You should see this book as an important part of the vehicle, which will help you to best exploit the vehicle's performance features and should transfer it to the next user if you sell the car.

	USER INFORMATION
(First user):	
<u>Name:</u>	<u>Tel:</u>
Address:	
Sale date:	
(Next user):	
<u>Name:</u>	<u>Tel:</u>
Address:	

- All information in this book is updated at the time of publication. However, THACO reserves the right to change at any time due to its policy of improving its products without notice.
- This book applies to passenger car THACO TB119S-E equipped with engine WEICHAI WP9H336E40.

PREFACE

First of all, we would like to thank our customers for trusting and choosing THACO passenger car products.

This book will give you instructions on the characteristics and operation of THACO TB119S-E passenger car. Please read the information in this book carefully, it will help you greatly in using and maximizing the useful features of the car.

Please note that all maintenance activities for vehicles must be done by THACO's authorized service stations. There are skilled professionals, proper tools and genuine parts, it is important that they have the best understanding about your car. THACO authorized service station is ready to provide high quality professional maintenance services and meet any support requirements.

Note: Because the next buyer may need the information in this book, if you sell the car, please forward this book to the next owner.

RECOMMENDATIONS: Serious failures for engines and drivetrain, possibly due to the use of poor quality or inadequate fuel and lubricant, not meeting the manufacturer's technical requirements. Therefore, use fuel and lubricant that meet the technical requirements listed in the last pages of this book.

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INTRODUCTION

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HOW TO USE THE GUIDE BOOK

This guide book will help you achieve the greatest satisfaction when operating your car. So we recommend that you take the time to read the entire book and master the information listed inside. However, to avoid possible casualties or worst cases, you should carefully read the WARNING and PRECAUTIONS section in this book-the part is marked with a special symbol as described below.

When reading this book, you can find important features, safety and driving information in different road conditions.

The main parts of the book are listed in the table of contents.

Illustrations next to the instructions in this book help explain your car best.

In this guide book, you will see many

indexes: WARNING, PRECAUTION, NOTE. These are the contents to help you drive safely and comfortably. Therefore, you must carefully read and follow the instructions outlined in these sections.

A WARNING

WARNING: take care of situations that may be harmful, cause serious injury, may even lead to death if you do not comply with the warning content.

PRECAUTION
PRECAUTION: take care of situation that can cause damages if you do not pay attention to the PRECAUTION information.

* NOTE

NOTE: is useful information for you.

REQUIREMENTS OF FUEL

Diesel fuel.

To optimize the performance of the car, we recommend using Diesel fuel according to Vietnamese standard 5689: 2013 for Euro IV emission standard diesel engines with Cetane index > 50 and sulfur content <50mg / kg. Also on the market today the fuel stations have a fuel DO 0.001S-V (Euro V) fully usable for all kinds of Euro IV emission standard diesel engines.

Do not use marine fuel, heat oil or unapproved additives, this will quickly corrode, endanger the engine. In this case, your car will not be covered by the warranty.

PRECAUTION

Do not allow gasoline or water to enter the fuel tank. This is essential to avoid high-pressure pump blockage, nozzles and damages to the engine.

Do not overfill the fuel tank. Always check the fuel tank cover to prevent fuel from spilling out.

GENUINE SPARE PARTS

1. What is genuine spare part? Genuine parts are parts supplied by THACO itself, used to assemble into cars. These spare parts are designed, tested to achieve the highest level of safety and performance, and reliability for customers.

2. Why do we need genuine spare parts?

Genuine parts supplied by THACO meet the durability requirements as original cars. Using imitated, fake parts or waste parts will reduce the performance of the vehicle even cause serious damages and are not entitled to warranty policy of THACO or any other warranty.

3. Where do we can buy genuine spare parts?

Genuine parts are provided at THACO's service stations and authorized service stations nationwide.

RUNNING-IN STAGE

During the first 1000km to 3000km, do not run beyond 75% of the load.

You can contribute to saving and increasing the life of your car by taking the following recommenddations:

- While driving, keep the engine speed rpm at 1800 rpm.
- While driving, keep below 3/4 maximum speed.
- Keep moderate acceleration, do not press the accelerator pedal completely at startup.
- Avoid sudden braking, except in an emergency, keep the brake pads in contact with the brake drum and do not drive too slowly.
- Do not let the engine run idle no more than 3 minutes.
- Do not pull other vehicles.

CHECK BEFORE DRIVING THE CAR

Before get in the car.

Check and make sure windows, mirrors and lights are clean.

Check if the tire is too underinflated or flat.

Check for leaks of pipes.

Check the space around the car before backing up.

After get in the car.

Lock all car doors.

Drivers must wear seat belts. Adjust the headrest properly.

Adjust appropriate interior and exterior mirrors.

Check the warning lights with the electric key in the proper operating position.

Check whether all indicator clocks are normal operation or not.

Check whether the steering system is working or not.

Check whether the brake system ensures safe operation or not.

TAKE PRECAUTIONS WHEN USING A NEW CAR

Performance and life expectancy of cars depend greatly on how you preserve and maintain them.

To ensure good performance, long life, pay attention to the following points:

- Ensure the car must be inspected periodically at the operating time of 1000km and the first 5000km.
- After the first 1000km and 5000km, take your car to the nearest authorized Service Station for periodic inspection according to the contents recommended in the "Warranty Book".

Operate the car at a stable, steady speed for the first 1000km for running-in. Especially often let the engine to be fully reheated until the coolant temperature pointer begins to operate.

INSPECTION PLAN

The car need to have inspection and maintenance plans to ensure safety and improve the life of the car.

The inspection steps are listed in the "Maintenance Plan" chapter and please note the item of the inspection plan carried out by THACO's Authorized Service Station.

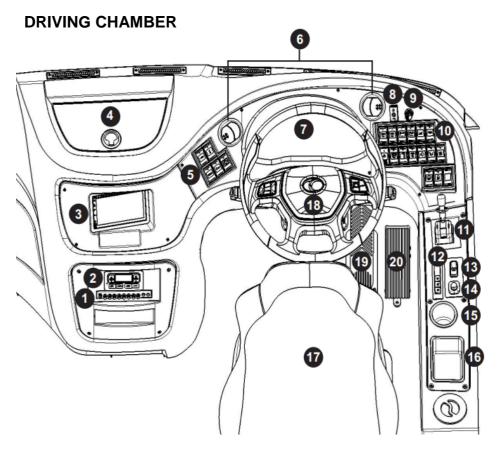
* NOTE

The level of engine oil, engine coolant, brake fluid, and glass washer fluid must be checked daily or weekly or whenever you add.

2

OVERVIEW OF CAR

Driving chamber	2-1
Passenger chamber	2-1
Engine chamber	2-1



- 1. Mixer.
- 2. Air conditioner control switch cluster
- 3. LCD screen
- 4. Cover assy juntion box
- 5. Left control switch cluster
- 6. Air vents
- 7. Dashboard instrument cluster
- 8. Fire Emergency switch
- 9. Cigar lighter
- 10. Right control switch cluster.
- 11. Handbrake lever
- 12. Transmission gear shift button
- 13. Drive mirror adjustment switch
- 14. Rearview mirror control switch
- 15. Cup tray
- 16. File case
- 17. Driver seat
- 18. Steering wheel cluster.
- 19. Brake pedal cluster.
- 20. Accelerator pedal cluster.

PASSENGER CHAMBER

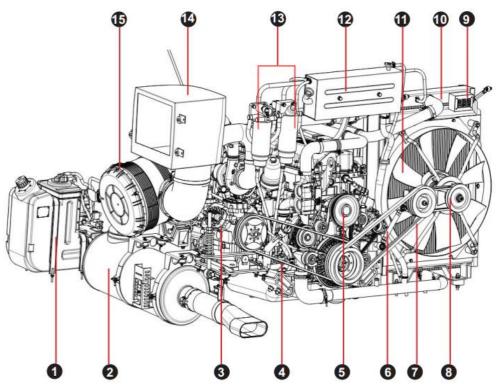


- 1. Emergency door switch
- 2. First aid kit.
- 3. Fire extinguisher.
- 4. Rearview mirror inside.

- 5. Luggage rack.
- 6. Curtain.
- 7. Exit hammer.
- 8. Left seat row.

- 9. Right seat row.
- 10. Rear seat row.
- 11. Driver's seat
- 12. Tour guide seat

ENGINE CHAMBER



- 1 Urea tank
- 2 SCR tank
- 3 Air conditioner compressor
- 4 Coolant gas compressor belt
- 5 Engine
- 6 Cooling propeller
- 7 Coolant fan belt
- 8 Drive propeller
- 9 Start box
- 10 Water tank
- 11 Coolant fan
- 12 Radiator tank
- 13 Fuel Filter
- 14 Composite air intake
- 15 Air intake filter

12

DISPLAY METER AND INDICATOR LIGHT

Display meter panel	3-14
Indicators lights on the Display meter	.3-18

3

DISPLAY METER PANEL



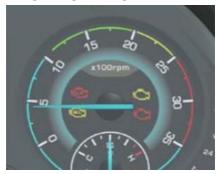
In addition to the lights in the warning symbol light area, the other lights are also arranged in other functional positions on the Display meter face and on the dashboard. Those lights will be specified in the details section on the following pages.

CAR SPEEDOMETER



Car speedometer displays the speed of car through km / h.

ENGINE SPEEDOMETER



This speedometer displays the engine's rotation speed with rpm x100(rpm).

⚠ PRECAUTION:

Do not increase the rotation speed of the engine to the level at which the clock pointer reaches the red zone on the speedometer surface (the allowed maximum speed of the engine is 2500rpm). This may cause serious damage to the engine.

CENTRAL DISPLAY SCREEN



This screen shows the working status of some devices: driver safety belt, door, brake tank pressure, Urea solution ... and records the number of mileage the car has run, calculated by the unit km. It makes it easy to control the status of your car and maintain proper and efficient car maintenance.

BATTERY VOLTAGE METER



This meter displays the battery voltage level.

Check when the engine is running, the alarm level must always be between 24V and 30V.

If the meter is above 30V or below 24V, contact the nearest authorized Service Station for inspection and handling.

ENGINE LUBRICANT PRESSURE METER



This meter indicates the lubricant pressure of the engine when the engine is operating.

When the pressure level is below 5kPa, the lubricant pressure warning light will turn on and the siren will sound at the same time.

* NOTE

The engine lubricant pressure the when the engine is cool may be higher than the pressure at the hot moment.

If the lubricant filter is blocked, the lubricant pressure warning light will turn on but the siren will not sound.

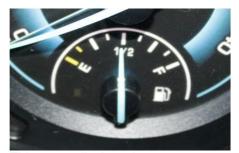
ENGINE COOLANT TEMPERATURE METER



When the key is in the "ON" position, the clock pointer indicates the engine coolant temperature. Usually the clock pointer is approximately 80°C. Driving at high speed in hot weather or driving uphill can make the pointer move to the red zone. If the engine is too hot, the warning light will turn on. When the amount of cooling water is lower than the specified amount, the warning light will turn on and the siren will sound.

When the warning light turns on, you need to stop the car immediately to check, to idle the engine until the temperature drops to normal.

FUEL LEVEL METER



This meter displays the corresponding fuel level in the container when the electric key is in the "ON" position.

The position of the pointer will vary slightly when pedaling the accelerator, the brake, when the car is down or uphill. So, check the fuel level when the car is less volatile as when stopping on a flat road or moving steadily on a flat road. When the warning light turns on, meaning the fuel level in the tank is about to run out, you should move the car to the nearest fuel station to fill the fuel.

BRAKE COMPRESSED AIR PRESSURE METER



The pressure in the compressed air tank provided for the front brake and the rear brake is reported on either side of the central display screen.

If the air pressure is less than 5kg/cm2, the light will show red and the siren will sound continuously. Then you should idle the engine, pressure will increase again. After a period of time if the air pressure does not rise again, turn off the engine and contact the nearest authorized Service Station for inspection and handling.

SOLUTION LEVEL METER IN UREA BOTTLE



The meter shows the amount of solution in the urea tank and is expressed in %, when the solution drops below 10% we need to add the solution to the urea tank so that the engine works well during the journey.

* NOTE

You should ensure that the amount of urea in the tank is sufficient for the journey, because if Urea amount runs out after 50 hours the engine will reduce its capacity by 30%.

INDICATOR LIGHTS ON THE DISPLAY METER



















GENERATOR CHARGING INDICATOR LIGHT

The generator charging indicator power key is turned on, then turned off when the engine is started. If the indicator light is on while the car is running, do the followings:

- 1. Drive to the nearest safe place.
- 2. Turn off the engine, check the belt, it can be broken or loose. If the belt is slack or frayed, adjust or replace it.
- 3. If the belt does not need adjustment, take the car to THACO's authorized Service Station for inspection.



LOW AIR PRESSURE INDICATOR LIGHT

The light will be on if the pressure in the tank is less than 5 kg / cm2, then stop and let the engine idle. Wait until the air pressure in the tank rises again and the light is off, then continue to operate the car.

A PRECAUTION

Do not drive when the compressed air pressure of the brakes is insufficient, the compressed air pressure of the low braking system may cause unsafe and serious accidents.



MAIN BRAKE INDICATOR **I IGHT**

The light will be on when the main brake is activated (when impacting the brake pedal).



The brake pad wear //indicator light (if equipped)

Bright light indicates one of the brake pads wears. In order not to incur additional costs when maintaining and repairing the brake system, you should replace the brake pads as soon as possible.



OPEN PASSENGER DOOR INDICATOR LIGHT

This light shows the opening and closing status. The light is on when the door is open, the light is off when the door is completely closed.

These lights make it easy to control the operation of the door.



OPEN ENGINE TRUNK INDICATOR LIGHT

This light shows the opening and closing of the engine trunk. The light is on when the trunk is open, the light is off when the trunk is closed. Your car is equipped with a safety system, when the engine trunk is open you cannot start with the key.

* NOTE

You cannot start the engine with the key when the engine trunk is open. When starting with the key, make sure the engine trunk is closed.

ENGINE LUBRICANT INDICATOR LIGHT

Engine lubricant indicator light is arranged to the left of the car speedometer. Under normal operating conditions, the indicator light is displayed when the electric key is in the "ON" position and turns off when the engine is started.

If the indicator light is on, it means that there is not enough lubricant in the engine.

If the indicator light is displayed when the engine is running, turn off the engine and check the lubricant level.

