

275cc ATV Camo/Orange



⚠ 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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Note:

A storage area/toolbox has been provided under the seat of the ATV for storage of this manual, and addendums.

Please keep this manual and addendums in the storage area/toolbox so that it can be found easily and referenced when needed.

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 and 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, or 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 or 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. 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.
6. Never consume alcohol or drugs before or while operating this ATV.
7. Never operate at excessive speeds. Always travel at a speed which is proper for the terrain, visibility and operating conditions, and your experience.

8. Never attempt wheelies, jumps or other stunts.
9. 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.
10. Always keep both hands on the handlebars and both feet on the footrests of the ATV during operation.
11. Always go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the ATV.
12. Never operate on excessively rough, slippery or loose terrain.
13. 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.
14. Always have the ATV checked by an authorized dealer if it has been involved in an accident.
15. Never operate ATV on hills too steep for the ATV or for your abilities. Practice on smaller hills before attempting larger hills.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. Always use the size and type tires specified in this manual. Always maintain proper tire pressure as described in this manual.

26. Never modify an ATV through improper installation or use of accessories.
27. 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

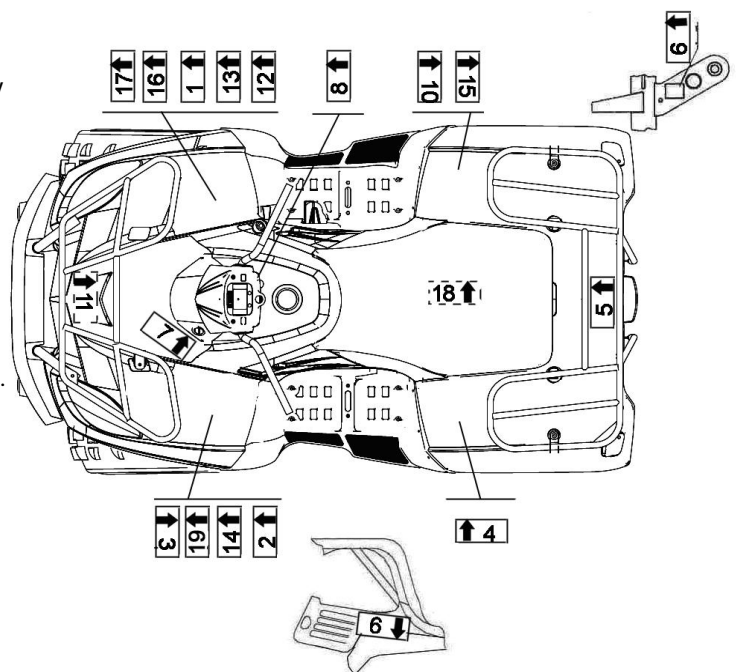
Indicates a potential hazard which could result in severe injury or death.

CAUTION

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

NOTICE

Indicates a situation that can result in damage to the machine. The word "NOTE" in this manual will alert you to key information or instructions.



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.

⚠ WARNING

UNDER 16

Operating this ATV if you are under the age of 16 increases your chance of severe injury or death .

NEVER operate this ATV if you are under age 16.

T02001

⚠ 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 : 5psi (34.5 kPa)
Rear : 5psi (34.5 kPa)
- Maximum weight capacity : 257 lbs.(110kg)

T02005

⚠ WARNING

● **DO NOT TOW FROM BACK OR BUMPER.** Vehicle damage or tip over may result cause severe injury or death. Tow only from tow hooks or hitch. ● Max.combined Front Rack and container Load 22lbs/10kg.

T02151

⚠ WARNING

● **DO NOT TOW FROM BACK OR BUMPER.** Vehicle damage or tip over may result cause severe injury or death. Tow only from tow hooks or hitch. ● Max.Rear Rack Load 44.5lbs/20kg.

T02152

⚠ 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

Hot Surfaces

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

T02012

CAUTION

Do not plug in any heat-generating accessory such as an automobile cigarette lighter because it can damage the socket.

T02010

⚠ WARNING

Improper ATV use can result in SEVERE INJURY or DEATH



ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR



NEVER USE ON PUBLIC ROADS



NEVER CARRY PASSENGERS



NEVER USE WITH DRUGS OR ALCOHOL

● **NEVER** operate:

- without proper 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-passengers affect balance and steering and increase risk of losing control

ALWAYS:

- use proper riding techniques to avoid vehicle overturns on hills and rough terrain and in turns
- avoid paved surfaces - pavement may seriously affect handling and control

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

T02149

CAUTION

- Do not switch on 4WD if the rear wheels are spinning. This cause severe machine damage.
- When switch 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 engaged.

T02011

⚠ 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

⚠ 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

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



NEVER ride as a passenger

Passengers can cause a loss of control, resulting in **SEVERE INJURY or DEATH.**

T02027

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

⚠ WARNING

Never activate the override button while throttle is open as loss of control may result, causing severe personal injury or death.

T02018

⚠ NOTE

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

T02021

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

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

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

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

Getting on and off the ATV

Get on

Get on the ATV from the left or right using the footrests/steps.

Leave

Check that the surroundings are in safe condition and then slowly park the ATV.

Stop the engine. (Key off)

Push the parking lever to the ON position to lock the rear wheels.

Leave the ATV through left or right steps.



WARNING

Danger Potential

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 a certified training course. They should then regularly practice the techniques 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.



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

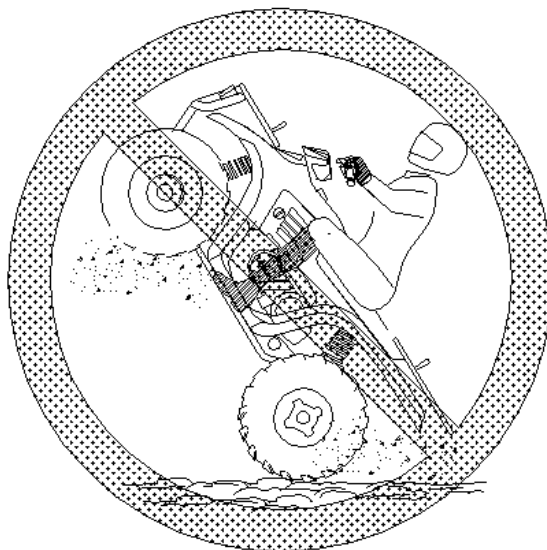
Operating this ATV at excessive speeds.

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, 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

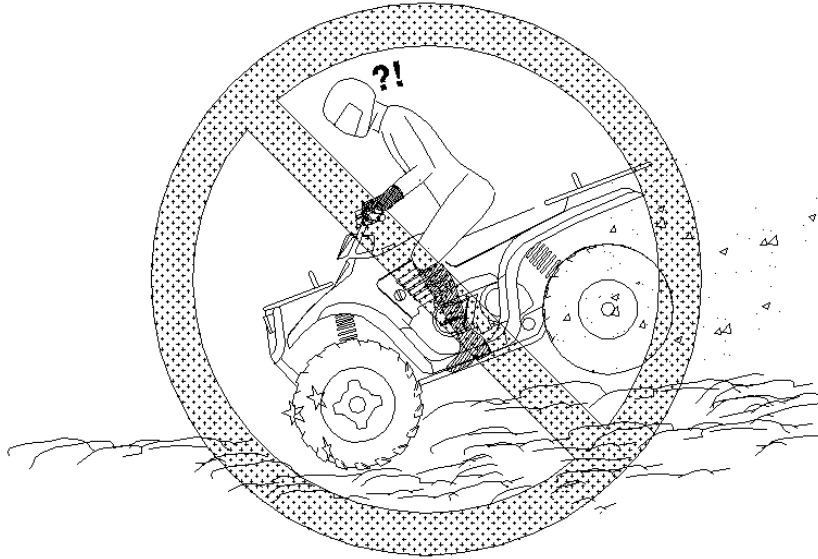
Removing hands from handlebars or feet from footrests during operation.

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.



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.



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 a grade steeper than 15%.



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 when turning on any hill.

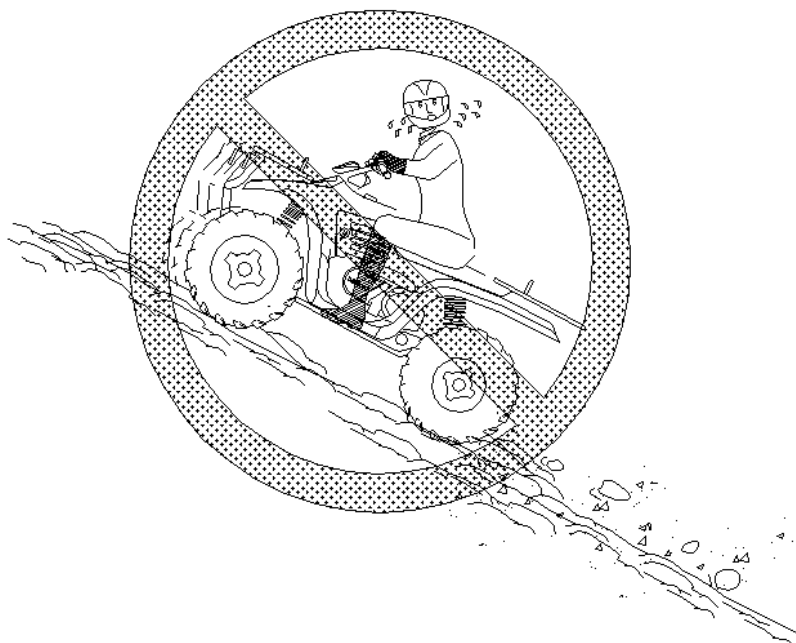
Avoid crossing the side of a steep hill if possible.

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 which exceeds the recommended maximum depth in this manual.

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.

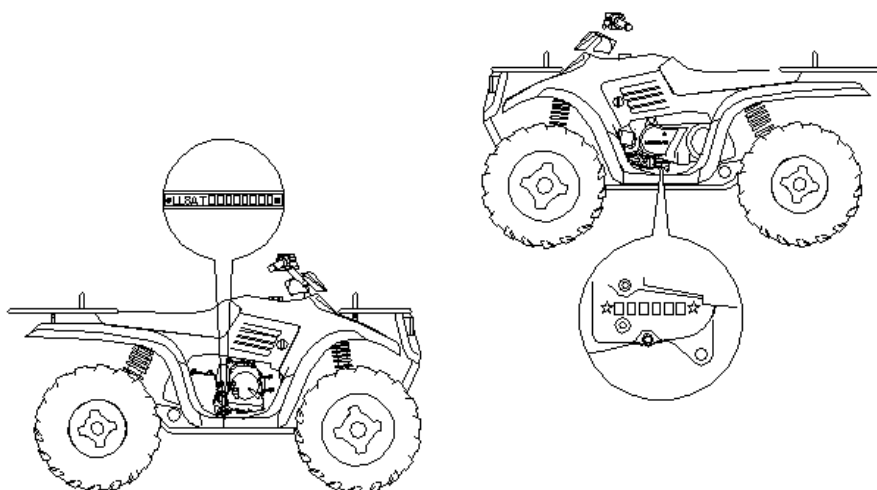
 WARNING

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.

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 it in a safe place. Your key can be duplicated only by obtaining a key blank and having it cut to match your original 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

Electrical Switches



1

2

3

1. Light Switch: Turn on the headlight and rear position lights.



High beam indicator



dipped headlight indicator



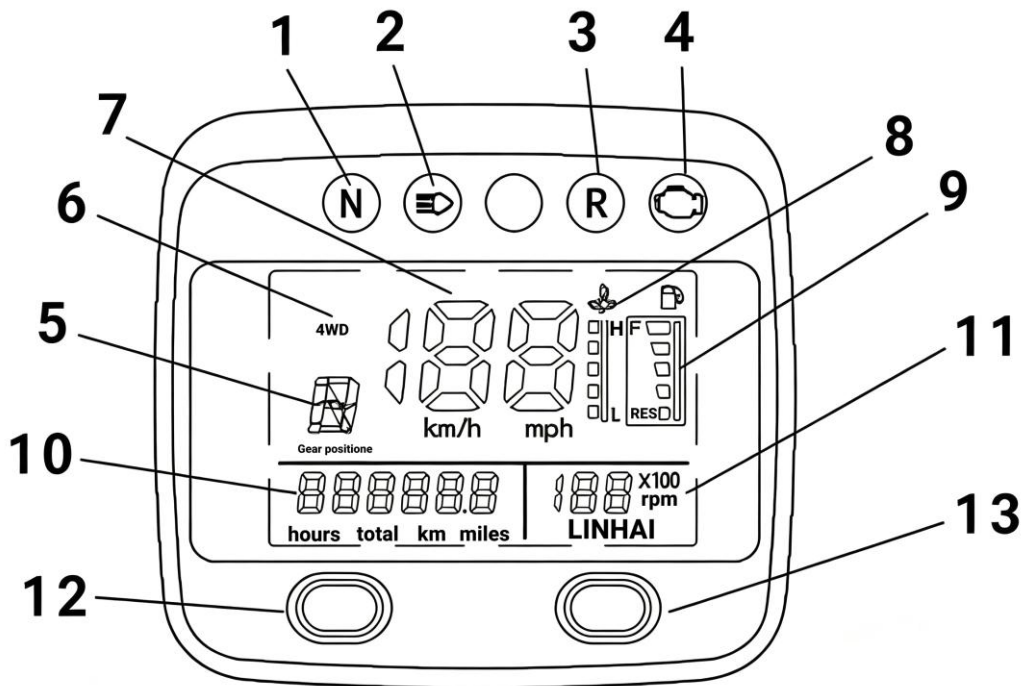
4



light off indicator

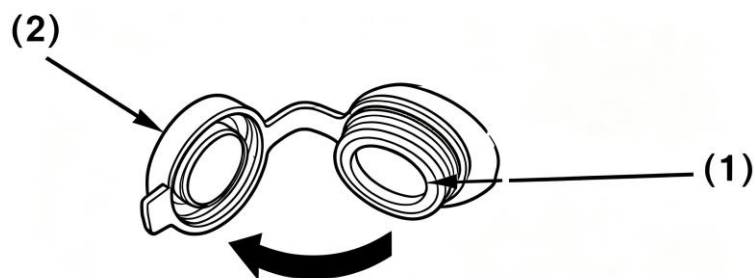
2. Engine Stop Switch-to stop the engine in critical condition
3. Override Switch--Some versions of this vehicle are equipped with a reverse speed limiter system. To obtain additional power while backing up, depress the override button.
4. Main Switch -This key switch must be turned clockwise to the "on" position to start the engine.

LCD Meter



1. Neutral indicator light	9. Fuel gauge Indicator
2. High beam indicator light	10. Working hours/ODO
3. Reverse indicator light	11. Engine rpm meter
4. EFI	12. Hour/distance selector
5. Gear position	13. Km/mile selector
6. 4WD indicator	
7. Speed meter	
8. Coolant temperature meter	

Accessory Socket



(1) accessory socket (2) cap

The accessory socket (1) is attached to the left side of the front cover. You can use the accessory socket to power a trouble light, spotlight, CB radio, or cell phone etc.

 CAUTION

Do not plug in any heat-generating accessory such as an automobile cigarette lighter because it damages the socket.

To use the accessory socket, turn the ignition switch ON (1) to start the engine. Then turn the headlights OFF, and open the accessory socket cap (2).

It cannot be used for a long time when loading 70–100 W. If the accessory socket loads above 70 W, please accelerate the engine.

Be sure the engine is on and the headlights are turned off before using the accessory socket, otherwise you may drain the battery.

The rated capacity of the accessory socket is DC 12V, 120 Watts (10A) or less. If you exceed this limit, you may blow a fuse.

When you are done using an accessory, unplug it, and cover the socket with the cap.

Be careful not to flood this accessory socket when washing your ATV.

Throttle

 WARNING

Do not start or operate an ATV with sticking or improperly operation throttle controls. A stuck or improperly operating throttle could cause an accident resulting in severe injury or death.

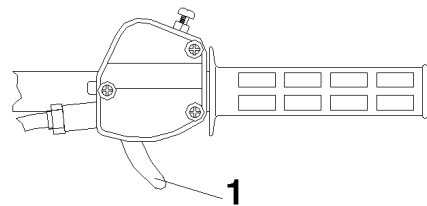
Always contact your dealer for service repairs whenever throttle problems arise.

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 ATV 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. The fluid should be kept between the maximum and minimum 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.

Front and Rear Brakes

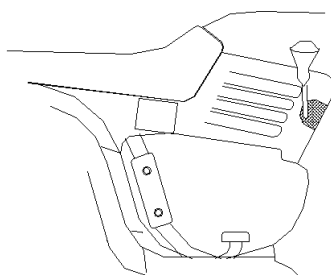
The front and rear brakes are located on the inside of the right floor board and are operated by the right foot. The front and rear brakes are hydraulically activated disc type brakes which are activated by one pedal only.

