

585cc ATV Camo/Black



⚠ WARNING



Please read and understand the product manual completely before assembly

- Check the parts list to make sure all parts are received.
- Wear safety goggles or other protective gear while assembling.
- Do not return products to dealers, who are not equipped to handle returns.

Missing parts or have questions on assembly?

Email: cs@tmgindustrial.com

Or visit: tmgindustrial.com



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Important Note

A built-in storage toolbox is located under the ATV seat for storing this manual and all supplementary addendums. Keep the manual and attachments stored in this compartment for easy access and reference at any time.

1. Introduction

Congratulations on the purchase of your ALL Terrain Vehicle (ATV). We take pride in offering you this product engineered and manufactured to the highest performance and quality standards. We are sure that you will enjoy superior levels of performance, reliability, riding comfort, and safety.

This manual is provided to help the owner and operators of this ATV become familiar with the operating characteristics and the many features offered on the ATV. The manual also covers information on the care and maintenance of your ATV.

Please read this manual carefully. The information contained in this Owner's Manual, the Warning Labels supplied with this product will help you to understand the safe use and maintenance of your ATV. Make sure that you understand and follow all Warnings and Instructions in this material.

If you did not receive any of the material listed above, please call your dealer and request to have them sent to you.

Important Safety Notice

Never make any modifications to the engine, drive system mechanical or electrical systems of your ATV. Never install aftermarket parts or accessories intended to increase the speed or power of your ATV.

Failure to follow these warnings increases the possibility of accidents leading to DEATH or SERIOUS INJURY!

Additionally, failure to follow these requirements will void the Warranty on your ATV.



CAUTION

The addition and use of certain accessories including, (but not limited to) mowers, blades, sprayers, winches and windshields will change the handling characteristics and the performance of your ATV.

Practice Responsible ATV Riding

Make sure that you understand and follow all local, state/province, and federal/national riding laws and requirements.

Remember Respect your vehicle, respect the environment and respect the property of others. You are responsible for your safety and the safety of others around you when you ride!

An ATV can be hazardous to operate.

An ATV handles differently from other vehicles including motorcycles and cars. A collision rollover can occur quickly, even during routine maneuvers such as turning and driving on hills or over obstacles, if you fail to take proper precautions.



WARNING

This indicates a hazardous situation, which, if not avoided, could result in death or serious injury.

1. Read this manual and all labels carefully and follow the operating procedures described.
2. Never operate an ATV without proper instruction. Take a training course. Beginners should receive training from a certified instructor. Contact an authorized ATV dealer to find out about the training courses nearest you.
3. Never allow anyone who is not an adult to operate this ATV.
4. Never permit a guest to operate this ATV unless the guest has read this manual and all product labels, and has completed a certified training course.
5. Always avoid operating an ATV on any paved surfaces, including sidewalks, driveways, parking lots and streets
6. Never operate an ATV without wearing an approved helmet that fits properly. You should also wear eye protection (goggles or face shield), gloves, boots, long-sleeved shirt or jacket, and long pants.

7. Never consume alcohol or drugs before or while operating this ATV.
8. Never operate at excessive speeds. Always travel at a speed which is proper for the terrain, visibility and operating conditions, and your experience.
9. Never attempt wheelies, jumps or other stunts.
10. Always inspect your ATV each time you use it to make sure it is in safe operating condition. Always follow the inspection and maintenance procedures and schedules described in this manual.
11. Always keep both hands on the handlebars and both feet on the footrests of the ATV during operation.
12. Always go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the ATV.
13. Never operate on excessively rough, slippery or loose terrain.
14. Always follow proper procedures for turning as described in this manual. Practice turning at low speeds before attempting to turn at faster speeds. Do not turn at excessive speed.
15. Always have the ATV checked by an authorized dealer if it has been involved in an accident.
16. Never operate ATV on hills too steep for the ATV or for your abilities. Practice on smaller hills before attempting larger hills.
17. Always follow proper procedures for climbing hills as described in this manual. Check the terrain carefully before you start up any hill. Never climb hills with excessively slippery or loose surfaces. Shift your weight forward. Never open throttle suddenly or make sudden gear changes. Never go over the top of any hill at high speed.
18. Always follow proper procedures for going down hills and for braking on hills as described in this manual. Check the terrain carefully before you start down any hill. Shift your weight backward. Never go down a hill at high speed. Avoid going down a hill at an angle which would cause the vehicle to lean sharply to one side. Go straight down the hill where possible.
19. Always follow proper procedures for crossing the side of a hill as described in this manual. Avoid hills with excessively slippery or loose surfaces. Shift your weight to the uphill side of the ATV. Never attempt to turn the ATV around on any hill until you have mastered the turning technique described in this manual on level ground. Avoid crossing the side of a steep hill if possible.
20. Always use proper procedures if you stall or roll backwards when climbing a hill. To avoid stalling, maintain a steady speed when climbing a hill. If you stall or roll backwards, follow the special procedure for braking described in this manual. Dismount on the uphill side or to either side if pointed straight uphill. Turn the ATV around and remount, following the procedure described in this manual.
21. Always check for obstacles before operating in a new area. Never attempt to operate over large obstacles, such as large rocks or fallen trees. Always follow proper procedures when operating over obstacles as described in this manual.
22. Always be careful of skidding or sliding. On slippery surfaces, such as ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding out of control.
23. Avoid operating the ATV through deep or fast flowing water. Avoid water which exceeds the recommended maximum depth. Go slowly, balance your weight carefully avoiding sudden movements, maintain a slow and steady forward motion, do not make sudden turns or stops, and do not make sudden throttle changes.
24. Wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary apply them lightly several times to let friction dry out the pads.
25. Always be sure there are no obstacles or people behind you when you operate in reverse. When it is safe to proceed in

reverse, go slowly. Avoid turning at sharp angles in reverse.

26. Always use the size and type tires specified in this manual. Always maintain proper tire pressure as described in this manual.
27. Never modify an ATV through improper installation or use of accessories.
28. Never exceed the stated load capacity for an ATV. Cargo should be properly distributed and securely attached. Reduce speed and follow instructions in this manual for carrying cargo or pulling a trailer. Allow greater distance for braking.

2. Understanding Warnings

WARNING

This vehicle is intended for adult use only and is not a toy. Please read and fully understand all warnings and the owner's manual before operation.

CAUTION

Know your vehicle before you begin riding!

Read this manual thoroughly referring to the various areas which are being discussed on your machine. Operating this vehicle carries with it responsibilities for your personal safety, the safety of others, and the protection of our environment.

NOTICE

Illustrations used in this manual are for general representation only. Your model may differ.

3. Safety Alert

WARNINGS identify special instructions or procedures which, if not correctly followed, could result in personal injury, or loss of life. Read all WARNINGS in this manual carefully. Follow their instructions to remain safe.

The following precautionary signal words are used throughout this manual to convey the following messages:

This is the safety alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury. Your safety is involved!

WARNING

Indicates a potential hazard which could result in severe injury or death.

CAUTION

Indicates a potential hazard which may result in minor personal injury or damage to the ATV.

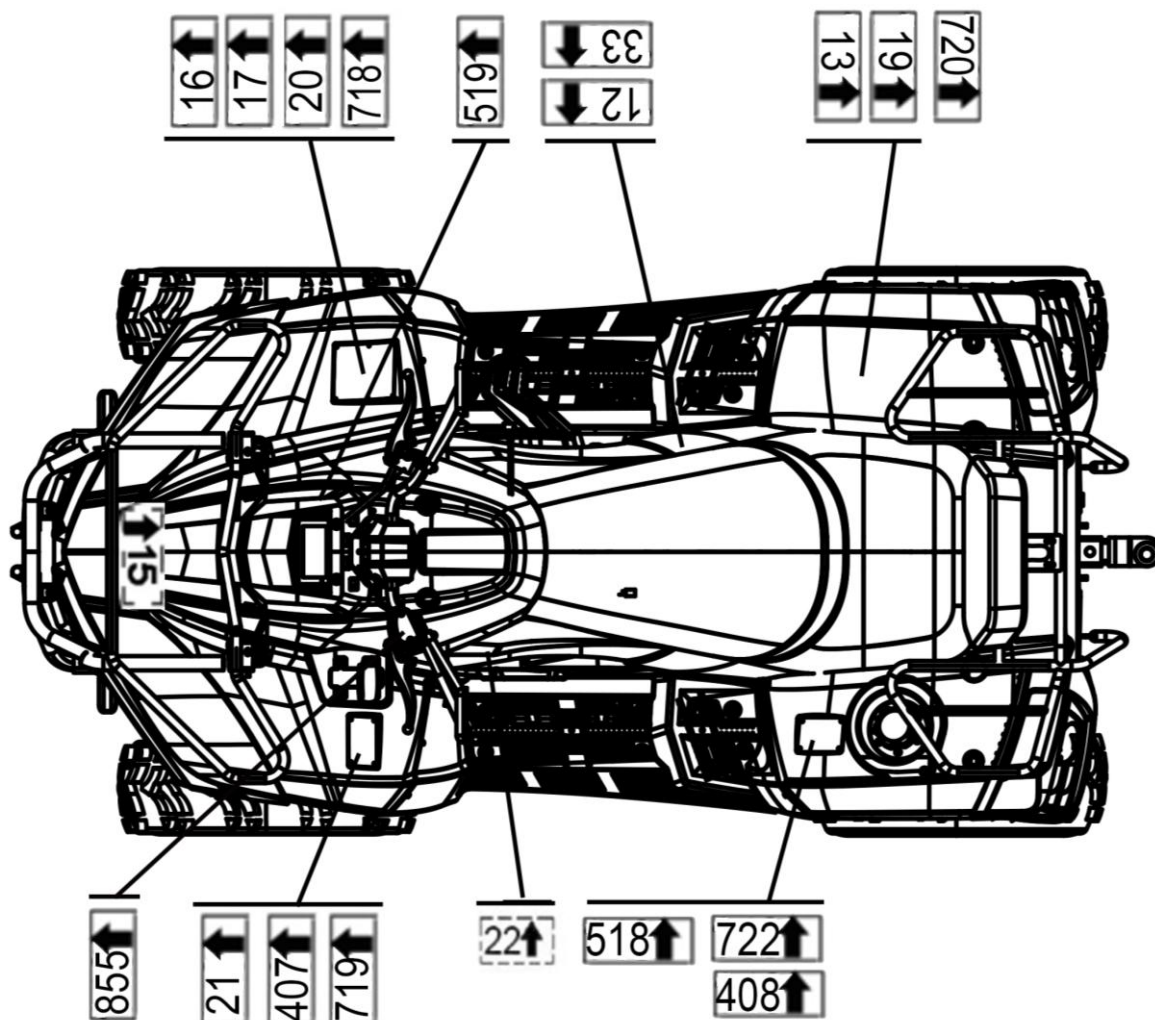
CAUTION

Indicates a situation that can result in damage to the machine.

NOTICE:

The word "NOTE" in this manual will alert you to key information or instructions.

Attention: There is a risk of fire from driving the vehicle on the ground where grass has dried up or parking the vehicle on such surface while the engine is hot.



NOTE:

Warning decals have been placed on the vehicle for your protection. Read and follow the instructions on each decal carefully. In the event any decal becomes illegible or comes off, contact your dealer for a replacement.

Attention: There is a risk of fire from driving the vehicle on the ground where grass has dried up or parking the vehicle on such surface while the engine is hot.

⚠ WARNING

Do not remove the radiator cap when the engine and radiator are hot. Scalding hot fluid and steam may be blown out under pressure, which could cause serious injury. When the engine has cooled, open the radiator cap as follows:
Place a thick rag or a towel over the radiator cap. Slowly rotate the cap counterclockwise toward the detent. This allows any residual pressure to escape. When any hissing sound has stopped, press down on the cap while turning counterclockwise and remove it.

T02015

⚠ CAUTION

When switching to the 2WD position from 4WD, the button will stay in the 2WD position but the 4WD mechanism maybe still be engaged.
The 4WD will finally disengage when riding on a hard surface or riding in reverse.
The 2WD indicator on the speedometer will come on when 4WD is disengaged.

T02020

CAUTION

To avoid transmission breakages use the shift lever only while the vehicle is standing still and the engine is running at idle speed.

T02017

CAUTION

TO KEEP THE CLUTCH & TRANSMISSION IN GOOD CONDITIONS.

Use:

Low Range:

- Basic operation at speeds less than 11km/h
- Heavy pulling
- Riding through rough terrain (swamps, mountains, etc.) at low ground speeds

High Range:

- Basic operation at speeds greater than 11km/h
- High ground speeds.

T02016



WARNING



Operating this ATV if you are under the age of 16 increases the chances of severe injury or death to both operator and passenger.

NEVER operate this vehicle if you are under age 16.

T02719



WARNING

Never Operate this vehicle on HILLS steeper than 15% gradient.
To prevent flip over on hilly terrain, use the throttle and brake gradually.

Operation of the ATV in reverse, even at low speeds can be dangerous.
Steering and control of the ATV can become difficult.

To prevent flip over, avoid sudden braking and sharp turns.

T02013

CAUTION

Do not switch on 4WD/diff-lock if any wheel is spinning. This may cause severe machine damage. When switch on 4WD/diff-lock, the button will stay in 4WD/diff-lock position but 4WD/diff-lock mechanics maybe still disengaged. Always apply throttle gently and let the wheels move slightly to allow the 4WD/diff-lock mechanics finally engage. Never use the diff-lock during normal driving. The vehicle could go out of control.

T02519

! WARNING

Hot Surfaces

Never touch engine or exhaust system after running engine, until they have cooled.

T02012

! WARNING

Attempting to shift the operating range of the transmission, or to shift into or out four wheel drive while the ATV is in motion or the engine speed higher than idle can cause loss of control of the ATV or severe damage to the transmission and drive system.

Never attempt to shift the operating range of the transmission or to shift into or out four wheel drive while the ATV is in motion or the engine speed higher than idle.

T02019

! WARNING

PASSENGER SAFETY

To reduce the risk of SEVERE INJURY or DEATH



NEVER CARRY
MORE THAN ONE
PASSENGER



NEVER RIDE
AFTER USING
DRUGS OR ALCOHOL

NEVER carry a passenger too small to firmly plant feet on footrests and securely grasp hand holds.

THE PASSENGER MUST ALWAYS:

- use an approved helmet and protective gear
- securely grasp hand holds and plant feet firmly on footrests while seated in the passenger seat
- tell operator to slow down or stop if uncomfortable - get off and walk if conditions require

T02720



! WARNING

- **NEVER** carry a passenger on rack.
- DO NOT TOW from rack or bumper.
- MAX REAR LOAD: 44 lb. (20 kg) evenly distributed.

⚠ WARNING

Pulling excessive loads can cause loss of stability or control of the ATV.

Do not exceed the load capacity for the hitch.

Make sure the vehicle is always driven in low gear at low speed once a trailer is towed.

T02518

⚠ WARNING

Improper tire pressure or overloading can cause loss of control.

Loss of control can result in severe injury or death.

- Cold tire pressure:
Front : 48 kPa (7psi)
Rear : 48 kPa (7psi)
- Maximum weight capacity : 170Kg (375 lbs.)

T02722

⚠ CAUTION

**Engine/Radiator Coolant Only
Ethylene Glycol and Water Mix.**

Note: Always follow the coolant manufacturer's mixing recommendations for the freeze protection required in your area.

T02022

⚠ WARNING

This guard must be in place during operation of the engine. Keep hands, feet, hair and loose garments away from the engine, chain and drive components.

T02033

⚠ WARNING

Disengage brake lever lock before operating ATV.

T02855



⚠ WARNING

- **NEVER** carry a passenger on a rack.
- **DO NOT TOW** from rack or bumper.
- **MAX FRONT LOAD:** 22 lb. (10 kg) evenly distributed.

⚠ NOTE

Use 4WD only when necessary, this will result in less fuel consumption and longer life for the machine.

T02021



WARNING

Improper use can result in SEVERE INJURY or DEATH



ALWAYS USE
AN APPROVED
HELMET AND
PROTECTIVE
GEAR FOR
DRIVER AND
PASSENGER



NEVER USE
ON PUBLIC
ROADS



NEVER CARRY
MORE THAN
1 PASSENGER



NEVER USE
WITH DRUGS
OR ALCOHOL

NEVER operate:

- without proper ATV training or instruction
- at speeds too fast for your skills or the conditions
- on public roads - a collision can occur with another vehicle
- with a passenger unless passenger seat is securely in place.

THE OPERATOR MUST **ALWAYS**:

- use proper riding techniques to avoid overruns on hills and rough terrain and in turns
- avoid paved surfaces - pavement may seriously affect handling and control
- reduce speed and use extra caution at all times when carrying a passenger - dismount passenger when conditions require
- make sure passenger reads and understands this label and passenger safety label

LOCATE AND READ OPERATOR'S MANUAL.
FOLLOW ALL INSTRUCTIONS AND WARNINGS.

T02718

4. Daily Pre-Ride Inspection



WARNING

You must inspect your ATV each time before riding to ensure it is in proper working order. If proper inspection is not done, severe injury or death could result.

Use the following checklist to verify your machine is in proper working order each time you ride.

Item/Inspection procedure

1. Tire-check condition and pressures.
2. Fuel tank-Fill the fuel tank to its proper level.
3. All brakes-check operation, adjustment and fluid level (includes auxiliary brake).
4. Throttle-check for free operation and closing.
5. Headlight / Taillight / Brake light-check operation of all indicator lights and switches.
6. Engine stop switch-check for proper function.
7. Wheels-check for tightness of wheel nuts and axle nuts; check those axle nuts are secured by cotter pins.
8. Air cleaner element-check for dirt; clean or replace.
9. Steering-check for free operation noting any unusual looseness in any area.
10. Loose parts-visually inspect vehicle for any damaged components or loose nuts/bolts or fasteners.
11. Operators helmets, goggles and clothing.
12. Engine coolant check for proper level at the recovery bottle.

5. Operation Warnings

Boarding and Dismounting the ATV

Get on

Get on the ATV through left or right by steps.

Dismount Procedure

1. Confirm the surrounding area is safe, then park the ATV slowly.
2. Turn off the engine via the ignition key.
3. Engage the parking brake lever to lock the rear wheels.
4. Dismount from either the left or right foot steps.



WARNING

Potential Hazard

Operate this ATV without proper instruction.

What can Happen

The risk of an accident is greatly increased if operator does not know how to operate the ATV properly in different situations and on different types of terrain.

How to Avoid the Hazard

Beginning and inexperienced operators should complete the certified training course. They should then regularly practice described in the Owner's Manual.

For more information about the training course, contact an authorized ATV dealer.



WARNING

Potential Hazard

Operate this ATV without wearing an approved helmet, eye protection and protective clothing.

What can Happen

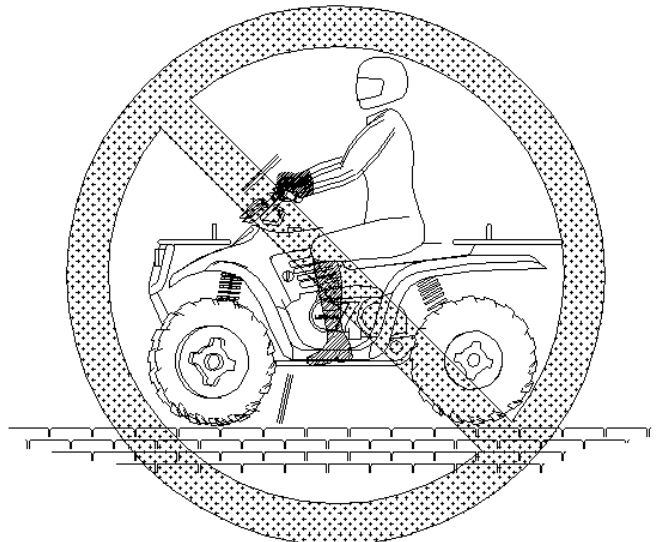
Operating without an approved helmet increases your chances of a severe head injury or death in the event of an accident.

Operating without eye protection can result in an accident and increases your chances of a severe injury in the event of an accident.

How to Avoid the Hazard

Always wear an approved helmet which fits properly.

You should also wear: eye protection (goggles or face shield); gloves; boots; long-sleeved shirt or jacket; and long pants.



Potential Hazard

Operating this ATV on paved surfaces, including sidewalks, paths, parking lots, and driveways.

What can Happen

Paved surfaces may seriously affect handling and control of the ATV, and may cause the vehicle to go out of control.

How to Avoid the Hazard

Avoid operating the ATV on pavement.



WARNING

Potential Hazard

Operate this ATV after consuming alcohol or drugs.

What can Happen

Could seriously affect your judgment.

Could cause you to react more slowly.

Could affect your balance and perception.

Could result in an accident.

How to Avoid the Hazard

Never consume alcohol or drugs before or while driving this ATV.



WARNING

Potential Hazard

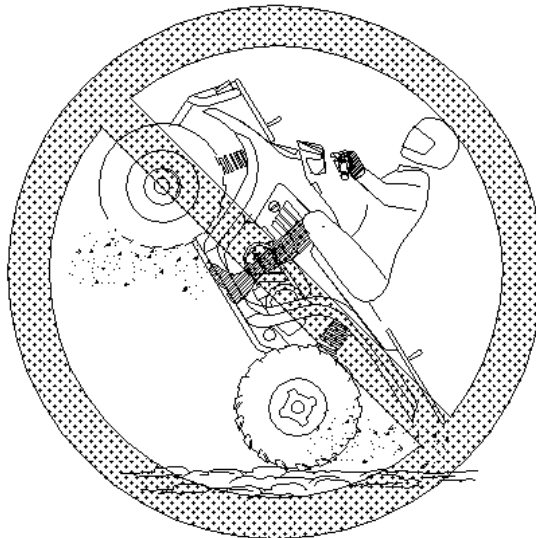
Operating this ATV at excessive speeds.

What can Happen

Increases your chances of losing control of the ATV, which can result in an accident.

How to Avoid the Hazard

Always travel at a speed which is proper for the terrain, visibility and operating conditions; and your experience.



Potential Hazard

Attempting wheelies, jumps and other stunts.

What can Happen

Increases the chance of an accident, including an overturn.

How to Avoid the Hazard

Never attempt stunts, such as wheelies or jumps.

! WARNING

Potential Hazard

Failure to inspect the ATV before operating.

Failure to properly maintain the ATV.

What can Happen

Increases the possibility of an accident or equipment damage.

How to Avoid the Hazard

Always inspect your ATV each time you use it to make sure the ATV is in safe operating condition.

Always follow the inspection and maintenance procedures and schedules described in the Owner's Manual.

! WARNING

Potential Hazard

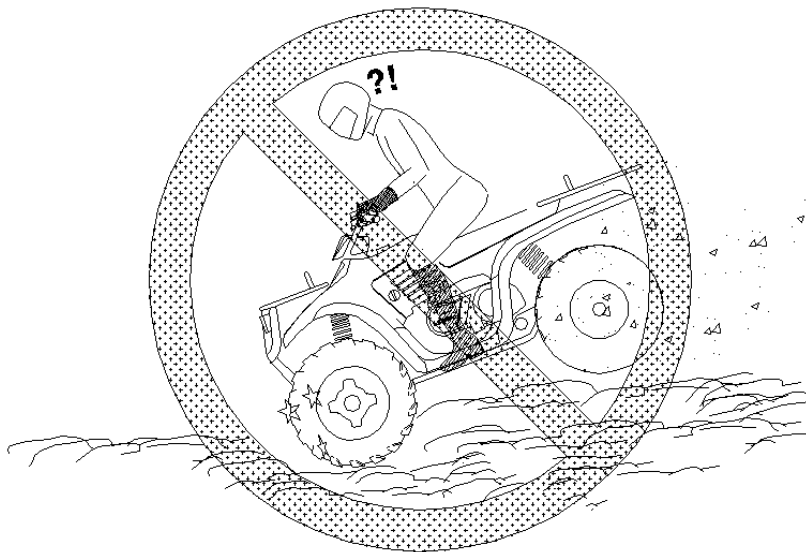
Removing hands from handlebars or feet from footrests during operation.

What can Happen

Removing even one hand or foot can reduce your ability to control the ATV or could cause you to lose your balance and fall off the ATV. If you remove a foot from the footrest, your foot or leg may come into contact with the rear wheels. Which could injure you or cause an accident.

How to Avoid the Hazard

Always keep both hands on the handlebars and both feet on the footrests of your ATV during operation.



Potential Hazard

Failure to use extra care when operating this ATV on unfamiliar terrain.

What can Happen

You can come upon hidden rocks, bumps, or holes, without enough time to react.

Could result in the ATV overturning or going out of control.

How to Avoid the Hazard

Go slowly and be extra careful when operating on unfamiliar terrain.

Always be alert to changing terrain conditions when operating the ATV.

! WARNING

Potential Hazard

Failure to use extra care when operating on excessively rough, slippery or loose terrain.

What can Happen

Could cause loss of traction or vehicle control, which could result in an accident, including an overturn.

How to Avoid the Hazard

Do not operate on excessively rough, slippery or loose terrain until you have learned and practiced the skills necessary to control the ATV on such terrain.

Always be especially cautious on these kinds of terrain.



WARNING

Potential Hazard

Climbing hills improperly.

What can Happen

Could cause loss of control or cause ATV to overturn.

How to Avoid the Hazard

Always follow proper procedures for climbing hills as described in the Owner's Manual.

Always check the terrain carefully before you start up any hill.

Never climb hills with excessively slippery or loose surfaces.

Shift your weight forward.

Never open the throttle suddenly. The ATV could flip over backwards.

Never go over the top of any hill at high speed. An obstacle, a sharp drop, or another vehicle or person could be on the other side of the hill.



WARNING

Potential Hazard

Turning improperly.

What can Happen

ATV could go out of control, causing a collision or overturn.

How to Avoid the Hazard

Always follow proper procedures for turning as described in the Owner's Manual.

Practice turning at low speeds before attempting to turn at faster speeds.

Do not turn at excessive speed.



WARNING

Potential Hazard

Operating on excessively steep hills.

What can Happen

The vehicle can overturn more easily on extremely steep hills than on level surfaces or small hills.

How to Avoid the Hazard

Never operate the ATV on hills too steep for the ATV or for your abilities.

Practice on smaller hills before attempting large hills.

Never operate the ATV on hills steeper than a 15% gradient.



WARNING

Potential Hazard

Going down a hill improperly.

What can Happen

Could cause loss of control or cause ATV to overturn.

How to Avoid the Hazard

Always follow proper procedures for going down hills as described in the Owner's Manual. NOTE: A special technique is required when braking as you go downhill.

Always check the terrain carefully before you start down any hill.

Shift your weight backward.

Never go down a hill at high speed.

Avoid going down a hill at an angle which would cause the vehicle to lean sharply to one side. Go straight down the hill where possible.



WARNING

Potential Hazard

Improperly crossing hills or turning on hills.

What can Happen

Could cause loss of control or cause ATV to overturn.

How to Avoid the Hazard

Never attempt to turn the ATV around on any hill until you have mastered the turning technique as described in the Owner's Manual on level ground. Be very careful then turning on any hill.

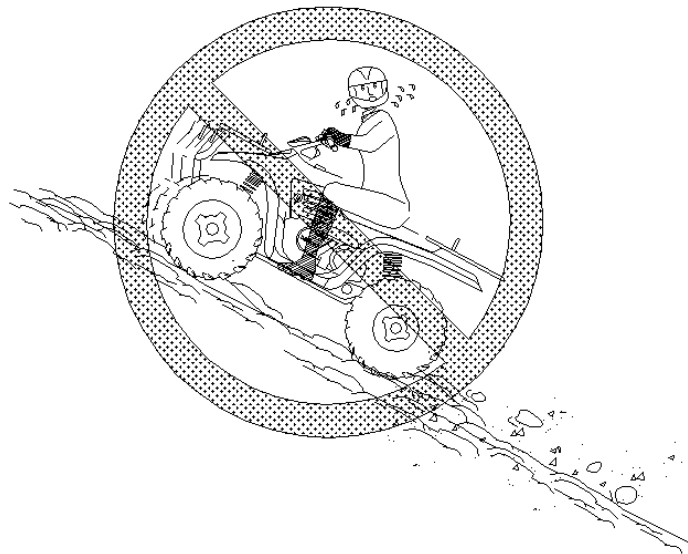
Avoid crossing the side of a steep hill if possible.

When crossing the side of a hill:

Always follow proper procedures as described in the Owner's Manual.

Avoid hills with excessively slippery or loose surfaces.

Shift your weight to the uphill side of the ATV.



Potential Hazard

Stalling, rolling backwards or improperly dismounting while climbing a hill.

What can Happen

Could result in ATV overturning.

How to Avoid the Hazard

Maintain steady speed when climbing a hill.

If you lose all forward speed:

Keep weight uphill.

Apply the brakes.

Lock parking brake after you are stopped.

If you begin rolling backwards:

Keep weight uphill; never apply engine power.

Apply the single-lever brake gradually.

When fully stopped, apply rear brake as well, and then lock parking brake.

Dismount on uphill side, or to either side if pointed straight uphill.

Turn the ATV around and remount following the procedure described in the Owner's Manual.



WARNING

Potential Hazard

Improperly operating over obstacles.

What can Happen

Could cause loss of control or a collision. Could cause the ATV to overturn.

How to Avoid the Hazard

Before operating in a new area, check for obstacles.

Use extreme caution when riding over large obstacles, such as large rocks or fallen trees.

If you cannot avoid obstacles, always follow proper procedures as described in the Owner's Manual.



WARNING

Potential Hazard

Skidding or sliding.

What can Happen

You may lose control of the ATV.

You may also regain traction unexpectedly, which may cause the ATV to overturn.

How to Avoid the Hazard

On slippery surfaces, such as ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding out of control.



WARNING

Potential Hazard

Operating this ATV through deep or fast flowing water.

What can Happen

Tires may float, causing loss of traction and loss of control, which could lead to an accident.

How to Avoid the Hazard

Never operate the ATV through water deeper than the recommended maximum depth.

Avoid operating the ATV through deep or fast flowing water. If you cannot avoid water, go slowly, balance your weight carefully avoiding sudden movement, maintain a slow and steady forward motion, do not make sudden turns or stops, and do not make sudden throttle changes.

Remember that wet brakes may have reduced stopping ability.

Test your brakes after leaving water. If necessary, apply them several times to let friction dry out the pads.



WARNING

Potential Hazard

Improperly operating in reverse.

What can Happen

You could hit an obstacle or person behind you, resulting in severe injury.

How to Avoid the Hazard

When you select reverse gear, make sure there are no obstacles or people behind you. When it is safe to proceed, go slowly.

 WARNING

Potential Hazard

Operating this ATV with improper tires, or with improper or uneven tire pressure.

What can Happen

Use of improper tires on this ATV, or operation of this ATV with improper or uneven tire pressure, may cause loss of control, and increases the risk of an accident.

How to Avoid the Hazard

Always use the size and type tires specified in the Owner's Manual for this vehicle.

Always maintain proper tire pressure as described in the Owner's Manual.

 WARNING

Potential Hazard

Operating this ATV with improper modifications.

What can Happen

Improper installation of accessories or modification of this vehicle may cause changes in handling which in some situations could lead to an accident.

How to Avoid the Hazard

Never modify this ATV through improper installation or use of accessories. All parts and accessories added to this vehicle should be genuine or equivalent components designed for use on this ATV; and should be installed and used according to instructions. If you have questions, consult an authorized dealer.

 WARNING

Potential Hazard

Overloading this ATV or carrying or towing cargo improperly.

What can Happen

Could cause changes in vehicle handling which could lead to an accident.

How to Avoid the Hazard

Never exceed the stated load capacity for this ATV,

Cargo should be properly distributed and securely attached,

Reduce speed when carrying cargo or pulling a trailer.

Allow greater distance for braking.

Always follow the instructions in the Owner's Manual for carrying cargo or pulling a trailer.

 WARNING

Potential Hazard

Riding on frozen lakes and rivers.

What can Happen

Severe injury or death can result if the ATV and /or the operator break through the ice.

How to Avoid the Hazard

Never ride your ATV on a frozen body of water before you are sure the ice is thick enough and sound enough to support the machine and its operator, as well as the force that is created by a moving vehicle.

 WARNING

After a rollover or an accident, have a qualified service dealer check the complete machine including, but not limited to, brakes, throttle and steering for possible damage.

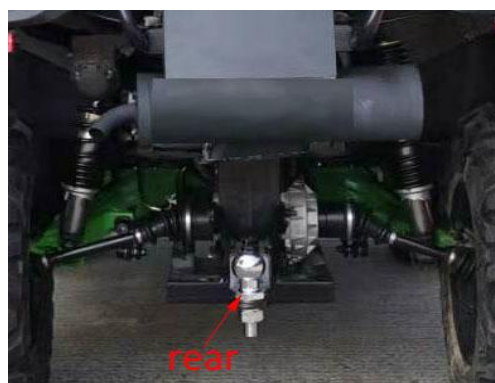
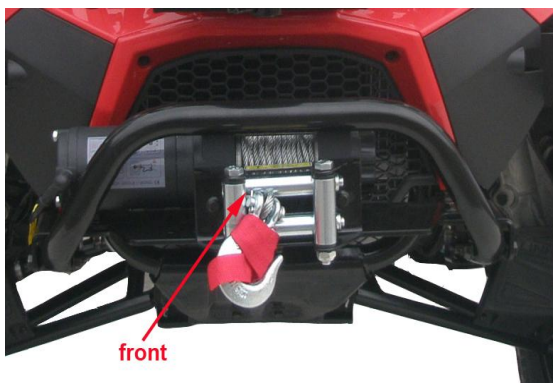
WARNING

Safe operation of this rider active vehicle requires good judgement and physical skills. Persons with cognitive or physical disabilities who operate this vehicle have an increased risk of overturns and loss of control which could result in severe injury or death.

CAUTION

Keep combustible materials away from exhaust system. Fire may result.

Hitch



Cautions when installing the implement or dragging the ATV

1. When installing the dragging implement trailer, the engine should stop and the ATV should park at the safety position. Please read implement's or trailer's installing instructions, signs and operating manuals carefully before changing.
2. The operation should be carried out according to the operating manual. Before finishing installing the dragging implement or trailer, it is forbidden to operate the ATV which is installed implement or connected trailer.
3. When connecting the dragging implement or trailer to ATV, it may cause personal injury if the person lacks the necessary experience. So the professional should be invited when necessary.
4. The implement should be lowered to the ground before leaving the ATV.
5. People should keep away from the areas between ATV and trailer when ATV is working with trailer.

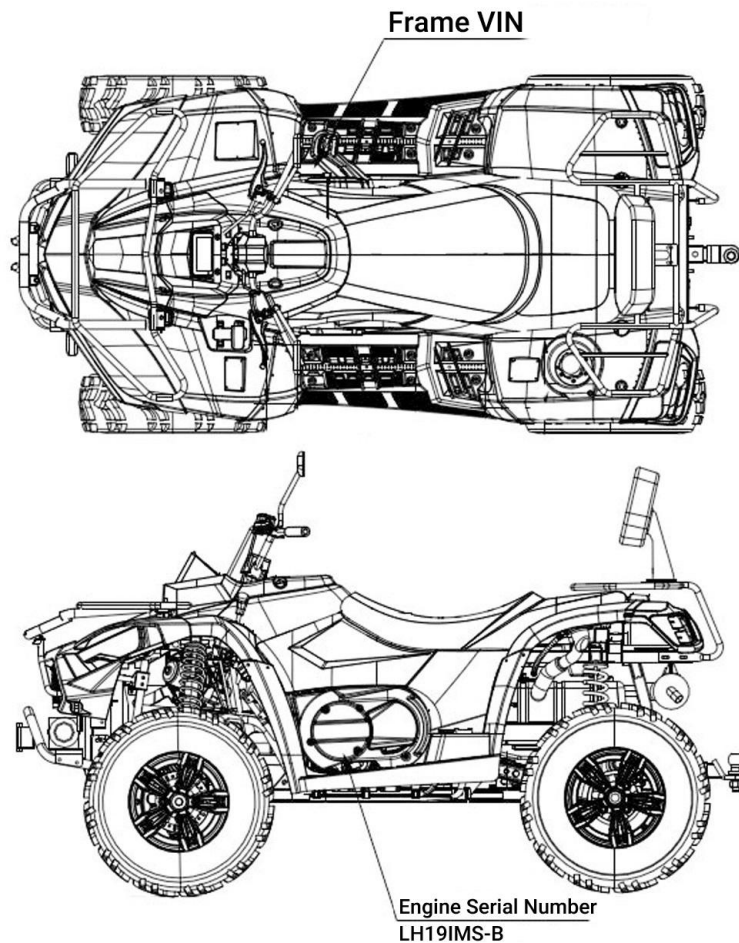
Front loader and/or backhoe cannot be attached.

This ATV is not applicable to "forestry application" and "work with crop sprayers".

DANGER

This ATV is designed not to use front mounted implements such as a front loader, front dozer. Do not operate the ATV with such front mounted implements.

6. V.I.N.



Record these numbers from your ATV in the spaces provided.

1. Frame VIN (found on the lower right side of the frame tube)
2. Engine Serial Number (Left front side of engine crankcase)

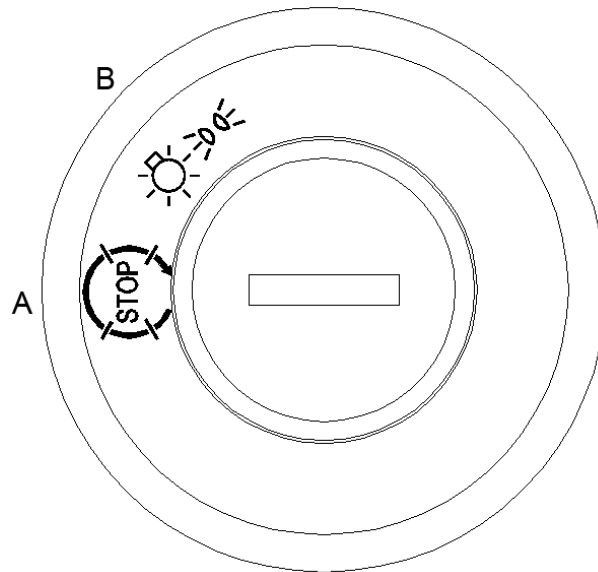
Remove the spare key and store in a safe place. Your key can be duplicated only by obtaining a key blank and having it cut by mating it with your existing key.

Record Key Number

The vehicle frame and engine serial numbers are important for model identification when registering your vehicle, obtaining insurance or whenever replacement parts are required. In the event your vehicle were stolen these numbers are essential to the recovery and identification of your ATV.

7. Control and Parts Functions

Insert the key into the key switch



A. "OFF" B. "ON"

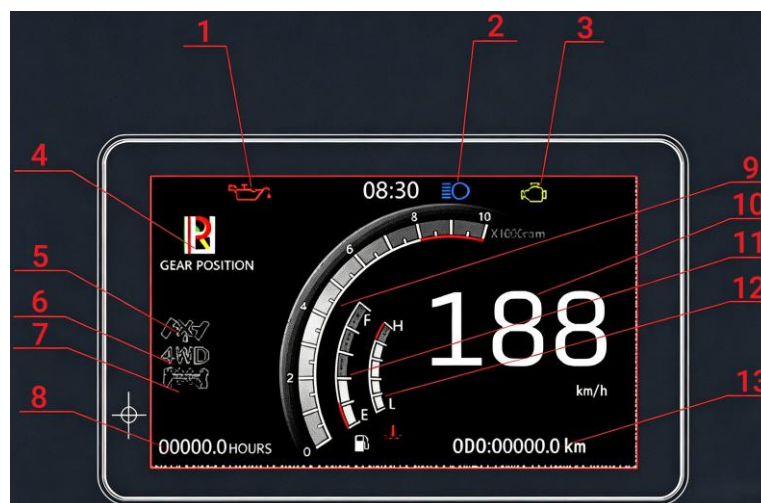
"OFF": Turn the key to this position to shut down the engine, cut all electrical circuits, and remove the key.

"ON": In this position, the ATV electrical system is energized, the engine may be started, and the key cannot be removed.



WARNING

Never turn the key to "OFF" position when the ATV is in motion. Otherwise the electrical system is shut off, which is likely to result in losing control or having an accident. Always make sure that the ATV is stopped before turning the key to "OFF" position.