A PRECAUTION

Engines that operate in the absence of lubricant may cause serious damage.



LOW COOLANT LEVEL INDICATOR LIGHT

The coolant indicator liaht is arranged above the engine lubricant indicator light, to the left of the speedometer. Under normal operating conditions, the light is displayed when the key is "ON" and will turn off after 2 seconds.

The indicator light is on when the water in the cooling system is too low, move the car to a safe place. Check and add coolant as standard. If additional coolant has been added but the indicator light is still on, contact the nearest THACO authorized service station for repair.

A PRECAUTION

Do not open the Radiator cover when the coolant is too hot, which could he dangerous for you.



ABS BRAKE NDICATOR LIGHT

ABS brake indicator light is located on the right of the speedometer area. Under normal operating conditions, the light is displayed when the key is "ON" and will turn off after 2 seconds.

ABS is an anti-lock wheel system when braking. The ABS indicator light will be on when the ABS system is active.

If ABS brake light is on when not braking or not displayed when turning "ON" the electric key then ABS is having problems. In this case, you should take the car to THACO's authorized service station for inspection and processing.

* NOTE

The ABS system ensures your car brakes best, when ABS brake system has failures, it will not work as well as the manufacturer's design.

ASR SYSTEM **ASR** INDICATOR LIGHT

The ASR system indicator light is arranged below the ABS brake lights and to the right of the speedometer. Under normal operating conditions. the light is displayed when the key is "ON" and will turn off after 2 seconds.

ASR is an anti-slip system when the car accelerates. The ASR indicator light will be on when the ASR system works.

If the ASR indicator light is still on while running or is not displayed when turning "ON" the key then the ASR system is having problems. In this case, you should take the car to THACO's authorized Service Station for inspection.

* NOTE

The ASR system ensures your car accelerate best, when ASR has failures, your car is likely to slip when accelerating.



INDICATOR LIGHT

This light will be on when the fuel in the tank is about to run out. When the light is on, you need to refuel as soon as possible.

* NOTE

When the fuel indicator light is on or fuel meter is display below the "E", if you continue to drive, it may cause the engine shut down and damage the catalytic converter, or it may block fuel injectors.

ENGINE ERROR INDICATOR LIGHT

Engine error light is arranged to the right of the engine speedometer area. If the primary key turns on in normal conditions, the engine error indictor light will be displayed and will turn off after two seconds. If the light is still display, then the engine is having problems and need to check and repaired at THACO's authorized service station.

* NOTE

Engine error indicator light and gearbox error light are similar in shape, arranged close to each other, different in color.

When the engine or gearbox reports an error, you need to bring the car to Thaco's authorized Service Station for inspection.



OVERHEATING ENGINE INDICATOR LIGHT

If the coolant is too hot against the allowed temperature, the indicator light will be on and the engine error light may be displayed.

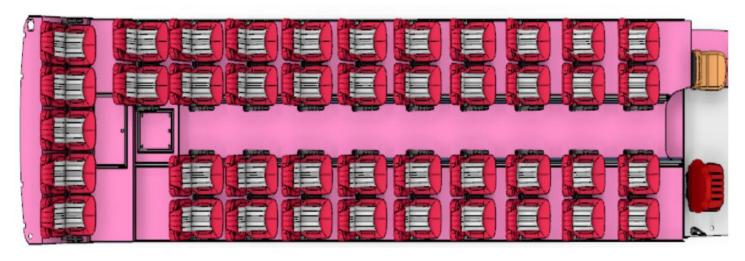
When the overheating engine indicator light is on, stop the car to check for leaks and the amount of coolant in the tank. If the coolant is lost, add more coolant. When the coolant has been added but the light is still on, please contact the nearest THACO authorized service station for repair.

A PRECAUTION

Do not open the radiator cover when the coolant is too hot. which could be dangerous for you.

SAFETY FUNCTION OF THE CAR

Seat layout4-2	24
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Stop brake4-3	37
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Fire fighting switch4-3	38
Fire extinguisher for engine chamber 4-3	38



43 passenger seats + 1 driver's seat + 1 tour guide seat

DRIVER SEAT

Adjust the seat to slide forward or backward.



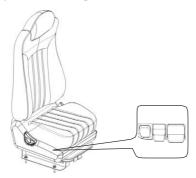
- 1. Pull the seat latch lever upwards.
- 2. The seat will then be released and you can move the chair back or forth to the desired position.
- 3. Release the seat latch lever and move the seat to fix. Make sure the seat is locked in the desired position.

Adjustable seat cushion height.



- 1. The height of the front seat cushion can be adjusted high or low by pressing the left control button in the picture above.
- 2. The height of the rear seat cushion can be adjusted high or low by pressing the right control button in the 3. Press the lower button (according to picture above.

Adjust the height of the seat



- 1. Press the upper button (according to the picture) to adjust the height of the seat.
- 2. Press the middle button (according to the picture) to adjust the elasticity of the seat.
- the picture) to discharge or keep all steam in the seat.

Adjust the seat back angle.



- Leaning lightly on the back of the seat, lift the adjustment lever upwards as shown.
- 2. Just lift and hold the lever, and put the back on the backrest to adjust the tilt angle.
- Adjust to the appropriate position then release the adjustment lever, lean your back strongly on the backrest to make sure the tilt angle has been adjusted to the desired position and be sure.

Adjust seat backrest.



- 1. Press the left button (according to the picture) to adjust the seat backrest at the bottom.
- 2 Press the middle button (according to the picture) to adjust the seat backrest above.
- Press the right button (according to the picture) to adjust the seat backrests on both sides.

A PRECAUTION

Do not adjust the driver's seat while driving. This can cause the driver to lose control of the steering wheel and cause a serious accident, damaging the car, even leading to death.

After adjusting the seat, always check again to make sure the seat is locked into the adjusted position. Unexpected movements of the seat while driving may cause a loss of car control resulting in a serious accident. Items in the driver's foot area can affect pedal performance and cause an accident. Do not leave objects in the front under the driver's seat.

(Continued)

(Continued)

Do not let luggage or items affect the normal position of the back seat. The above items may cause the back of the seat to be stuck, not to be tightened, causing injury when braking the vehicle or when a collision occurs.

Do not adjust the seat during fastening the seatbelt. Moving the seat cushion forward can increase the pressure in the abdomen.

Pay extreme attention to the hands or objects on the seat back adjustment mechanism when the seat moves.

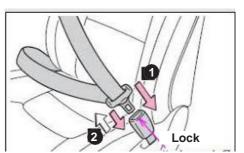
Do not turn on the lighter on the car floor or on the seat, when the seat moves, it can ignite and cause a car fire.

(Continued)

(Continued)

Do not place heavy objects and iron in the tray. When an accident occurs, these objects fall and injure passengers.

DRIVER SEATBELT



Fasten the seatbelt

To fasten a seatbelt, pull the belt out of the retraction coil and attach the beak to the lock in the direction of the arrow 1. A clear sound will be heard when the beak is fitted with the lock completely. The safety belt automatically adjusts to the appropriate length to fit both your upper body and hip.

If you take your body forward slowly, the belt will stretch and help you move around easily. Conversely, if the car stops suddenly or has a strong collision, the seatbelt will lock in place. Or it can be lockable if you move your body forward quickly.

※ NOTE

If the driver's seatbelt is not fastened, when the electric key is in the "ON" position, the seatbelt indicator light will flash. If the seat belt is not fastened, the seatbelt light will light up and the siren will make a sound while driving.

The seat belt is most effective when the seat back is always upright.

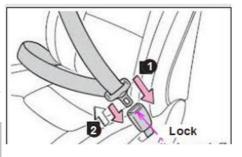
A PRECAUTION

The seatbelt must be in the middle of the shoulder, not let the seatbelt slip under the arm or behind the back, the wrong position of the seat belt can cause serious injury during a collision.

To optimize protection, drivers must always fasten their seatbelt correctly before driving in accordance with the regulations.

Remove the seatbelt

The seatbelt is removed by pressing the unlock button on the lock and unplug the belt in the direction of the arrow 2



Take care of seatbelt

Do not disassemble or change the seatbelt structure. Make sure the belt and metal parts of the belt are not damaged by hinges for seats, doors or other objects.

Keep the belt clean and dry

The belt needs to be kept clean and dry. If the belt is dirty, wipe it off with warm water and neutral soap. Strong chemical solvents should not be used as they can damage the belt's nylon fibers.

Take periodic inspection

All safety belts must be inspected periodically to detect any type of damage. Damaged parts must be replaced as soon as possible.

Change the belt

The entire belt must be replaced after an accident even if no damage is found. Belt-related work must be done by THACO's authorized service station.

A PRECAUTION

To maximize the protection, always wear a seatbelt correctly.

Do not wear a seatbelt when twisted. When there is a collision it can tighten on you. Keep the seatbelt straight and free from twisting.

Do not adjust the seat during fastening the seatbelt. Moving the seat cushion forward can increase the pressure in the abdomen.

PASSENGER SEATBELT Fasten the seatbelt



The bed belt is designed to have a fixed length so when entering the position of the bed, passengers only need to hold 2 sides of the belt and attach a beak to the lock. A clear sound will be heard when the beak is fitted with the lock completely.

A PRECAUTION

Before the car moves, the driver must ask the passenger to fasten the seatbelt. Every person in the car needs to be protected at all times, including babies and children.

Remove the seatbelt

The seatbelt is removed by pressing the unlock button on the lock.



Take care of seatbelt

Do not disassemble or change the seatbelt structure. Make sure the belt and metal parts of the belt are not damaged by hinges for seats, doors or other objects.

Keep the belt clean and dry

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Change the belt

The entire belt must be replaced after an accident even if no damage is found. Belt-related work must be done by THACO's authorized service station.

A PRECAUTION

Pregnant women:

Pregnant women must not place a seatbelt the on abdomen above the or abdomen because the belt can overlap the fetus when exposed.

A PRECAUTION

To maximize the protection, always wear a seatbelt correctly.

Do not wear a seatbelt when twisted, the twisted belt will not work effectively. When there is a collision it can tighten on you. Keep the seatbelt straight and free from twisting.

Do not adjust the seat during fastening the seatbelt. Moving the seat cushion forward can increase the pressure in the abdomen.

Do not turn on the lighter on the car floor or on the seat, when the seat moves, it can ignite and cause a car fire.

OPEN-CLOSE THE CAR DOOR:

Door control switch:

Your car is equipped with 01 up and down door controlled through compressed air. When you want to open or close the car door, the driver needs to press the door control switch on the dashboard.

- 1st Press the switch, the door will open.
- 2nd Press the switch, the door will close.
- The door opening and closing signal will be displayed on the dashboard meter.



Opening button

When you want to close or open the door from outside the car, just press the button to open the door on the door handle.

- In the 1st pressing, the door will open
- In the 2nd pressing, the door will close



In addition, mechanical door lock is installed on each door. You can then open the door by opening the steam valve on the bottom of the car.

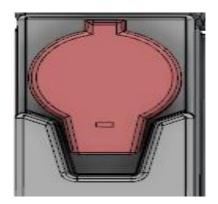
A PRECAUTION

Before opening / closing the door, you must observe passengers and objects not in the moving corridor of the door. This can be dangerous to passengers.

The door on the car is equipped with a safety mechanism, when the door is closed but there is a big obstacle in the time of more than 3 seconds, the door will open automatically. Make sure that, when closed, there is no obstacle.

Opening valve inside the car

In case the door is stuck, the control switch on the dashboard does not work, it is recommended to use the switch valve inside the vehicle (near the door up and down).).



* NOTE

Open the door in an emergency by turning the passenger door emergency steam valve clockwise 90 degrees. Then push or pull the doors vigorously to exit the car.

CLOSE - OPEN THE EXIT DOOR: Opening handgrip inside the car

When having an incident or accident, if you want to open the door from inside the car to escape.

- Press the ON button.
 - Scoop the red handgrip from top to bottom and push the door to exit the car.



Opening handgrip outside the car

When having an incident or accident occurs, the exit door inside the car cannot be opened or the person inside is unable to open the door. At that time, the door must be opened from outside the car.

- Use a hammer to break the round glass.
- Scoop the red handgrip to move from top to bottom and pull the door out for the inside passenger to exit the car.



A PRECAUTION

When the car is driving, there is no problem, absolutely no passengers are allowed to open the exit door. This can jeopardize passengers and other road users.

BRAKE INDICATOR LIGHT



Check the brake indicator light by turning on the engine switch (do not start the engine). This light will be on when pulling the handbrake and the engine switch in the START or ON position. Before driving, make sure the handbrake is fully released and the handbrake indicator light goes off.

If the handbrake indicator light is still on after releasing the brake while the engine is running, there may be a brake system failure.

If possible, stop the car immediately. If you cannot stop the car, take extra care when driving the car to a safe place. In this case, you should take the car to THACO's authorized service station for inspection and processing.

COMPRESSED AIR BRAKE SYSTEM

Your car is equipped with two-line compressed air brake system that acts on the brake pads in the wheels in combination with the anti-lock system to improve braking efficiency and safety when operating the vehicle.

№ PRECAUTION

To avoid costly brake repair, do not continue driving when the brake pads become worn. Always replace the front or rear brake pads by respective kit.

PRECAUTION

Do not drive with your foot on the brake pedal. This will give rise to high temperatures that cause the brake to lose its effect temporarily, brake pads and brake discs quickly wear up, the braking distance is longer when stopping the car....

When going down or up a slope, avoid continuously Continuous brake braking. pedaling will cause the brakes to overheat and may result in temporary loss of braking.

Wet braking can reduce the braking ability of the car, so it is safe to reduce the speed when the brakes get wet. The car may slip sideways when braking. Lightly braking will show whether or not it is affected. Always check the brakes by lightly braking after driving through deep puddles.

To dry the brake, apply the brake gently while keeping the car running at a safe speed until the braking effect returns to normal.

Always check the position of the brake pedal and the throttle before driving. If not, you may accidentally pedal the accelerator pedal instead of the brake pedal. This can cause serious accidents.

A PRECAUTION

ABS braking system will not prevent accidents caused by improper driving. Although the ability to control the car has been improved in emergency braking situations, it must always maintain a safe distance between your car and other car and obstacles ahead. Always reduce car speed in poor road conditions.

ANTI-LOCK BRAKE SYSTEM (ABS)



When braking, the ABS system will continuously measure the speed of the wheels. If the wheels show signs of hard braking, the ABS system will immediately regulate the brake pressure down the wheels to avoid wheel slip due to the brake being locked.