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 pedal 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.



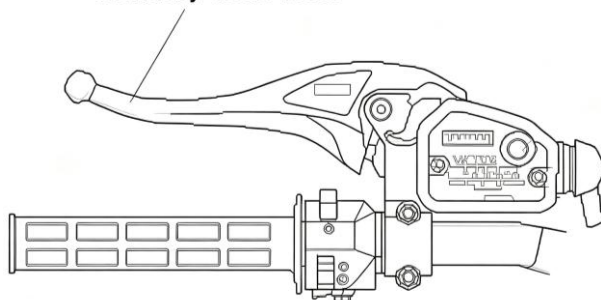
Auxiliary Brake



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.

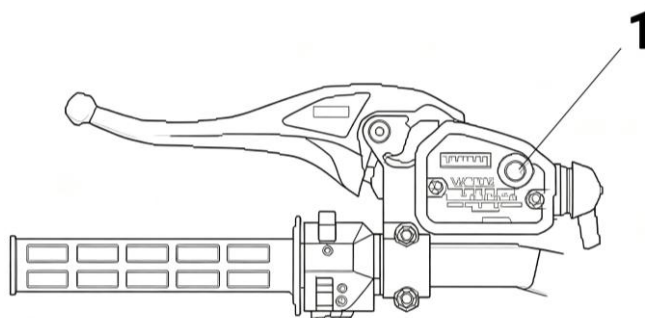
Auxiliary brake lever



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.

Brake Fluid Level

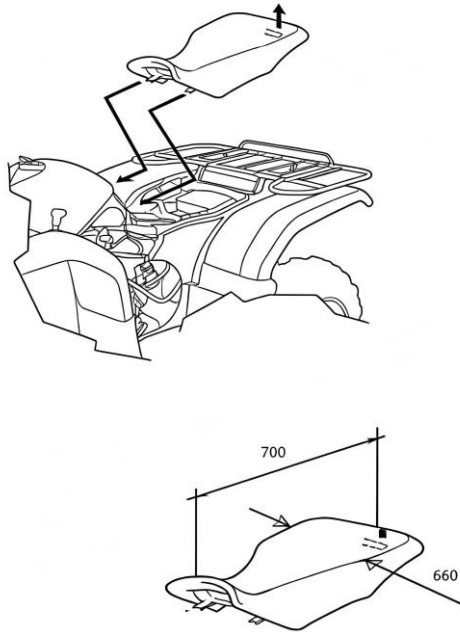


Top Window

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 only DOT 3 brake fluid.

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 has 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.

L
H
N
R



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

Danger Potential

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.

Engine Cooling System

Coolant Level

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

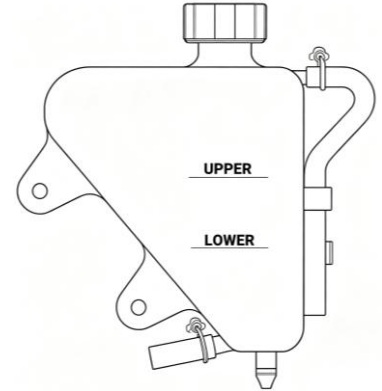
The engine coolant level is controlled or maintained by the recovery system.

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 on new machines is normal as the system is purging itself of trapped air. Observe coolant levels and maintain as recommended by adding coolant to the recovery bottle. We recommend the use of a 50/50 mixture of high-quality aluminum-compatible antifreeze coolant and distilled water.

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



Cooling System



WARNING

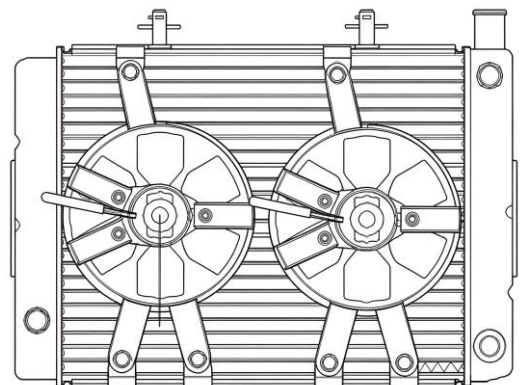
Never remove the pressure cap when the engine is warm or hot. Escaping steam can cause severe burns. The engine must be cool before removing the pressure cap.

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 ensure that the coolant maintains its ability to protect the engine, it is recommended that the system be completely drained 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 stopped, 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.

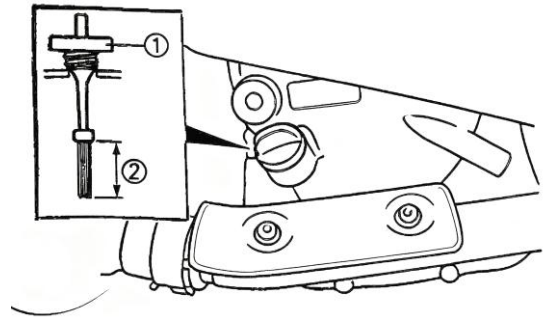
The engine exhaust from this product contains chemicals known, in certain quantities, to cause cancer, birth defects or other reproductive harm.

Oil System

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

To check the oil:

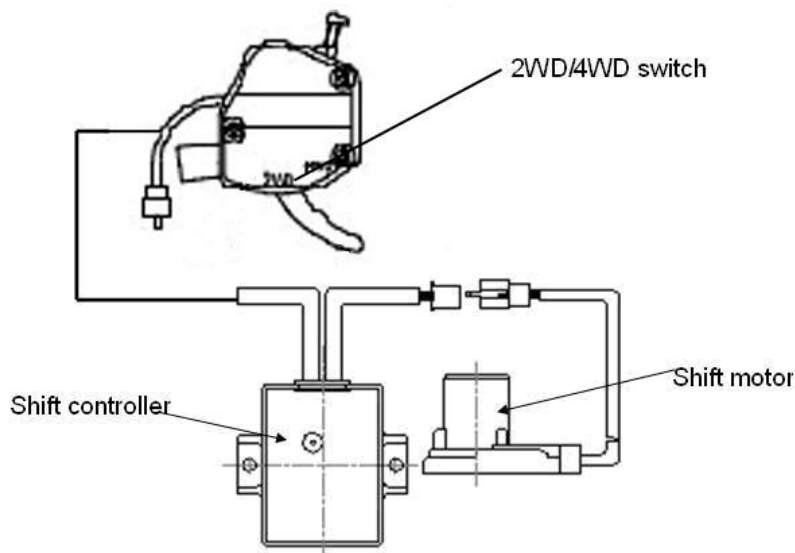
1. Set machine on a level surface.
2. Start the engine and let it idle for 20-30 seconds.
3. Stop the engine, remove dipstick (1) and wipe dry with a clean cloth.
4. Put dipstick into the oil tank (don't screw in it), remove it and read the oil level.
5. Remove dipstick and check to see that the oil 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 15W/40, SG OIL. Never substitute or mix oil brands. Serious engine damage and voiding of warranty can result.

4 Wheel Drive System (4WD)



CAUTION:

Always shift when the vehicle is stopped.

NOTE:

When shifting between 2WD/4WD, the mechanism in the front gearbox may still be engaged/disengaged; the mechanism will finally disengage/engage when riding on a hard surface or riding in reverse.

The buzzer will beep if the procedure listed above is not completed within 1 minute.

Re-shift to stop the buzzer.



CAUTION

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

WARNING:

Extremely heavy steering is a symptom of malfunction of the front gearcase (differential); loss of control could result, even in the 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 detect malfunctions in one-side CV joints by pulling the handlebar to one side or riding the ATV at low speed. Steering remains balanced from left to right in 2WD and 4WD positions.

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 set 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 open 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 the engine does not start, release the starter button and wait five seconds before trying again. Repeat this procedure until the engine starts.

9. Vehicle Break-In Period

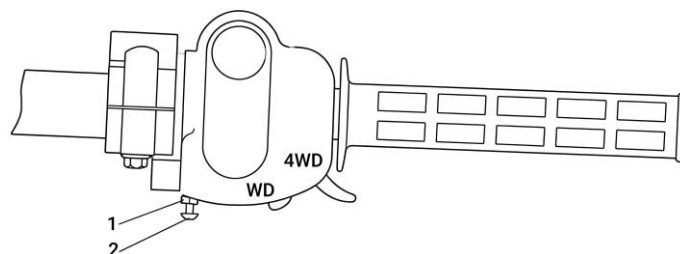
The break-in period for your new ATV is defined as the first 50 hours of operation. No single action on your part is as important as a proper break-in period. Careful treatment of new engine will result in more efficient performance and longer life for the engine. Perform the following procedures carefully.

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 period.

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 that will make you feel more comfortable and reduce the risk 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 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.

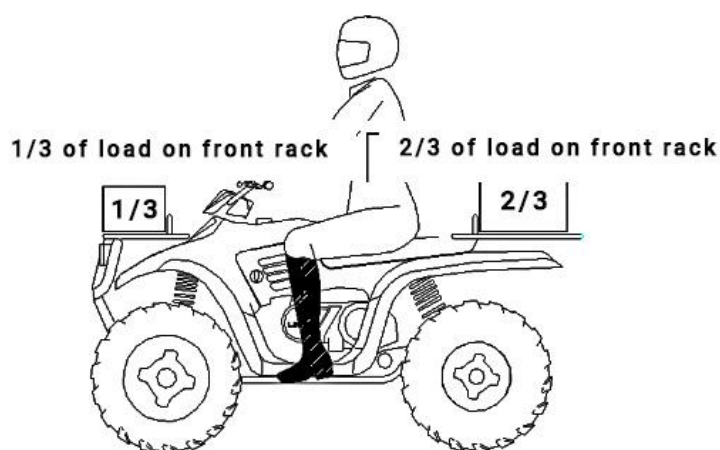
	Maximum trailer weight	Maximum vertical hitch
275cc	308 lbs (140 kg)	22 lbs (10kg)

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 trailer hitch.
- Use a chain with the strength rating equal to or greater than the gross weight of the towed machinery.
- Attach the chain to the trailer hitch or other specified anchor location. Allow only enough slack in the chain to permit turning.
- Ensure the trailer is properly attached to the trailer hitch before securing the safety chains.



12. Riding

WARNING

The engine rpm limiter will work at 7500rpm, this may cause excessive fuel to build up in the exhaust and be ignited by the catalyst in the muffler, This may cause the muffler to overheat and create a fire hazard.

Always reduce the throttle when the engine reaches top RPM to avoid the engine popping.

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.

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 wheel 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



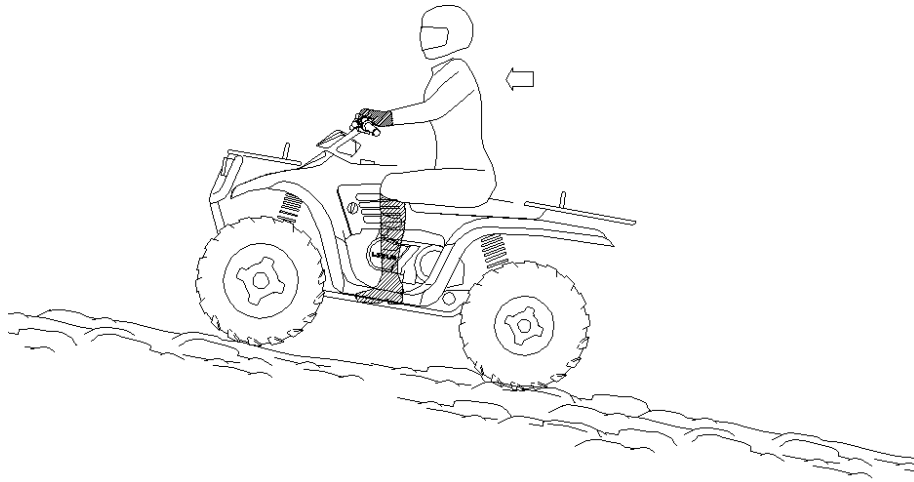
WARNING

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 grade).
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:

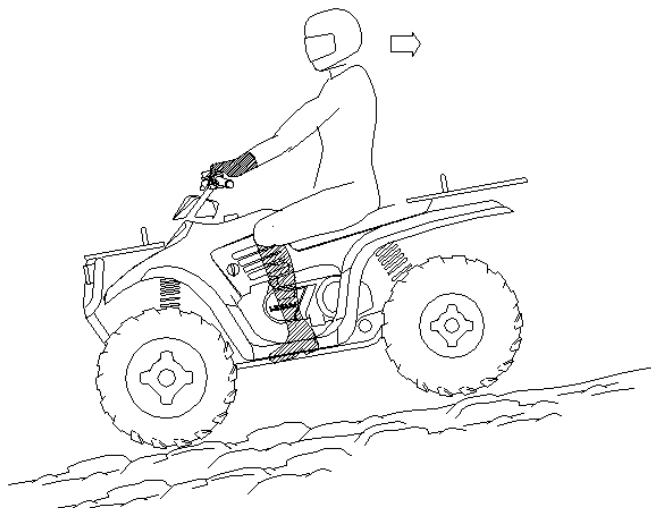
1. Drive directly downhill.
2. Transfer your weight to the rear of the vehicle.
3. Slow down.
4. Apply the brakes slightly to aid in slowing.

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

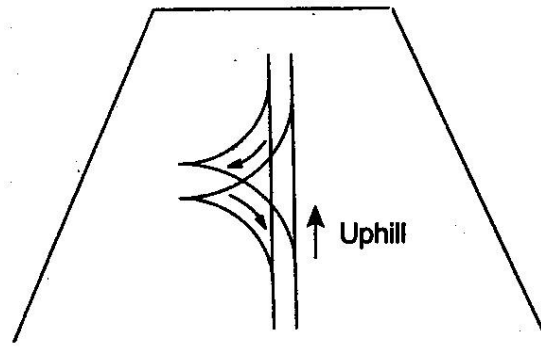


WARNING

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 the maximum recommended depth of 8 inches (200 mm). Before fording streams always:

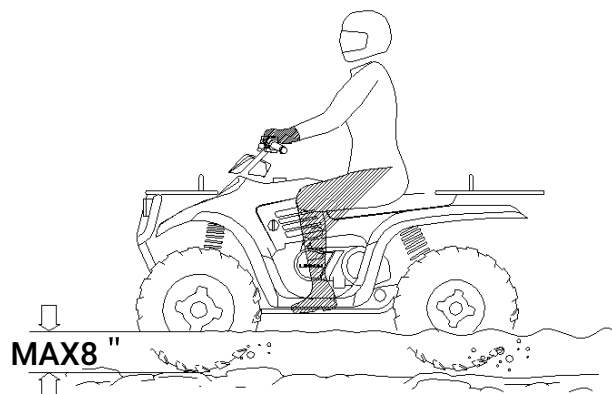
1. Determine water depths and current.
2. Choose a crossing where both banks have gradual inclines.
3. Proceed slowly, avoiding rocks and obstacles if possible.
4. After crossing, dry the brakes by applying light pressure to the lever until braking action is normal.



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 gearcase, and all grease fittings.



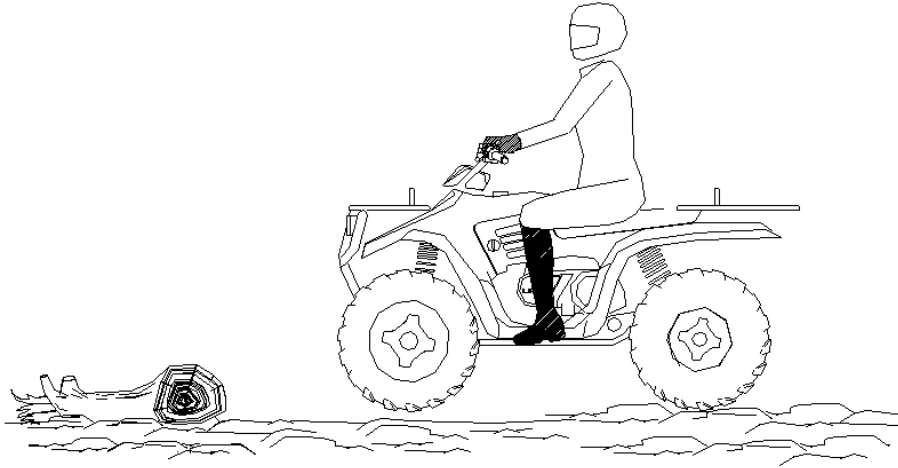
Trail Obstacles

Keep Alert!

