		
IGNITION SYSTEM	C.D.I	POSITION LIGHT BULB (EUROPE O	12V 3W×2		
BATTERY CAPACITY	12V 8AH(MF TYPE)	SPEEDOMETER LAMP	12V 3.4W		
FUEL CAPACITY(l)	4.0	WINKER INDICATOR LAMP	12V 3.4W×2		

ERATION INSTRUCTION

manual describes matters pertaining to correct operation, operation and simple maintenance of the vehicle you need

nsure more comfortable and safer operation, make sure to this manual carefully prior to operation.

ne photographs and drawings shown in this manual may fer from those of actual vehicles due to changes in vehicle ecifications and modifications made.

is vehicle is designed for 2 riders including the operator.

▲ CAUTION

- Do not use polluted gasoline.
- Using polluted gasoline will cause rust inside the fuel tank, and will close the supply of fuel to the carburetor, leading to an improper engine starting or may cause serious damage to an engine.
- Do not use polluted or low-grade oil.
 Always use genuine oil to protect and extend motorcycle performance and its life span.
- If any failure occurs due to the use of polluted gasoline or oil, such failure will be excluded from being eligible for repairs under the warranty.

SAFETY PRECAUTIONS

- Careful driving and the wearing of proper attire and safety equipment are the most important factors in the safe operation of the vehicle. Please obey traffic regulations and do not be hurried and careless.
- Many new vehicle owners operate their newly purchased vehicles with great care and attention to safety factors. However, after becoming accustomed to the operations are often discarded, which can lead to accidents. Please don't let this happen to you and always approach the operation of your vehicle with the safety considerations needed.

When operating the vehicle, always keep in mind and obey the notes of precaution printed on the "Safety Precaution Label" attached to the vehicle.

- Always wear helmet.
- Always put on gloves.
- Observe posted speed limits.
- Park vehicle away from people (especially children) as the muffler can get very hot.
- For safety, do not illegally modify the vehicle.
- Regularly conduct specified maintenance inspections. <Maintenance Inspection Points>
 Brakes, Tires, Oil, Lights, Horn, Instruments

OR TO STARTING VEHICLE

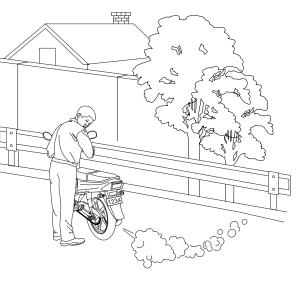
ad user's manual carefully.

nduct maintenance checks prior to operation.

ways maintain vehicle in clean status and carry out cified maintenance checks.

ke sure to stop engine and stay away from fire when ling.

haust gas contains harmful substance such as carbon noxide. Start engine in well-ventilated places.



CORRECT ATTIRE

- Always make sure to wear helmet for safety. Wear gloves and safety goggles.
- Do not wear uniforms which might hinder operation. It is dangerous if the uniform is caught by brake lever or by the rotating part of drive chain.
- Do not wear slippers which might obstruct brake operation or transmission gear operation.
- Many automobile/motorcycle accidents happen because the automobile driver does not "see" the motorcyclist.

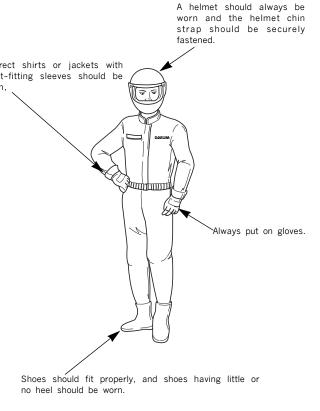
Make yourself conspicuous to help avoid the accident that wasn't your fault:

- Wear bright or reflective clothing.
- Don't ride in another motorist's "blind spot".

▲ WARNING

- Not wearing a helmet increases the chance of serious injury or death in a crash.
- Be sure you and your passenger always wear a helmet, eye protection and other protective apparel when you ride.

5



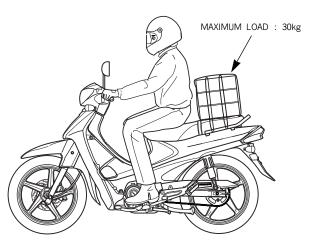
OPERATION

- Operators should naturally fix bodies to keep smooth driving.
- Please check whether or not you are unnaturally strained and strung up.
- Driving pose has a great influence on safe operation.
 Please always maintain the center of your body in the middle of seat. Especially do not sit at the rear seat because it may lessen the weight of front wheel and cause trembling steering wheel.
- A passenger should hold on to the vehicle or the operator with both hands and keep both feet on the pillion step bar.
- When wanting to turn, slightly lean to body toward the direction of the turn. It is unsafe if the body is not moved in union with the vehicle.
- Curvy roads and poor, unpaved roads constantly change in surface quality. Driving on these roads can be unsafe if certain safety precautions are not followed.
- In order to safely drive through these driving conditions, anticipate coming road conditions, slow down to at least half the normal speed, and relax your shoulders and wrists while securely holding the handles.
- Driving with one or both hands not holding the handles or the front wheel lifted can cause severe injury or death of the driver resulted from the turnover of the vehicle.

RGO

en carrying cargo, you must keep in mind that operating the torcycle, especially when turning, will be different. ke sure not to overload the vehicle with goods as this can

ke the vehicle unstable during operation.



▲ WARNING

- Overloading or improper loading can cause a crash and you can be seriously hurt or killed.
- Follow all load limits in this manual.

▲ CAUTION

- Only load cargo in or on designated areas as placing or fastening cargo to other areas can cause damage to the vehicle.
- Do not place articles between the frame body cover and engine as this can burn the goods.
- Do not attach large or heavy items (such as a sleeping bag or tent) to the handle bars or fork.
 Unstable handling or slow steering response may result.



DIFICATION

odification of vehicle structure of function deteriorates nipulatability or causes exhaust noise to become louder ortening the vehicle life. These modifications are not only hibited by law but also are the acts harmful to other people. Indifications are not covered by warranty.

TACHMENT

cept designated attachment by DAELIM MOTOR CO., D., don't attach any extra lighting device, because it may use an early discharging of battery.

refully inspect the accessory to make sure it does not scure any lights, reduce ground clearance and banking angle, limit suspension travel, steering travel or control operation.

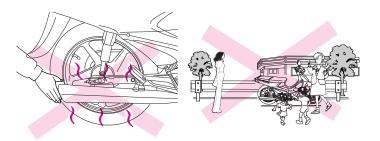
not add electrical equipment that will exceed the torcycle's electrical system capacity. A blown fuse could use a dangerous loss of lights or engine power.

is vehicle was not designed to pull a sidecar or trailer.

Indling may be seriously impaired of so equipped.

MUFFLER

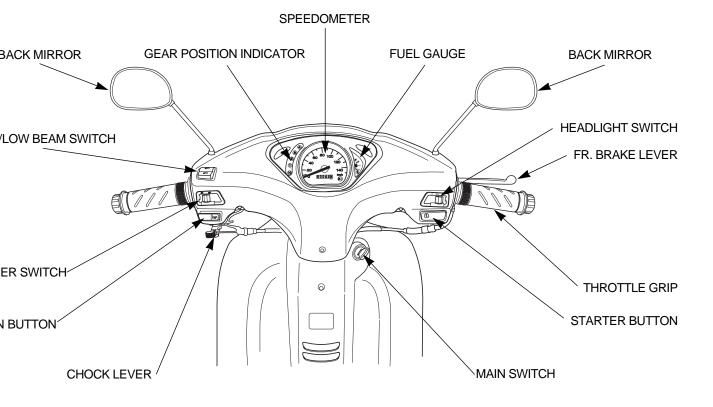
• Pay particular attention to fellow passenger so that he/she can prevent getting burnt by the hot muffler during travel.



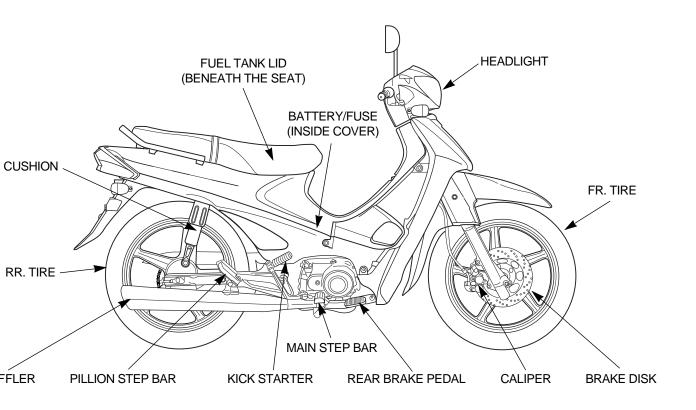
▲ CAUTION

- Do not park in the place where many pedestrians are passing through. Pedestrians or children can be burned by contacting with the muffler.
- Fellow passenger care must pay enough attention not to be burn by contacting with the muffler.
- If haystack or vinyl is stuck to the muffler, fire can be occurred.