When braking under conditions that can harden the wheels, you may hear a "beep" from the brakes, or feel a return on the brake pedal. This is normal and it means your ABS system is active.

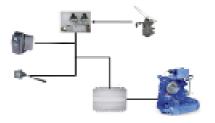
To get the most out of your ABS in an emergency, do not try to adjust your car brake pressure or try to release the brake pedal.

* NOTE

After starting the engine and starting to move, you can hear the clicking sound in the engine chamber. These situations are normal and it shows the ABS antilock braking system works well.

- Even with a car equipped with an anti-lock braking system, your vehicle still takes a necessary brake distance before stopping completely. So keep a safe distance from the car ahead.
- Always drive the car slowly when turning. Hard braking brake system may not prevent accidents due to speeding.
- On soft foam roads or uneven road surfaces, the operation of the hard braking system can make the braking distance longer than that of a normal brake system.

HYDRAULIC BRAKE SYSTEM Diagram:



Operation:

Hydraulic brakes are brake assist for the main brake system integrated on the output of the gearbox. When applying force to the brake pedal, the signal from the pressure sensor will transmit to the ECU. The ECU controls the active hydraulic brake, which slows the engine speed thereby slowing the vehicle's speed. Hydraulic brakes are designed to be used in case of sloping, long pass or where braking forces are not large.

Function and task:

Reduce the load for the main brake system at the wheels.

Reduce the speed for the car when going downhill without heating the main brake.

Reduce the speed for the car when going downhill without heating the main brake.

Advantages:

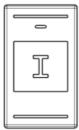
Bring the high economic efficiency. Small dimension, easy assembly and maintenance.

❖ REMARKS:

Turn off hydraulic brake system when it is not in use, to increase durability and lifetime of hydraulic brake

Using:

+ Hydraulic brake switch:



Assembled at the two -switches block in the left side of instrument board.

+ Using:

Press the switch, it will be "ON" position. Press once again, it will be "OFF"

Brake shift switch



Manual-controlled brake lever has 4 levels corresponding to percentage using power brakes.

Mode 1: Braking force of 25% Mode 2: Braking force of 50% Mode 3: Braking force of 75% Mode 4: Braking force of 100%

Advantages of 4-level brake switch:

When the vehicles go downhill or passes, it is impossible to use a hydraulic brake instead of the main brake. It is the best way to combine the hydraulic brake on the lever and the main brake on the pedal. Depending on the angle of slope and the actual speed of vehicles, drivers shall select the switch to in mode 1, 2, 3 or 4 with 4 levels of braking force of 25%, 50%, 75% or 100%.

This will make it easier for the driver to control the car, the passengers feel more comfortable, the car will move more smoothly and safely.

❖ REMARKS:

4-mode lever switch only works when the hydraulic brake switch is turned on (ON). At the same time, the foot brake was supported by hydraulic brake force when the vehicle speed was over 20 km/h.

❖ REMARKS:

When the lever switch is in 1 or 2 or 3 mode, but for now the driver has used the foot brake, the hydraulic brake force will operate at the highest mode to ensure safety for the vehicle.

WANRING:

Hydraulic brake system is a support system for main brakes and is only used at times when necessary to ensure safety when moving vehicles.

Turn off the hydraulic brake switch when it is not used to increase the durability and service life of the hydraulic brake.

STOP BRAKE



Always pull the handbrake before leaving the driving position. When the electric key is in the "ACC" position or "ON" the handbrake indicator is displayed. Before driving, be sure to release the handbrake and the indicator light is off.

- For the parking brake to work, pull the handbrake lever (1) toward the rear of the vehicle.
- To release the handbrake, pull up the lock ring and push the brake arm forward

In case of broken brake

If the main brake system is broken, you can perform emergency stop with handbrake. However, the stopping distance will be longer.

APRECAUTION

Driving with a fully un-released handbrake will cause the brake pads and brake disc to wear quickly.

Do not use the handbrake while the car is running except in an emergency. This may damage the car systems and pose a threat to safety when driving a car.

A PRECAUTION

Impacting the handbrake while the car is running at normal speed may cause the car to lose its control suddenly. If you are forced to use the handbrake to stop the car, you must pay close attention.

Check worn out brakes

When the sensor signal shows that the brake pads wear on the dashboard, but you do not hear the noise due to friction, you should check the brake pads right away. In addition, the brake must be checked every time you change or reverse the tire and should replace the brake pads synchronously on the same brake mechanism.

A PRECAUTION – WORN OUT BRAKES:

If there is a warning of worn out brake or noise generated by friction when braking, your car needs to be cared for. If you ignore these warnings, the brakes on your car may be ineffective and lead to serious damage.

FIRE EXTINGUISHER

Your car is equipped with a 2kg fire extinguisher. When an accident occurs and you need to use a fire extinguisher, draw the duckbill brake latch from the extinguisher. (This latch is to avoid pressing the duckbill lever). Notes when using a fire extinguisher:

- 1. Point the fire extinguisher nozzle towards the fire.
- Stand about 2.5m (8ft) away from the fire position, then press the trigger to spray the flame retardant out. Release the trigger to stop spraying the flame retardant.
- 3. Move the nozzle back and forth to the center of the fire. After the flame has been turned off, check it carefully to make sure it doesn't burn again.

FIRE FIGHTING SWITCH

Emergency fire-fighting switch is arranged on the side of the sub-dashboard, on the left side of the driver (please find more details at the emergency fire-fighting switch section in section 5: features of the car).

A PRECAUTION

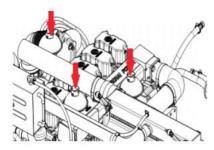
Do not leave objects near the fire alarm switch.

Do not make a strong impact on the fire fighting switch, if this button is accidentally activated, the fire alarm system on the car will operate, the fire fighting equipment on the car and engine chamber will be activated to ensure safety.

In the event of an emergency or a fire incident on the car, be very calm, only use this button in case it is absolutely necessary.

AUTOMATIC FIRE FIGHTING TANK FOR ENGINE CHAMBER

When the fire alarm switch on the car is activated or when the engine chamber detects abnormal smoke and high temperature, the firefighting tank will detonate.



A PRECAUTION

Do not disassemble or electrically connect the fire fighting system automatically.

When abnormal signs or fire alarms are detonated, THACO authorized Service Station should be contacted for advice.

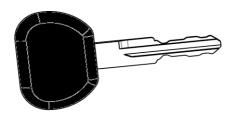
STRUCTURES AND UTILITIES ON THE CAR

The key, the steering wheel	5-40
Digital clock, rearview mirror	5-41
Camera screen	5-42
Reverse digital camera	5-47
Reading lights, ventilation holes and ventilation fans	5-47
The cigarette bait button, emergency fire fighting switch	5-48
LCD screen, refrigerator, audio adjustment system	5-49
Fuel tank door	5-49

THE KEY

1. Main electric key:

Used to open and close the power and start or turn off the engine.



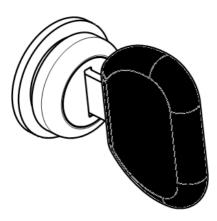
* NOTE

Always remember the key code, in case the key is lost, based on this code, the manufacturer can provide the key easily and quickly.

Please remove the card with the key code engraved and store it in a safe place.

2. The extra key is used to lock / open:

- Passenger door.
- · Battery door.
- Fuel tank door.
- · Luggage trunk.
- Engine trunk at the back of car.



STEERING WHEEL



To adjust the steering wheel, perform the following steps:

- Turn the steering wheel lock button counterclockwise to unlock.
- Raise or lower and push up or lower the steering wheel according to the desired position.
- 3. After adjusting, lock it tightly by turning the lock button clockwise.

A PRECAUTION

Do not adjust the steering wheel while driving, this may cause loss of steering and may cause an accident.

DIGITAL CLOCK



Installed in front, above of the main LCD screen, where drivers and passengers easily observe.

There are 03 adjustment buttons on the electronic clock. Their functions are as follows:

HOUR: Press the "H" button to display the hour.

MINUTE: Press the "M" button to display the minute.

SET UP TIME: Press the "S" button to set the minutes from ": 00" to adjust the correct time.



REARVIEW MIRROR

Rearview mirror inside the car

Adjust the rearview mirror in the car so that the driver can see all the thing from front to back. Adjust the mirror before driving.



Adjust the visibility of the rearview mirror before driving.





A PRECAUTION

Do not adjust rearview mirror while driving. It distracts your control, which can cause serious or even fatal accidents.

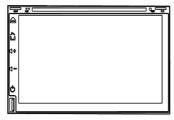
Your car is equipped with 2 rearview mirrors (left + right). These mirrors can be electrically adjusted by switches in the car (See section 5, rearview mirror adjustment switch outside the car).

A PRECAUTION

The rearview mirror outside is a convex spherical mirror, the image in the mirror feels closer to reality.

Before driving, always check that the mirror is positioned correctly and can be observed behind both in the left and right. When using mirrors, always determine the distance between the cars behind and at either side.

LCD SCREEN



This is a peripheral device, integrating 2 functions:

LCD screen

The screen is connected to other peripherals through the connection port under the dashboard, to serve the entertainment needs, watching videos on the car.

Reverse camera screen

When the car performs the shift into reverse gear, the screen will automatically switch or open to display mode to support backing up (images obtained from the reverse camera at the rear of the car).

At the driver's seat, the driver can observe images behind the rear of the car easily, the rear-end images are recognized and displayed correctly on the LCD screen via the rear-mounted camera.

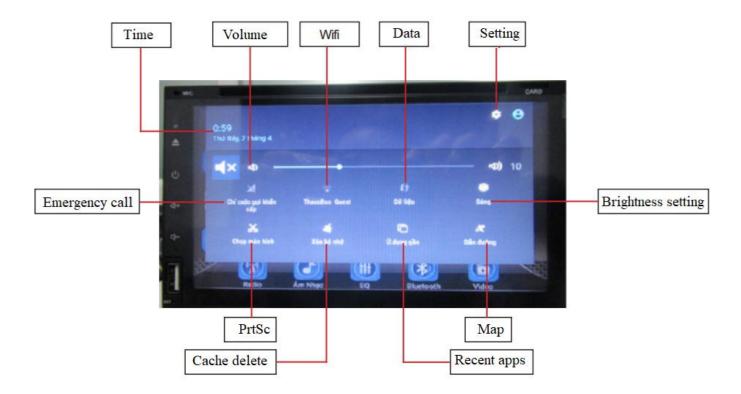
A PRECAUTION

The reverse camera can operate abnormally due to several factors (including environmental conditions). It is the responsibility of the driver to always check the rear and front areas during the backing up to avoid possible unfortunate accidents.

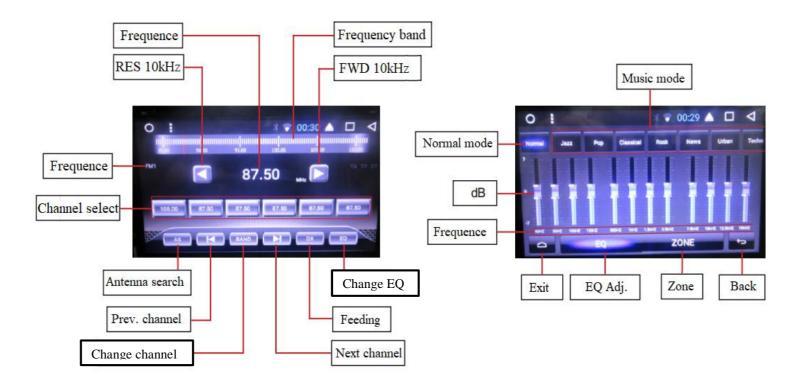
LCD SCREEN - MAIN INTERFACE

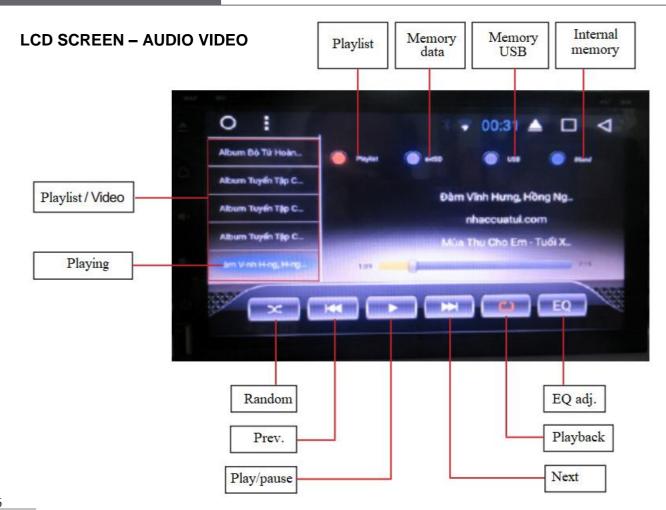


LCD SCREEN - TOOL BAR

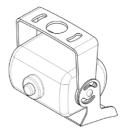


LCD SCREEN - RADIO - EQ ADJUSTING





REVERSE DIGITAL CAMERA

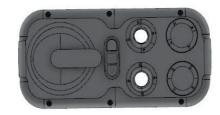


The reverse digital camera is installed behind the car (inside the back glass). At this position, the camera easily recognizes and records the image behind the car, then transmits the signal to the processor and the image will be displayed on the LCD screen on the dashboard.

* NOTE

The reverse digital camera system only detects images behind the car, ranging from 0.5 to 25 meters.

Reading lights with speakers, ventilation holes in each seat position.



These lights have a sufficient light intensity, which will be good for your eyes when reading a book on the car; there are also vent-hole on the side in order to adjust the amount of wind at the passengers' wishes by pushing the button at the seat position.

Reading lights with speakers, CEILING VENTILATION FAN



The main function is the inside ventilation of the car controlled by the switch on the dashboard. In addition to the ventilation function, ventilation holes also have the function of taking air from outside.

How to use:

Use your hand to push the handgrip at both sides of the ventilation hole upwards to open the ventilation hole.

* NOTE

Ventilation holes are always closed while the air conditioning system works to reduce fuel consumption for your own car. Always make sure the lifting mechanism is not block.

CIGARETTE BAIT



Used as a lighter to light a cigarette (using electricity on the car to convert into thermal energy).

How to use: Press the button down. After 20 seconds, pick up the button, the bait tip will turn to red.