Look ahead 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 result from vehicle coming 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

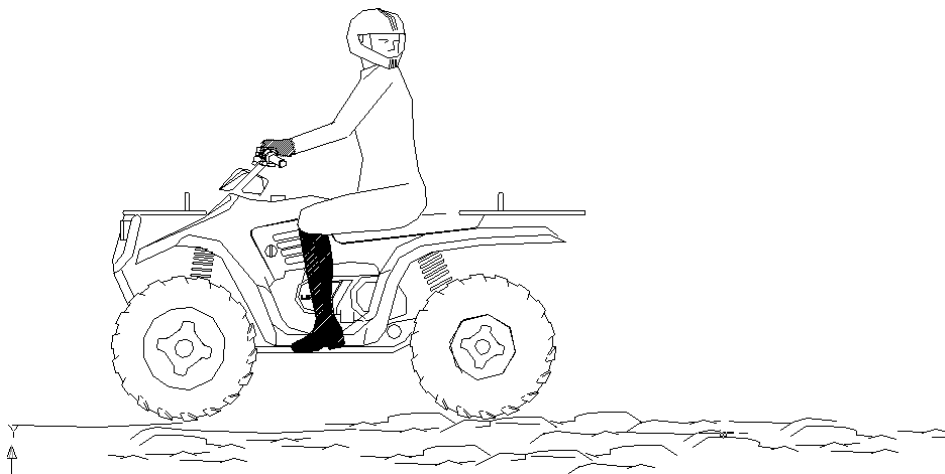
1. Avoid backing up on steep inclines.
2. Always back slowly.
3. When in reverse, apply the brakes lightly for stopping.
4. Avoid turning at sharp angles in reverse.
5. Never open the throttle suddenly while backing.

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.

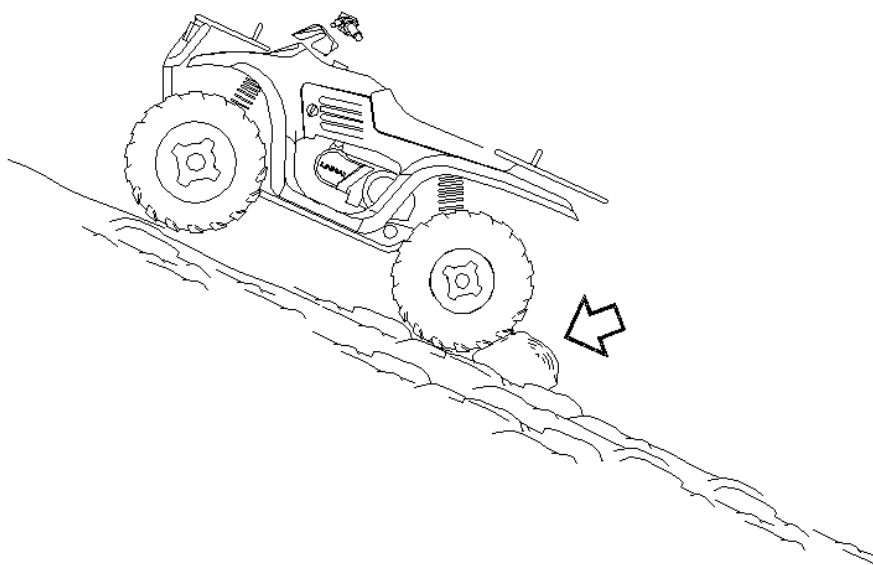
WARNING

Opening the throttle more than required may cause excessive fuel to build up in the exhaust, which may be ignited by the catalyst in the muffler. This may result in muffler overheating and create a fire hazard.

Never ride with engine backfiring.



Parking on an incline



Whenever the vehicle is parked

1. Turn the engine off.
2. Place the transmission in gear.
3. Set the parking brake.
4. Shut off fuel supply.
5. Avoid parking on an incline. If it is necessary to park on an incline, always block the rear wheels on the downhill side as shown above.
6. Do not leave the ATV on a hill depending on the parking brake without a wheel chock.

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 the 275cc ATV, the approximate gear ratio difference between high and low range is 1:2.05. 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: Seek medical attention immediately. Call poison control.

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.

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 an 18 Ah battery. This may not be sufficient to provide power for optional equipment. When installing optional equipment, please upgrade your battery as necessary. Consult your dealer to purchase the correct replacement battery.

Checking and Refueling



CAUTION

To Avoid Personal Injury:

- Do not smoke while refueling.
 - Be sure to stop the engine before refueling.
1. Turn the key switch to "ON", then check the fuel level via the fuel gauge.
 2. Fill fuel tank when fuel gauge shows 1/4 or less fuel in tank.

Important:

- Do not permit dirt or trash to get into the fuel system.
- Be careful not to let the fuel tank become empty, otherwise air will enter the fuel system, necessitating bleeding before next engine start.
- Be careful not to spill during refueling. If fuel should spill, wipe it off at once, or it may cause a fire.
- To prevent condensation (water) accumulation in the fuel tank, fill the tank before parking overnight.

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

Catalyst

There is a catalyst inside the muffler.

Spark Arrester

The spark arrester in the exhaust pipe must be periodically cleaned of accumulated carbon as follows:

1. Remove the arrestor screw 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. Clean the arrestor or replace it.



WARNING

The engine RPM limiter activates at 7500 rpm. This may cause excess fuel to accumulate inside the exhaust and be ignited by the catalyst in the muffler. This may lead to muffler overheating and create a fire hazard.

Always ease off the throttle when the engine reaches top RPM to avoid exhaust popping.

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.

Periodic and Anticipated Maintenance and Procedures

To keep the performance good, the vehicle should be checked and maintained at certain interval. The meanings of the capital letters in following table are: I: Inspection, including check, clean, lubricate, refuel, repair or replacing if necessary.

A: Adjusting

C: Cleaning

R: Replacing

T: Tightening

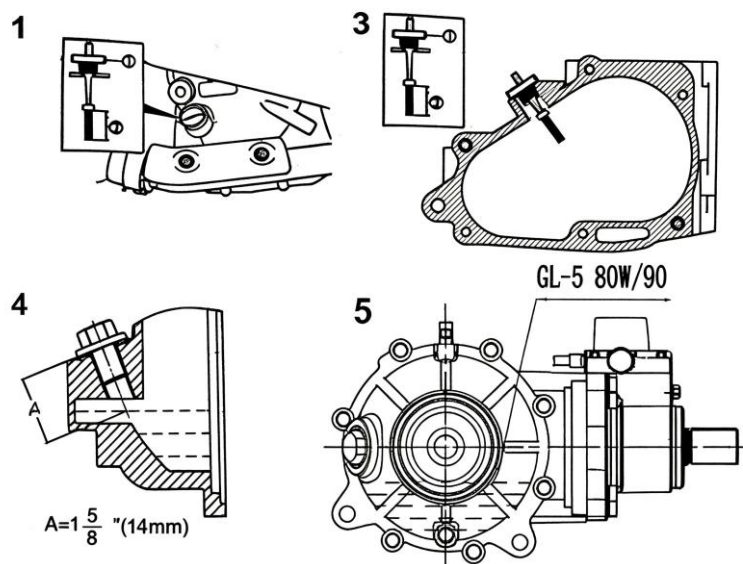
Maintenance period Items	Odometer (km)											
	300	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	Pre-ride Check
Engine Oil	R		R		R		R		R		R	I
Oil Filter	C				C				R			
Air filter	Clean filter every 4000 km. change it when necessary											
Valve gap				A					A			
Fuel Filter		R		R			R		R			
Brake System		I		I			I			I		I
Fasteners (Excluding Engine Bolt)	T				T				T			
*When the mileage is over the highest on the table, please perform according to the period set on the table												
*When driving in dusty conditions, replace oil and filters more frequently.												

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 years
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/ indicator lamp inspection	Daily	Daily	Check operation daily; apply dielectric grease to socket when replaced
Air Filter-Main Element	Weekly	Weekly	Inspect –Replace if necessary
Transmission Oil Level	20hrs	Monthly	Inspect monthly; change annually
Battery	20hrs	Monthly	Check/clean Terminals; check fluid level
Brake pad wear	10hrs	Monthly	Inspect periodically
Rear Gear case Oil	100hrs	Monthly	Check monthly and change annually
Front Gear case Oil (Only for 4WD)	100hrs	Monthly	Check monthly and change annually
Engine Cylinder Head and Cylinder Base Fasteners	25hrs	3 months	Inspect (re-torque required at first service only)
General Lubrication	50hrs	3 months	Lubricate all fittings, pivots, cables, etc.
Engine Oil-Level/Change	30hrs	3 months	Check Level Daily; Break in Service at 1 month. Change oil more often in cold weather use.
Engine breather hose	100hrs	6 months	Inspect
Throttle Cable	50hrs	6 months	Inspect –adjust, lubricate, replace if necessary; pre-ride inspection item
Coolant strength	100hrs	6 months	Inspect strength seasonally
Shift linkage	50hrs	6 months	Inspect, adjust
Drive belt	50hrs	6 months	Inspect, replace if necessary
Steering	50hrs	6 months	Inspect daily, lubricate
Rear Axle	50hrs	6 months	Inspect bearings, Lube
Front Suspension	50hrs	6 months	Inspect-lubricate, tighten fasteners
Rear Suspension	50hrs	6 months	Inspect, tighten fasteners
Spark Plug	100hrs	12 months	Inspect-replace if necessary

Item	Hours	When	Remarks
Ignition Timing	100hrs	12 months	Inspect and adjust as needed
Fuel System	100hrs	12 months	Check for leaks at tank cap, lines, fuel valve filter. Replace lines every one year
Fuel Filter	100hrs	12 months	Replace annually
Radiator (for 275cc)	100hrs	12 months	Inspect/clean external surface
Cooling System hoses (for 275cc)	50hrs	6 months	Inspect/replace if necessary
Spark arrestor	10hrs	monthly	Clean out-replace if necessary
Clutches (drive and driven)	25hrs	3 months	Inspect, clean
Engine mounts	25hrs	3 months	Inspect
Valve clearance	100hrs	12 months	Inspect/adjust
Shift selector box(H/L/N/R) (for 275cc)	200hrs	24 months	Change grease every two years
Brake fluid	200hrs	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

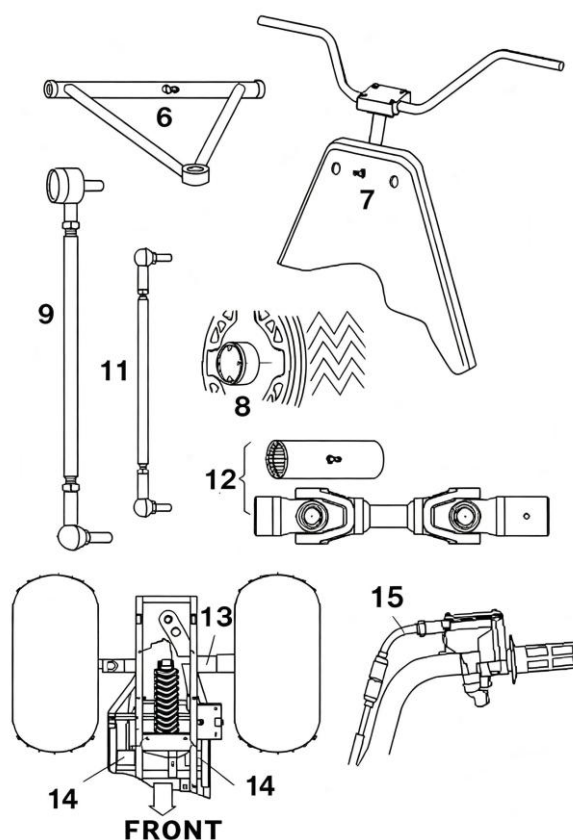
Lubrication Recommendations

Item	Lube Rec	Method	Frequency
1. Engine Oil	SAE 15W/40SG	Add to proper level on dipstick	Check level daily
2. Brake Fluid	DOT 3 Only	Maintain level Between fill lines. See (7CONTROL)	As required; change every two years or 200 hours
3. Transmission fluid	SAE 80W/90GL5	See "16.MAI-NTENANCE/Transmission Lubrication"	Change annually or at 100 hours
4. Rear Gear case oil	SAE 80W/90GL5	See "16.MAI-NTENANCE/Rear Gear-case Lubrication"	Change annually or at 100 hours
5. Front Gear case oil (only for 4WD)	SAE 80W/90GL5	See "16.MAI-NTENANCE/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 Wheel bearings	Grease	Inspect and replace bearings if necessary	Semi-annually
9. Tie rods	Grease	Locate fittings and Grease	Semi-annually
10. Shift Linkages	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



Lubrication Recommendations

13. Rear Axle Bearing	Grease	Locate fittings and grease	Every 3 months or 50 hours
14. Swing Arm Bearing	Grease	Locate fittings and grease	Monthly or 20 hours
15. Throttle Cable	Grease M	Grease, inspect and replace it if necessary	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.
4. Torque handlebar adjuster block bolts to 17Ft.Lbs(23N.m).

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.

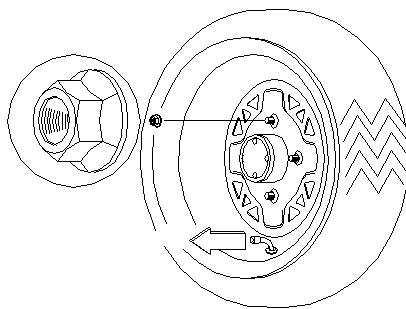
Wheel Nut Torque Specifications

Bolt Size	Specification	
Front M10X1.25	44Ft.Lbs	60N.m
Rear (STEEL WHEEL) M12X1.25	50Ft.Lbs	70N.m
Rear (ALUMINIUM WHEEL) M12X1.25	69Ft.Lbs	95N.m

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

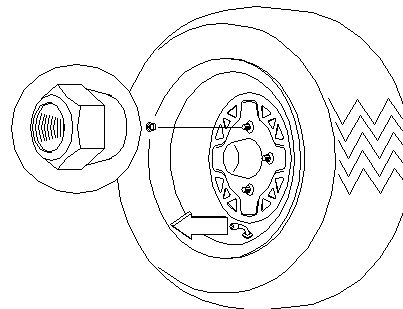
Front Wheel Hub Tightening

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



Front

Flange nuts: install with
Flat side against wheel

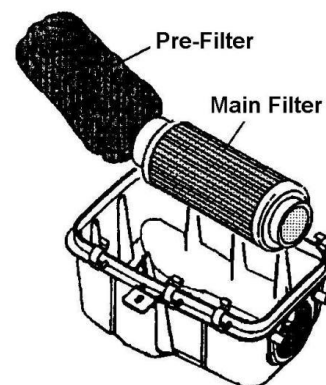
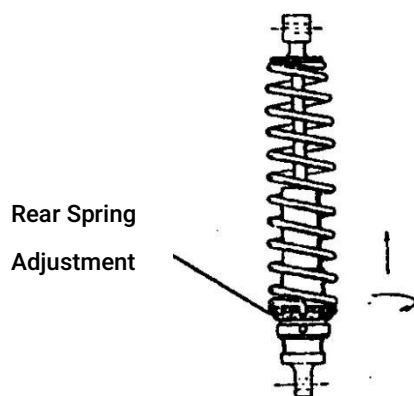


Rear

Tapered nuts: install with
tapered side against wheel

Rear Spring Adjustment

The rear shock absorber spring is adjusted by rotating the adjuster in the direction required to increase or decrease spring tension.



Air Filter Service

1. Remove seat.
2. Release clips and remove the cover.
3. Loosen clamp and remove Filter (for 275cc);
4. Remove fabric type prefilter from main filter. Wash pre-filter in soapy water and dry it.
5. Reinstall pre-filter over main filter. Replace main filter as required.
6. Reinstall filter into air box and tighten clamp. Do not over tighten clamp or filter damage may occur (for 275cc).

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

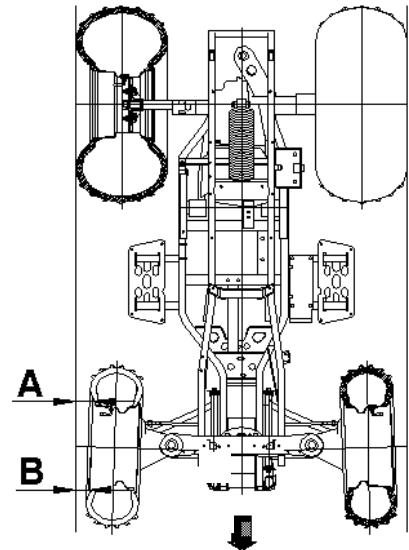
Do not attempt to adjust the tie rod for toe alignment. Severe injury or death can result from improper adjustment.

Contact your dealer. They have 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 serious injury.

The front brake is a hydraulic disc brake operated by depressing the foot pedal (also a brake lever on the handlebar for this ATV) 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 see "7. Control and part 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.

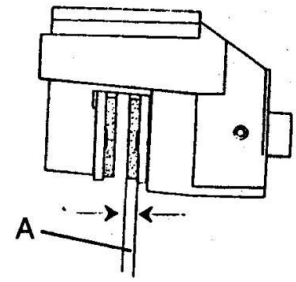
- Check friction pads for wear, damage, and looseness.
- Check security and surface condition of the disc.
- Pads should be changed when friction material is worn to 3/64" (1mm). (A)

Rear and Auxiliary Brake

Rear Brake

The rear brake is a hydraulic disc brake that shares the same pedal (as well as the brake lever on the handlebar) as the front brake. This brake system is self-adjusting and only requires periodic inspection of brake pad wear, with no additional maintenance needed

- 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 moving the brake lever toward the handlebar. The hydraulic brake system will not require adjustment.