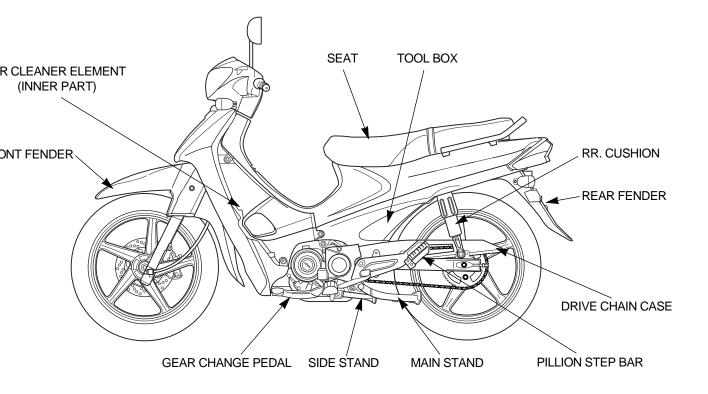
TS LOCATION



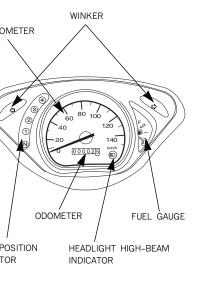
TS LOCATION



TS LOCATION



ER READING AND USAGE



METER

<SPEEDOMETER>

Indicates speed in km/h during travel. Maintain legal speed limits to ensure safe operation.

<ODOMETER>

Indicates total operating distance in km.

FUEL GAUGE

Indicates amount of gasoline in fuel tank. (The fuel gauge needle always indicates gasoline level regardless of whether main switch is in "OFF" position or in "ON" position.) If needle is within E mark, immediately fill gasoline. Balance at this time is approximately 1.2 litres.

▲ WARNING

• To avoid running out of fuel that may result in a sudden stop.

INDICATOR LAMPS

< HEADLIGHT HIGH-BEAM INDICATOR>

Turned on wien the headlight is in highbeam position.

<WINKER INDICATOR>

If main switch is turned "ON" and winker is activated, the winker located in the direction of turning is turned ON.

<GEAR POSITION INDICATOR>

Displays the gear position when the main switch is set to "ON" and the gear is applied.

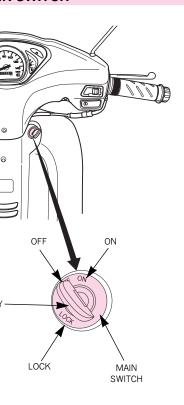
POSITION MARK	GEAR POSITION
N	NEUTRAL
1	1st
2	2nd
3	3rd
4	4th

The neutral gear indicator is turned "N" when the gear is in the neutral position.

The position mark is displayed according to corresponding the gear position.

TCH OPERATION

IN SWITCH



Main switch is used to turn on or turn off engine.

Key position	Function	Key		
ON	Starts engine. Power is supplied to electrical circuits.	Key cannot be removed		
OFF	Stops engine. Cuts off all electrical circuits.	Key can be removed		
LOCK	Locks steering wheel. Cuts off all electrical circuits and steering wheel is locked.	Key can be removed		

▲ WARNING

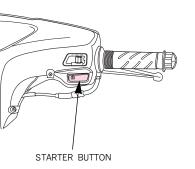
• Do not manipulate main switch key during operation. If the main switch key is placed on "Off" or "Lock" position, all electrical system will not function. Never operate the main switch key during travel as it might cause unexpected accidents, If it is necessary to remove the main switch key, stop the vehicle first prior to removing.

▲ CAUTION

- Prior to dismounting from the motorcycle, make sure to lock the steering wheel and remove key.
- If the key is left in "ON" position without starting engine, battery is discharged.
- Do not use a number of keys together with a metal key holder. The keys and the key holder may cause scratches or other damage to the cover while operating the motorcycle. (Recommend cloth or leather key holders)

ARTER BUTTON

press this button, starter motor runs ngine is started.



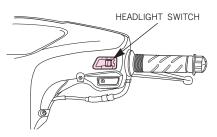
A CAUTION

o not press starter button repeatedly exause it consumes great amount of ower causing battery to be chausted sooner.

HEADLIGHT

<TURNING ON HEADLIGHT> (EUROPE ONLY)

Put main switch key in "ON" position and manipulate headlight switch.



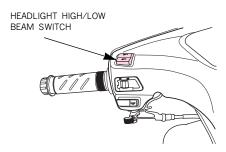
Switch position	Function		
-\\\\(\)- (H)	Headlight, position lamp and taillight turned on		
÷00÷ (P)	Position lamp taillight turned on		
(OFF)	Light turned off		

▲ CAUTION

• When you travel after sunset, put headlight in low-beam. This lets approaching vehicles know of your position and is helpful to safe driving.

< HEADLIGHT HIGH OR LOW BEAM OPERATION>

High beam or low beam can be operated by the use of high/low beam switch.



HIGH BEAM

∃D(HI) used when needing extra light.

LOW BEAM

 \lesssim D(LO)..... used when other vehicles are present, in the city, etc.

▲ CAUTION

• Use the high beam only in the suburban road or when the usage of the high beam not hinder the safe driving of the car ahead.

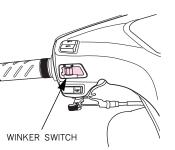
IKER SWITCH

winker switch when you change e of travel to left or right.

N TO USE>

switch is turned on when the main th is in "ON" status, winker is ing. To release winker operation, winker switch its original position.

- ---- Used when making a right turn.
- ---- Used when making a left turn.

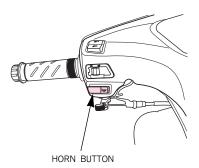


▲ CAUTION

The winker switch does not automatically turn back to its original position after completing the turn.
 Please set the switch back to its center position after turning.

HORN BUTTON

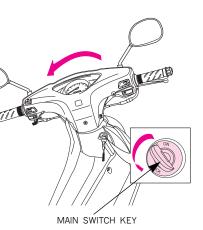
If horn button is pressed when main switch is in "ON" position, horn is sounded.



IPMENT USAGE

ERING WHEEL LOCK

revent theft, lock steering wheel parking the vehicle.



W TO LOCK>

n the steering wheel to left completely. ert main switch key.

ss the key and turn steering wheel to ock" position.

move the key.

<HOW TO RELEASE>

Take steps in opposite order of locking.

▲ WARNING

• Do not turn the key to LOCK while riding the vehicle; loss of vehicle control will result.

A CAUTION

- To make sure steering wheel is locked properly, lightly turn steering wheel to left and right and verify lock.
- Park the vehicle in places free of traffic.
- Prior to operation, turn the steering wheel to left and right to verify if turning angles of left and right are equal.

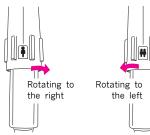
REAR CUSHION ADJUSTMENT

Rear cushion can be adjusted using adjustment knob according to the loading weight.

⟨Operating Procedure⟩

- Park the vehicle by erecting the main
- Rotate the adjustment knob of the rear cushion to the appropriate mode according to the loading weight. (The left and right cushion modes are identical.)

⟨Application Method⟩



- Weak cushion effect Strong cushion effect
- Light cargo
- Heavy cargo
- Single driving
- Tandem driving

▲ CAUTION

• Make sure the adjuster marks on left and right side are equal.

FINSPECTIONS BEFORE OPERATION

nspect the vehicle and have regular tenance inspections for increased and the prevention of accidents. Inspections before operation should reformed on a daily basis prior to ting the vehicle.

AKES

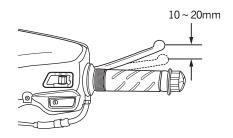
ont brake is the hydraulic disk type, he rear brake is the drum brake type. e brake pad wear, the brake fluid drops.

are no adjustments to perform, but evel and pad wear must be inspected dically. The system must be sted frequently to ensure there are no eaks.

NT BRAKE] AKE LEVER FREE PLAY>

Ily squeeze the brake lever until n is felt to check for an appropriate nt of free play. No free play in the lever or overly loose brake lever is ation of a problem in the brake n.

BRAKE LEVER FREE PLAY: 10~20mm



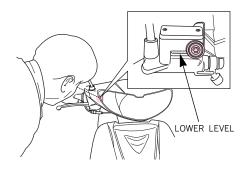
<BRAKE FLUID LEVEL>

▲ WARNING

- Brake fluid may cause irritation.
 Avoid contact with skin or eyes. In case of contact, flush thoroughly with water and call a doctor if your eyes were exposed.
- KEEP OUT OF REACH OF CHIL-DREN

▲ CAUTION

- When adding brake fluid, be very careful not to allow foreign materials to enter the reserve tank.
- Do not fill past upper level.
 This can cause brake fluid to leak out of the reserve tank.
- Do not let brake fluid contact vehicle parts as this damages painted areas.
 If oil contacts parts, quickly clean the fluid off using a dry cloth.
- Use recommended brake fluid as other types can undergo chemical changes.



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eck that the fluid level is above the WER level mark with the vehicle in upright position.

seck through access cover which is servable through inspection groove ated between the front handle cover If the right end section of headlight, se of a flash is recommended.)