※NOTE

In addition to the bait function, the bait button is also used as a power source to supply power to peripherals through conversion connectors.

A PRECAUTION

When the bait button is still hot and red, be careful to avoid direct contact, which can cause burns. Especially when the car moves, it will be more difficult to control.

Put the bait button in right place after use. Do not let the bait button remain hot on flammable materials, which can cause fires on the car.

Do not use the bait button while driving, which distracts the driver and causes unfortunate accidents.

EMERGENCY FIRE FIGHTING SWITCH



Emergency fire-fighting switches are arranged on the side of the sub-dashboard, on the right side of the driver.

This is the switch to activate the fire fighting system in the engine chamber.

In case of detecting a fire or explosion problem in the engine chamber, turn on the switch cover (green) and press the inside button to activate the fire fighting system.

This is a single-use switch, after using it, go to THACO's authorized service station to replace the right type of car.

ENTERTAINMENT LCD SCREEN



This is an entertainment device on your car, the car is usually equipped with an LCD screen, arranged at the position most easily observed by passengers. This device helps passengers reduce stress and fatigue throughout the journey.

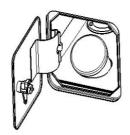
AUDIO ADJUSTMENT SYSTEM



Functions

Mixer for audio adjustment. Micro connection.

FUEL TANK DOOR AND FUEL TANK COVER.



- 1. Insert the key into the fuel tank door lock.
- 2. Turn the key counterclockwise and open the fuel tank door.
- 3. Open the fuel tank cover by turning it counterclockwise.
- 4. Pump the fuel into the tank according to standard.
- 5. Close fuel tank cover and fuel tank door with reverse operation.

PRECAUTION

Pour only fuel that has the Cetane index at the allowable level.

Do not pump fuel excessively or too full. Do not allow fuel to spill over the exterior of the car as fuel spills can damage the paint surface of the car.

If you need to replace the fuel tank cover, use genuine or equivalent THACO spare parts Using improper fuel tank cover can cause damage related to fuel vapor concentration control system.

Spilled fuel can cling to clothing and increasing the risk of explosion.

(To be continued)

(Continued)

Therefore, always open the fuel tank cover slowly. If you hear the fuel rushing out, wait until the exhaustion is complete and then open the fuel tank cover.

Always make sure that the fuel tank cover is properly installed to prevent fuel from spilling out upon collision.

A PRECAUTION

Fuel for cars is a flammable substance. When pouring fuel into the tank, please strictly follow the instructions below. Failure to follow these instructions may result in injury, fire or death:

Read and comply with fire safety warnings at fuel stations.

(To be continued)

(Continued)

Before pouring fuel, observe the location of fire fighting equipment.

Before touching the fuel pump nozzle, you need to release static electricity on the person by touching metal objects on the car or metal objects away from the fuel pump nozzle.

Do not enter the car immediately after you pump the fuel. You can create static electricity by rubbing on plastic or felt items on the car. This static electricity can create electrical sparks that burn fuel vapor. If you are required to get into the car, you should release static electricity on your body by touching metal objects on the car or away from the fuel pump nozzle.

(Continued)

(Continued)

When using a mobile fuel tank, put the fuel tank on the ground before pouring it. Static electricity on the fuel tank can cause sparks to burn fuel vapor, causing a fire. As soon as you start pouring fuel, always touch the car until the fuel pouring process ends.

Use only standard plastic fuel tanks in accordance with current regulations.

Always turn off the engine when pouring the fuel. Sparks generated from electrical equipment related to the engine can burn the fuel vapors. After the completion of pouring the fuel, check to ensure the cover and the fuel tank door are firmly closed before starting the engine.

(Continued)

(Continued)

Do not use a mobile phone while refueling. The electric current and electric field of a mobile phone can burn fuel vapor, causing a fire.

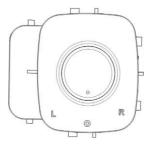
Absolutely do not use LIGHTER, MATCH, do not SMOKE while fueling or in the fuel station area because fuel used for cars is explosive.

If you get a fire when you are refueling, leave the car and immediately contact the nearest fuel station manager and fire brigade. Comply with any safety requirements at the fuel station.

CONTROL SWITCH ON THE CAR

Switch to adjust the rearview mirror outside the car	6-54
Air conditioner control	6-54
Control switch on the left dashboard.	6-55
Control switch on the right dashboard	6-56
Control switch on the transmission	6-57
Control switch lever on the left steering wheel	6-58
Control switch lever on the right steering wheel	6-61
Engine chamber control switch	6-62

SWITCH TO ADJUST THE REARVIEW MIRROR OUTSIDE THE CAR



This switch allows you to adjust the left or right rearview mirror.

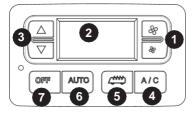
Rearview mirrors outside the car can be adjusted in any direction to get the best vision. The switch is integrated to adjust both the left and right mirrors of the vehicle (choose the mirror to be adjusted with the middle button).

⚠ PRECAUTION:

In case the mirror surface has reached the journey limit (the mirror surface can't be adjusted anymore). Do not try to adjust the mirror surface in that direction because it may damage the electric motor of the rearview mirror.

Do not adjust the rearview mirror manually, this may cause undesirable damages.

AIR CONDITIONER CONTROL

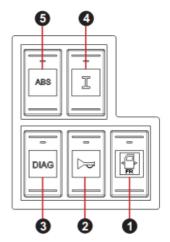


- 1. Switch to adjust the speed of cold fan.
- Display screen.
- 3. Switch to increase or decrease the temperature.
- 4. Switch to turn on / off of A/C cold mode.
- 5. Switch to turn on / off outdoor wind mode.
- Automatic on / off switch (should be used to ensure the safety of the cold system).
- 7. Switch to turn off air conditioner system.

* NOTE

When turning on the air conditioner, the engine needs an amount of compensation power to drive the compressor of the air conditioner system. When the air conditioner is turned on, the engine speed will increases, this is completely normal.

CONTROL SWITCH ON THE LEFT DASHBOARD



This switch cluster is installed on the dashboard on the left hand side of the driver. Help driver easily observe and manipulate opening or closing of electric control devices on car.

№ PRECAUTION

Before use, the driver must understand and remember the function of each switch button.

(1) Switch to close/open the passenger door



This switch is used to open and close the door when you are inside the car.

Press above the switch to open the door and press under the switch to close the door.

(2) Switches to convert air horn and electric horn



Press above the switch to turn on the air horn, press under the switch to turn on the electric horn.

(3) Engine error diagnosis switch



If pressing on the diagnosis switch, the engine inspection indicator light flashes, the engine of your car has errors to be fixed.

The number of flashing times of signal corresponds to the engine error code.

(4) Hydraulic switch



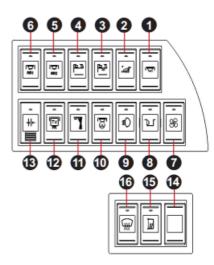
This switch is used to turn ON/OFF the Hydraulic brake system.

(5) ABS error diagnosis switch



This switch is used to diagnose errors of ABS brakes. The flashing signal corresponds to the error code in the ABS system.

CONTROL SWITCH ON THE RIGHT DASHBOARD



This switch cluster is installed on the dashboard on the right hand side of the driver. Help driver easily observe and manipulate opening or closing of electric control devices on car.

(1) Night-light switch



This switch is used to turn on / off the night light in the car.

(2) Main route switch



Pressing above the switch (in picture) the air outside the car will be sucked into the car through a ceiling fan to cool the passenger chamber.

Press under the switch to turn off the ceiling ventilation function.

(3) Switch for luggage rack lamp



This switch is used to turn on / off the luggage braket lights

(4) Luggage tunnel light switch



This switch is to turn on / off the system of lights in the luggage tunnel.

(5) Ceiling light switch 1



This switch is used to turn on / off the ceiling lights in the passenger chamber in the middle. Press above the switch to turn on the light and press under the switch to turn off the light.

(6) Ceiling light switch 2



This switch is used to turn on / off the ceiling lights in the passenger chamber in the middle. Press above the switch to turn on the light and press under the switch to turn off the light.

(7) Ceiling ventilation fan switch



Pressing above the switch (in picture) the air outside the car will be sucked into the car through a ceiling fan to cool the passenger chamber.

Press under the switch to turn off the ceiling ventilation function.

(8) Luggage tunnel light switch

This is the switch to turn on / off the system of lights in



(9) Front bumper switch



To turn on the front bumper light, just press above the switch (pictured below). To turn off the light, just press under the switch.

(10) Driver light switch



Turn on the light in the driving chamber by pressing above the switch (in picture). Press under the switch to turn off the light.

(11)Curtain light switch



This switch is used to turn on / off curtain light.

(12) Entertainment device switch



This is the switch to turn on / off the audio system, the screen on the car.

(13) Power switch



This switch is used to turn on / off the power of all the car

(14)Spare switch



This position shall be used to install another functioning switch in the future.

(15) Rearview mirror drying ___switch



Press and hold above the switch (in picture) of the rear-view mirror drying system to work

(16) Windshield heating switch



This is the switch to clean the moisture on the windshield.

AUTOMATIC TRANSMISSION SWITCH



Vehicles use automatic transmission with 6 progressive and 1 reverse gear. You can only select the starting gear when you start moving the vehicle. Make sure the engine revs are above 600 rpm

Make a start gear: when choosing a gear, step on the brake pedal. Press the number selector button you choose as the starting gear.

When you want to change the starting gear, it is necessary to pedal all the brakes and switch to the "N" intermediate before re-selecting the new number.

Selecting gear when the vehicle moves forward:

You just need to press the "D" key. Based on the speed and load, the system will automatically select a suitable gear.

Reverse gear selection:

Make sure the vehicle stationary before selecting the reverse gear. When choosing a reverse gear, step on the brake pedal. Convert the current gear to "N". Press the "R" button, when the light on the "R" button is ON, you have successfully shifted the gear.

WARNING:

When selecting a gear if you see the number on the number pad blinking, this means you have not selected a successful number, check the number of engine revolutions and make sure you have stepped off the brake pedal.

Do not select a gear when the vehicle is running, this can be very dangerous

CONTROL SWITCH LEVER OF THE LEFT STEERING WHEEL LIGHT SWITCH



This is a 5-function switch:

- 1. Parking light (position light)
- 2. High beam / Low beam
- 3. High beam blinker light
- 4. Turning signal light
- 5. Hazard light

PRECAUTION

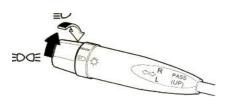
Do not load or hang anything on the control lever to ensure best control of the the automatic light system.

Do not pull the lever too hard or exceed the limit, which may cause the lever to bend or break

POSITION OF PARKING

How to use:

Turn the switch from the position of OFF (1) to the position of the parking light (2), the tail light, the side light, the license plate light and the dashboard light will be on.



NOTES:

When parking on a roadside or area where other people and vehicles move, the driver needs to turn on the parking light to warn other vehicles.

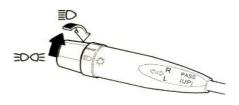
Position of remote blinker headlamp

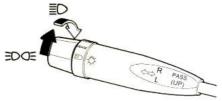


From the position of turning on the parking light (2) turn the switch to the position of remote — near projection light (3). Next:

Turn on the near projection light

Push the integrated switch lever to the bottom, then the near projection light will be on and the indicator light on the indicator board will be on.





Turn on the remote projection light

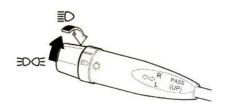
Push the integrated switch lever to the top, then the remote projection light will illuminate and the indicator light on the indicator board will be on.

* NOTE

To prevent the battery from running out of power, do not turn on the light remote / near projection light for long when the engine is not working.

№ PRECAUTION

Do not turn on the remote projection light when there is a vehicle in the opposite direction, which may limit the visibility of the opposite driver.

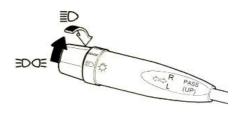


To blink the light for passing ahead. Pull the switch lever upwards and the remote projection light will flash. The switch lever will automatically return to the old position after releasing the switch.

* NOTE

There is no need to turn on the remote/near light switch to use this function.

Position of turning signal light switch



The electric lock must be in the ON position when using this function.

Position of left turning light switch

Pull the integrated switch lever to the rear, the left turning light in front of and behind the car will flash, and the left turn turning light on the dashboard will also flash to indicate the system for passing ahead.

Position of right turning light switch

Push the integrated switch lever to the front, the right turning light in front of and behind the car will flash, and the right turn turning light on the dashboard will also flash to indicate the system for passing ahead.

After exiting the curve roads or asking for passing ahead, pull the integrated switch lever to the intermediate position to turn off the turning signal

A PRECAUTION

Turning signal light are important when driving on the road, make sure the turning signal lights on your car are always working properly.

If the turning signal light flashes too fast, too slowly or is on but does not flash, it may be due to poor contact with the wires. Check the fuses or contact the nearest authorized service station for inspection and repair.

Position of danger light switch



The danger light is the red button at the bottom of the control lever

The danger lights must be used whenever you feel necessary to stop in a dangerous position. When you need to make an emergency stop, always take the car to the curb at safe locations.

Danger lights are turned on by pressing the danger signal switch. All turning signal lights will flash. The danger lights will work even when the key is not plugged into the lock.

To turn off the danger light, press the danger signal switch again.

CONTROL SWITCH LEVER ON THE RIGHT STEERING WHEEL



This is a 3-function switch:

- 1. Windshield wiper.
- 2. Windshield sprayer.
- 3. Discharge brake.

* NOTE

To use this switch, the power switch must be turned on.

Position of HYDRAULIC brake lever – 4 MODES



Manual hydraulic brake lever modes:

OFF: Brake power is not active.

Mode 1: Braking force up to 25%

Mode 2: Braking force up to 50%

Mode 3: Braking force up to 75%

Mode 4: Braking force up to 100%

(Details in section 4 - Hydraulic brake system)

Position of windshield wiper switch



Turn the windshield wiper switch to the selected mode, with 3 positions:

INT: Interrupted wiping.

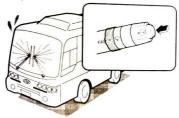
LO: Slow wiping. **HI**: Quick wiping.

PRECAUTION

To avoid damage to the wiping lever or windshield, do not let the lever operate when the windshield is dry.

To avoid damage to the wiping blade, do not use gasoline, kerosene, paint or other solvents to clean the blades.