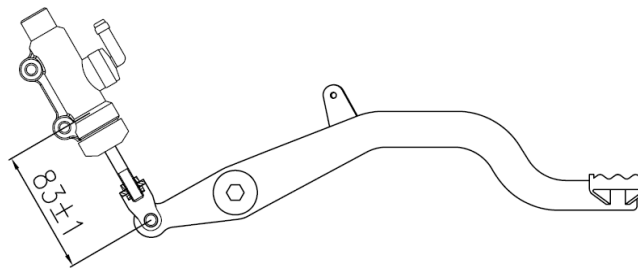
Checking

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 brake pedal

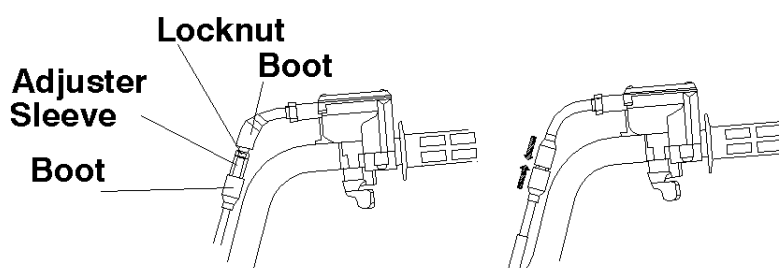
If the push rod joint is reinstalled, adjust the push rod length so that the distance between the centers of the master cylinder lower mounting bolt hole and joint pin hole is 83 ± 1 mm. After adjustment, tighten the joint nut.



Throttle Cable Free Play Adjustment

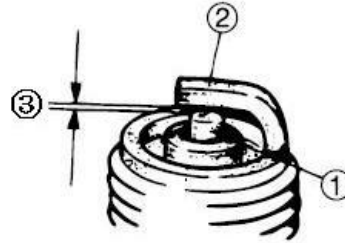
Throttle cable free play is adjusted at the handlebar.

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



③ Gap:0.6-0.7mm

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 17 ft.lbs (23 N.m) (for 275cc).

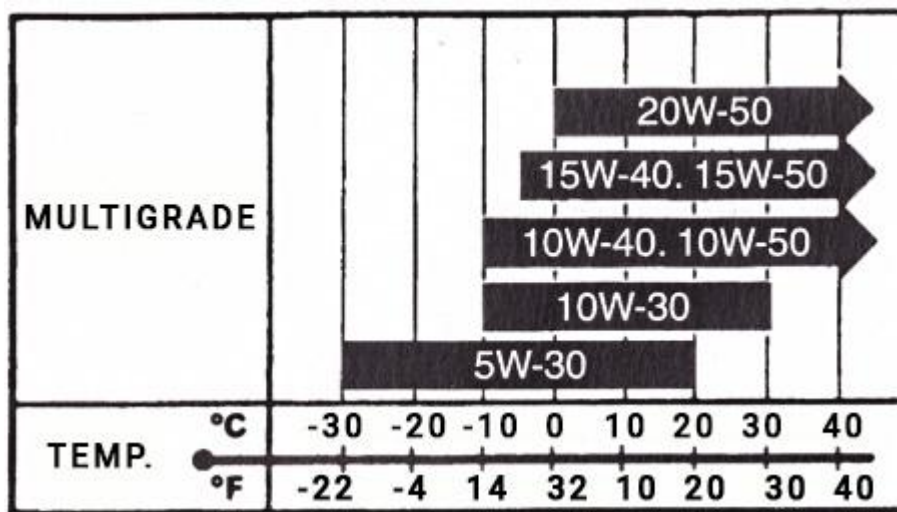
ENGINE OIL:

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).

Oil quality is a major contributor to your engine's performance and life. Always select good quality engine oil. Use API SG with JASO MA. Recommend the use of SAE 15W-40 engine oil. If SAE 15W-40 engine oil is not available or the weather is very cold, select an alternative according to the chart.

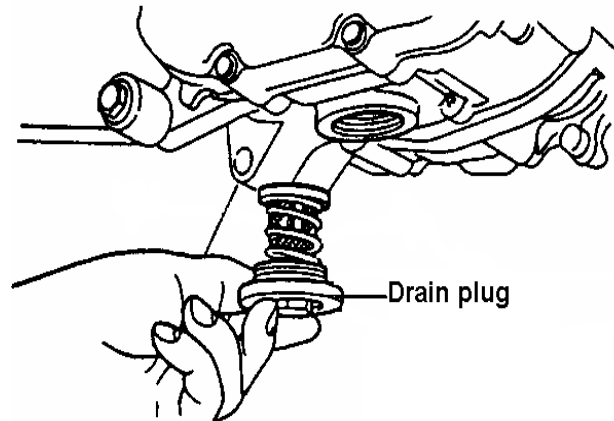


CAUTION

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;

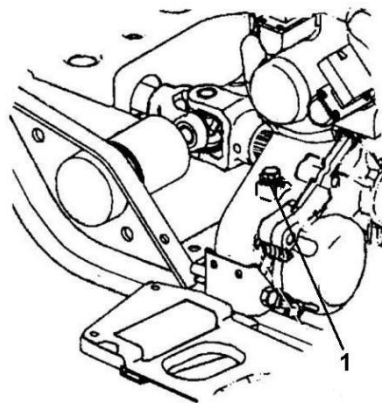
3. Clean area around drain plug;
4. Place a drain pan beneath engine crankcase and remove drain plug;
5. Allow oil to drain completely;
6. Replace sealing washer O-ring of drain plug;
7. Reinstall drain plug and torque to 14ft.lbs (19N.m).



Transmission Lubrication

The transmission fill plug is located on the right side of the machine.

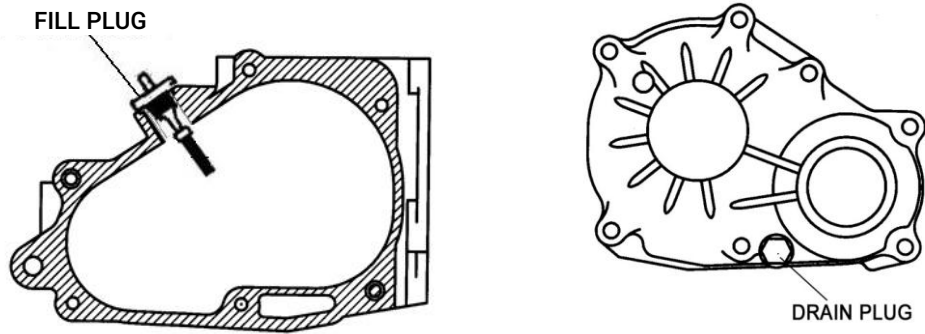
The transmission lubricant level should be checked monthly or 20 hours, whichever comes first. Transmission oil should be changed annually. With the ATV on a level surface, remove fill plug (1) and check the lubricant level. The correct transmission lubricant to use is SAE 80W/90 GL5 lubricant. And see "16. Maintenance; lubrication recommendations" for the correct fluid level.



Transmission Oil Changing Procedure

1. Remove the four screws on the footwall and gently pull outward for access.
2. Remove fill plug.
3. Remove the transmission drain plug located on the bottom left-hand side and drain the oil. Catch and discard used oil properly.
4. Clean and reinstall the drain plug torque to 14 ft. lbs. (20Nm)
5. Add the correct amount of SAE 80W/90GL5 Lubricant until oil reaches the bottom of the filler hole
6. Check for leaks.

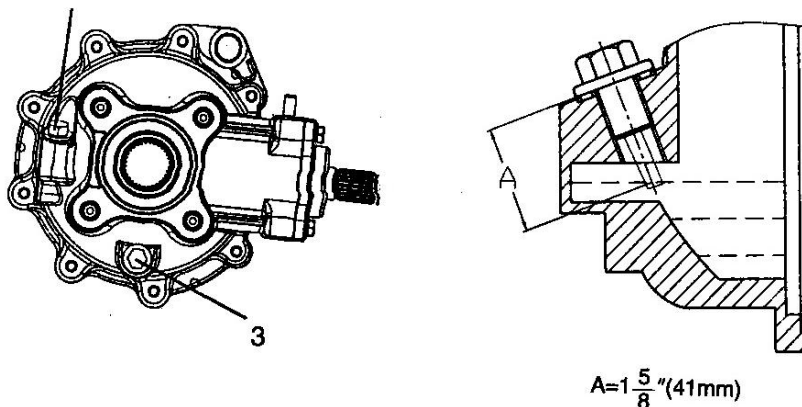
Reinstall footwall and screws removed in step 1.



Rear Gearcase Lubrication

Place the ATV on a level surface, remove the fill plug and visually inspect the lubricant level through the fill hole (1). The lubricant level should align with the center of the drip point (2), approximately 1-5/8" (41 mm) 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 80W/90GL5 Weight Gear Lube.



Oil Changing Procedure

1. Remove drain plug (3). 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 fill plug and add 10 ounces (300ml) of SAE 80W/90 GL5. Weight Gear Lubricant and inspect oil level. Oil level should be kept even with the center of the drip point (approximately 1 5/8" / 41 mm below the top of the fill hole).
4. Reinstall the fill plug. Tighten securely (14 ft. lbs/20N.m).
5. Check for leaks.

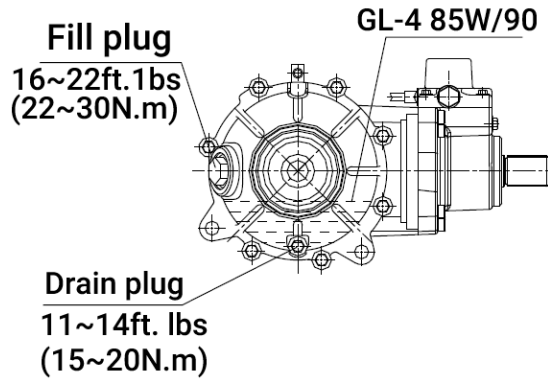
Front Gearcase Lubrication

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-5 80W/90Weight Gear Lube.

Oil Changing Procedure

1. Remove drain plug. Catch and discard used oil properly.
2. Clean and reinstall the drain plug with a new sealing washer and tighten securely (11~14 ft. lbs/15~20N.m).
3. Remove fill plug and add 290ml of SAE GL-5 80W/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 (16~22 ft. lbs/22~30N.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.

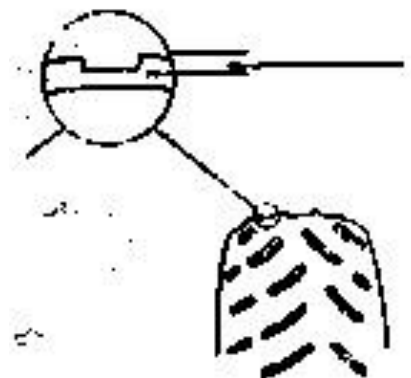
Wheel Removal Procedure

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
34.5kPa/5PSI	34.5kPa/5PSI

Wheel Installation

1. With the transmission in gear and the parking brake locked, place the wheel in the correct position on the wheel hub. Be sure the valve stem is toward the outside and rotation arrows on the tire point toward forward rotation.
2. Attach the wheel nuts and finger tighten them.
3. Lower the vehicle to the ground.
4. Securely tighten the wheel nuts according to the chart found in "16. MAINTENANCE / Wheel Nut Torque". Tire Inspection When replacing a tire always use original equipment size and type.



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 beams.

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.

Lamp Replacement

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.
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

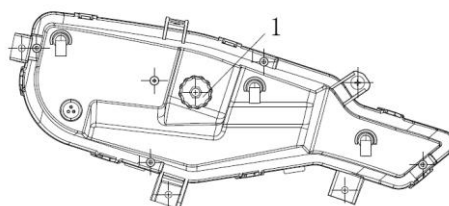
1. Remove mounting panel.
2. Unplug light from harness, depress locking tabs (A) and remove from pod.
3. Install new light and reassemble panel.

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' (3 m) 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. NOTE: Riding weight must be included on the seat.
5. 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 car wash system, as it can damage wheel bearings, transmission seals, body panels, brakes and warning labels. Water may also seep into the engine or exhaust system.

The best and safest way to clean your ATV is to use a garden hose and a bucket of mild soap mixed with water. Use a dedicated wash mitt; clean the upper body first and the lower components last. Rinse often with clean water and wipe dry with a chamois cloth to avoid water spots.

NOTE: If any warning labels become damaged, contact your dealer to obtain replacements.

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 unit securely using suitable straps or rope.
5. Always place the transmission in gear and lock the parking brake.

17. Troubleshooting

Improper Operation Causing Driven Clutch (CVT) Belt 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. 1/8throttle 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 speed.	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 Drain

Possible Cause	Solutions
Starting a faulty engine for a long time	See "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 off the main switch (key) off at once



WARNING

This ATV is equipped with EFI system, If the battery is under 12 Volt, 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.

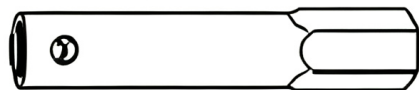
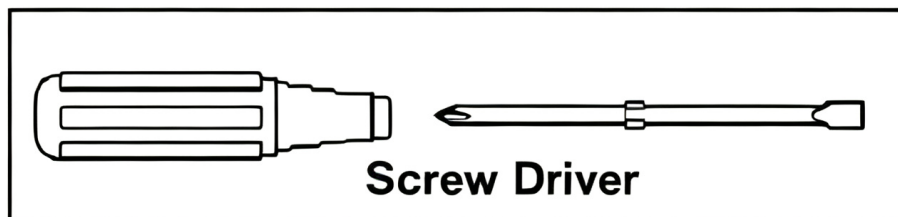
Problem/Issue	Parts Inspection		Possible Causes
Starting Failure / Hard Starting	Fuel System	Fuel tank	• Empty • Clogged fuel tank breather pipe • Deteriorated fuel or fuel containing water or foreign material • fuel filter clogging • the fuel pressure not correct
		Throttle body	• The connect not good
		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
		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

Problem/Issue	Parts Inspection		Possible Causes
		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 contacted valve and valve seat
	EFI		• the fuel pressure not correct • fuel injector clogging • fuel filter clogging
Poor Medium and High Speed 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
	Compression system		• Worn cylinder • Worn or seized piston ring • Cylinder head gasket broken • Cylinder gasket broken • Carbon deposit buildup • Improper contacted valve and valve seat • Improper contacted valve and valve seat • Faulty valve timing
	Fuel system		• Clogged fuel tank breather hole • Clogged air cleaner element • Improperly adjusted fuel level • Fuel filter clogging • the fuel pressure not correct • fuel filter clogging
	Clutch		• Refer to "CLUTCH SLIPPING / DRAGGING" section
	Engine oil		• Improper oil level (low or over oil level)

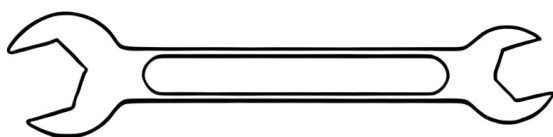
Problem/Issue	Parts Inspection	Possible Causes
	Ignition system	- Faulty spark plug - Faulty high tension cord - Faulty ignitor unit - Faulty pickup coil - Faulty ignition coil
	Valve system	Improperly contacted valve and valve seat
Over-Cooling	Cooling system	- Faulty thermostat - Faulty thermo switch
Overheating	Ignition system	- Improperly spark plug gap - Improper spark plug heat range - Faulty igniter unit
	Fuel system	- Improper fuel level adjustment - Clogged air cleaner element
	Compression system	- Heavy carbon deposit build-up - Improperly adjusted valve timing - Improperly contacted valve and valve seat
	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
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

Problem/Issue	Parts Inspection	Possible Causes
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

