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## **READ THIS MANUAL CAREFULLY**

For questions regarding this  
UTV, please  
contact HISUN at:  
(972)446-0760  
[www.hisunmotors.com](http://www.hisunmotors.com)

REV. 07311401

No one under the age of 12  
should operate this vehicle.

Provincial / Municipal  
governments have different  
regulations pertaining to  
owning and operating an  
off-road vehicle; learn the  
regulations in your area.



# OWNER'S MANUAL STRIKE 250

**HISUN**<sup>TM</sup>  
GRAB SOME SUN

# **Introduction Strike 250**

## **INTRODUCTION**

Congratulations on your purchase of the HS 250UTV. This Owner's / Operator's manual will provide you information regarding safe operation, operational instructions, maintenance and care. Fully understanding this manual and following all of the instructions herein will provide the knowledge needed to have safe and enjoyable UTV operation.

**For questions regarding this UTV, please call (972) 446-0760.**

### **IMPORTANT SAFETY MESSAGES**

- **READ THIS MANUAL CAREFULLY AND COMPLETELY BEFORE OPERATING YOUR UTV. MAKE SURE YOU UNDERSTAND ALL INSTRUCTIONS.**
- **PAY CLOSE ATTENTION TO THE WARNING AND CAUTION LABELS ON THE UTV.**
- **NEVER OPERATE THE UTV WITHOUT PROPER TRAINING OR INSTRUCTION.**
- **THIS UTV SHOULD NOT BE RIDDEN BY ANYONE UNDER 12 YEARS OF AGE.**

# Introduction Strike 250

## IMPORTANT MANUAL INFORMATION

**FAILURE TO FOLLOW THE WARNINGS CONTAINED IN THIS MANUAL CAN RESULT IN SERIOUS INJURY**

**OR DEATH.** Particularly important information is distinguished in this manual by the following notations:



The Safety Alert Symbol means **ATTENTION!**  
**YOUR SAFETY IS INVOLVED!**



Failure to follow **WARNING** instructions could result in severe injury or death to the machine operator, bystander or a person inspecting or repairing the machine.



**A CAUTION** indicates special precautions that must be taken to avoid damage to the machine.

**NOTE:** **A NOTE** provides key information to make procedures easier clearer.

# Introduction Strike 250

## IMPORTANT NOTICE

This UTV is designed and manufactured for **OFF - ROAD** use only. It is illegal and unsafe to operate this UTV on any public street, road or highway.

This UTV complies with all applicable **OFF - ROAD** noise level and spark arrester laws and regulations in effect at the time of manufacture.

Please check your local riding laws and regulations before operating this UTV.

When the temperature is below -4°F (-20°C), park the UTV in a place where the temperature is higher than -4°F (-20°C). Start the UTV after the UTV has warmed up. Please see page 7-3 on the warming up process.

Follow the proper parking procedures when the temperature is higher than 100°F (38°C): turn off the engine; make sure the radiator fan is on for 3 minutes before turning off the power switch.

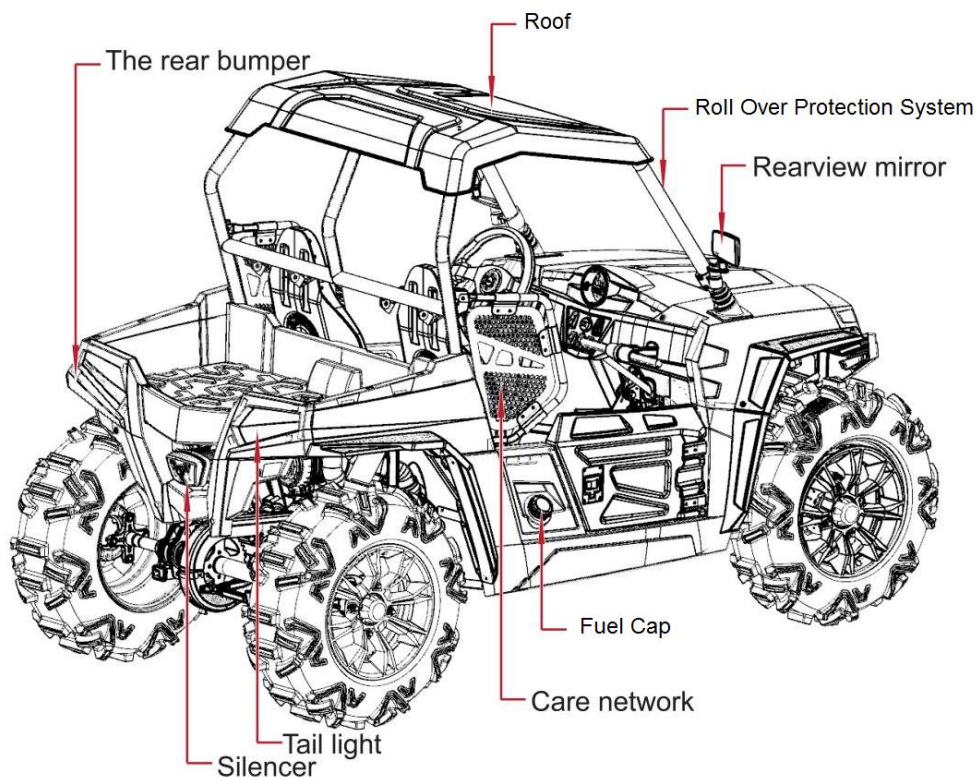
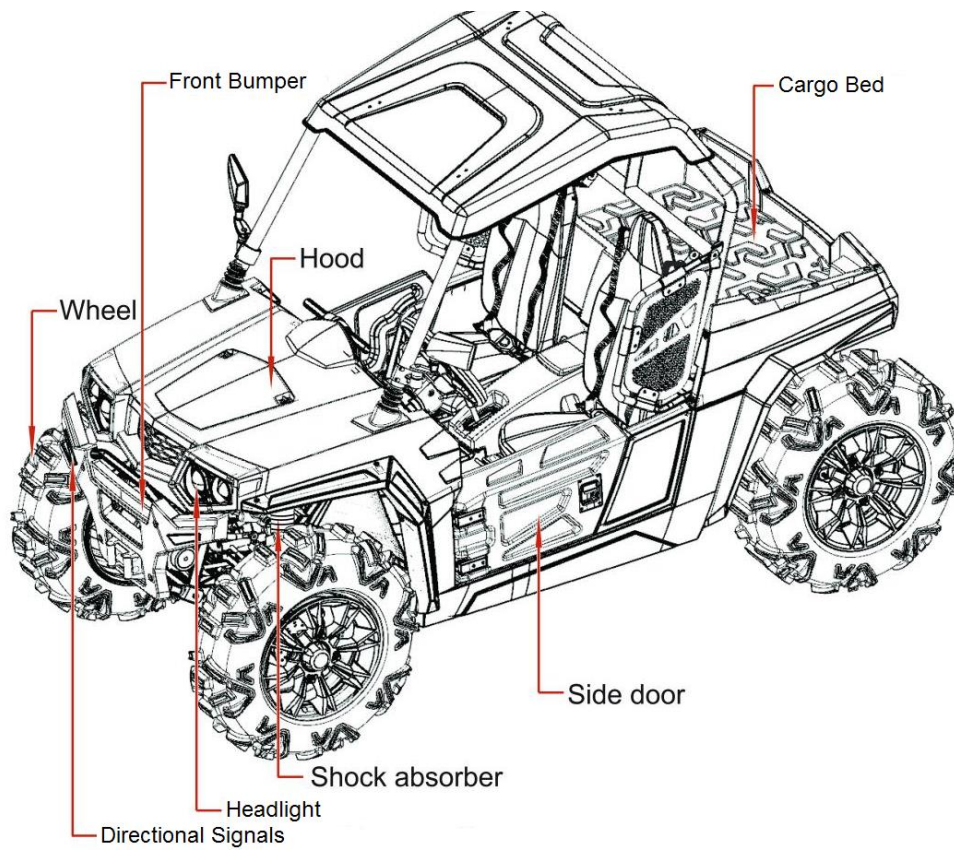
Starting the UTV for the first time will take longer because the fuel will need reach the fuel injectors. To start the UTV the first time, hold the ignition key on at 5-second intervals. Allow the starter to rest 15 seconds between each start attempt.

# Introduction Strike 250

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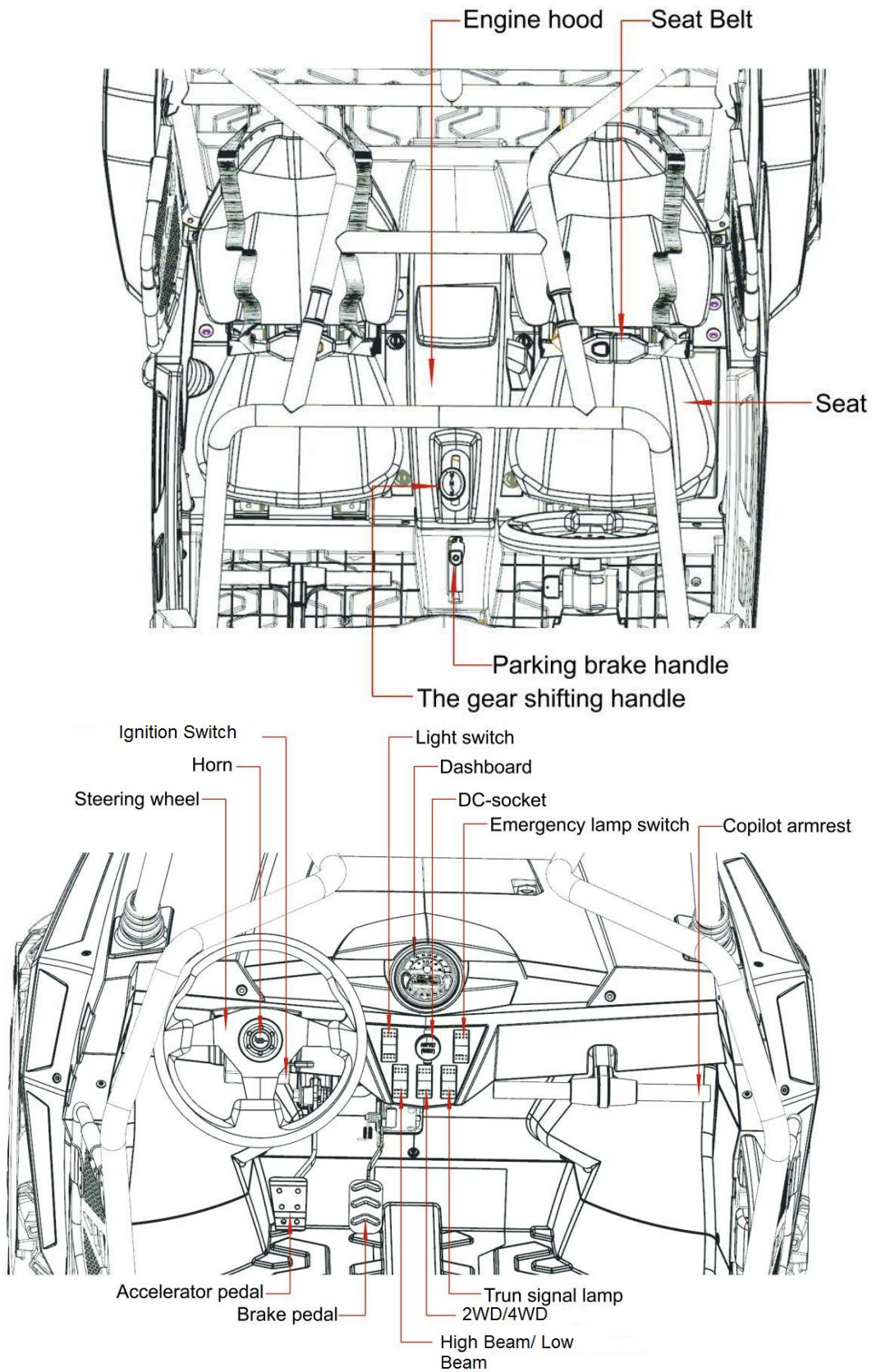
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# Introduction Strike 250

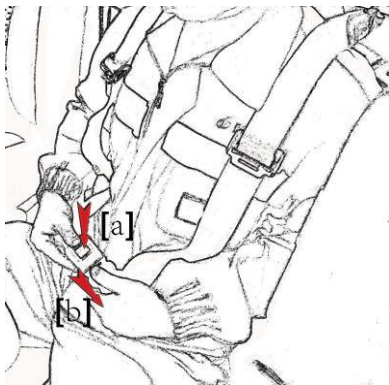


# Safe Operation

All operators, including experienced UTV drivers or passengers, should carefully read and fully understand this Users Manual, and operate strictly as the manual states in order to achieve the best performance and avoid accidents. Others who will use your UTV should be trained on how to operate the UTV and be required to read this manual before operation.

## 1. Safety Instructions:

1. Understand this UTV by reading this manual and understanding all the components of the vehicle. Only start and operate the vehicle after finishing reading this manual.
2. Pay close attention to the warning and caution labels on the UTV.
3. Understand completely and learn to use the safety devices (roll-over protective structure, seat belts), and never change the original safety devices. If safety devices are damaged, consult your local dealer for replacement. Always use seat belts.



- [1] Press the button [a] direction;  
[2] Pull the locking [b] direction;

4. Do not wear loose articles of clothing during

operation, as these can be drawn into moving parts on the vehicle and could cause a severe injury to occur.

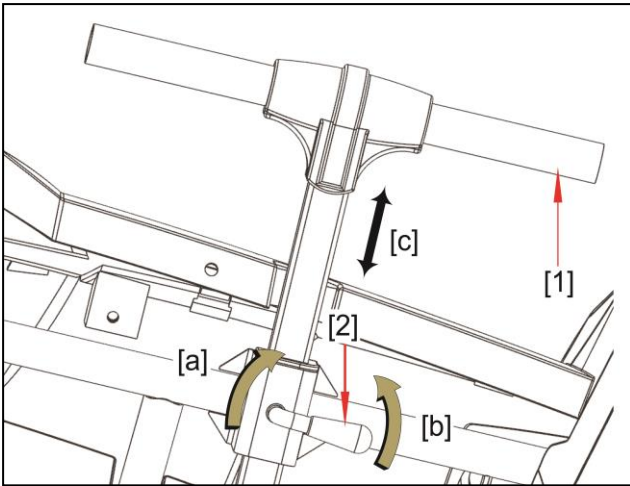
You should always wear protective equipment, such as helmet, boots, eye protection, ear protection, and gloves etc.

- 5) Only a qualified driver should operate this UTV. Never operate after drinking, using drugs or controlled products, or while fatigued.
- 6) Always perform the pre-operation checks as following:
  - 1) Check seat belt for wear or damage, if necessary, replace it.
  - 2) Check brakes, throttle, brake pedal and other mechanical parts for proper operation. If you discover any irregularities, replace related parts as necessary. Periodically check the fittings and fasteners.
  - 3) Check engine oil level and engine coolant level.
  - 4) Check that the UTV is equipped to handle the surroundings.
  - 5) Check and keep vehicle clean. Sludge, grease and debris can cause a fire and severe injury.
- 7) Passenger quantity and loading:
  - 1) Only the driver and one passenger inside cab. It is suggested that children under age of 5 not be allowed as a passenger. Single-row vehicle's loading limit is **660lbs** (300KG). Reduce the loading weight according to road conditions. Never exceed the weight limits for operation.



## Safe Operation

- 8) Never allow unauthorized persons to repair this UTV. This may affect vehicle performance and cause injury.
- 9) This UTV is designed and manufactured for off-road use only so never drive on paved roadways.
7. In addition to passenger seatbelts, a front passenger handrail, used with both hands to grasp and add additional personal stability. Adjust the lever (2) by loosening (b), then pull or push the Handle to the desired length and tighten (2) direction (a).



### 2. Operation

1. Start the engine only in an open ventilated area. Carbon monoxide is colorless, odorless and is emitted from the engine and can cause death in areas with poor ventilation.
2. Never start the vehicle or operate the gear selector unless seated in the driver's seat.
3. Never start the engine until the select lever is placed in "N" position and the brake is in the brake position.
4. The driver and passenger shall always wear their seatbelt while the vehicle is being operated.
5. Operators of the UTV should not wear earphones.