1. Oil alarm lamp
2. High beam indicator
3. EFI indicator
4. Gear position
5. Front differential lock
6. 2WD/4WD

7. Rear differential lock
8. Working hours
9. Engine speed
10. Fuel level
11. Cooling temperature
12. Speed
13. ODO/Trip



Key A: selection key

Key B: confirm key

In the main menu, long press Key B for 3 seconds to enter the next-level menu, and short press key A to choose options, then short press key B to confirm options, long press the confirm key for 3 seconds to exit the current menu, until return to the first level menu, then short press key A to choose “Back option”, short press key B to return to the main menu.

Note: speed unit is bound to mileage (ODO/Trip) unit.

- When the speed unit is km/h, the mileage (ODO/Trip) unit is km.
- When the speed unit is mph, the mileage (ODO/Trip) unit is mile.
- When switching to menu Trip, long press key B to clear the trip.

Menu Schema

	First level menu	Second level menu	Third level menu
Main Menu	Brightness	Manual	1-5 gears
		Auto	On/Of
	Time	time setting	
		Date Setting	
	Mileage	ODO	
		Trip	
	Units	km/h	
		mph	
	Version	Software version	
	Language	English	
		Chinese	
	Back		

When entering the first level menu, short press key A to select the options (taking brightness adjustment as an example), then short press key B to enter the second level menu, short press key A again to select manual or auto, short press key B to enter the third

level menu and confirm. Finally, long press key B for 3 seconds to exit the current level menu (Reminder: When selecting Trip, if you want to return to the main menu, you must first press key A back to ODO and then long press key B to exit.), until return to the first level menu, then short press key A to choose "Back option", short press key B to return to the main menu.



Throttle



WARNING

Do not start or operate the ATV if the throttle lever sticks or operates abnormally. A stuck or improperly operating throttle could cause an accident resulting in severe injury or death.

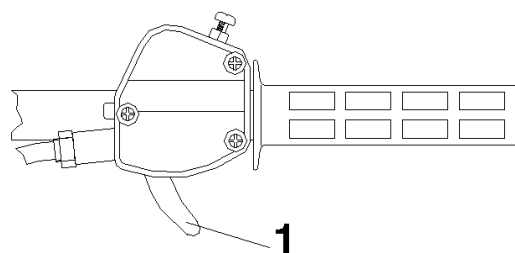
Always contact your dealer for service repairs whenever throttle problems arise.

Failure to check or maintain proper operation of the throttle system can result in the throttle lever sticking during riding and cause an accident.

Always check the lever for free movement and return before starting the engine and occasionally during riding.

Throttle Lever

Engine speed and vehicle movement are controlled by pressing the throttle lever. The throttle lever (1) is spring loaded and engine speed returns to idle when the lever is released.





WARNING

Washing or operating the scooter in freezing temperatures can result in water freezing in the throttle cable conduit and/or on the throttle mechanism.

This may result in the throttle sticking which can cause the engine to continue to run and result in loss of control.

Front and Rear Brakes

The brake fluid level should be checked before each ride. The reservoir of hand brake is located on the left side of the handlebar. The reservoir of foot brake is located under the seat. Brake fluid level must remain between the MAX and MIN indicator marks.



CAUTION

Once a bottle of brake fluid is opened, use what is necessary and discard the rest. Do not store or use a partial bottle of brake fluid. Brake fluid is hygroscopic, meaning it rapidly absorbs moisture from the air. This causes the boiling temperature of the brake fluid to drop, which can lead to early brake fade and the possibility of severe injury.

The front and rear brakes are located on the inside of the right floor board and are operated by the right foot. The front and rear brakes are hydraulically activated disc type brakes which are activated by one pedal only.

Always test brake pedal travel and reservoir fluid level before riding. When squeezed, the pedal should feel firm. Any sponginess would indicate a possible fluid leak or low master cylinder fluid level which must be corrected before riding. Contact your dealer for proper diagnosis and repairs.

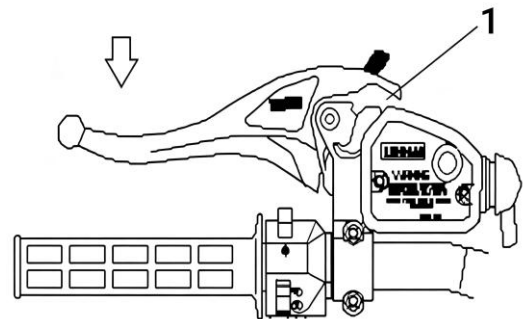


WARNING

Never operate the ATV with a spongy feeling brake pedal. Operating the ATV with a spongy brake pedal can result in loss of braking. Loss of braking could cause an accident.

Setting the Parking Brake

1. Squeeze the left hand brake lever two or three times and hold it.
2. Push the parking brake lock tab (1) into the notches on the master cylinder housing. Release the brake lever.
3. To release the parking brake lock, squeeze the brake lever. It will return to its released position.



Important Safeguards

- The parking brake may relax when left on for a long period of time. This could cause an accident.
- Do not leave the vehicle on a hill depending on the parking brake for more than five minutes.
- Always block the downhill side of the wheels if leaving the ATV on a hill or park the ATV in a side hill position.
- Always check to be sure that the parking brake has been disengaged before operating the ATV. An accident could result causing severe injury if the parking brake is left on while the ATV is operated.

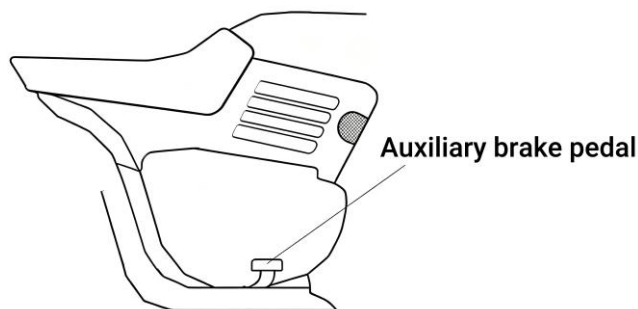
Auxiliary Brake



WARNING

Use caution when applying the auxiliary brake. Do not aggressively apply the auxiliary brake when going forward or the rear wheels may skid and slide sideways causing loss of control.

NOTE: Auxiliary brake system will be as effective as the rear wheels system in 2WD mode. It will cause braking at both front and rear wheels in the 4WD mode.

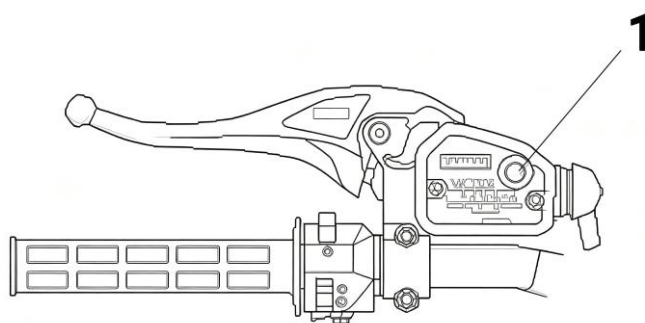


Your ATV has an auxiliary brake as a safety feature. It is located on the left handlebar and is operated by the left hand. It is intended as a backup to the main brake system, especially if the main system becomes inoperative.

If the rear wheels slide, apply the rear brake with the left hand to some extent. Aggressively applying the rear brake when backing down a hill may cause rear tip over.

It will be necessary to check the brake fluid level for the auxiliary brake system. The reservoir is located near the foot brake. The fluid should be kept between the maximum and minimum marks.

Brake Fluid Level

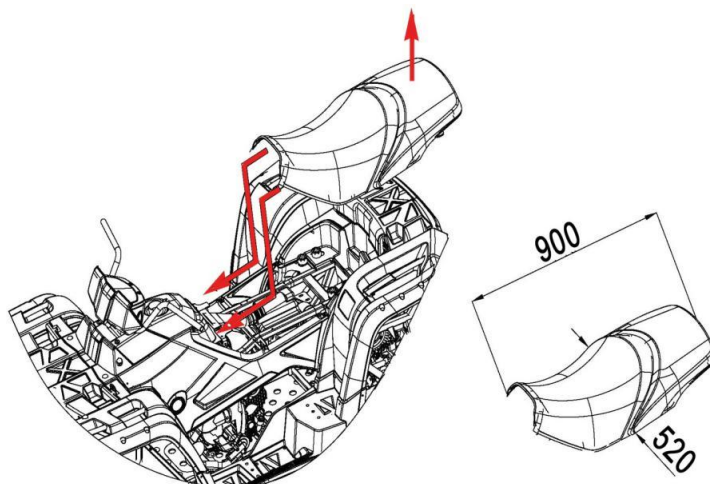


Top Window

The brake fluid in the master cylinder, which is located on the left handlebar, should be checked before each ride. There is an indicator window (1) on the top of the master cylinder. This window will appear dark when the fluid level is full. When fluid needs to be added, the window will be clear. NOTE: When checking the fluid level, the ATV must be on level ground and the handlebars must be straight. If the fluid level is low add DOT 3 only.

On some models, there is a "side window", the fluid level can be seen through it, and should be maintained between the indicated "max" and "min" marks on the reservoir.

Operator's Seat



CAUTION

To avoid personal injury:

1. Make sure that the seat is completely secured.
2. Do not allow any person other than the driver to ride on the ATV.

Automatic Transmission Gear Selector Operation

The transmission gear selector is located at the following positions: low forward; high forward; reverse and neutral.

NOTE: To extend belt life, use low forward gear in heavy pulling situations and in situations where you are operating below 7mph(11km/h) for extended periods of time.



CAUTION

To change gears, stop the vehicle and with the engine idling, move the lever to the desired gear. Shifting gears with the engine speed above idle or while the vehicle is moving could cause transmission damage.

Always place the transmission in gear with the parking brake locked whenever the vehicle is left unattended.

Maintaining shift linkage adjustment is important to assure proper transmission function. Should you experience any shifting problem see your dealer.

WARNING

Potential Hazard

Engaging a lower gear when the engine speed is too high.

What can Happen

The wheels could stop rotating. This could cause loss of control, an accident and injury. It could also cause engine or drive train damage.

How to Avoid the Hazard

Make certain the engine has sufficiently slowed before shifting to a lower gear.

WARNING

To shift to L gear, please hold the shift handle and push forward until it reaches the L position.

Check whether shifting into L gear functions properly: No pressing on the unlock button, hold the shift handle and pull back to H gear, if it doesn't go back, then the shift of L gear is correct, otherwise, the L gear is not shifted properly. It could cause transmission damage. Under this situation, please repeat the action of L shifting.

Engine Cooling System

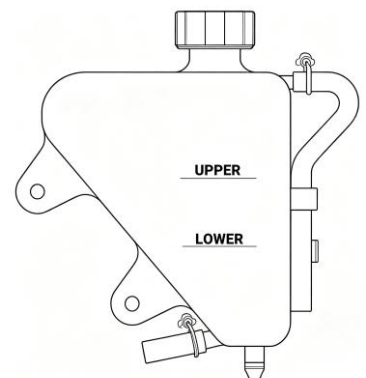
Coolant Level

The recovery bottle, located to the left of the frame, must be maintained between the minimum and maximum levels indicated on the recovery bottle.

The engine coolant level is controlled or maintained by the recovery system.

The recovery system components are the recovery bottle, radiator filler neck, radiator pressure cap and connecting hose.

As coolant operating temperature increases, the expanding (heated) excess coolant is forced out of the radiator past the pressure cap and into the recovery bottle. As engine coolant



temperature decreases, the contracting (cooled) coolant is drawn back up from the tank past the pressure cap and into the radiator.

NOTE: A slight drop in coolant level is normal for new machines, as the cooling system expels trapped air automatically. Check the coolant level regularly and top up the expansion tank with coolant per the manufacturer's instructions. It is recommended to use a 50:50 mixture of high-quality antifreeze compatible with aluminum components and distilled water.

NOTE: Always follow the manufacturer's mixing recommendations for the freeze protection required in your area.

Cooling System



WARNING

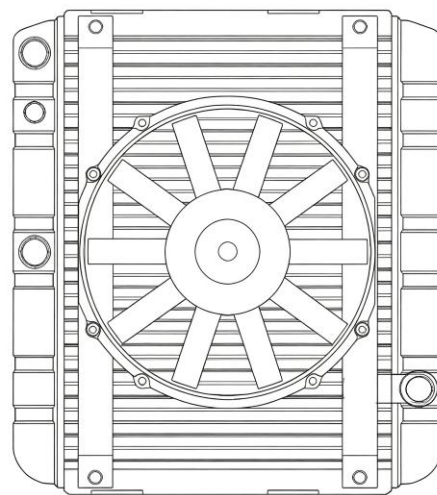
Never remove the pressure cap when the engine is warm or hot. Escaping steam can cause severe burns. The engine must be cool before removing the pressure cap.

Radiator Coolant Level Inspection

NOTE: This procedure is only required if the cooling system has been drained for maintenance and/or repair. However, if the recovery bottle has run dry, the level in the radiator should be inspected and coolant added if necessary.

NOTE: Use of a non-standard pressure cap will not allow the recovery system to function properly. If the cap should need replacement contact your dealer for the correct replacement part. To insure that the coolant maintains its ability to protect the engine, it is recommended that the system be completely drain every two years and a fresh mixture of antifreeze and water be added.

Using a funnel, slowly add coolant as necessary through the radiator filler neck.



Fuel and Oil system



WARNING

Gasoline is highly flammable and explosive under certain conditions.

- Always exercise extreme caution whenever handling gasoline.
- Always refuel with the engine turned off, outdoors or in a well-ventilated area.
- Do not smoke or allow open flames or sparks in or near the area where refueling is performed or where gasoline is stored.
- Do not over fill the tank. Do not fill the tank neck.
- If you get gasoline on your skin or clothing, immediately wash it off with soap and water and change clothing.
- Never start the engine or let it run in an enclosed area. Gasoline powered engine exhaust fumes are poisonous and can cause loss of consciousness and death in a short time.
- Shut off fuel valve whenever the ATV is stored or parked.



WARNING

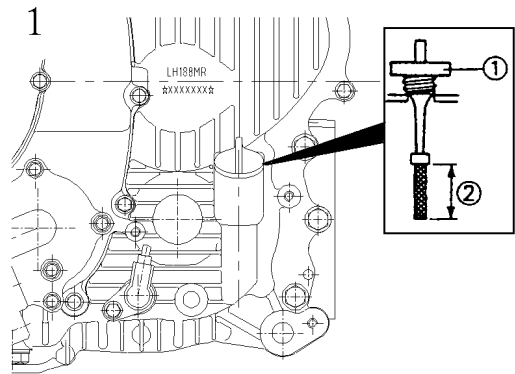
The engine exhaust from this product contains chemicals known, in certain quantities, to cause cancer, birth defects or other reproductive harm.

Oil System

The oil tank is located on the right side of the engine.

To check the oil:

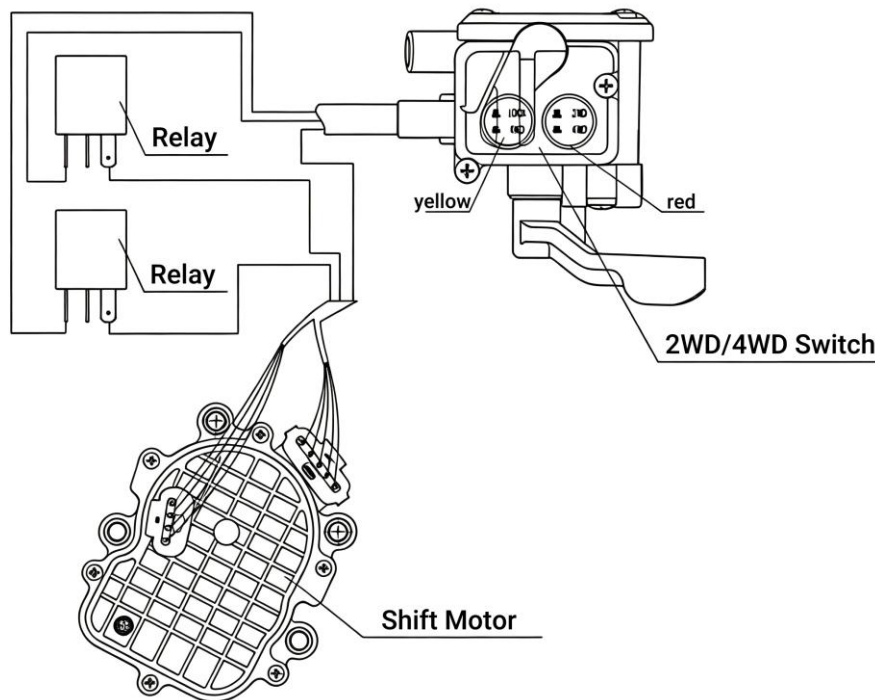
1. Set machine on a level surface.
2. Start the engine and let it idle for 20-30 seconds.
3. Stop the engine, remove dipstick (1) and wipe dry with a clean cloth.
4. Put dipstick into the oil tank (don't screw in it), remove it and read the oil level.
5. Remove dipstick and check to see that the oil level is between the full and add marks (2). Add oil as indicated by the level on the dipstick. Do not overfill.



CAUTION

Use only SAE 10W-50/SN. Never substitute or mix oil brands. Serious engine damage and voiding of warranty can result.

4 Wheel Drive /Diff Lock System



CAUTION:

Always shift when the vehicle stops.

NOTE:

When shift 2WD/ 4WD or Diff Lock, the mechanics in the front gear box may be still engaged/ disengaged, the mechanics would finally disengage/engage when it rides on a hard surface or rides in reverse.



CAUTION

Do not switch on 4WD if the rear wheels are spinning. This may cause severe machine damage. When switching on 4WD, the button will stay in 4WD position but 4WD mechanics maybe still disengaged. Always apply throttle gently and let the wheels move slightly to allow the 4WD mechanics finally engage. The 4WD indicator on the speedometer will come on when 4WD is engaged.

WARNING:

Extreme heavy steering is a symptom of malfunction of front gear case (differential), loss of control could result, even in 2WD

position. If you experience any symptoms from the steering, take the ATV to your dealer for inspection and service.

NOTE:

Steering effort increases but remains balanced from left to right.

WARNING

Asymmetrical heavy steering is a symptom of malfunction of one side inner or outer CV joints, loss of control could result, even in 2WD position. If you experience any symptoms from the steering, take the ATV to your dealer for inspection and service.

WARNING

You must inspect your ATV each time before riding to ensure it is in proper working order. If proper inspection is not done, severe injury or death could result.

Pre-ride inspection

You can tell if malfunctions in one side CV joints by pulling the handlebar to one side or riding the ATV in low speed. Steering remains balanced from left to right in 2WD and 4WD positions.

CAUTION:

Tire replacement

When fitting replacement tires on this 4WD ATV, it is important to fit the "original equipment" tires. Fitting tires from another manufacturer or of a different size will adversely affect the road handling of your 4WD ATV.

If the tires on this 4WD ATV are more than 50% worn, fitting only one new tire may also affect the road handling. In this case, it is recommended that 4 new original tires are fitted.

NOTE:

Use 4WD only when necessary. This will result in lower fuel consumption and longer life for the machine.

8. Starting the Engine

Procedure for Starting a Cold Engine



WARNING

Never run an engine in an enclosed area. Carbon monoxide exhaust gas is poisonous and can cause severe injury or death. Always start engines outdoors.



CAUTION

You must allow your vehicle adequate warm up time before operating or engine damage could result.

1. Place the transmission in neutral and reset the parking brake.
2. Sit on the vehicle.
3. Turn the engine stop switch to RUN.
4. Turn the ignition key to ON, apply the brake lever and press the starter button.
5. Do not press the throttle more than 20% while starting the engine.
6. Activate the starter for a maximum of five seconds, releasing the button when the vehicle starts. If engine does not start, release the starter for another five seconds. Repeat this procedure until engine starts.

9. Vehicle Break-in Period

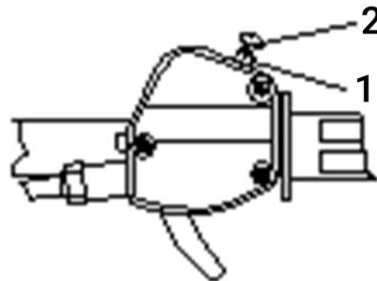
The break-in period for your new ATV is defined as the first 50 hours of operation. No single action on your part is as important as a proper break-in period. Careful treatment of new engine will result in more efficient performance and longer life for the engine. Perform the following procedures carefully.

CAUTION

Do not operate at full throttle or high speeds for extended periods during the break-in period. Excessive heat can build up and cause damage to close fitted engine parts.

Please set a limit to half throttle during the break-in periods.

1. Locknut 2. Adjuster



1. Fill fuel tank.
2. Check oil reservoir level indicated on dipstick. Add oil if necessary.
3. Drive slowly at first. Select an area which is open and will give you room to familiarize yourself with vehicle operation and handling.
4. Vary the throttle positions. Do not operate at sustained idle.
5. Perform regular checks on fluid levels, controls and all important areas on the vehicle as outlined earlier on the daily pre-ride inspection checklist found in "4. Daily Pre-Ride Inspection".
6. Don't pull loads.
7. Break in oil and filter. Change at 20 hours or 500 miles/800km.

10. Riding Gear

Safe Riding Gear

Always wear clothing suited to the type of riding you are doing. ATV riding requires special protective clothing which will make you feel more comfortable and reduce chances of injury.

1. Helmet

Your helmet is the most important piece of protective gear for safe riding. A helmet can prevent a severe head injury.

Select an approved helmet.

2. Eye Protection

A pair of goggles or helmet face shield offer the best protection for your eyes.

3. Gloves (off-road style)

4. Boots

A pair of strong over the calf type boots with heels, such as motocross boots.

5. Clothing

To protect your body, long sleeves and pants should always be worn. Riding pants with kneepads, a jersey and shoulder pads provide the best protection.

11. Carrying Loads

Your ATV has been designed to carry a certain amount of load. CARGO WEIGHT should be evenly distributed (1/3 on the front and 2/3 on the rear) and mounted as low as possible. When operating over rough or hilly terrain, reduce speed and cargo to maintain stable driving conditions. Never exceed the weights specified in your Owner's Manual.

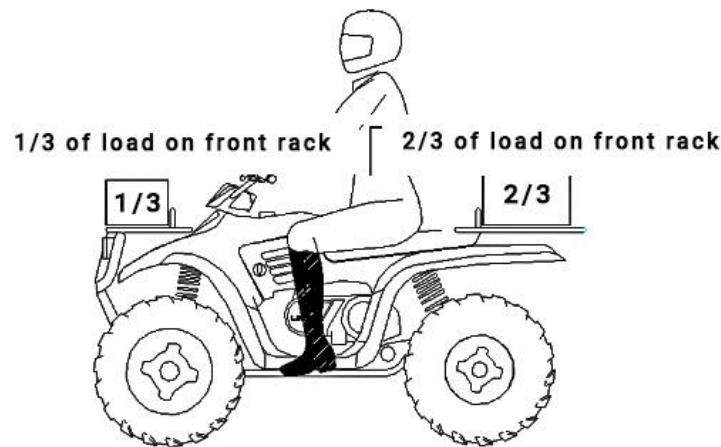
Maximum trailer weight-450 lbs (200kg) on level ground. Maximum vertical hitch weight-25 lbs (11kg).

Improper loading of the front rack can obstruct the headlight beam, reducing Light visibility. Do not obstruct the headlight beam with cargo.

Use of low forward gear is recommended in heavy pulling situations to extend belt life.

WARNING

Correct loading of this vehicle is necessary to maintain proper stability and operating characteristics. Overloading or incorrect positioning of the load affects the vehicle's turning, stopping distance and stability. Failure to follow loading requirements could cause severe injury or death.



Important Safeguards

To reduce risk of injury or machine damage when carrying loads, read and follow the warnings listed below:

- Reduce speed and allow greater distance for braking when carrying cargo.
- Cargo Weight Distribution should be 1/3 on the front rack and 2/3 on the rear rack. When operating over rough or hilly terrain, reduce speed and cargo to maintain stable driving conditions. Carrying loads on one rack only increases the possibility of vehicle tip over.
- Heavy loads can cause braking and control problems. Use extreme caution when applying brakes with a loaded vehicle. Avoid terrain or situations which may require backing downhill.
- All loads must be secured before moving the vehicle. Unsecured loads can create unstable operating condition, which could result in loss of control of vehicle.
- Loads must be carried as low on the racks as possible. Carrying loads high on the racks raises the center of gravity of the vehicle and creates a less stable operating condition. When cargo loads are carried high on the racks, the weight of the loads must be reduced to maintain stable operating conditions.
- Operate only with stable and safely arranged loads. Avoid handling off-centered loads which cannot be centered. Always attach the tow load to the hitch point designated for your ATV.
- Extreme caution must be used. Avoid operating with loads extending over the rack sides. Stability and maneuverability may be adversely affected, causing the vehicle to overturn.

- Do not block the headlights, taillights and reflectors when carrying loads on the racks.
- Do not travel faster than the recommended speeds. Vehicle should never exceed 10 mph (16km/h) while towing a load on a level grass surface. Vehicle speed should never exceed 5 mph(8km/h) when towing loads in rough terrain, while cornering, or while ascending or descending a hill.

Use A Safety Chain

- A safety chain will help control drawn machinery should it separate from the ATV drawbar.
- Use a chain with the strength rating equal to or greater than the gross weight of the towed machinery.
- Attach the chain to the ATV drawbar support or other specified anchor location. Allow only enough slack in the chain to permit turning.
- Do not use safety chain for towing.



12. Riding

WARNING

The engine rev limiter activates at 7500 RPM. This can lead to excess fuel accumulating inside the exhaust system, which may be ignited by the catalytic component within the muffler, causing the muffler to overheat and creating a fire hazard.

Always ease off the throttle once the engine reaches maximum RPM to prevent engine backfiring.

Riding this ATV with improperly tuned engine may cause the muffler to overheat and create a fire hazard. If the engine runs roughly, stop the ATV right away and arrange maintenance with an authorized dealer.

You must inspect you ATV each time before riding to ensure it is in proper working order. If proper inspection is not done, severe injury or death could result.

See "4. DAILY PRE-RIDE INSPECTION"

1. Sit upright with both feet on footrests and both hands on the handlebars.
2. After starting the engine and allowing it to warm up, shift the transmission into gear.
3. Check your surroundings and determine your path of travel.
4. Release the parking brake.
5. Slowly depress the throttle with your right thumb and begin driving. Vehicle speed is controlled by the amount of throttle opening.
6. Drive slowly, practice maneuvering and using the throttle and brakes on level surfaces.

Making turns

Practice making turns at slow speeds

This ATV is equipped with a solid rear axle which drives both rear wheels equally at all times. This means that the wheel on the outside of the turn must travel a greater distance than the inside wheels when turning and the inside tire must slip traction slightly. To turn, steer in the direction of the turn leaning your upper body to the inside of the turn while supporting your weight on the outer footrest. This technique alters the balance of traction between the rear wheels allowing the turn to be made smoothly. The same leaning technique should be used for turning in reverse.



WARNING

Avoid turning at sharp angles in reverse as tip over and severe injury may result.

Riding on slippery surfaces

Whenever riding on slippery surface such as wet trails or loose gravel, or during cold freezing weather, special attention must be paid to prevent vehicle turnover.

Always:

1. Slow down when entering slippery areas.
2. Maintain a high level of alertness, reading the trail and avoiding quick, sharp turns which can cause skids.
3. Correct a skid by turning the handlebars in the direction of the skid and shifting your body weight forward.
4. Never apply brakes during a skid. Complete loss of ATV control can result.
5. Do not operate on excessively slippery surfaces.
6. Always reduce speed and use additional caution.



WARNING

Failure to exercise care when operating the ATV on slippery surfaces can be dangerous.

Loss of tire traction and vehicle control can result in an accident, including an overturn.

Traveling Uphill



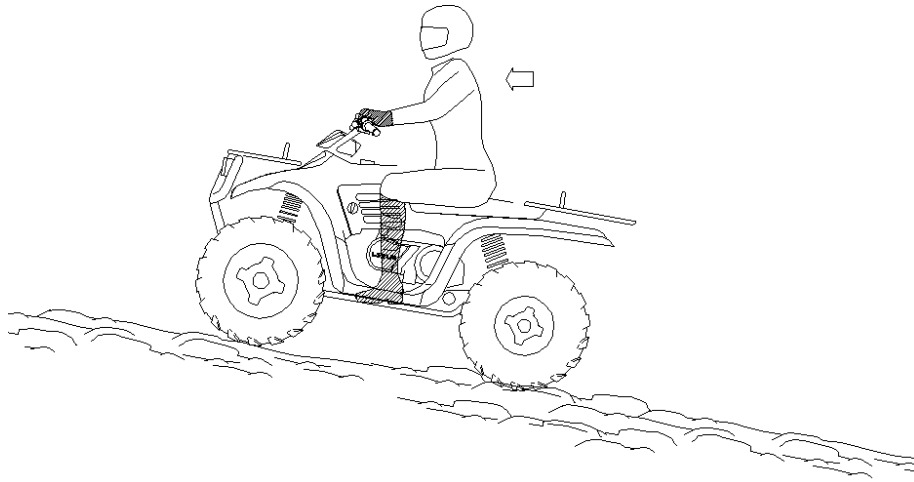
WARNING

Exercise extreme caution when traveling in hilly terrain.

Braking and handling are greatly affected. Loss of vehicle control or overturning of the ATV could occur causing severe injury or death.

Whenever traveling uphill always travel straight uphill and:

1. Avoid steep hills (15%maximum).
2. Keep both feet on the footrests.
3. Transfer your weight forward.
4. Proceed at a steady rate of speed and throttle opening.
5. Remain alert and be prepared to take emergency action. This may include quick dismounting of the ATV.



Side hilling

Side hilling your ATV is one of the most dangerous types of riding and should be avoided. If you do enter into a situation where side hilling is necessary, always:

1. Slow down.
2. Lean into the hill transferring your upper body weight toward the hill while keeping your feet on the footrests.
3. Steer slightly into the hill to maintain vehicle directions. If vehicle begins to tip, quickly turn the front wheel downhill, if possible, or dismount on the uphill side immediately!



WARNING

Improperly crossing hills or turning on hills can be dangerous. Loss of vehicle control or overturning of the ATV could occur causing severe injury or death.

Traveling Downhill.

Whenever descending a hill, always:

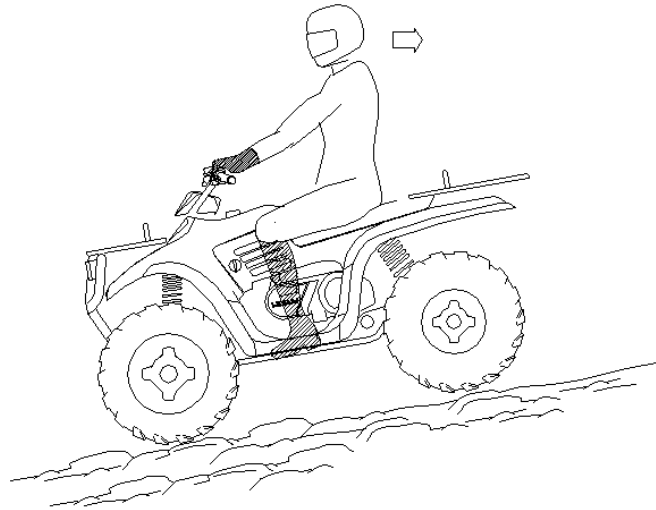
1. Drive directly downhill.
2. Transfer your weight to the rear of the vehicle.
3. Slow down.
4. Apply the brakes slightly to aid in slowing.

Familiarize yourself with the auxiliary rear brake pedal and its use in the event loss of normal service brakes occurs.

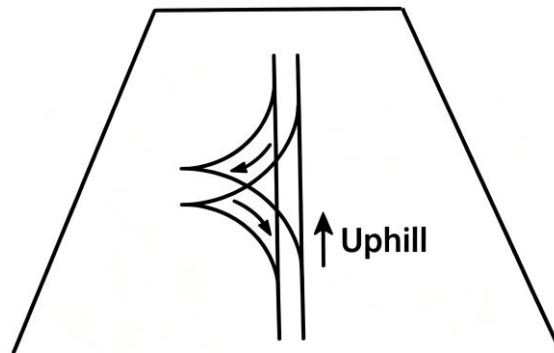


WARNING

Do not travel at excessive speeds. It is dangerous and can cause loss of vehicle control and tipping, resulting in severe injury or death.



Turning Around on a Hill



If the ATV stalls while climbing a hill, never back it down the hill! One maneuver which can be used when it is necessary to turn around while climbing a hill is the K-turn.

1. Stop and lock the parking brake while maintaining body weight uphill.
2. Leave transmission in forward and shut off engine.
3. Dismount on left or uphill side of ATV.
4. Staying uphill of ATV, turn handlebars full left (while facing front of ATV).
5. While holding service brake, release parking brake lock and slowly allow ATV to roll around to your right until ATV is pointing across the hill or slightly downward.
6. Lock the parking brake and remount ATV from the uphill side, maintaining body weight uphill.
7. Restart engine with transmission still in forward, release parking brake, and proceed slowly, controlling speed with the service brake, until ATV is on reasonably level ground.



WARNING

Avoid climbing steep hills. Loss of vehicle control or overturning of the ATV could occur resulting in severe injury or death.

Crossing Streams

Your ATV can operate through water up to a maximum recommended depth of 8 inches. Before fording streams always:

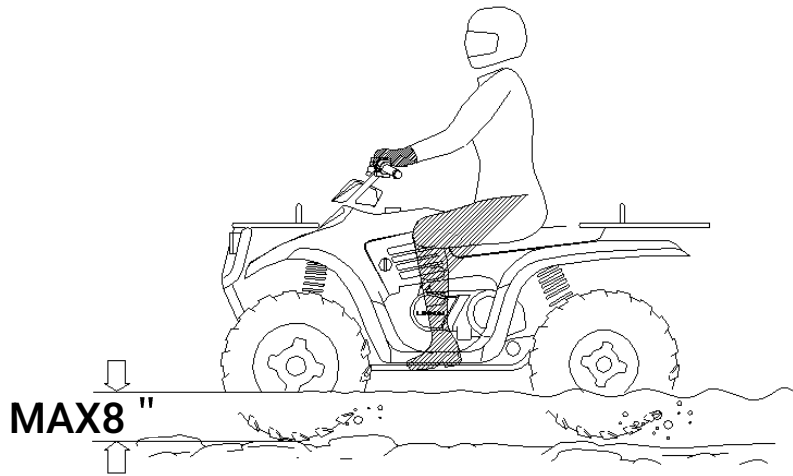
1. Determine water depths and current.
2. Choose a crossing where both banks have gradual inclines.
3. Proceed slowly, avoiding rocks and obstacles if possible.
4. After crossing, dry the brakes by applying light pressure to the lever until braking action is normal.



CAUTION

Never operate the ATV through deep or fast flowing water.

NOTE: After running the vehicle in water, it is critical your machine is serviced as outlined in the maintenance chart see "16.maintenance". The following areas need special attention: engine oil, transmission oil, rear gear case, and all grease fittings.



CAUTION

If your ATV becomes submerged, take it to your dealer before attempting to start the engine. Failure to have the machine thoroughly inspected may lead to severe engine damage.

If it is impossible to take it to a dealer before starting, follow the steps outlined below.

- Move the ATV to dry land or at the very least, to water depth not more than 8 inch (200mm).
- Remove the spark plug.
- Turn the engine over several times with electric start.
- Dry the spark plug and reinstall or replace with a new plug.
- Attempt to start the engine. If necessary repeat the "drying" procedure.
- Take the machine to your dealer for service as soon as possible whether you succeed in starting it or not.

If water has been ingested into the CVT system, take the ATV to your dealer for service as soon as possible.

Trail Obstacles

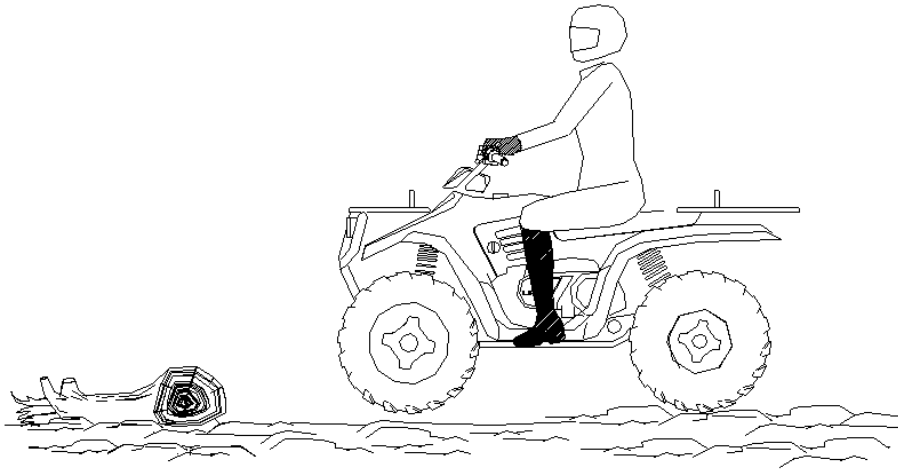
Keep Alert!

Lookahead and learn to read the trail as you ride. Stay on the right side of the trail, if possible, and be constantly alert for hazards such as logs, rocks and low hanging branches.



WARNING

Not all obstacles are visible. Travel with caution on trails. Severe injury or death can occur if the vehicle comes into contact with a hidden obstacle.



WARNING

Backing your ATV can be dangerous!

You could hit an obstacle or person behind you; or the vehicle could tip over rearward on a steep incline causing severe injury or death.

Backing up

1. Avoid backing up on steep inclines.
2. Always back slowly.
3. When in reverse, apply the brakes lightly for stopping.
4. Avoid turning at sharp angles in reverse.
5. Never open the throttle suddenly while backing.

NOTE: This ATV is equipped with a reverse speed limiter. Do not operate at wide open throttle. Only open the throttle enough to maintain a desired speed.



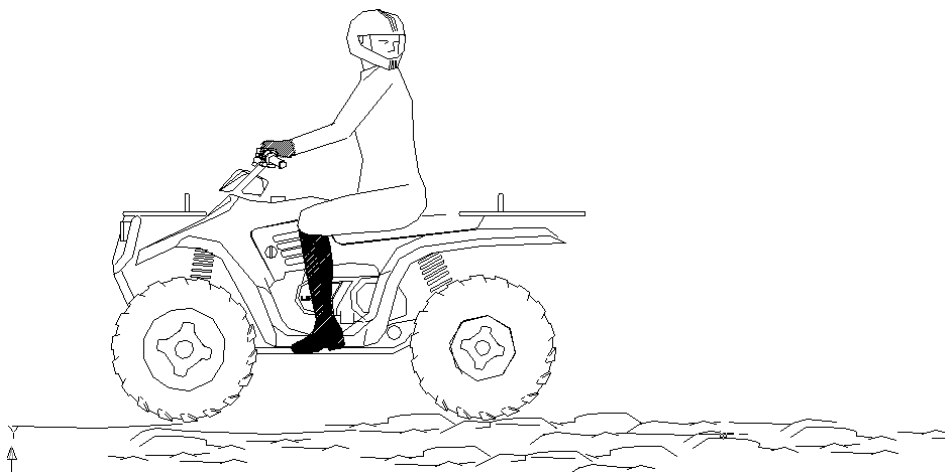
CAUTION

Opening the throttle more than required may cause excessive fuel to build in the exhaust, resulting in engine popping and/or engine damage.

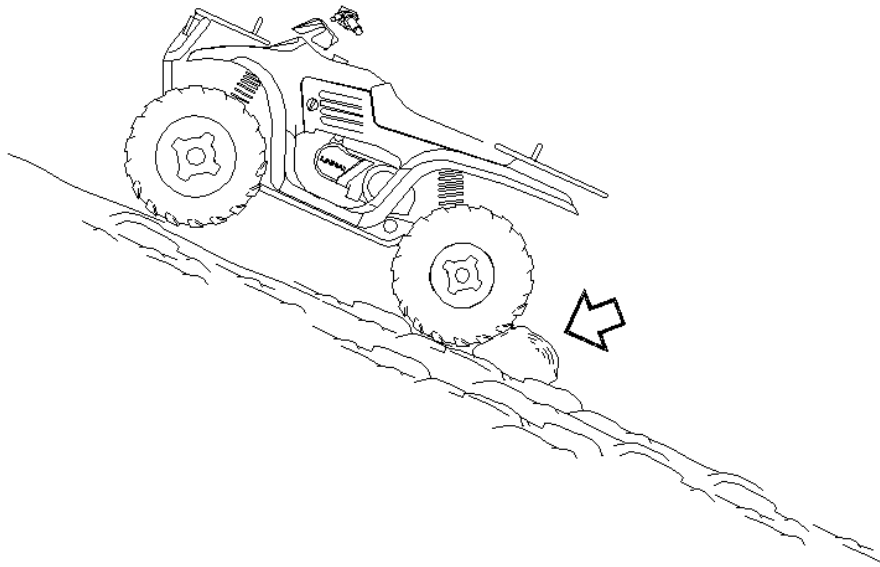


WARNING

Opening the throttle more than required may cause excessive fuel to build in the exhaust, which may be ignited by the catalyst in the muffler, possibly resulting in muffler overheating and a fire risk. Never ride with engine popping for more than 1 minute.