Position of windshield sprayer switch

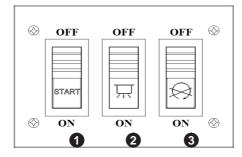


To use the windshield wiper system, press the switch button at the end of the wiper switch lever. When the switch is pressed, the wiping lever will automatically slide back and forth 2 times on the windshield. Windshield washing mode continues to operate when you press and hold the switch.

PRECAUTION

Do not press the glass sprayer button if the water in the tank runs out. It may damage the water pump motor. Do not operate the sprayer switch button for more than 15 seconds at a time.

ENGINE CHAMBER SWITCH



1. Engine startup switch START

Press START startup switch to start engine from engine chamber.

* NOTE

Be sure to shift the gear to the N position. Do not use the startup switch without checking the engine. Note to pull the handbrake to ensure safety.

2. Engine Chamber Light Switch

This switch is used to turn on / off the light in the engine chamber. Press under the switch to turn on the light, and press above the switch to turn off the light.

3. Engine stop switch "STOP"

When you want to stop the engine, just press u der the "STOP" switch in the engine chamber.

In addition to the feature used to turn off the engine, this switch also has the function to prevent startup. To ensure safety, turn on this switch before working in the engine chamber and under the chassis.

To turn off the switch, press above the STOP switch.

* NOTE

Always turn on the "STOP" switch when operating in the engine chamber and turn off when the operation is complete.

VEHICLE CONTROL

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A PRECAUTION - Engine exhaust may cause danger!

Engine exhaust gas can be extremely dangerous. If you smell exhaust gas in the car at any time, open the window immediately.

Do not breathe exhaust gas. The exhaust gas contains carbon monoxide, colorless, odorless can cause unconsciousness and suffocation.

Make sure the exhaust system does not leak. The exhaust system should be checked whenever the vehicle is lifted for oil change or for other reasons. If you hear a change in the noise of the exhaust or you hear a low noise under the chassis of the car while driving, you should check the exhaust system as soon as possible by an authorized service agent of THACO.

Do not start the engine in an area with no ventilation. In order for the engine to load idle mode in your garage, even the garage door in opening state is dangerous. Never start the engine in your garage for longer than the time required to start the car and back up.

Avoid idling the engine for long periods of time while there is human in the car. If it is necessary to start the engine in idling state for a long time while there is human in the car, then make sure to set the air intake mode to the "FRESH" position and the fan work at the highest speed to bring the outside air to go into the car.

BEFORE DRIVING

Before entering the car

- Make sure the door glass, rearview mirrors outside and lights outside are clean.
- · Check the condition of the tires.
- Check whether the bottom of the vehicle shows any signs of leakage or not.
- Make sure there are no obstacles behind you if you intend to back up.

Necessary tests

Liquid ink: such as engine lubricant, engine coolant, glass wash fluid should be checked periodically at regular intervals depending on the liquid type. For more details, see section 9 "Maintenance".

A PRECAUTION

Always check whether there have people around your car or not, especially children before shifting and moving cars.

Before startup

- Close and lock all doors.
- Driver seat position ensures easy operation of all controllers.
- Adjust rearview mirrors inside and outside the car.
- Make sure all lights work.
- · Check all alarm clocks.
- Check the operation of the warning lights when the engine switch is turned to ON.
- Release the handbrake and make sure the brake light is off.

To operate safely, make sure you are familiar with the car and its equipment.

A PRECAUTION

Inattention when driving is the cause of loss of control, resulting in an accident, causing serious injury or death. The driver has the main responsibility to keep safe and obey the rules when driving a car.

Using handheld devices, mobile phones or other devices while driving will cause distraction. This is a violation of regulations when participating in traffic and serious traffic accidents may occur.

A PRECAUTION

Driving under the influence of alcohol and drugs.

Drinking alcohol & beer while driving is dangerous. Drunk while driving is the # 1 factor in the annual list of deaths on highway. Even a small amount of alcohol in the body will affect your reflexes, cognitive abilities and handling.

Driving under drug effects are dangerous, even more dangerous than drinking alcohol. You are more likely to experience serious accidents if you drink alcohol, beer or take drugs while driving.

If you are drinking alcohol or taking drugs, do not drive. Do not go with drivers drinking alcohol or taking drugs. Choose a driver who doesn't drink alcohol or call a taxi.

ELECTRIC KEY SWITCH



Engine switch position LOCK

Lock steering wheel to prevent theft. The switch key can only be removed at the LOCK position. To turn the engine switch to the locked position, press the key in the ACC position and turn the key to the LOCK position.



ACC (Sub-device)

Unlocked steering wheel and subelectrical device can work.

* NOTE

If there is difficulty turning the key to the ACC position, while turning the switch key, turn the steering wheel to the left and right to release the lock tension.

ON

Warning lights can be checked before the engine is started. That is the normal running position after the engine is started.

Do not let the engine switch lock turn ON if the engine does not start to avoid the discharge of battery.

START

Turn the engine switch to START position to start the engine. The engine will rotate until you release the key, it will return to the ON position. Brake indicator lights can be checked in this position.

PRECAUTION – Engine switch

Never turn the engine switch to LOCK or ACC position when the car is running. Doing so will cause the car to lose control of the steering and braking, which may cause an accident.

Anti-theft steering wheel lock does not replace handbrake. Before leaving the driver's seat, always make sure to pull off the handbrake and the engine has completely shut down. Unexpected gearshifts can occur if the above precautions are not taken.

(Continued)

(to be continued)

Do not attempt to reach the engine switch or other control button through the steering wheel while the car is running. This may result in loss of control of the car, accident and serious injury.

Do not place anything that can move around the driver's seat because they can move while the car is running, affecting driving and leading to an accident.

START THE ENGINE

A PRECAUTION

Always wear appropriate shoes when driving a car. Inappropriate shoes (high soles, ski shoes, etc.) may affect the ability to use the brake pedal, accelerator pedal.

- 1. Make sure the parking brake (handbrake) is set.
- 2. Switch the gear to the N middle position on the control panel before starting the engine.
- 3. Turn the engine switch to the START position and hold until the engine starts (up to about 10 seconds), then release the key.
- 4. Under low temperature (below 18 ° C / 0 ° F) or the car has not worked for a while, allow the engine to heat up the engine by idling the engine, not start accelerator pedal.

Regardless of the engine is hot or cold, do not start the accelerator pedal upon startup.

⚠ PRECAUTION

Do not start the engine for more than 10 seconds. If the engine is turned off or does not start, wait about 5 to 10 seconds before restarting, improper use may damage the booting machine.

Do not apply high and sudden acceleration after startup. If the engine is still cool, allow the engine to idle for a few minutes before driving to ensure the booster system is fully lubricated.

A PRECAUTION

Make sure not to turn off the battery relay switch in the "OFF" position when the engine is running, it will be dangerous for electrical device system.

A PRECAUTION

When you intend to stop or park your car with the working engine, be careful not to press the accelerator pedal for a long time. It can increase engine heat, exhaust system and cause fire.

When you brake suddenly, or unexpectedly drive, unassembled objects on the car may fall off and affect the operation of the pedals, this will cause an accident. Fix the objects on the car.

If you are not concentrated when driving, this may cause an accident. Be careful when controlling distracting systems such as adjusting sound, air conditioner. The main responsibility of the driver is to always drive safely.

FUEL-SAVING DRIVING

Note the operating methods to save fuel, extend tire life and fully implement other necessary features, ensure savings when driving following the following guidelines:

- 1. Avoid sudden driving, unexpected acceleration, sudden increase in speed or sudden braking unless necessary.
- 2 When starting the acceleration, make sure to enter the gear.
- 3. Do not drive at too high or too low speed for a long time.
- 4. When accelerating, try to keep the gear shift from low to high.
- 5. Check the appropriate coolant temperature from 75 to 90 °C when the car is running.
- 6. Maintain proper tire pressure when driving.

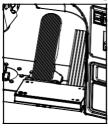
CORRECT BRAKING

Before driving, check and make sure the handbrake has been released and the handbrake indicator light is off.

Driving through deep water or after washing the car may cause the brakes to get wet. And this is very dangerous.

Always use the brake to slow down.

Normal braking



Step on the brake pedal about 1/2 journey ahead of the point you want to stop the car about 25m to 35m ahead.

Before stopping at about 5 to 6 meters ahead, slowly step on the brake pedal lightly. After approaching the stop point, gently step on the brake pedal to stop the car. Operation above will help the car to stop smoothly. Do not jerk the car.

Braking distance

- The most important problem when the car is running at high speed is braking. It will take at least one to two brake pedaling times to stop the car at the position you want to stop.
- Therefore, always keep a safe distance depending on road conditions and running speed.

Passing ahead

When passing ahead, keep a minimum speed of 10km / h above the front vehicle speed.

Note the following points:

When the brakes provide braking force, it is not necessary to pedal all the brakes, except in an emergency. Gently step on the brake pedal to minimize shock when stopping.

Do not step on the brakes continuously, resulting in temporary loss of compressed air pressure and make the car continue to move. Try to stop the car by stepping on the brake pedal once.

Sudden braking

In an emergency, step on the brake pedal fully. Take care because of a sharp jerk when stopping the car.

PRECAUTION

The consequence of sudden braking is to make tires, brake discs, brake pads wear out quickly and other devices will reduce their lifespan. Avoid sudden braking except in an emergency.

Startup	and o	peration
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BEFORE GOING UPHILL

Before going uphill, you should switch to a low gear to avoid engine overloading.

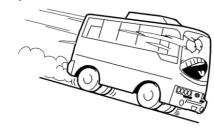


PRECAUTION

- Note when operating, avoid the engine operating at too high rotation speed. The phenomenon of engine operating at high number of revolutions often occurs when going downhill or moving to a lower gear.
- The number of engine revolutions is too high when the engine rotates faster than the maximum rotation speed of the wheel.

BEFORE GOING DOWNHILL

When going downhill, maintain speed close to the maximum torque of the engine.



PRECAUTION

When turning left or right, note that the turning radius of the rear wheel is smaller than the front one. Observe the roadside when turning.

Observe obstacles and keep a safe distance from traffic vehicles.

CURVE ROAD

Before entering the curve road, reduce the speed.



⚠ PRECAUTION

When turning left or right, note that the turning radius of the rear wheel is smaller than the front one. Observe the roadside when turning.

Observe obstacles and keep a safe distance from traffic vehicles.

STOP AND PARKING



- When the engine gets too hot, *
 stop the car and let the engine
 idle for a certain period of time
 until the engine coolant
 temperature drops.
- Then switch to 0 and pull the handbrake lever, turn off the • electric key in the "STOP" position and unplug the key.
- When parking the car on a slope, place a warning flag and insert * the wheel.
- Unplug the key from the lock.



HOW TO TURN OFF THE ENGINE.

- Allow the engine to idle for about 3 minutes to reduce the engine coolant temperature. Then turn off the engine. If the engine is turned off immediately, it may cause damage to the engine.
- Turn the electric key to the "STOP" position to turn off the engine and then switch back to the "LOCK" position.

Press the power switch again.

SAFE DRIVING

- Never return to zero when the car is downhill. This is extremely dangerous.
 Always drive in a condition having gear.
- •Do not press on the brake pedal when the car is running. This can cause the brake pads and brake drum to overheat and damage. When you drive down a long slope, you should slow down, use electromagnetic brakes and switch to low gear. When you do so, the engine and electromagnetic brake will keep the car running slowly.
- Slow down before moving to a slow-speed gear handle. This helps to avoid overspeed engine that can lead to damage.
- Slow down when you encounter horizontal wind. This helps you control the car better.
- •Make sure the car stops completely before you shift to reverse gear, the gearbox may be damaged if you do not do so. To change the reverse gear, shift the gear to N, then switch to the reverse gear (R).

- When exercising driving, the driver must be very attentive when on a slippery road surface. Be especially careful when braking, accelerating or shifting. On slippery road surfaces, sudden changes in speed can make wheels lose adhesive force and go out of control.
- Keep the car running at the allowed speed of each road, always control the speed of the car and ensure safety for passengers.
- When running at night the driver must be very careful and alert to observe and control the car

A PRECAUTION

Always fasten your seat belt! When a collision occurs, a person who does not install a seat belt is more likely to suffer serious injury or death than someone who has a secure seat belt installed.

A

PRECAUTION

Avoid running at high speed when turning.

Do not make the steering wheel move quickly like sudden change of road or sudden turn.

The risk of a somersault is very high if you lose control of the car at a high speed running against the wind direction.

The loss of control is more likely to occur if two or more wheels leave the road surface and the driver lost control when re-entering the road surface.

In case your car runs off the lane, do not turn the steering wheel suddenly. Instead, slow down before letting the car back to the right lane.

Never run past the specified speed limit.

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EMERGENCY WHILE DRIVING

If the engine turns off at a T- If the tire is under-inflated junction.

If the engine turns off at a T-junction, set the gear to N position, press the danger switch and try to move the car to a safe position.

Use the danger notice light switch



The danger notice lights must be used whenever you feel necessary to stop in a dangerous position.

while driving

- 1. Release the accelerator pedal and keep the car running slowly. Do not step on the brake pedal immediately or try to drive the car to the curb because it may cause the car to lose control. When the car has slowed down, drive the car to the curb and brake slowly to stop the car completely to a safe position. If you are driving on a highway, do not park in the area between two lanes.
- 2. When stopping the car, turn off the engine and turn on the danger light, pull the handbrake and switch to the N gear.
- 3. Take everyone out of the car, avoid as far from the traffic road as possible.

If the engine is turned off when the car is running

- 1. Reduce the car speed slowly, keep the steering wheel straight. Move the car to a safe location on the road
- 2. Turn on the danger light switch.
- 3. Restart the engine. If the engine cannot start, contact THACO's authorized service station for assistance.

IN CASE OF ENGINE'S START FAILURE

If the engine does not rotate or rotate slowly

- 1. Check the battery poles, make sure it is clean and not oxidized.
- Turn on the ceiling light. If the light is dimmed upon starting off, it means the battery is out of power.
- 3. Check the poles connected to the starter machine to ensure it is tightened.
- 4. Do not push or pull the car to start the engine. See also "battery connection instructions".

A PRECAUTION

If the engine does not start, do not pull or push the car to start the engine. This may damage the vehicle's transmitting apparatus or cause an accident.