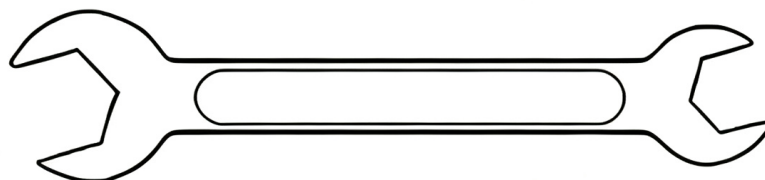
18. Tools



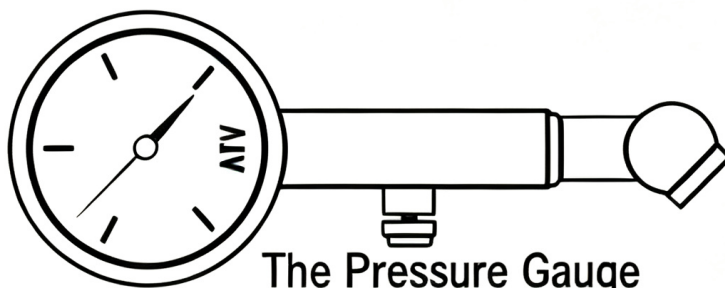
Spark Plug Wrench



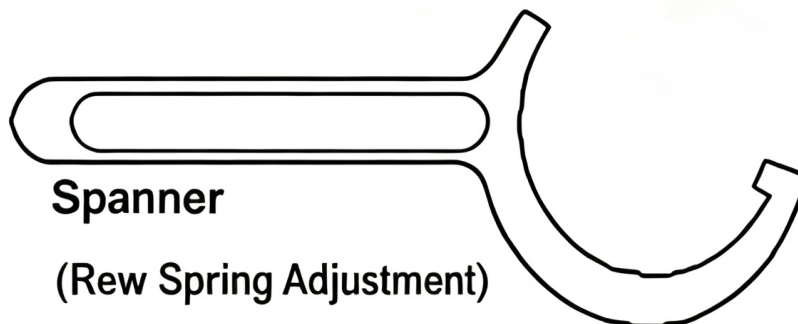
Wrench (3,10mm)



Wrench
(12.,14mm)



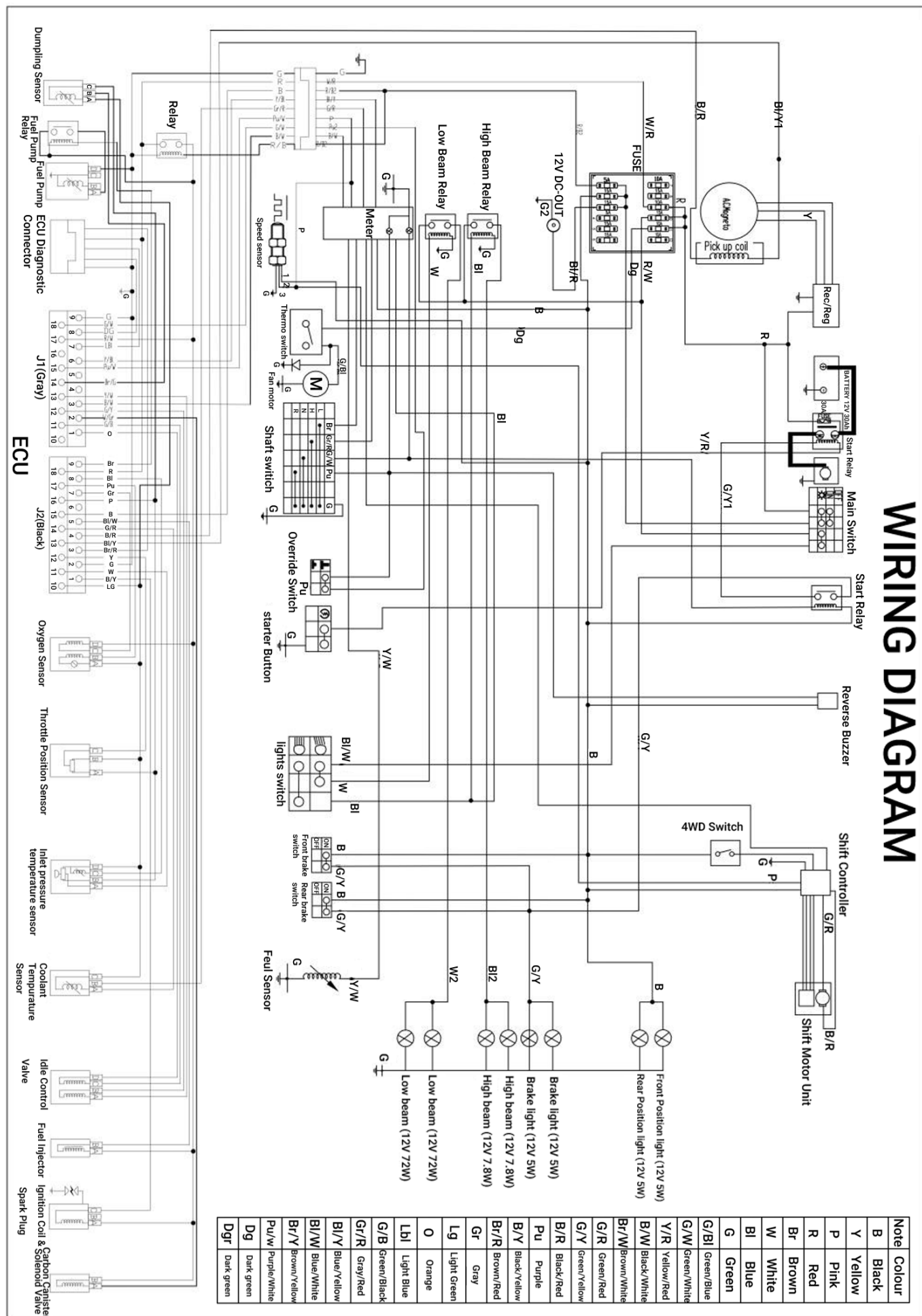
The Pressure Gauge



Spanner

(Rew Spring Adjustment)

19. Wiring Diagram



20. Specification

Capacities		
Model	ATV325	
Fuel capacity	14L	3.7U.S.Gal
Engine Oil Capacity	1.4L	1.32 Quarts
Ground Clearance	183mm	7.2 inch
Height	1270mm	50 inch
Length	2120mm	83inch
Width	1140mm	45inch
Seat height	890mm	35 inch
Wheel Base	1215mm	47.8 inch
Minimum Turn Radius	3000mm	118inch
Dry Weight	295 kg	650 lbs
Front Rack load	10kg	22 lbs
Rear Rack load	20kg	44 lbs
Load Capacity (Combined Rider& Payload)	110kg	242 lbs
Tongue Weight	10 kg	22 lbs
Tow Capacity	140 kg	308 lbs
Drive System		
Drive System	CVT	
Front Tire	24x8-12	
Rear Tire	24x11-10	
Tire Pressure(front)	5PSI	
Tire Pressure(rear)	5PSI	
Brake System		
Service Brake	Foot Brake	Hydraulic Disc
Parking Brake	Hand Brake	Hydraulic Lock
Auxiliary Brake	Hand Brake	Hydraulic Disc

Engine	
Engine Type	LH173MN,4Stroke, Single Cylinder, SOHC
Bore x Stroke	72.5mmx66.8mm
Displacement	275cc
Starter System	Electric Starter
Engine Cooling	Liquid-cooling
Lubrication System	Wet Sump
Fuel System	EFI
Spark Plug Type	DR8EA (NGK)

Electrical Equipment	
Battery	12V 18AH
Head light (high beam/low beam)	7.8W/7.2W
Position light	2.4W
Brake/ Tail Light	3W/2W
Mark Light	5W

21. Assembly Instructions

1. Open the box



- Loosen the two nuts of the fixing plate gradually and slowly.



WARNING

Press the front bumper of the ATV down to release pressure created by the suspension when loosening the two nuts to avoid injury.

- Remove the fixing nuts.

2. Install the wheels

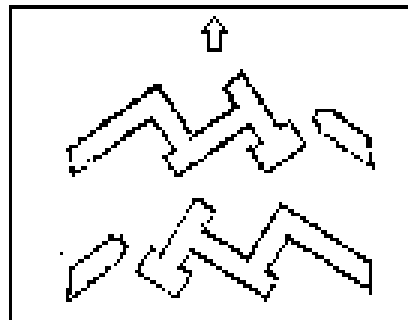


- Install the front and rear wheels on the axles after inflating the tires.

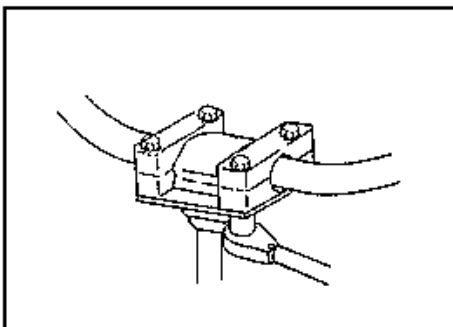
The torque for the front wheels is 50-60N.m.

The torque for the rear wheels is 70-80N.m. If installing an alloy wheel, the torque is 95 N.m.

- Make sure that the direction of the tire tread is as shown on the diagram. The arrow points to the front of the ATV. Ensure the valve stem is facing towards the outside.



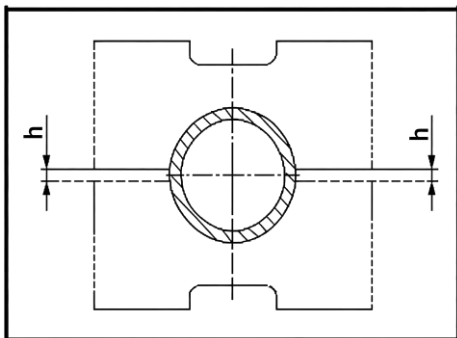
3. Install the handlebar



WARNING

Improper adjustment of the handlebars or incorrect torque 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.

- Install the handlebar as shown in the diagram.
- 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
- Torque handlebar adjuster block bolts to 17Ft.Lbs(23N.m)



NOTE: The thickness of the lower handlebar holder is 30mm and that of the upper one 22mm. They cannot be interchanged.

- 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.



- Install the throttle control and brake lever cylinder on the handlebar and adjust the handlebar parallel to the horizon before tightening the screws.



- Install the steering handle trim cover.

4. Install the backrest & Intermediate Belt Components

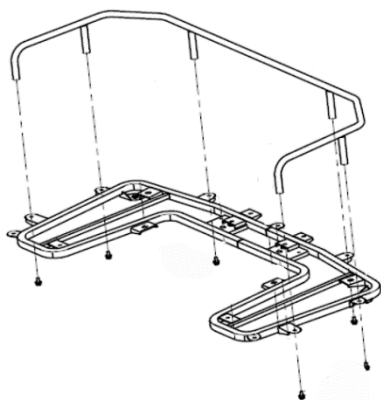


- Install the backrest.

BOLTS: M8X35

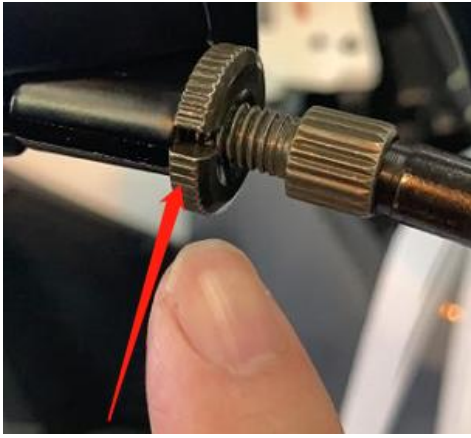
- Install Intermediate Belt Components.

5. Install the rear rack guard



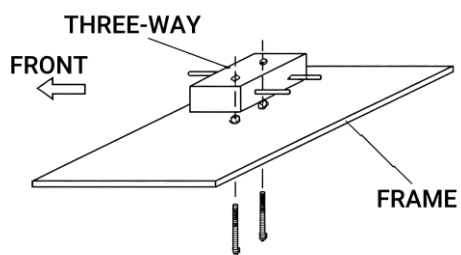
- Install the rear rack guard with 6 M6×16 bolts.

6. Fastening bolts



- Ensure all lock nuts are tightened.

7. Locate the three-way pipe



- Locate the three-way pipe on the frame plate and join them with the two bolts inserted through the holes from beneath the plate.

8. Install the Rear View Mirror



- Install the rear view mirrors.

9. Connect the battery



- Remove the baffle.



- Add battery electrolyte, connect the cables and fasten the battery with its strap.
- Connect the positive battery cable and the ground battery cable to the battery (See the OWNER'S/OPERATOR'S MANUAL).

10. Install the meter cover and baffle



- Connect all cables.



	• Connect the Bluetooth speaker and cable (Optional).
	• Install the dashboard cover with 2 screws.
	• Install the baffle with 2 bolts M6×16 and 2 nuts ST6.0.

11. Inspect and test the ATV (See the OWNER'S/OPERATOR'S MANUAL)

	• Check the transmission oil and engine oil (See the OWNER'S / OPERATOR'S MANUAL).
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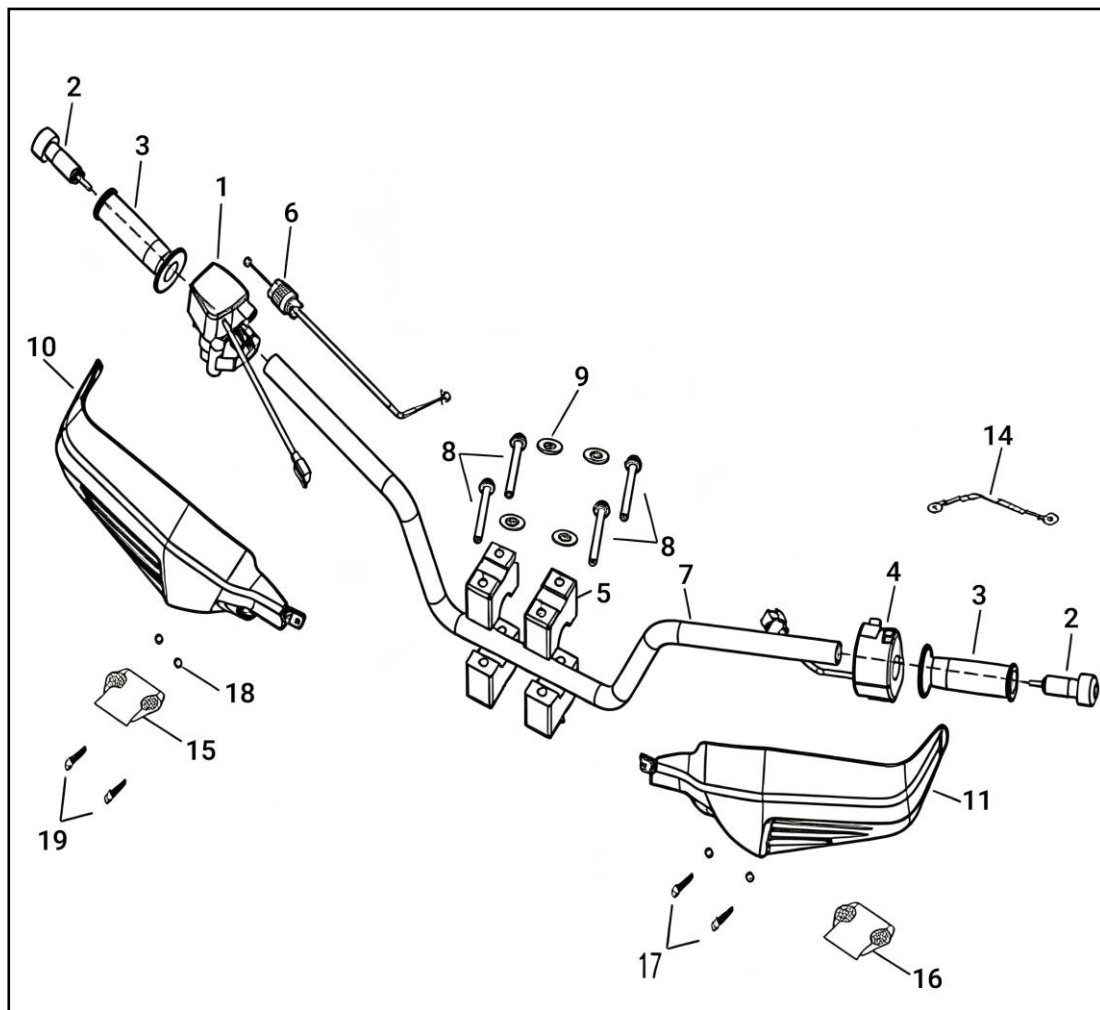
22. Registering Your ATV or UTV in Canada

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.