Parking on an incline



Whenever the vehicle is parked

1. Turn the engine off.
2. Apply the parking brake and verify the ATV cannot roll. Shift into PARK gear.
3. Avoid parking on slopes. If parking on an incline is unavoidable, always chock the downhill side of the rear wheels as illustrated above.
4. Do not leave the ATV parked on a hill relying solely on the parking brake for longer than five minutes.

13. CVT System



WARNING

The CVT system rotates at high speeds, creating large amounts of force on clutch components. However, as the owner you have the following responsibilities to make sure this system remains safe:

- Do not modify any component of the CVT system. Doing so may reduce its strength so that a failure may occur at high speeds. Any modification will cause the system to be out of balance, creating vibration and additional loads on components.
- Routine maintenance is the responsibility of the owner. Always follow recommended maintenance procedures. See your dealer!
- The CVT housing must be securely in place during operation.

Failure to comply with this warning can result in severe injury or death.

Low Range Use May Reduce CVT Operating Temperatures

The basic operation of the CVT system is dependent on engine speed and vehicle torque requirements. As engine speed increases, the force exerted on the movable drive sheave by the fly-weights also increases. This, in turn, increases the amount of "pinch" applied to the drive belt. Similarly, if the engine speed decreases, the amount of centrifugal force decreases, reducing the amount of belt "pinch."

CVT System

On this ATV, the approximate gear ratio difference between high and low range is 1:1.88. This difference in gearing affects the operation of the CVT, especially at speeds less than 7 MPH, due to the system's dependence on engine speed.

By switching to low range while operating at low ground speeds, the air temperature in the clutch will be reduced. Reducing the temperature inside the clutch cover extends the life of the CVT components (belt, cover, etc.).

When To Use Low Range

The following lists provide a guideline for when to use low range rather than high.

Low Range

- Basic operation at speeds less than 7 MPH (11km/h)
- Heavy pulling
- Riding through rough terrain (swamps, mountains, etc.) at low ground speeds

High Range:

- Basic operation at speeds greater than 7 MPH (11km/h)
- High ground speeds

14. Battery Maintenance



WARNING

Whenever removing the battery, disconnect the negative(black) cable first. When reinstalling the battery, connect the negative (black) cable last or an explosive situation could result causing serious injury or death.

Battery electrolyte is poisonous. It contains sulfuric acid. Serious burns can result from contact with skin, eyes or clothing. Antidote:

External: Flush with water.

Internal: Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg, or vegetable oil. Call physician immediately.

Eyes: Flush with water for 15minutes and get prompt medical attention.

Batteries produce explosive gases. Keep sparks, flame, cigarettes, etc. away. Ventilate when charging or using in an enclosed space. Always shield eyes when working near batteries.

Keep out of reach of children.

Replenishing the Battery Fluid

A poorly maintained battery will deteriorate rapidly. Check the battery fluid level often. The fluid level should be kept between the upper and lower level marks.

To refill use only distilled water.

Tap water contains minerals which are harmful to a battery.

Battery Removal

1. Disconnect hold down straps holding the electrical box and battery in position and remove battery cover.
2. Remove the battery vent tube from the battery.
3. Disconnect the black (negative) battery cable first.
4. Disconnect the red(positive) battery cable next.
5. Lift the battery out of the ATV, being careful not to tip it sideways and spill electrolyte.



CAUTION

If electrolyte spills, immediately wash it off with a solution of one tablespoon baking soda and one cup water to prevent damage to the ATV.

Battery Installation and Connections



WARNING

To avoid the possibility of explosion, always connect battery cables in the order specified. Red (positive) cable first; black (negative) cable last. An exploding battery can cause serious injury or death.

Battery terminals and connections should be kept free of corrosion.

If cleaning is necessary, remove the corrosion with a stiff wire brush. Wash with a solution of one tablespoon baking soda and one cup water. Rinse well with tap water and dry off with clean rags. Coat the terminals with dielectric grease or petroleum jelly. Be careful not to allow cleaning solution or tap water into the battery.

1. Set the battery in its holder.
2. Install the battery vent tube. It must be free from obstructions and securely installed. If not, battery gases could accumulate and cause an explosion. The tube should be routed away from the frame and body to prevent corrosion. Avoid skin contact with electrolyte, severe burns could result.
3. First connect and tighten the red (positive) cable.
4. Second connect and tighten the black (negative) cable.
5. Reinstall battery cover and attach the hold down strap.
6. Verify that cables are properly routed.

NOTE:

- When your ATV is placed in storage for one month or more, the battery should be removed, charged to proper level, and stored in a cool dry place.
- Before reusing, take the battery to your dealer for testing and recharging.
Power plug leads may need to be bent down so that battery cover may be installed.
- When installing a new battery, make certain it is fully charged prior to its initial use. Using a new battery that has not been fully charged can damage the battery resulting in a shorter life of the battery, it can also hinder vehicle performance.



CAUTION

Your ATV is equipped with a 30 Ah Battery. This may not be sufficient to provide power for optional equipment. When installing optional equipment please upgrade your battery as necessary. See your dealer for the proper battery.

15. Exhaust System Safety

System regulation

Tampering with noise control system prohibited!

CAUTION: Exhaust system components are very hot during and after use of ATV.

- Do not touch exhaust system components. Serious burns can result.
Be especially careful when traveling through tall grass. The potential for fire exists.

Spark Arrestor

The exhaust pipes must be periodically purged of accumulated carbon as follows:

1. Remove the arrestor screw ① located on the bottom of the muffler and remove the temperature detector located on the surface of the muffler, pull out the arrestor (the mesh)②.
2. Clean the arrestor or replace it.

When cleaning the spark arrestor, you must follow the safe guards listed below to avoid serious injury.

- Do not perform this operation immediately after the engine has been run because the exhaust system becomes very hot.
- Keep combustible materials away from exhaust system. Fire may result.

Catalyst

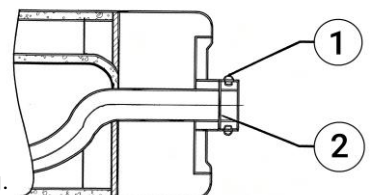
There is catalyst inside the muffler on all Europe models and some U.S. models.



WARNING

The engine rev limiter activates at 7500 RPM. This can cause excess fuel to accumulate in the exhaust system, which may be ignited by the catalyst inside the muffler, leading to muffler overheating and a fire hazard.

Always ease off the throttle when the engine reaches maximum RPM to prevent engine backfiring.



16. Maintenance



CAUTION

Due to the nature of the adjustments marked with a D on the following chart, it is recommended that service be performed by an authorized dealer.

- More often under severe use, such as dirty or wet conditions to purge water or dirt contamination from grease fittings and other critical components.

Periodic Maintenance Schedule

Careful periodic maintenance will help keep your vehicle in the safest, most reliable condition. Inspection, adjustment and lubrication intervals of important components are explained in the following chart on the following pages.

Maintenance intervals are based upon average riding conditions and an average vehicle speed of approximately 10 miles per hour. Vehicles subjected to severe use, such as operation in wet or dusty areas, should be inspected and serviced more frequently.

Inspect, clean, lubricate, adjust or replace parts as necessary.

NOTE: Inspection may reveal the need for replacement parts. Always use genuine parts available from your dealer.

Service and adjustments are critical. If you are not familiar with safe service and adjustment procedures, have a qualified dealer perform these operations.

Maintenance chart key

Symbol	Description
I	Inspect
A	Adjust
R	Replace
C	Clean

The maintenance interval charts below is operated for normal use and a clean environment.

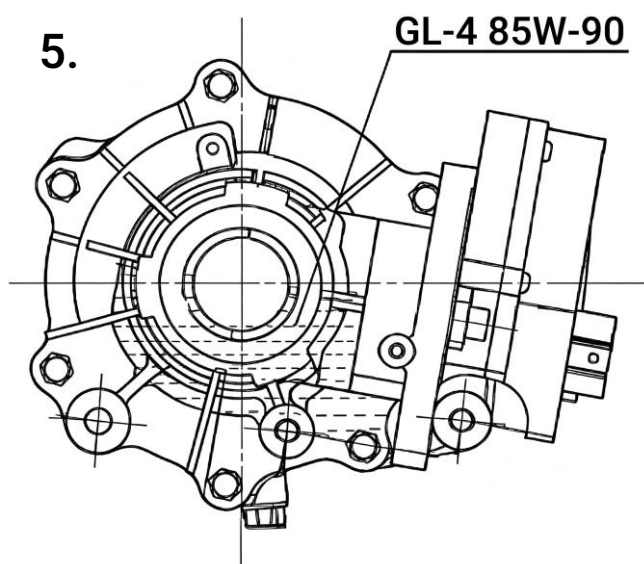
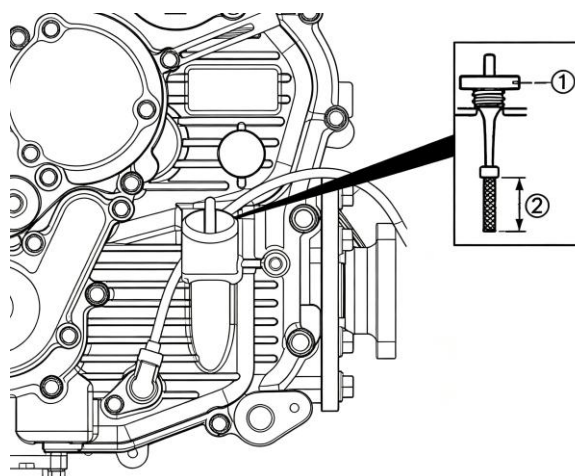
Maintenance period Items	Odometer (km)											
	300	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	Everyday check before riding
Engine Oil	R		R		R		R		R		R	I
Oil Filter	C				C				R			
Air filter	Clean filter every 4000 km. change it when necessary											
Valve gap				A					A			
Fuel Filter		R		R			R		R			
Brake System		I		I			I			I		I
Fasteners (Excluding Engine Bolt)	T				T				T			

Item	Hours	When	Remarks
Brake System	Pre-ride	Pre-ride	Pre-ride inspection item
Auxiliary Brake	Pre-ride	Pre-ride	Pre-ride inspection item
Tires	Pre-ride	Pre-ride	Inspect daily, pre-ride inspection item
Wheels	Pre-ride	Pre-ride	Pre-ride inspection item
Frame nuts, bolts fasteners	Pre-ride	Pre-ride	Pre-ride inspection item
Air Filter-Pre-Cleaner	Daily	Daily	Inspect-Clean
Coolant/Level Inspection	Daily	Daily	Replace engine coolant Every two year
Air Box Sediment Tube	Daily	Daily	Drain deposits whenever visible
Headlamp Inspection	Daily	Daily	Check operation daily; apply dielectric grease to connector when replaced
Tail lamp inspection	Daily	Daily	Check operation daily; apply dielectric grease to socket when replaced
Air Filter-Main Element	Weekly	Weekly	Inspect—Replace if necessary
Battery	20 hrs	Monthly	Check/clean Terminals; check fluid level
Brake pad wear	10 hrs	Monthly	Inspect periodically
Rear-Gear case Oil	100 hrs	Monthly	Check monthly and change annually
Front-Gear case Oil	100 hrs	Monthly	Check monthly and change annually
Engine Cylinder Head and Cylinder Base Fasteners (Only for 4WD)	25 hrs	3 months	Inspect (re-torque required at first service only)
General Lubrication	50 hrs	3 months	Lubricate all fittings, pivots, cables, etc.
Engine Oil-Level/Change	30 hrs	3 months	Check Level Daily; Break-in Service at 1 month. Change oil more often in cold weather use.
Oil Filter	50 hrs	6 months	Inspect-clean
Engine breather hose	100 hrs	6 months	Inspect
Throttle Cable	50 hrs	6 months	Inspect — adjust, lubricate, replace if necessary; pre-ride inspection item
Coolant strength	100 hrs	6 months	Inspect strength seasonally
Shift linkage	50 hrs	6 months	Inspect, adjust
Drive belt	50 hrs	6 months	Inspect, replace if necessary
Steering	50 hrs	6 months	Inspect daily, lubricate
Front Suspension	50 hrs	6 months	Inspect-lubricate, tighten fasteners
Rear Suspension	50 hrs	6 months	Inspect, tighten fasteners
Spark Plug	100 hrs	12 months	Inspect-replace if necessary
Fuel System	100 hrs	12 months	Check for leaks at tank cap, lines, filter. Replace lines every one year
Fuel Filter	100 hrs	12 months	Replace annually
Radiator	100 hrs	12 months	Inspect/clean external surface
Cooling System hoses	50 hrs	6 months	Inspect/replace if necessary
Clutches (drive and driven)	25 hrs	3 months	Inspect, clean

Item	Hours	When	Remarks
Engine mounts	25 hrs	3 months	Inspect
Valve clearance	100 hrs	12 months	Inspect/adjust
Shift selector box (H/L/R/N)	200 hrs	24 months	Change grease every two years
Brake fluid	200 hrs	24 months	Change every two years
Toe adjustment	As required	As required	Periodic inspection, adjust when parts are replaced
Headlight Aim	As required	As required	Adjust if necessary

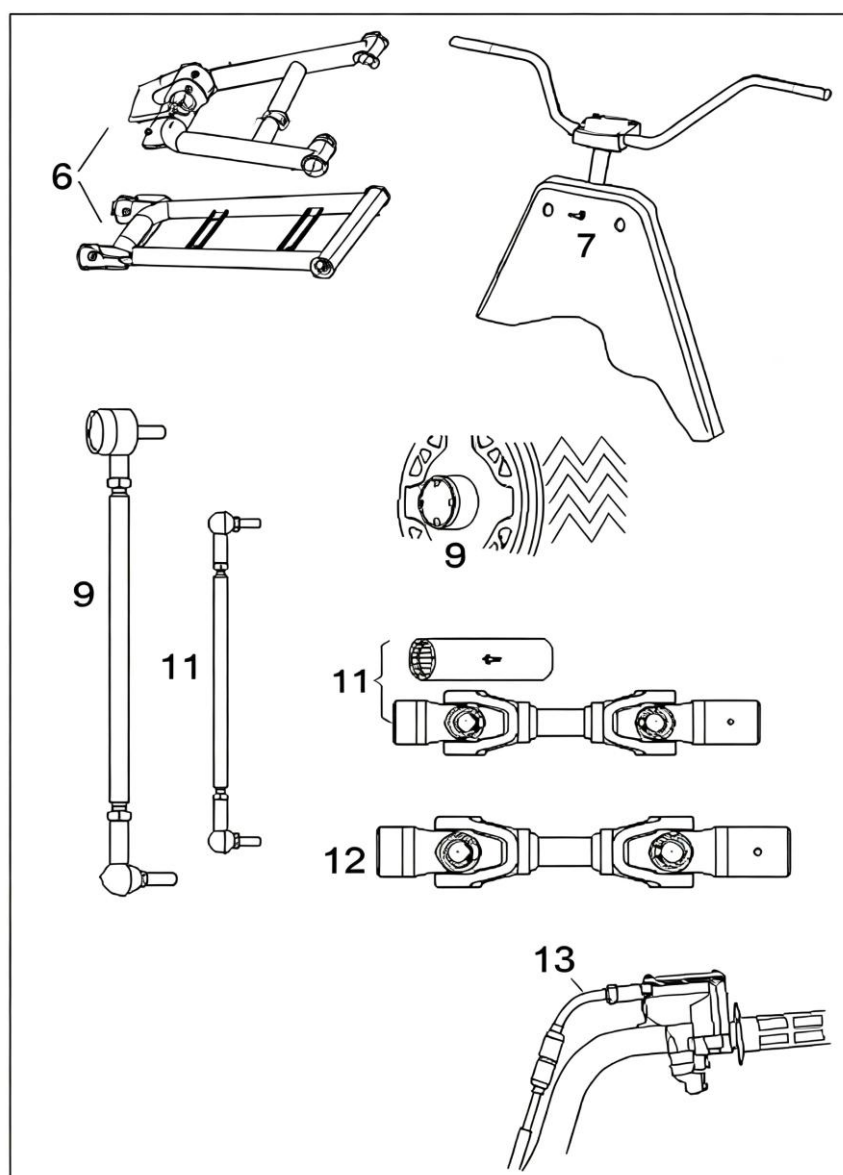
Lubrication Recommendations

Item	Lube Rec	Method	Frequency
1. Engine Oil	SAE10W-50/SN	Add to proper level on dipstick	Check level daily
2. Brake Fluid	DOT 3 Only	Maintain level between fill lines. See "7. Control and Parts Functions"	As required; change every two years or 200 hours
4. Rear Gear case oil	SAE GL-4 85W/90	See "16. MAINTENANCE/Rear Gear-case Lubrication"	Change annually or at 100 hours
5. Front Gear case oil	SAE GL-4 85W/90	See "16. MAINTENANCE/Front Gear-case Lubrication"	Change annually or at 100 hours



Lubrication Recommendations

Item	Lube Rec	Method	Frequency
6. Front A-arm pivot Shaft	Grease	Locate fitting on pivot shaft and grease with grease gun	Every 3 months or 50 hours
7. Steering Post Bushings	Grease	Locate fitting on pivot shaft and grease with grease gun	Every 3 months or 50 hours
8. Front/Rear Wheel bearings	Grease	Inspect and replace bearings if necessary	Semi-annually
9. Tie rods	Grease	Locate fittings and Grease	Semi-annually
10. Front/Rear Prop Shaft & Shaft Yoke	Grease	Locate fittings and Grease	Semi-annually
11. Ball joints	Inspect	Inspect and replace it if necessary	Semi-annually
12. Prop Shaft & Shaft Yoke	Grease	Locate fitting and Grease	Semi-annually
13. Throttle Cable	Grease M	Grease, inspect and replace it if necessary	Monthly or 20 hours
14. Rear Axle Bearing (on swing arm model)	Grease	Locate fittings and grease	Every 3 months or 50 hours
15. Swing Arm Bearing (on swing arm model)	Grease	Locate fittings and grease	Monthly or 20 hours



NOTE:

1. More often under severe use, such as wet or dusty conditions.
2. Grease: Light weight lithium-soap grease.
3. Grease M: molybdenum disulfide (MoS₂) grease (water resistant).
4. When suspension action becomes stiff or after washing.
5. Hours are based on 10 mph(16Km/h) average.

Periodic Maintenance Record

Use the following chart to record periodic maintenance work:

Maintenance Interval Performed	Servicing Date	Servicing Dealer or Person	Remarks
First 5 Hrs			
10 Hrs			
15 Hrs			
20 Hrs			
25 Hrs			
50 Hrs			
75 Hrs			
100 Hrs			

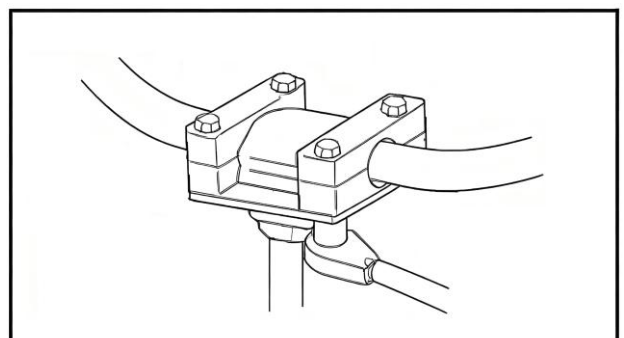
**WARNING**

Improper adjustment of the handlebars or incorrect torquing of the adjuster block tightening bolts can cause limited steering or loosening of the handlebars, resulting in loss of control and possible serious personal injury or death.

Handlebar Adjustment

Your ATV has handlebars which can be adjusted for your personal fit.

1. Remove the handlebar cover.
2. Loosen the four bolts.
3. Adjust handlebar to desired height. Be sure handlebars do not hit gas tank or any other part of machine when turned fully to left or right.
5. Torque handlebar adjuster block to 17 ft.lbs(23Nm).



NOTE: Tighten bolts so there is an equal gap at the front and rear of the handlebar block. Improper gap will result in improper fit of upper pod.

The following items should be checked occasionally for tightness; or if they have been loosened for maintenance service.

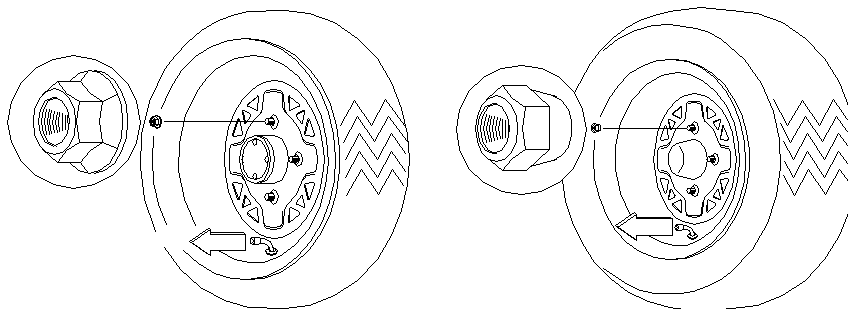
Wheel Nut Torque Specifications

Bolt Size	Specification	
Front (ALUMINIUM WHEEL) M12X1.25	70Ft.Lbs	96N.m
Rear (ALUMINIUM WHEEL) M12X1.25	70Ft.Lbs	96N.m

NOTE: All nuts that have a cotter pin installed must be serviced by an authorized Dealer.

Front Wheel Hub Tightening

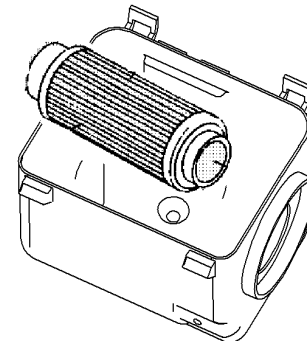
Front wheel bearing tightness and spindle nut retention are critical component operations. Service work must be performed by an authorized dealer.



Tapered nuts: install with tapered side against wheel.

Air Filter Service

1. Remove seat.
2. Release clips and remove Cover.
3. Loosen clamp and remove Filter.
4. Reinstall filter. Replace filter as required.
5. Reinstall filter into air box and tighten clamp. Do not over tighten clamp or filter damage may occur.



Steering Inspection

The steering assembly of the machine should be checked periodically for loose nuts and bolts. If loose nuts and bolts are found, have your dealer tighten them before riding your vehicle.

Camber and Caster

The camber and caster are non-adjustable.



WARNING

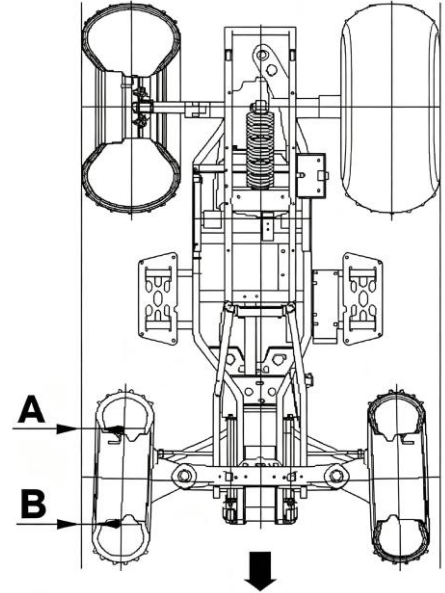
Do not attempt to adjust the tie rod for toe alignment. Severe injury or death can result from improper adjustment.

Contact your dealer. He/she has the training and tools to Make these adjustments.

Toe Alignment Check

The recommended toe alignment is 1/8" to 1/4" (3 to 6mm) toe out.

1. Set the handlebars in a straight-ahead position and hold them in this position.
2. Measure A and B, A minus B should be 1/16" to 1/8" (1.5 to 3mm).
3. If this measurement needs to be adjusted, contact your dealer for service.



Front Brake



WARNING

Once a bottle of brake fluid is opened, use what is necessary and discard the rest. Do not store or use a partial bottle of brake fluid. Brake fluid is hygroscopic, meaning it rapidly absorbs moisture from the air. This causes the boiling temperature of the brake fluid to drop, which can lead to early brake fade and the possibility of severe injury.

The front brake is hydraulic disc brakes which is depressing the foot pedal on the side of the right floorboard. These brakes are self-adjusting and require no adjustment.

The following checks are recommended to keep the brake system in good operating condition. How often they need checking depends upon the type of driving that has been done.

- Keep fluid level in the master cylinder reservoirs as described in "7. Control and Parts Functions" Normal functioning of the diaphragm is to extend into the reservoir as fluid level drops. If the fluid level is low and the diaphragm is not extended, a leak is indicated and the diaphragm should be replaced. Always fill the reservoir as indicated whenever the cover is loosened or removed to insure proper diaphragm operation. Use DOT 3 brake fluid.
- Check brake system for fluid leaks.
- Check brake for excessive travel or spongy feel.
- Check friction pads for wear, damage and loosened.
- Check security and surface condition of the disc.
- Pads should be changed when friction material is worn to 3/64" (1mm). (A).

Rear and Auxiliary Brake

Rear Brake

The rear brake is a hydraulic disc type brake which is activated by the same pedal (also brake lever on handlebar) which activates the front brake. The system is self-adjusting and requires no maintenance other than periodic checks of the pads for wear.

- Pads should be changed when the friction material is worn to 3/64" (1mm).
- Inspect the brake disc spline and pad wear surface for excessive wear.

Auxiliary Brake Systems

Your ATV's auxiliary brake system is intended to be used as a backup for the main brake system. Should the main system fail, the rear brake can be activated by the brake lever being moved toward the handlebar. The hydraulic brake system will not require adjustment.

NOTE: Since this is a rear brake only, it will not be as effective as the all wheel system.

Checking

Although the parking brake has been adjusted at the factory, the brake should be checked for proper operation. The mechanical brake must be maintained to be fully functional.

1. With the engine off, apply the parking brake lever and attempt to move the ATV.
2. If the rear wheels are locked, it is adjusted properly.
3. If the wheels are not locked, it must be adjusted.

Adjusting

To adjust (set up) the mechanical parking brake, use the following procedure.

Note: The adjusting on the caliper is for the wear out of the pads.

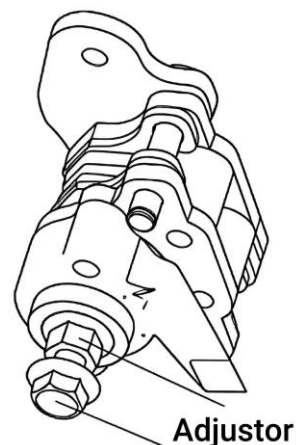
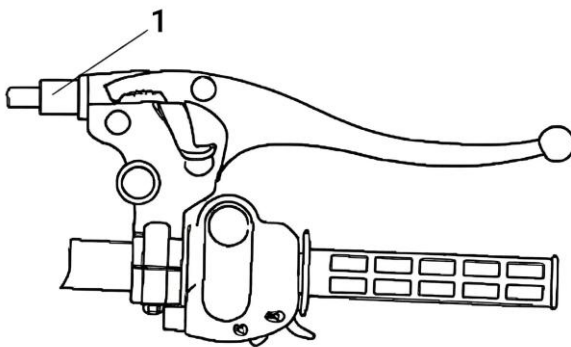
1. With the engine off, loosen the adjuster on the lever.
2. Loosen the jam nut of the adjuster on the caliper.
3. Turn the adjuster (bolt) CW (clockwise) by hand pad touches the brake disc, turn the adjuster bolt CCW (counterclockwise) by 1/4 to one turn for 10 to 20mm free play at the end of the parking lever.
4. Tighten the jam nuts securely against the adjusters.
5. Make sure the rear wheels turn freely without dragging.
6. Turn the adjuster (the one on the lever) and apply the lever. While adjusting, it is important you apply the lever back and forth for operation, free play and the locking of the parking position.
7. Make sure the rear wheels turn freely without dragging and parking brake works properly.

CAUTION Don't over tighten the adjuster. Free play of the lever: 20mm.

8. Field test for parking. It must be capable of holding the laden ATV stationary on an 18% up and down gradient.

The temporary adjusting can be done to the brake cable on the parking lever side by turning the adjuster (nut) directly.

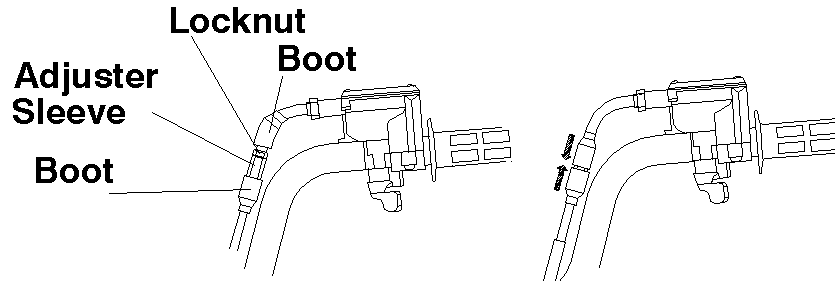
But the adjust range is limited. Always do the procedure 1 to 8 when necessary.



Throttle Cable Free Play Adjustment

Throttle cable free play is adjusted at the handlebar.

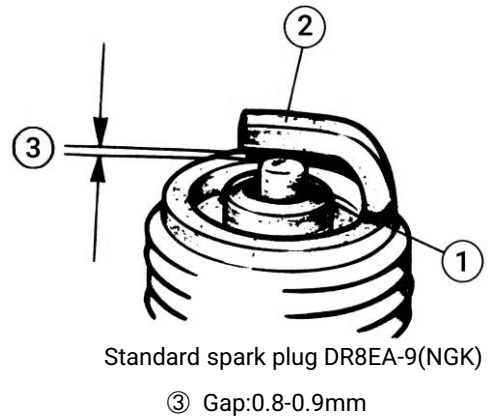
1. Slide the boots off the inline cable adjuster. Loosen adjuster locknut.
2. Turn adjuster until 1/16" to 1/8" (2to3mm) free play is achieved at thumb lever.
3. NOTE: While adjusting free play, it is important you flip the throttle lever back and forth.
4. Tighten locknut and slide boots over cable adjuster.



Spark Plugs

Inspect:

- Insulator ①
Abnormal color: Replace. Normal color is a medium-to-light tan color.
- Electrode ②
Wear/damage: Replace. Clean.
- Spark plug
(with spark plug cleaner or wire brush) Measure.
- Spark plug gap ③
Out of specification: Adjust gap.



Standard spark plug DR8EA-9(NGK)

③ Gap:0.8-0.9mm

Spark Plug Removal and Replacement



WARNING

Never attempt to remove a spark plug while the engine is warm. The exhaust system or engine could burn you causing severe injury.

Remove the spark plug by rotating counterclockwise.

Reverse the procedure for spark plug installation. Torque to 17ft.lbs (23N.m).

Oil and Filter Change

The recommended oil change interval is 30 hours, or every 3 months, whichever comes first. Suggested break in oil change is at 20 hours, or one month, whichever comes first. Severe use operation requires more frequent service. Severe use includes continuous duty in dusty or wet conditions, and cold weather riding.

NOTE: Severe use cold weather riding is all riding below

10°F(-12°C), and riding between 10°F (-12°C) and 30°F (0°C) when most trips are slow speed and less than 5 mph (8km/h). Be sure to change the oil filter whenever changing oil.

CAUTION

Oil may be hot. Do not allow hot oil to come into contact with skin as severe burns may result.

1. Place vehicle on a level surface;
2. Run engine two or three minutes until warm, Stop engine;
3. Clean area around drain plug;
4. Place a drain pan beneath engine crankcase and remove drain plug;
5. Allow oil to drain completely;
6. Reinstall drain plug and torque to 18ft.lbs (25N.m)

Rear Gear-case Lubrication

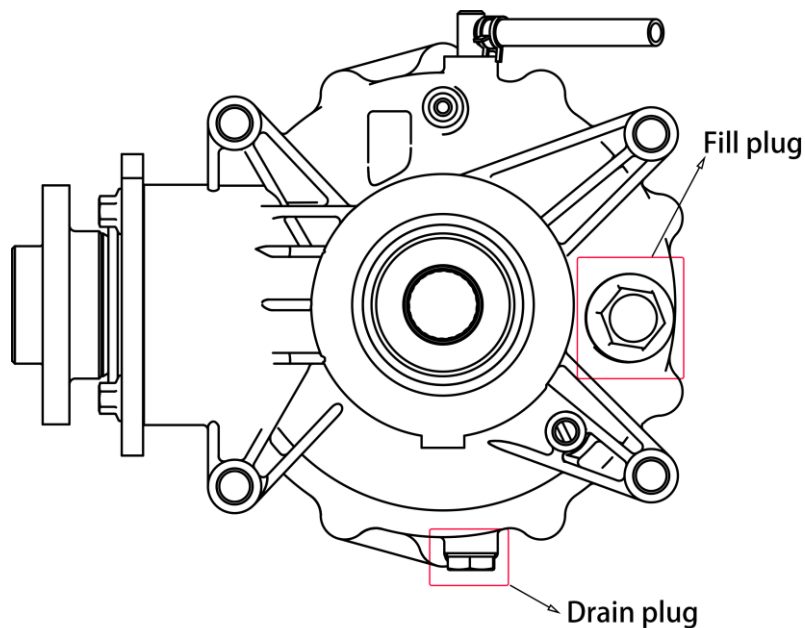
CAUTION

Be sure no foreign material enters the gear case.

With the ATV on a level surface, remove fill plug and visually inspect the lubricant level through the fill hole. Lubricant should be kept even with the center of the drill point approximately below the top of the fill hole.

NOTE: Do not add lubricant to the bottom of the fill plug threads. The correct gearcase lubricant to use is SAE GL-4 85W/90 Weight Gear Lube.

Oil Changing Procedure



1. Remove the drain plug . Catch and discard used oil properly.
2. Clean and reinstall the drain plug with a new sealing washer and tighten securely (14 ft. lbs/20N.m).
3. Remove the fill plug and add 11 ounces (300ml) of SAE GL-4 85W/90 Weight Gear Lubricant and inspect oil level. Oil level should be kept even with the center of the drill point (approximately below the top of the fill hole).
4. Reinstall the fill plug. Tighten securely (24.5 ft. lbs/35N.m).
5. Check for leaks.

Rear Gearcase Lubrication

CAUTION

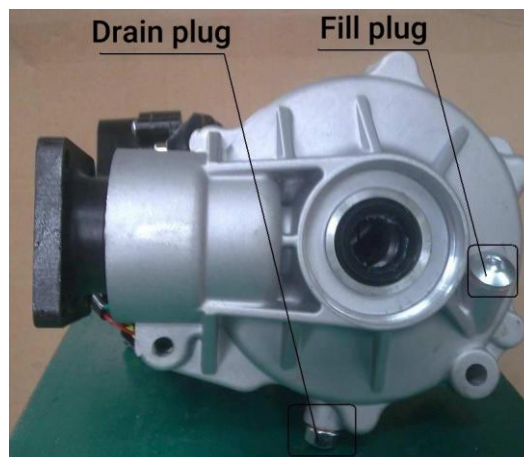
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With the ATV on a level surface, remove fill plug and visually inspect the lubricant level through the fill hole. Lubricant should be kept even with the center of the drill point approximately below the top of the fill hole.

NOTE: Do not add lubricant to the bottom of the fill plug threads. The correct gearcase lubricant to use is SAE GL-4 85W/90 Weight Gear Lube.

Oil Changing Procedure

1. Remove the drain plug. Catch and discard used oil properly.
2. Clean and reinstall the drain plug with a new sealing washer and tighten securely (14 ft. lbs/20N.m).
3. Remove the fill plug and add 11 ounces (330ml) of SAE GL-4 85W/90 Weight Gear Lubricant and inspect oil level. Oil level should be kept even with the center of the drill point (approximately below the top of the fill hole).
4. Reinstall the fill plug. Tight securely (24.5 ft. lbs/35N.m).
5. Check for leaks.



WARNING

Operating your ATV with worn tires, improperly inflated tires, non-standard tires or improperly installed tire will affect vehicle handling which could cause an accident resulting in serious injury or death.

Follow the safeguards listed below to prevent this type of situation.

Important Safeguards

Maintain proper tire pressure according to charts below. Improper tire inflation may affect ATV maneuverability.

Do not use improper tires. The use of non-standard size or type tires may affect ATV handling.

Make certain the wheels are installed properly. If wheels are improperly installed it could affect vehicle handling and tire wear.

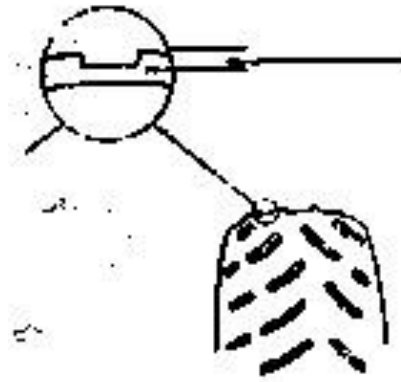
Wheel Removal Procedure

1. Stop the engine, place the transmission in gear and lock the parking brake.
2. Loosen the wheel nuts slightly.
3. Elevate the side of the vehicle by placing a suitable stand under the footrest frame.
4. Remove the wheel nuts and remove the wheel.

Tire Pressure	
front	rear
48kPa/7PSI	48kPa/7PSI

Wheel Installation

1. With the transmission engaged and parking brake applied, fit the wheel onto the wheel hub in the correct position. Ensure the valve stem faces outward and the rotation arrows marked on the tire point in the forward driving direction.
2. Install wheel nuts and tighten them by hand only.
3. Lower the vehicle to the ground.
4. Fully torque the wheel nuts in accordance with the torque specification table in Section 16 MAINTENANCE – Wheel Nut Torque.



Tire Tread Depth

Always replace tires when tread depth is worn to 1/8" (3mm) (1) or less. Please refer to your Owner's Manual for tire specifications.

High and Low Beam



WARNING

If the vehicle is stopped for a long time, turn off the high and low beam lights.

Headlight Lamp Replacement



WARNING

Keep your headlights and taillights clean. Poor light while riding can result in an accident-causing severe injury or death.



CAUTION

Do not service while headlight is hot. Serious burns may result.

Do not touch a halogen lamp with bare fingers. Oil from your skin leaves a residue, causing a hot spot which will shorten the life of the lamp.

The Headlight/position light (LED) Replacement.

1. If the headlight/position light does not work, it may need to be replaced
2. Remove mounting screw.
3. Unplug light from harness.
4. Test the light to see if it works.
5. Install new light and reassemble.

Taillight /Brake light Lamp Replacement

If the taillight /brake light does not work the lamp may need to be replaced.

1. Remove the lens.
2. Remove lamp and replace it with recommended lamp.
3. Test the taillight/ brake light to see that it's working.
4. Reinstall the lens.

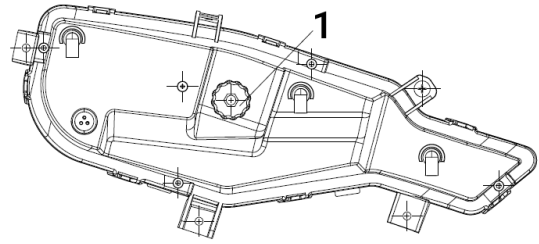
Indicator Lamp Replacement

1. Remove mounting panel.
2. Unplug light from harness, depress locking tabs (A) and remove from pod.
3. Install new light and reassemble panel.

High beam Headlight Adjustment

The High beam headlight can be adjusted up and down.

1. Place the vehicle on a level surface with the headlight approximately 10' (3m) from a wall.
2. Measure the distance from the floor to the center of the headlight and make a mark on the wall at the same height.
3. Start the engine and turn the headlight switch to high beam.
4. Observe headlight aim. The most intense part of the headlight beam should be aimed 2.8" (71mm) below the mark placed on the wall in step 2.
5. NOTE: Riding weight must be included on the seat.
6. To turn the two adjusting bolt ① clockwise is to heighten the beam area and to turn the two adjusting bolt ① counterclockwise is to lower the beam area.