If the engine rotates normally but cannot start

- 1. Check fuel.
- Turn off the electric lock at LOCK / OFF position, check the electrical jacks and wires. Reconnect the jack if there is a loose sign.
- 3. If you still cannot start the engine, call THACO's authorized service station for assistance.

A PRECAUTION

While the engine is running, keep your hands, hair and clothing away from rotating parts such as propellers, belts to prevent injury.

IN CASE OF ENGINE IS OVERHEAT

If the coolant temperature meter has warning, the car loses power or hears an unusual knock on the engine, it indicates the engine is too hot. If there are such phenomena, do the following:

- 1. Put the car in the curb and park in a safe place.
- Shift the gear to the intermediate position (N), pull the handbrake and turn off the engine.
- Do not open the truck cover in case the coolant is flowing under the chassis or densely flying under the trunk cover until the water runs out or evaporates.
- 4. If there is no indication that the engine loses the coolant. Check the pump drive belt. If the belt is not broken and falls off the driving pulley, check the tension of the rope and make sure it is good. If the belt is in good installation, check the leakage of coolant at the pipe fitting locations.

- If the pump drive belt is broken or the coolant pipe is broken, turn off the engine and immediately contact THACO's authorized service station for assistance.
- If you do not find the cause of overheating engine, wait until the engine temperature returns to normal. Then, check the coolant level in the tank and in the extra tank, add enough standard water if necessary.
- Perform careful inspection, pay attention to the heating elements. If the device is too hot again, contact THACO's authorized service station for assistance.

A PRECAUTION

Do not remove the radiator cover when the engine is hot. This can cause hot water to spill out and cause burns.

Serious lack of coolant means that the cooling system leaks. It is necessary to bring the car immediately to THACO's authorized service station for inspection.

SPARE TIRE AND REPAIR TOOLS

Spare tire



- 1. Remove the two spare tire lock nuts at the bottom.
- Shocking the locking pin (1) so that the front bumper and the trim panel automatically open. Use the handwheel (2) to insert into the hole of the spare tire hanger and rotate in the counterclockwise direction to lower the tire.
- To mount and raise the spare tire, place the convex face on the top, place the tire support on the tire rim, and turn the handle clockwise to lift the spare tire.

* NOTE

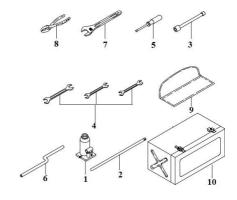
When lifting the tire, check and make sure the chain is not twisted and the support pad is not skewed.

- After the spare tire touches the fixed part of the hanger, hold the crank firmly. Then slowly pull out the crank, and check the tire hanger to ensure not to turn back.
- Check and make sure the tire is in a safe and secure position. Then use 2 ECUs to lock the spare tire (be sure to tighten the ECU against self-loosening).

PRECAUTION

If the spare tire cannot be securely hung, absolutely do not operate the car. Please contact the nearest THACO authorized service station for advice and assistance.

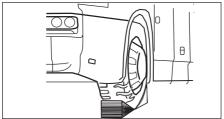
Repair tools



- 1. Hydraulic valve lifter
- 2. Trigger handle
- 3. Tire removing socket
- 4. Spanner
- 5. Screwdriver
- 6. Crank for spare tire
- 7. Wrench
- 8. Plier
- 9. Tool bag
- 10.Tool box

Change the tire

 Lower spare tires and prepare tools: take the valve lifter, trigger handle and tool bags out of the tool box.

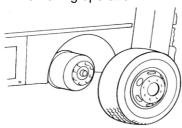


- 2. Insert opposite wheels diagonal to the wheels to be removed to keep the car from rolling when the car is lifted up.
- 3. Loosen the wheel nuts.





- Place the hydraulic valve lifter near the tire position to be replaced under the wheel axle, lift the axle so that the wheel is off the road.
- 2. Loosen the bolt to remove the wheel.
- Assemble the wheel to be replaced, the assembly is reversed in comparison with the removing operation.



Tire pressure

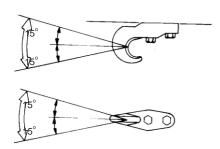
Low tire pressure can cause tires to overheat and tire burn. High air pressure will reduce serious tire life. When changing or pumping tires, be careful to adjust tire air pressure according to the standard specifications.

Adjusting tire air pressure

- Only adjust tire air pressure when the tire has cooled completely after running.
- With double tire, make sure there
 is no difference in steam
 pressure between the two tires.
 In a pair of tires if there is a
 difference, tires with higher
 pressure will wear out and
 deteriorate faster than tires with
 low pressure.
- During operation, the tire air pressure will increase as the tire is hot. When the pressure increases during operation, it is not an unusual problem, no need to reduce the air pressure.

PULLING THE CAR

When using a tow hook, note the following issues:



Make sure the pulling angle is not too limited as shown. Make sure not to pull the hook abruptly.

When your car is towed, note the following points:

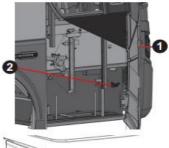
Use a firm pulling rope and fasten the rope with the hook so that the rope does not come out.

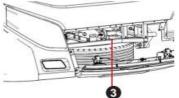
Do not turn off the engine and need to allow the engine to operate, providing compressed air to the brakes.

Front tow hook:

To fix the pulling rope to the tow hook you need to follow the steps below:

- 1. Open the driver's side door (1).
- 2. Hitch the lock (2) to prevent the center front bumper from opening automatically.
- 3. Fix the pulling rope to the tow hook
- (3). After use, proceed to close the center front bumper as the original position.

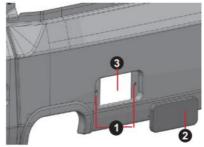




Rear tow hook:

To fix the pulling rope to the towing hook on the back of the car, follow the steps below:

- 1. Open 2 M6 nuts (1) in the picture below.
- 2. Remove the tow hook cover (2) out.
- 3. Fix the rope to the tow hook (3). After use, reverse the above steps.



NOTE: Try to pull the car in a straight line.

A PRECAUTION

When pulling, the fixation of the rope is very important. If you cannot fix the rope or do not have a proper rope you should call the professional rescue team to ensure safety.

Avoid pulling under the shocking or turning status to limit the impact load on the tow hook and tow cable. This will cause breakage, broken cable or towing hook and cause serious accident.

If the car is broken, it cannot be moved, do not try to use force to pull. Please contact THACO's authorized service station or professional rescue team for assistance.

Only fix the rope to the tow hook, do not fix the rope to other positions on the car. This is extremely dangerous.

TASKS TO DO DAMAGES

If any parts of the car have trouble operating, keep calm and gradually slow down, pay attention to the vehicles behind and stop the car safely.

- Turn on the "ON" danger light switch to turn on the warning light. At the same time, put a warning flag or red light to alert the car under trouble. Without warning, it is very dangerous because other vehicles may collide with your car.
- Note to insert wheels.
- Check if the parts are troubling. If you can handle it yourself, first ensure your safety and for others.
- If you cannot handle it yourself, contact the nearest authorized service station.

EMERGENCY TOOLS:

There are some essential support tools to help you in emergencies.

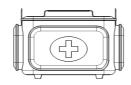
Fire extinguisher

(For details, see section 3, fire extinguisher.)



First aid kit

First aid kit is a place to store necessary medical items such as scissors, bandages, personal bandages, etc., to help first aid in case someone gets injured on your car.



Escape hammer



Escape hammers are arranged in windows to smash window glass to escape in an emergency.

* NOTE

Absolutely do not use the emergency hammer at any other purpose.

Check the tire pressure

The tire is under-inflated after a period of use and requires additional pumping. This is not a punctured tire, but it can cause the tire to wear out. Check the tire pressure when cooling because the pressure may increase when the tire is hot.

To check the pressure, follow these steps:

- 1. Remove the steam valve cover.
- Press and hold the pressure meter on the air valve. The air may be leaked out a little when you press the meter. It will get worse if you don't hold on.
- 3. The air in the tire will cause the meter pointer to move.
- Read the pressure indicator number on the meter to know if the pressure is higher or lower than the standard.
- 5. Adjust tire pressure according to standard. See the "tires and wheels" section in chapter 8.
- 6. Re-assemble the air valve cover.

MAINTENANCE

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MAINTENANCE SERVICE

You need to be very careful to prevent damage to your car as well as injure yourself when performing car inspection and maintenance procedures.

If you do not really believe in your ability to inspect and maintain your car, we recommend you take your car to THACO's authorized service station to perform the above task.

THACO's authorized service station has trained technicians and genuine spare parts for proper maintenance of your car. Please take the car to THACO's authorized service station for professional advice and maintenance.

Incorrect, incomplete or irregular maintenance will lead to technical problems that may damage the car, cause an accident or serious injury.

RESPONSIBILITY OF CAR OWNER NOTES TO MAINTENANCE

* NOTE

Car maintenance and record keeping are the responsibility of the owner.

You need to keep documents to prove that your car has been properly maintained and in accordance with the periodic maintenance schedule printed on the following pages of this section. You need to keep a record and comply with the regular schedule to enjoy the warranty policy.

Information about warranty limitations is printed in the "Warranty Book". Note that repairs or adjustments arising from improper maintenance or non-maintenance will not be covered by the warranty policy.

We recommend that you take the car to THACO's authorized service station to perform maintenance. THACO's authorized service station achieves high standards of THACO's service quality and gets technical support, this will provide you with the best quality service to satisfy customers.

Improper and inadequate maintenance may cause technical problems. This section will provide instructions for easy maintenance items.

As explained above, some maintenance procedures must be performed at THA-CO's authorized service stations with specialized tools.

* NOTE

Incorrect maintenance of the owner during the warranty period may affect warranty conditions. For more details, read the "Warranty book" provided for your car. If you are not sure about the routine maintenance procedures, take the car to THACO's authorized service station to be carried out.

A PRECAUTION – Maintenance work

Working in the engine chamber while the engine is running is dangerous. This is even more dangerous when you wear untidy jewelry or costumes. It can wrap into moving parts that cause injury. Therefore, if you are required to let the engine work when working in the engine chamber, be sure to remove the jewelry (especially rings, earrings, necklaces. watches ...), collar tie, tie, scarf and other loose clothing before getting close to the engine or cooling fan.

(Continued)

(To be continued)

Performing maintenance work can be dangerous. You may be seriously injured while performing some maintenance works. If you are not equipped with sufficient knowledge. experience, lack of tools, please take vour car to THACO's authorized service station perform to maintenance.

MAINTENANCE SHEDULE FOR CAR OWNER

Before starting the car

- Check engine lubricant level.
- Check the coolant level in the subtank.
- Check the glass washing fluid level.
- Check for leaky or under-inflated tires.
- Check the status of the water tank and hot unit of air conditioner.
- Check the front of the tank and the hot unit whether there have leaves, garbage or insects sticking to it or not, remove and clean the water tank and hot unit.
- If you are unsure of cleaning those items, take them to THACO's authorized service station.

A PRECAUTION

Be careful when checking coolant while the engine is hot. Hot water or hot steam can be emitted due to high pressure, causing burnt or

While driving the car

- Pay attention to the change of sound and the smell of exhaust entering the car.
- Check the steering wheel is vibrating. Pay attention to any phenomenon of heavy, light status, change steering when running straight.
- Pay attention to the floss of the steering wheel to either side when driving on a flat road.
- When braking, listen and check for abnormal sounds, the phenomenon of car slipping to either side due to the braking deflection, hard brake pedal, deeper brakes are and the brakes are hard to press normally.
- If the gearbox slips or has an abnormal signal when shifting the gear, check the gearbox lubricant.
- · Check the handbrake.
- Check if lubricant is leaking under the car chassis (water from the air conditioner system flowing under the chassis during and after turning on the air conditioner is normal).

Once a month

- Check the coolant in the sub-water tank.
- Check the operation of lights outside the car including brake lights, passing lights and danger lights.
- Check the pressure of all tires, including spare tire.

Every six months (in spring and autumn)

- Check the water tank, hot unit and air conditioning system pipes to ensure no leaks and damage.
- Check the glass sprayer and the wiper. Wipe the wiper brush with a clean, soft cloth moistened with water.
- · Check the headlights.
- Check muffler, exhaust pipe.
- Check the activity and the frayed state of the seatbelt for shoulder & hips.
- Check tire wear and tighten nuts.

Once a year

- Clean the car body.
- Lubricate the door hinges, trunk and tunnel hinges and luggage tunnels.
- Lubricate the door rubber gasket.
- Check the air conditioning system.
- Check steering power steering oil.
- Clean the battery poles.
- Check the brake lubricant.