6. Do not accelerate quickly when starting the engine, especially driving on rough terrain as this can cause injury or death. Press the accelerator pedal slowly.
7. Drive at slow speeds before braking.
8. Never drive over terrain such as a ditch, a hole, dams, excessive mud, or the vehicle can get stuck because of the vehicles weight.
9. Always pay close attention to your surroundings, and check for streets, trail intersections or other obstacles.
10. Always use signals in advance of turns.
11. Do not allow entrance or exit of the vehicle while it is moving.
12. Keep the floorboard free of debris that can obstruct the ability to use the brake pedal.
13. Position your hands on the steering wheel. Always keep your hands and feet inside passenger area of the vehicle. Never try to stand while operating the vehicle.
14. Do not tow passengers, or attempt to jump the vehicle.

### 3. Children safety instructions

Always watch children when they are around the vehicle. Children like to imitate adults and this could lead to an accident.

Do not leave children alone beside the vehicle.

Keep children from the operating area of the vehicle.

Turn off the engine and remove the key when children are in the operating area. Never carry children in the cargo area. This is very dangerous to children. Children under age of 5 should not be allowed in this vehicle

## Safe Operation

Never allow children to touch or climb on the vehicle, even if they are under adult supervision.

Always check for people or obstacles behind the vehicle before shifting the vehicle into reverse.

Avoid a collision with an obstacle or person.

Park the vehicle on a firm, flat area. If parking on a slope, you should use hand lever parking brake, remove the key.

### 4. Driving on a slope

Be cautious when riding on a slope, as this is the main reason for loss of control, and overturn, leading to severe injury or even death.

1. Drive in a straight line on a slope at a low-speed.
2. Reduce weight when riding on a slope or rough terrain.
3. Avoid the sudden application of the brakes when you go uphill or downhill. Be more careful when vehicle turns on a slope.
4. If you start to lose momentum or need to park when climbing, use the hand lever brakes to come to a stop. Release the brake and begin to coast down the hill.
5. If do not believe you can operate the UTV safely in reverse do not attempt to ascend the slope any further.
6. Riding in mud, a ditch, and on slopes will increase the risk of an overturn. Be more cautious when operating. Drive gradually and slowly when climbing. Avoid sudden changes of vehicle speed or direction.

### 5. Driving in harsh conditions

1. Vehicle can be operated during the day or under good light conditions.
2. Under all conditions, both operator and passengers should wear helmet and protective equipment.
3. The Driver should slow down according to road conditions, terrain, visibility conditions.
4. Driver should slow down according to road conditions, terrain, visibility conditions.
5. Be cautious when driving over a ditch, stone roads or hidden obstacles.
6. Avoid operating in any unknown depth of water. (water depth should not exceed axle height)

### 6. Driving at high speed

1. Check for front/rear wheels conditions.
2. Slow down when turning. Turning at high speed may result in overturn or even death.
3. Turn on your headlights at high speeds.
4. Drive only when the vehicle speed can be controlled.
5. When driving at high speeds, sudden turning of the steering wheel will reduce vehicle stability. Never sharply turn the steering wheel at high speeds.

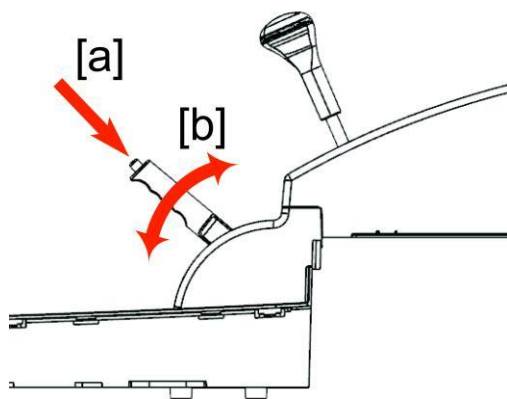
# Safe Operation

## 7. Instructions for carrier

1. Never carry a passenger in the cargo area.
2. Evenly distribute the cargo to maintain proper stability. Avoid overloading the carrier. Cargo should be securely attached.
3. Reduce loaded weight when driving on poor road conditions or on steep inclines.
4. Only the driver should be in the seat when operating the hydraulic dump mechanism (if applicable). Once lowered, lock the cargo bed in place before operating the vehicle.
5. Do not put your hands or your body under the cargo bed when the carrier is lifted (if applicable). Avoid driving before securing and locking the cargo bed.

## 8. Parking

1. Set the gear shift to the "N" position and pull the braking brake to the top position to park the vehicle, before the driver exits the vehicle.
2. Avoid stopping the vehicle on a slope. If stopping on a slope make sure the vehicle is stationary before exiting.



[1] Press in on button [a].

[2] Pull to "Lever" to the [b] direction.

## 9. Transportation

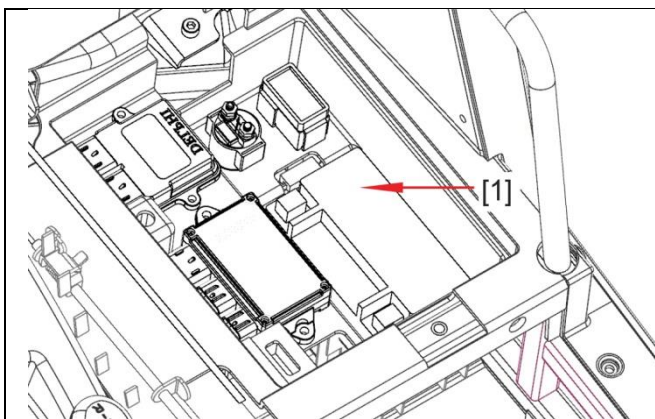
1. Avoid dragging the vehicle behind another vehicle. Use a trailer or truck to transport the vehicle.
2. When loading or unloading, pay attention to your surroundings and others in the area.

## 10. Maintenance

Stop the vehicle and park it on level ground. Pull the parking brake and remove all cargo. Place the shift lever in the "N" position, stop the engine and remove the key.

1. When working next to the engine, exhaust, or radiator, work only after it has cooled down.
2. Wait for the engine to stop running and cool down before checking the coolant level. Otherwise, you could be burned by hot fluid or steam.
3. No smoking when adding electrolyte or refueling. The fuel tank and battery should be kept away from sparks. The battery produces hydrogen and oxygen during charging and this could accelerate the risk of explosion.
4. Read and follow the instructions before replacing the battery.
5. During maintenance, first aid kits and fire extinguishers should be placed at your fingertips.
6. During maintenance, you should disconnect the battery cables.

## Safe Operation



[1] Battery

7. Do not open the radiator cap before the coolant has cooled down. When the coolant is cold, open slowly and let the coolant pressure reduce, and then open radiator cap. Check for the coolant level in the coolant reservoir. If necessary, add coolant.
8. Tires should be mounted on rims with special equipment, only by professionals.
9. Keep the specified tire pressure to ensure driving safety.
10. Elevate the vehicle and place a suitable stand under the frame when removing the wheels. Be sure to re-tighten the wheel nuts to the specified torque.

# Warning Labels

## Warning and caution labels

(1)



(2)



(3)



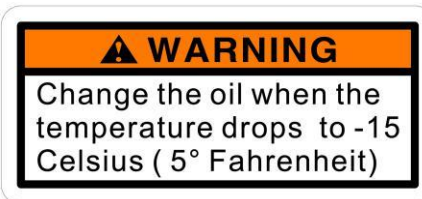
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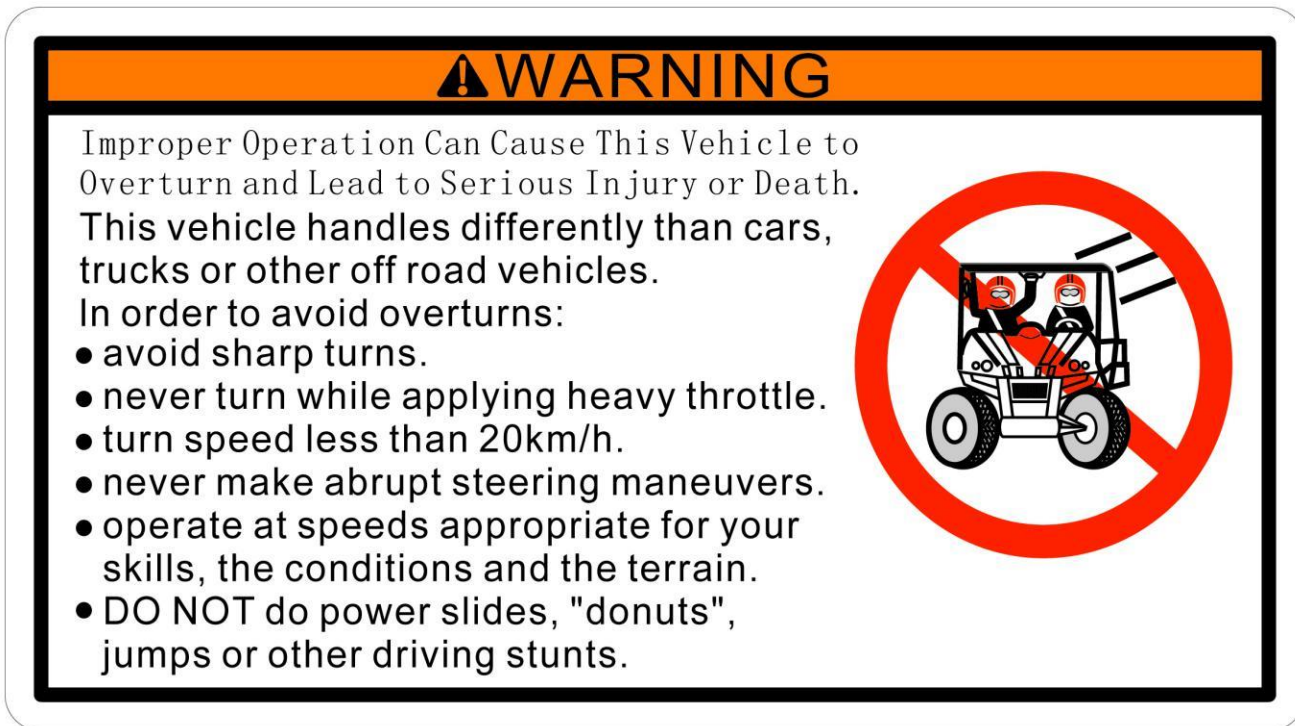
(5)



(6)

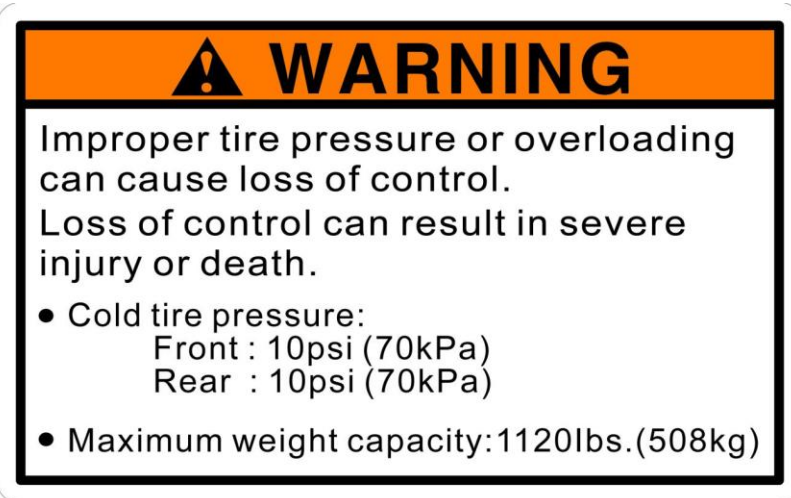


(7)



## Warning Labels

(8)



(9)



(10)





## Vehicle Identification Number

# SERVICING OF VEHICLE

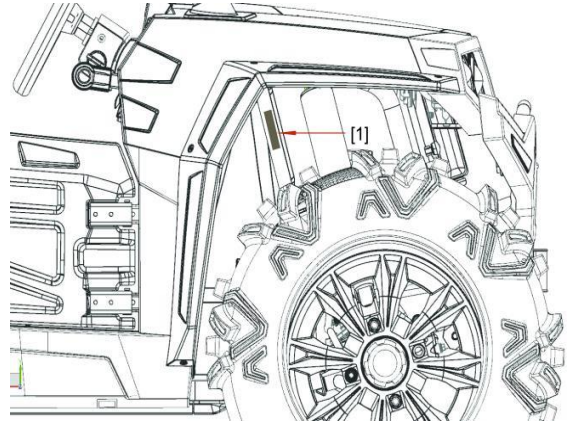
Your dealer is interested in your new vehicle and has the desire to help you get the most value from it. After reading this manual thoroughly, you will find you can do some of the regular maintenance by yourself.

However, when in need of parts or major service, be sure to see your dealer.

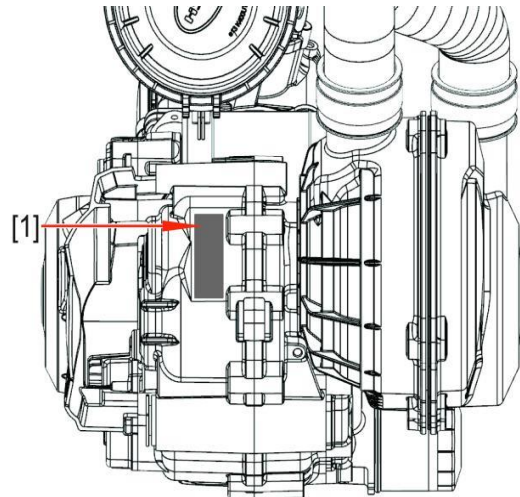
For service, contact the dealership from which you purchased your vehicle or your local dealer.

When in need of parts, be prepared to give your dealer both the vehicle and engine serial numbers. Locate the serial numbers now and record them in the space provided.

|                               | Type | Serial No. |
|-------------------------------|------|------------|
| Vehicle                       |      |            |
| Engine                        |      |            |
| Product Identification Number |      |            |
| Date of Purchase              |      |            |
| Name of Dealer                |      |            |



[1] Vehicle Identification number.



[1] Engine serial number

# Specifications

## SPECIFICATION TABLE

|                      |                     |            |  |              |
|----------------------|---------------------|------------|--|--------------|
| Engine               | Make                |            | Specification                                      |              |
|                      | Type                |            | 1cylinders, 4-cycle, gasoline, SOHC, liquid cooled |              |
|                      | Displacement(s)     | cc         | 229CC  |              |
|                      | Horsepower          | Kw(HP)     | 12 or ( 16.09Hp @ 7500 Rpm )                       |              |
|                      | Rated revolution    | rpm        | 7500   |              |
| Fuel Capacity        |                     | L(U.S.gas) | ≥13.5 ( 3.5 ± .01 Gal )                            |              |
| Transmission         |                     |            | CVT  |              |
| Wheels, Drive system |                     |            | 4,   |              |
| Gear selection       |                     |            | L-H-N-R  |              |
| Brakes               | Front/Rear          |            | Wet disk brake                                     |              |
|                      | Parking brake       |            | Rear wheel, hand lever                             |              |
| Steering             |                     |            | Electronic power                                   |              |
| Suspension           | Front               |            | Independent, short-long arm type                   |              |
|                      | Rear                |            | Independent, short-long arm type                   |              |
| Dimensions           | Length              | mm(in.)    | 2260 (88.98)                                       |              |
|                      | Wide                | mm (in.)   | 1262 ( 49.69 )                                     |              |
|                      | Height              | mm (in.)   | 1500 ( 59 )  |              |
|                      | Front tread centers | mm (in.)   | 952.5 (37.5)                                       |              |
|                      | Rear tread centers  | mm (in.)   | 977.9 (38.5)                                       |              |
|                      | Wheelbase           | mm (in.)   | 1733 ( 68.22 )                                     |              |
|                      | Ground Clearance    | front axle | mm (in.)   | 206 ( 8.1 )  |
|                      |                     | rear axle  |  | 148 ( 5.82 ) |
| Turning diameter     |                     | m (ft)     | 7 ( 22.96 )  |              |
| Max. rolling weight  |                     | kg (lbs.)  | 522 (1151)   |              |
| Cargo load capacity  |                     | kg (lbs.)  | 50 ( 110 )   |              |
| Weight               |                     | kg (lbs.)  | 312 ( 688 )  |              |

## Specifications

| Model                     |                       |                         | Specification                                 |  |
|---------------------------|-----------------------|-------------------------|---|--|
| Cargo bed                 | Width                 | mm (in.)                | 965.2 (38)                                    |  |
|                           | Length                | mm (in.)                | 540 (21.25)                                   |  |
|                           | Depth                 | mm (in.)                | 180 (7.08)                                    |  |
|                           | Volume                | m <sup>3</sup> (cu.ft.) | 0.09 (3.17)                                   |  |
|                           | Bed height (unloaded) | mm (in.)                | 728 (28.66)                                   |  |
|                           | Cargo bed capacity    | kg (lbs.)               | 50 (110)                                      |  |
| Sound level, operator ear |                       | db (A)                  | 85  |  |
| Tire                      | Front                 |                         | 22x7-10 6PR                                   |  |
|                           | Rear                  |                         | 22x10-10 6PR                                  |  |
| Body color                |                       |                         | Red, Black, White, Blue, Yellow, Orange, Camo |  |

### NOTE:

- The values in “Ground clearance” and “Weight” are those of the machine equipped with the tires in the table above.
- The company reserves the right to change the specifications without notice.