The dipped headlight adjustment is the same as the High beam Headlight.

Cleaning Your ATV

Keeping your ATV clean will extend the life of various components.

Washing

Never use a high pressure type car wash system, it can damage the wheel bearings, transmission seals, body panels, brakes and warning labels, and water might enter the engine or exhaust system.

The best and safest way to clean your ATV is with a garden hose and a pail of mild soap and water. Use a professional type washing mitten, cleaning the upper body first and lower parts last. Rinse with water frequently and dry with a chamois to prevent water spots. NOTE: If warning labels are damaged, contact your dealer for replacement.

Waxing

Your ATV can be waxed with any non-abrasive automotive paste wax. Avoid the use of harsh cleaners since they can scratch the body finish.



CAUTION

Certain products, including insect repellants and chemicals, will damage plastic surfaces. Care must be taken when using these products on plastic surfaces.

Storage Tips



CAUTION

Do not start the engine during the storage period. This will disturb the protective film created by fogging.

Cleaning--Clean the ATV thoroughly.

Oil Add and Filter Change--Warm the engine and change oil and filter.

Air Filter/Air Box--Inspect and clean or replace the pre-cleaner and air filter. Clean the air box and drain the sediment tube.

Inspect All Fluid Levels--Inspect the following fluid levels and change if necessary: transmission; brake fluid (change every two years or as required if fluid looks dark or contaminated).

Fog the Engine--Spray a light oil into the cylinder through the spark plug hole.

Check and Lubricate Cables/Grease--Inspect all cables and lubricate.

Battery Maintenance--Remove the battery and add distilled water as required to the proper level. Do not use tap water which may contain minerals that reduce battery life. Apply Dielectric Grease to the terminal bolts and terminals. Charge the battery.

Storage Area/Covers--Set tire pressure and safely support the ATV with the tires 1-2" (25-50mm) off the ground. Be sure the storage area is well ventilated. Cover the machine with a ATV cover.

NOTE: Do not use plastic or coated materials. They do not allow enough ventilation to prevent condensation, and may promote corrosion and oxidation.

Transporting

Whenever the ATV is to be transported the following measures should be taken.

1. Turn off the engine and remove the key.
2. Turn the fuel valve to off.
3. Be certain the fuel cap, oil cap, and seat are installed correctly.
4. Always tie the frame of the ATV to the transporting vehicle securely using suitable straps or rope.
5. Always place the transmission in gear and lock the parking brake.

17. Troubleshooting

Issues of Improper Operation Driven Clutch (CVT) Burning

Possible Causes	Solutions
Loading the ATV into a pickup or tall trailer when in high range.	Shift transmission to Low Range during loading of the ATV to prevent belt burning.
Starting out going up a steep incline	When starting out on an incline, use low range, or dismount the ATV after first applying the park brake and perform the "K" turn as described in this manual.
Driving at low RPM or low ground speed (at approximately 3-7MPH/ 5-12km/h)	Drive at higher speed or use low range. The use of low range is highly recommended for cooler CVT operating temperatures and longer component life.
Insufficient warm-up of ATV's exposed to low ambient temperatures.	Warm engine at least 5 min., then with transmission in neutral, advance throttle to approx. 1/8 throttle in short bursts, 5 to 7 times. The belt will become more flexible and prevent belt burning.
Slow and easy clutch engagement.	Fast, effective use of the throttle for efficient engagement.
Towing /Pushing at low RPM/low ground aped.	Use Low Range only.
Stuck in mud or snow.	Shift the transmission to Low Range carefully use fast, aggressive throttle application to engage clutch. WARNING: Excessive throttle may cause loss of control and vehicle overturn.
Climbing over large objects from a stopped position.	Shift the transmission to Low Range carefully use fast, brief, aggressive throttle application to engage clutch. WARNING: Excessive throttle may cause loss of control and vehicle overturn.

Battery Warning

Possible Cause	Solutions
Starting a faulty engine for long time	See "8. STARTING THE ENGINE" And check the fuel/ air/ ignition/ compression system
Leaving the main switch (key) on while parking the ATV	When stopping the engine, turn the main switch (key) off at once



WARNING

This ATV is equipped with an EFI system. If the battery is under 12 volts, the engine will not start.

NOTE:

The following troubleshooting does not cover all the possible causes of trouble. It should be helpful, however, as a guide to troubleshooting. Refer to the relative procedure in this manual for inspection, adjustment and replacement of parts. Adjustment and replacement must be done by your dealer.

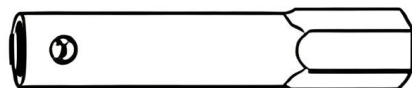
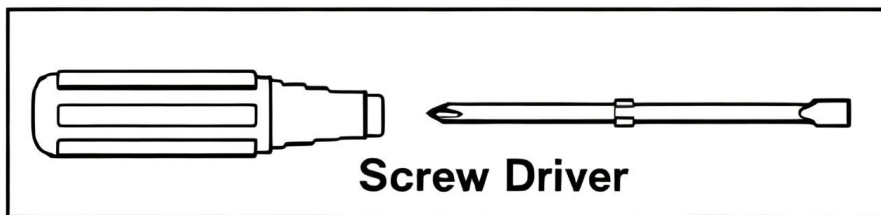
Problem/Issue	Parts Inspection		Possible Causes
Starting Failure / Hard Starting	Fuel System	Fuel tank	• Empty • Clogged fuel tank breather pipe • Deteriorated fuel or fuel containing water or foreign material • fuel filter clogging • the fuel pressure not correct
		Throttle body	• The connect not good
		Air cleaner	• Clogged air cleaner element • Improper air cleaner setting
	Compression System	Cylinder and cylinder head	• Loose spark plug • Loose cylinder head • Broken cylinder head gasket • Broken cylinder gasket • Worn, damaged or seized cylinder
		Piston and Piston ring	• Worn piston • Worn/fatigued or broken piston ring • Seized piston ring • Seized or damaged piston
		Valve system	• Improperly adjusted clearance • Improperly sealed valve • Improperly contacted valve and valve seat • Improper valve timing • Broken valve spring • Seized valve
	Ignition System	Battery	• Improperly charged battery • Faulty battery
		Ignition system	• Faulty ignitor unit • Faulty pick up coil • Broken magneto woodruff key

Problem/Issue	Parts Inspection		Possible Causes
	Ignition System	Fuse	• Burnt out, improper connection
		Spark plug	• Improper plug gap • Worn electrodes • Wire between terminals broken • Improper heat range • Faulty spark plug cap
		Switch	• Faulty main switch • Faulty "ENGINE STOP" switch • Faulty brake switch
		Ignition coil	• Broken or shorted primary/secondary coil • Faulty high tension cord • Broken ignition coil body
		Wiring	• Loose battery terminal • Loose coupler connection • Improperly grounded • Broken wire harness
Poor Idle Speed Performance	Air cleaner		• Clogged air cleaner element
	Ignition system		• Faulty spark plug • Faulty high tension cord • Faulty ignitor unit • Faulty pickup coil • Faulty ignition coil
	Valve system		• Improperly adjusted valve clearance
	EFI		• the fuel pressure not correct • fuel injector clogging • fuel filter clogging
Poor Medium and Highspeed Performance	Air cleaner		• Clogged air cleaner element
	EFI		• the fuel pressure not correct • fuel filter clogging • fuel injector clogging
Poor Speed Performance	Ignition system		• Dirty spark plug • Improper heat range • Faulty igniter unit • Faulty pickup coil

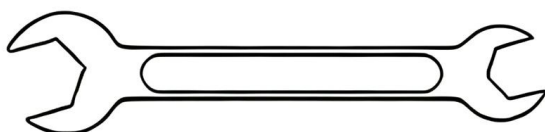
Problem/Issue	Parts Inspection	Possible Causes
Poor Speed Performance	Compression system	• Worn cylinder • Worn or seized piston ring • Cylinder head gasket broken • Cylinder gasket broken • Carbon deposit buildup • Improper adjusted valve clearance • Improper contacted valve and valve seat • Faulty valve timing
	Fuel system	• Clogged fuel tank breather hole • Clogged air cleaner element • Fuel filter clogging • the fuel pressure not correct
	Clutch	• Refer to "CLUTCH SLIPPING / DRAGGING" section
	Engine oil	• Improper oil level (low or over oil level)
	Ignition system	• Faulty spark plug • Faulty high tension cord • Faulty ignitor unit • Faulty pickup coil • Faulty ignition coil
	Valve system	• Improperly adjusted valve clearance
Over-Cooling	Cooling system	• Faulty thermostat • Faulty thermo switch
Over heating	Ignition system	• Improperly spark plug gap • Improper spark plug heat range • Faulty igniter unit
	Compression system	• Heavy carbon deposit build-up • Improperly adjusted valve timing • Improperly adjusted valve clearance
	Engine oil	• Incorrect engine oil level • Improper engine oil quality (High viscosity) • Low engine oil quality
	Brakes	• Dragging brake
	Cooling system	• Inoperative fan motor • Faulty thermostat • Faulty thermo Switch • Incorrect coolant level (low coolant level) • Faulty radiator (Clogged, damage) • Faulty radiator cap • Impeller shaft gear malfunction (bent dowel pin, gear) • Damaged impeller shaft • Disconnected fan motor connector

Problem/Issue	Parts Inspection	Possible Causes
Engine runs but ATV cannot move	V Belt	• Worn/bent/slipping
	Cam, slider	• Worn/damaged
	Compression spring	• Damage
	Gears	• Damage
Poor Speed Performance	V-belt	• Worn • Oil V belt
	Roller weight	• Worn/improper operation/primary/secondary/sheave • Worn
Clutch slipping	Clutch weight spring	• Worn/loose
	Clutch shoe	• Worn/damaged
	Primary sliding sheave	• Seized
CVT system	Incorrect Primary Clutch Position	• Incorrect engine mount (see 13. CVT system)
Poor Starting Performance	V-belt	• Slipping/oily V-belt
	Primary sliding sheave	• Improper operation • Damage
	compressing spring	• Worn/loose
	Secondary sliding sheave	• Improper operation • Worn guide pin groove • Worn guide pin
	Clutch shoe	• Worn/ bent
Faulty Brake	Poor Braking Effect	• Worn front hub bearing • Worn brake pad • Worn brake disc • Air in brake fluid • Leaking brake fluid • Faulty master cylinder kit • Faulty caliper seal kit • Loose union bolt • Broken brake hose • Oily or greasy brake pad • Oily or greasy brake disc

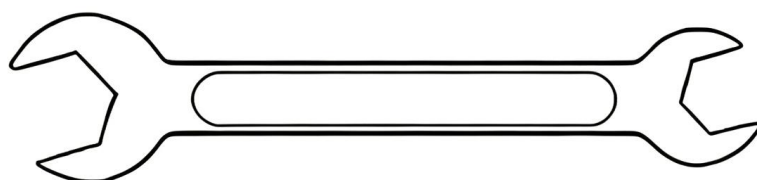
18. Tools



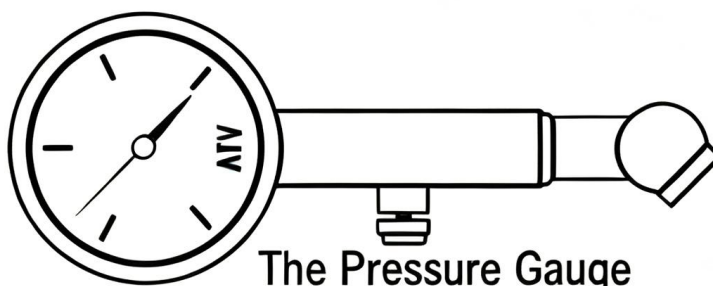
Spark Plug Wrench



Wrench (8,10mm)

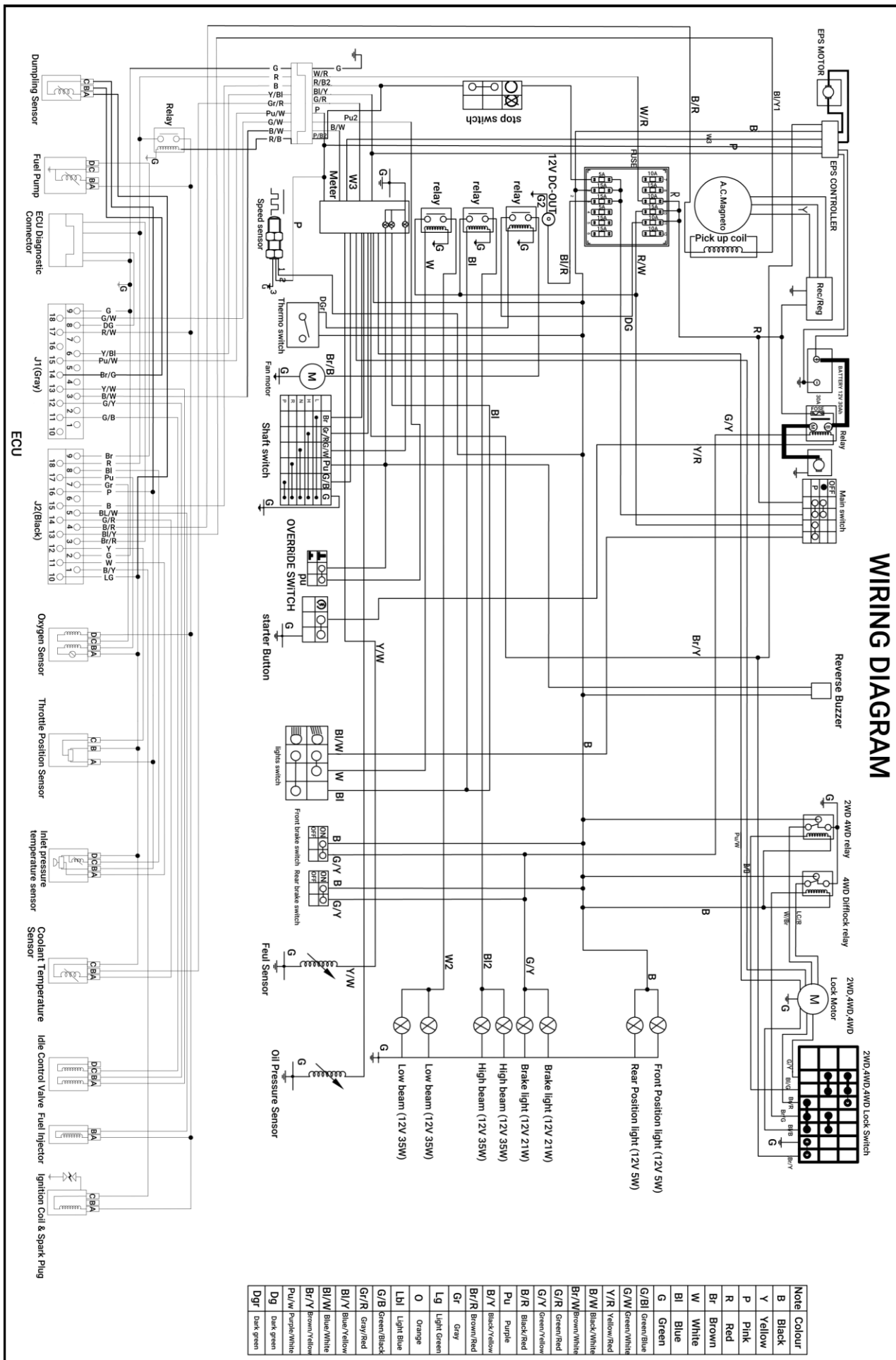


**Wrench
(12.,14mm)**



The Pressure Gauge

19. Wiring Diagram

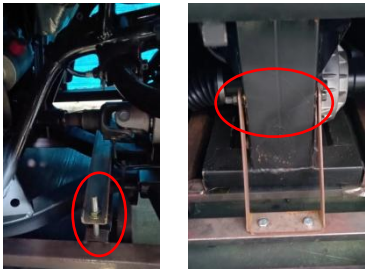


20. Specification

Model		ATV765	
Fuel capacity		20L	5.28 U.S.Gal
Engine Oil Capacity		2.2L	0.58 U.S.Gal
Ground Clearance		270mm	10.6 inch
Length		2395mm	94 inch
Width		1305mm	51 inch
Height		1330mm	52 inch
Seat height		880mm	35 inch
Wheel Base		1470mm	58 inch
Turn diameters		7000mm	276 inch
Dry Weight		395kg	871 lbs
Front Rack		10kg	22 lbs
Rear Rack		20kg	44 lbs
Load Capacity (Combined Rider& Payload)		170kg	375 lbs
Tongue Weight		10kg	22 lbs
Tow Capacity		208kg	459 lbs
Drive System			
Drive System		CVT	
Tire Pressure	Front Tire	48kPa (7PSI)	
	Rear Tire	48kPa (7PSI)	
Brake System			
Service Brake	Front Brake	Hydraulic Disc	
	Rear Brake		
Parking Brake	All Wheel	Hydraulic Lock	
Auxiliary Brake	Rear Brake	Hydraulic Disc	
Engine			
Engine Type		LH191MS 4Stroke, Single Cylinder, SOHC	
Bore x Stroke		91mmX90mm	
Displacement		585.3cc	
Starter System		Electric Starter	
Engine Cooling		Liquid-Cooled	
Lubrication System		Wet Sump	
Ignitions		ECU	
Spark Plug Type		DPR8EA-9 (NGK)	
Electrical Equipment			
Battery		12V 30Ah	
Head light		7.8W/7.2W/2.4W	
Brake/ Tail Light		12V 10W/5W LED	
Rear license plate Light		12V 5W LED	

21. Assembly Instructions

1. Dismantle frame

	• Dismantle the top of the frame and the four-side frame. • Dismantle the nut in the circle.
---	--

2. Install the front shock absorber

	• Install the front shock absorber using the M10x50 Bolt and M10 Nut. Note: The torque spec for the shock absorber bolt is 24-27Ft.Lbs.(32-36N.m)
---	--

3. Install the wheels

	• Install the front wheels using the 8 M12 lug nuts. Note: The torque spec for the front wheel lug nuts is 70Ft.Lbs.(96N.m)
	• Install the rear wheels using the 8 M12 lug nuts. Note: The torque spec for the rear wheel lug nuts is 70Ft.Lbs.(96N.m)

4. Install the handlebar

	• Install the handlebar using 4 M8x80 bolts and 4 M8 nuts. Note: Torque handlebar adjuster block bolts to 17Ft.Lbs.(23N.m)
---	---



- Install the handlebar cover.

5. Install the speedometer cover



- Install the speedometer cover using 2 M6x16 bolts and the 2 instrument cover screw caps.

6. Install the rear rack



- Install the left rear rack bracket using 2 M8x60 bolts and 2 M8 nuts.



- Install the right rear rack bracket using of 2 M8x60 bolts and 2 M8 nuts.



- Install the trailer connector 45° down using the M8x60 bolt and M8 nut.



7. Install the rear rack cover



- Install the rear rack cover using 10 M6x16 bolts.

8. Install the backrest



- Install the backrest to the rear rack using 4 M8x35 bolts and 4 M8 nuts.

9. Install the rear seat grab handle



- Install the covers OR.



- Install the seat handle using 4 M8x30 bolts, 4 spacers and 2 M8x20 bolts

10. Install the tow hitch



- Install the hitch receiver to the bracket using 2 M10x135 bolts and 2 M10 nuts.
- Install the towing hitch bracket to the support using 2 M16x95 bolts and 2 M16 nuts.

11. Connect the battery



- Remove the front rack and front cover plate.



- Put the battery into the case, then connect the binding post.

12. Install the bumper bezel



- Attach bumper border with glue.

13. Check the engine oil and transmission oil

	• Remove the cover.
	• Check the engine oil and transmission oil.

14. Inspect and test the ATV

- See the OWNER'S/OPERATOR'S MANUAL.

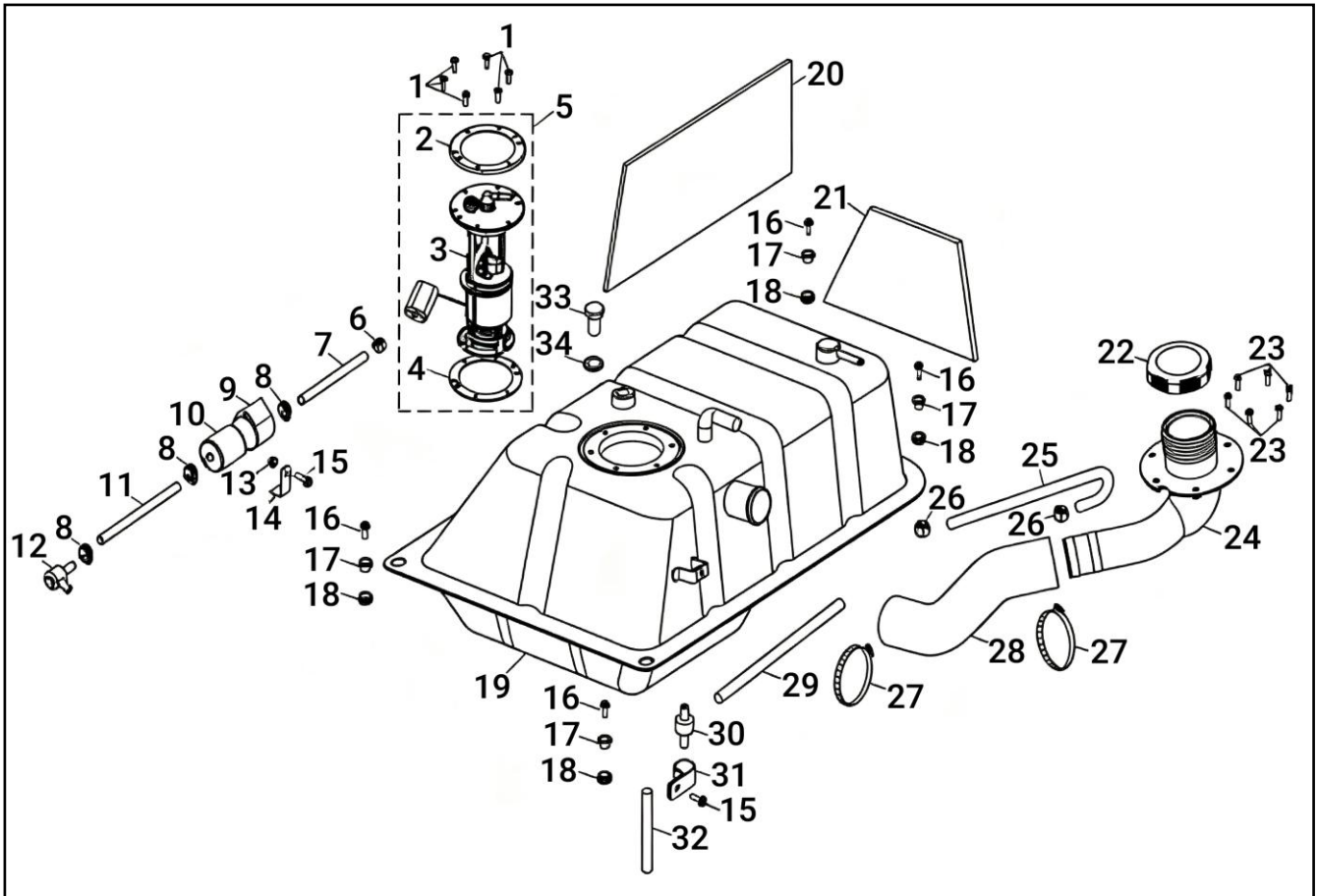
22. Registering Your ATV or UTV in Canada

The following table provides general guidelines for registering your ATV for the first time in Canada. All ATVs should be registered before operating unless otherwise stated in this table. This table includes a list of recommended documents to bring for the registration process. Not all documentation listed may be necessary, but bringing more documentation is always better than not bringing enough.

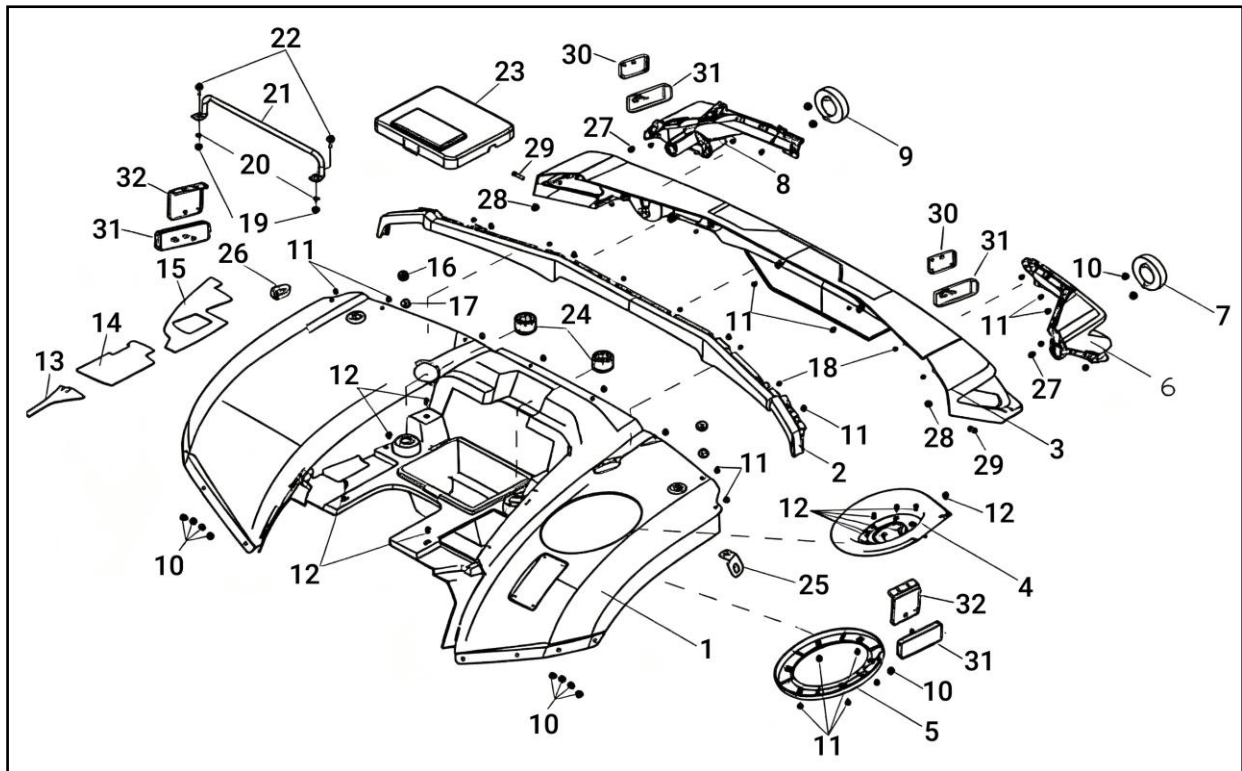
Province / Territory	Does Your ATV / UTV Need to Be Registered?	Where Do you Register?	Recommended Documents to Bring
British Columbia	Yes. ORVs should be registered within 10 days of purchase. ORVs used on Crown land must be registered and display the registration plate/sticker.	ICBC Autoplan Broker	NVIS/MSO, Bill of Sale, ID, taxes/fees.
Alberta	Yes	Alberta Registry Agent	NVIS/MSO, Bill of Sale, ID, insurance (where applicable). Registration is generally required for public land use.
Saskatchewan	Generally, there is no registration for most ORVs. Please verify local requirements.	N/A (unless a special use requires registration)	Bill of Sale and proof of ownership should be retained.
Manitoba	Yes	Manitoba Public Insurance (MPI)	NVIS/MSO, Bill of Sale, ID, applicable insurance/fees.
Ontario	Yes. Registration should occur within 7 days of your purchase.	ServiceOntario	NVIS, Bill of Sale, ID, taxes. Customer receives an Off-Road Vehicle permit and plate.
Quebec	Yes	SAAQ	NVIS/MSO, Bill of Sale, ID, registration fees.
New Brunswick	Yes	Service New Brunswick	NVIS/MSO, Bill of Sale, ID, fees.
Nova Scotia	Yes	Access Nova Scotia	NVIS/MSO, Bill of Sale, ID, fees.
Prince Edward Island	Yes	Access PEI	NVIS/MSO, Bill of Sale, ID, fees.
Newfoundland & Labrador	Yes. Registration should occur within 10 days of purchase.	Motor Registration Division	NVIS/MSO, Bill of Sale, ID, fees.
Yukon	Yes	Motor Vehicles Office	NVIS/MSO, Bill of Sale, ID, fees.
Northwest Territories	Yes	Driver & Motor Vehicle Office	NVIS/MSO, Bill of Sale, ID, fees.
Nunavut	Yes	Motor Vehicles Division	NVIS/MSO, Bill of Sale, ID, fees.

V01-Handlebar

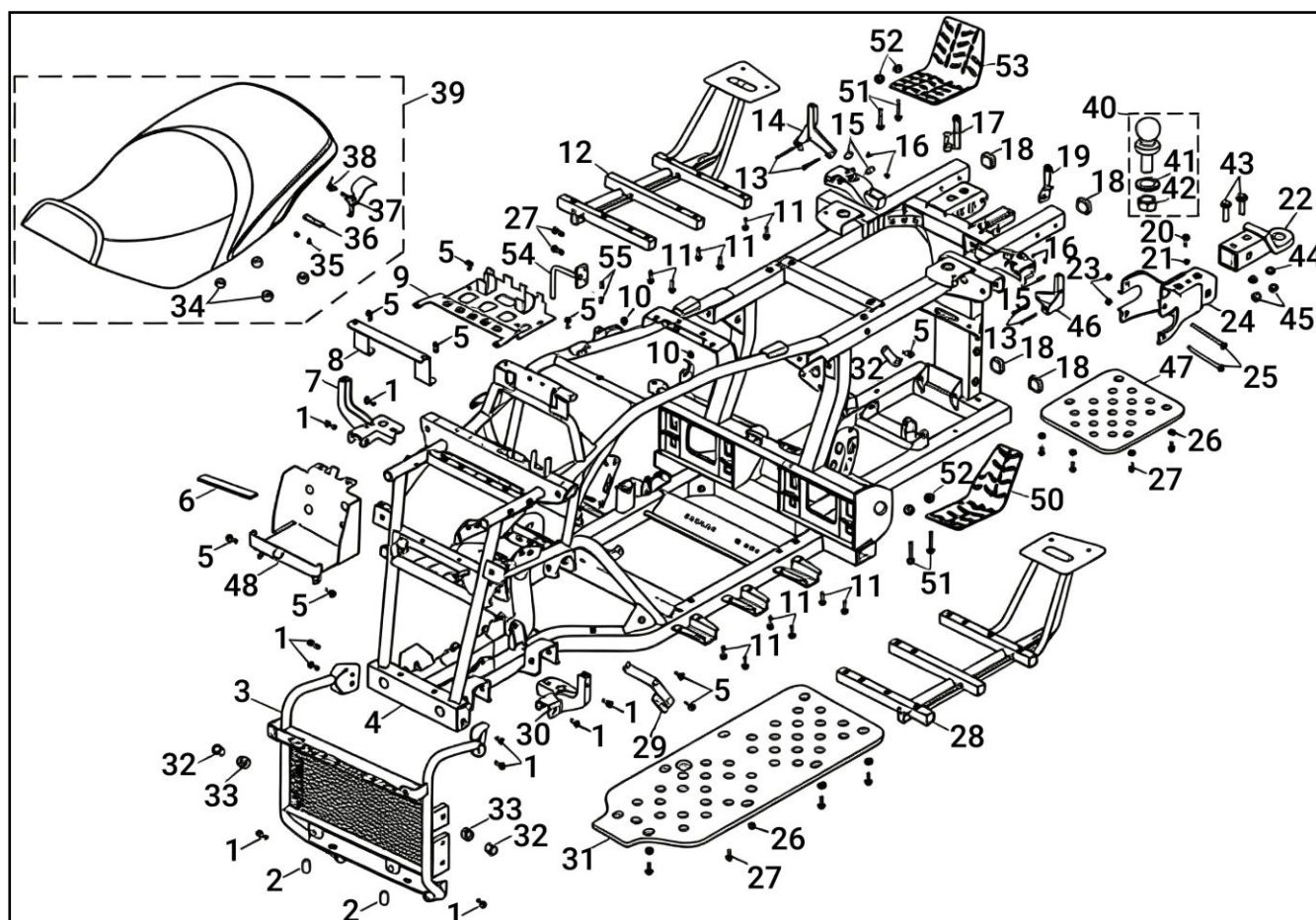




Ref. No.	Part No.	Description	Qty.
1	10201	Screw M5x16	6
2	72251	Plate	1
3	38502	Pump Body	1
4	36440	Rubber Washer	1
5	38503	Fuel Pump	1
6	84428	Single Ear Clamp (φ4.5)	1
7	86008	Fuel Hose	1
8	71658	Hose Clamps 8/14	3
9	70845	Fuel Filter Installation	1
10	70842	Fuel Filter	1
11	38504	Engine Feed Fuel Hose	1
12	38313	Quick Fitting Assy (Right-Angle Type) (φ7.89)	1
13	11454	Nut M6	1
14	36142	Plate, Fuel Filter	1
15	11097	Bolt M6x16	2
16	11080	Bolt M6x20	4
17	36065	Bush of Fuel Tank Buffer Sleeve	4
18	36064	Fuel Tank Buffer Sleeve	4
19	38505	Fuel Tank	1
20	38506	Fuel Tank Right Adiabatic Pellicle	1
21	38507	Fuel Tank Rear Adiabatic Pellicle	1
22	70725	Fuel Cap	1
23	10755	Screw M6x20	6
24	38508	Welding Assembly of Refueling Port	1
25	38509	Fuel Lane Snorkel	1
26	11979	Hose Clamps φ16	1
27	23206	Hose Clamps 38/57	2
28	38510	Fuel Filling Pipe	1
29	38511	Breather Pipe (φ4.5Xφ8X500)	1
30	25037	Dumping Valve	1
31	25351	Dump Valve Fixing Plate	1
32	38512	Breather Pipe (φ4.5Xφ8X250)	1
33	50105	Oil Drain Bolt M12×1.5×15	1
34	1309283	Washer	1

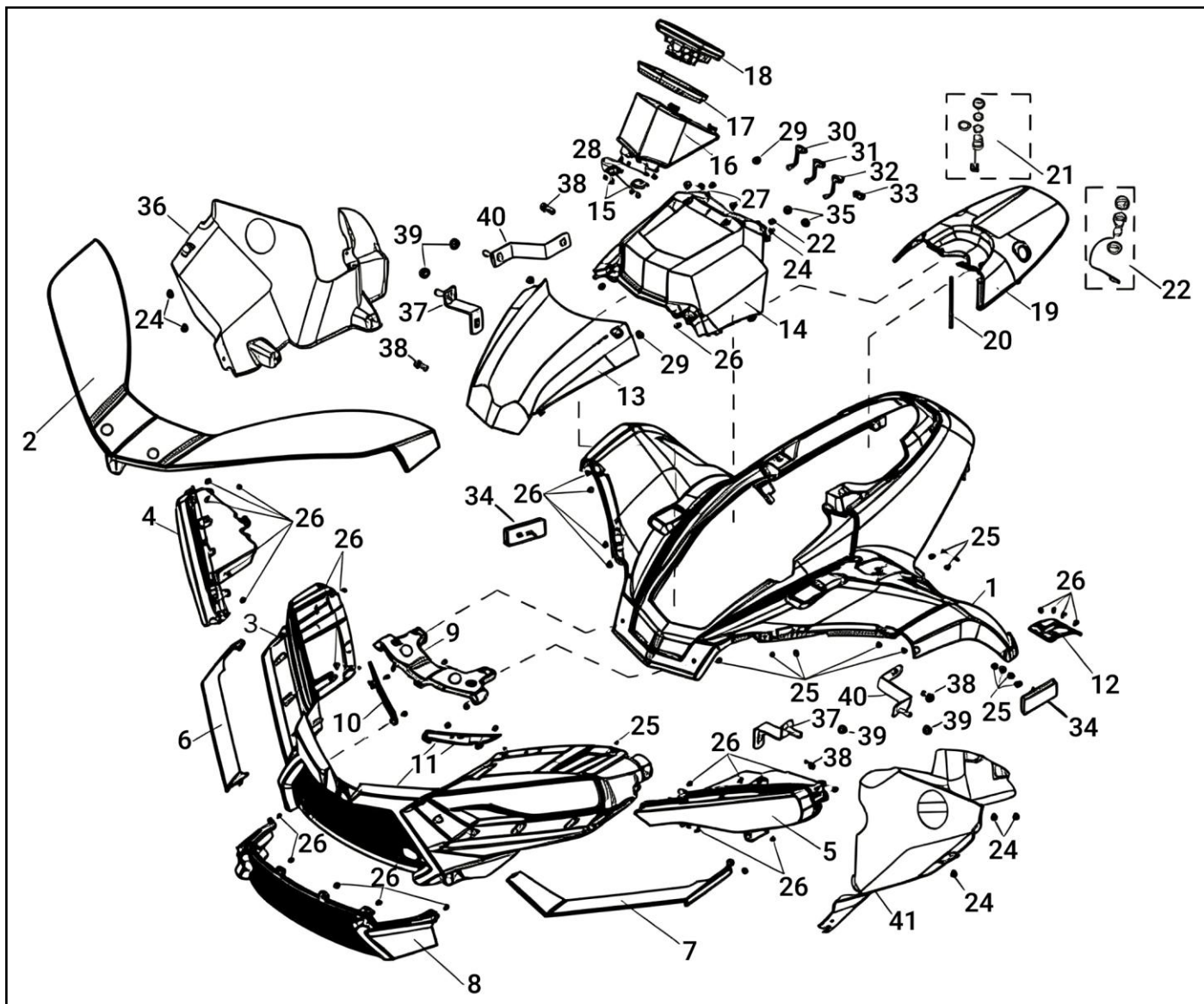


Ref. No.	Part No.	Description	Qty.
1	385131F	Back Body	1
2	38514	The Rear and Tail Lampshade is Connected to the Bracket	1
3	38515	Rear Lamp Shade	1
4	385161K	Fix the Tank Port on the Cover	1
5	38517	Tank Port Fixed Under Cover	1
6	38518	Rear Left Trim Light	1
7	25388	Left Rear Combination Light	1
8	38519	Rear Right Trim Light	1
9	25387	Right Rear Combination Light	1
10	11616	Nut M6	15
11	11468	Screw ST4.8×16	28
12	73056	Large Flat Head Bolt M6x20	15
13	38520	Rear Mud Adiabatic Pellicle	1
14	25367	Rear Mud Adiabatic Pellicle	2
15	25366	Rear Mud Adiabatic Pellicle	1
16	22351	Cover Buffer	1
17	70742	Spacer, Cover Buffer	1
18	22346	Nut St4.8	12
19	11980	Nut M6 Black	2
20	10006	Washer	2
21	35915	Cushion Lock Lever	1
22	10140	Bolt M6x12	2
23	25045a	Tool Box Cap	1
24	70445	Seat Mount Washer	2
25	38521	Rear Tail Lampshade Connected with Iron Sheet Left	1
26	38522	Rear Tail Lampshade Connected with Iron Sheet Right	1
27	11222	Screw St4.2×13	2
28	11099	Screw M6x20	2
29	11980	Nut M6 Black	2
30	35758	Rear Reflector Plate	2
31	36514	Rear Reflector(Red)	2
32	35759	Side Reflector Plate	2