Cycle x 1.000km	1~2	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
or (month)	(1)					(3)					(6)					(9)					(12)
Engine																					
Engine lubricant	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2. Engine lubricant filter	R		R		R		R		R		R		R		R		R		R		R
3.Raw fuel filter, water separator			R		R		R		R		R		R		R		R		R		R
4. Fine fuel filter					R				R				R				R				R
5. Engine wind filter	С		С		С		С		R		С		С		С		R		С		С
6.Fuel supply pump filter						С					С					С					С
7. Engine status	- 1	- 1	Ι	- 1	- 1	I	- 1	- 1	Ι	I	- 1	1	1	I	- 1	- 1	1	- 1	- 1	I	I
8.Bolts, suction header pipe nuts, engine leg bolts	ı										Т										Т
9. Valve gap	Α								Α								Α				
10. Compression pressure											ı										I
11. Nozzle				I			I			I			I			I			I		
12. Spraying time				I			ı			I			- 1			I			- 1		
13. Turbocharger											I										I
14. Belt	1	I	I	I	I	I	ı	- 1	I	I	I	I	- 1	I	I	I	I	I	- 1	ı	I
15. Coolant									R								R				

Cycle x 1.000km	1~2	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
or (month)	(1)					(3)					(6)					(9)					(12)
Transmission coefficient																					
16. Gearbox lubricant	- 1		1		1		-		I		- 1		R		1		I		1		I
17.Cardan shaft central bearing	I				L				L				L				L				L
18. Motion joint ball bearing	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
19. Back axle lubricant	- 1				I				R				I				R				
20.Lubricant for wheel hub ball bearing	I				ı				R				I				R				
21.Front wheel ball bearing					I				I				I				I				
22.Rear wheel ball bearing	Т	Т	Т	Т	Т	Т	Т	T	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	T	Т
23.Wheel bolt nut	I			Т			Т			Т			Т			Т			Т		
24. Cardan shaft bolt	Т			Т			Т			Т			Т			Т			Т		
25. Central bearing bolt of Cardan shaft	I	I	ı	1	ı	ı	I	I	ı	1	ı	I	1	I	ı	ı	1	ı	ı	1	ı
26. Disc wheel	I	I	1	I	1	I	- 1	- 1	1	I	I	1	1	I	1	I	I	1	1	1	ı
27. Tire	I	I	1	I	I	I	I	I	I	I	I	ı	ı	I	I	I	I	I	I	I	Ι

Cycle x 1.000km	1~2	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
or (month)	(1)					(3)					(6)					(9)					(12)
28. Tire air pressure	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α	Α
29. Tire conversion					Re				Re				Re				Re				Re
Steering system																					
30. Power steering lubricant	- 1	Ι	Ι	Ι	I	I	1	I	R	I	-	ı	I	1	I	1	R	1	1	I	- 1
31. Steering wheel shaft	- 1	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
32. Vertical tow bar	- 1	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
33. Steering wheel	- 1	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
34. Steering system	I	1	I	1	I	I	I	I	I	I	I	I	I	I	I	I	I	- 1	1	I	I
35.Front wheel corners				I			I			I			I			ı			I		
36. Power steering lubricant pipe	- 1		I		I		I		R		I		I		I		R		I		I
37.Shaft sleeve for slide bar ball coupling	I		ı	I	I	1	ı	I	R	ı	ı	ı	I	I	I	I	R	1	I	Ţ	I
Brake system																					
38. Compressed air pressure	I	ı	ı	ı	ı	I	ı	ı	ı	I	ı	ı	I	ı	I	ı		1	1		ı
39. Brake system	- 1	1	I	1	I	- 1	ı	ı	1	1	ı	ı	1	1	1	1	I	1	1	I	ı
40.Brake pads and brake discs gap				Α			Α			Α			Α			Α			Α		
41. Handbrake	I	1	1	1	I	- 1	1	1	1	1	I	I	1	1	1	- 1	1	I	1	1	I
42. Vacuum check valve				ı			ı			ı			ı			1			1		
43. Brake discs and brake pads				I			I			I			1			1			1		

Cycle x 1.000km	1~2	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
or (month)	(1)					(3)					(6)					(9)					(12)
44. Compressed air pipe										R:	Every 2	24 mon	ths								
45.Rubber details and seals										R:	Every	12 mon	ths								
Suspension system																					
46. Steam tank	I	- 1	- 1	- 1	1	1	- 1	I	I	-	1	- 1	I	- 1	-	1	1	I	1	1	- 1
47.The balance bars	I	-1	-1	I	- 1	- 1	- 1	- 1	- 1	- 1	1	-1	-	- 1	- 1	1	- 1	- 1	I	I	I
48. Shock absorber pipe	I	1	I	I	I	I	I	I	Ţ	I	I	I	Ţ	I	I	I	I	I	ı	ı	- 1
Electrical system									•												
49. Battery	I	1	I	I	I	ı	ı	ı	I	I	ı	I	I	ı	I	ı	ı	ı	ı	ı	- 1
50.Lighting systems	I	- 1	I	ı	I	ı	I	ı	R	-	I	I	ı	I	Ι	ı	R	ı	ı	ı	1
51. Relay-fuse box	I	- 1	I	I	I	1	I	I	I	I	I	I	I	I	I	I	1	I	I	I	- 1
52 Dashboard	I	I	ı	I	I	I	I	I	I	-	I	ı	I	I	_	I	I	I	I	I	- 1
Chassis details																					
53. Chassis Details (throttle lever, accelerator pedal, gearshift control mechanism, handbrake lever, brake pedal, wheel brake parts, door lock, door opening position inside and outside)	I					L					L					L					L

PERIODIC MAINTENANCE DETAILS

Cycle x 1.000km	1~2	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
or (month)	(1)					(3)					(6)					(9)					(12)
54.Fuel leakage, lubricant, coolant	Ι	I	Ι	I	Ι	ı	I	I	Ι	Ι	Ι	ı	Ι	I	-	I	Ι	_	-	I	ı
55. Car body bolts and chassis details	_		Т		Т		Т		Т		Т		Т		Т		Т		Т		Т
56. Exhaust system	I	- 1	-	I	-	I	I	- 1	-	-	1	I	1	- 1	- 1	- 1	1	_	- 1	- 1	I
57. Door ball joint head	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L

NOTE: USED SYMBOL

I:INSPECT A: ADJUST
R:REPLACE T: TIGHTEN
L:LUBRICATE Re: REVERSE

C: CLEAN

AIR FILTER

Maintenance of intake air filter

The indicator light will show when the filter is too dirty to be cleaned. Always check the normal status of the indicator light. When the light is on, clean the air filter immediately without caring about the periodic cleaning schedule.

Periodically clean for every 10,000km and replace for every 40,000km or after 4 times of cleaning.

* NOTE

When the car is running in dirty conditions, it is necessary to regularly clean and maintain the air filter.

Cleaning

Air filter cleaning depends on the dirty condition of the air filter.

Dry dust

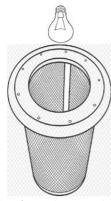
Use a nozzle with compressed air pressure to spray the upper and lower evenly inside the air filter to remove dirt.



* NOTE

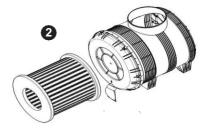
Avoid strong impact on air filter with hard objects. Note that the air pressure used for cleaning is no more than 7 kg/cm² (100psi).

Check after cleaning



Check for damaged, punctured, worn-out condition. If a defect occurs, contact THACO's authorized service stations to replace the new air filter immediately.

Remove and install air filter



Remove the air filter

1. Open the clamp and remove the air filter tank cap.

2. Separate the filter core from the air filter body.

Install the air filter

Before reinstalling the air filter, clean the inside of the body that contains the air filter core.

Installing the filter core is in reverse with removing it.

LUBRICANT AND LUBRICANT FILTER

- Engine lubricant and lubricant filter must be replaced periodically according to maintenance plan. If the car is used in extreme conditions, it is necessary to change the lubricant and lubricant filter more often.
- If the filter is blocked, the indicator light will show and if the lubricant pressure is low, the siren will sound at the same time. You must replace lubricant and filter immediately.
- Lubricant filter cannot be reused.
- Put the lubricant container under the outlet. Remove outlet bolt and discharge the lubricant.
- Remove the lubricant filter by removing the middle bolts on the filter to remove the lubricant filter.
- Use genuine spare parts when replacing new ones. Replace filters and gaskets. Apply a layer of engine lubricant to the gasket before reinstalling. After that, tighten the bolts with a standard force of 6-7kG.m.
- 4. When you only replace the lubricant filter, fill the lubricant in the filter.

Start the motor rotation and check the lubricant leakage and level.

* NOTE

Always treat used lubricant by environmental protection.

№ PRECAUTION

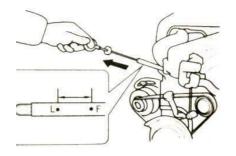
Take great care when discharging the lubricant, the lubricant may be hot and cause burns to you. Falling lubricant can cause fire. Clean the parts in the engine chamber after replacing the lubricant filter.

A PRECAUTION

Lubricant can cause allergy or cancer to the skin if it is attached to the skin for too long. When the lubricant sticks to skin, wash with soap and warm water as quickly as possible.

Check the lubricant level

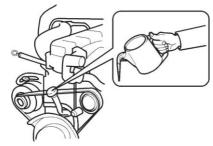
Before checking the lubricant level, warm up the engine to normal temperature and make sure it is parked on a flat road surface and turn off the engine.



Wait about 30 minutes, then pull the lubricant gauge, wipe off the lubricant and return it to the engine completely and withdraw. Note the highest lubricant level on the lubricant gauge. The lubricant level must be between the highest level "FULL" and the lowest level "LOW".

Add lubricant

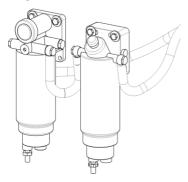
If the lubricant level is near or below the allowable limit "LOW", add lubricant until the lubricant level reaches "FULL".



Steps to add lubricant

- 1. Remove the lubricant cap by turning the cover in a counterclockwise direction.
- 2. Add lubricant, then check the lubricant level again.
- 3. Insert the cover by turning clockwise.

Change the fuel filter



Replace fuel filter core when replacing engine lubricant.

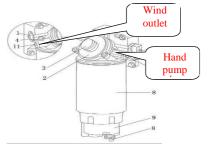
* NOTE

If the lubricant filter light is displayed, replace the filter core regardless of the periodic replacement schedule.

Wipe around the filter after replacing.

The lubricant filter core cannot be cleaned or reused. When you need to replace the filter core, contact THACO Service Station for advice.

AIR DISCHARGE IN FUEL SYSTEM



In the case of a self-shutdown engine like running out of fuel, clean the fuel system or replace the fuel filter core, the engine may not restart after the fuel is filled. In this case, it is necessary to discharge the air in the fuel system:

 Loosen the air discharge bolt above the top of the fuel filter head. Then rotate the hand pump counterclockwise until the pump is pushed up by the push spring.

- 2. Operate hand pump several times until there is no air bubbles.
- Then start the engine and make sure the air in fuel system is completely discharged.
- 4. When replacing the fuel filter, if you install a new fuel filter after filling the fuel, you can shorten the time of hand pumping, loosen the air discharge bolt, then you just need to pump manually until the fuel is ejected from the air exhaust valve, the engine can run for the first time.

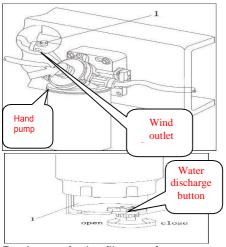
* NOTE

Since the starting machine may be overloaded when rotating for a long time, do not start the engine continuously for more than 15 seconds.

Note that there is a need to take a break (about 30 seconds) between the starts of the engine rotation to avoid overheating.

After the engine starts, wait until the engine is operating stably, then let the car to operate.

CHECK AND REPLACE THE FUEL FILTER



Replace fuel filter after every 20,000km. To remove dirt, remove the air outlet and fuel outlet.

* NOTE

After cleaning or replacing fuel filter, air discharge must be carried out.

If you let fuel fall on the engine, wipe it thoroughly to avoid fire.

FUEL PUMPS AND INJECTORS

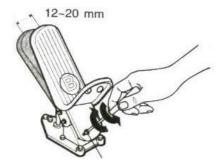
Fuel pumps and injectors are adjusted to operate in the best conditions. Note not to interfere with paint-marked bolts.

- Periodically check the paint marks. If you detect any loss of paint mark, take the car to the nearest THACO authorized service station to check and adjust.
- If you adjust yourself or lose the mark, you not only have no warranty priority, but also increase black smoke and damage to other components of the engine's air distribution system.

A PRECAUTION

Relevant damages due to customer's self-adjustment on injectors or fuel pumps will not receive THACO's warranty.

CHECK THE LOOSE OF BRAKE AND ACCELERATOR PEDAL



Check the loose (free travel) of the brake pedal by pressing the brake pedal with your finger.

The loose of the brake pedal is the movement journey of the brake pedal until you feel a drag. It is the loose of the brake pedal. The loose must be between 12-20mm.

When pressing the brake pedal, if the indicator light shows or the siren sounds, you should stop the car immediately. Check for excessive leakage of transmission pipes or worn-out brake pads.

ENGINE COOLANT

Do not open the sub-tank cover when the engine is hot. When the engine is still hot, the coolant has a high pressure and can be sprayed out if the cover is opened. You may suffer severe burns if you do not pay attention to this issue.

Dealing with cooling system

The engine overheating may be caused by too low or rusty coolant levels and a large build-up of sediment in the cooling system. If the water tank condition is not guaranteed or the coolant is too dirty, perform cleaning and change the coolant as listed below. If the coolant level is low, add coolant.

Change the coolant

- 1. Stop the car on a flat road, so that the coolant can be fully discharged to the container.
- 2. When removing the sub-tank. Do not open the cover if the engine is still hot.

- Open 2 exhaust valves on engine and sub-water tank. If the engine is hot, be careful to avoid burns from hot water.
- Discharge the coolant and rinse the cooling system with clean water.
- 5. Close 2 discharge valve and pour the coolant into the system.
- Let the engine run for a few minutes until all the air in the system is fully discharged. Add coolant up to standard level. Do not pour the coolant out.
- 7. Close the sub-tank cover and check for leakage of 02 discharge valves.
- If additional coolant is required, contact the authorized Service Station for inspection and repair.

PRECAUTION:

Work carefully when working close to cooling fans.

Add coolant

If the indicator light is displayed when the power switch is in the "ON" position, the coolant level is low. Coolant is a specialized solution for internal combustion engines and has anti-rust properties to prevent corrosion of cooling system parts.

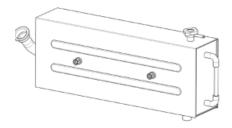
* NOTE

If the indicator light is displayed while the vehicle is operating due to a lack of cooling water, open the water tank cover. Then add cooling water to the allowable limit on the bottle.

Do not use hard water such as rivers and lakes to replace coolant for engines.

Engine coolant level

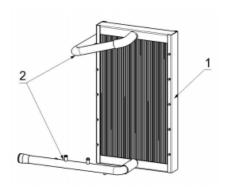
The coolant level in the sub-tank will vary depending on the engine temperature. When pouring coolant for the first time and when you add more, fill above the allowable limit (marked on the sub-tank).



CHECK RADIATOR AND RADIATOR PIPE

Check for leakage of radiator (1), and water pipes (2).

Check for leakage of water on the road where the car has just poured. If there is water leaking from the cooling system, take the car to the nearest authorized service station for inspection and repair.



AND CHECK COOLANT

Check the coolant level before starting the engine. Check the coolant level through the indicator wall on the tank. If low, add it right away until it reaches the full level.

⚠ PRECAUTION

Do not check and add coolant when the engine is hot.

If the coolant level is low, check for leakage and slackness of the water pump drive belt.

WATER SEPERATOR

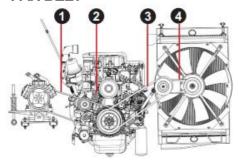
Remove the discharge valve and discharge the water before the float reaches the red line.

To remove, perform the following actions: Remove the discharge valve.

After the float switches down, tighten the discharge valve.

Wipe out the surrounding details.