## TRAVELING SPEEDS

|                        |            |
|------------------------|------------|
| Range gear shift lever | km/h (mph) |
| Low                    | 13 (8)     |
| High                   | 40 (25)    |
| Reverse                | 16 (10)    |

## Specifications

# VEHICLE LIMITATIONS

The Vehicle has been thoroughly tested for proper performance with implements sold or approved by Hisun Motors. Use with implements which are not sold or approved and which exceed the maximum specifications listed below, or which are otherwise unfit for use, may result in vehicle malfunction or failures with a possibility of the vehicle damage, property damage and injury to the operator or others. Any malfunctions or failures of the vehicle resulting from use with improper implements are not covered by the warranty.

| Max. Cargo loading weigh   |   |
|--|---|
| Cargo Bed Capacity=50Kg(110.23 lb)<br>Cargo Load Capacity=540kg(1190 lb)<br>*(operator+one passenger+opt+acc )weight | Max. rolling weight<br>522 kg (1151 lbs.) |
|  |   |

1. Above mentioned specifications are based on level ground condition.

# Pre-Operation

## DAILY CHECK

To better prevent troubles, it is important to know condition of the vehicle well. Check it before starting.



### CAUTION:

To avoid personal injury:

**Be sure to check and service the vehicle on a level surface with the engine off, the parking brake "ON", and implements lowered to the ground if equipped.**

#### Check items

- Visually inspect the exterior of the vehicle
  - Check engine oil level
  - Check transmission oil level
  - Check brake fluid level
  - Check coolant level
  - Clean radiator screen  
(When used in dusty areas)
  - Check brake and pedal
  - Check parking brake
  - Check indicators, gauges and meters
  - Check lights
  - Check seat belts and roll-over protective structures.
  - Check front and rear joint boots.
  - Check tire inflation pressure.
  - Check backup beeper (if equipped).
  - Refuel
- (See "PRE-OPERATION CHECK" in "PERIODIC SERVICE" section.)
- Check danger, warning and caution labels
- (See "DANGER, WARNING AND CAUTION LABELS " in " SAFE OPERATION " section.)

The vehicle comes with the following key:



[1] Master key

# Operating the Engine



## CAUTION:

To avoid personal injury:

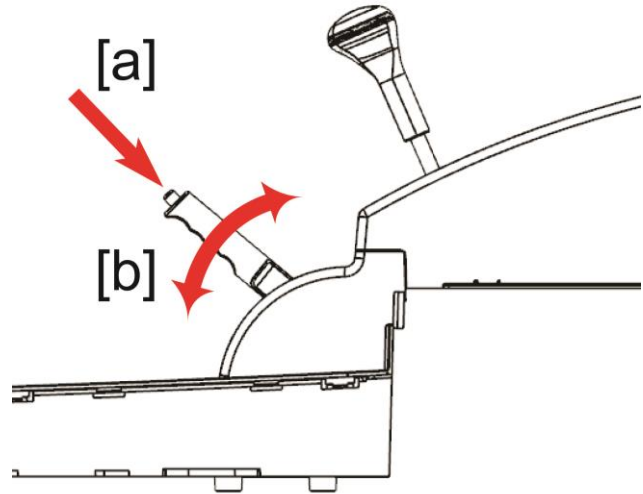
- Read "SAFE OPERATION" in front of this manual.
- Read the danger, warning and caution labels located on the vehicle.
- To avoid the danger of exhaust fume poisoning, do not operate the engine in closed buildings without proper ventilation.
- Start engine only from operator's seat. Never start engine while standing on ground.
- Make it a rule to set gear shift lever to "NEUTRAL" position before starting the engine.

## IMPORTANT:

- Do not use starting fluid or ether.
- To protect the battery and the starter, make sure that the starter is not continuously turned for more than 5 seconds.

## STARTING THE ENGINE

1. Make sure the parking brake is set.

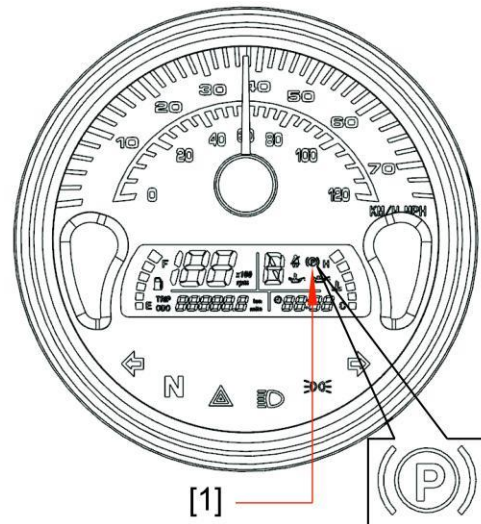


[1] Press in the button [a]

[2] Pull (b) to engage parking brake push (b) to release the parking brake.

## NOTE:

The parking brake warning lamp (P) comes on while parking brake is applied and goes off when it is released.

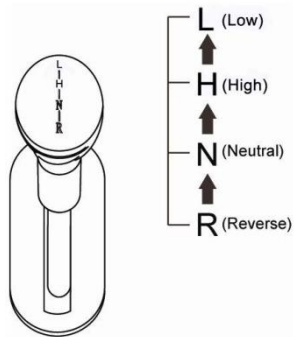


[1] Parking brake warning lamp

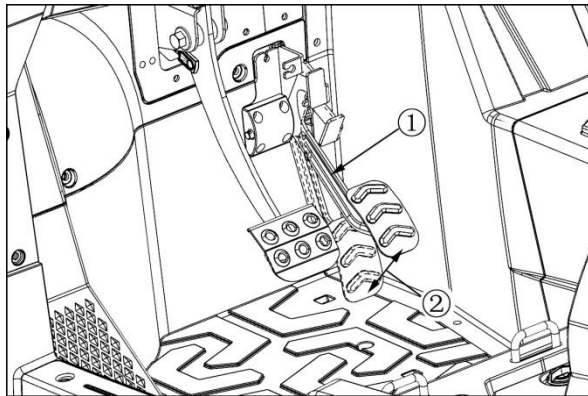


# Operating the Engine

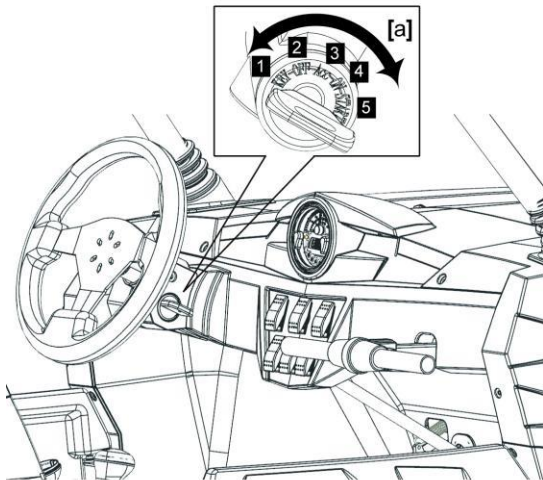
2. Set gear shift lever to the “NEUTRAL” position.



3. Push the accelerator pedal down slowly.



- ① Accelerator pedal
- ② Accelerator pedal depressed

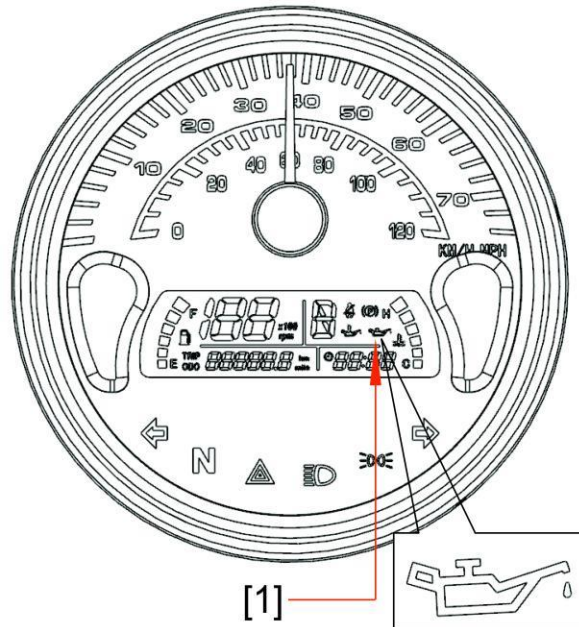


1. Insert the key into the key switch and turn it to :  
“START” (Starts the Engine)

- OFF (Stops the Engine)  
ON (Engine runs or headlights on)

## ◆ Engine and other Check Lamps:

1. When the key is turned to “START”, lamps (1 **engine oil pressure**) should come on. If trouble codes occur at any location with engine running, the warning lamp corresponding to that location comes on.



## IMPORTANT :

- Relying on the engine warning lights is never enough. Never fail to conduct daily checks carefully by referring to Pre Operation Check “ in “PERIODIC SERVICE” section.

5. Turn the key to the “START” position and release when the engine starts.

## IMPORTANT:

- Because of safety devices, the engine will not start except when the gear shift lever is placed in the “NEUTRAL” position and the brake is depressed.

# Operating the Engine

## ■ Cold Starting

When the ambient temperature is below -15°C ( 5°F), the engine is very cold. If the engine fails to start after 5 seconds, turn off the key for 30 seconds and start again.

## STOPPING THE ENGINE

1. After slowing the engine to idle, turn the key to "OFF".
2. Remove the key.

## WARMING UP



### CAUTION:

To avoid personal injury:

- Be sure to set the parking brake during warm-up.
- Be sure to set the shift lever to the "NEUTRAL" position during warm-up.

For 5 minutes after engine start-up, allow the engine to warm up without applying any load. This is to allow oil to reach every engine part. If load is applied to the engine without warming-up, engine damage may occur.

## ■ Warm-Up Transmission Oil in the Low Temperature Range

### IMPORTANT:

- Do not operate the vehicle under full load until it is sufficiently warmed up.

# Operating the Vehicle

## OPERATING NEW VEHICLE

How a new vehicle is handled and maintained determines the life of vehicle.

A new vehicle just off the factory production line has been, of course, tested, but the various parts are not aligned to each other, so the operator should pay more attention to operating the vehicle for the first 50 hours at a slower speed and avoid excessive work or operation until the various parts become "broken-in." The manner to which you handle the vehicle during the "breaking-in" period greatly affects the life of your vehicle. Therefore, to obtain the maximum performance and the longest life of the vehicle, it is very important to properly break-in your vehicle. For better handling of a new vehicle, the following precautions should be observed.

### ■ Do not operate the vehicle at full speed for the first 50 hours.

- Do not start quickly nor apply the brakes suddenly.
- In winter, only operate the vehicle after fully warming up the engine.
- Do not run the engine at speeds faster than prescribed.
- On rough roads, slow down to suitable speeds.

The above precautions are not limited to new vehicles. However, they should be especially observed for new vehicles.

### ■ Changing Lubricating Oil for New Vehicles

The lubricating oil is especially important for a new vehicle. Various parts need time to wear and polish themselves to the correct operating

clearances. Small pieces of metal grit may develop during the operation of the vehicle; and this may wear out or damage the parts. Therefore, change the lubricating oil a little earlier than would ordinarily be required. For further details of change interval hours, see "MAINTENANCE" section

## STARTING

### 1. Fasten the seat belts during operation.

#### ■ Seat Belt



### WARNING

To avoid personal injury:

- Seat belts reduce injury. Always wear your seat belts. The lap-style seat belts may not provide adequate protection for small children. Pay special attention when carrying a child passenger.



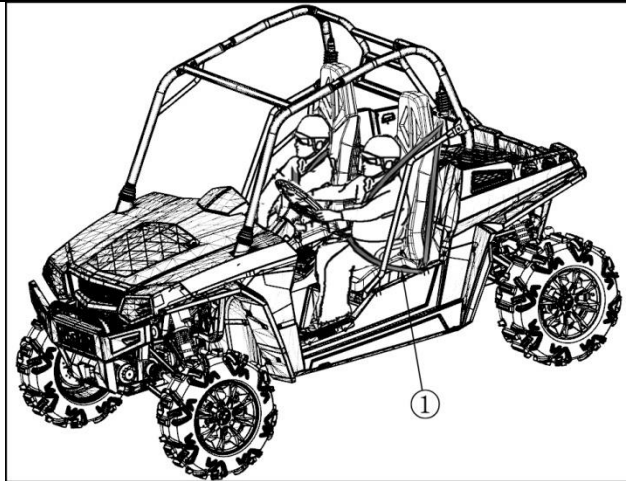
### CAUTION:

To avoid personal injury:

- Seat belts reduce injury. Always wear your seat belts. The lap-style seat belts may not provide adequate protection for small children. Pay special attention when carrying a child passenger.
- Always use the seat belts when operating and riding the vehicle.

Adjust the seat belts for proper fit and connect the buckle. This seat belt is an auto-locking retractable type.

# Operating the Vehicle



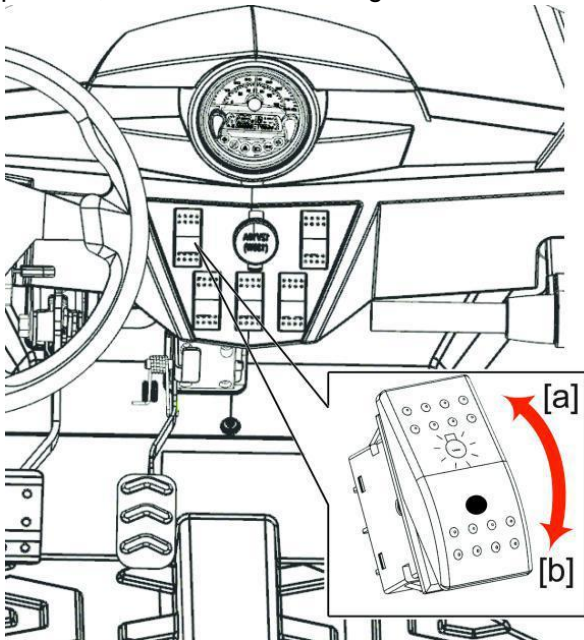
① Seat belt

## 2. Selecting light switch position.

### ■ Head Light Switch

Turn on the key switch and toggle the head light switch to the (a) or ON position.

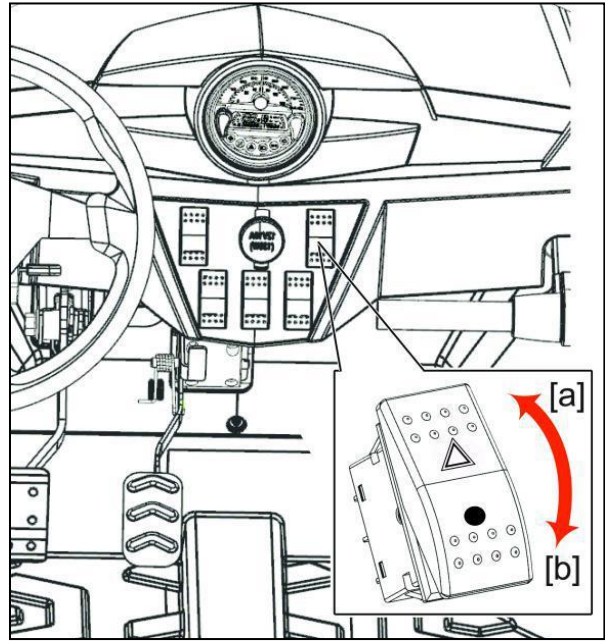
Toggle the head light switch to the (b) or OFF position, to turn off the head light.



### NOTE:

Turning the head light switch to the "[a]" position causes the following lamps to light simultaneously.

1. Tail lights (lamps at the rear portions of the vehicle)
2. Lamp built in the coolant temperature gauge.



3. Lamp built in the fuel gauge
4. Lamp built in the speedometer

### ■ Hazard Light Switch

[if equipped]

Press the top half of the hazard light switch, the hazard lights flash along with the indicator on the instrument panel. Press the bottom half of the hazard light switch to turn off the hazard lights.