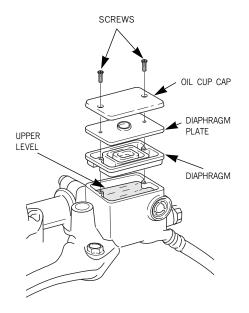
ake fluid must be added to the ervoir whenever the fluid level ins to reach the LOWER level mark.

move the screws and take oil cup of, diaphragm plate diaphragm off. plenish recommended brake fluid to UPPER level inside reserve tank.

COMMENDED BRAKE FLUID DOT3 or DOT4

install the diaphragm, diaphragm te, oil cup cap.

thten the screws securely.

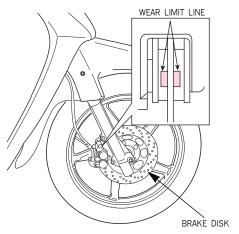


Other checks:

- Mark sure there are no fluid leaks.
- Check for deterioration or cracks in the hose and fitting.
- Check the brake pad for wear when refilling with brake fluid.

<BRAKE PAD INSPECTION>

Operate brake and, if the brake pad wear limit line reaches the brake disk side, it indicates the pad has reached wear limit.



A CAUTION

• The brake lever must be operated several times after replacement of the front brake pad.

R BRAKE]

AKE PEDAL FREE PLAY>

the brake pedal with hands for tance and check if the pedal ment appropriate.

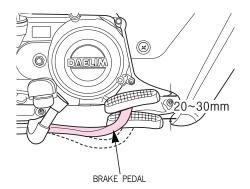
ake pedal movements is inappte, adjust the pedal free play using ar wheel brake adjuster nut.

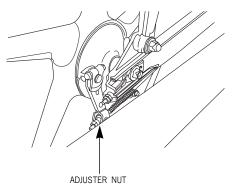
adjust pedal free play, turn adjuster. After adjustment, push the brake lal with hands until you feel stance and verify the pedal free play within prescribed level.

KE PEDAL FREE PLAY: 20~30mm

A CAUTION

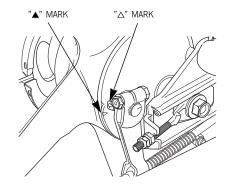
fter adjusting the brake, make sure at "¶" part of the adjuster contacts e pin. Brake clearance can change nen driving if this is not done.





<REAR BRAKE SHOE INSPECTION>

After adjusting the brake, check the wear of the brake shoe. While tightly squeezing the rear brake pedal, if the " " mark of the brake shoe is worn. Please take the motorcycle to a service center for repair.



A CAUTION

 If the vehicle becomes worn-out, the replacement cycle of shoe may differ depending on the wear condition of the rim drum.

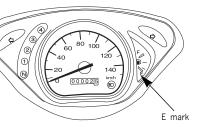
=1

EL CHECK>

k gasoline to see if there is a cient amount of gasoline to reach destination.

the fuel gauge needle indicates E rk (red portion), fill fuel tank with oline as soon as possible.

Reserve fuel capacity: Approximately 1.2 liter

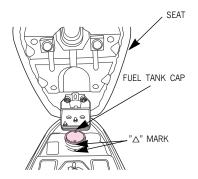


FUELING>

ct the seat.

the fuel after opening the fuel tank b.

In the fuel tank cap clockwise until $^{"}\Delta^{"}$ mark on the fuel tank cap is gned with the $^{"}\Delta^{"}$ mark located ove the fuel tank.



▲ CAUTION

- Make sure to stop engine and stay away from fire when fueling.
- If gasoline is filled above the level plate bottom, gasoline may overflow.

<FUEL COCK>

The fuel cock lever arrow indicates operating position.

- ON --- Gasoline is supplied. Set fuel cock to this position when starting engine.
- OFF -- Fuel is not supplied. Set to this position except when the vehicle is operated.





A CAUTION

• After refueling, turn lever to "ON" position. If the lever is not turned to "ON" reserve fuel runs out during travel and vehicle cannot be operated.

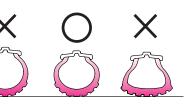
ES

E PRESSURE CHECK>

k for an appropriate level of air are by examining how the tire sits on yound. If you notice any abnormalithe shape of the tire with regard to ea contacting the ground, use a tire to check tire pressure and adjust the ressure to the appropriate level.

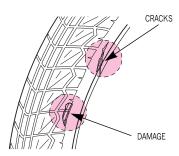
E PRESSURE>

IZE	FRONT	2.75-1	6-4PR	
IZE	REAR	3.00-16-4PR		
TRE SSURE gf/cm³)	1 PERSON	FRONT	1.75	
	RIDING	REAR	2.00	
	2 PERSON	FRONT	1.75	
	RIDING	REAR	2.25	



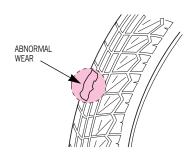
<CRACKS/DAMAGE>

Check tire tread and sides for cracks and damage.



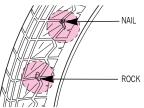
<ABNORMAL WEAR>

Check tire tread for signs of abnormal wear.



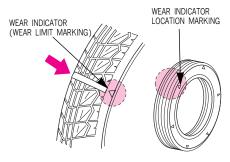
<FOREIGN MATERIALS>

Check tire tread and sides for nails, rocks, etc. That might have become wedged in the tire.



<TREAD DEPTH>

- Check the wear indicator (wear limit marking) to see if there is an insufficient amount of tread remaining.
- If the indicators are visible, replace tire with a new one.



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A CAUTION

air pressure is inadequate or if ere are cracks, damage or abnormal ear on tires, it may cause trembling eering wheel and flat tire.

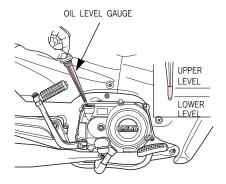
sufficient air pressure may cause to heavy steering wheel marking andling difficult, fuel over consentation and the excessive wear of the outer area and excessive air ressure may cause easier wheel andling and lower fuel consentation. But it may also cause the accessive wear of tire center area.

his motorcycle is equipped with beless tires. If you have flat tires, ease contact authorised mainnance shops for inspection.

ENGINE OIL LEVEL CHECK

Put vehicle in upright position on flat ground and check engine oil level and degree of pollution.

- Run engine idle for approximately 2~3 minutes and stop engine.
- Approximately 2~3 minutes thereafter, check engine oil and verify the oil level is between the upper and lower level of oil level gauge.
- Insert oil level gauge, without locking, and check oil level after removing oil gauge.
- If the oil level is near lower level, replenish oil to upper level.



LIGHTS AND WINKER

<HEADLIGHT, TAILLIGHT>

Start the engine and make sure the lights turn on. Also check to see if the lights are damaged or if there is dirt on them.

<BRAKE LIGHT CHECK>

Turn the main switch to ON.

While separately operating the front and rear brakes, check to see if the brake light turns on. Also check to see if there is any damage to the lens or if there is dirt on the brake light.

<WINKER CHECK>

Turn the main switch to ON.

Check to see if all the winker in the front and rear of the vehicle (including left and right sides) are flashing properly. At the same time, check to make sure that the automatic sound signal of the winker is working. Check also to see if any of the lens are damaged or dirty.

OPERATION

CK MIRROR

uarely on the seat and check to see if ave a good view behind the vehicle oking at the back mirrors. Also check that and damage on the back mirrors.

ENSE PLATE

to see if there is any dirt or damage license plate.

check to see if the license plate is secured to the vehicle.

PRE-RIDE INSPECTION

A WARNING

 If the pre-ride inspection is not performed, severe personal injury or vehicle damage may result.

Inspect your vehicle every day before you ride it. The items listed here will only take a few minutes to inspect, and in the long run they can save time, expense, and possibly your life.

- Check for signs of abnormality which might have occurred on the previous day.
- Engine oil level add engine oil if required (page 22). Check for leaks.
- Fuel level fill fuel tank when necessary (page 20). Check for leaks.
- Front and rear brakes check operation; make sure that is no brake fluid leakage (page 17~19).
- Tires check condition and pressure (page 21~22).

- Drive chain check condition and slack (page 37~38). Adjust and lubricate if necessary.
- Throttle check for smooth opening and full closing in all steering positions.
- Lights and horn check that headlight, tail/brake light, turn signals, indicators and horn function properly.
- Angle rear view mirror.

▲ CAUTION

- Observe safety rules when conducting inspections.
- Conduct inspections on a flat, solid ground with the main stand erected.

If you are unable to correct trouble even after you make adjustment or correction, contact authorized maintenance shops, dealers or designated repair shops for necessary inspection and repairs.

ARTING THE ENGINE

ys follow the proper starting dure described below.

is vehicle is equipped with a side and ignition cut-off system. The gine cannot be started if the side and is down.

▲ WARNING

ever run the engine in an enclosed ea. The exhaust contains poisonous arbon monoxide gas that can cause ass of consciousness and lead to eath.

A CAUTION

o not keep the starter button ressed for more than 5 seconds at a me. Release the starter button for proximately 10 seconds before ressing it again.