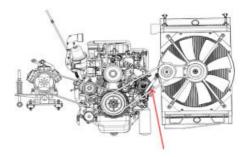
CHECK TENSION OF COOLING FAN BELT



	Ter	nsion (m	m)	
Between	1	2	3	4
	14-21	18-21	25-35	8-12

When adjusting the tension of the belt, press the center of the belt with a force of approximately 100N, and the deflection of the corresponding belts is as shown in the table above. After adjusting, make sure the brake bolt has been tightened. If the belt is loose, the engine will overheat, losing the ability of the generator to charge the battery or the air conditioner is not cold enough. If the belt is too tight, bearings and belts may be damaged.

Loosen the fixed bolts on the top of **BATTERY** the belt tensioner mechanism cluster rotate the whole cluster and counterclockwise adiust the to tension of the cooling fan belt.



PRECAUTION

Check the damaged condition of the surface, the edge of the belt, the chafe between radial tire and rubber. The defective belts need to be replaced immediately. If both belts are defective, they must be replaced.

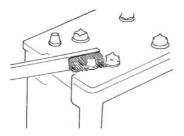


Two 12V batteries are connected in series, providing 24V voltage to the system. To extend battery life, always check the battery level and the proportion of battery fluid every 5,000km or monthly.

⚠ PRECAUTION

Do not use lighter, matches, smoke near the battery. flammable hydrogen gas produced from batteries can cause a dangerous explosion.

Battery fluid is a dilute sulfuric acid solution, avoiding sticking to the skin or clothing. In case of sticking, wash with clean water and soap. If it sticks to your eyes, rinse with water immediately and go to the nearest medical facility for treatment.



Cleaning battery poles

Always keep the battery surface cover dry and clean. If corrosive white powder appears on the pole tip, clean with hot water immediately.

Always keep the lid closed to avoid peripheral substances such as dust and water entering the battery. The cathode cable (-) must always be removed first and reinstalled eventually when removing and reinstalling the connecting wire.

⚠ PRECAUTION

Take care not to place fire sources near the battery.

When working with a metal device near the battery, remove the cathode cable (-) to ensure safety.

Fluid amount

The battery fluid level must always be between the "UPPER" and the "LOWER" level. If the level is low, add slowly so that the fluid level reaches the critical level "UPPER".

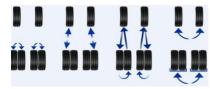
If the battery has no mark, the fluid level must be between 10 and 15mm on the pole board.

If the fluid level is low, add slowly until reaching the upper level of the pole about 15mm.

* NOTE

If the battery has only one mark, that it indicates the lowest level "LOWER".

REVERSE THE TIRE



Tire wear is different depending on the position of the tire, the tire must be reversed every 20,000km to balance the wear of the tires and to extend the life of the tire. The tire should be reversed according to the guidance diagram as above.

TYPES OF TIRE

Staggered wave tires are not suitable for high-speed running, and there is a risk of slipping. If your car is fitted with this tire, be careful not to operate at high speeds. Pay special attention when controlling the steering wheel or the brake on the road with a wet surface.







Bone tire Staggered Wave tires

Staggered wave bone tire

UREA TANK

Alarm clock.

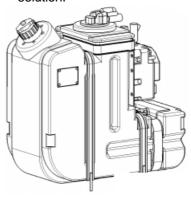
If the clock displays a percentage level when the coolant level is below 10%, the solution should be added to the urea tank.



Add DEF solution.

Use DEF (Urea) solution of 32.5% concentration. Consumption is about 3-5 liters / 100 liters of fuel.

- 1. Stop the car on a flat road.
- 2. Remove the Urea tank cover.
- 3. Add the solution.
- Close the cover carefully after having sufficient amount of solution.



* NOTE

You should make sure that the amount of urea in the tank is enough for the journey, because if Urea runs out after 50 hours the engine will reduce its capacity by 30%.

Urea solution is corrosive, when pouring it, we should note:

When pouring, not let Urea spill out.

Take care to close the cover carefully after pouring the solution.

Only use the correct urea solution, do not use any other solution including distilled water.

Because Urea is very easy to crystallize, it is necessary to suck urea from the duct and pump and inject it into a urea container after turning off the engine. Please do not disconnect the whole electricity on the car when the engine is turned off but must wait at least 90 minutes, until the engine operates stably to start the vehicle.

Filter core in the Urea container



The filter core in urea container should be replaced periodically after every 100,000 km of operation.

Urea solution pump filter



The urea solution pump filter should be replaced periodically after every 100,000 km of operation.

CARBON BLAC FILTER IN EXHAUST

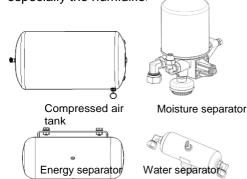


Carbon black filter in exhaust, should be replaced periodically after every 100,000 km of operation.

CHECK BEFORE OPERATING THE CAR Discharge the water from the air tank

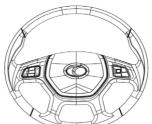
On your car, there are 5 compressed air tanks, 1 moisture separator, 1 energy separator and 1 water separator. All tanks above have discharge valves.

Before driving, the water should be drained from the gas cylinders especially the humidifier



Check the loose of the steering wheel

- To check the loose of the steering wheel, stop the car and keep the wheels straight ahead. Use your finger to rotate the steering wheel slightly until there is a sense of resistance, which is the loose limit of the steering wheel. If the loose is higher than allowed limit, please take the vehicle to THACO's authorized service station for adjustment and replacement if necessary.
- To check the laxity of the steering wheel, move the steering wheel up and down, pull and push left and right.
- Tighten the steering wheel lock.



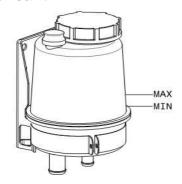
Check the steering wheel

The steering wheel is designed with sire switches for easy driving.

PRECAUTION

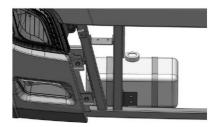
This is a kind of steering different from wheel the usual one using а sire picking button with bearing point of screw pad contact. Therefore, do not remove the steering wheel cover. This can break the wire of the sire picking button. It's best to bring the car to THACO's authorized service station for repair.

Check the power steering lubricant



To check the lubricant level, open the engine chamber cover at the rear. Check the power steering lubricant tank and make sure the lubricant level is between "Max" and "Min". If below "Min", please add immediately.

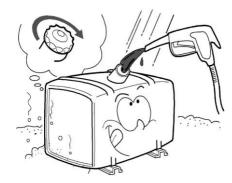
Check the glass washer fluid.



The glass washer fluid is to supply water for glass washing system. It is recommended to use good quality washer fluid to pour into a tank. The fluid levels must be checked regularly in bad weather conditions or whenever used a lot.

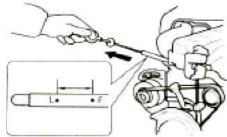
- Do not operate the switch lever when the tank has run out of fluid.
 It may damage the water pump.
- Open the cover and fill the glass washer fluid into the tank.

Take care when fuelling



- Pay attention to using suitable fuel. Unsuitable fuel can cause the engine to fail to start and damage.
- Try to fill the fuel tank. If the fuel level in the tank is low, the water vapor in the air can condense to form water in the fuel, create rust in the tank and make it difficult to start the engine.
- Tighten the fuel tank cover.

Check the lubricant before startup



Before checking the engine lubricant, turn off the engine and make sure it is parked on a flat road.

Wait about 20-30 minutes, then withdraw the lubricant gauge, clean it, put it back into the engine. Then draw to check the lubricant level and make sure the lubricant level is always in the range between "F" and "L".

TAKE CARE OF THE CAR



In order to maintain the quality of the car, it is necessary to regularly perform the maintenance. Note to conduct the maintenance according to environmental protection criteria according to regulations. Carefully select detergents ... and make sure they do not contain corrosive substances. If in doubt, contact THACO's authorized service station for assistance.

Car wash

Chemicals mixed in dust and dirt on car from the road surface can damage the paint surface and car cover, if they stick for long time.

Regular car wash is the best way to protect your car from damage. It also works to protect the effects of natural environments such as rain, salt air ..., do not wash the car directly in the sun. Park the car under the shade and spray water to wash dirt. Next use a lot of water and a brush to wash the car or a soft cloth, wash the car from top to bottom.

Use soap for car wash if necessary. Dry with a soft cloth. Carefully wash the connection points, door flanges, wheel holes, these places may still have dust. Cleaning the engine chamber and chassis with a steam nozzle. Be careful not to wash and spray on electrical equipment such as startup machine, generator.

The PRECAUTION – turn off the engine before washing.

Cover power generators, starter machines and other electrical equipment to prevent water or steam from firing directly on these equipment.

Do not spray water into the air intakes outlet of the air filter and surrounding areas.

Applying the polish

Applying a layer of polish on the surface of the car will help prevent chemicals that may cling to the surface of the car. Applying a polish after washing the car and doing this work at least every 3 months.

Chromed details

To avoid staining, corrosion for chromed parts, wash with water, dry gently, and cover with a special protective layer. It should be done more often in the winter.

Polishing



Only polish if the paint surface is stained or loses gloss, not polishing on the plastic parts, if polishing, it will damage their faces.

Window glass

Window glass should only be cleaned with clean water and a soft cloth.

Glass washer fluids are used to remove oil, grease, dead insects ... Dry the glass by a soft cloth after washing.

Do not use the same cloth to clean the glass and the surface of the car paint, the polish can stick to the glass and reduce visibility.

Protect the car frame and chassis

THACO car chassis is processed at the factory to protect against rust and corrosion. Some areas are coated with anticorrosion substances.

The effect of the above method also prevents the impact of gravel, stone, chemicals on the road ... when the car is operating. Regularly check the rim and need additional protection. Not all commercially available materials are suitable for the car, so you should take the car and perform this job at THACO's authorized service station.

Engine chamber

Clean the engine chamber in early winter. Pay special attention to flanges, gap and exterior details where dirt, chemicals and abrasive substances stick to.

If other chemical salts are used on the road, clean the engine chamber at least every 3 months.

Interior and exterior wrapping materials

To maintain the value of using the car, carefully clean the interior wrapping materials.

Use a vacuum cleaner and brush to clean. If dirty, it is recommended to clean with a suitable cleaning solution, the felting material must be cleaned with a solution of 3% neutral soap with warm water.

Clean floor mats with vacuum cleaners and remove stains with mat cleaning solutions.

CHECK AFTER OPERATION

Damaged paint surface

Small scratches and cracks on the paint surface need to be handled as soon as possible. Check the car cover surfaces facing the road surface and whether the tires are damaged under the impact of gravel or stones.

Asphalt

If the asphalt sticks to the asphalt, use a special detergent to remove it as soon as possible. If there are still stains of asphalt, polish that area.

Rubber and plastic parts:

Use a soft cloth with clean water. If necessary, use a special detergent to clean plastic and rubber parts.

If engine lubricant, brake fluid, battery fluid ... stick to these parts, quickly rinse with water and then use alcohol to remove completely.

Load and car speed

It is especially important to adjust the tire pressure properly before driving with maximum load and long-distance.



After operating, clean the car and perform the following inspection:

- If there are any problems during operation, check and repair immediately. If it is difficult to repair, call the nearest Service Station for assistance.
- Check the laxity, damaged condition of all details, leaks of lubricant, fuel, water.

SPECIFICATIONS

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Lubricant table	10-11
Overall appearance of the car	10-11

SPECIFICATION TABLE

NO	SYSTEM	SPECIFICATION	THACO TB119S-E
		Manufacturer	WEICHAI
		Туре	WP9H336E40
1	Engine	Capacity (kW/roll/ minute)	247/1990
		Cylinder capacity (cm³)	8800
		Exhaust standard	EURO IV
		Brand	ZF
		Trademark	ZF-ECOLIFE-6AP1700B
			No. 1=3.36
			No. 2=1.91
			No. 3=1.42
2	Gearbox	Transmission ratio	No. 4=1.00
			No. 5=0.72
			No. 6=0.62
			No. Re iR=4.24
		Digital transmission	Transmission – Automatic control
		Inlet torque of transmission (N.m)	1700

		Туре	Instant box girder
	Back axle	Load capacity (kg)	13000
3	(active axle)	Axle transmission ratio	i = 3.727
		Brake type	Drum brake
		Туре	I shaped girder
4	Front axle	Load capacity (kg)	7000
		Brake type	Disc brakes
5	Suspension	Front suspension system	 Dependency type, steam tank (02 pcs) and hydraulic shock absorber (02 pcs) with 2-way impact, balanced bar. The maximum allowable weight is: 7000 (kg)
	system	Back suspension system	 Dependency type, steam tank (04 pcs) and hydraulic shock absorber (02 pcs) with 2-way impact, balanced bar The maximum allowable weight is: 13000 (kg).
6	Fuel tank	Volume (litter)	250
7	Main brake		Drum type, front disc, 2-line impact, compressed air transmission.
	Handbrake		Drum type, compressed air + spring with integrated power acting on the rear wheels.
8	Disc wheel	Size	8.25x22.5

9	Tire	Size	12R/225
10	Electrical system	Starter machine	24V-6kW
		Battery	2x12V-210Ah
		Generator	28V-150A
11	Dynamics feature	Biggest speed (km/h)	135
		Slope (%)	42.4
12	Size	Total length (mm)	11910
		Total width (mm)	2500
		Total height (mm)	3510
		Length of car front end (mm)	2580
		Length of rear end (mm)	3330
		Standard length (mm)	6000
		Front wheel tread (mm)	2072
		Rear wheel tread (mm)	1860
		Rotation radius of the car (m)	10.6
13	Number of seats		45 seats

LUBRICANT AND SOLVENT ON THE CAR

DETAILS	SOLVENT	AMOUNT	SPECIFICATION	NOTE
Engine	Lubricant	25 liter	SAE 15W-40, API CI-4/SL	Including lubrication filter
Radiator, sub-water tank, glass heater	Cooling solvent	75 liter	50% ETHYLENE GLYCOL	
Transmission	Lubricant	41.2 liter	TE-ML 20E/ 20F/ 20G	
Rear axle	Lubricant	14 liter	SAE 85W-140, API GL-5	
Power steering	Hydraulic oil	5 liter	S2 ATF D2 (Shell SPIRAX)	
Ball joint ends, pulley bearings, hub, other details.	Lubricating grease	Customiza ble	Multipurpose grease NLGI no. 2 or 3	

OVERALL APPEARANCE OF THE CAR