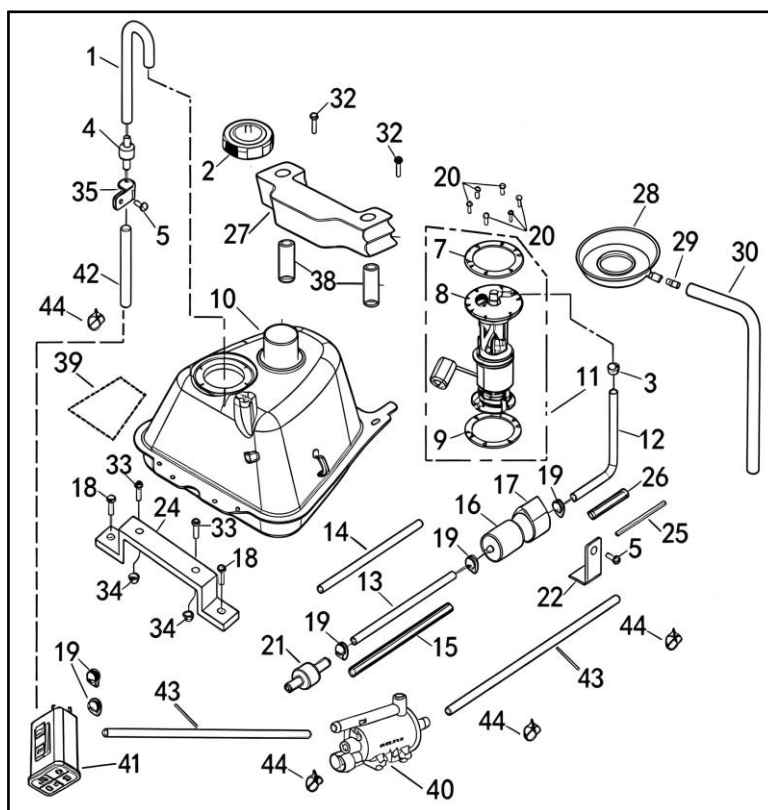
23. Exploded View and Parts List

V01-Handlebar



Ref. No.	Part No.	Description	Qty.
1	27811	Throttle control (with 2WD/4WD switch) (within diff-lock)	1
2	72037	New guard, handlebar end assy. (match with new handlebar)	2
3	71953	Grip	2
4	25846	Switch Assy	1
5	20112a	Handlebar clamp	2
6	27551	Throttle cable (EFI)	1
7	27385E	Handlebar	1
8	10139	Bolt M8X65	4
9	10068	Washer	4
10	30120S	Handlebar cover right	1
11	30121S	Handlebar cover left	1
14	25795	Electric cable	1
15	38716	Handlebar cover clamp right	1
16	38717	Handlebar cover clamp left	1
17	11978	Screw M5X20	4
18	11719	Nut M5	4
19	11951	Screw ST4.2X13	4

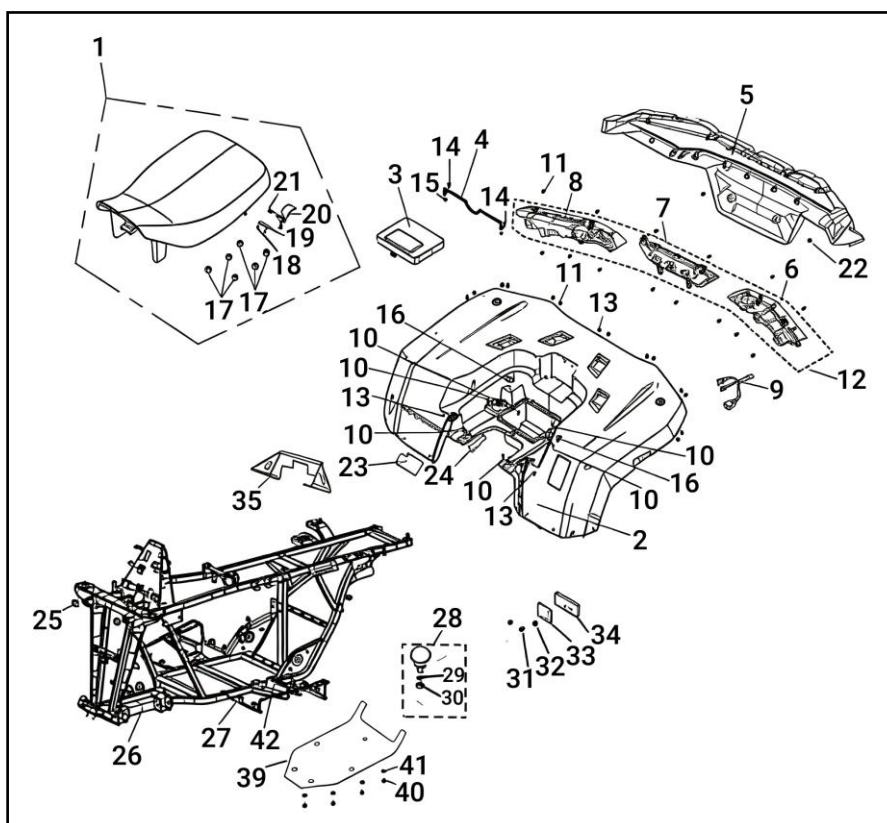
V02-Fuel Tank (EFI)



Ref. No.	Part No.	Description	Qty.
1	35501	Breather pipe (φ4.5xφ8X500)	1
2	25842	Fuel cap	1
3	84428	Single ear clamp (φ4.5)	1
4	25037	Dumping valve	1
5	11219	Bolt M6X12	2
7	72251	Plate	1
8*	27845	Pump body	1
9	36440	Rubber washer	1
10	32615	Fuel tank	1
11	25365	Fuel pump	1
12	27834	Fuel hose 1	1
13	71418a	Fuel hose 2	1
14	36073	Fuel line adiabetic pellicle	1
15	36077	Fuel line spring	1
16	70842	Fuel filter	1
17	70845	Fuel filter installation	1
18	11097	Bolt M6X16	1
19	71658	Hose clamps 8/14	5
20	10201	Screw M5X16	6
21	73146	Quick fitting assy 7.89	1

Ref. No.	Part No.	Description	Qty.
22	36142	Plate, fuel filter	1
24	27553	Mounting bracket, fuel tank	1
25	27834	Fuel line adiabetic pellicle	1
26	27836	Fuel line spring	1
27	20209	Mounting bracket	1
28	36078	The oil spill	1
29	60210	Joint	1
30	28095	Tube, fuel cap breather (φ7xφ10x450mm)	1
32	11362	Bolt M6X60	2
33	10168	Bolt M8X16	2
34	10079	Nut M8	2
35	25351	Dump valve fixing plate	1
38	20210	Fuel tank buffer sleeve	2
39	27837	Fuel tank adiabetic pellicle	1
40	38311	Carbon canister solenoid valve	1
41	25845	Carbon tank	1
42	71418a	Fuel hose 2	1
43	71427a	Fuel hose 4	2
44	20218	Clamp	4

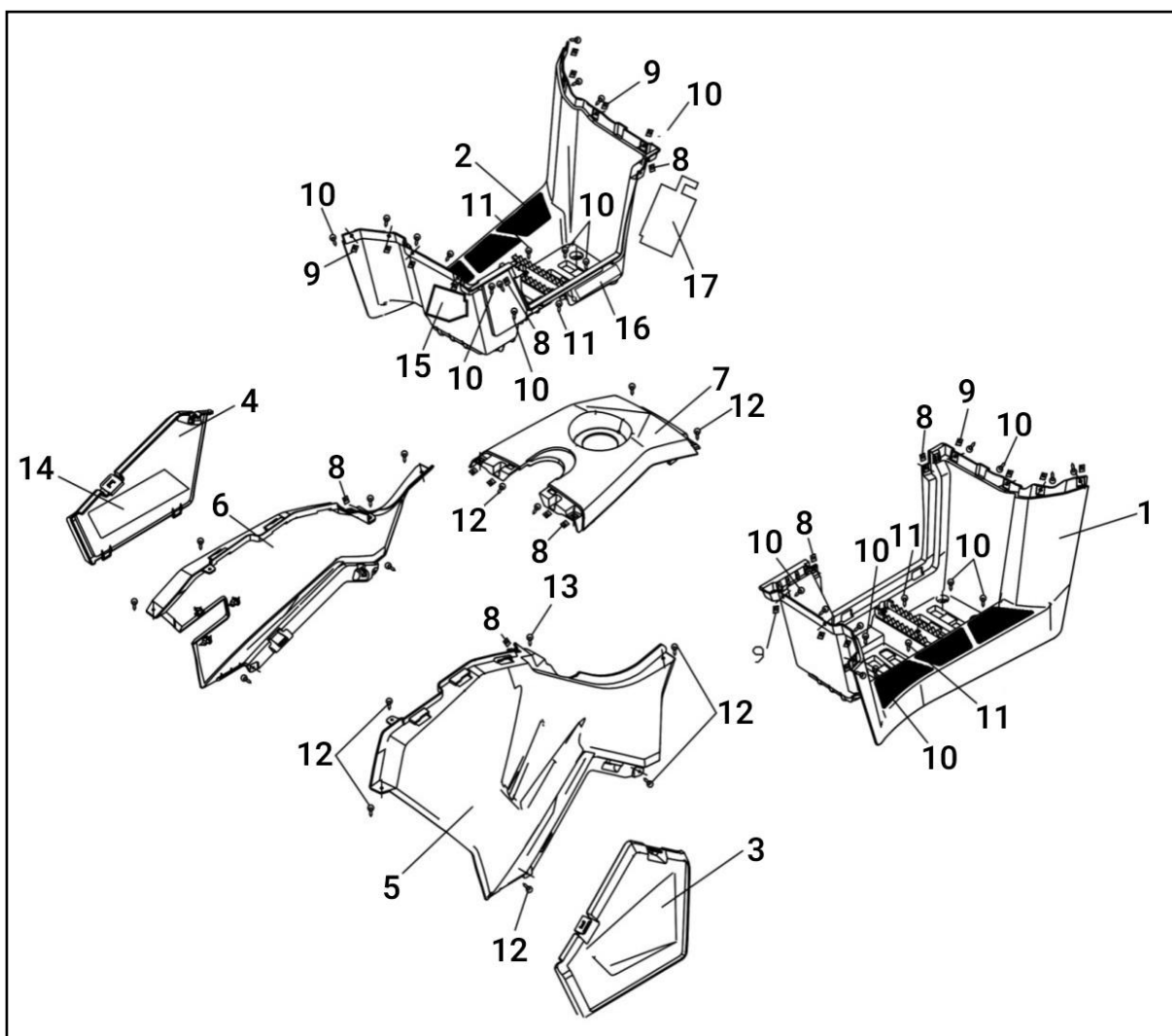
V03-Rear Fenders and Frame (Through Rear Taillight)



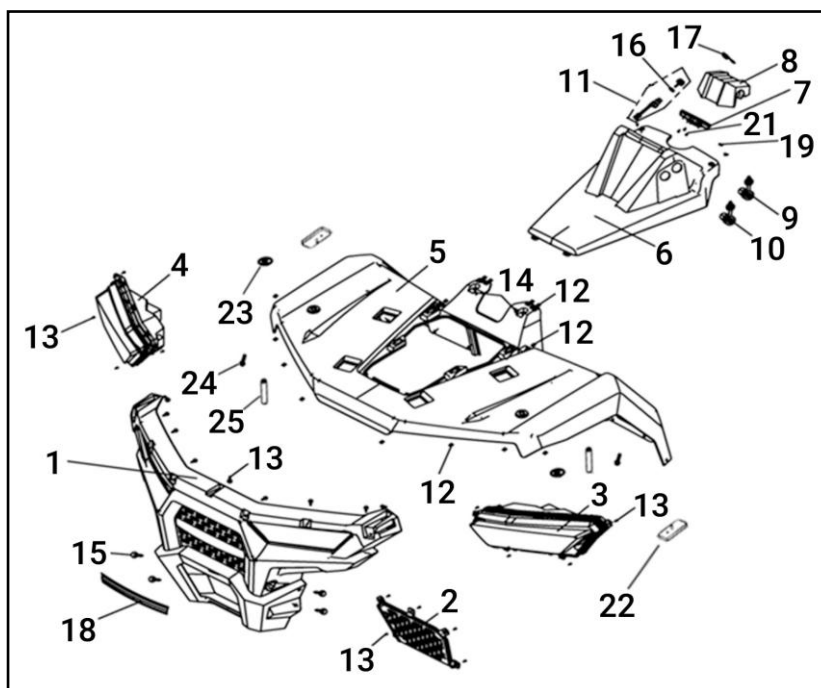
Ref. No.	Part No.	Description	Qty.
1	32617	Seat	1
2	325091F	Back body(process) (black)	1
2	325099B	Back body (process)(gray)	1
2	325094P	Back body(process) (desert yellow)	1
2	325097F	Back body(process) (conceal camouflage)	1
2	32574	Back body(process) (paint red)	1
3	25045a	Tool box cap	1
4	35915	Latch assembly	1
5	32609	Rear lamp shade (through rear taillight)	1
6	32610	Through rear taillight(left)	1
7	32611	Through rear taillight(middle)	1
8	32612	Through rear taillight(right)	1
9	32613	Through taillight transition wire	1
10	10183W	bolt M6X16	6
11	11467	Screw ST4.8×16	28
12	32614	Through rear taillight	1
13	22346	Nut ST4.8	9
14	11031	Bolt M6X12	2
15	11475	Nut 6	2
16	70445	Rubber, seat setting 2	2
17	25042	Rubber, seat setting 1	4
18	11222	Screw ST4.8×13	2
19	70803	Cushion plate	1
20	70788	Hook bracket, seat lock	1
21	70802	Spring	1

22	10183W	Bolt M6X16	2
23	32515	Back body front insulating film	1
24	32516	Back body back insulating film	1
25	25608	Rubber cover	4
26	32517	Frame Assy	1
27	70447	Cushioning of plastic parts	8
28	80056	Pull the ball	1
29	25705	Washer	1
30	25706	Nut	1
31	11222	Screw ST4.2X13	4
32	25707	Nut M5	2
33	32518	Rear reflector plate	2
34	36514	Rear reflector	4
35	32519	Seat mounting plate	1
37	70742	Collar	2
38	10183W	Bolt M6X16	2
39	25704	Chassis guard	4
40	11194	Bolt M6X18	8
41	20331	Washer 6	8
42	70300	Footrest buffer rubber block	2

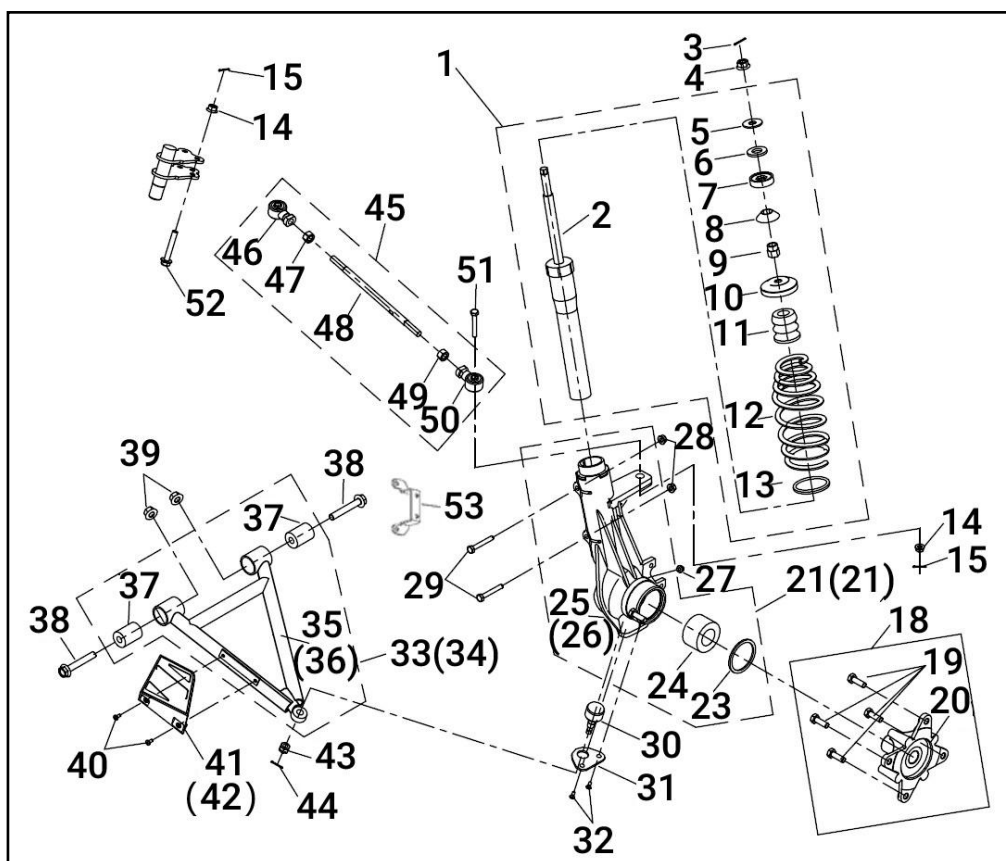
V04-Swingarm Assy



Ref. No.	Part No.	Description	Qty.
1	32520	Footrest left	1
2	32521	Footrest right	1
3	32593	Engine cover side l	1
4	32523	Engine cover side r	1
5	325241F	Side cover l(black)	1
5	325249B	Side cover l(gray)	1
5	325244P	Side cover l (desert yellow)	1
5	325247F	Side cover l (conceal camouflage)	1
5	32576	Side cover l (paint red)	1
6	325251F	Side cover r(black)	1
6	325259B	Side cover r(gray)	1
6	325254P	Side cover r (desert yellow)	1
6	325257F	Side cover r (conceal camouflage)	1
6	32577	Side cover r (paint red)	1
7	32526	Cover, fuel tank top	1
8	22346	Nut ST4.8	10
9	70960	Nut ST6.0	16
10	26370	Screw M6X16	24
11	73056	Screw M6X20	4
12	11467	Screw ST4.8×16	14
13	10183W	Bolt M6X16	2
14	32527	Right engine side cover insulating film	1
15	32528	Footrest front insulating film	1
16	32529	Footrest middle insulating film	1
17	32530	Footrest back insulating film	1