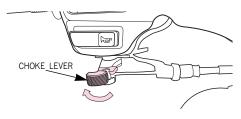
<PREPARATION>

Before starting, insert the key, turn the ignition switch ON and confirm the following:

- The transmission is in NEUTRAL (neutral indicator light ON)
- The fuel cock is ON.

<WHEN ENGINE IS COLD (WINTER)>

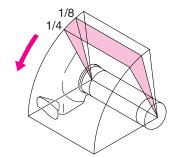
1. Open choke lever completely.



- 2. Close throttle grip, and press starter button.
- 3. Once engine is started, pull and release throttle grip repeatedly to run engine idle until engine is heated, and close choke lever completely. If engine warming up takes time, run engine idle with the choke lever slightly closed.

<WHEN ENGINE IS HOT (SUMMER)>

- 1. Close throttle grip and press starter button. (If engine is not started with 1-2 times trial, verify fuel cock lever is in "ON" position)
- 2. If engine is not started with throttle grip closed, open throttle grip approximately 1/8 to 1/4 and press starter button.



s possible that starting will be more ficult if the vehicle has not been used a long period of time or if the fuel e is plugged up (starting problems n when there is sufficient fuel in the 1 tank may be an indication of a gged fuel hole).

nen this happens, do not rotate the ottle grip and try the starter button a times.

▲ NOTE

o not run engine idle unreasonably. his not only wastes fuel but also wersely affects engine.

starter button is pressed in gear osition, vehicle may bring out to ll. Make sure gear is in neutral osition prior to starting engine.

IF ENGINE CANNOT BE STARTED

If engine cannot be started or vehicle does not move, check the followings.

- Is there fuel in fuel tank?
- Are you operating in accordance with the instructions given in user's manual?
- Is fuse not cut?
- Is starter motor running?
- If starter motor is not running due to battery consumption, try starting motor by using kick start technique.

RUNNING-IN

During initial running-in newly machined surfaces will be in contact with each other and these surfaces will wear in quickly.

Running-in maintenance at 1,000km is designed to compensate for this initial minor wear.

Timely performance of the running-in maintenance will ensure optimum service life and performance from the engine.

The general rules as follows:

- 1. Never labour the engine with full throttle at low engine speeds. This rule is applicable not only during running-in but at all times.
- 2. Maximum continuous engine speed during the first 1,000km must not exceed 5,000 rpm.

▲ CAUTION

 Running the engine beyond recommended maximum engine speed can damage the engine.

ING

▲ NOTE

Take sure you understand the inction of the side stand mechanism. ee explanation for SIDE STAND in page 39)

er the engine has been warmed up, vehicle is ready for riding.

tile the engine is idling, depress the urshift pedal to shift into 1st (low)

adually increase engine speed by ening the throttle.

nen the vehicle attains a mode-rate ed, close the throttle and shift to 2nd our by depressing the gearshift pedal. its sequence is repeated to progrewely shift to 3rd, 4th (top) gear.

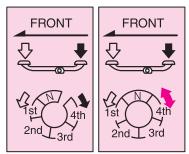
ordinate the throttle and brakes for ooth deceleration.

th front and rear brakes should be d at the same time and should not be blied strongly enough to lock the eel, or braking effectiveness will be uced and control of the vehicle be ficult.

<GEAR SHIFTING>

Operating method of the gear is different between stopping and driving.

- Drectly gear changing from top gear position to neutral is possible when stopping.
- When driving, gear changing is performed by 4th gear return type and gear changing from top gear position to neutral is impossible.
- When stopping gear changing from 4th gear position to neutral is possible.
- When changing gear during driving, change the gear after making the speed high enough to change the gear.



WHEN DRIVING

WHEN STOPPING

<GEAR DOWN OPERATION>

If you gear down when you need to drastically accelerate speed such as when you are passing another vehicle, speed can be accelerated. If you ride too fast, it adversely affects engine because engine revolution is excessive.

▲ NOTE

- Make sure side stand is in original position prior to starting vehicle.
 If side stand moves unsatisfactorily, check lubrication state on side stand joint.
- Shift gear adequately according to vehicle speed.
- To save fuel and maintain optimum vehicle life, do not accelerate or decelerate speed abruptly.
- Always start in the 1" gear, and start carefully as slow as possible.
- If you hear abnormal noise during travel, contact authorized maintenance shop immediately for inspection and necessary action.
- Maintain legal speed limits.

AKING

normal braking, gradually apply the the front and rear brakes while we shifting to suit your road speed. maximum deceleration, close the ottle and apply the front and rear kes firmly.

▲ WARNING

you apply brakes only on front heel or rear wheel, vehicle may de off sideway and fall.

you apply brakes abruptly during avel in rain or on wet road, tires ide off and may cause accidents. educe speed and apply brake utiously.

void repeated brake operation as it ay cause brake temperature to rise, ading to braking effect deteriotion.

then possible, reduce speed or ake before entering a turn; closing the throttle or braking in mid-turn ay cause wheel slip. Wheel slip all reduce control of the vehicle.

<ENGINE BRAKE>

If you turn throttle grip in reverse, engine brake functions and, if you need stronger braking, shift gear down from 4th to 3rd and so forth. When you travel on a long descent or on a sharp descent, use intermittent braking technique and engine brake simultaneously.

A CAUTION

• Do not shift to lower gear while traveling at an excessive speed as it may suddenly increase the engine speed, adversely affect the engine and transmission, and cause the rear part of the vehicle to be shaken.

PARKING

- After stopping the vehicle, shift the transmission into neutral, turn the fuel cock OFF, turn the ignition switch OFF and remove the key.
- Put the vehicle on main stand and park on level ground in places free of traffic.
- 3. Use the side stand to support the vehicle while parked.
- 4. Turn the handlebar fully to the left and lock the steering to help prevent theft.

▲ CAUTION

- Park the vehicle on firm, level ground to prevent it from falling over.
- Park in a safe area that will not block traffic. When you parked the vehicle after driving, make sure foot the vehicle beyond man's reach because engine and muffler are still hot.
- If you must park on a slight incline, aim the front of the vehicle uphill to reduce the possibility of rolling off the side stand or overturning.

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NTENANCE

e Required Maintenance Schedule specifies how often you should have your vehicle served, and what things need attention.

s essential that your vehicle be served as scheduled to retain its high level of safety, dependability, and emission control

ese instructions are based on the assumption that the motorcycle will be used exclusively for its designed purpose. Sustained high red operation, or operation in unusually wet or dusty conditions, will require more frequent service than specified in the AINTENANCE SCHEDULE.

nsult your authorized Daelim dealer for recommendations applicable to your individual needs and use.

INTENANCE SCHEDULE

rm the Self Inspections Before Operation at each scheduled maintenance period. SPECT AND, CLEAN, ADJUST, LUBRICATE OR REPLACE IF NECESSARY

EPLACE L: LUBRICATE C: CLEAN

FREQUENCY		ODOMETER READING(NOTE1)						
ГЕМ	`	×1,000Km	1	4	8	12	16	REMARK
LEIV		MONTH	1	6	12	18	24	
τ .	FUEL LINE			I	I	I	I	
k	FUEL FILTER			R	R	R	R	
K	THROTTLE OPERATION		I	I	I	I	I	
K	CARBURETOR CHOKE		I	I	I	I	I	
	AIR CLEANER ELEMENT			С	С	C	С	NOTE(2)
	SPARK PLUG			I	R	I	R	
K	VALVE CLEARANCE			I	I	I	I	
k	CARBURETOR IDLE		I	I	I	I	I	
K	ENGINE OIL		R	R	R	R	R	
*	ENGINE OIL FILTER		R	R	R	R	R	
	DRIVE CHAIN			Every 1	,000Km :	I and L		

FREQUENCY ODOMETER READING(NOTE 1)								
		×1,000Km	1	4	8	12	16	REMARK
	DIVI	MONTH	1	6	12	18	24	
*	BRAKE FLUID		I	I	I	I	R	NOTE(3)
×	BRAKE SHOE / PAD WEAR		I	I	I	I	I	
	BRAKE SYSTEM		I	I	I	I	I	
×	BRAKE STOP SWITCH		I	I	I	I	I	
×	HEADLIGHT ADJUSTMENT		I	I	I	I	I	
×	SUSPENSION			I	I	I	I	
	CLUTCH		I	I	I	I	I	
	SIDE STAND			I	I	I	Ι	
*	BOLTS, NUTS, FASTENERS		I	I	I	I	I	
*	WHEELS / TIRES		I	I	I	I	I	
*	STEERING HANDLE BEARING		I	I	I	I	I	

If you do not have the appropriate tools or information to conduct maintenance, or if you feel you are not capable to perform maintenance on this vehicle, contact authorized dealers or repair shops for maintenance and repairs.

Γο ensure safety, inspections and maintenance of these parts must be carried out by dealers, or repair centers.

- **TES**: (1) At higher odometer readings, repeat at the frequency interval established here.
 - (2) Service more frequently when riding in unusually wet or dusty areas.
 - (3) Replace every 2 years, or at indicated odometer interval, whichever comes first. Replacement requires mechanical skill.