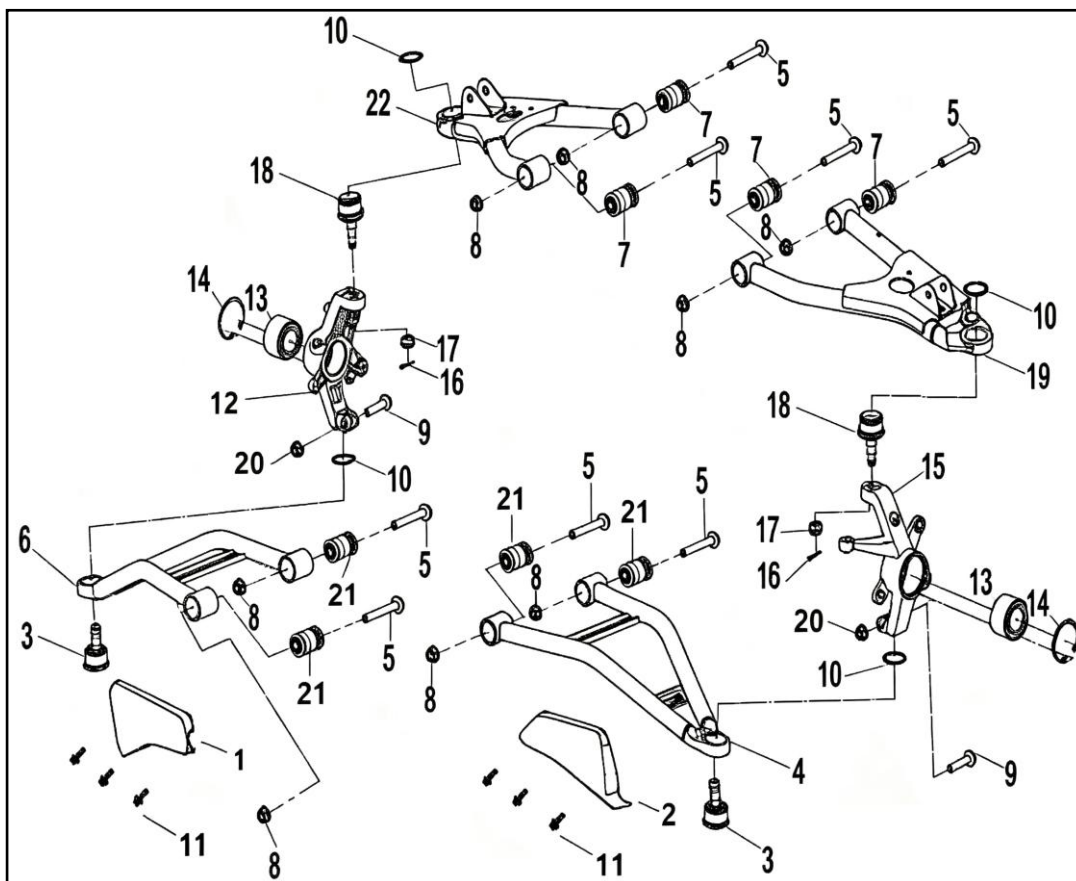


Ref. No.	Part No.	Description	Qty.
1	10059	Bolt M8x25	10
2	36054	Supporting Rubber Ring Under Water Tank	2
3	38523	Bumper Bracket	1
4	38524	Frame Assy.(T3 Efi)	1
5	11459	Bolt M6x20	8
6	38525	Battery Box Buffer Sponge	4
7	38526	Trestle R (For Flipping)	1
8	38527	Speedometer Bracket for Under Cover	1
9	38528	Electrical Mounting Panel	1
10	22346	Nut St4.8	2
11	10078	Bolt M8x30	12
12	38529	Right Pedal Welded Assembly	1
13	25056	Bolt M8x70	4
14	38530	Trestle Right	1
15	36445	Spacer	4
16	10882	Nut 8	4
17	38531	Rear Guard Cover Right Mounting Bracket	1
18	38532	Rubber Cover 40x40	4
19	38533	Rear Guard Cover Left Mounting Bracket	1
20	10783	Bolt M8x20	1
21	10882	Nut 8	1

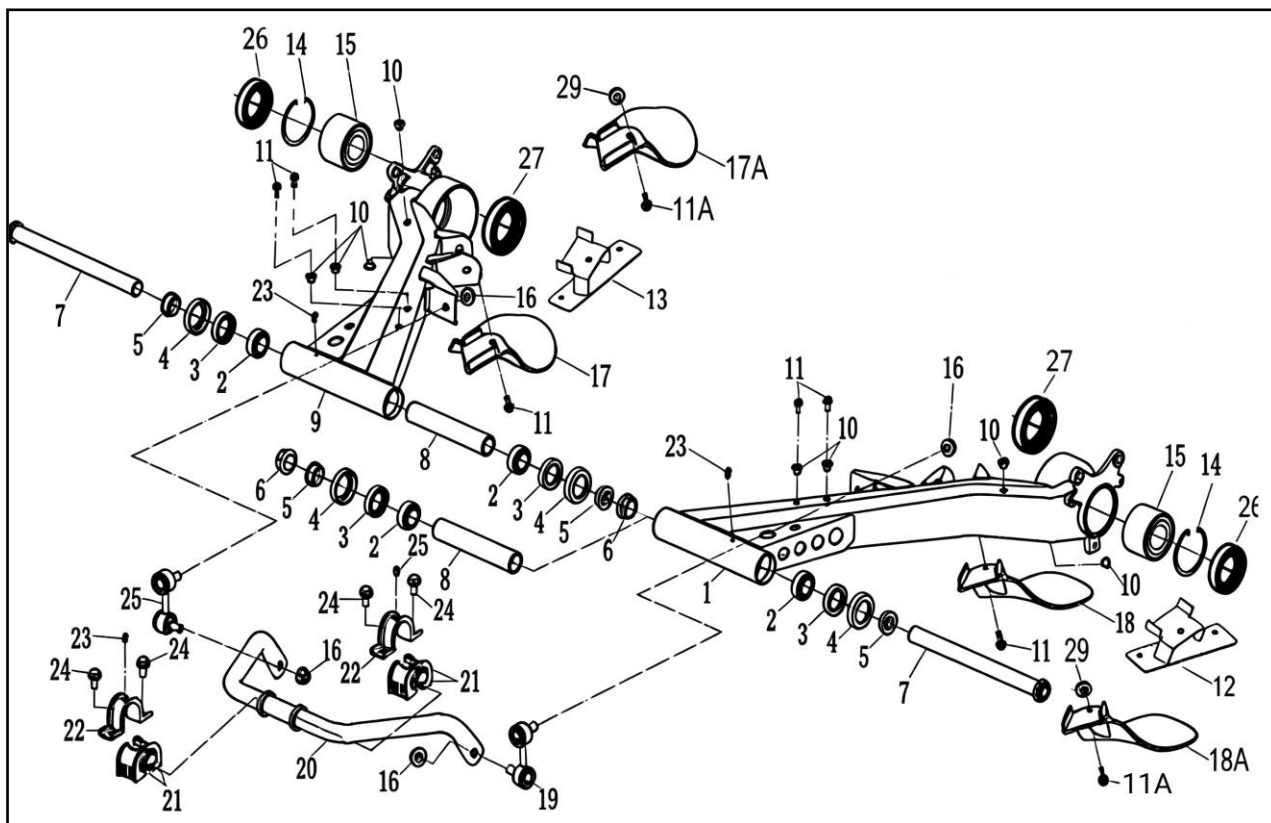
22	35951	The Traction Ball Welding Components	1
23	10795	Nut 10	2
24	38534	Towing Hook the Ball After Mounting Bracket	1
25	11876	Bolt M10x1.25x135	2
26	20331	Washer 6	16
27	11194	Bolt M6x18	18
28	38535	Left Pedal Welded Assembly	1
29	38536	Mounting Bracket for Cooling Kettle	1
30	38537	Trestle L (For Flipping)	1
31	38538	Plastic Plant	1
32	36065	Bush of Fuel Tank Buffer Sleeve	2
33	36064	Fuel Tank Buffer Sleeve	2
34	25042	Rubber, Seat Setting	4
35	10178	Screw St4.2x13	2
36	70803	Cushion Plate	1
37	70788	Hook Bracket, Seat Lock	1
38	70802	Spring	1
39	38539	Seat (Whole)	1
40	35950	Pull the Ball	1
41	10816	Washer 22	1
42	11218	Nut W7/8"-14	1
43	10865	Bolt M16x85	2
44	27050	Washer 16	2
45	10874	Nut M16	2
46	38540	Trestle Left	1
47	38541	Rear Gear-Box Under guard	1
48	38542	Battery Pack Box	1
49	36850	Tie (Used for 30 Ah)	1
50	38719	Rear Left Cage Baffle	1
51	11643	Bolt M8x60	4
52	10882	Nut M8	4
53	38720	Rear Right Cage Baffle	1
54	38721	Right Plate Anti-Hot Steel Circle	1
55	24217	Right Washer	2



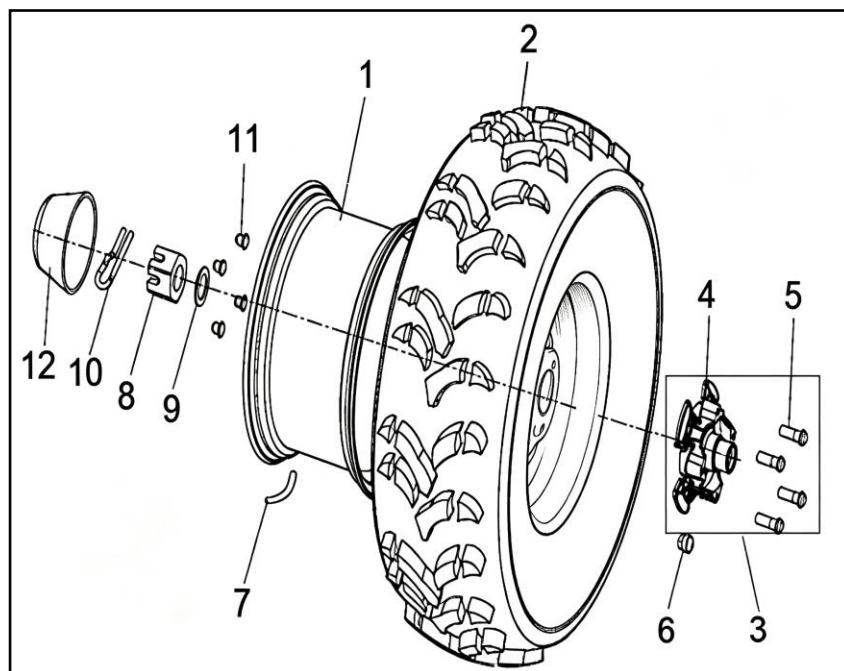
Ref. No.	Part No.	Description	Qty.
1	385451F	Front Body	1
2	38221	Head Lamp Case	1
3	38218	Plastic Bumper	1
4	38224	Led Light, Fr	1
5	38225	Led Light, Fl	1
6	382191F	Right Trim Bar	1
7	382201F	Left Trim Bar	1
8	35927	Under Ventilation Grid	1
9	38217	Connecting Bracket	1
10	38222	Right Baffle Plate	1
11	38223	Left Baffle Plate	1
12	35499	Shift Cover (Black)	1
13	38546	The Battery Cover	1
14	38547	Instrument Under the Hood	1
15	38548	Meter Link Hinge Assembly	1
16	38549	Cover on the Meter	1
17	38550	Small Bezel of Instrument Hood	1
18	38551	The Liquid Crystal Instrument	1
19	38552	Electric Parts Cover	1
20	35501	Vent Pipe	1
21	27746	The Electric Door Lock	1
22	36120	USB Output Socket Combination	1
23	22346	Nut St4.8	12
24	11467	Screw St4.8×16 Black	49
25	22346	Nut St4.8	12
26	11981	Screw St4.8×12 Black	16
27	73056	Large Flat Head Bolt M6x20	4
28	11879	Screw St4.2×10	8
29	38722	Parking Cable Rubber Plug	1
30	35819	Rear Differential Switch	1
31	38553	Select Menu Switch	1
32	38554	Confirm Switch	1
33	70448	Decorative Cover for Instrument Cover Opening	1
34	36515	Side Reflector (Amber)	2
35	38723	Meter Cover Screw Cap	2
36	38724	Right Front Baffle	1
37	38725	Front Fenders Mounting Bracket 1	2
38	11495	Bolt M6×16	4
39	11980	Nut M6 Black	4
40	38726	Front Fenders Mounting Bracket 2	2
41	38727	Left Front Baffle	1



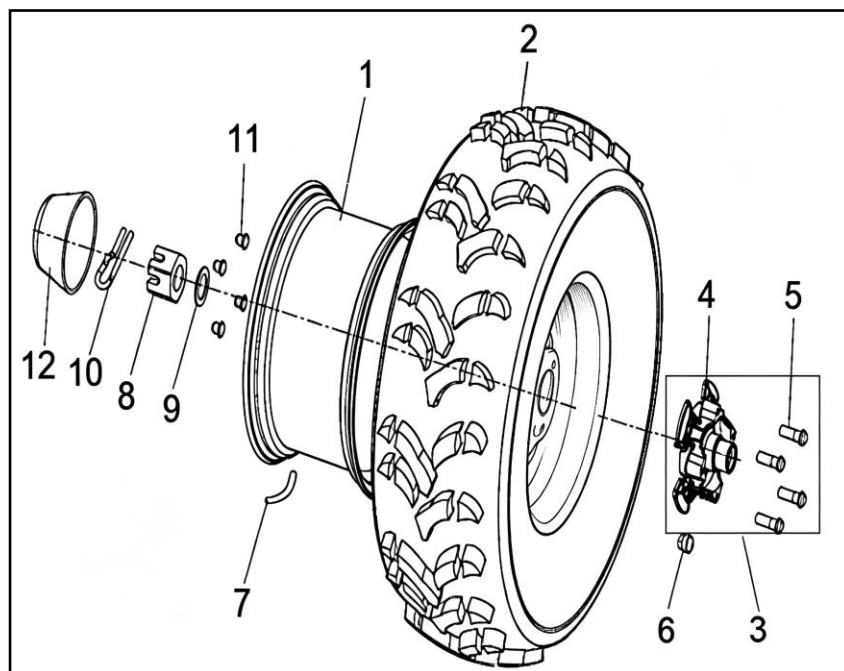
Ref. No.	Part No.	Description	Qty.
1	70977	Front Suspension Plate, RH	1
2	70976	Protection Plate, LH Front Suspension	1
3	38565	Ball Joint (Lower)	2
4	38566	Arm LWR FRT LH	1
5	20522f	A-Arm Pivot Shaft	8
6	38567	Arm LWR FRT Rh	1
7	20524F	Bushing	4
8	10136	Nut M12x1.25	8
9	11982	Bolt M10x1.25x40	2
10	70046	Circlip 34	4
11	73074	Bolt M6x12	6
12	38568	Carrier Bearing Wheel Rh	1
13	26913	Bearing	2
14	26912	Retaining Ring for Hole	2
15	38569	Carrier Bearing Wheel LH	1
16	27215	Cotter Pin 2.5x25	2
17	11546	Nut M10x1.25	2
18	38570	Ball Joint (Upper)	2
19	38571	Arm Upper FRT LH	1
20	11343	Nut M10x1.25	2
21	38572	Bushing	4
22	38573	Arm Upper FRT RH	1



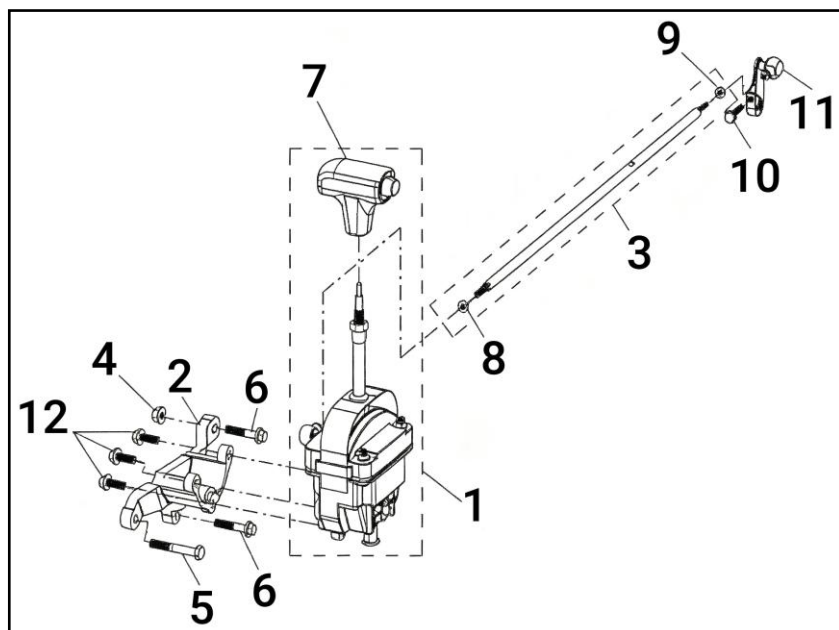
Ref. No.	Part No.	Description	Qty.
1	38574	Rear Swing Arm, L	1
2	38575	Bearing, Rear Swingarm	4
3	38576	Oil Seal 24x38x8	4
4	38577	Dust Cover	4
5	38578	Bushing, Swing Arm	4
6	38579	Lock Nut, Swing Arm	2
7	38580	Rear Swing Arm Shaft	2
8	38581	Inner Liner, Rear Swing Arm	2
9	38582	Rear Swing Arm, R	1
10	38583	Rivet Nut	6
11	11495	Bolt M6x16	6
11A	11720	Bolt M5x16	2
12	38584	Rocker Guard Mounting Plate (Left)	1
13	38585	Rocker Guard Mounting Plate (Right)	1
14	70055	Retaining Ring 58	2
15	70674	Hub Bearing	2
16	10015	Nut M10	4
17	20628	Front Right Shaft Blank	1
17A	38729	Right Drive Axle Baffle	1
18	20519	Front Left Axle Stop	1
18A	38730	Left Drive Axle Baffle	1
19	27196	Ball Pin, Lh	1
20	38586	Rear Sway Bar Assy	1
21	27091	Buffer Sleeve	4
22	27090	Fixed Plate	2
23	10026	Oil Cup	2
24	11461	Bolt M8x20	4
25	27195	Ball Pin, Rh	1
26	70676	Seal 58 41.2 11	2
27	70675	Seal 61.5 43 11	2
28	10094	Pin 2x20	4
29	11983	Nut M5	2



Ref. No.	Part No.	Description	Qty.
1C	36154	Wheel Sub-Assy, FR	2
2	27615	Tire Front At25x8-12 47f (Wanda) (E4-75r-0008830)	2
3	27891	Hub Assy SHRT	2
4	27285	Hub Assy SHRT	2
5*	70714	Bolt M12x1.25	16
6	70718	Seal	2
7	20807a	Valve, Rim (Tr412)	4
8	70721	Bolt Slotted	4
9	70722	Washer	2
10	26267	Pin 4x32	2
11	27411	Nut, Wheel	8
12	36162	Cap, Wheel Sub-Assy (Optional) (Match With "1c" Wheel Sub-Assy, Fr)	2

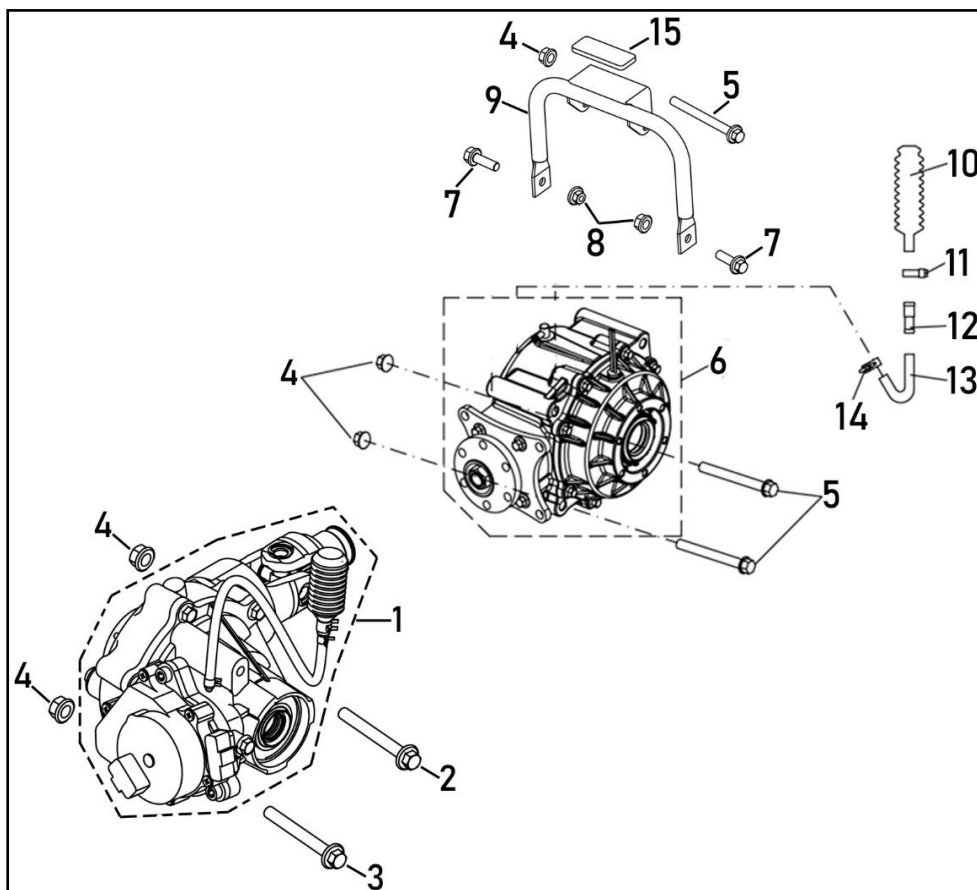


Ref. No.	Part No.	Description	Qty.
1	36155	Wheel Sub-Assy, RR	2
2	27618	Tire, Rr At25x10-12 65f (Wanda) (E4-75r-0008831)	2
3	38587	Hub, Rr Wheel	4
4	70719	Hub, Rr Wheel	2
5	70714	Bolt M12x1.25	16
6	70718	Seal	2
7	20807a	Valve, Rim (Tr412)	4
8	70721	Bolt Slotted	4
9	70722	Washer	2
10	26267	Pin 4x32	2
11	27411	Nut, Wheel	8
12	36162	Cap, Wheel Sub-Assy (Optional) (Match With "1c" Wheel Sub-Assy, Fr)	2



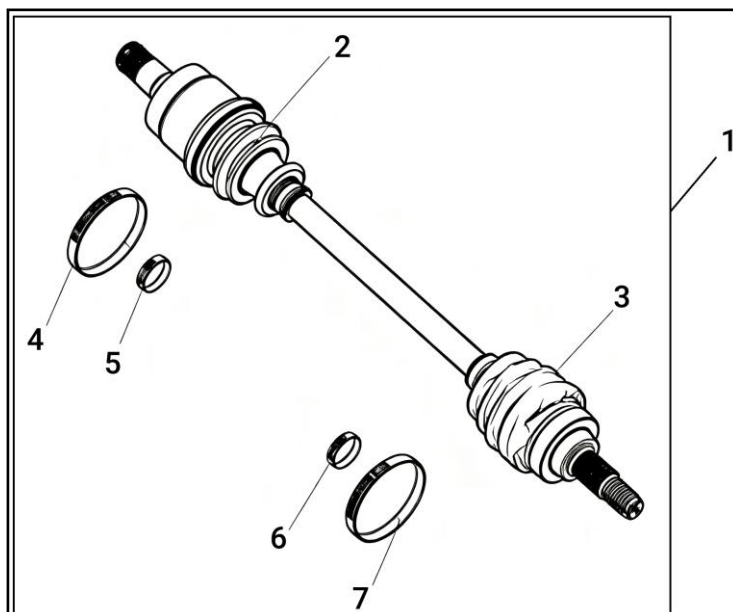
Ref. No.	Part No.	Description	Qty.
1	38588	Shifter Assy Mounting	1
2	38589	Shifter Mounting Bracket	1
3	38731	Shifter Mounting Rod	1
4	11442	Nut M8	2
5	10059	Bolt M8x25	1
6	10059	Bolt M8x25	2
7	38294	Handle Shifter	1
8	10090	Nut M6	1
9	10090L	Left-Hand Nut M6	1
10	11539	Bolt M6x1×25	1
11	35889	Shift Rocker Arm Components	1
12	10783	Bolt M8x20	3

V11-Front and Rear Gear-Box



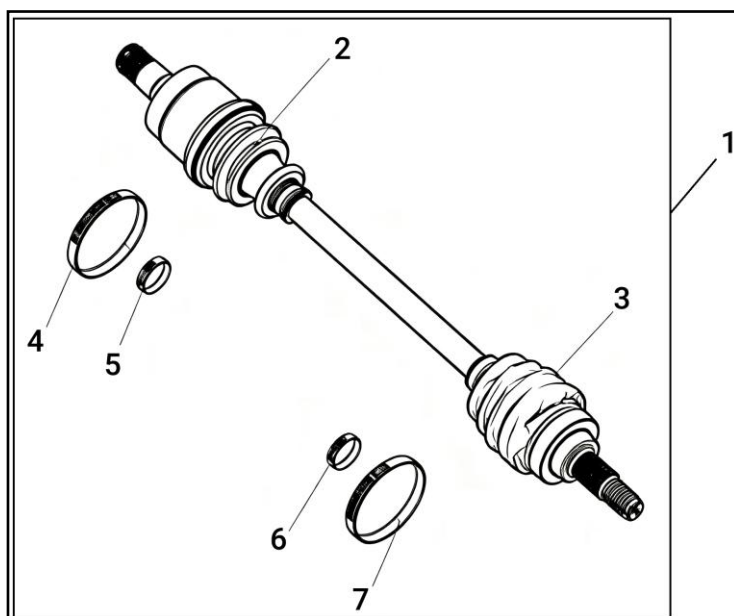
Ref. No.	Part No.	Description	Qty.
1	38590	Front Gear-Box Assy	1
2	10813	Bolt M10x1.25x62	1
3	11881	Bolt M10x1.25x100	1
4	10015	Nut M10x1.25	5
5	10925	Bolt M10x1.25x110	3
6	38591	Rear Gear-Box Assy	1
7	11072	Bolt M8x1.25x20	2
8	10079	Nut M8x1.25	2
9	38592	Bracket, Rear Gear-Box Assy	1
10	35919	Breathing Balloon	1
11	48294	Cable Tie	1
12	35918	Balloon Connector	1
13	38593	Vent Pipe	1
14	25107	Clamps	1
15	38594	Cushion Rubber Block Under Fuel Tank	1

V12-Front Left Drive Axle



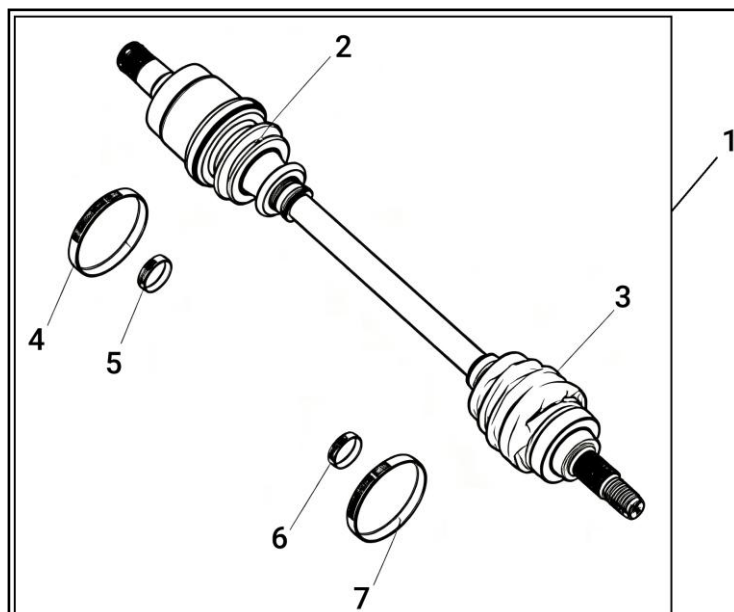
Ref. No.	Part No.	Description	Qty.
1	38595	Front Left Drive Axle	1
2	38596	Inter Board Boot	1
3	38597	Outer Board Boot	1
4	38598	Inter Boot Band B	1
5	38599	Inter Boot Band A	1
6	38600	Outer Boot Band B	1
7	38601	Outer Boot Band A	1

V13-Front Right Drive Axle



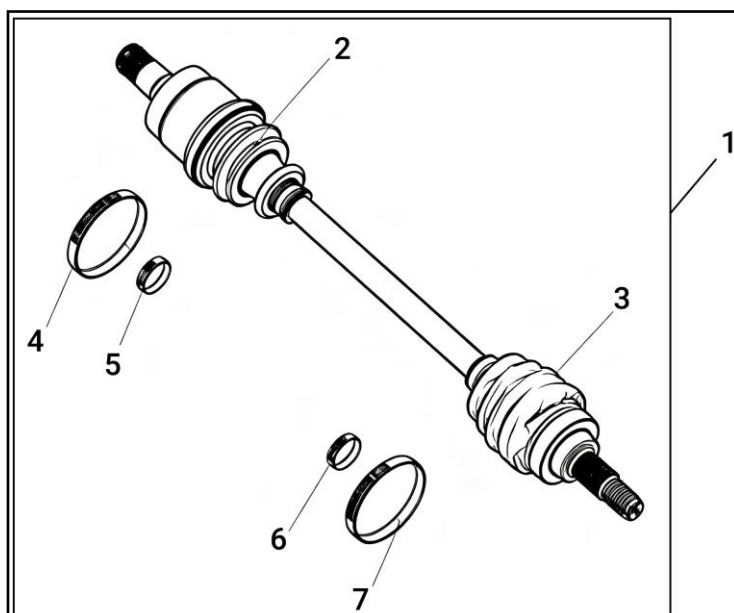
Ref. No.	Part No.	Description	Qty.
1	38602	Front Right Drive Axle	1
2	38596	Inter Board Boot	1
3	38597	Outer Board Boot	1
4	38598	Inter Boot Band B	1
5	38599	Inter Boot Band A	1
6	38600	Outer Boot Band B	1
7	38601	Outer Boot Band A	1

V14-Rear Left Drive Axle



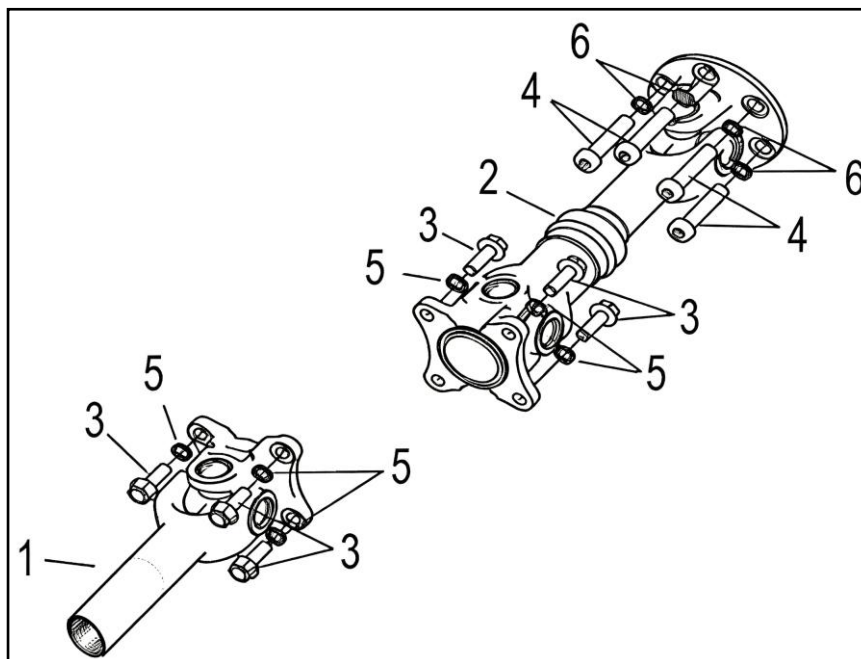
Ref. No.	Part No.	Description	Qty.
1	38603	Rear Left Drive Axle	1
2	38604	Inter Board Boot	1
3	38605	Outer Board Boot	1
4	38606	Inter Boot Band B	1
5	38607	Inter Boot Band A	1
6	38608	Outer Boot Band B	1
7	38609	Outer Boot Band A	1

V15-Rear Right Drive Axle

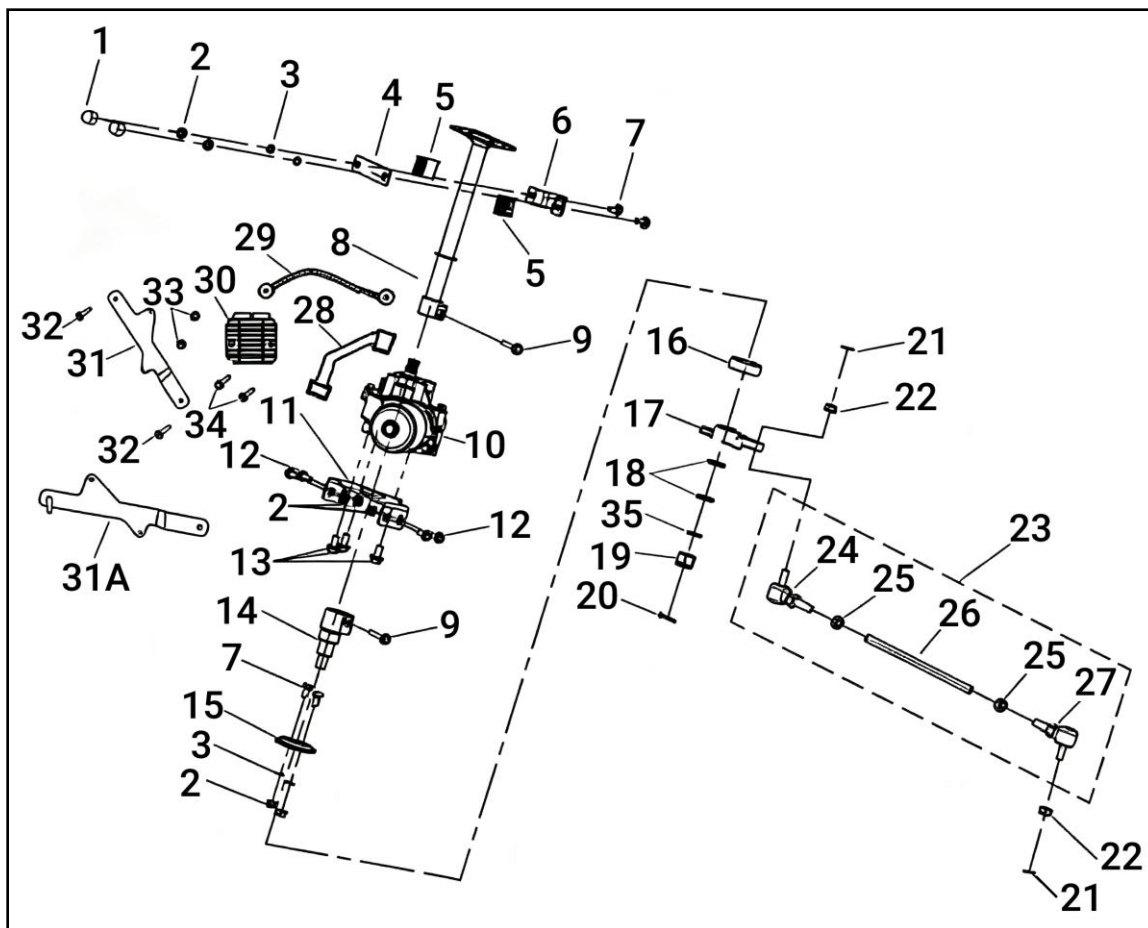


Ref. No.	Part No.	Description	Qty.
1	38610	Rear Right Drive Axle	1
2	38604	Inter Board Boot	1
3	38605	Outer Board Boot	1
4	38606	Inter Boot Band B	1
5	38607	Inter Boot Band A	1
6	38608	Outer Boot Band B	1
7	38609	Outer Boot Band A	1

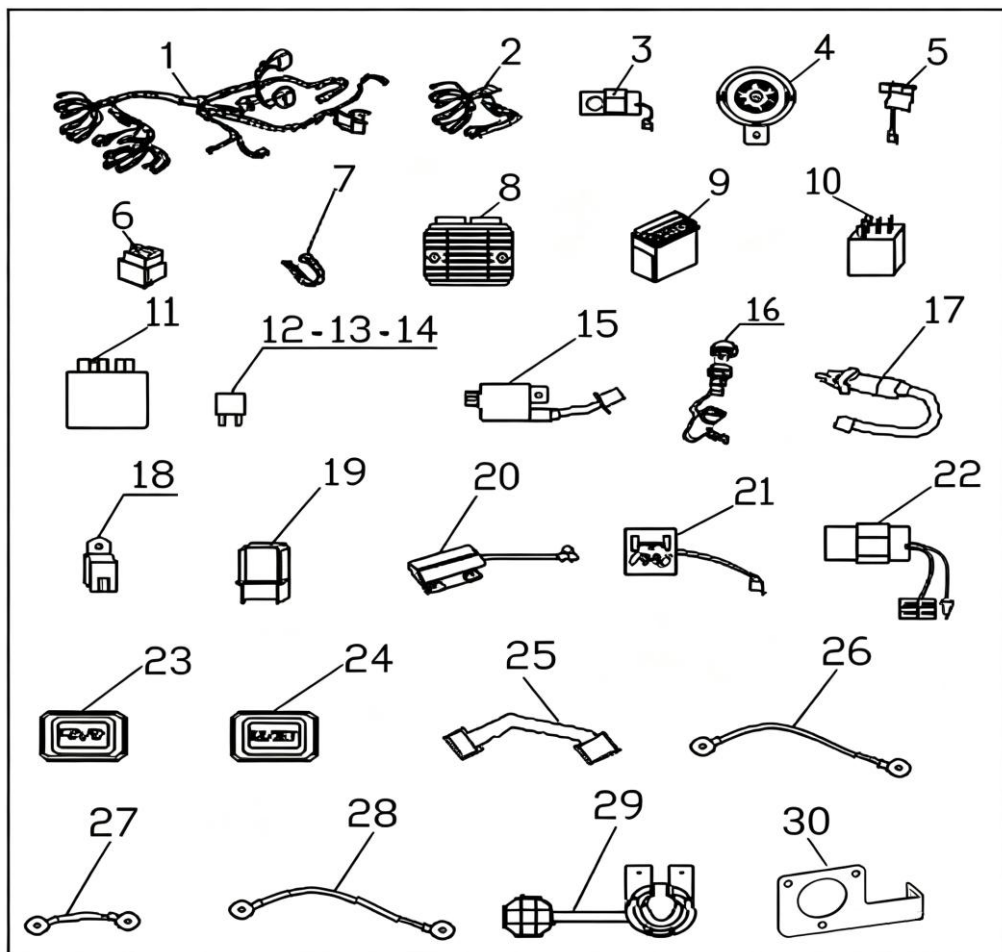
V16-Front & Rear Knuckle Assy



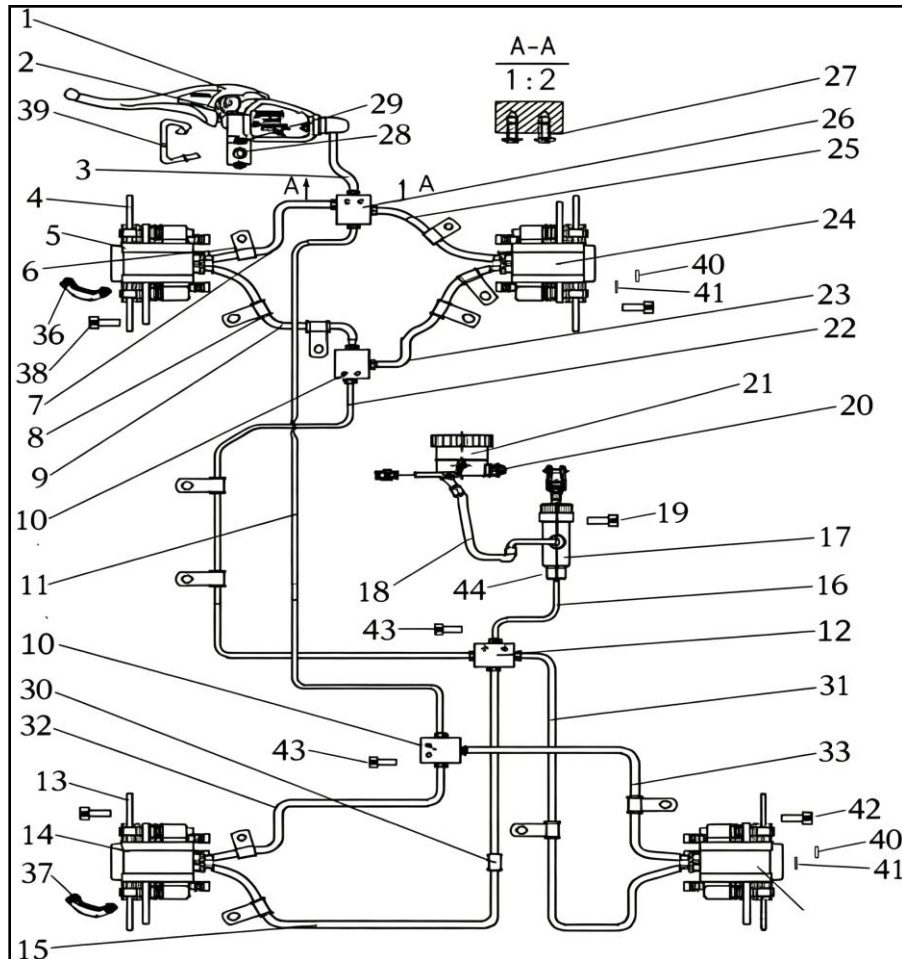
Ref. No.	Part No.	Description	Qty.
1	38611	Front Knuckle	1
2	38612	Rear Knuckle	1
3	10926	Bolt M8x1.0x25	8
4	10927	Bolt M10x1.25x32	6
5	10106	Spring Washer 8	8
6	10027	Spring Washer 10	6
7	36275	Parking Pad	1