### Note:

- The hazard light switch will operate when the key switch is in the "ON" or "OFF" position. Keeping the switch "ON" causes the battery voltage to run down.



# Operating the Vehicle

## ■ Turn Signal Light Switch

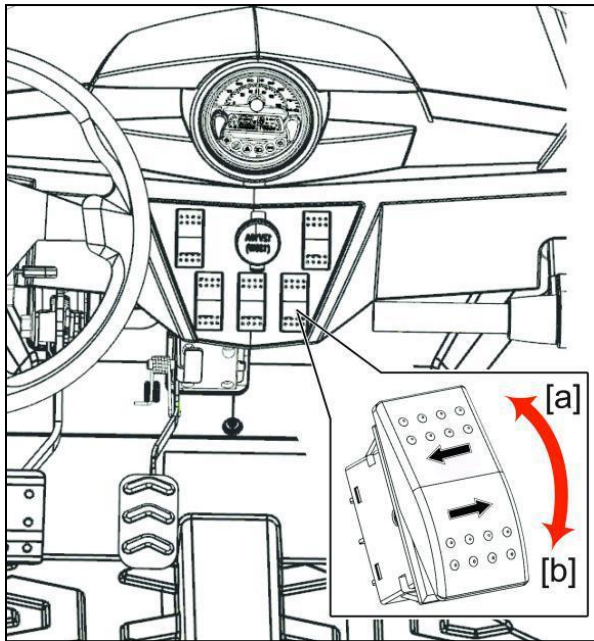
[if equipped]

To indicate a right turn, push on the lower half of the turn toggle switch.

To indicate a left turn, push on the upper half of the turn toggle switch.

When the left or right signal is activated, the indicated turning light will flash and the other will stay on.

The indicator lamp at the instrument panel also flashes indicating the direction of the turn.



### NOTE:

- The turn signal light switch is only operative when the key switch is in the “ON” position. If the hazard light switch is pressed to the “[a]” position while the turn signal is activated, the indicated turning light will flash and other will stay on.
- Be sure to return switch to center position after turning.

## 3. Checking the brake pedal.

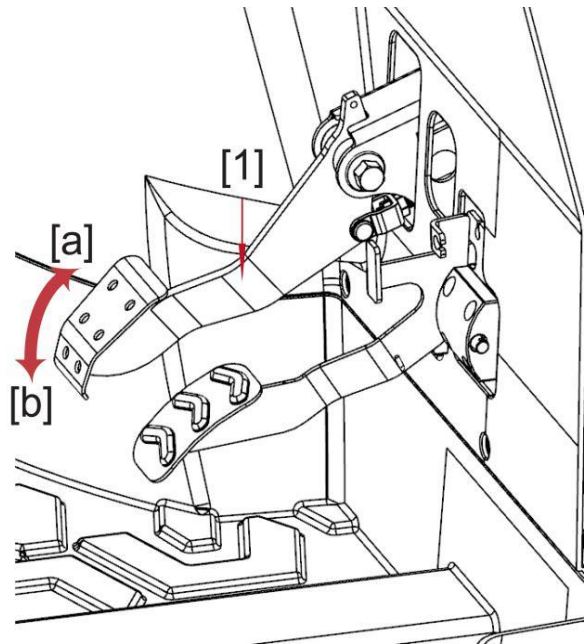
### ■ Brake Pedal



To avoid personal injury:

- If the operator suddenly brakes, an accident may occur due to loss of control or the shifting forward of heavy loads.
- When driving on icy, wet or loose surface, make sure the vehicle is correctly loaded to avoid skidding or loss of steering control. Reduce the speed.

The brake pedal is the left pedal on the foot board. Depress the pedal to slow or stop the vehicle.



[1] Brake pedal

# Operating the Vehicle

## 4. Selecting the Correct Gear.

### ■ Gear Shift Lever



To avoid personal injury:

- Avoid changing gears when ascending or descending a slope.
- Before ascending or descending a slope, shift to the “L” range to control the vehicle speed.
- Operate in reverse at slow speeds to maintain control.

1. The gear shift lever can only be shifted when the vehicle is completely stopped and the brake pedal is pressed.
2. To avoid transmission and shift linkage damage, completely stop the vehicle using the brake pedal before shifting gears.
3. Select proper gear depending on the type of job.
4. Before exiting the vehicle, shift the gear shift lever to the “NEUTRAL” position and set parking brake..

### NOTE:

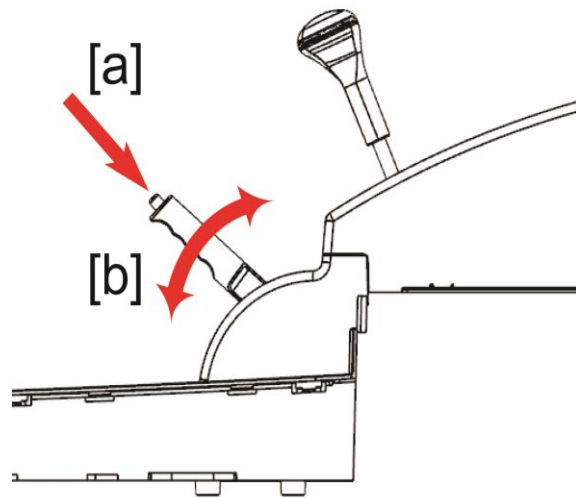
- When gear shift lever is hard to engage, do not force the lever. Set the parking brake, slightly depress the accelerator pedal and release it to neutral position, then shift the lever.  
When the lever is hard to disengage, do not force the lever.
- Depress the brake pedal fully, then shift the lever. Damage may occur with wrong shifting operation.

- AN accident could occur through improper use of the gear shift lever

### IMPORTANT:

## 5. Release the parking brake and start slowly.

To release the parking brake, depress the brake pedal, push release button and push down on the parking brake lever. Make sure that indicator in the Instrument panel goes off.



[1] Press in the button [a].

[2] Pull to set in the [b] direction. Push to release in the (b) direction.

### ■ Accelerator Pedal

The Accelerator pedal is used to increase the engine and vehicle speed. Push down on it for higher speed.

## STOPPING

### ■ STOPPING

1. Release the Accelerator pedal
2. Step on the brake pedal.



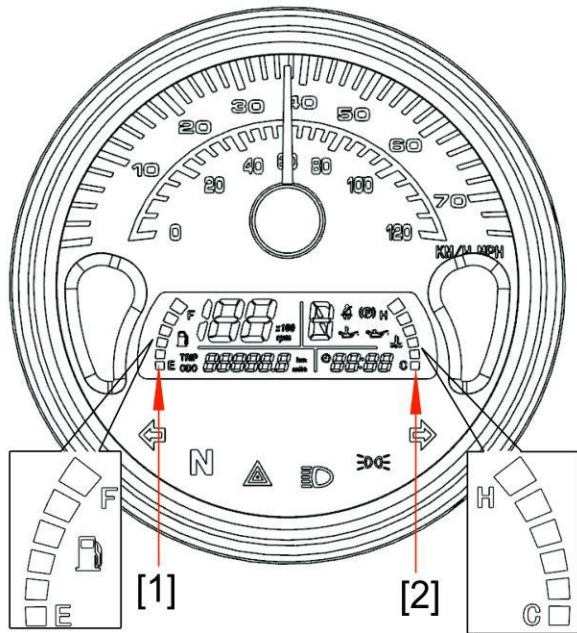
# Operating the Vehicle

## CHECK DURING DRIVING

### ■ Immediately Stop the Engine if:

- The engine suddenly slows down or accelerates.
- Unusual noises are suddenly heard.
- Exhaust fumes suddenly become very white.

While driving, check the following items to see if all parts are functioning normally.



[1] Fuel gauge

[2] Coolant temperature gauge

### ■ Fuel Gauge

Park the vehicle on a flat place.

Turn the key switch to "On", the fuel gauge will indicate the fuel level.

Be careful not to fully empty the fuel tank. Otherwise air may enter the fuel system.

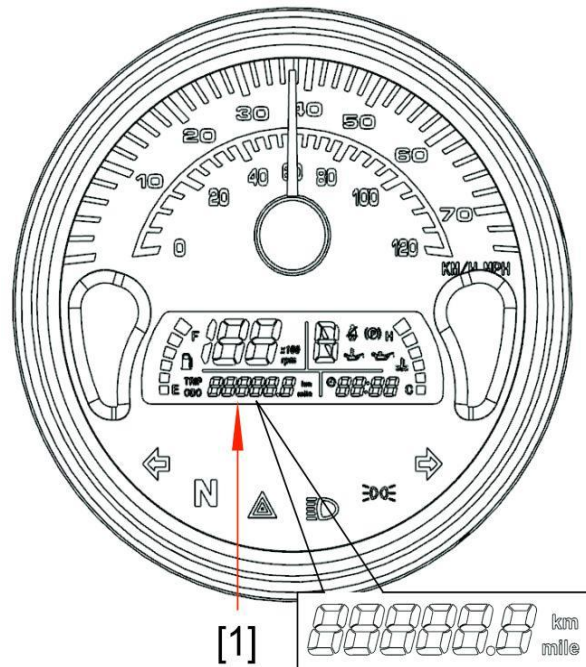
### ■ Coolant Temperature Gauge



### CAUTION:

To avoid personal injury:

- Do not remove radiator cap until the coolant temperature is well below its boiling point. Then loosen cap slightly to relieve pressure before removing cap completely.
1. With the key switch "ON" the temperature gauge indicates the temperature of the coolant. White Zone for "cold" and Red zone for "hot".
  2. If the indicator reaches the Red zone, the engine coolant is overheated. Check the vehicle by referring to the "TROUBLESHOOTING" section.

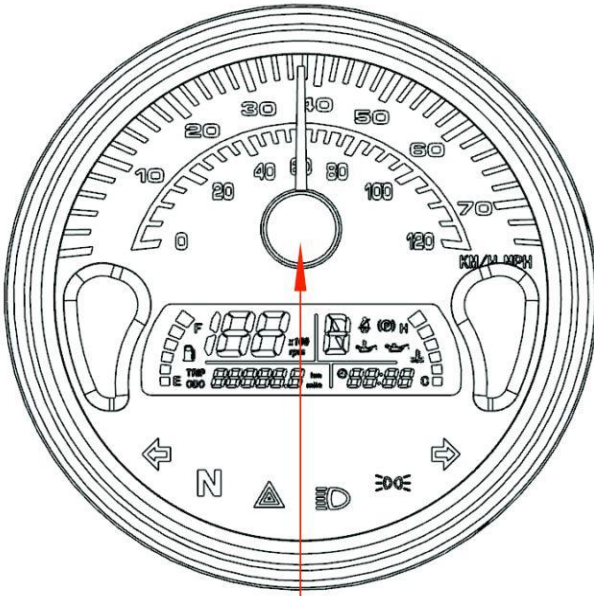


[1] Hour meter

The hour meter indicates in five digits the hours the vehicle has been used; the last digit indicates 1/10 of an hour.

The speedometer indicates the traveling speed.

# Operating the Vehicle



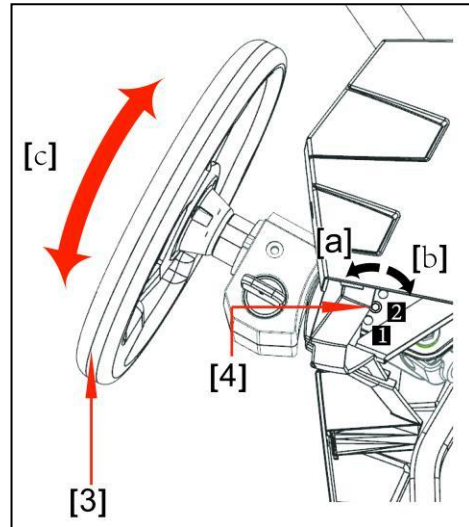
[1]

[1] Speedometer

## Adjustable steering wheel

### For driving comfort:

Use a screw driver to adjust the steering wheel to "[1]","[2]" two positions, after fastening bolts adjustment.



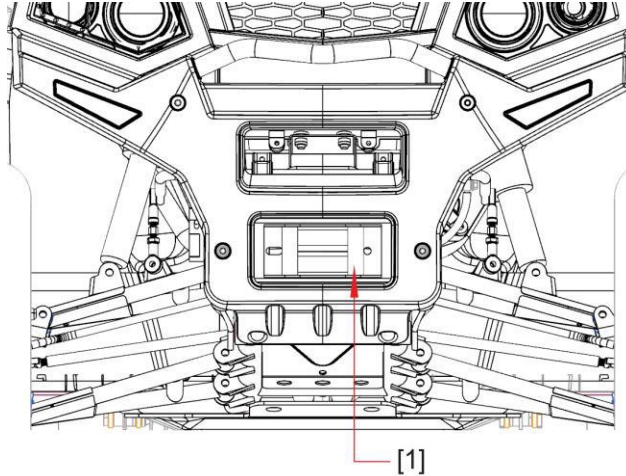
[3] Steering wheel [4] Bolt

"[a]" direction adjustment screw, "[c]" direction up and down to adjust the position of the steering wheel caused by "[1]","[2]" then "[b]" directin of the fastening bolts.

## Maintenance and Adjustment

# WINCH MOUNT PLATE

Always read and follow the instructions in the winch owner's manual before attempting to install or use a winch.



[1] Winch mount plate

### ■ Transporting Vehicle

Pay attention to the following points when transporting the vehicle.

1. Use a suitable truck or trailer.
2. Apply the parking brake and place chocks against the front and rear tires.
3. Tie the vehicle to the sides of the trailer or truck using suitable tie-downs.

## MAINTENANCE



**CAUTION:** To avoid personal injury and vehicle damage:

- Be sure you have sufficient knowledge, experience, the proper replacement parts and tools before you attempt any vehicle maintenance task.
- If you don't have the knowledge and equipment which are necessary to perform the maintenance task, consult your local dealer.
- Have your local dealer perform inspection items which are marked \*4 in the chart below.

# Maintenance and Adjustment

## SERVICE INTERVALS

- **IMPORTANT** The jobs indicated by ☉ must be done after the first 50 hours of operation.

\*1 Air cleaner should be cleaned more often in dusty conditions than in normal conditions.

\*2 Every year or every 6 times of cleaning.

\*3 Replace only if necessary.

\*4 Consult your local dealer for this service.

\*5 When the battery is used for less than 100 hours per year, check the battery condition by reading the indicator annually.