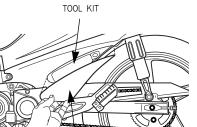
OL KIT

ool kit is in the storage compartment the left sub side cover.

roadside repairs, minor adjustments arts replacement can be performed he tools contained in the kit.

2 screwdriver ewdriver grip nm Box wrench 12mm Spanner

ol bag

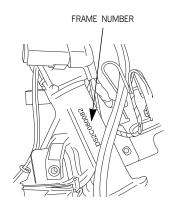


LEFT SUB SIDE COVER

FRAME AND ENGINE NUMBERS

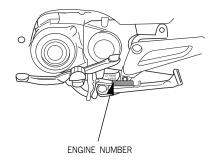
- The frame and engine numbers are needed when registering your vehicle.
- They may also be required by your dealer when ordering replacement parts.
- Record the numbers here for your reference.

FRAME NO.



- The frame number is stamped on the right side of the steering head.
 (Remove the front top cover)
- The engine number is stamped on under of the left crankcase.

ENGINE NO.



NTENANCE PRECAUTIONS

ollowing is an explanation of correct ction methods, cleaning and parts cing. Please always refer to this n when wanting to inspect or repair wehicle.

▲ WARNING

your vehicle is overturned or volved in a collision, inspect control vers, cables, brake hoses, calipers, excessories, and other vital parts for image. Do not ride the vehicle if image impairs safe operation. Have our authorized Daelim dealer inspect to major components, including ame, suspension and steering parts, it misalignment and damage that you ay not be able to detect.

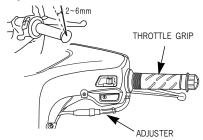
se new, genuine Daelim parts or their quivalent for maintenance and repair. arts which are not of equivalent tality may impair the safety of your otorcycle and the effective operation the emission control systems.

▲ CAUTION

- Always observe safety rules when performing maintenance on the vehicle
- Choose a flat surface and make sure the main stand is in a secure down position.
- Use correct tools.
- Conduct engine maintenance with the engine key out of the ignition.
- Be careful around the engine and muffler when performing maintenance as these areas can become extremely hot.
- After self maintenance, the waste material must be packed in the specified container and entrusted disposal to the authorized disposal company.
- Exhaust gas contains harmful substance such as carbon monoxide.
 Do not carry out inspections on vehicle in closed places, or in poorly ventilated places, with engine running.

THROTTLE GRIP

- Check for smooth rotation of the throttle grip from the fully open to the fully closed position at both full steering positions.
- Measure the throttle grip free play at the throttle grip flange. The standard free play should be approx: 2-6mm
- To adjust the free play, turn the adjuster.



▲ WARNING

• Operating the vehicle with an inadequate throttle cable play can be hazardous. Inadequate throttle cable play can cause engine speed to rise suddenly when you turn the handlebars.

CLEANER ELEMENT

air cleaner element is clogged with there will be greater intake ance, resulting in decreased power t and increased fuel consumption.

▲ CAUTION

o not operate the engine without the cleaner element in place or severe gine damage may result.

you usually ride in dusty areas or gularly operate in vehicle in wet, uddy conditions, you must inspect e air cleaner element more frenently than shown in the mainnance schedule.

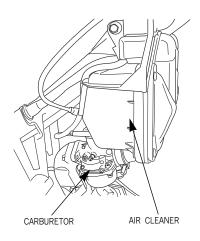
, at any time, the air cleaner ement is submerged in water, mediately clean the element and e inside of the air cleaner cover.

MOVING THE ELEMENT>

nove the front top cover and the L,R at covers.

osen the 4washer screws and remove air cleaner cover.

3. Take off the air cleaner element.



<WASHING THE ELEMENT>

 Clean the air cleaner element in clean oil, squeeze excess oil, and then, wrapping it in a dry cloth, squeeze it again.



OIL: SAE 10W-30

2. Make sure all excess oil removed and reassemble the air cleaner element.

▲ WARNING

 Be sure to keep cleaning solvent and oil away from children and pets.
 Dispose of used solvent and oil properly.

▲ CAUTION

• If air cleaner element is inadequately assembled, dust and other waste materials are absorbed directly inducing cylinder wear and output deterioration, and adversely affecting engine durability. Assemble correctly.

ANGING ENGINE OIL

gine oil is polluted, it seriously ts the engine life span. Maintain priate level of oil, use correct type of d observe oil exchange period.

and vehicle on the main stand on el ground and run engine idle (warm for approximately 2-3 minutes.

p engine and place a container under engine. Remove oil level gauge and in plug bolt, and drain engine oil. then the drain plug bolt.

AIN BOLT TORQUE: 2.0-3.0kgf · m

I the crankcase with the recomnded grade oil.

L CAPACITY: 0.75

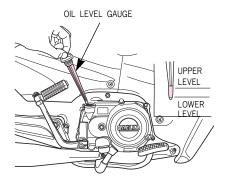
rt the engine and keep it idle for a minutes.

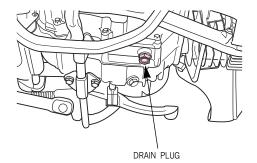
p the engine and check the oil level. he oil level is low, add the recomnded engine oil.

eck on oil leaks.

▲ WARNING

e sure to keep oil away from children d pets. Dispose of used oil properly





<RECOMMENDED OIL>

If oil sold on markets or privatelymanufactured oil (low-grade) is used, engine life is adversely affected, and the privilege of warranty repairs cannot be guaranteed.

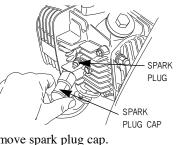
GRADE (SE, SF, SH)

▲ CAUTION

- If you change engine oil immediately after engine is stopped, be careful of burns because the engine, muffler and engine oil are still hot.
- Exercise caution not to allow dust or other foreign matter to flow in when refilling engine oil.
- If oil level is lower or higher than prescribed level, engine is adversely affected.
- Do not mix oil with those of different manufacturers or grade, or do not use low-quality oil as it may cause deterioration of oil, leading to accidents.

IRK PLUG

etrode is stained or clearance is not satisfactory spark is not produced. and make adjustment.



an around the plug.

ng a plug wrench, remove plug.

an plug with plug cleaner.

eck electrode for wear and corrosion.

ne center of electrode became round,

lace the electrode.

asure clearance using a feeler gauge.

UG GAP: 0.6-0.7mm

ghten with hands until the plug sher touches cylinder head.

ANDARD PLUG : C7HSA(NGK)
UG TORQUE: 14 kgf · m

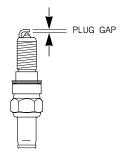
• If new plug is installed, turn 1/2 and tighten using a plug wrench.

If plug is reused, turn 1/3-1/4 and tighten.

▲ CAUTION

- If plug of different maker or different heat value is used, it causes unsatisfactory engine starting, inadequate engine revolution and output deterioration.
- The spark plug must be securely tightened. An improperly tightened plug can become very hot and possibly damage the engine.
- To install a spark plug, turn it in as far as possible with your fingers, then tighten it with a wrench.

Do not overtighten or cross thread the spark plug or the aluminum threads of the cylinder head will be damaged. Do not allow contaminants to enter the engine through the spark plug hole when the plug is removed.



<DEALING WITH POOR STARTING>

When the starter doesn't work during driving in winter times or in a repeated short distance, use the suitable spark plug for this driving condition.

Poor starting may happen when nonstop driving in low speed, even though we produce standard plug.

In case starter isn't working well in driving repeatedly in a short distance or in an area with many traffic signals, use the C6HSA plug instead of standard plug C7HSA.

E SPEED ADJUSTMENT

vehicle in upright position on a flat

rt engine and let in run idle for a few nutes.

ing the throttle stop screw, adjust ng to prescribed level.

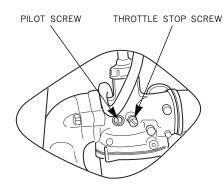
E REVOLUTION: 1,600 <u>+</u>100rpm

ghten up pilot screw and loose kward 3/4.

erate throttle lever lightly and verify re is no change in the number of idle ning. If there is a change, repeat the cess described in paragraph 3 and 4.

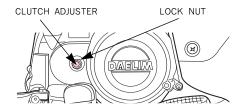
▲ CAUTION

ake sure that the engine is fully armed up before adjusting the idle beed. Improper adjustment can sult in increased engine wear.



CLUTCH ADJUSTMENT

- Adjust the clutch only after turning off the engine.
- ① There are two types of clutch; one-way clutch and clutch.
- ② Adjust the clutch as follows; Loosen the lock nut and turn the clutch adjuster clockwise until it stops and then counterclockwise. At this time, turn the adjuster 1/8 ~ 1/4 turn from where the screw get caught and tighten the lock nut completely.



▲ CAUTION

• When the adjustment is completed, the clutch must not slide when starting the engine and starting using the kick starter must be obtained easily. Check if the gear can be changed easily.

VE CHAIN

e service life of drive chain is endent upon proper lubrication and ustment. Poor maintenance can se premature wear or damage to the we chain and sprocket.

e drive chain should be checked and pricated as part of the Pre-ride pection.