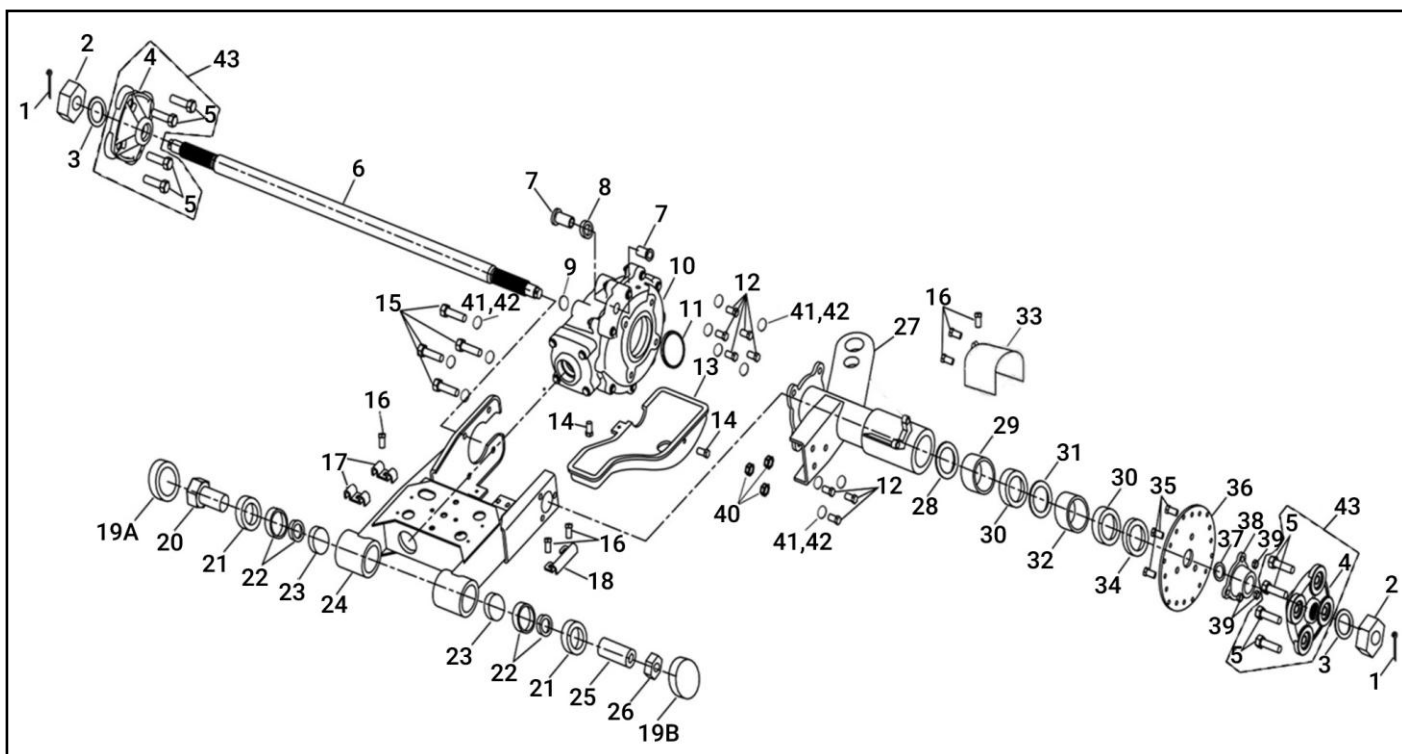
Ref. No.	Part No.	Description	Qty.
1	32618	Front cover(process)	1
2	32533	Under ventilation grid	1
3	47691	Led light, FL	1
4	47690	Led light, FR	1
5	326191F	Front body (process)(black)	1
5	326199B	Front body (process)(gray)	1
5	326194P	Front body (process) (desert yellow)	1
5	325347F	Front body (conceal camouflage)	1
5	326192K	Front body (process) (paint red)	1
6	32535	Instrument hood	1
7	32620	Lcd speedometer (EFI)	1
8	38501	The decorative cover of handlebar	1
9	36120	USB output socket combination	1
10	71973	Accessory socket Assy	1
11	27457	Ignition switch with key (used for waterproof)	1
12	22346	Nut ST4.8	14
13	11467	Screw ST4.8×16	24
14	10183W	Bolt M6X16	2
15	26370	Screw M6X16	4
16	25004	Threaded nut	1
17	27257	Ignition switch cover	1
18	36035	Front trim	1
19	70448	Instrument trim cover	2
21	10305	Bolt	3
22	36515	Side reflector	2
23	22351	Cover buffer	2
24	70742	Collar	2
25	10183W	Bolt M6X16	2



Ref. No.	Part No.	Description	Qty.
1	29703	Front shock absorber assembly	2
2	25288	Strut bumper	2
3	11555	Cotter pin 2X20	2
4	11577	Nut M14X1.5	2
5	21802	Washer 14	2
6	21803	Spacer rubber	2
7	21804	Upper pivot ball	2
8	21807	Lower pivot ball	2
9	21806	Nut M14X1.5	2
10	21808	Spring retainer	2
11	27191	Buffer block	1
12	25849	Spring	2
13	21813	Spring retainer	2
14	11510	Nut M10X1.25	4
15	27215	Cotter pin 2.5X25	4
18	25710	Front wheel hub connected	2
19*	20806s	Wheel stud (for aluminium wheel)	8
20*	25711	Front wheel hub	2
21	25712	Strut body connected left	1
22	25713	Strut body connected right	1
23	26912	Circlip	2
24	26913	Bearing	2
25	47048	Strut body left	1

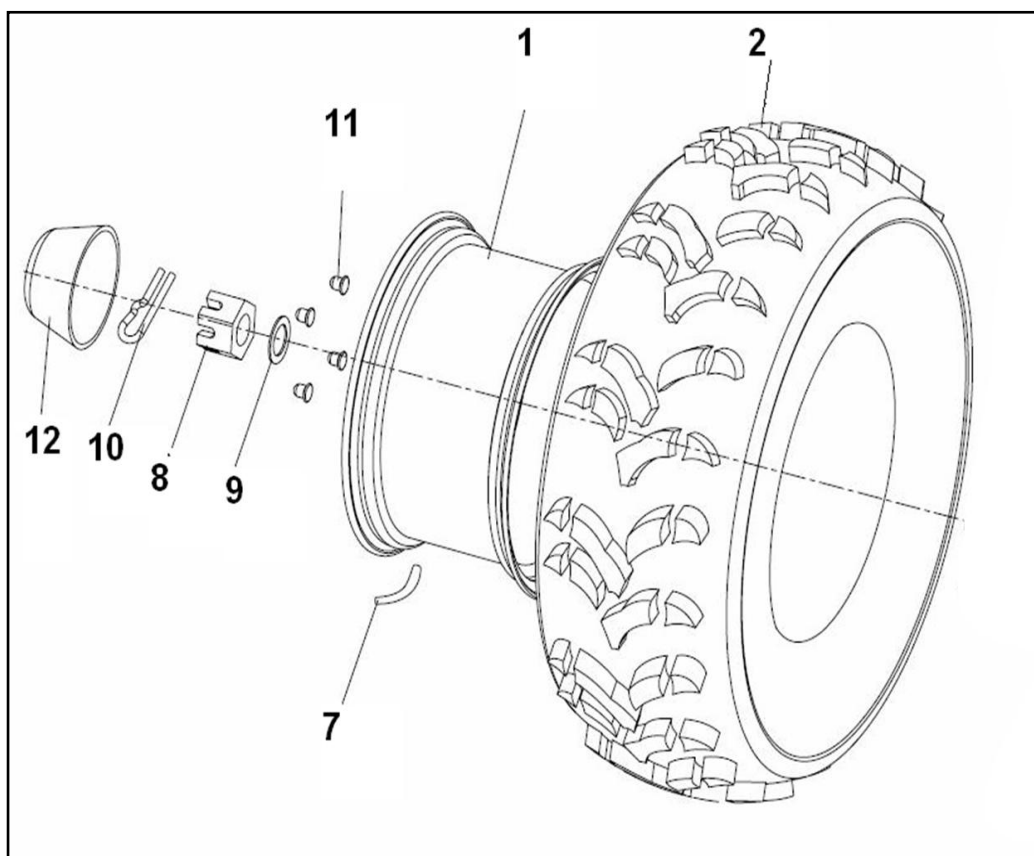
26	47049	Strut body right	1
27	27074	Grease fitting	2
28	11541	Nut M8	4
29	11540	Bolt M8X55	4
30	32588	Ball joint stud	2
31	20513	Ball joint mounting bracket	2
32	11947	Bolt M6X12	4
33	25714	A-arm connected left	1
34	25715	A-arm connected right	1
35	25096	A-arm left	1
36	25097	A-arm right	1
37	20524F	Bushing	4
38	20522f	A-arm pivot shaft	4
39	11509	Nut M12X1.25	4
40	11062	Screw M5X12	4
41	20519	A-arm shield left	1
42	20628	A-arm shield right	1
42	32590	A-arm shield right	1
43	27067	Nut M10X1.25	2
44	27215	Cotter pin 2.5X25	2
45	20629B	Tie rod Assy	2
46	20507	Tie rod end b (right)	2
47	11198	Jam nut(right)	2
48	20505	Tie rod	2
49	20506	Jam nut (left)	2
50	20503	Tie rod end a (left)	2
51	11946	Bolt M10X1.25X55	2
52	27794	Bolt M10X1.25X57	2
53	25855	Mounting plate for front disc brake tube	2

V07-Swingarm Assy



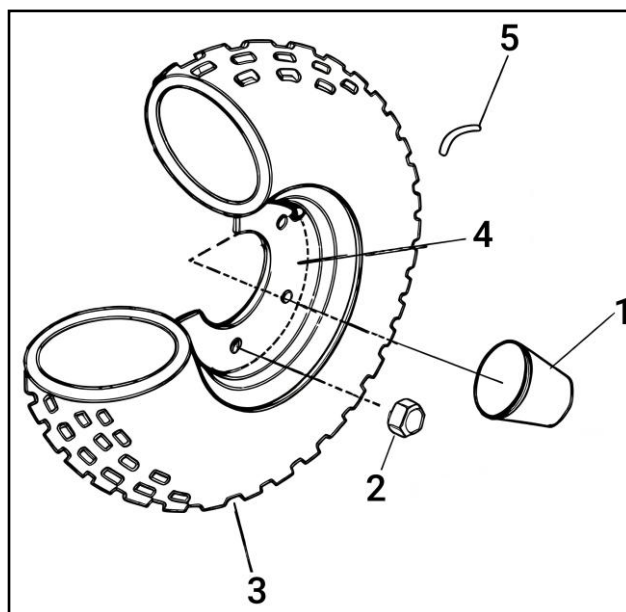
Ref. No.	Part No.	Description	Qty.
1	10051	Cotter pin	2
2	11817	Nut slotted M20X2	2
3	21017	Washer	2
4*	21018	Wheel hub	2
5*	25716	Wheel stud M12X1.25X45	8
6	25102	Rear axle	1
7	20902	Cushion pad	2
8	20903	Spacer-bearing	1
9	11041	O-ring	2
10	25717	Rear gear box	1
11	20901	O-ring	1
12	10045	Bolt M12X30	8
13	20705	Skid plate rear	1
14	11208	Bolt M8X12	3
15	11818	Bolt M12X35	4
16	10001	Screw M5X12	6
17	22235	Brake line clamp small	1
18	22236	Brake line clamp large	1
19A	25663	Cap swingarm pivot	1
19B	20715	Cap swingarm pivot	1
20	20709	Swing arm pivot right	1
21	20708	Seal	2
22	11012	Bear	2
23	20706	Seal-swingarm pivot	2
24	25099	Swingarm Assy	1
25	20717	Swingarm pivot left	1

26	20710	Threaded pivot	1
27	25245	Axle tube and hitch assembly	1
28	21004	Ring retainer int	1
29	21005	Spacer	1
30	10808	Bearing ball double seal	2
31	26264	Ring retainer int	1
32	31008	Spacer-bearing	1
33	31024	Brake hose cover	1
34	21009	Seal rear axle	1
35	10048	Bolts M10X1.25X20	3
36	32115	Rear disc brake	1
37	11040	O-ring	1
38	21012	Hub brake disc machined	1
39	10050	Nut M10X1.25	3
40	10031	Nut M12	3
41	10054	Washer 12	12
42	11488	Washer 12	12
43	25719	Wheel hub Assy	2



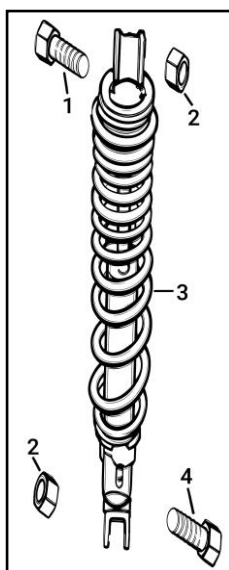
Ref. No.	Part No.	Description	Qty.
1	26289	Wheel front (iron and black) - iron(c)	2
1	20809R	Wheel front (iron and black with red) -iron(d)	2
1	25358	Wheel front(aluminium)-alloy(f)	2
1	25386	Wheel front(aluminium)-alloy(g)	2
2	25838	Tire front (mark in "Duro" p350)	2
2	25839	Tire front (mark in "Duro" p306)	2
7	20807	Valve. Rim (PVR70) (for iron wheel)	4
7	20807a	Valve, rim (TR412) (for aluminium wheel)	4
8	70721	Bolt slotted	4
9	70722	Washer	2
10	26267	Pin 4X32	2
11	11510	Lug nut M10X1.25 (black for iron)	8
11	11375	Lug nut M10X1.25(white for aluminium)	8
12	70717	Cap, wheel center	2

V09-Rear Wheel



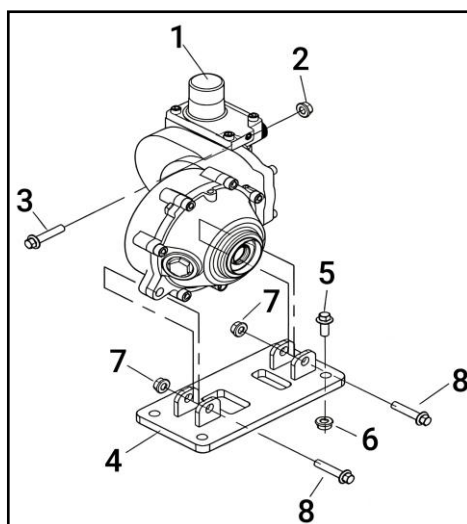
Ref. No.	Part No.	Description	Qty.
1	21014	Axle cap	2
2	27411	Lug nut M12X1.25	8
3	25836	Tire rear (mark in "Duro" p350)	2
3	25837	Tire rear (mark in "Duro" p306)	2
4	21022F	Wheel rear (iron and black) -iron(c)	2
4	21022R	Wheel rear (iron and black with red) -iron(d)	2
4	21022S	Wheel rear (aluminium)-alloy(e)	2
4	25359	Wheel rear (aluminium)-alloy(f)	2
4	25385	Wheel rear (aluminium)-alloy(g)	2
5	20807a	Valve. Rim	1