Ref. No.	Part No.	Description	Qty.
1	27256	Protect Cover	2
2	10880	Nut M8	8
3	11504	Spring Washer	2
4	21905	Steering Clamp Front	1
5	21903	Bushing	2
6	21904	Steering Clamp Rear	1
7	21906	Bolt	4
8	38613	Steering Column, up	1
9	11882	Bolt M8x40	2
10	38614	Eps Assy	1
11	38615	Eps Mounting Plate	1
12	10783	Bolt M8x20	4
13	11020	Bolt M10x20	3
14	38616	Steering Column, down	1
15	21910	Bearing Retainer	1
16	21911	Bearing	1
17	38617	Steering Stop Plate	1
18	21909	Washer	1
19	20811A	Nut M16x1.5	1
20	10792	Pin 2.5x25	1
21	10094	Pin 2.5x25	2
22	10015	Nut M10x1.25	2
23	38618	Tie Rod Assy	2
24	38619	Tie Rod End A (Right)	2
25	38620	Nut	4
26	38621	Tie Rod	2
27	38622	Tie Rod End B (Left)	2
28	36511	Eps Power Wire	1
29	36512	Eps Signaling Line	1
30	38623	Eps Controller	1
31		Eps Controller Mounting Plate	1
31A	38732	Eps Controller Mounting Plate	1
32	11097	Bolt M6x16	2
33	11454	Nut M6	1
34	11883	Bolt M6x25	2

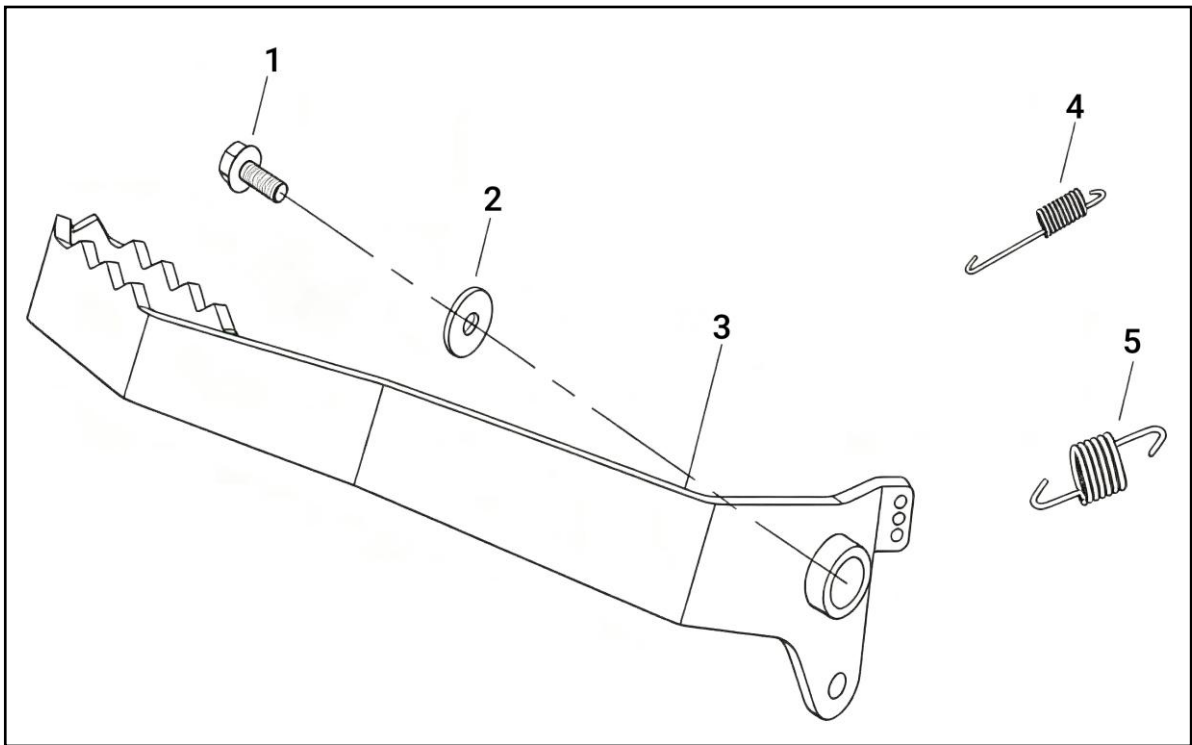


Ref. No.	Part No.	Description	Qty.
1	38625	Wiring Harness (For T3)	1
2	38626	Efi Wire (Ecu: Mt05)	1
3	71976	Reverse Gear Warning	1
4	70404	Horn	1
5	26456	Flasher Relay Assy	1
6	71602	Starter Relay	1
7	72301	Tie	20
8	71603	Regulator Rectifier	1
9	71604	Battery	1
10	35083	Auxiliary Relay	6
11	85166	Ecu (Mt05.2)	1
12	22021	5 Amp Fuse	2
13	22020	15 Amp Fuse	5
14	84273	10 Amp Fuse	2
15	70822D	Ignition Coil and Wire	1
16	36120	USB Output Socket Combination	1
17	70405a	Brake Switch (Used for Waterproof Plug in Unit)	1
18	50280	Start Relay Oil Pump	1
19	71474	Efi Relay	1
20	72278	Electrical Dump Switch (Ecu: Mt05.2, Mt05.3)	1
21	35819	Rear Differential Switch	1
22	36838	Rear Differential Controller	1
23	38553	Select Menu Switch	1
24	38554	Confirm Switch	1
25	22018	Battery Tie	2
26	38709	Starting Motor Positive Wire (800Mm)	1
27	38710	Battery Positive Wire (300Mm)	1
28	38711	Battery Negative Wire (1300Mm)	1

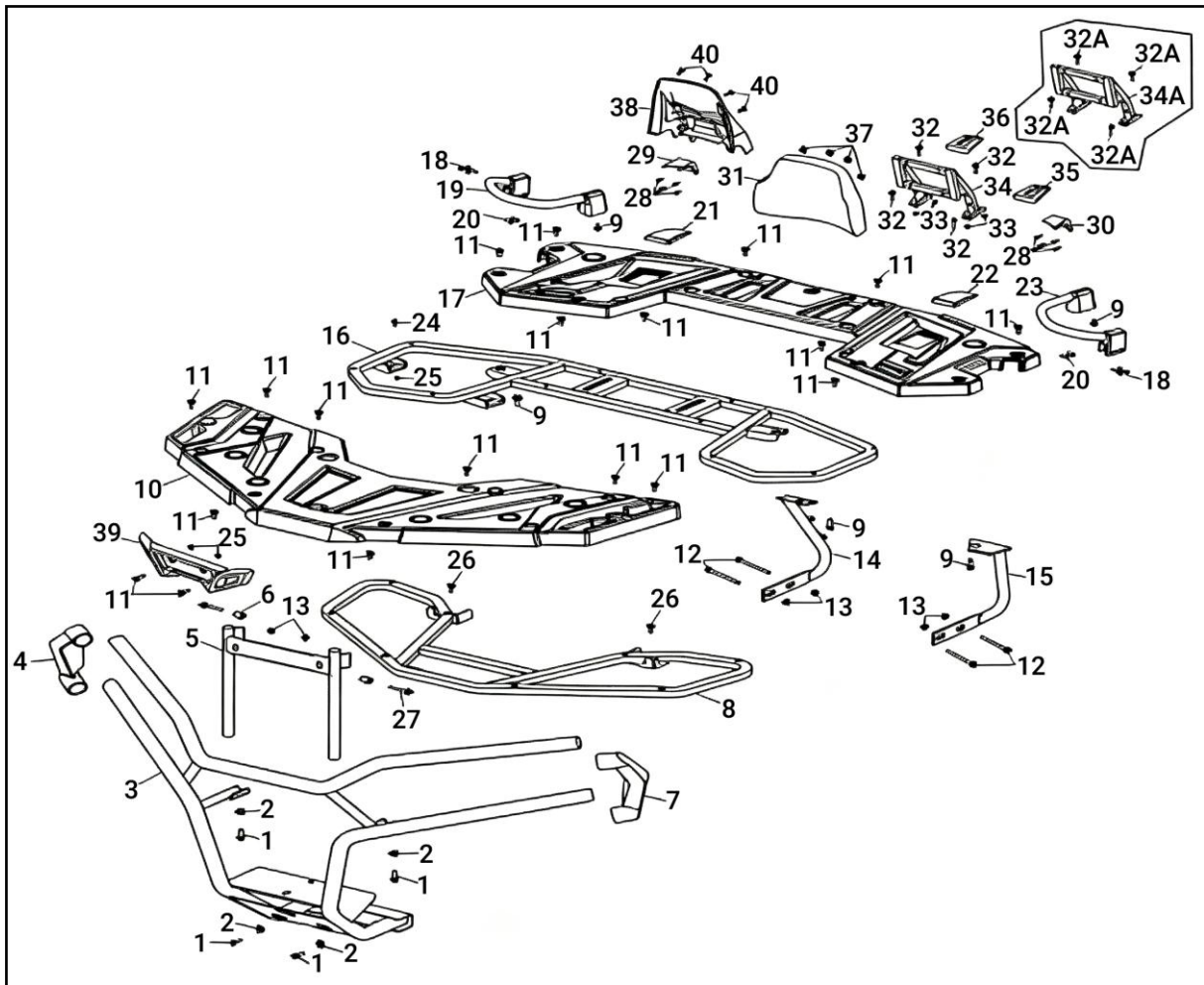


Ref. No.	Part No.	Description	Qty.
1	2211120	Brake Lever	1
2	36482	Master Cylinder with Brake Lever	1
3	38631	Hand Brake Hose	1
4	70555	Front Brake Disc	2
5	70502	Brake Caliper Left, Front	1
6	32104	Clamp	16
7	38632	Front Brake Hose 2	1
8	32105	Rubber Tube1	16
9	38633	Front Brake Hose 1	1
10	70546	Three Line Coupler	2
11	38634	Tube Disk brake Rear	1
12	70548	Four Line Coupler	1
13	70537	Rear Brake Disc	2
14	70520	Brake Caliper Left, Rear	1
15	38635	Rear Brake Hose 2	1
16	38636	Rear Brake Hose 3	1
17	35786	Foot Brake Cylinder	1
18	27379	Reservoir Hose	1
19	10186W	Bolt M6x35	2
20	10183W	Bolt M6x16	1
21	25299	Reservoir	1
22	38637	Tube Disk brake, Foot Brake	1
23	38638	Front Brake Hose2	1
24	70505	Brake Caliper Right	1
25	38639	Front Brake Hose3	1
26	22230	Four Line Coupler	1
27	10201	Bolt M5x16	4
28	27283	Bolt M6x22	2
29	22126	Cap	1
30	35534	Rubber Sheath	5
31	38640	Rear Brake Hose 4	1
32	38641	Rear Brake Hose 5	1
33	38642	Rear Brake Hose 6	1
34	35791	Brake Caliper Right, Rear	1
35	35711	Service Kit	1
36	70507	Inside And Outside Pad, Front	4
37	22245	Inside And Outside Pad, Rear	4
38	11884	Bolt M8x30	4
39	48323	Stop Switch Front	1
40	10106	Washer 8	8
41	11557	Washer 8	8
42	11201	Bolt M8x20	4
43	11885	Bolt M5x35	6
44	35868	Foot Brake Pump Connection Bolt	1

V21-Pedal, Brake

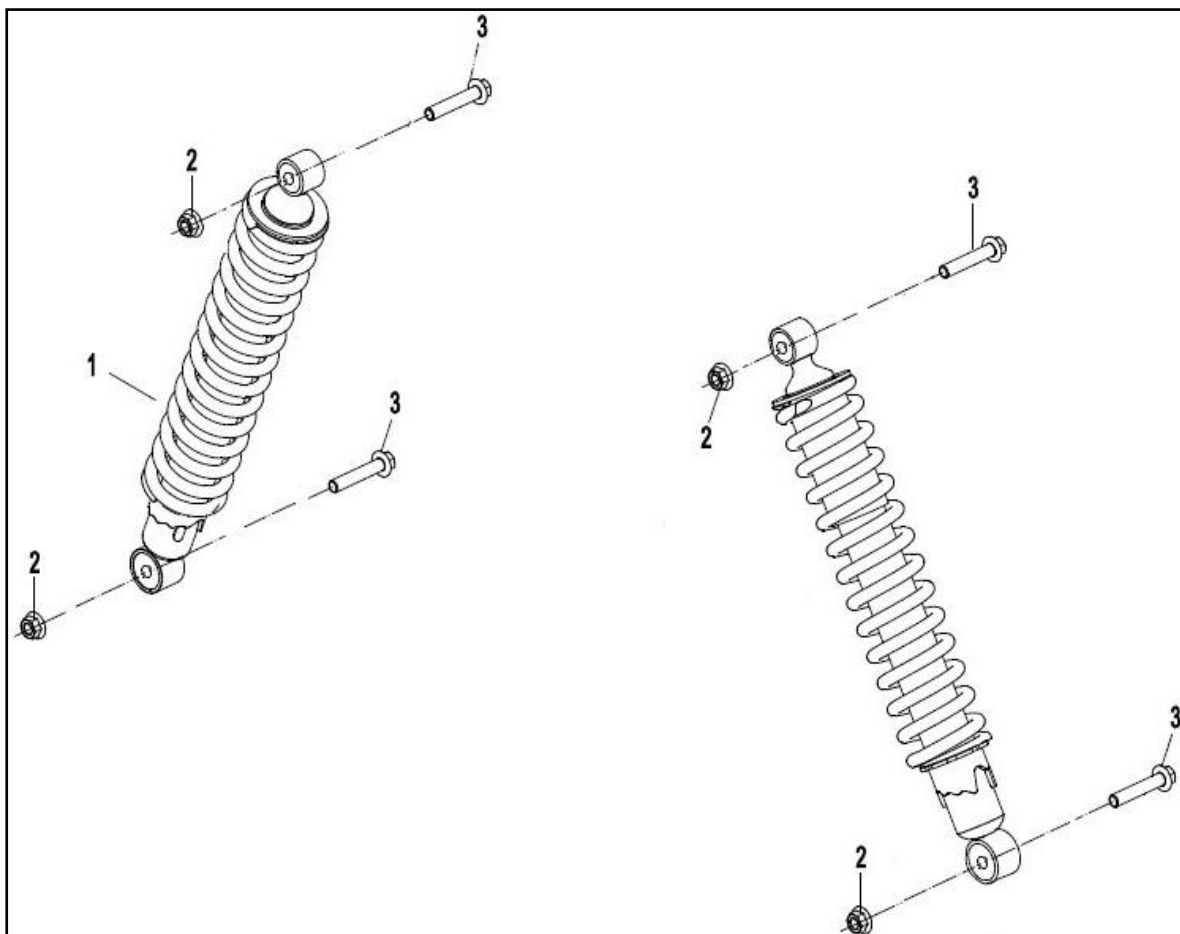


Ref. No.	Part No.	Description	Qty.
1	11886	Bolt M6×16	1
2	10863	Washer 6	1
3	38646	Pedal Brake	1
4	38647	Spring, Stop Switch	1
5	38648	Spring Assy	1

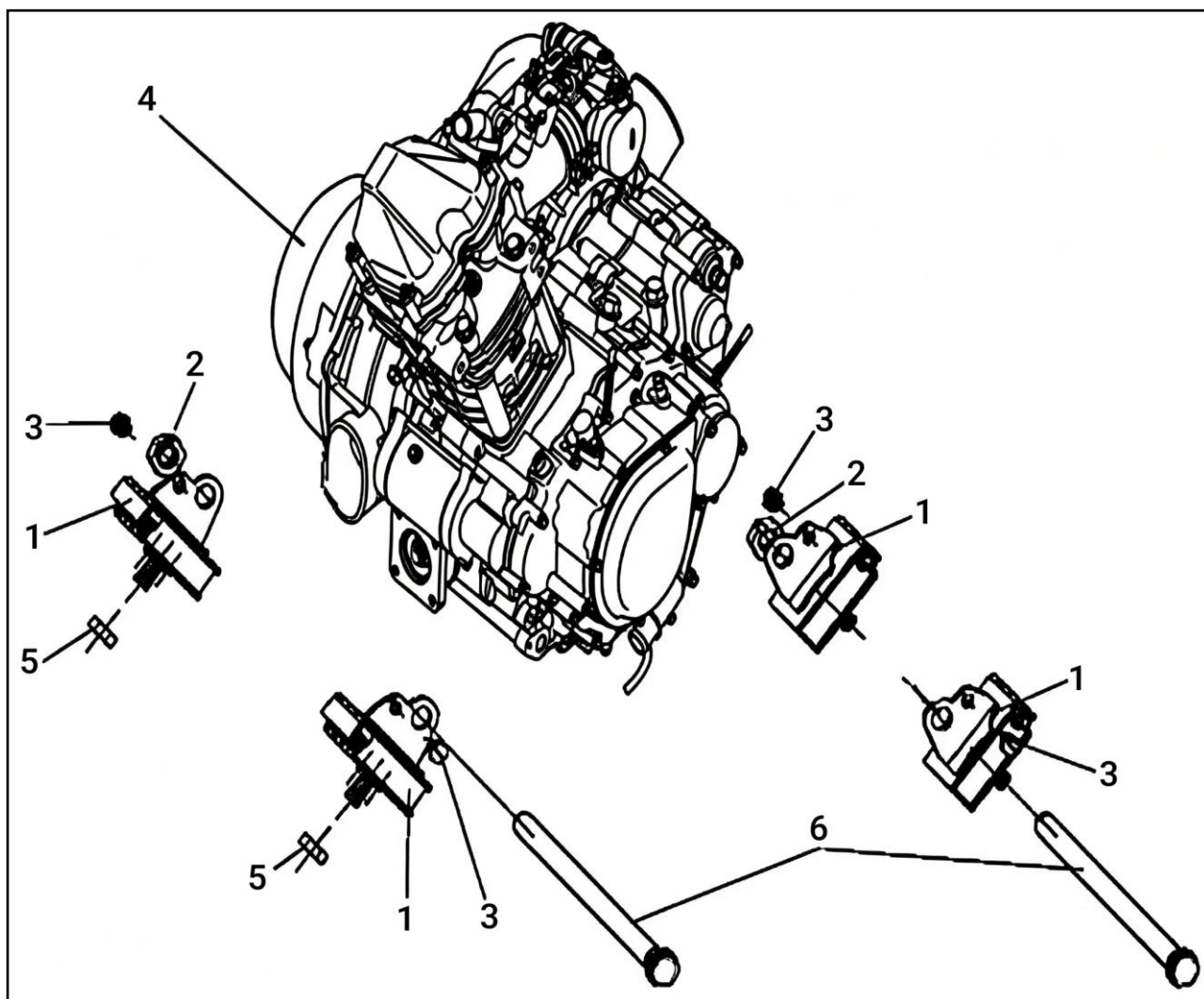


Ref. No.	Part No.	Description	Qty.
1	10059	Bolt M8x25	4
2	26009	Washer 8	4
3	38649	Front Bumper	1
4	38650	Bumper Frame, R	1
5	38651	Front Rack Support Tube (for Flipping)	1
6	38652	T-Type Case (for Flipping)	2
7	38653	Bumper Frame, L	1
8	38654	Front Rack (for Flipping)	1
9	10783	Bolt M8x20	4
10	38655	Front Rack Plastic Cover	1
11	11495	Bolt M6x16	24
12	11643	Bolt M8x60	4
13	10776	Nut 8	6
14	38656	Rear Rack Support Tube, R	1
15	38657	Rear Rack Support Tube, L	1
16	38658	Rear Rack	1
17	38659	Rear Rack Plastic Cover	1
18	11017	Bolt M8x30	4
19	38733	Right, Handle Seat	1
20	36457	Install The Spacer, Handle Seat	4
21	38660	Rear Rack Plastic Cover-Right Small Cover	1
22	38661	Rear Rack Plastic Cover-Left Small Cover	1
23	38734	Left, Handle Seat	1
24	11496	Bolt M6x30	2
25	11064	Nut 6	2
26	10060	Bolt M8x28	2
27	11030	Bolt M8x35	2
28	11088	Screw M4.8x16	8
29	38662	Small Piece of Back Right Cover Plate	1
30	38663	Small Piece of Back Left Cover Plate	1
31	38664	Backrest	1
32	11102	Bolt M8x25	4
33	10882	Nut M8	4
34	38665	Rear Backrest Weld Assembly	1
34A	38735	Rear Backrest Weld Assembly	1
35	38666	Backrest Rubber Left Trim	1
36	38667	Backrest Rubber Right Trim	1
37	70960	Flexible Mounting Nut	4
38	38668	Backrest Cover Plate	1
39	38669	The Decorating Parts of Front Rack	1
40	38736	Bolt M6x16	4

V23-Shock Absorber Assy

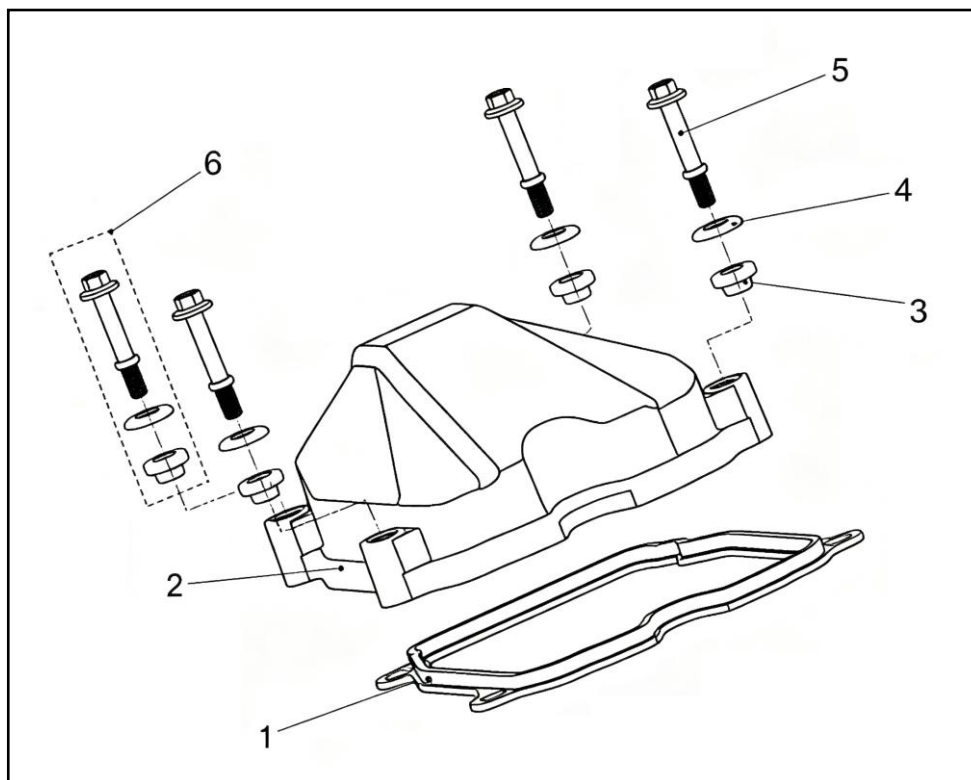


Ref. No.	Part No.	Description	Qty.
1	38671	Front Shock Absorber Assy	2
2	11343	Nut M10×1.25	2
3	10513	Hexagon Flange Bolt M10×1.25×55	2



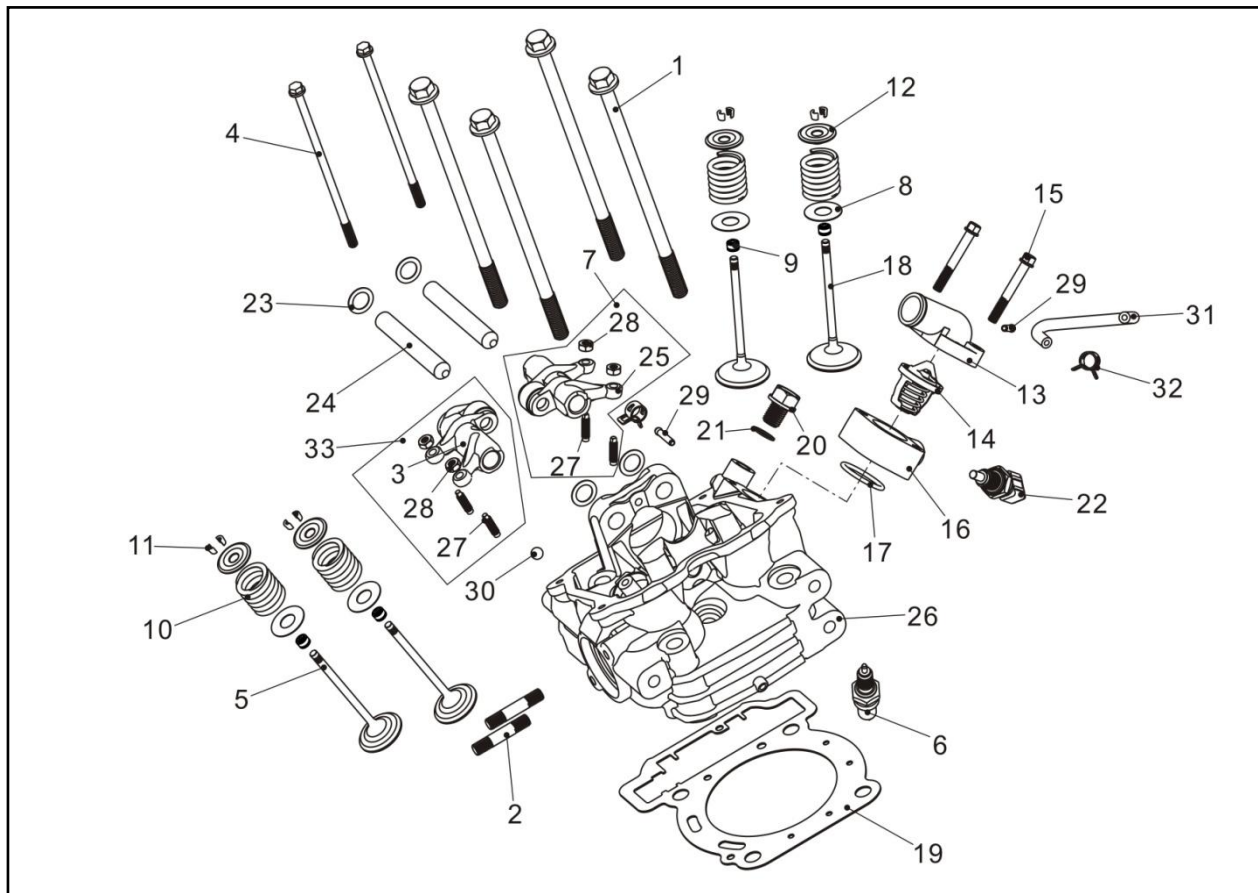
Ref. No.	Part No.	Description	Qty.
1	38673	Bushing Engine Bracket	4
2	10136	Nut M12x1.25	2
3	10928	Bolt M6x16	4
4	38674	Engine Assy.(T3b)	1
5	10015A	Nut M10x1.25	4
6	35896	Bolt M12x1.25x175	2

E01-Cylinder Head Cover

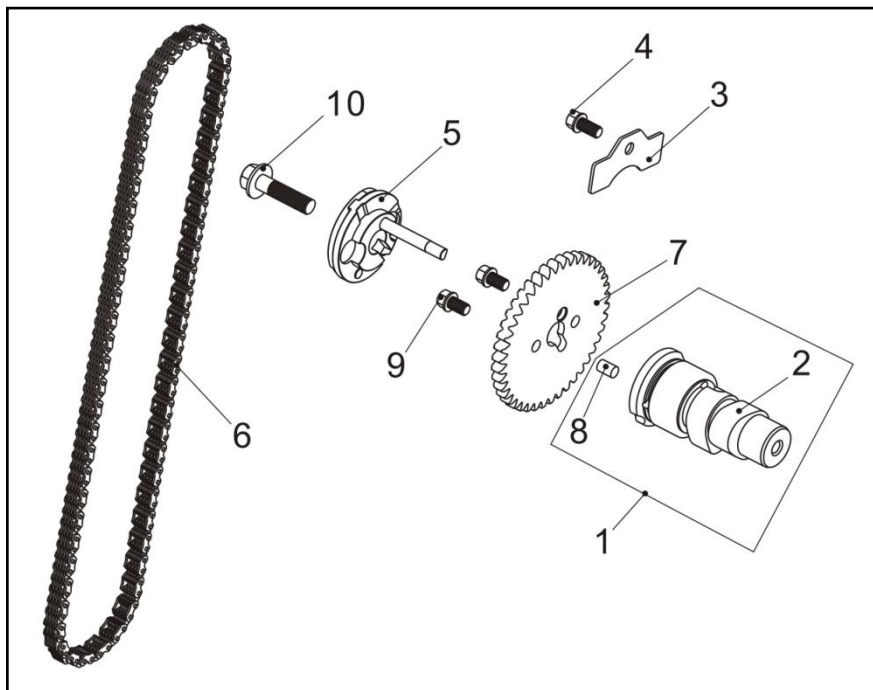


Ref. No.	Part No.	Description	Qty.
1	38003	Gasket, Cylinder Head Cover	1
2	38004	Cylinder Head Cover	1
3	38005	Rubber Washer	4
4	38006	Cap, Rubber Washer	4
5	38007	Bolt, Cylinder Head Cover	4
6	38008	Bolt Comp. Cylinder Head Cover	4

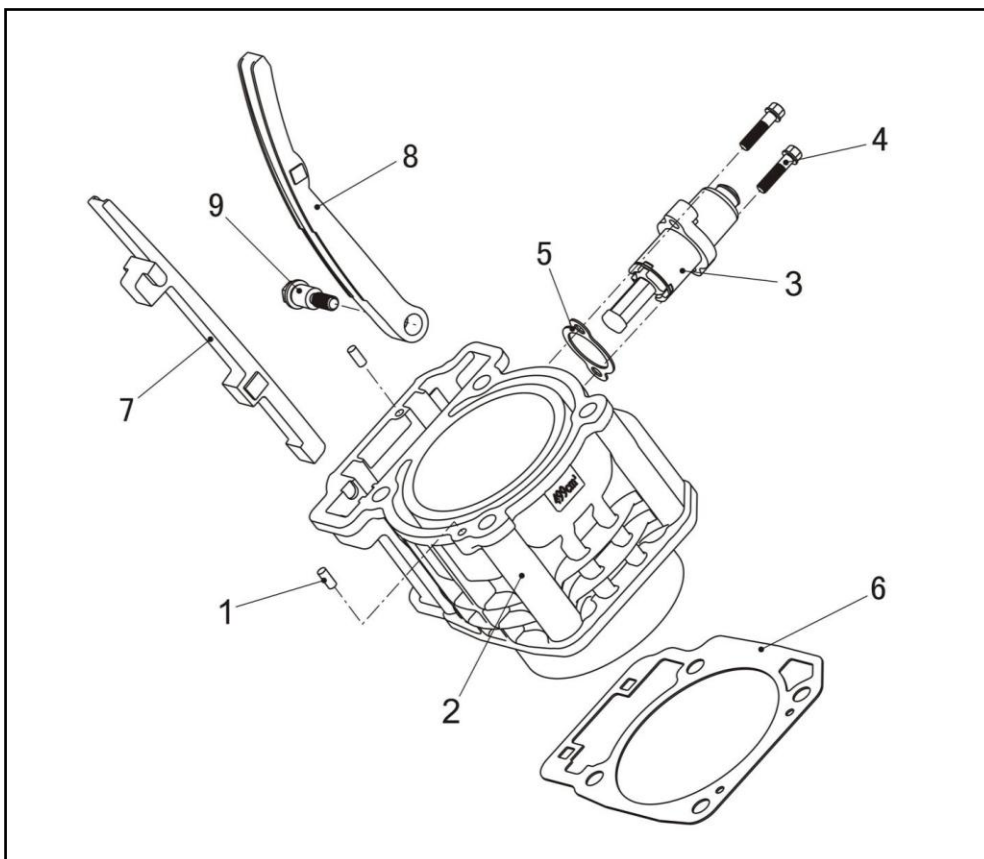
E02-Cylinder Head



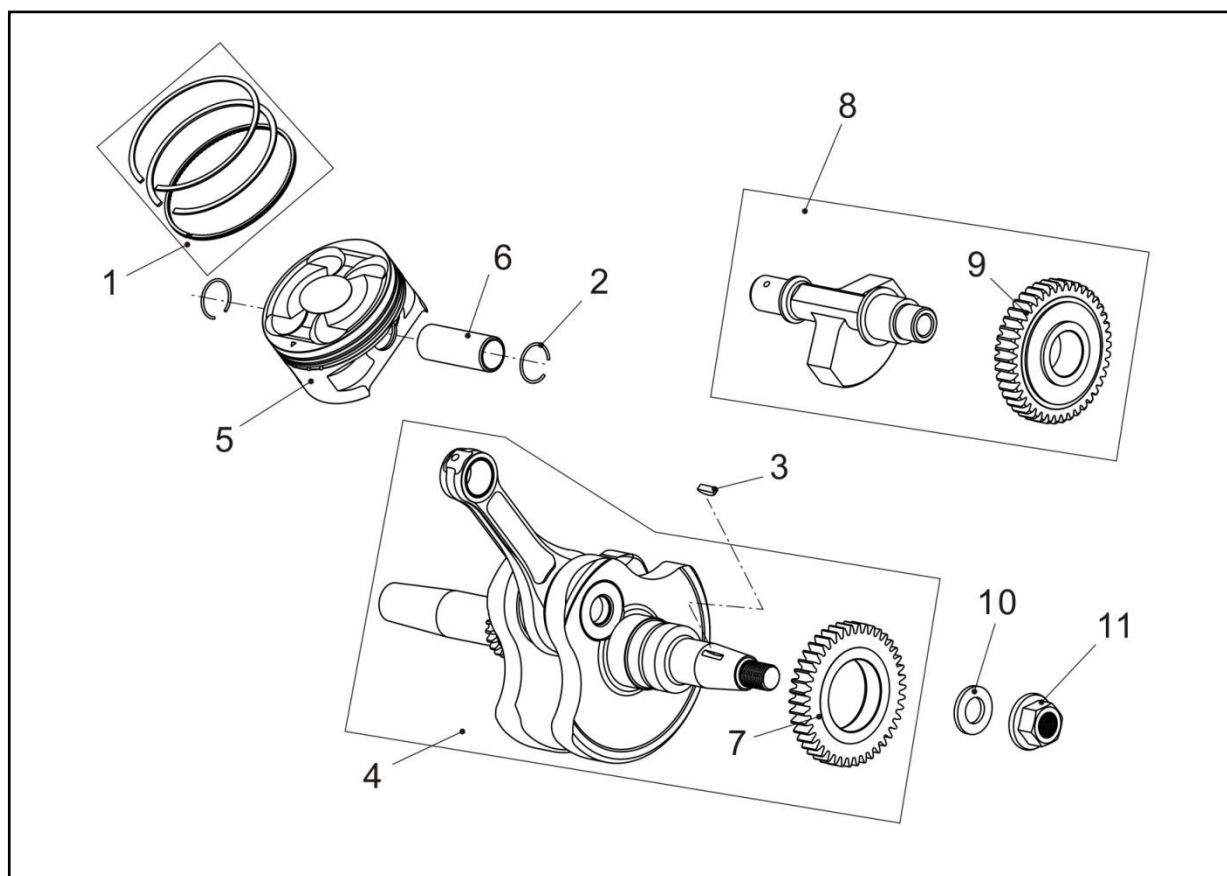
Ref. No.	Part No.	Description	Qty.
1	72297	Bolt	4
2	38009	Stud M8x42	2
*3	38010	Rocker Arm, Exhaust	1
4	38011	Bolt M6x132	2
5	38012	Valve, Exhaust	2
6	38151	Spark Plug	1
7	38031	Intake Rocker Arm, Assembly	1
8	38014	Lower Seat, Valve Spring	4
9	38015	Seal Ring Set, Valve Stem	4
10	38016	Spring, Valve	4
11	38017	Lock Clip, Valve	8
12	38018	Upper Seat, Valve Spring	4
13	38019	Thermostat Cover	1
14	38020	Thermostat	1
15	11583	Bolt M6x45 Trivalent Color	2
16	38021	Seat, Thermostat	1
17	11584	O-Ring,28x2.65	1
18	38022	Valve, Intake	2
19	38023	Gasket, Cylinder Head	1
20	50105	Drain Bolt, M12x1.5	1
21	38143	Washer 14	1
22	35095e	Water Temperature Sensor	1
23	38024	Washer 12.3x18.5x0.5	4
24	38025	Shaft, Rocker Arm	2
*25	38026	Rocker Arm, Intake	1
26	38027	Cylinder Head Comp	1
*27	38028	Adjust Screw, Valve	4
*28	38029	Adjust Nut, Valve	4
29	35851	Water Connection	2
30	11585	Friction Ball 5	1
31	35104	Pipe, Cylinder Head	1
32	35109	Clip 7.5	2
33	38030	Exhaust Rocker Arm, Assembly	1



Ref. No.	Part No.	Description	Qty.
1	38675	Camshaft Assembly	1
*2	38676	Camshaft	1
3	38034	Holding Strip, Camshaft	1
4	10140B	Bolt M6x12	1
5	38035	Decompressor, Starter	1
6	38036	Timing Chain	1
7	38037	Timing Sprocket	1
*8	38038	Dowel Pin, Timing Sprocket	1
9	11586	Bolt M6x10-10.9	2
10	38039	Bolt M8x32-10.9	1