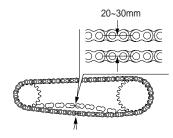
der severe usage, or when the icle is ridden in unusually dusty or ddy areas, more frequent mainance will be necessary.

▲ WARNING

or your safety, drive chain condition d adjustment should be checked ior to each use of the vehicle. Iways follow the manufacturer's commendations for proper lubrition and replacement of the chain.

<INSPECTION>

- 1. Turn the engine off, put vehicle in upright position on the main stand and shift the transmission into neutral.
- 2. Check slack in the lower drive chain run midway between the sprockets. Drive chain slack should be adjusted to allow the following vertical movement by hand: 20-30mm
- 3. Roll the vehicle forward. Stop check drive chain slack. Repeat this procedure several times. Drive chain slack should remain constant. If the chain is slack only in certain sections, some links are kinked and binding, Binding and kinking can frequently be eliminated by lubrication.



4. Rotate the rear wheel slowly and inspect the drive chain and sprockets for any of the following conditions:

DRIVE CHAIN

- ① Damaged rollers
- ② Loose Pins
- (3) Dry or Rusted Link
- (4) Kinked or Binding Link
- (5) Excessive Wear
- ⑤ Improper Adjustment
- (7) Missing O-ring

■ SPROCKETS

- **® Excessively Worn Teeth**
- Broken or Damaged Teeth
- A drive chain with damaged rollers, loose pins or missing O-ring must be replaced.
- A chain which appears dry or shows signs of rust, requires supplementary lubrication.

37

JUSTMENT>

ive chain slack should be checked d adjusted, if necessary, every 00km.

nen operated at sustained high speeds under conditions of frequent rapid eleration, the chain may requir more quent adjustment.

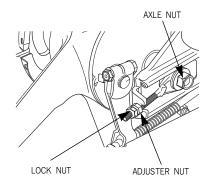
ce the vehicle on its main stand with transmission in neutral and the ition switch off.

ose the axle nut.

ose the lock nuts on both sides of the ingarm.

rn both adjusting nuts an equal mber of turns until the correct drive ain slack is obtained. Turn the usting nuts clockwise to tighten the ain or counterclockwise to provide re slack. Adjust the chain slack at a int midway between the drive ocket and the rear wheel sprocket. tate the rear wheel and recheck slack other section of the chain.

ain slack should be : 20~30mm



5. Tighten the axle nut to specified torque.

AXLE NUT TORQUE: 4.0~5.0kgf.m

6. Tighten the adjusting nuts lightly, then tighten the lock nuts by holding the adjusting nuts with a spanner.

▲ WARNING

 If a torque wrench is not used for this installation, see your authorized dealer as soon as possible to verify proper assembly.

A CAUTION

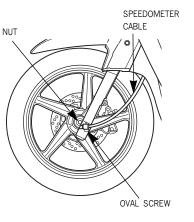
- Excessive chain slack could cause the chain to come off the sprockets, resulting in loss of control or serious engine damage.
- Make sure the right and left chain adjuster graduations are set in the same position.
- After adjusting chain, check the rear brake pedal free play.

EEL REMOVAL

NT WHEEL REMOVAL]

se the front wheel off the ground by cing a support block under the ine.

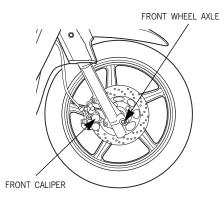
ose the oval screw and remove the edometer cable.



A CAUTION

o not operate brake lever after the ont wheel is removed. If will make neel assembling difficult.

- 3. Remove the front caliper assembly from the fork by removing the fixing bolts.
- 4. Loosen the axle nut.
- 5. Withdraw the front wheel axle and remove the front wheel.



6. Install in the reverse order of removal.

▲ CAUTION

 When installing the wheel, carefully fit the left brake disk between the brake pads to avoid damaging the pads.

- Prior to assembling, match the depressed part(□) of the speedometer gear box with the projected part of the left front fork.
- Fit the caliper over the disk, taking care not to damage the brake pads. Install the caliper fixing bolts, and tighten to a torque of: 2.7kgf.m
- Tighten the front axle nut to the specified torque.

FRONT AXLE NUT TORQUE: 5.0~7.0kgf.m

 After assembling, operate brake for a number of times and see if wheel is turning smoothly without getting interruption.

▲ WARNING

 If a torque wrench was not used for installation, see your authorized dealer as soon as possible to verify proper assembly.

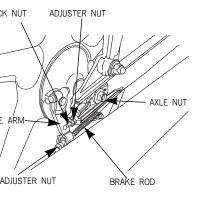
Improper assembly may lead to loss of braking capacity.



R WHEEL REMOVAL]

vehicle on main stand in upright sition on level ground.

osen the rear brake adjuster nut and nove the brake rod from the brake arm. osen the drive chain adjusting lock s and adjusting nuts.



osen the rear brake stopper bolt uring the rear brake panel.

osen the rear weel axle nut and nove the rear wheel axle and the rear eel. 6. Install in the reverse order of removal.

REAR AXLE NUT TORQUE: 4.0~5.0kgf.m

 After installing the wheel, apply the brake several times and then check if the wheel rotates freely. Recheck the wheel if the brake drags or if the wheel does not rotate freely.

▲ CAUTION

• After installing the wheel, adjust the rear brake and drive chain free play.

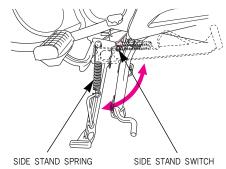
▲ WARNING

 If torque wrench was not used for installation, see you authorized dealer as soon as possible to verify proper assembly.

Improper assembly may lead to loss of braking capacity.

SIDE STAND

- Erect main stand and place vehicle in upright position on level ground.
- Check the spring for damage or loss of tension and the side stand assembly for freedom of movement.
- Check the side stand ignition cut-off system;
- ① Put the side stand up.
- ② Start the engine.
- ③ Lower the side stand. The engine should stop as you put the side stand down.
- If the side stand system does not operate as described, inspect it in the closest authorized repair center.



TERY

not necessary to check the battery olyte level or add distilled water as attery is a maintenance-free (sealed) If your battery seems weak and/or is ag electrolyte (causing hard starting her electrical troubles), contact your rized Daelim dealer.

▲ CAUTION

emoving the battery cap strip can mage the cap strip and result in leaks d eventual battery damage.

hen the vehicle is to be stored for an tended period of time, remove the ttery from the vehicle and charge it ly. Then store it in a cool, dry place. If a battery is to be left in the vehicle, sconnect the negative cable from the ttery terminal.

A WARNING

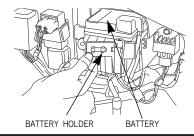
ne battery gives off explosive gases; sep sparks, flames, and cigarettes way. Provide adequate ventilation nen charging or using the battery in enclosed space.

▲ WARNING

- Battery acid is poisonous and corrosive. Avoid contact with eyes, skin, clothing, and painted surfaces.
 If battery acid comes in contact with any of these, flush immediately with large amounts of water.
 If acid contacts the eyes or skin, get
 - medical attention.
- KEEP OUT OF REACH OF CHILDREN.
 Even though the battery is sealed, it still vents explosive gases.
 Do not allow open flames or sparks near the battery.

<BATTERY REMOVAL>

- 1. Turn the ignition switch OFF.
- 2. Loosen the 2 special screws and remove the right side cover.
- Remove the battery holder by removing the mount bolt.
- 4. Disconnect the negative ⊖ terminal lead from the battery first, then disconnect the positive ⊕ terminal lead.
- 5. Pull out the battery from the battery box.



▲ CAUTION

 Make sure that terminals do not contact with other adjacent parts when handling ⊕/⊖ terminals.

<CLEANING BATTERY TERMINALS>

- If the battery terminal is polluted, or in rust, separate battery and clean it.
- Battery terminal in rust with white powder should be cleaned with warm water. In case of serious rust of battery terminal, disassemble the battery cord and grind it with wirebrush or sandpaper.



41

SE REPLACEMENT

off the main switch to see if the fuse is ed. If the fuse is severed, exchange the nto 7A fuse.

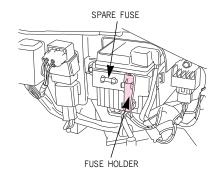
se is installed inside fuse holder located r battery.

separate fuse, open fuse holder, hold h ends of fuse cord and pull up, and l out the fuse connector crosswise.

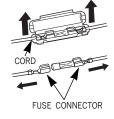
he fuse immediately becomes severed er being changed with the new one, eck another problem of the electric tem.

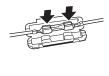
▲ WARNING

om that specified. Serious damage to e electrical system or a fire may sult, causing a dangerous loss of ghts or engine power.



<DISASSEMBLY> <ASSEMBLY>





▲ CAUTION

- Turn the ignition switch OFF before checking or replacing fuse to prevent accidental short-circuiting.
- When disassemble fuse, make sure that fuse holder isn't separated.
- After assembling fuse in the part of connector, check if fuse moves easily to a line. If fuse moves easily, it may cause an accident at heating.
- When replacing any of the electrical parts (lights and gauges), be sure to replace them with the recommended parts. Using different parts can lead to the fuses burning out or damage to the battery.
- When washing the vehicle take special card not to allow to be splashed in the area of the fuse.