- The items listed below with a \* are emission related critical parts by the U.S.EPA . As the engine owner, you are responsible for the performance of the required maintenance on the engine according to the below instruction. Please see Warranty Statement for more information.

| No. | Items                  |         | Indication of |     |     |     |     |     |     |     |     |     |     |     |     | After<br>700 hrs |                  |
|-----|------------------------|---------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------|------------------|
|     |                        |         | 50            | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 |                  | 700              |
| 1   | Engine oil             | Change  | ☉             |     |     | ○   |     |     |     | ○   |     |     |     | ○   |     |                  | Every<br>200 hrs |
| 2   | Engine oil filter      | Replace | ☉             |     |     | ○   |     |     |     | ○   |     |     |     | ○   |     |                  | Every<br>200 hrs |
| 3   | Transmission<br>fluid  | Change  |               |     |     |     |     |     |     | ○   |     |     |     |     |     |                  | Every<br>400 hrs |
| 4   | Engine start<br>system | Check   | ○             | ○   | ○   | ○   | ○   | ○   | ○   | ○   | ○   | ○   | ○   | ○   | ○   | ○                | Every<br>50 hrs  |
| 5   | Greasing               | Apply   | ○             | ○   | ○   | ○   | ○   | ○   | ○   | ○   | ○   | ○   | ○   | ○   | ○   | ○                | Every<br>50 hrs  |
| 6   | *Muffler               | Clean   | ☉             | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○                | Every<br>100 hrs |
| 7   | Spark arrester         | Clean   |               | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○                | Every<br>100 hrs |
| 8   | Wheel bolt<br>torque   | Check   | ☉             | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○                | Every<br>100 hrs |
| 9   | Battery condition      | Check   |               | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○                | Every<br>100 hrs |
| 10  | Toe-in                 | Adjust  |               | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○                | Every<br>100 hrs |

## Maintenance and Adjustment

| No. | Items                   |         | Indication of |     |     |     |     |     |     |     |     |     |     |     |     | After<br>700 hrs |               |
|-----|-------------------------|---------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------|---------------|
|     |                         |         | 50            | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 |                  | 700           |
| 11  | Fuel filter element     | Check   |               | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○                | Every 100 hrs |
|     |                         | Replace |               |     |     |     |     |     |     |     | ○   |     |     |     |     |                  | Every 100 hrs |
| 12  | *Fuel line              | Check   |               | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○                | Every 500 hrs |
|     |                         | Replace |               |     |     |     |     |     |     |     |     |     |     |     |     |                  | Every 100 hrs |
| 13  | *Air cleaner element    | Clean   |               | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○   |     | ○                | Every 1 years |
|     |                         | Replace |               |     |     |     |     |     |     |     |     |     |     |     |     |                  | Every 100 hrs |
| 14  | Brake pedal             | Check   | ◎             |     |     | ○   |     |     |     | ○   |     |     |     | ○   |     |                  | Every 1 years |
| 15  | Parking brake lever     | Adjust  | ◎             |     |     | ○   |     |     |     | ○   |     |     |     | ○   |     |                  | Every 200 hrs |
| 16  | Brake light switch      | Check   | ◎             |     |     | ○   |     |     |     | ○   |     |     |     | ○   |     |                  | Every 200 hrs |
| 17  | Radiator hose and clamp | Check   |               |     |     | ○   |     |     |     | ○   |     |     |     | ○   |     |                  | Every 200 hrs |
|     |                         | Replace |               |     |     |     |     |     |     |     |     |     |     |     |     |                  | Every 2 years |
| 18  | *Intake air line        | Check   |               |     |     | ○   |     |     |     | ○   |     |     |     | ○   |     |                  | Every 200 hrs |
|     |                         | Replace |               |     |     |     |     |     |     |     |     |     |     |     |     |                  | Every 1 years |
| 19  | Brake hose & lines      | Check   | ◎             |     |     | ○   |     |     |     | ○   |     |     |     | ○   |     |                  | Every 200 hrs |
|     |                         | Check   |               |     |     |     |     |     |     |     |     |     |     |     |     |                  | Every 4years  |
| 20  | Tire wear               | Check   | ◎             |     |     |     |     | ○   |     |     |     |     |     | ○   |     |                  | Every 300 hrs |
| 21  | Front axle case oil     | Change  |               |     |     |     |     |     |     | ○   |     |     |     |     |     |                  | Every 400 hrs |
| 22  | Knuckle case oil        | Change  |               |     |     |     |     |     |     | ○   |     |     |     |     |     |                  | Every 400 hrs |

## Maintenance and Adjustment

|    |                          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|----|--------------------------|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------------|
| 23 | Engine valve clearance   | Adjust  |  |  |  |  |  |  |  |  |  |  |  |  |  | Every 800 hrs       |
| 24 | *Fuel injection          | Check   |  |  |  |  |  |  |  |  |  |  |  |  |  | Every 1500 hrs      |
| 25 | *Injection               | Check   |  |  |  |  |  |  |  |  |  |  |  |  |  | Every 3900 hrs      |
| 26 | Brake fluid              | Change  |  |  |  |  |  |  |  |  |  |  |  |  |  | Every 2 years       |
| 27 | Remote hydraulic hose    | Replace |  |  |  |  |  |  |  |  |  |  |  |  |  | Every 2 years       |
| 28 | Rear brake cylinder seal | Replace |  |  |  |  |  |  |  |  |  |  |  |  |  | Every 2 years       |
| 29 | Front brake seal         | Replace |  |  |  |  |  |  |  |  |  |  |  |  |  | Every 2 years       |
| 30 | Cooling system           | Flush   |  |  |  |  |  |  |  |  |  |  |  |  |  | Every 2 years       |
| 31 | Coolant                  | Change  |  |  |  |  |  |  |  |  |  |  |  |  |  | Every 2 years       |
| 32 | Fuel system              | Bleed   |  |  |  |  |  |  |  |  |  |  |  |  |  | Service as required |
| 33 | Fuse                     | Replace |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
| 34 | Light bulb               | Replace |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |

### NOTE:

#### ◆Engine Oil: ( 15W/40SL )

Oil used in the engine should have an American Petroleum Institute (API) service classification and Proper SAE Engine Oil according to the ambient temperatures as shown above.

#### ◆Brake fluid:

Always use DOT3 GENUINE BRAKE FLUID from a sealed container.



# Periodic Service

## CAUTION:

To avoid personal injury:

### HOW TO OPEN THE HOOD AND TILT THE SEAT

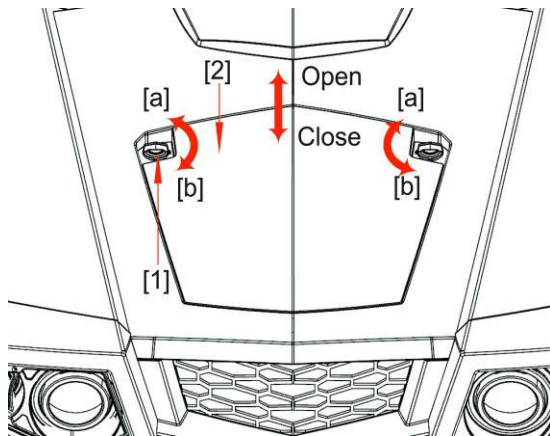
## CAUTION

To avoid personal injury from contact with moving parts:

- Never open operator's seat while the engine is running.
- Depress the hood with your other hand while unlocking the hood.

#### ■ Hood

To open the hood, turn the switch to release the latch and lift the hood off.



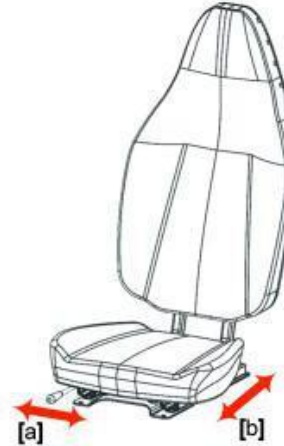
[1] Latch

[2] Hood

[3] "Open" from "[a]" direction of rotation  
"Close" from "[b]" direction of rotation

#### ■ Operator's Seat

To open the seat, raise the seat to the forward position.



USE HANDLE (A) TO UNLOCK, THEN SLIDE SEAT TO THE DESIRED POSITION (B) AND RELEASE HANDLE (A).

### JACK POSITIONING

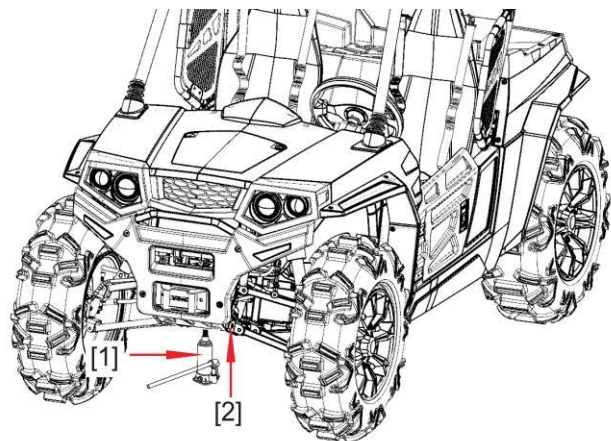
## WARNING

To avoid personal injury, death or vehicle damage:

- Do not work under the vehicle unless it is secured by safe stands or suitable blocking.

#### ■ Front End

Jack stand at the front bumper only.



[1] Jack

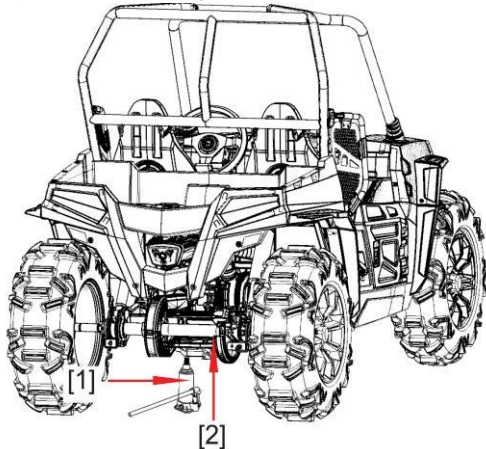
[2] Front bumper

# Periodic Service

## ■Rear End

Jack the rear only after placing a wooden block under the right and left frame tubes for securing the engine and then supporting it.

Do not apply jack pressure on the steel plate directly under the engine.



[1] Jack

## PRE-OPERATION CHECK

For your own safety and maximum service life of the vehicle, make a thorough daily inspection before starting the engine or operating the vehicle.

## ! CAUTION

To avoid personal injury:

- Be sure to check and service the vehicle on a flat surface with the engine off and the parking brake "ON".

## ■Walk Around Inspection

Look around and under the vehicle for such items as loose bolts, trash build-up, oil or coolant leaks, broken or worn parts.

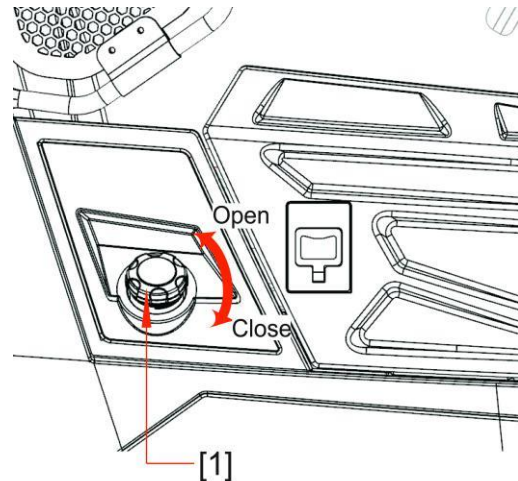
## ■Checking and Refueling

## ! CAUTION

To avoid personal injury:

- Do not smoke while refueling.
- Be sure to stop the engine before refueling.

1. Turn the key switch to "ON", check the amount of fuel by the fuel gauge.
2. Fill fuel tank when fuel gauge shows 1/4 or less fuel in the tank.



[1] Fuel cap

|                    |     |
|--------------------|-----|
| Fuel tank capacity | 13L |
|--------------------|-----|

## IMPORTANT

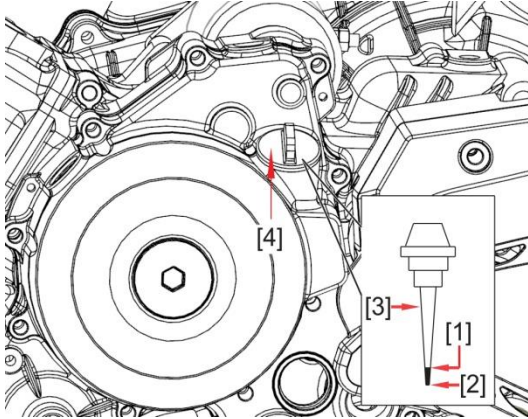
If oil level is low, do not run the engine.

Checking engine oil level

1. Park the vehicle on a flat surface, raise the cargo bed if applicable, apply the parking brake, and shut off engine.

## Periodic Service

2. To check the oil level, draw out the dipstick, wipe it clean, replace it, and draw it out again, check to see if the level is too low, add new oil to the prescribed level on the dipstick.



[1]~[2] Oil level is acceptable within this range

[1] Oil Level

[3] Oil dipstick

[4] Oil cap

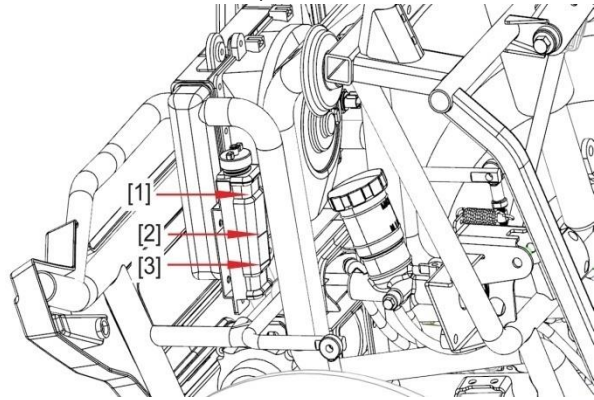
### ■Checking Coolant Level



**TO avoid personal injury**

- **Do not remove radiator cap while coolant is hot. When cool, slowly rotate to the first stop and allow sufficient time for excess pressure to escape before removing the cap completely.**
  - ◆ Park the vehicle on a flat surface, access the panel under the hood, set the parking brake, and shut off the engine.
  - ◆ Check to see that the coolant level is between the “FULL” and “LOW” marks of recovery tank.

- ◆ When the coolant level drops due to evaporation, add coolant only up to the full level. In case of leakage add anti-freeze and water in the specified mixing ratio up to the full level.(see flush cooling system and changing coolant in EVERY 2 YEARS in PERIODIC SERVICE section)



[1] Recovery tank

[2] FULL

[3] LOW

### IMPORTANT

- If the radiator cap has to be removed, follow the cautions above and securely retighten the cap.
- Use clean fresh water and anti-freeze to fill the recovery tank.
- If water should leak, consult your local HISUN Dealer.

## Periodic Service

### ■Cleaning radiator screen



**TO avoid personal injury:**

- **Be sure to stop the engine before removing the screen**

1. Park the vehicle on a flat surface,
2. Remove the radiator cover,
3. Detach the screen and remove all foreign materials,

### IMPORTANT

Radiator screen must be cleaned from debris to prevent engine from overheating.

### ■Checking brake fluid level



**TO avoid personal injury:**

- **Never operate the vehicle if the brake fluid is below the minimum mark.**
- **Use only DOT3 from a sealed container. Other types of brake fluid may ruin synthetic resin or rubber installed in brake system components and may cause brake failure.**
- **Avoid contamination of the brake fluid thoroughly clean before removing the filler cap. Do not open the brake fluid reservoir cap unless absolutely necessary.**

**Use extreme care when filling the reservoir. If brake fluid spills on the power steering hose, wash it off with water immediately, as brake fluid quickly ruins synthetic resin or rubber hoses.**

1. Park the vehicle on a level ground and open the hood.
2. Check to see that the brake fluid level is up to the LOWER mark.
3. If it is below the "LOWER" mark add brake fluid .

### ■Checking brake pedal

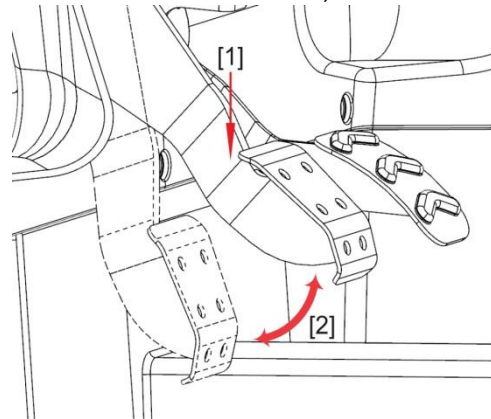


**TO avoid personal injury:**

- **Stop the engine and chock the wheels before checking brake pedal.**

1. Inspect the brake pedal for free play and smooth operation.

Adjust if incorrect free play is found. (see checking brake pedal in" EVERY 200 HOURS in PERIODIC SERVICE section)



[1] Brake pedal

[2] PEDAL STROKE

### ■Checking parking brake

Pull the parking brake lever to apply the brakes with the key switch in the "ON" position and the parking brake indicator should come on.

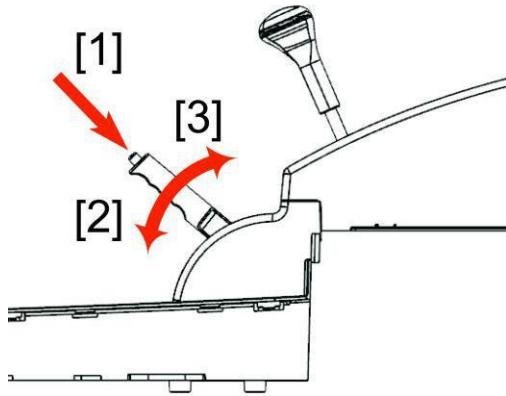
To release the brake, push in the button on the tip of the parking brake lever and tilt the lever down.



# Periodic Service

## NOTE

Make sure the parking brake warning lamp on the display goes off when parking brake lever is down.