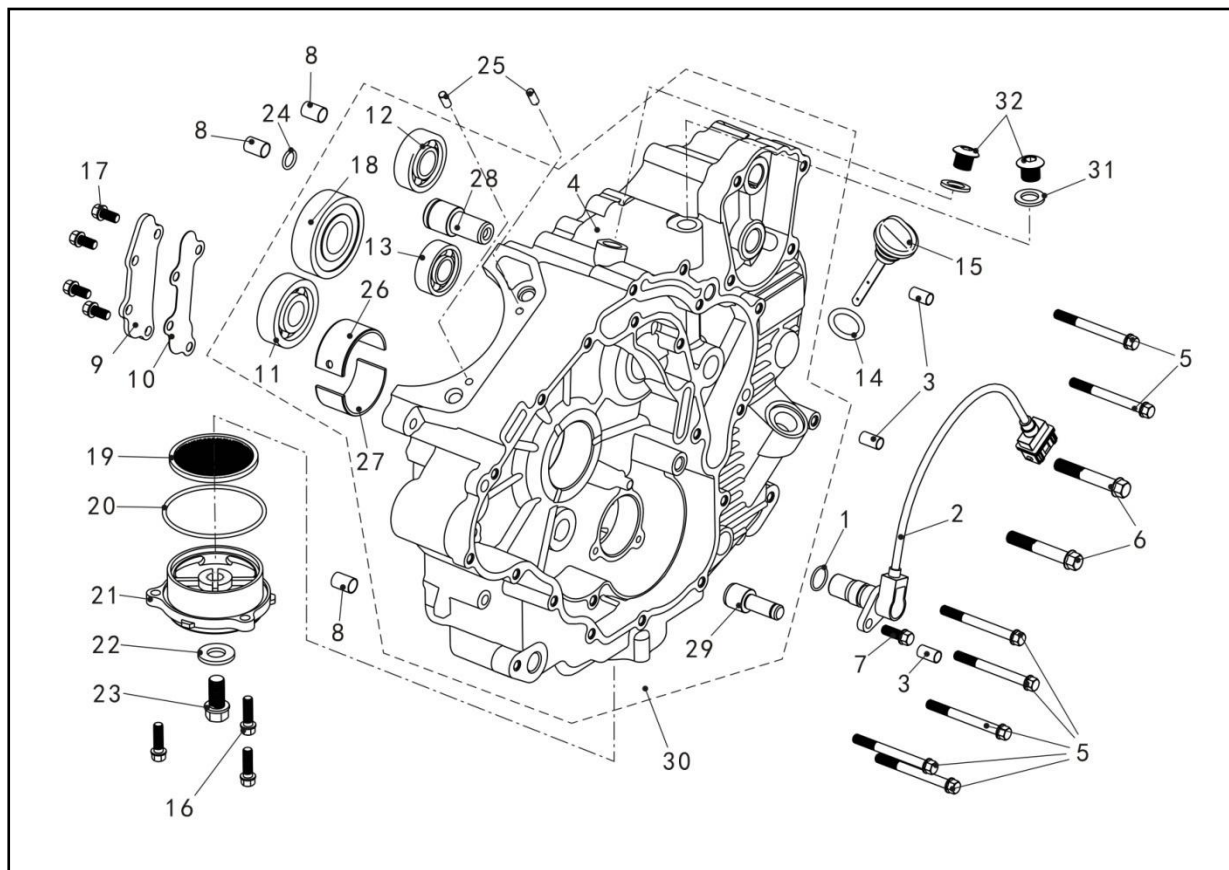


Ref. No.	Part No.	Description	Qty.
1	38040	Needle Pin P 5x11.8	2
2	38677	Cylinder Body (Mark 1)	1
2	38678	Cylinder Body (Mark 2)	1
3	38042	Tensioner Assy	1
4	11436	Bolt M6x25	2
5	35158	Gasket, Tensioner	1
6	38043	Paper Washer Cylinder Body	1
7	38044	Upper Guide, Chain	1
8	38045	Tensioner, Chain	1
9	38046	Pin Shaft	1



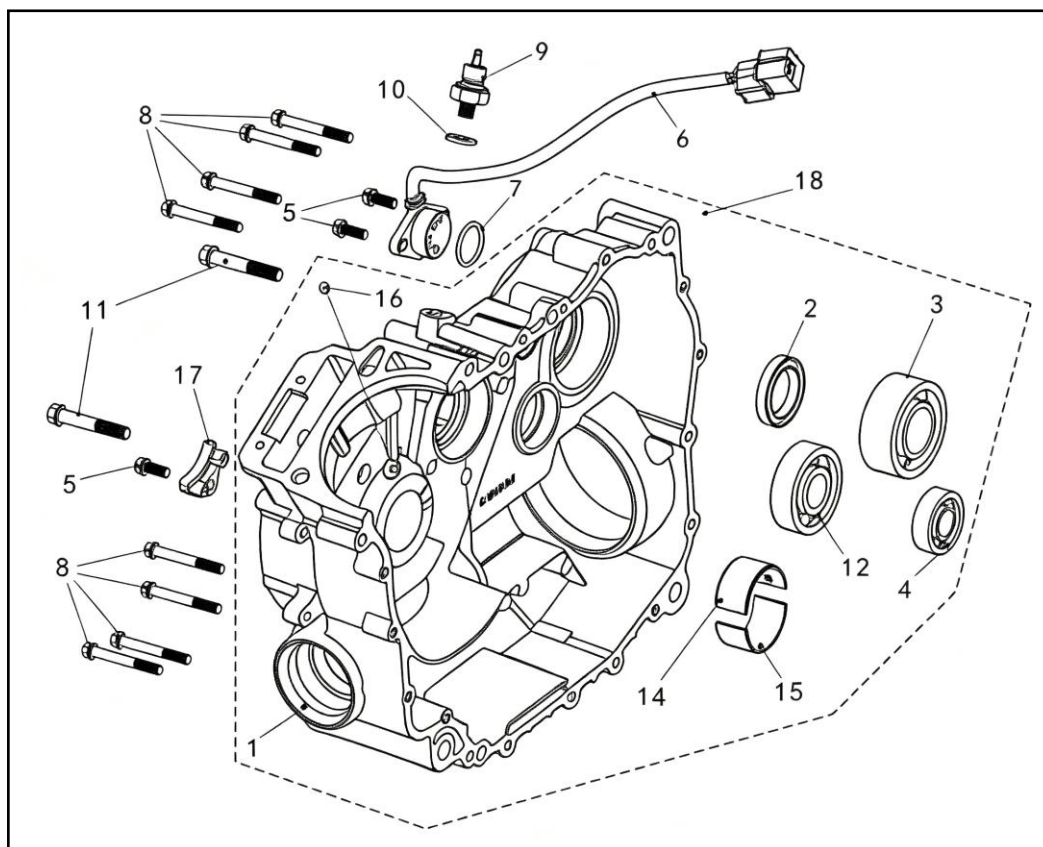
Ref. No.	Part No.	Description	Qty.
1	38047	Piston Ring Assy	1
2	38048	Circlip, Piston Pin	2
3	35133	Woodruff Key	1
4	38679	Crankshaft Assy	1
5	38680	Piston Optional (Small)/Mark I	1
5	38681	Piston Optional (Big)/Mark II	1
6	38682	Piston Pin	1
*7	38053	Drive Gear, Balancer Shaft	1
8	38683	Shaft, Balancer	1
*9	38055	Gear, Balance Shaft	1
10	71689	Washer 16.5	1
11	71688	Nut M16x1.5	1

E06-Left Crankcase

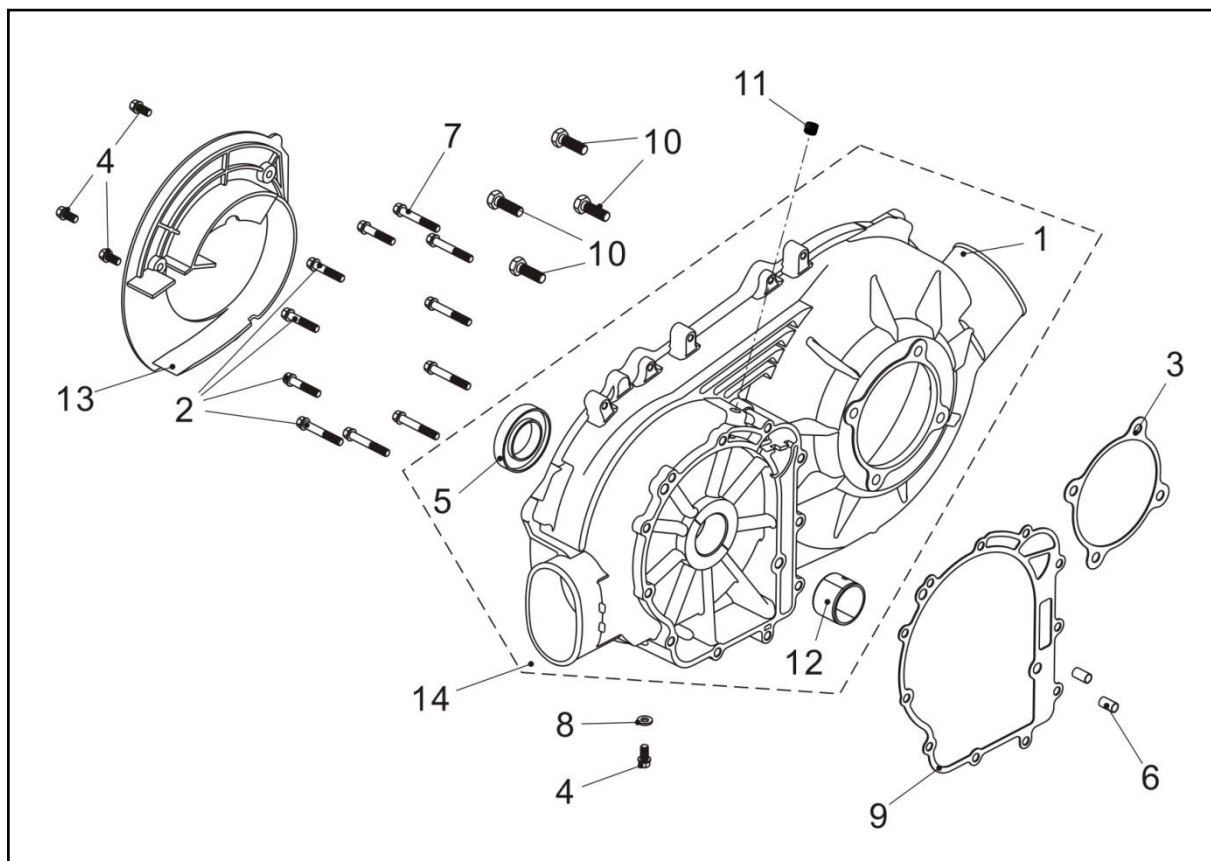


Ref. No.	Part No.	Description	Qty.
1	35225	O-Ring 14×1.44	1
2	35337	Speed Sensor	1
3	50076	Dowel Pin f8x14	3
4	38056	Left Crankcase	1
5	11587	Bolt M6x60	7
6	11588	Bolt M8x50	2
7	11589	Bolt M6x16	1
8	35094	Dowel Pin f10x14	3
9	38057	Oil Cover Plate	1
10	38058	Paper Washer	1
11	10846	Bearing 6303	1
12	10851	Bearing 6203	1
13	10849	Bearing 6202	1
14	10844	O-Ring 18x3.55	1
15	38059	Dipstick, Engine Oil	1
16	11590	Bolt M6x20	3
17	11591	Bolt M6x12	4
18	10848	Rolling Bearing	1
19	38060	Oil Strainer	1
20	38061	O-Ring 63x2.5	1
21	38148	Plate, Oil Strainer	1
22	1309283	Washer 12	1
23	50105	Drain Bolt, M12x1.5 0180-011500	1
24	10843	O-Ring 10×1.8	1
25	38040	Needle Pin P 5x11.8	2
26	38064	Bearing Sleeve Red II	1
26	38065	Bearing Sleeve Blue II	1
27	38062	Bearing Sleeve Red I	1
27	38063	Bearing Sleeve Blue I	1
28	38066	Intermediate Gear, Shaft, Reverse	1
29	38067	Shaft, Dual Gear, Oil Pump	1
30	38068	Left Crankcase Assy	1
31	38143	Washer 14	2
32	35150	Bolt M14×1.25×12	2

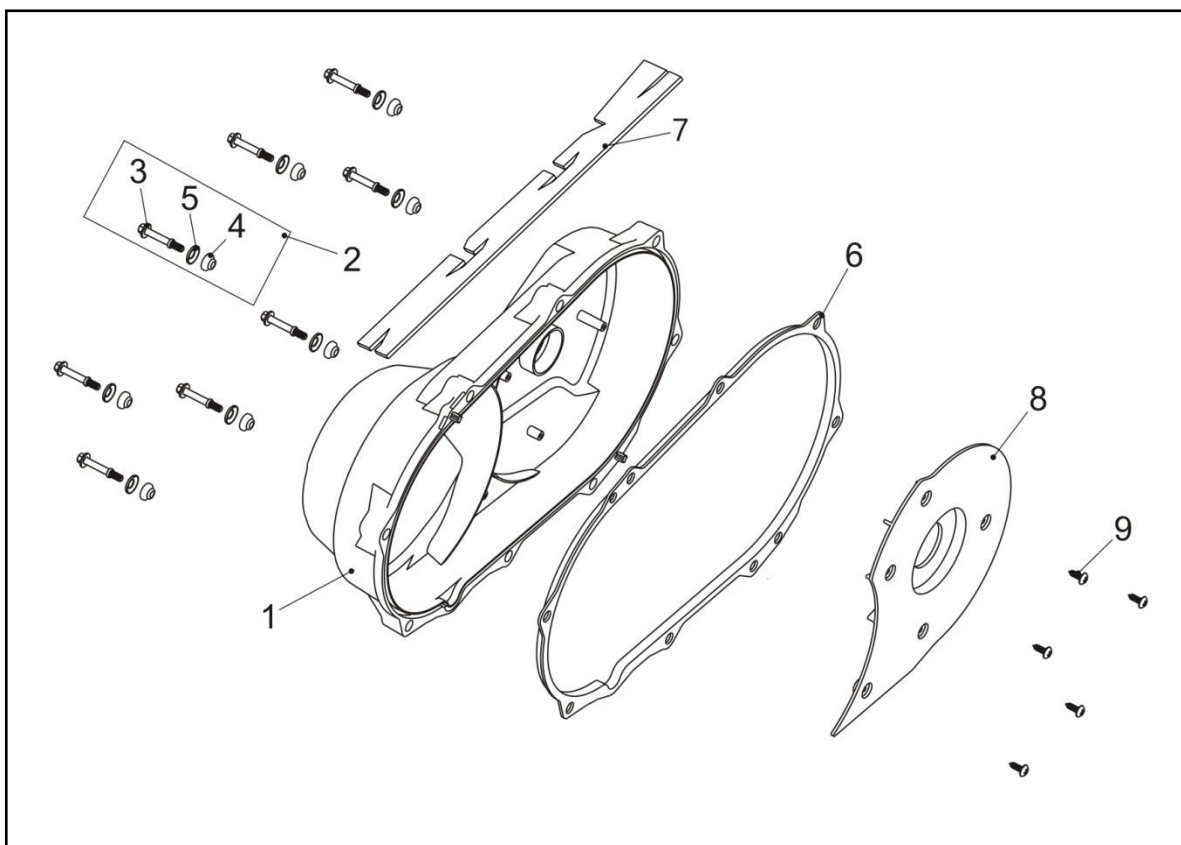
E07-Right Crankcase



Ref. No.	Part No.	Description	Qty.
1	38069	Right Crankcase	1
2	35222	Oil Seal 30x45x7	1
3	10860	Bearing 5206C3	1
4	10851	Bearing 6203	1
5	11589	Bolt M6x16	3
6	38070	Gear Position Sensor	1
7	35226	O-Ring 26x2.5	1
8	11593	Bolt M6x50	8
9	38071	Switch, Oil Pressure	1
10	35227	Washer 10	1
11	11588	Bolt M8x50	2
12	10848	Rolling Bearing	1
14	38064	Bearing Sleeve Red 2	1
14	38065	Bearing Sleeve Blue 2	1
15	38062	Bearing Sleeve Red 1	1
15	38063	Bearing Sleeve Blue 1	1
16	38072	Plug	1
17	38073	Guide, Chain	1
18	38074	Right Crankcase Assy	1

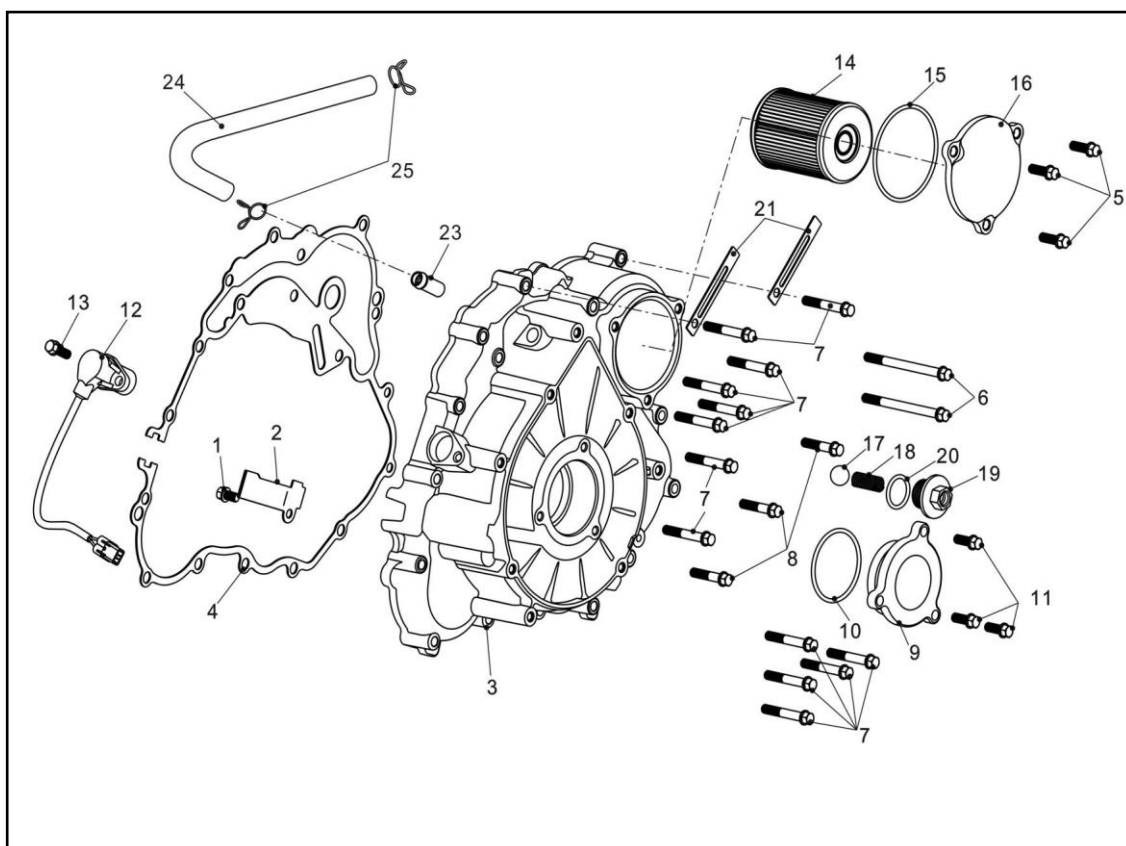


Ref. No.	Part No.	Description	Qty.
1	38684	CVT Case	1
2	11595	Bolt M6×30	4
3	38078	Paper Gasket, CVT Case 2	1
4	11596	Bolt M6×12	4
5	38077	Oil Seal 32x55x10	1
6	50076	Dowel Pin f8x14	2
7	11597	Bolt M6x40	7
8	35108	Washer 6	1
9	38076	Paper Gasket, CVT Case 1	1
10	11598	Bolt M8x25	4
11	38079	Plug	1
12	38080	Plain Bearing, CVT Case Red	2
12	38081	Plain Bearing, CVT Case Blue	2
13	38082	Plate, Air Intake	1
14	38685	CVT Case Assy	1

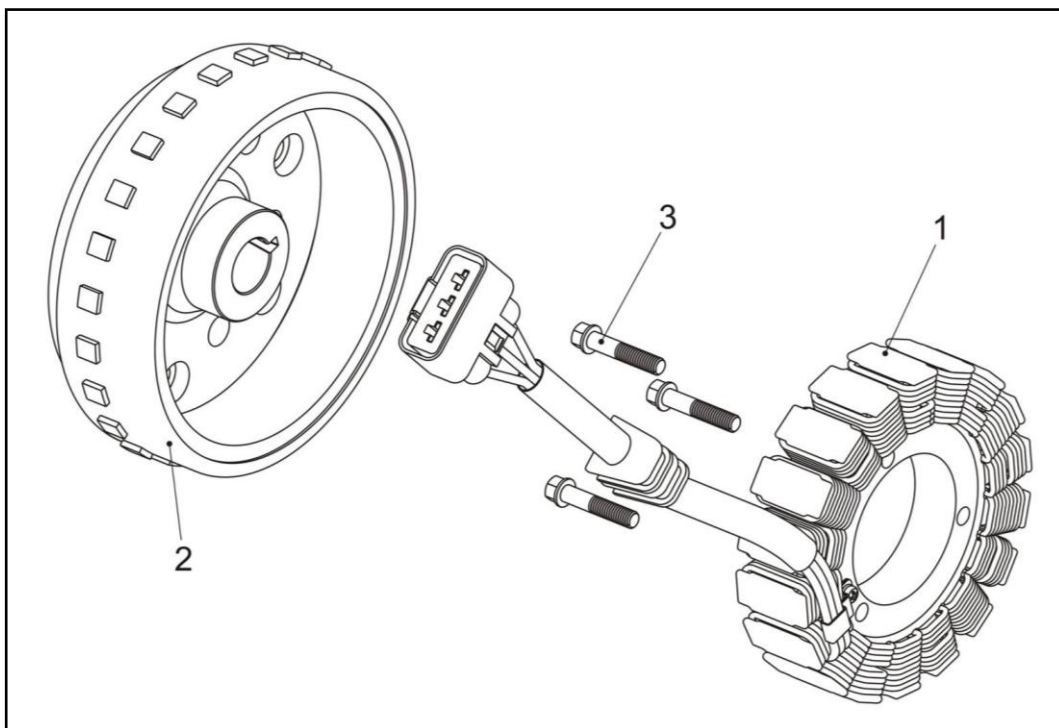


Ref. No.	Part No.	Description	Qty.
1	38084	CVT Cover	1
2	38008	Bolt Comp. Cylinder Head Cover	8
*3	38007	Bolt, Cylinder Head Cover	8
*4	38005	Rubber Washer	8
*5	38006	Cap, Rubber Washer	8
6	38146	Seal Ring, CVT Cover	1
7	38149	Insulation Mat	1
8	38086	Rear Heat Insulation Cover	1
9	11599	Self-Tapping Screw 5	10
10	38149	CVT Adiabatic Pellicle	1

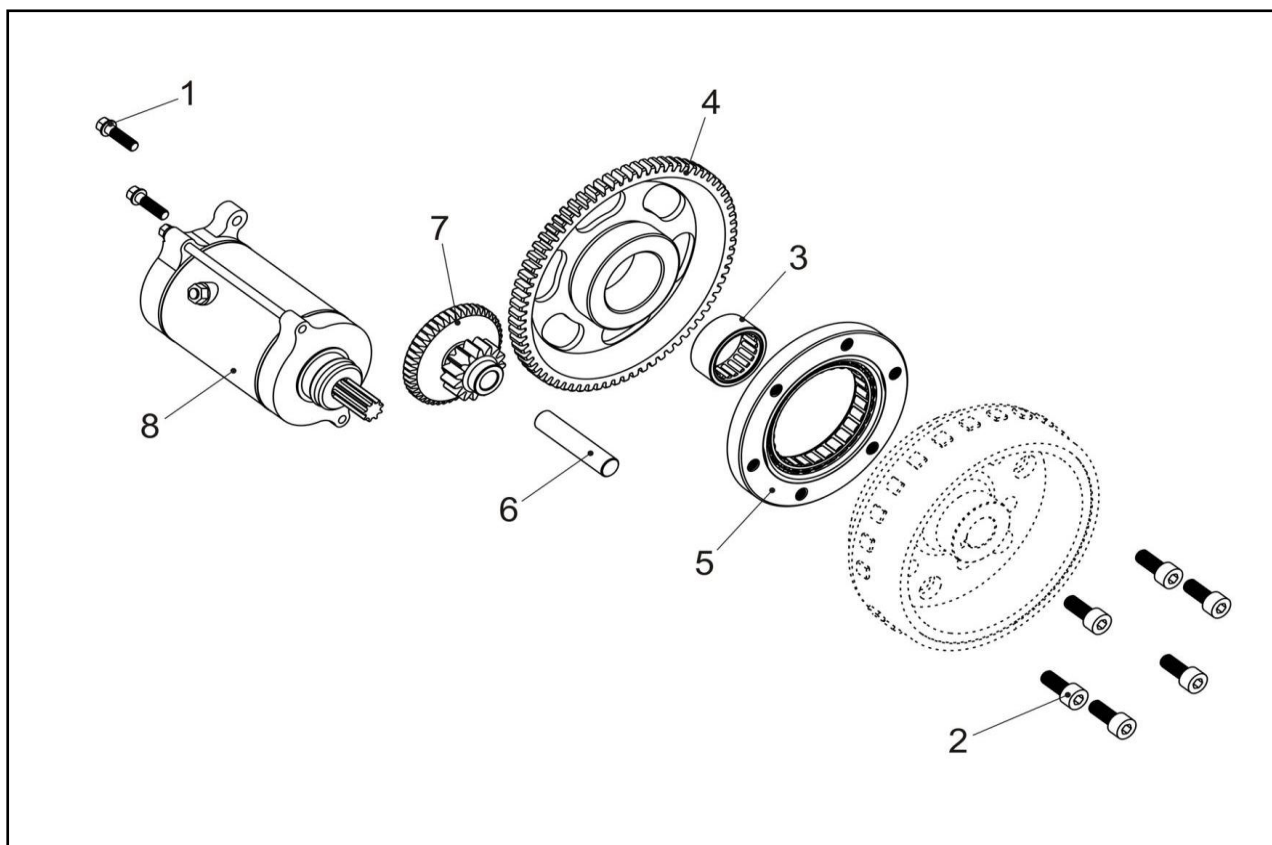
E10-Left Crankcase Cover



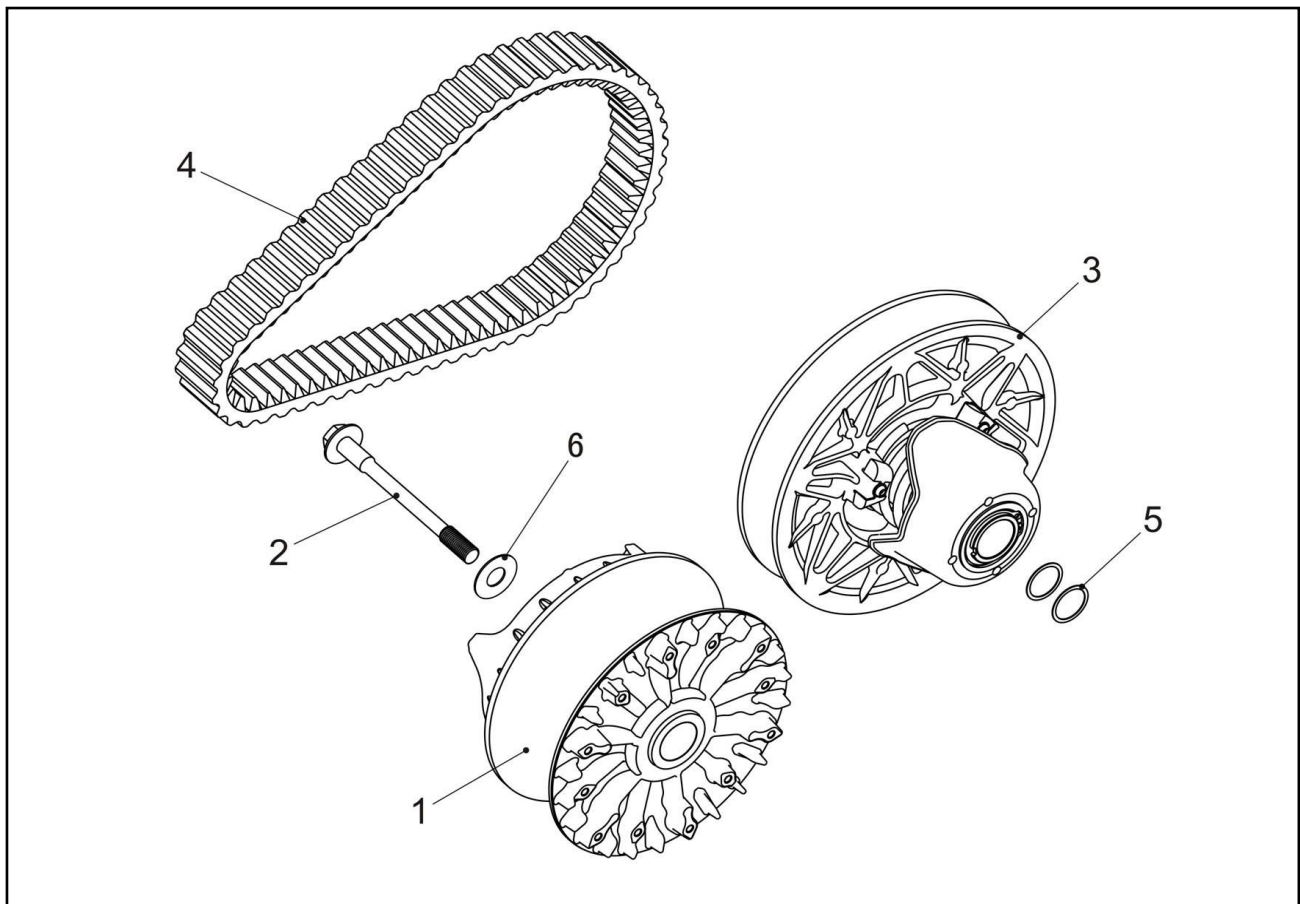
Ref. No.	Part No.	Description	Qty.
1	11600	Bolt M6x10	1
2	38087	Plate	1
3	38088	Cover, Left Crankcase	1
4	38089	Gasket, Left Crankcase Cover	1
5	11591	Bolt M6x18	3
6	11602	Bolt M6x75	2
7	11603	Bolt M6x40	13
8	11604	Bolt M6x30	3
9	35537	End Cap	1
10	10039	O-Ring 46.5x2.65	1
11	11596	Bolt M6x14	3
12	38090	Rpm Sensor	1
13	11589	Bolt M6x16	1
14	38091	Filter, Engine Oil Bb	1
15	38061	O-Ring 63x2.5	1
16	38147	Cap, Oil Filter	1
17	11607	Steel Ball	1
18	38092	Spring, Relief Valve	1
19	38093	Screw Plug, Decompressor	1
20	38094	O-Ring 19x2.5	1
21	35247	Wire Clamp	2
23	35219	Joint, Breather Hose	1
24	35220a	Breather Hose	1
25	10845	Clamp A12	2



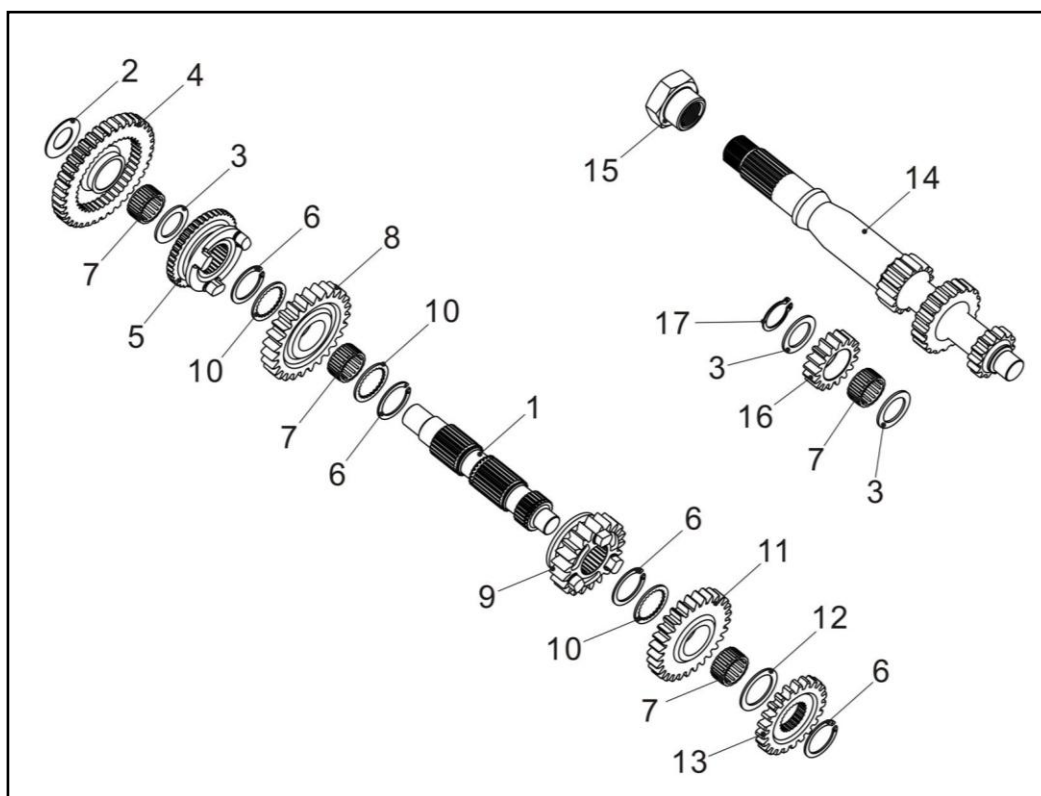
Ref. No.	Part No.	Description	Qty.
1	38096	Stator Assy	1
2	38097	Rotor Assy	1
3	11437	Bolt M6×30	3



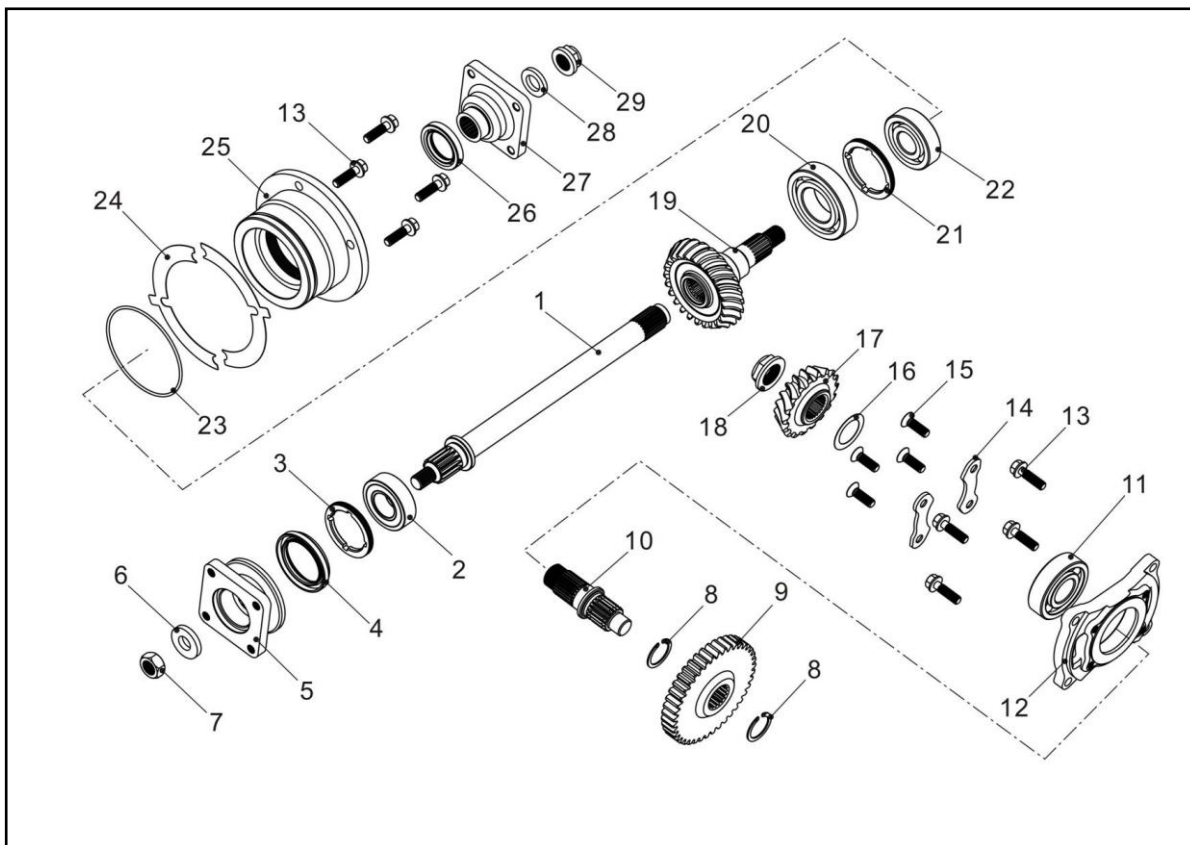
Ref. No.	Part No.	Description	Qty.
1	10278	Bolt M6x22	2
2	10830	Screw M8x20	6
3	10859	Needle Bearing	1
4	35260	Driven Gear	1
5	35265	Overriding Clutch	1
6	35261	Axle, Dual Gear	1
7	38098	Starter Dual Gear	1
8	38712	Starting Motor	1



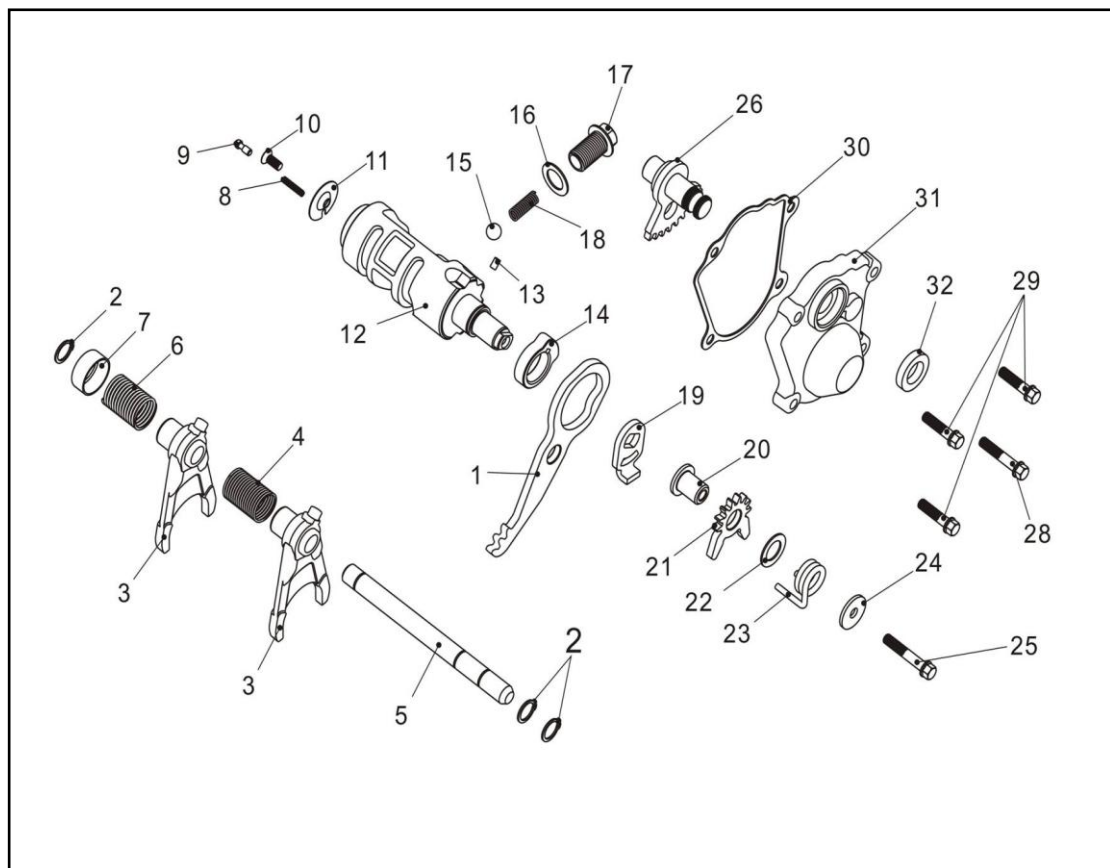
Ref. No.	Part No.	Description	Qty.
1	48637	Drive Pulley 1	1
1	73935	Drive Pulley (New Model)	1
2	38101	Bolt, Drive Pulley	1
3	38102	Pulley, Driven	1
4	38686	CVT Belt Bando (Bando)	1
5	38104	Adjusting Washer	2
6	38105	Drive Pulley Washer	1