B REPLACEMENT

sure to turn the ignition switch OFF en replacing the bulb.

not use bulbs other than that cified.

er installing a new bulb, check that light operates properly.

WARNING

ne light bulb becomes very hot while he light is ON, and remain hot for a hile after it is turned OFF. Be sure to hit cool down before servicing.

▲ CAUTION

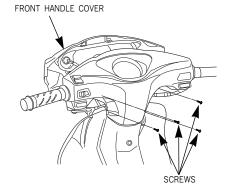
o not put finger prints on the adlight bulb, as they may create of spots on the bulb and cause it to eak. Wear clean gloves while placing the bulb.

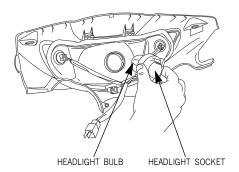
you touch the bulb with your bare inds, clean it with a cloth moistened ith alcohol to prevent its early ilure.

[HEADLIGHT BULB]

- Before replacing the bulb, be sure to check the switches for loose connection of the connector.
- 1. Remove the back mirrors.
- 2. Loosen the 4 screws and remove the front handle cover.
- 3. Slightly press down on the bulb holder and turn it counterclockwise.
- 4. Slightly press down on the socket and turn it counterclockwise.
- Install a new bulb in the reverse order of removal.

HEADLIGHT BULB: 12V 35/35W





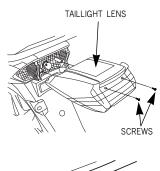
/STOPLIGHT BULB]

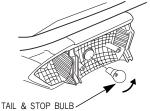
osen the 2 screws and remove the light lens.

ghtly press down on the bulb and nit counterclockwise.

tall a new bulb in the reverse order removal.

L/STOPLIGHT BULB : 21V 21/5W



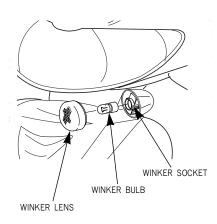


[WINKER BULB] (EUROPE ONLY)

<Front winker bulb>

- 1. Press the winker lens groove and open the winker lens using plain screwdriver.
- 2. Slightly press down on the bulb and turn it counterclockwise.
- 3. Install a new bulb in the reverse order of removal.

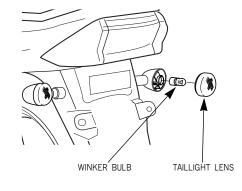
FRONT WINKER BULB: 12V10Wx2



<Rear winker bulb>

- 1. Press the winker lens groove and open the winker lens using plain screwdriver.
- 2. Slightly press down on the bulb and turn it counterclockwise.
- 3. Install a new bulb in the reverse order of removal.

REAR WINKER BULB: 12V10Wx2



KER BULB]

nt winker bulb>

nove the back mirrors.

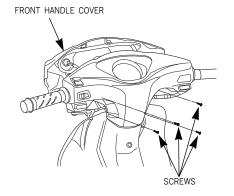
osen the 4 screws and remove the nt handle cover.

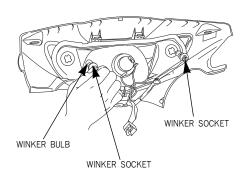
ngtly press down on the winker bulb der and turn it counterclockwise.

l off the bulb without turning.

tall a new bulb in the reverse order removal.

ONT WINKER BULB: 12V10Wx2

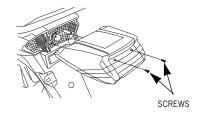


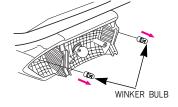


<Rear winker bulb>

- 1. Loosen the 2 screws and remove the taillight lens.
- 2. Pull off the bulb without turning.
- 3. Install a new bulb in the reverse order of removal.

REAR WINKER BULB: 12V10Wx2

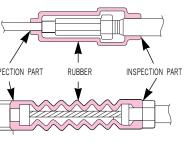




BLE RUBBER PART

ber part is assembled on the cable to et the inner cable.

sure that this part is placed firmly nd the correct part of the cable. In washing the car, do not directly water on to the rubber part is dirty, dry cloth to clean this area.



▲ CAUTION

filtration of the foreign materials or ater caused by damage of lever isengagement, tearing, etc.) may suse freezing in winter season sulting in faulty operation, sudden celation and braking force decrease. any damage is found, replace with e new on immediately.

CLEANING

Clean your vehicle regularly to protect the surface finishes and inspect for damage, wear, and oil, coolant or brake fluid leakage.

▲ CAUTION

- Make sure to stop the engine prior to car washing.
- High pressure water (or air) can damage certain parts of the vehicle.
- Be careful not to allow water to enter the muffler during the washing. Water inside the muffler may cause an improper engine starting or rust occurrence.
- Do not let water get inside the braking system during the washing, as water inside the brake system may weaken the braking power. Upon completion of washing, select a safe place where there is no traffic obstruction, and start the vehicle.

Lightly apply the brake while driving at a slow speed and check the braking power. If the braking power has been weakened, apply brake lightly while driving at a slow speed to dry up the brake system.



- 1. After cleaning, rinse the vehicle thoroughly with plenty of clean water. Strong detergent residue can corrode alloy parts.
- 2. Dry the vehicle, start the engine, and let it run for several minutes.
- 3. Test the brakes before riding the vehicle. Several applications may be necessary to restore normal braking performance.
- 4. Lubricate the drive chain immediately after washing and drying the vehicle.

▲ WARNING

 Braking efficiency may be temporarily impaired immediately after washing the vehicle. Anticipate longer stopping distance to avoid a possible accident.

NERAL CLEANING

serve the finish of metal parts and paintwork, and clean your motorcycle at regular ls, anyway according to the road conditions e in.

ially during winter period through road salt a lous cleaning of the vehicle is necessary so nove the road salt.

ORTANT>

wash your motorcycle right after use. the motorcycle is still hot, water drops will ate faster and spot hot surfaces. use high pressure water jets.

aim the nozzle direct at wheel bearings, front als, electric items, air inlets or exhaust pipe

off stubborn dirt or exceeding grease from parts using a degreasing agent.

e to avoid contact with drive parts (chain, ets, etc)

with warm water and dry all surfaces with is leather.

STORAGE GUIDE

Extended storage, such as for winter, requires that you take certain steps to reduce the effects of deterioration from non-use of the motorcycle.

In addition, necessary repairs should be made BEFORE storing the motorcycle; otherwise, these repairs may be forgotten by the time the vehicle is removed from storage.

<STORAGE>

- Change the engine oil and filter.
- Empty the fuel tank into an approved gasoline container using a commercially available hand siphon or an equivalent method.
- If storage will last more than one month, carburetor draining is very important, to assure proper performance after storage.

▲ CAUTION

 Gasoline is extremely flammable and is explosive under certain conditions.
 Perform this operation in a well-ventilated area with the engine stopped. Do not smoke or allow flames or sparks in the area where gasoline is drained or stored and where the fuel tank is refueled.

- Remove the battery. Store in an area protected from freezing temperatures and direct sunlight. Slow charge the battery once a month.
- Wash and dry the vehicle. Wax all painted surfaces.
- Inflate the tires to their recommended pressures. Place the vehicle on blocks to raise both tires off the ground.
- Cover the vehicle (don't use plastic or other coated materials) and store in an unheated area, free of dampness with a minimum of daily temperature variation.
 Do not store the vehicle in direct sunlight.

<REMOVAL FROM STORAGE>

- Uncover and clean the vehicle.
- Change the engine oil if more than 4 months have passed since the start of storage.
- Charge the battery as required. Install the battery.
- Perform all Self Inspections Before Operation checks (page 17).

Test ride the motorcycle at low speeds in a safe riding area away from traffic.

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SAFE DRIVING

EPARATION BEFORE DRIVING

Performing daily inspection

on the protective gears (Helmet, glove, goggles, etc.)

Bringing the driver's licence

Determinating the path to the desired destination



VING METHOD

IVING POSITION

appropriate driving position is most important thing to ng safely.

yes: Look at the front direction widely.

houlders: Relieve the tension.

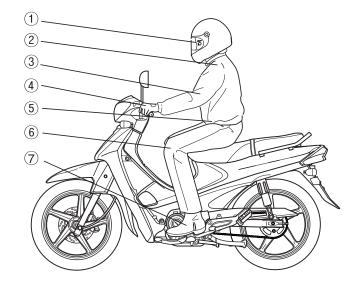
rms: Relieve the tension and bend arms to inside and let them act as the spring.

lands: Grip the handle the position away from the inside end of the handle with distance of one finger to facilitate the operation of the switch and lever.

7rist: Keep the state to act freely without applying excessive force to the shoulder and arms.

nees: Press the fuel tank slightly.

eet: Place the feet to face the front parallel and make the step bar be placed in the center of feet.



ECAUTION WHEN DRIVING

Secure the safe distance.

Drive protectively.