- [1] Release button
- [2] RELEASE
- [3] PULL

## ■ Checking gauges meter and warning lamps

1. Inspect the instrument panel for broken gauges meter and warning lamps.
2. Replace if broken.

## ■Checking head light turn signal light etc

1. Inspect lights for broken bulbs and lenses
2. Replace if broken

## ■Checking seat belt and ROPS

1. Always check condition of seat belt and ROPS attaching hardware before operating vehicle.
2. Replace if damaged.

## ■Checking tire inflation pressure

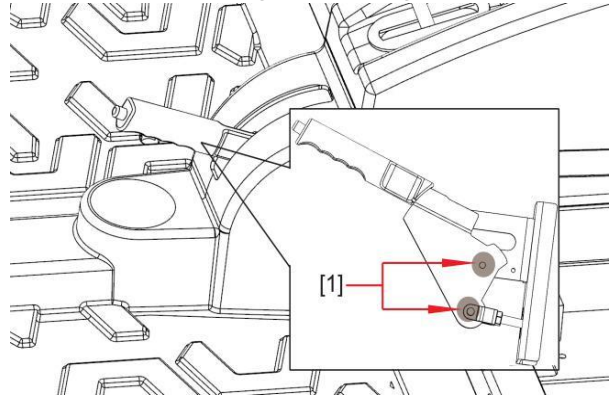
Though the tire pressure is factory-set to the prescribed level, it naturally drops slowly in the course of time, thus check it every day and inflate as necessary.

| tire sizes      | inflation pressure                      |
|-----------------|---|
| Front : 22x7x10 | 70kPa (0.7kgf/cm <sup>2</sup> , 10psi)  |
| Rear:22x10x10   | 75kPa (0.75kgf/cm <sup>2</sup> , 10psi) |

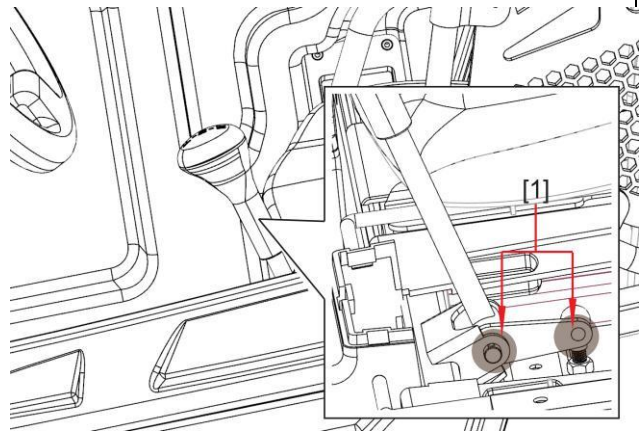
## EVERY 50 HOURS

### ■Greasing

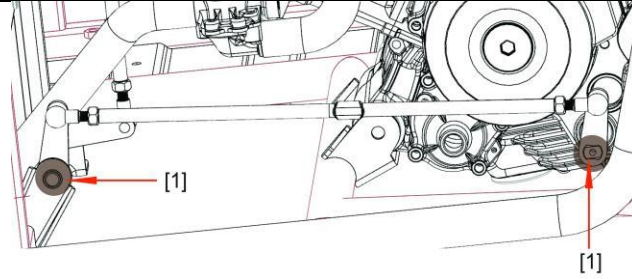
Apply a small amount of multi-purpose grease to the following points every 50 hours. If you operated the vehicle in extremely wet and muddy conditions lubricate grease fittings more often.



- [1] Parking brake pivot (spray type grease )



# Periodic Service



[1] Gear shift lever pivot (spray type grease )

## ■Checking engine start system



### TO avoid personal injury

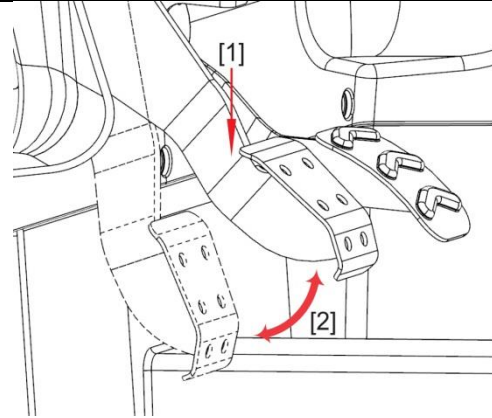
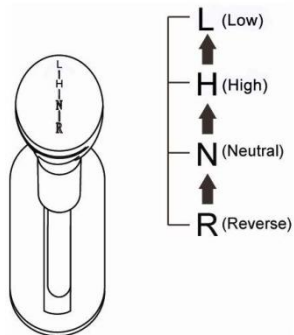
- Do not allow anyone near the vehicle while testing.
- If the vehicle does not pass the test, do not operate the vehicle.

### ◆Preparation before testing

1. Place all control levers in the “NEUTRAL” position.
2. Set the parking brake and stop the engine.

### ◆Test Gear shift range lever safety switch

1. Sit on the operator's seat.
2. Shift the gear shift range lever to: “L”, “H”, or REVERSE position.
3. Turn the key to “START” position.
4. The engine must not crank.
5. If it cranks consult your local dealer for this service.



[1] Brake pedal

[2] Accelerator pedal

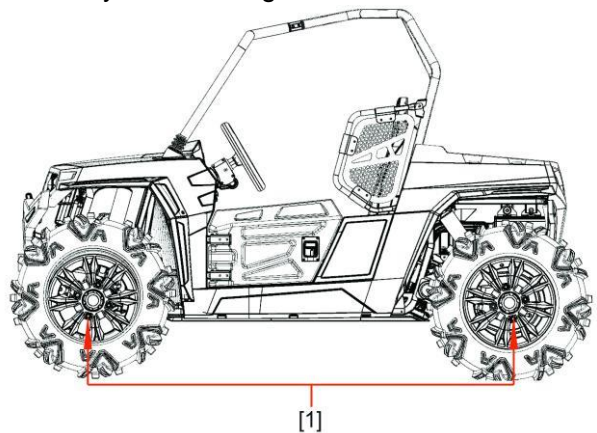
## ■Checking wheel bolt torque



### To avoid personal injury

- Never operate vehicle with a loose wheel bolts.
- Any time these bolts are loosened they should be retightened to the specified torque.
- Check all bolts frequently and keep them tight.

Check wheel bolts regularly especially when new if they are loose tighten them as follows:



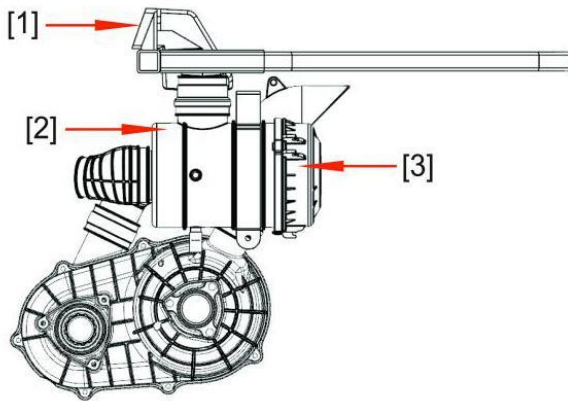
① Torque wheel bolts to 75 to 90 N.m



## Periodic Service

### ■Cleaning air cleaner primary element

1. Remove the air cleaner cover and primary element.
2. Clean the primary elements.
  - 1) When dry dust adheres to the element blow compressed air from the inside turning the element. Pressure of compressed air must be under 205kpa.
  - 2) When carbon or oil adheres to the element soak the element in detergent for 15 minutes then wash it several times in water rinse with clean water and dry it naturally after element is fully dried inspect inside of the element with a light and check if it is damaged or not.
  - 3) Replace the primary element  
Once yearly or after every sixth cleaning, whichever comes first.



[1] First air cleaner

[2] Primary element [3] Cover

### IMPORTANT

- The air cleaner uses a dry element never apply oil.
- Do not run the engine with filter element removed.

- Be sure to refit the cover with the arrow (on the rear of cover) upright. If the cover is improperly fitted the evacuator valve will not function and dust will adhere to the element.

### ◆Evacuator Valve

Open the air cleaner cover once a week under ordinary conditions –or daily when used in a dusty place-to get rid of large particles of dust and dirt.

Check fuel line and fuel filter.



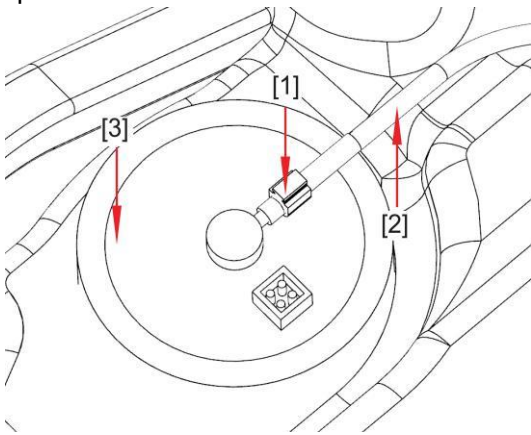
### To avoid personal injury:

- Be sure to stop the engine and remove the key when attempting to make the following checks and changes.
  - Never fail to check the fuel lines periodically the fuel lines are subject to wear and aging fuel may leak out onto the running engine causing a fire.
  - The fuel line connections should be checked annually or every 100service hours whichever comes first.
1. Park the vehicle on a flat surface and raise the cargo bed.
  2. The fuel line is made of rubber and ages regardless of service period.
  3. If the fuel line and clamps are found to be damaged or deteriorated replace them.
  4. Check fuel filter if it is clogged by debris or contaminated with water replace it.

## Periodic Service

### IMPORTANT

When the fuel line is disconnected for maintenance or repair, close both ends of the fuel line with a piece of clean cloth or paper to prevent dust and dirt from entering. Particular, care must be taken not to admit dust and dirt into the fuel pump entrance. Even a small amount of dust or dirt will cause premature wear and malfunction of the fuel pump and injector components.



[1] Pipe clamp [2] fuel line  
[3] fuel pump

### ■ Checking battery condition

### DANGER

If you store a battery in a diminished state of charge you will probably have to replace the battery.

### CAUTION

To avoid personal injury

- Never remove the battery while the engine is running.
- Keep electrolyte away from eyes, hands and clothes. If you are spattered with it, wash it away completely with water immediately and get medical attention.
- Wear eye protection and rubber gloves when working around the battery.

The factory –installed battery is a non-refillable type if the battery is weak, charge the battery or replace it with new one.

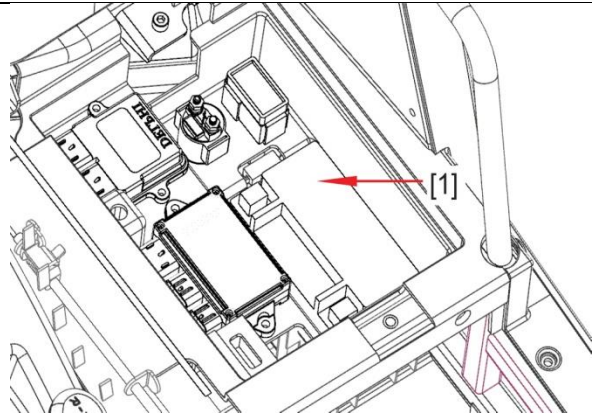
### ◆ Battery charging

### CAUTION

To avoid personal injury

- When the battery is being activated, hydrogen and oxygen gases in the battery are extremely explosive. Keep open sparks and flames away from the battery at all times, especially when charging the battery.
- When disconnecting the cable from the battery start with the negative terminal first; when connecting the cable to the battery start with the positive terminal first.
- Always check battery charge by using a voltmeter.

# Periodic Service



[1] Battery

1. To slow charge the battery connect the battery positive terminal to the charger positive terminal and the negative to the negative, then recharge in the standard fashion.
2. A boost charge is only for emergencies it will partially charge the battery as early as possible.
3. When exchanging an old battery for a new one use battery of equal specification shown in table 1.

| Battery type | Volts |
|--------------|-------|
| GTX9BS       | 12    |

## ◆Direction for storage

1. When storing the vehicle for a long period, remove the battery from the vehicle, store in a dry place out of direct sunlight.
2. The battery will self-discharge while it is stored; recharge it once every three months in hot seasons and once every six months in cold seasons.

## ■Adjusting toe-in

Proper toe-in

0 to 12 mm (0 to 0.47 in)

1. Park vehicle on flat place.
2. Turn steering wheel so front wheels are in the straight ahead position.
3. Lock the park brake and stop the engine.
4. Measure distance between tire beads at rear of tire at hub height.
5. Front distance should be shorter than rear distance if not adjust tie rod length.

## ◆Adjusting procedures

1. Loosen the lock nut and turn the tie rod to adjust the rod length until the proper toe-in measurement is obtained.
2. Retighten the lock nut.

## IMPORTANT

- Keep the equal length of the left and right tie-rod.

## ■Cleaning Muffler



## CAUTION

To avoid personal injury:

- Before touching any part of an exhaust system, be absolutely sure that it has sufficient time to cool!
- Always wear safety goggles and facemask.
- The particulate matter contained in the muffler contains chemicals that are harmful to people, animals and marine life.
- If you are unable to do this work, have it done by your dealer.

# Periodic Service

## ● Cleaning spark arrester of muffler.

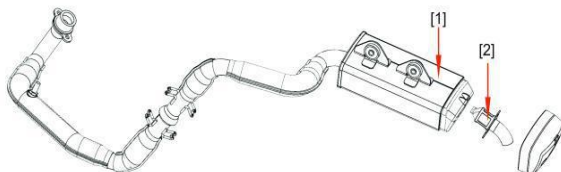
Maintenance & cleanout procedure:

The screen type spark arrester should be removed, cleaned, and inspected after every 100 hours of use.

1. The spark arrester is located inside of the exhaust pipe, and fastened with six bolts.
2. Loosen the bolts and remove the spark arrester.
3. Shake loosened particles out of the screen assembly and lightly clean the screen with wire brush. Soak in solvent and again clean with wire brush if necessary.
4. If any breaks in the screen or welds are discovered, the assembly must be replaced.
5. Return the spark arrester to the muffler body and refasten the bolts.

### IMPORTANT:

- Visually check the muffler for cracks or holes in the body, welds or pipes at regular intervals.
- USDA approval requires clearance between spark arrester sleeve and exhaust pipe to be no larger than 0.023" (0.584 mm).
- Replace the entire muffler if it is damaged.
- Do not operate the vehicle with a damaged muffler.



[1] Muffler [2] Spark arrester

## EVERY 200 HOURS

### ■ Changing Engine Oil



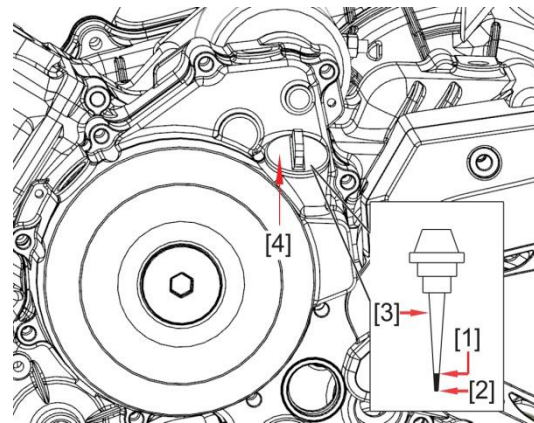
To avoid personal injury:

- Be sure to stop the engine before replacing oil.
- Allow engine to cool down sufficiently, oil can be hot and can burn.

1. Park the vehicle on flat surface and raise the cargo bed.
2. To drain the used oil, remove the drain plug at the bottom of the engine and completely drain the oil into an oil pan.
3. After draining, reinstall the drain plug.
4. Fill with the new oil up to the upper notch on the dipstick.

(See "LUBRICANTS, FUEL AND COOLANT" in "MAINTENANCE" section.)

|              |                        |                      |
|--------------|------------------------|----------------------|
| Oil capacity | [Filter exchanged]     | 1.2L (1.26U.S. qts.) |
|              | [Filter non-exchanged] | 1.0L (1.05U.S. qts.) |



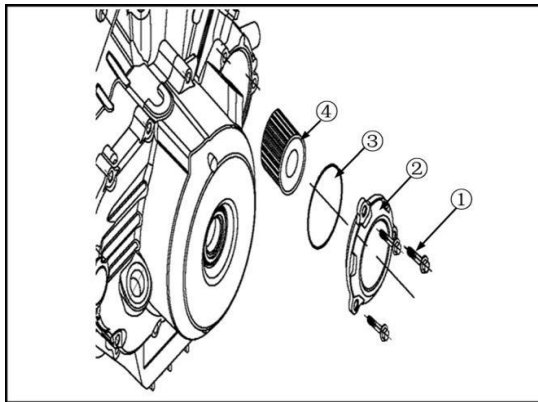
## Periodic Service

### ■ Replacing Engine Oil Filter



To avoid personal injury:

- Be sure to stop the engine before changing the oil filter cartridge.
  - Allow engine to cool down sufficiently, oil can be hot and can burn.
1. Park the vehicle on a flat surface and raise the cargo bed.
  2. Remove the oil filter.
  3. Put a film of clean engine oil on the rubber seal of the new filter.
  4. After the new filter has been replaced, the engine oil normally decreases a little. Make sure that the engine oil does not leak through the seal and check the oil level on the dipstick. Then replenish the engine oil up to the prescribed level.