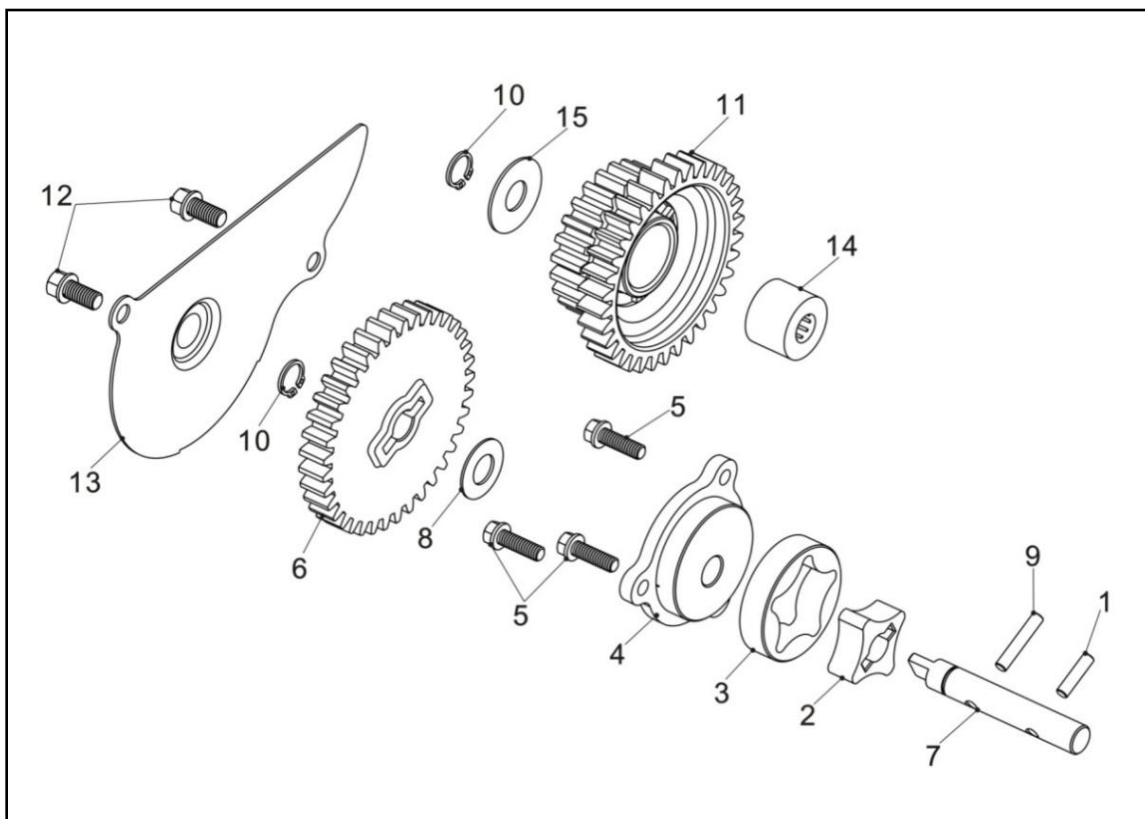
Ref. No.	Part No.	Description	Qty.
1	38106	Secondary Shaft	1
2	38107	Washer 17.5x32x1	1
3	35312	Washer 20.5x30x1.5	3
4	38108	Driven Gear, Low Range	1
5	38109	Slide Gear	1
6	35311	Retainer 25	4
7	38110	Bearing 20x25x12	4
8	38111	Gear, High Range	1
9	38112	Driving Gear, Counter	1
10	38113	Washer 3	1
11	38114	Gear, Reverse	1
12	38115	Washer 25X34X1.3	1
13	38116	Gear, Parking	1
14	38117	Main Shaft	1
15	38118	Nut, Main Shaft	1
16	38119	Intermediate Gear Shaft, Reverse	1
17	24407	Retainer	1



Ref. No.	Part No.	Description	Qty.
1	35288	Front Output Shaft	1
2	10267N	Bearing 6205	1
3	35291	Bearing Retainer, Front Output Shaft	1
4	35289	Oil Seal 44×60×6.7/10	1
5	35290	Coupler, Front Transmission Output	1
6	35292	Washer, Front Transmission Output Shaft Nut	1
7	10837	Nut M14×1.5-10	1
8	35311	Circlip 25	2
9	35271	Output Driven Gear	1
10	35276	Drive Bevel Gear Shaft	1
11	10855	Bearing 6305C3	1
12	35274	Bearing Seat, Drive Bevel Gear	1
13	35286	Bolt M8×28	4
14	35287	Bearing Limit	2
15	11517	Screw M8×25	4
16	35277	Adjust Washer, Drive Bevel Gear	1
17	35272	Drive Bevel Gear	1
18	35275	Locknut, Bevel Gear	1
19	35273	Driven Bevel Gear	1
20	10856	Bearing 6207/P63	1
21	35282	Bearing Limit Nut	1
22	10848	Bearing 63/22	1
23	35279	O-Ring 88×2.4	1
24	35280	Adjust Washer, Driven Bevel Gear	2
25	35278	Bearing Seat, Driven Bevel Gear	1
26	35281	Oil Seal 30×46×7	1
27	35283	Coupler, Rear Transmission Output	1
28	35284	Washer, Rear Output Shaft Nut	1
29	35285	Nut, Rear Output Shaft	1

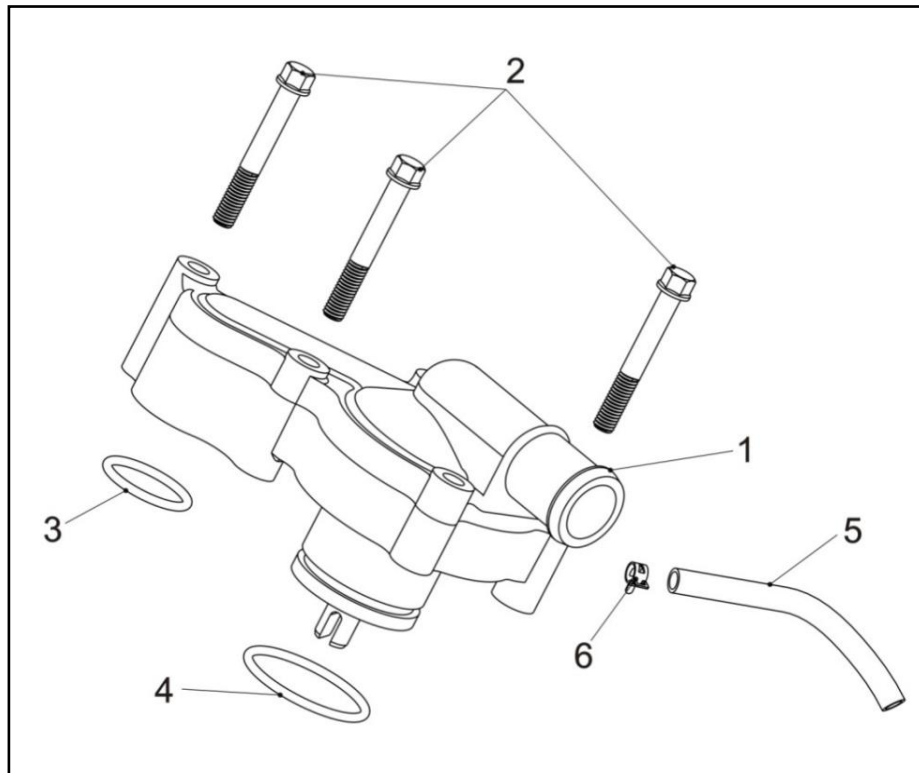


Ref. No.	Part No.	Description	Qty.
1	38120	Rocker Arm, Parking	1
2	10129	Circlip 12	3
3	38121	Shift Fork	1
4	35327	Spring 1, Shift Fork	1
5	35333	Guide Bar	1
6	35328	Spring 2, Shift Fork	1
7	35326	Spring Seat	2
8	35322	Spring, Gear Contactor	1
9	35321	Gear Contactor	1
10	10135	Screw M5×12	1
11	35323	Limit Washer	1
12	38122	Shift Cam	1
13	38123	Needle Pin	1
14	38124	Cam, Parking	1
15	10842	Friction Ball 3/8	1
16	35324	Washer 14×22×1	1
17	35325	Hole Bolt M14×1.5	1
18	35332	Limit Spring	1
19	35303	Washer, Driven Sector Gear	1
20	35302	Shaft, Driven Sector Gear	1
21	35301	Driven Sector Gear	1
22	35304	Washer 13.5×22×1	1
23	35305	Torsion Spring, Driven Sector Gear	1
24	35306	Washer 6.6×20×2	1
25	11438	Bolt M6×35	1
26	35300	Weld Part, Drive Sector Gear	1
28	10329	Bolt M6×32	1
29	10187	Bolt M6×25	3
30	35241	Gasket, Sector Gear Housing	1
31	35240	Cover, Sector Gear Housing	1
32	35242	Oil Seal 15×25×5	1

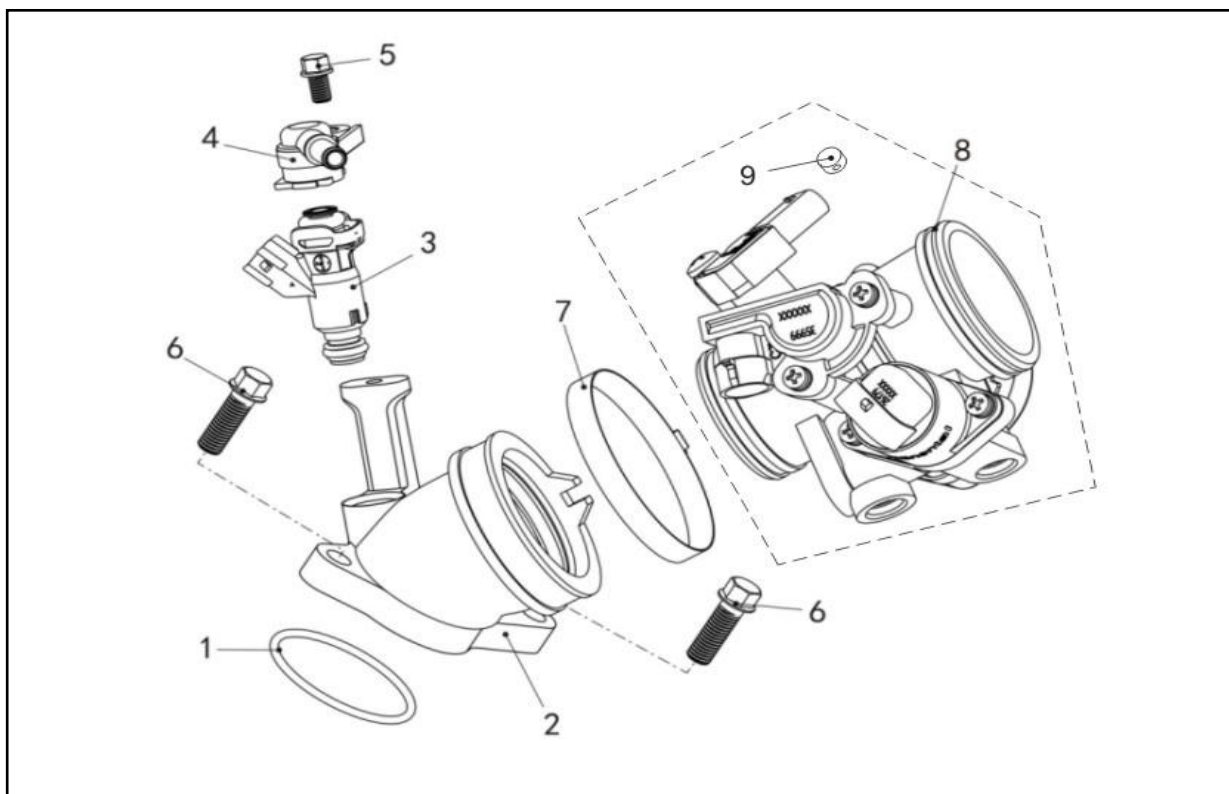


Ref. No.	Part No.	Description	Qty.
1	11608	Needle Pin P 4x15.8	1
2	38125	Inner Rotor, Oil Pump	1
3	38126	Outer Rotor, Oil Pump	1
4	38127	Cover, Oil Pump	1
5	11609	Bolt M5x16	3
6	38128	Solid Gear, Oil Pump	1
7	38129	Shaft, Oil Pump	1
8	38130	Washer 10.5x20x1	1
9	11610	Needle Pin P 4x21.8	1
10	11611	Circlip 10	2
11	38131	Dual Gear, Oil Pump	1
12	11596	Bolt	2
13	38132	Oil Guard	1
14	38133	Needle Bear HK10x22x16	1
15	38134	Washer 10.5x26x1	1

E18-Water Pump

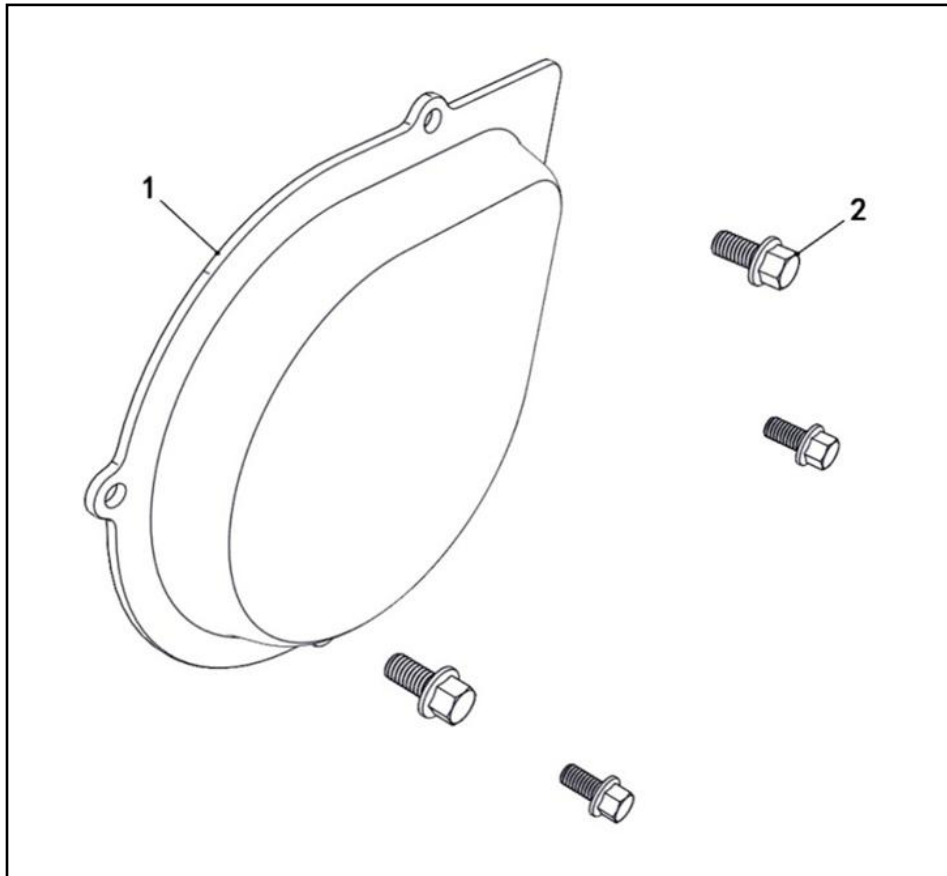


Ref. No.	Part No.	Description	Qty.
1	38135	Water Pump Assy	1
2	11583	Bolt M6x45	3
3	38136	O-Ring 22.5x2.5	1
4	35174	O-Ring 34x2.5	1
5	38137	Overflow Tube	1
6	11614	Clip 6.5	1



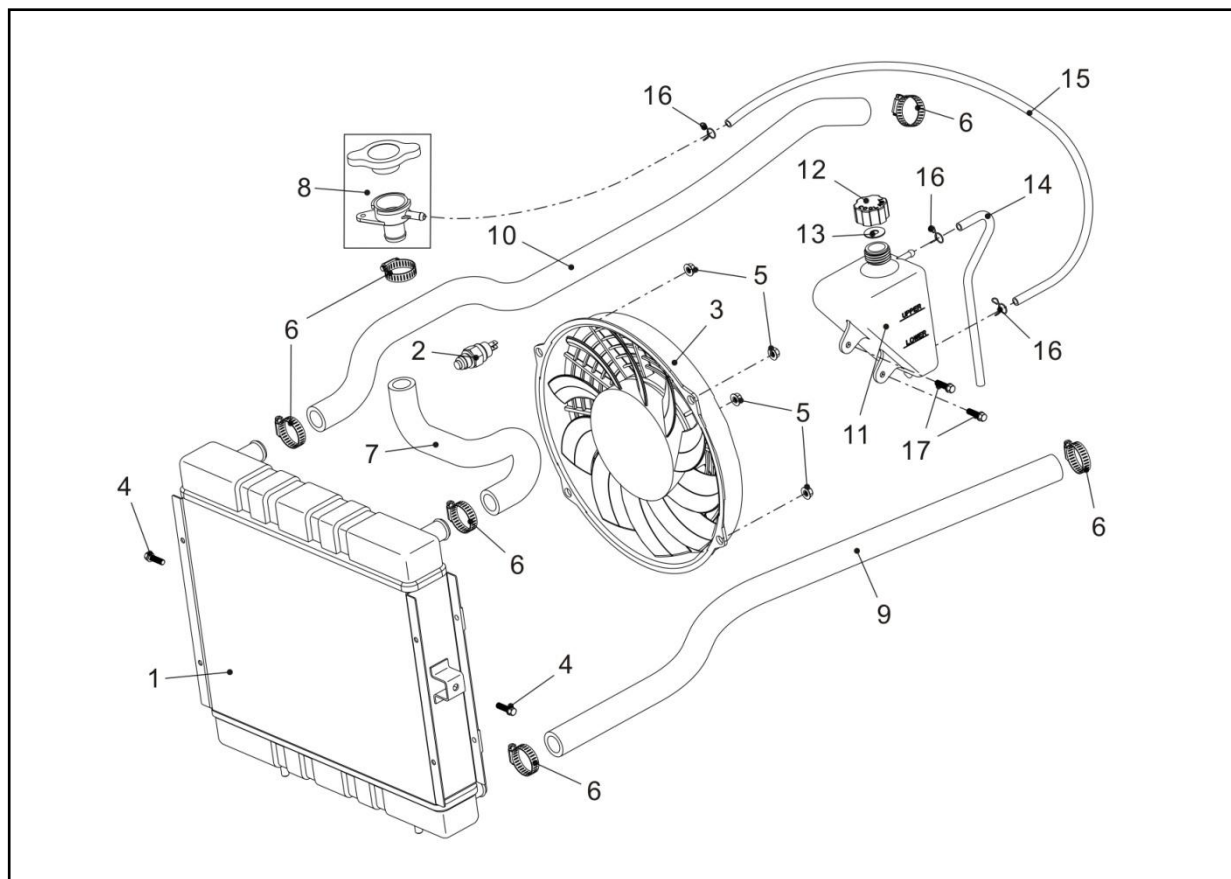
Ref. No.	Part No.	Description	Qty.
1	38138	Seal Ring, Injector Seat	1
2	38319	Injector Seat	1
3	35745	Injector	1
4	38320	Injector Cap	1
5	10971	Bolt M6x10	1
6	11016	Bolt M8x25	2
7	35747	Clip 64	2
8	38688	Throttle Body Assembly	1
9	38343	Throttle Cable Column	1

E20-Left Side Cover



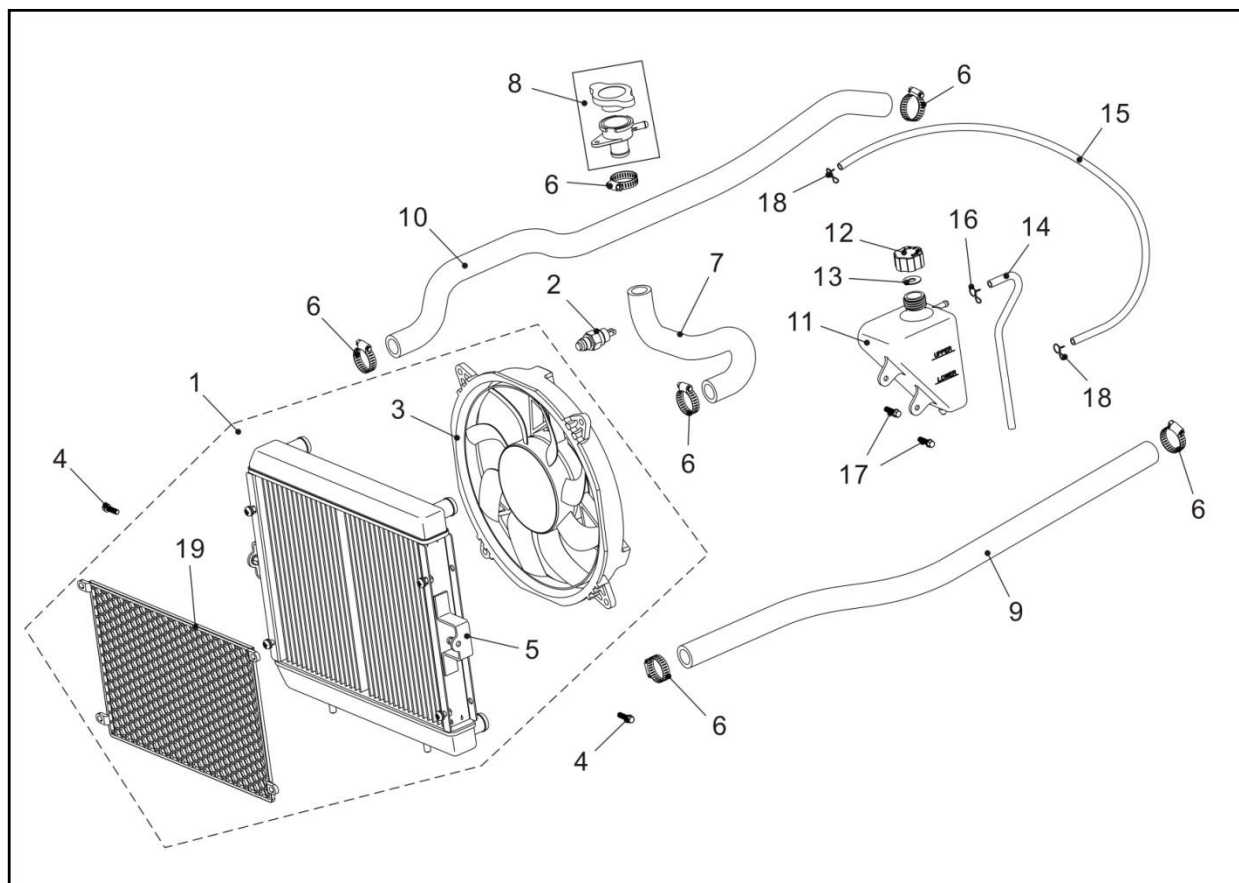
Ref. No.	Part No.	Description	Qty.
1	35270	Left Side Cover	1
2	11435	Bolt M6x12	4

E21-Radiator (Old Model)

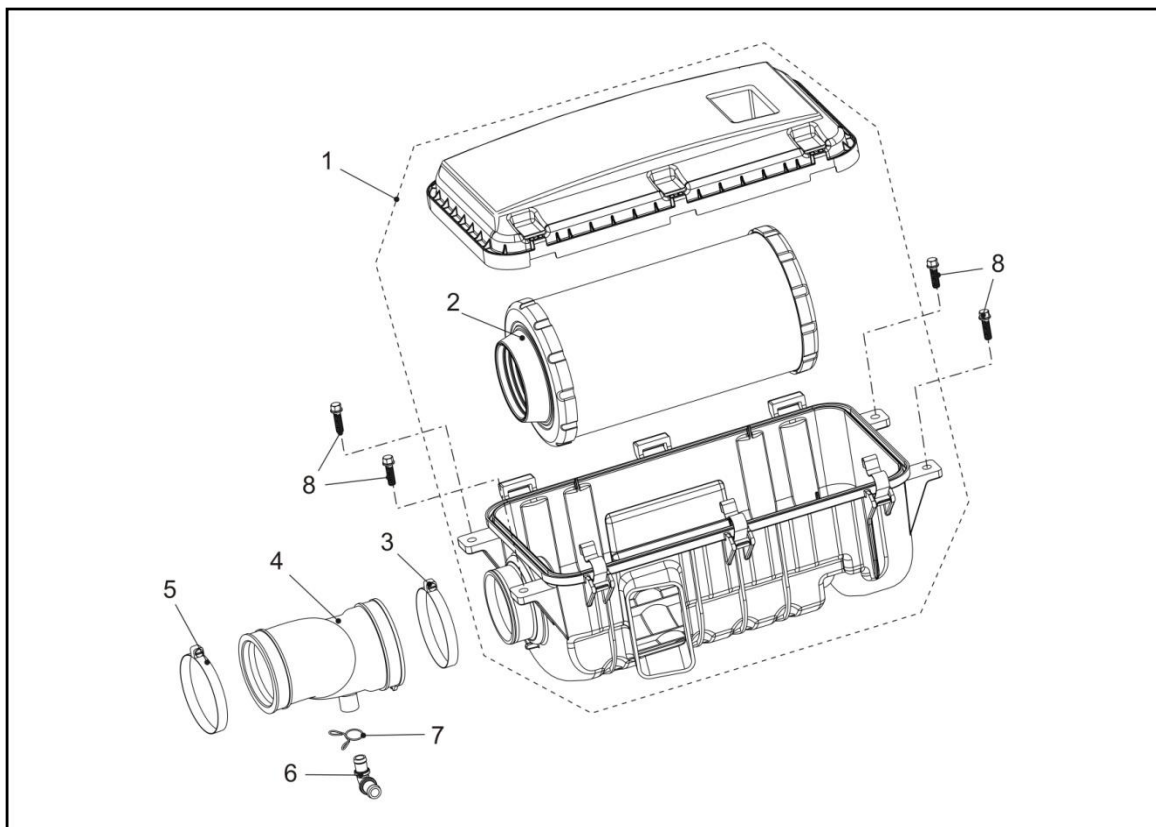


Ref. No.	Part No.	Description	Qty.
1	38689	Radiator	1
2	27694	Thermostat Switch Assy	1
3	71809	Blower Assy	1
4	11436	Bolt M6x25	2
5	11616	Nut M6	4
6	70344	Clamp 20/32	6
7	38690	Hose, Radiator	1
8	22907a	Safety Valve	1
9	70347	Hose, Feed	1
10	38691	Hose, Return	1
11	70340	Tank Recovery	1
12	70338	Cover, Tank Recovery	1
13	70339	Washer, Tank Recovery	1
14	70342	Pipe, Tank Recovery	1
15	70341	Pipe, Safety Valve	1
16	22923	Clip 3	1
17	11092	Bolt M6x16	2

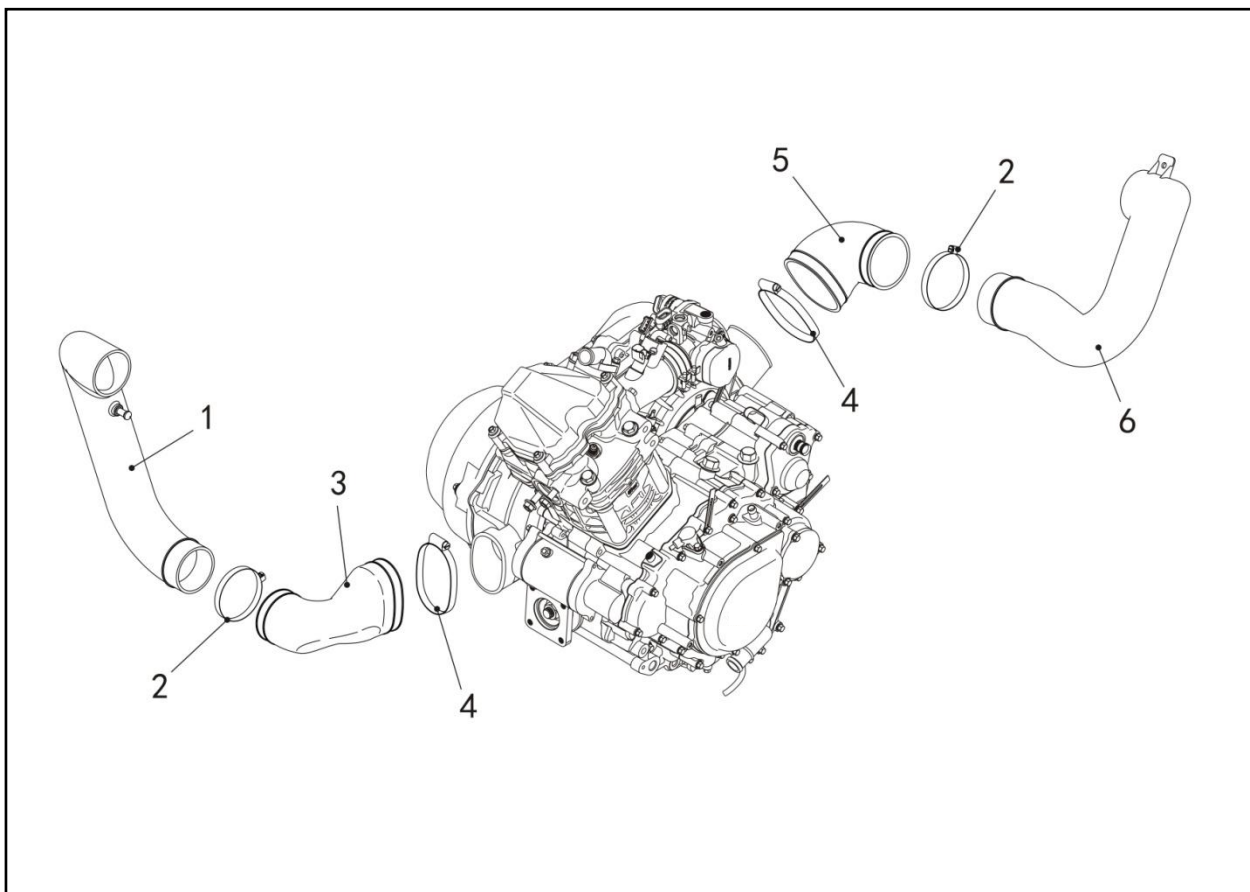
E22-Radiator (New Model)



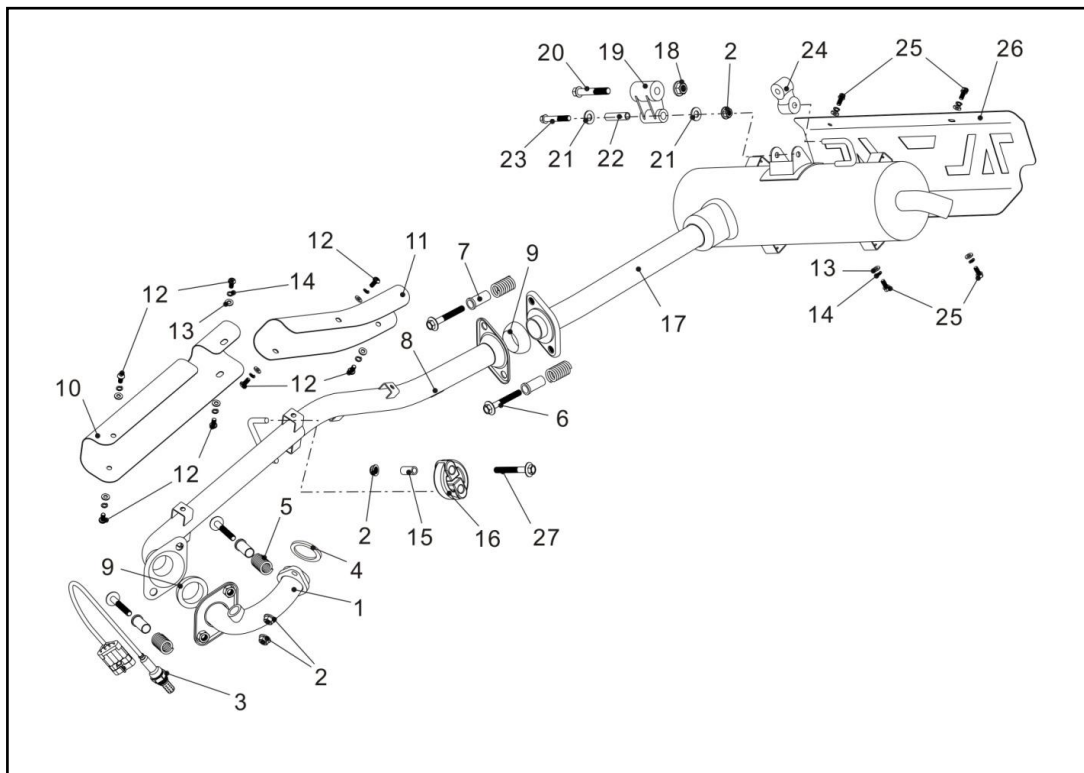
Ref. No.	Part No.	Description	Qty.
1	38754	Radiator Assy	1
2	71932	Thermostat Switch Assy	1
3	38755	Blower Assy	1
4	11436	Bolt M6x25	2
5	38756	Radiator	1
6	36528	Clamp 32/50	6
7	38690	Hose, Radiator	1
8	22907a	Safety Valve	1
9	38758	Hose, Feed	1
10	38691	Hose, Return	1
11	70340	Tank Recovery	1
12	70338	Cover, Tank Recovery	1
13	70339	Washer, Tank Recovery	1
14	70342	Pipe, Tank Recovery	1
15	36532	Pipe, Safety Valve	1
16	22924	Clip	1
17	11092	Bolt M6x16	2
18	43521	Clip	2
19	38759	Netting	1



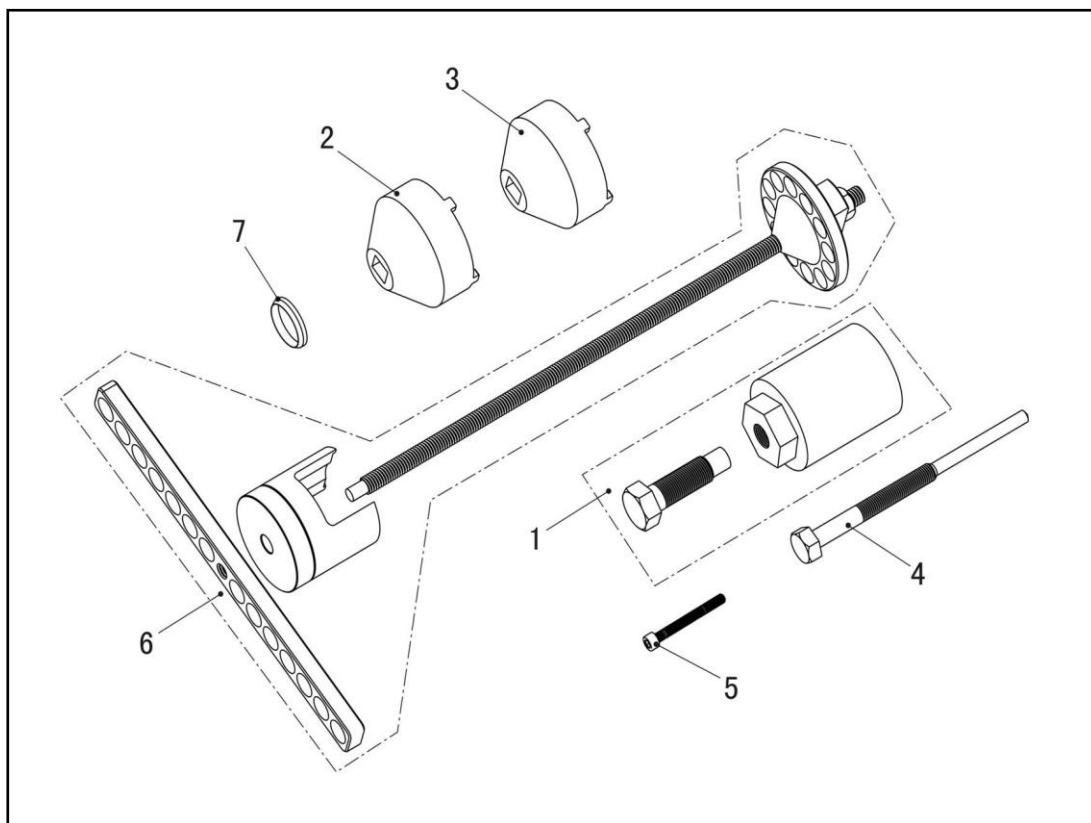
Ref. No.	Part No.	Description	Qty.
1	38692	Air Cleaner Assy	1
2	38693	Element Comp Air Cleaner	1
3	35670	Clip 2	1
4	38694	Feed Hose	1
5	35747	Clip 1	1
6	38695	Joint, Breather Hose	1
7	38696	Clip $\varphi 14$	1
8	73054	Bolt	4



Ref. No.	Part No.	Description	Qty.
1	38697	Air Shroud 1, CVT	1
2	35747	Clip 1	2
3	38698	Rubber Joint Air Shroud 1, CVT	1
4	35670	Clamp 80	2
5	38699	Rubber Joint Air Shroud 2, CVT	1
6	38700	Air Shroud 2, CVT	1

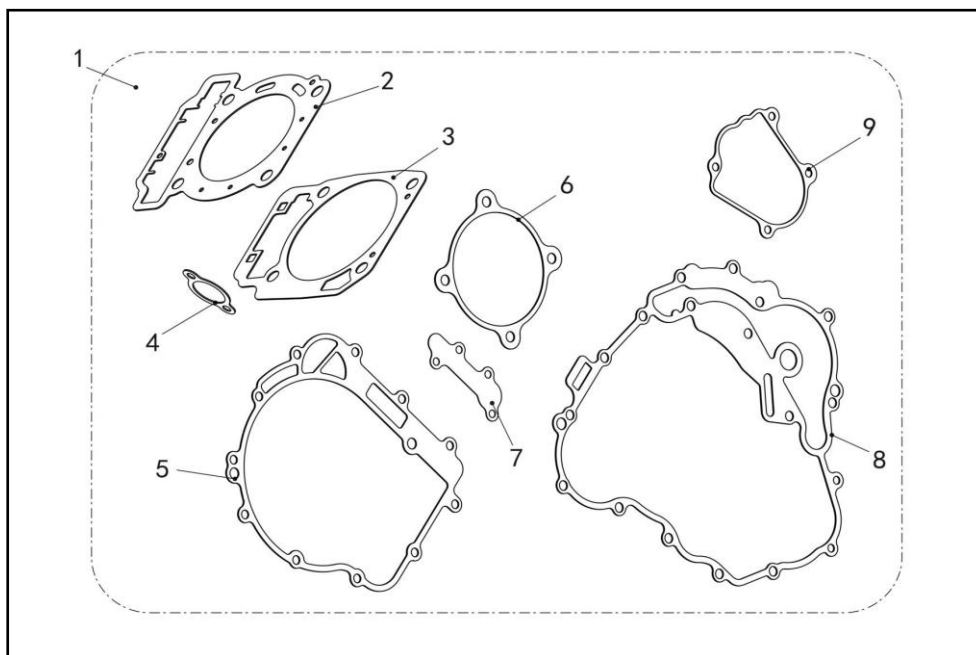


Ref. No.	Part No.	Description	Qty.
1	38701	Exhaust Pipe 1	1
2	10794	Nut M8	2
3	70826	Sensor	1
4	38013	Gasket, Exhaust Pipe	1
5	35935	Spring (New Model)	4
6	35934	Bolt M10×60	4
7	38268	Spacer 13×40(New Model)	4
8	38702	Exhaust Pipe 1	1
9	35370	Joint	2
10	38703	Safety Guard 1	1
11	38704	Safety Guard 2	1
12	10140W	Bolt M6x12	7
13	11534	Washer 6	11
14	11534	Washer 6	11
15	73839	Spacer	1
16	73838	Soft Rubber Connection 1	1
17	38705	Muffler	1
18	11619	Nut M10X1.25	1
19	48041	Connection Block	1
20	10154	Bolt M10×1.25×70	1
21	48043	Wire Washer	2
22	48042	Spacer 11.7×46	1
23	11261	Bolt M8×68	1
24	48040	Soft Rubber Connection	1
25	10183W	Bolt M6×16	4
26	38706	Safety Guard 3	1
27	11101	Bolt M8×45	1



Ref. No.	Part No.	Description	Qty.
1	80129	Rotor Assy Puller	1
2	80130	Bearing Retainer, Front Output Shaft, Nut Wrench	1
3	80131	Bearing Limit Nut, Nut Wrench	1
4	38144	Driving Pulley Puller	1
5	38177	CVT Belt Bando Puller (Bolt M6x55)	1
6	72014	Driven Pulley Spring Compressor	1
7	72015	The Tool for One Way Clutch of Driving Wheel	1

E27-Fragile Gasket Assy



Ref. No.	Part No.	Description	Qty.
1	38192e	Gasket, Assy.	2
2	38023	Gasket, Cylinder Head	1
3	38043	Paper Washer Cylinder Body	1
4	35158	Gasket, Tensioner	1
5	38076	Paper Gasket, CVT Case 1	1
6	38078	Paper Gasket, CVT Case 2	1
7	38058	Paper Washer	1
8	38089	Gasket, Left Crankcase Cover	1
9	35241	Gasket, Sector Gear Housing	1

WARRANTY INFORMATION:

Please refer to our website for detailed warranty conditions and coverage.
For the most up-to-date and comprehensive warranty information, visit www.tmgindustrial.com