Oo not obstruct the traffic.

Oo not drive on the pedestrian way or walkway.

Drive on the left driveway when passing away.

Make sure that you can apply the brake anytime.

if apply the orace anythine.

Always apply the brake when stopping temporarily.

Do not drive excessively long distance and take enough oreak.

- If any abnormality is found, stop driving and contact service center to inspect the vehicle.
- Restart the vehicle after 2~3 min when it is turned over.
- Always turn on the headlight at night.

ARTING

to starting always look around to avoid accident.

Get on the vehicle after pulling back the stand.

Start driving slowly after turning on the winker and releasing the brake while ensuring the safety around the vehicle.

▲ CAUTION

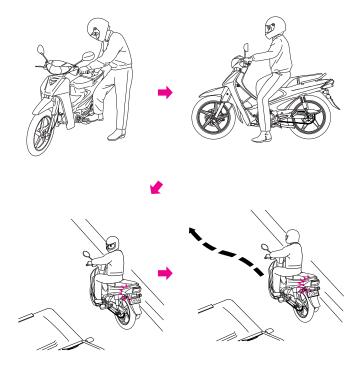
Return the side stand to its original position. Keep driving without doing this may cause turnover accident. Drive the vehicle only on the driveway. Driving on the walkway can cause accident. Also, if the wheel is transformed when advancing directly to the walkway, the vehicle can be overturned resulting in injury of the driver due to the driving unstability.

Overspeed driving on the unpaved road can cause the vehicle to be overturned resulting in injury of the driver due to the driving unstability.

Do not drive in the gravel road. If any gravel enters the wheel or engine case, the vehicle can be overturned resulting in injury of the driver.

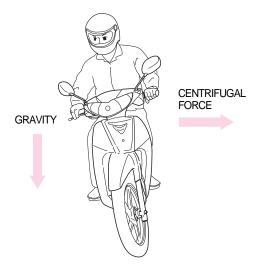
If possible, do not drive close to the sea or on the road where calcium chloride is treated.

The muffler, external parts and welded parts can be corroded rapidly, and also in case of damage of the frame, the vehicle can be overturned resulting in injury of the driver.



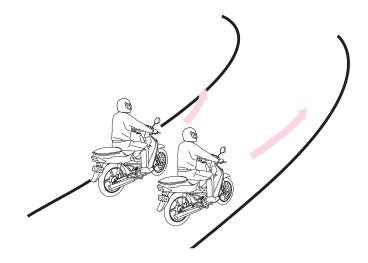
RNING METHOD

INCIPLE OF TURN



basic principle of turn is balancing using the centrifugal which makes motorcycle go outside and the gravity which es vehicle fall inside.

EFFECT OF SPEED



The centrifugal force increases in inverse portion to the radius of a curve and in portion to the square speed. Decelerate prior to entering the curved way to reduce the centrifugal force.

OSITIONS OF TURNING

basic principle of turn is balancing using combined force of centrifugal force and the gravity.

3 positions require straightening the head and keeping the horizontally.

AN-WITH >

is a turning position with motorcycle and driver in a line. position is the most natural and exact, so driver must learn broughly.



< LEAN-IN >

This is a turning position with driver leaned inside more than motorcycle. This position is adequate to drive on the rained or slippy road because it has best road holding.

However, special attention is required because front visual field is poor when driver leans inside more than motorcycle.



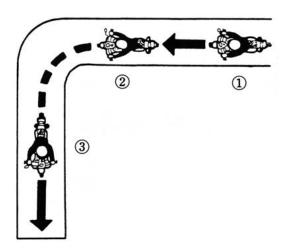
53

EAN-OUT >

is is a turning position with motorcycle leaned inside the than driver, which is opposite to the lean-in position. In this position, quick turn is well performed and driver can in wide front visual field adequate to drive on the rained or by road because it has best road holding. However, special action is required because there is danger of slipping on the holding road.



TURNING METHOD

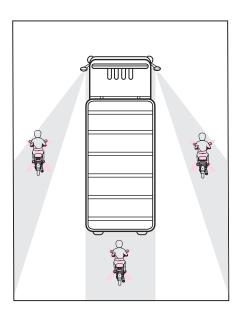


- ① Turn the throttle grip to its original position and decelerate using both front and rear brakes.
- ② Lean the vehicle toward inside of turn circle while driving slowly at constant speed.
- ③ Accelerate gradually.

ECAUTION WHEN TURNING

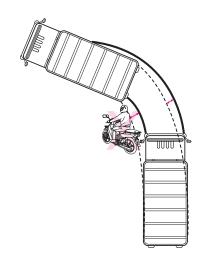
ot drive inside of large truck's turn circle.

EAD ANGLE ZONE > d angle zone is the sight range which cannot be identified by er and increases in proportion to the width of the vehicle.



< DISTANCE BETWEEN THE FRONT AND REAR WHEEL TURN>

It is distance between path of the front and rear wheel and increases in proportion to the length of the vehicle.



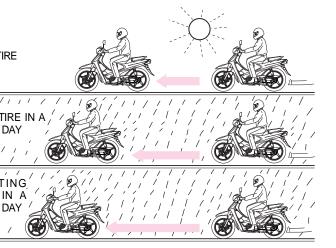
55

AKING METHOD

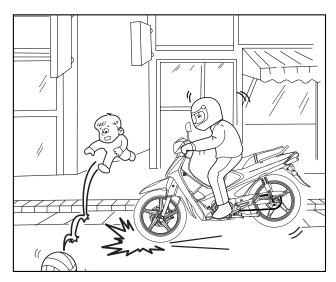
SIC PRINCIPLE OF BRAKE (FRICTION FORCE)

Vehicle is braked using friction between road surface and res.

Braking distance increases 1.5 times on wet road and 3 imes on icy road because friction force of road surface is ecreased.



RESTRAINT OF BRAKE EFFECT (INERTIA)



Due to the inertia, vehicle does not stop immediately after applying the brake.

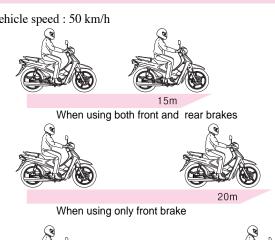
AKING METHOD

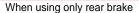
'urn the throttle grip to its original position and decelerate sing the engine brake.

rect the vehicle straight.

brake using both front and rear brakes.

MPARISION OF BRAKING DISTANCE

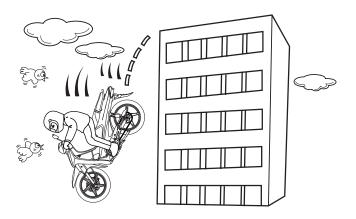




28m

IMPACT WHEN COLLISION

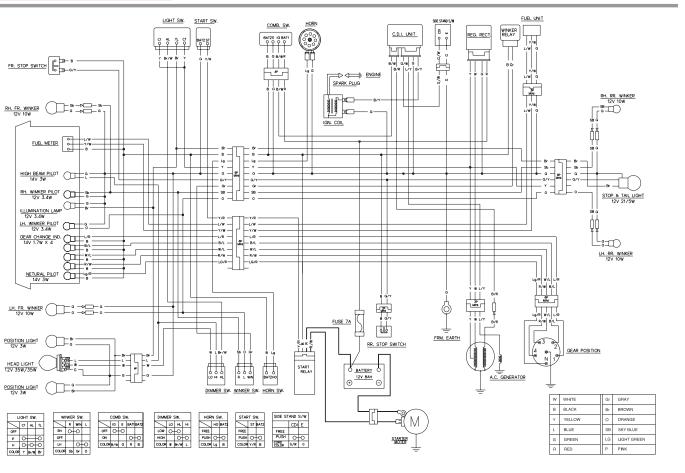
Learn the proper braking method to prevent accident.



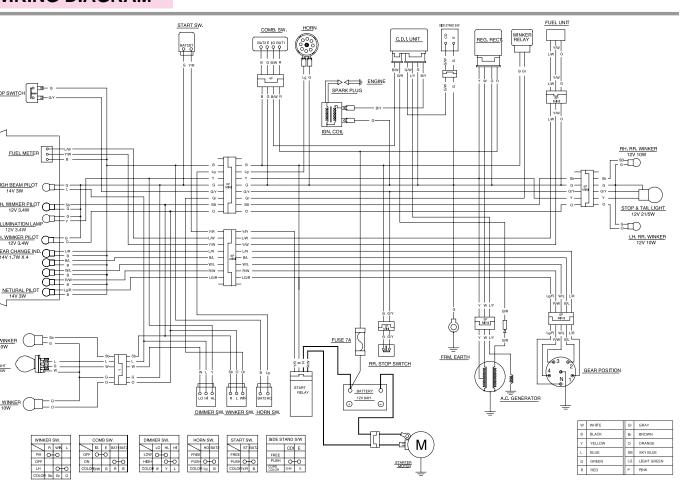
Impact increases in proportion to the speed and weight. The impact when collision to concrete wall at 50 km/h is same as one when falling from the height of 10m.

) :		

VIRING DIAGRAM (EUROPE ONLY)



VIRING DIAGRAM



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