① Bolt; ② Cover

③ O" seal ring; ④ Engine oil filter

### IMPORANT:

- To prevent serious damage to the engine, use only a genuine filter.

# Periodic Service

## ■Checking Brake Pedal

### !CAUTION

- Stop the engine and chock the wheels before checking brake pedal.
- If movement is outside of the specifications contact your local dealer for adjusting the brake.

### ◆Checking the brake pedal free travel

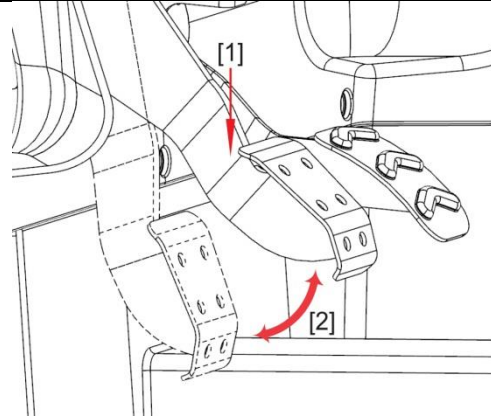
|                                   |  |
|-----------------------------------|--|
| Proper brake pedal<br>free travel | 7 to 14mm<br>(0.3 to in.)On the<br>pedal |
|-----------------------------------|--|

1. Release the parking brake.
2. Slightly depress the brake pedal and measure free travel at the top of the pedal stroke.
3. If brake pedal free travel is outside of the specifications, contact your local dealer for adjusting the brake.

### ◆ Checking the brake pedal stroke

|              |   |
|--------------|---|
| Pedal stroke | Less than 120mm(4.7in.)<br>On the pedal |
|--------------|---|

1. Release the parking brake.
2. Step on the pedal and measure the pedal stroke.
3. If brake pedal stroke is outside of the specifications, contact your local dealer for adjusting the brake.



[1] Brake pedal

[2] "PEDAL STROKE"

## ■Checking Brake Hose and Lines

1. Check to see that brake hose and lines are not swollen, hardened or cracked.
2. Check the brake hose and pipe joints for oil leaks.
3. If there is any abnormality, consult your local dealer for this service.

## ■Checking Brake Light Switch

1. Park the vehicle on a flat surface and raise the cargo bed.
2. Turn the key switch to the "ON" position.
3. Step on the brake pedal to check if the brake light comes on.
4. If it does not, check the bulb or brake light switch.

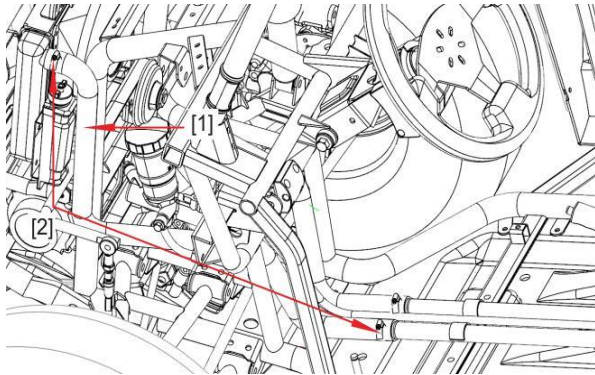
## ■Checking Radiator Hose and Clamp

Park the vehicle on a flat surface and raise the cargo bed. Check to see if radiator hoses are properly fixed every 200 hours of operation or six months, whichever comes first.



# Periodic Service

1. If hose clamps are loose or water leaks, tighten bands securely.
2. Replace hoses and tighten hose clamps securely, if radiator hoses are swollen, hardened or cracked. Replace hoses and hose clamps every 2 years or earlier if checked and found that hoses are swollen, hardened or cracked.



[1] Radiator hose [2] Clamp bands

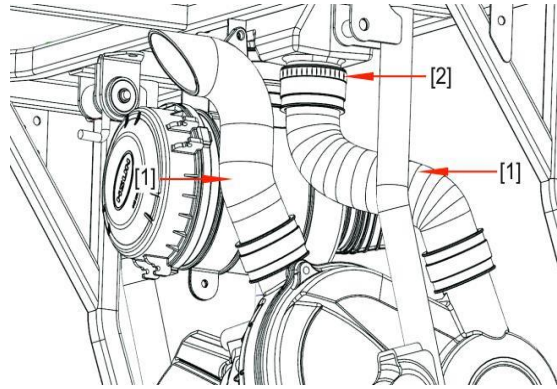
## ◆Precaution at Overheating

Take the following actions in the event the coolant temperature is close to or more than the boiling point, which is called “Overheating”.

1. Stop the vehicle operation in a safe place and keep the engine unloaded idling.
2. Don't stop the engine suddenly, but stop it after about 5 minutes of unloaded idling.
3. Keep yourself well away from the vehicle for at least 10 minutes or while the steam is blowing out.
4. Check to see if there is no danger such as burning, get rid of the causes of overheating according to the “TROUBLESHOOTING” section of the manual, and then start the engine again.

## ■Checking Intake Air Line

1. Check to see if the hoses and hose clamps are tight and not damaged.
2. If hoses and clamps are found to be worn or damaged, replace or repair them at once.



[1] Hose [2] Hose clamp

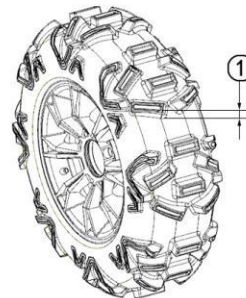
## EVERY 300 HOURS

### ■Checking Tire

1. Check to see if tires are not damaged.
2. If the tires are cracked, bulged, or cut, or they are worn out, replace or repair them at once.

### ◆Tire Tread Depth

Always replace the tires when the tread depth is worn to minimum allowable.



① 13mm(0.12in)

# Periodic Service

## EVERY 500 HOURS

### ■ Replacing Fuel Filter

Consult your local dealer for this service.

## EVERY 600 HOURS

### ■ Adjusting Engine Valve Clearance

Consult your local dealer for this service.

## EVERY 1500 HOURS

### ■ Checking Injection and Fuel Pump

Consult your local dealer for this service.

## EVERY 1 YEAR

### ■ Replacing Air Cleaner Primary Element and Secondary Element

(See "Cleaning Air Cleaner Primary Element" in "every 100 HOURS" in "PERIODIC SERVICE" section.)

## EVERY 2 YEARS

### ■ Changing Brake Fluid

Consult your local Dealer for this service.

(See "Checking Brake Fluid Level" in "DAILY CHECK" in "PERIODIC SERVICE" section.)

### ■ Flushing Cooling System and Changing Coolant



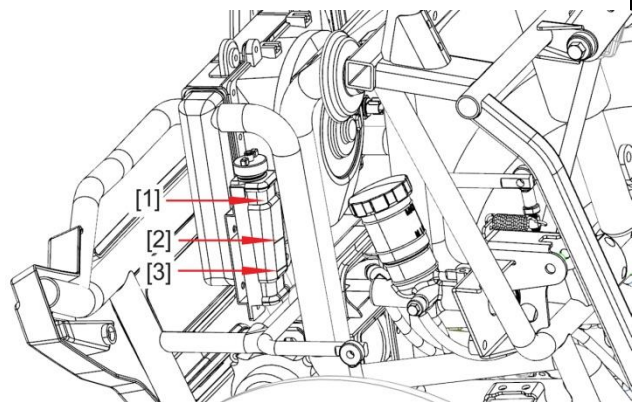
To avoid personal injury:

- Do not remove the radiator cap while coolant is hot. When cool, slowly rotate cap to the first stop and allow sufficient time for excess pressure to escape before removing the cap completely.

1. Stop the engine and let cool down.
2. To drain the coolant, open the radiator drain plug and remove radiator cap. The radiator cap must be removed to completely drain the coolant.
3. After all coolant is drained, close the drain plug.
4. Fill with clean water and cooling system cleaner.
5. Follow directions on the cleaner container.
6. After flushing, fill with clean water and anti-freeze until the coolant level is just below the radiator cap. Install the radiator cap securely.
7. Fill with fresh water up to the "FULL" mark on the recovery tank.
8. Start and operate the engine for few minutes.
9. Stop the engine and let cool.
10. Check coolant level of recovery tank and add coolant if necessary.

Coolant capacity

2.2L(2.3U.S.qts.)



- [1] Recovery tank [2] "FULL"  
[3] "LOW"

## Periodic Service

### IMPORTANT:

- Do not start engine without coolant.
- Use clean, fresh water and anti-freeze to fill the radiator and recovery tank.
- When the anti-freeze is mixed with water, the antifreeze mixing ratio must be less than 50%.
- Securely tighten radiator cap. If the cap is loose or improperly fitted, water may leak out and the engine could overheat.

### ■ Anti-Freeze



### CAUTION

#### To avoid personal injury:

- When using antifreeze, put on some protection such as rubber gloves. (Antifreeze contains poison.)
- If you should drink antifreeze, throw up at once and seek medical attention.
- When antifreeze comes in contact with the skin or clothing, wash it off immediately.
- Do not mix different types of Antifreeze. The mixture can produce chemical reaction causing harmful substances.
- Antifreeze is extremely flammable and explosive under certain conditions. Keep fire and children away from antifreeze.
- When draining fluids from the engine, place some container underneath the engine body.
- Do not pour waste onto the grounds, down a drain, or into any water source.
- Also, observe the relevant environmental protection regulations when disposing of antifreeze.

If it freezes, coolant can damage the cylinders and radiator. If the ambient temperature falls below 0°C (32°F) or before a long-term storage, let out cooling water completely, or mix fresh water with long-life coolant and fill the radiator and recovery tank with the mixture. •

1. Long-life coolant (hereafter LLC) comes in several types. Use ethylene glycol (EG) type for this engine.
2. Before employing LLC-mixed cooling water, fill the radiator with fresh water and empty it again.  
Repeat this procedure 2 or 3 times to clean up the inside.
3. Mixing the LLC
4. The procedure for the mixing of water and antifreeze differs according to the make of the antifreeze and the ambient temperature. Refer to SEA J1034 standard, more specifically also to SAE J814c.

### IMPORTANT:

- When the antifreeze is mixed with water, the antifreeze mixing ratio must be less than 50%.

| VOL%<br>Anti-freeze | Freezing point |     | Boiling point |     |
|---------------------|----------------|-----|---------------|-----|
|                     | °C             | °F  | °C            | °F  |
| 40                  | -24            | -12 | 106           | 222 |
| 50                  | -37            | -34 | 108           | 226 |

\*At 1.013x10<sup>5</sup>Pa(760mmHg) pressure (atmospheric).

A higher boiling point is obtained by using a radiator pressure cap which permits the development of pressure within the cooling system.

# Periodic Service

## 5. Adding the LLC

- 1) Add only water if the mixture reduces in amount by evaporation.
- 2) If there is a mixture leak, add the LLC of the same manufacturer and type in the same mixture percentage.

\*Never add any long-life coolant of different manufacturer.(Different brands may have different additive components, and the engine may fail to perform as specified.)

6. When the LLC is mixed, do not employ any radiator cleaning agent. The LLC contains anticorrosive agent. If mixed with the cleaning agent, sludge may build up, adversely affecting the engine parts.
7. The vehicle's genuine long-life coolant has a service life of 2 years. Be sure to change the coolant every 2 years.

### NOTE:

- The above data represent industry standards that necessitate a minimum glycol content in the concentrated antifreeze.
- When the coolant level drops due to evaporation, add water only to keep the antifreeze mixing ratio less than 50%. In case of leakage, add antifreeze and water in the specified mixing ratio before filling into the radiator.

### ■Replacing Radiator Hose (Water pipes)

Replace the hoses and clamps.

(See "Checking Radiator Hose and Clamp" in "EVERY 200 HOURS" in "PERIODIC SERVICE" section.)

### ■Replacing Fuel Hose

Consult your local HISUN Dealer for this service.

■ Replacing Brake Master Cylinder (Inner parts)Consult your local dealer for this service.

### ■Replacing Front Brake Seal

Consult your local dealer for this service.

### ■Replacing Rear Brake Cylinder Seal

Consult your local dealer for this service.

### ■Replacing Intake Air Line

Consult your local dealer for this service.

## EVERY 4 YEARS

### ■Replacing Brake Hose

Consult your local Dealer for this service.

### ■Replacing Mini Fuses

The Mini fuses are intended to protect the electrical cabling. If any of them have blown out, be sure to pinpoint the cause.

### ■Replacing Light Bulb

- 1) Head lights

Take the bulb out of the light body and replace it with a new one.

- 2) Other lights

Detach the lens and replace the bulb

| Light                  | Capacity |
|------------------------|----------|
| Head lights            | 2x35W    |
| Tail light             | 2x5W     |
| Brake light            | 2x21W    |
| Instrument panel light | 2W       |

## Periodic Service

### STORAGE



To avoid personal injury:

- Do not clean the vehicle when the engine is running.
- To avoid the danger of exhaust fume poisoning, do not operate the engine in a closed building without proper ventilation.
- When storing, remove the key from the key switch to avoid unauthorized persons from operating the vehicle and getting injured.

### VEHICLE STORAGE

If you intend to store your vehicle for an extended period of time, follow the procedures outlined below.

These procedures will insure that the vehicle is ready to operate with minimum preparation when it is removed from storage.

1. Check the bolts and nuts for looseness and tighten if necessary.
2. Apply grease to vehicle areas where bare metal will rust also to pivot areas.
3. Unload from cargo bed.
4. Inflate the tire to a pressure a little higher than usual.
5. Change the engine oil and run the engine to circulate oil throughout the engine block and internal moving parts for about 5 minutes.
6. With all implements lowered to the ground, coat any exposed rods with grease (if equipped).

7. Remove the battery from the vehicle. Store the battery following the battery storage procedures.
8. Keep the vehicle in a dry place where the vehicle is sheltered from the elements. Cover the vehicle.
9. Keep the vehicle indoors in a dry area that is protected from sunlight and excessive heat. If the vehicle must be stored outdoors. Cover it with a waterproof tarpaulin. Put boards under the tires to keep dampness away from tire. Keep the tires out of direct sunlight and extreme heat.

#### IMPORTANT:

- When washing the vehicle, be sure to stop the engine.  
Allow sufficient time for the engine to cool before washing.
- Do not wash with a high-pressure car-washing machine.
- Cover the vehicle after the muffler and the engine have cooled down.

### REMOVING THE VEHICLE FROM STORAGE

1. Check the tire air pressure and inflate the tires if they are low.
2. Before installing the battery, be sure it is fully charged.
3. Check to see if the fan works.

## Periodic Service

|   |  |
|---|--|
| <ol style="list-style-type: none"><li>4. Check all fluid levels(engine oil, transmission oil, engine coolant, transmission coolant and any attached implements).</li><li>5. Start the engine. Observe all gauges. If all gauges are functioning properly and reading normal, move the vehicle outside. Once outside, park the vehicle and let the engine idle for at least five minutes. Shut the engine off and work around vehicle and make a visual inspection looking for evidence of oil or water leaks.</li><li>6. With the engine fully warmed up. Release the parking brake and test the brakes for proper adjustment as you move forward. Adjust the brake as necessary.</li></ol> |  |
|---|--|



# Troubleshooting

## ENGINE TROUBLESHOOTING

If something is wrong with the engine, refer to the table below for the cause and its corrective countermeasure.

| Trouble                                       | Cause  | Countermeasure   |
|---|--|--|
| Engine is difficult to start or cannot start. | <ul style="list-style-type: none"> <li>No fuel flow</li> </ul>   | <ul style="list-style-type: none"> <li>Check the fuel tank and fuel filter.</li> <li>Check the electric fuel pump.</li> <li>Check the injector.</li> <li>Check the ECU with Motor Scan KF90121.</li> <li>Replace filter electric fuel pump injector and ECU If necessary.</li> </ul>             |
|   | Water is in the fuel system  | <ul style="list-style-type: none"> <li>Check to see if the fuel tank cover is tight.</li> </ul>  |
|   | <ul style="list-style-type: none"> <li>In winter ,oil viscosity increases, and Engine revolution is slow.</li> </ul>   | <ul style="list-style-type: none"> <li>Use oils of different viscosities, depending on ambient temperatures.</li> </ul>  |
|   | <ul style="list-style-type: none"> <li>Battery becomes weak and the engine does not turn over quick enough.</li> </ul>   | <ul style="list-style-type: none"> <li>Clean battery cables and terminals.</li> <li>Charge the battery.</li> <li>In cold weather(-15°C),always remove the battery from the vehicle, charge and store it indoors. install it on the vehicle only when the vehicle is going to be used.</li> </ul> |
| Engine power is insufficient                  | <ul style="list-style-type: none"> <li>Insufficient fuel.</li> <li>The injector is clogged.</li> <li>Crankshaft position sensor is Bad.</li> <li>The air cleaner is clogged.</li> <li>Spark plug is dirty or fouled.</li> <li>Ignition coil is bad.</li> </ul> | <ul style="list-style-type: none"> <li>Check the fuel system.</li> <li>Clean or replace the injector.</li> <li>Replace crankshaft position sensor.</li> <li>Clean or replace the air cleaner.</li> <li>Clean or replace the spark plug.</li> <li>Replace the ignition coil.</li> </ul>           |
| Engine stops suddenly                         | <ul style="list-style-type: none"> <li>Check with the diagnostic instrument (Motor Scan KF90121 ).</li> </ul>  |  |
| Engine overheats                              | <ul style="list-style-type: none"> <li>Engine overloaded</li> </ul>  | <ul style="list-style-type: none"> <li>Shift to lower gear or reduce load.</li> </ul>  |
|   | <ul style="list-style-type: none"> <li>Low coolant level.</li> </ul>   | <ul style="list-style-type: none"> <li>Fill cooling system to the correct level;</li> <li>Check radiator and hoses for loose connections or leaks.</li> </ul>  |
|   | <ul style="list-style-type: none"> <li>The motor driven fan does not turn.</li> </ul>  | <ul style="list-style-type: none"> <li>Check to see if the fuse is blown.</li> <li>Check the electrical system.</li> </ul>   |
|   | <ul style="list-style-type: none"> <li>Dirty radiator core or grille screens.</li> </ul>   | <ul style="list-style-type: none"> <li>Remove all trash.</li> </ul>  |
|   | <ul style="list-style-type: none"> <li>Coolant flow route corroded.</li> </ul>   | <ul style="list-style-type: none"> <li>Flush cooling system.</li> </ul>  |

If you have any questions, consult your local dealer.

# Troubleshooting

## Diagnostic Trouble Code Table

| Mt05 ECUMalfCode<br>Table:23 |   |
|------------------------------|---|
| Malf code in MT05            | Description   |
| <b>P0107</b>                 | MAP Circuit Low Voltage or Open                             |
| <b>P0108</b>                 | MAP Circuit High Voltage                                    |
| <b>P0112</b>                 | IAT Circuit Low Voltage                                     |
| <b>P0113</b>                 | IAT Circuit High Voltage or Open                            |
| <b>P0117</b>                 | Coolant/Oil Temperature Sensor Circuit Low Voltage          |
| <b>P0118</b>                 | Coolant/Oil Temperature Sensor Circuit High Voltage or Open |
| <b>P0122</b>                 | TPS Circuit Low Voltage or Open                             |
| <b>P0123</b>                 | TPS Circuit High Voltage                                    |
| <b>P0131</b>                 | O2A Circuit Low Voltage                                     |
| <b>P0132</b>                 | O2A Circuit High Voltage                                    |
| <b>P0031</b>                 | O2A Heater Circuit High Voltage                             |
| <b>P0032</b>                 | O2A Heater Circuit Low Voltage                              |
| <b>P0201</b>                 | Injector 1 Circuit Malfunction                              |
| <b>P0202</b>                 | Injector 2 Circuit Malfunction                              |
| <b>P0230</b>                 | FPR Coil Circuit Low Voltage or Open                        |
| <b>P0232</b>                 | FPR Coil Circuit High Voltage                               |
| <b>P0336</b>                 | CKP Sensor Noisy Signal                                     |
| <b>P0337</b>                 | CKP Sensor No Signal  |
| <b>P0351</b>                 | Cylinder 1 Ignition Coil Malfunction                        |
| <b>P0352</b>                 | Cylinder 2 Ignition Coil Malfunction                        |
| <b>P0505</b>                 | Idle Speed Control Error                                    |
| <b>P0562</b>                 | System Voltage Low  |
| <b>P0563</b>                 | System Voltage High   |
| <b>P0650</b>                 | MIL Circuit Malfunction                                     |
| <b>P1693</b>                 | Tachometer Circuit Low Voltage                              |
| <b>P1694</b>                 | Tachometer Circuit High Voltage                             |

If you have any questions, consult your local dealer.

# Troubleshooting

## BATTERY TROUBLESHOOTING

| Trouble   | Cause  | Countermeasure  | Preventive measure  |
|---|--|---|---|
| Starter does not function   | <ul style="list-style-type: none"> <li>Battery overused until lights are dim.</li> </ul>                       | <ul style="list-style-type: none"> <li>Charge the battery sufficiently.</li> </ul>            | <ul style="list-style-type: none"> <li>Charge the battery properly.</li> </ul>  |
|   | <ul style="list-style-type: none"> <li>Battery has not been recharged.</li> </ul>                              |   |   |
|   | <ul style="list-style-type: none"> <li>Poor terminal connection</li> </ul>                                     | <ul style="list-style-type: none"> <li>Clean the terminal and tighten securely.</li> </ul>    | <ul style="list-style-type: none"> <li>Keep the terminal clean and tight. Apply grease and treat with anti-corrosive.</li> </ul>  |
|   | <ul style="list-style-type: none"> <li>Battery life expired</li> </ul>   | <ul style="list-style-type: none"> <li>Replace new battery</li> </ul>                         |   |
| From beginning starter does not function, and lights soon become dim                | <ul style="list-style-type: none"> <li>Insufficient charging</li> </ul>  | <ul style="list-style-type: none"> <li>Charge battery Insufficiently</li> </ul>               | <ul style="list-style-type: none"> <li>Battery must be serviced properly before initial use</li> </ul>                            |
| When viewed from the top of plates, look whitish.<br>* Refillable type battery only | <ul style="list-style-type: none"> <li>Battery was used with an insufficient amount of electrolyte.</li> </ul> | <ul style="list-style-type: none"> <li>Add distilled water and charge the battery.</li> </ul> | <ul style="list-style-type: none"> <li>Regularly check the electrolyte level.</li> </ul>  |
|   | <ul style="list-style-type: none"> <li>Battery was used with too much without recharging.</li> </ul>           | <ul style="list-style-type: none"> <li>Charge battery Insufficiently</li> </ul>               | <ul style="list-style-type: none"> <li>Charge battery properly</li> </ul>   |
| Recharging is impossible.   | <ul style="list-style-type: none"> <li>Battery life expired.</li> </ul>  | <ul style="list-style-type: none"> <li>Replace battery.</li> </ul>                            |   |
| Terminals are severely corroded and heat up.  | <ul style="list-style-type: none"> <li>Poor terminal connection</li> </ul>                                     | <ul style="list-style-type: none"> <li>Clean the terminal and tighten securely.</li> </ul>    | <ul style="list-style-type: none"> <li>Keep the terminal clean and tight. Apply grease and treat with anti-corrosives.</li> </ul> |
| Battery electrolyte level drops rapidly.<br>* Refillable type battery only          | <ul style="list-style-type: none"> <li>There is a crack or pin holes in the electrolytic cells.</li> </ul>     | <ul style="list-style-type: none"> <li>Replace battery.</li> </ul>                            |   |
|   | <ul style="list-style-type: none"> <li>Charging system trouble.</li> </ul>                                     | <ul style="list-style-type: none"> <li>Consult your local dealer.</li> </ul>                  |   |

- If you have any questions, consult your local dealer.
- The factory installed battery is non-refillable type.

# Troubleshooting

## VEHICLE TROUBLESHOOTING

| Trouble                        | Cause  | Countermeasure  |
|--------------------------------|--|---|
| Gearshift does not move freely | <ul style="list-style-type: none"> <li>● High idling speed of engine</li> </ul>  | <ul style="list-style-type: none"> <li>● Replace throttle cable;</li> <li>● Replace throttle petal</li> <li>● Replace the throttle</li> </ul>   |
|                                | <ul style="list-style-type: none"> <li>● High rotary speed for clutch connection.</li> </ul>                                     | <ul style="list-style-type: none"> <li>● Replace the junior clutch spring;</li> <li>● Replace the primary clutch.</li> </ul>  |
|                                | <ul style="list-style-type: none"> <li>● Non good adjust for gearshift stay wire.</li> </ul>                                     | <ul style="list-style-type: none"> <li>● Put the gearshift rod into the position of "N".</li> <li>● Put the gearshift arm of engine into "N".</li> <li>● Adjust the stay wire and the bolt.</li> <li>● Lock tightly.</li> </ul> |
|                                | <ul style="list-style-type: none"> <li>● Gear abrasion</li> </ul>  | <ul style="list-style-type: none"> <li>● Replace the gears</li> </ul>   |
| Transmission noise             | <ul style="list-style-type: none"> <li>● Big matching clearance for the inner and outside gears of transmission shaft</li> </ul> | <ul style="list-style-type: none"> <li>● Replace the gears</li> </ul>   |
|                                | <ul style="list-style-type: none"> <li>● Big clearance of transmission gears.</li> </ul>   | <ul style="list-style-type: none"> <li>● Replace the gears</li> </ul>   |
|                                | <ul style="list-style-type: none"> <li>● Non good connection of gear end face</li> </ul>   | <ul style="list-style-type: none"> <li>● Replace the gears</li> </ul>   |
| Less vehicle power             | <ul style="list-style-type: none"> <li>● Parking brake</li> </ul>  | <ul style="list-style-type: none"> <li>● Loosen the lay-up rod</li> </ul>   |
|                                | <ul style="list-style-type: none"> <li>● Non full Uncoupling for disc brake</li> </ul>   | <ul style="list-style-type: none"> <li>● Contact the distributor.</li> </ul>  |
|                                | <ul style="list-style-type: none"> <li>● CVT transmission sliding</li> </ul>   | <ul style="list-style-type: none"> <li>● Removing the grease for the clutch.</li> <li>● Replace CVT transmission belt</li> <li>● Replace the clutch.</li> </ul>   |
| No brakes or noise             | <ul style="list-style-type: none"> <li>● Less brake fluid</li> </ul>   | <ul style="list-style-type: none"> <li>● Check the braking oil level</li> </ul>   |
|                                | <ul style="list-style-type: none"> <li>● Air inside the braking system.</li> </ul>   | <ul style="list-style-type: none"> <li>● Contact the distributor.</li> </ul>  |
|                                | <ul style="list-style-type: none"> <li>● Brake discs abrasion</li> </ul>   | <ul style="list-style-type: none"> <li>● Contact the distributor.</li> </ul>  |
|                                | <ul style="list-style-type: none"> <li>● Assembling bolt of disc plate loose</li> </ul>  | <ul style="list-style-type: none"> <li>● Lock tightly</li> </ul>  |
|                                | <ul style="list-style-type: none"> <li>● Assembling bolt for disc brake clippers loose</li> </ul>                                | <ul style="list-style-type: none"> <li>● Lock tightly</li> </ul>  |

If you have any questions, consult your local dealer.

# OPTIONS

Consult your local dealer for further details.

1. Head rest;
2. Roof
3. Rear Trailer Hitch & Pin(2" );
4. Windshield;
5. Motor Scan KF90121;

**Hisun Motors Corp., U.S.A.**  
**Emission Control System Warranty Statement**

**YOUR WARRANTY RIGHTS AND OBLIGATIONS**

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The U.S. Environmental Protection Agency and **Hisun Motors Corp., U.S.A.** (hereinafter "**HISUN**") are pleased to explain the emission control system warranty on your Off-Road vehicle. New off-road motor vehicles must be designed, built and equipped to meet U.S. EPA Federal and California anti-smog standards. HISUN must warrant the emission control system on your vehicle for 5,000 km, or at least 30 months, whichever comes first, provided that there has been no abuse, neglect or improper maintenance of your vehicle. This off-road vehicle was designed to meet the emission standards for 10,000 km, or five years, whichever comes first.

Your emission control system warranty covers components whose failure would increase an engine's emissions of any regulated pollutant

Where a warrantable condition exists, HISUN will repair your vehicle at no cost to you, including diagnosis, parts and labor.

If an emission-related part on your vehicle is defective, the part will be repaired or replaced by HISUN. This is your EMISSION CONTROL SYSTEM WARRANTY.

**NOTICE!** Use of this vehicle in any type of competitive event completely and absolutely voids this and all other warranties offered by HISUN.

**OWNER'S WARRANTY RESPONSIBILITIES**

As the vehicle owner, you are responsible for the performance of the required maintenance listed in your owner's manual. HISUN recommends that you retain all receipts covering maintenance on your vehicle, but HISUN cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

You are responsible for presenting your vehicle to the HISUN dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

As the vehicle owner, you should be aware that HISUN may deny your warranty coverage if your vehicle or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

If you use your vehicle in any type of competitive event, this warranty is immediately and completely void.

If you have any questions regarding your warranty rights and responsibilities, you should contact Hisun Motors Corp., U.S.A., 1434 Patton Place, Ste. 106, Carrollton, TX 75007 (Phone: 972-446-0760 or Toll Free: 877-838-6188), or the U.S. Environmental Protection Agency at 2000 Traverwood Drive, Ann Arbor, MI 48105.





Hisun Motors Corp., U.S.A.  
Limited Warranty on Emission Control System

**YOUR WARRANTY RIGHTS AND OBLIGATIONS**

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Hisun Motors Corp., U.S.A. warrants that each new off-road vehicle:

- A. is designed, built and equipped so as to conform at the time of initial retail purchase with all applicable regulations of the United States Environmental Protection Agency, and
- B. is free from defects in material and workmanship which cause such vehicle to fail to conform to applicable regulations of the United States Environmental Protection Agency for the periods specified above.
- I. **Coverage.** Warranty defects shall be remedied during customary business hours at any authorized HISUN dealer located within the United States of America in compliance with the Clean Air Act and applicable regulations of the United States Environmental Protection Agency. Any part or parts replaced under this warranty shall become the property of HISUN.
- II. **Limitations** This Emission Control System Warranty shall not cover any of the following:
  - A. Repair or replacement as a result of
    - (1) accident,
    - (2) misuse,
    - (3) repairs improperly performed or replacements improperly installed, unless performed by a HISUN authorized dealer,
    - (4) use of improper replacement parts or accessories not conforming to specifications set forth by HISUN, which adversely affect performance and/or
    - (5) Use in competitive racing or related events.
  - B. Inspections, replacement of parts and other services and adjustments required for required maintenance.
  - C. Any vehicle equipped with an odometer or hour meter on which the odometer mileage or hour meter reading has been changed so that actual mileage cannot be readily determined.
- III. **Limited Liability**
  - A. The liability of HISUN under this Emission Control System Warranty is limited solely to the remedying of defects in material or workmanship by an authorized HISUN dealer at its place of business during customary business hours. This warranty does not cover inconvenience or loss of use of the vehicle or transportation of the vehicle to or from the HISUN dealer. HISUN shall not be liable for any other expenses, loss or damage, whether direct, incidental, consequential or exemplary arising in connection with the sale or use of or inability to use the vehicle for any purpose. Some states do not allow the exclusion or limitation of any incidental or consequential damages, so the above limitations may not apply to you.



**Hisun Motors Corp., U.S.A.**  
**Limited Warranty on Emission Control System**

- B.** No express emission control system warranty is given by HISUN except as specifically set forth herein. Any emission control system warranty implied by law, including any warranty of merchantability or fitness for a particular purpose, is limited to the express emission control system warranty terms stated in this warranty. The foregoing statements of warranty are exclusive and in lieu of all other remedies. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.
- C.** No dealer is authorized to modify this Limited Emission Control System Warranty issued by HISUN.

**IV. LEGAL RIGHTS.** This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**V.** This warranty is in addition to the limited vehicle warranty.

**VI. ADDITIONAL INFORMATION.** Any replacement part that is equivalent in performance and durability may be used in the performance of any maintenance or repairs by the owner. However, HISUN is not liable for these parts. The owner is responsible for the performance of all required maintenance. Such maintenance may be performed at a service establishment or by any individual. The warranty period begins when the vehicle is placed into service.

If you have any questions regarding your warranty rights and responsibilities, you should contact Hisun Motors Corp., U.S.A., or the U.S. Environmental Protection Agency at 2000 Traverwood Drive, Ann Arbor, MI 48105.

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