V10-Rear Shock Absorber



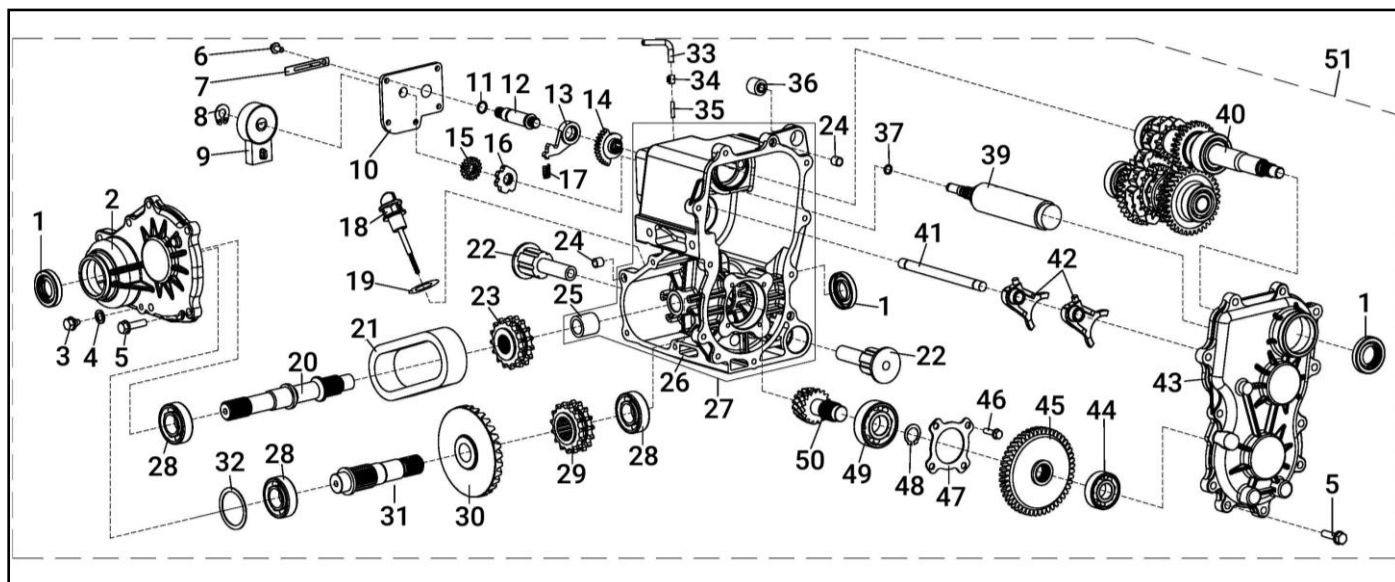
Ref. No.	Part No.	Description	Qty.
1	20906	Upper bolt M10X1.25X57	1
2	10015	Nut M10X1.25	2
3	25104	Shock absorber rear	1
4	20909	Lower bolt M10X1.25X60	1

V11-Front Gear-Box Bracket (for 4WD)



Ref. No.	Part No.	Description	Qty.
1	24445a	Front gear-box	1
2	11541	Nut M8	1
3	11462	Bolt M8×55	1
4	24438	Front gear-box backstop	1
5	11823	Bolt M10×1.25×20	4
6	10015	Nut M10×1.25	4
7	11114	Nut M10×1.25	2
8	70073	Bolt M10×1.25×50	2

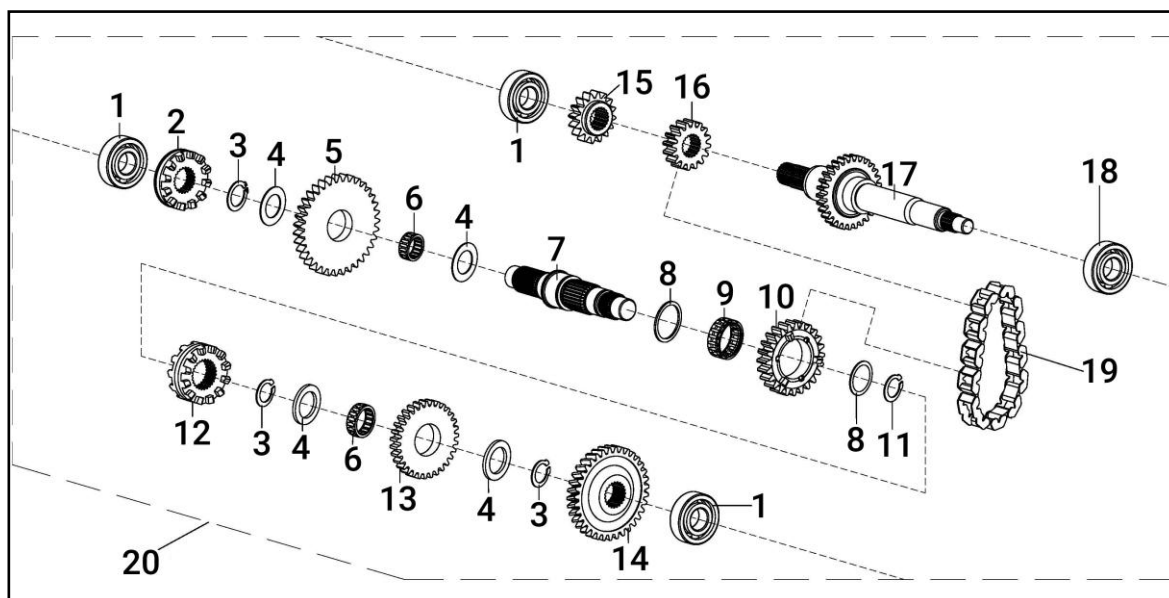
V12-Transmission (4WD)



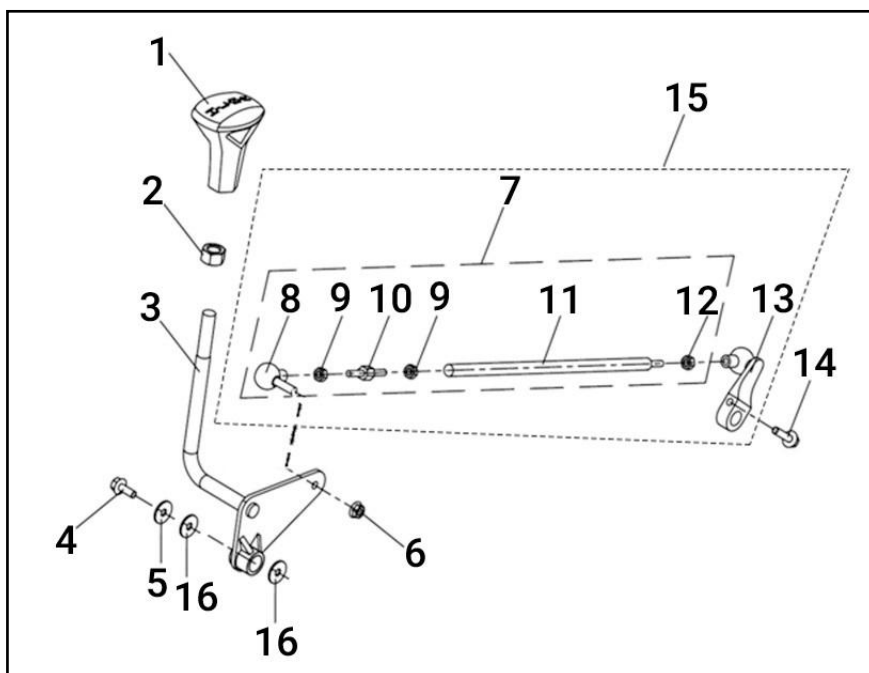
Ref. No.	Part No.	Description	Qty.
1	21201	Seal 25X47X8	3
2	21468t	Front cover	1
3	21469	Drain screw	1
4	21470	Washer	1
5	10060	Bolt M8X28	14

6	11495	Bolt M6×16	5
7	35247	Cable clamp	1
8	10767	Circlip 11	1
9	25796	Gear shift component	1
10	84002	Shift cover	1
11	10737	O-ring 13.2X1.8	1
12	25724	Shaft, gear shift	1
13	84004	Stop swing lever, gear shift	1
14	84008	Drive gear, gear shift	1
15	84006	Driven gear, gear shift	1
16	25725	Camshaft, gear shift	1
17	84003	Spring	1
18	25797	Dipstick	1
19	10122	O-ring 18X2.65	1
20	21480	Shaft front output	1
21	25727	Chain	1
22	73768	Engine mount bushing	2
23	25728	Driven sprocket	1
24	21104	Dowel pin	4
25*	47538	Bushing	1
26*	25798	Gear case	1
27	25801	Gear case assembly	1
28	10267N	Bearing 6205C3	3
29	25731	Drive sprocket	1
30	21462	Rear drive gear	1
31	25732	Rear output shaft	1
32	21465	Shim 1	1
33	72165	Vent tube	1
34	29530	Spring clip	1
35	21340	Vent tube fitting	1
36	2531555	Rear flex sleeve	1
37	21615	O-ring 9.5X1.8	1
39	25799	Drum, fork shift	1
40	25734	Main transmission assembly	1
41	25735	Guide shaft, shift fork	1
42	25736	Shift fork	2
43	25737	Left cover	1
44	10062	Bearing 6204	1
45	25656	Gear helical 46t	1
46	11819	Screw M6X10	4
47	21351	Bearing retainer plate	1
48	21453	Snap ring	1
49	35468	Bearing 6305	1
50	21455	Pinion shaft 10t	1
51	25800	Transmission(4wd)	1

V12-1-Main Transmission Assembly

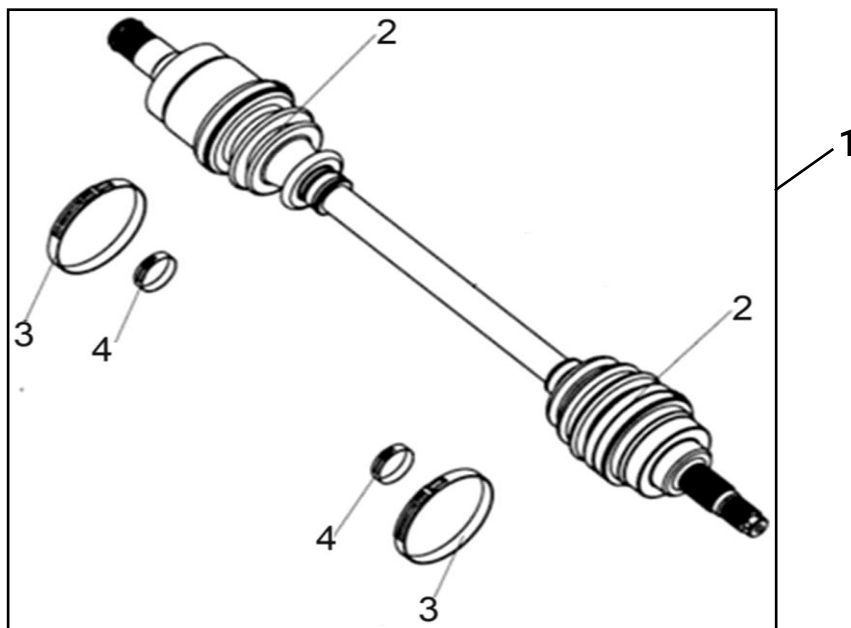


Ref. No.	Part No.	Description	Qty.
1	10062	Bearing 6204	3
2	21332	Engagement	1
3	11505	Snap ring	3
4	25739	Thrust washer	1
5	21329	Gear 35t	1
6	21218	Needle bearing 25	2
7	25740	Shaft	1
8	25741	Thrust washer 2	2
9	21225	Needle bearing 25	1
10	21224	Sprocket 24t	1
11	11383	Snap ring	1
12	21221	Dog gear	1
13	21217	Gear 31t	1
14	25655	Gear, helical 35t	1
15	21208	Gear 16t	1
16	21477	Sprocket	1
17	47539	Input shaft	1
18	10732	Bearing 5205 c3	1
19	21207	Chain	1
20	25734	Main transmission assembly	1



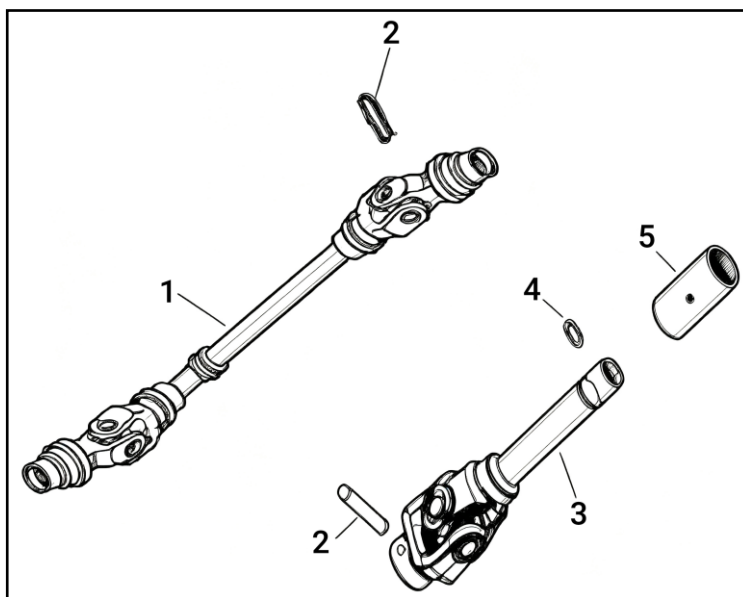
Ref. No.	Part No.	Description	Qty.
1	25803	Knob	1
2	10876	Nut M12	1
3	25744	Shifter assy mounting	1
4	10716W	Bolt M6X10	1
5	10863	Washer 6	1
6	11202	Nut M10	1
7	25745	Shifter mounting rod	1
8	21625	Shift rod end ccw	1
9	10090	Jam nut M6 cw	2
10	21619	Shift rod coupler	1
11	25746	Shift rod	1
12	21624	Jam nut ccw	1
13	25747	Shift lever	1
14	10187W	Bolt M6X25	1
15	25853	Shift lever rocker arm assembly	1
16	84081	Washer	2

V15-Front Drive Axle (for 4WD)

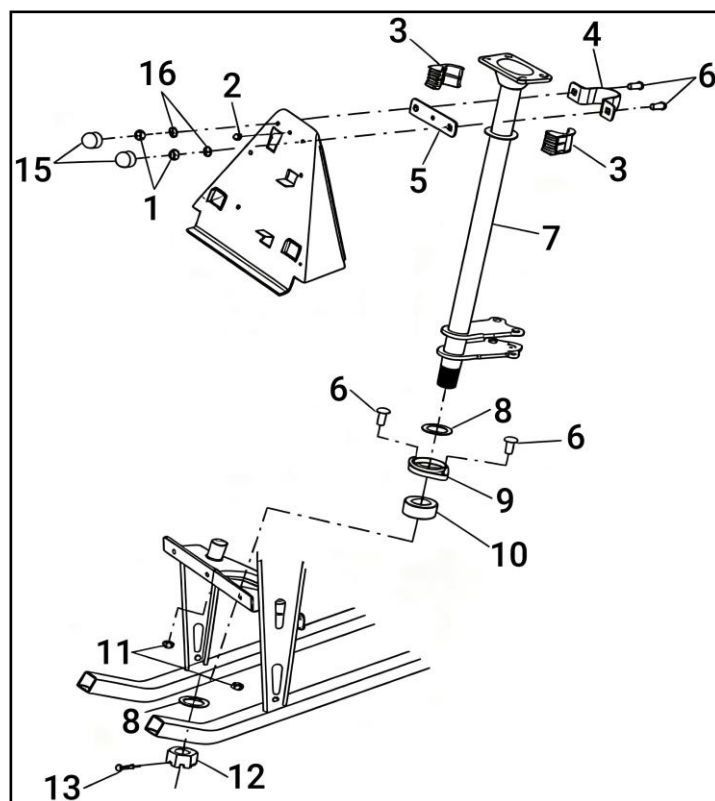


Ref. No.	Part No.	Description	Qty.
1	25748	Front drive axle	2
2	24403	Outer board boot	4
3	24404	Boot band b	4
4	24402	Boot band a	4

V16-Front & Rear Knuckle Assy (for 4WD)

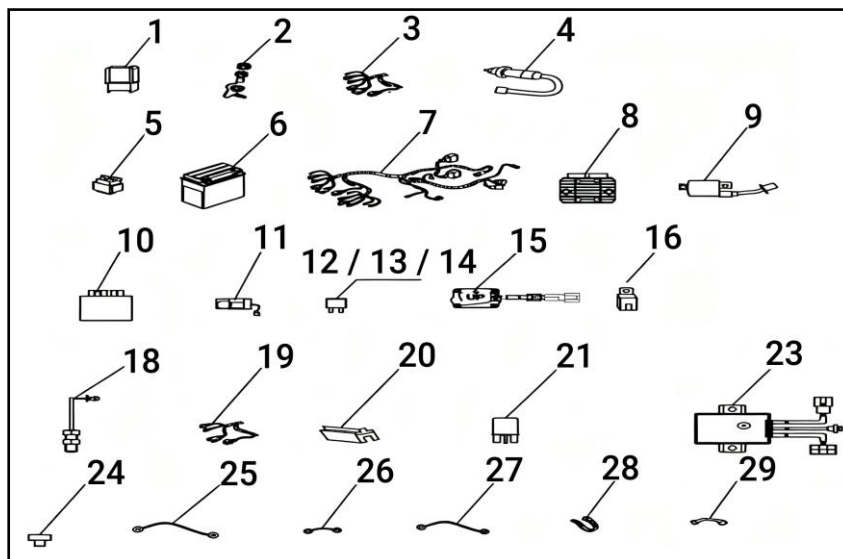


Ref. No.	Part No.	Description	Qty.
1	25216	Front knuckle	1
2	20716	Grooved pins	2
3	25749	Rear propshaft assy	1
4	11837	O-ring	1
5	20703	Coupling-prop shaft greased	1

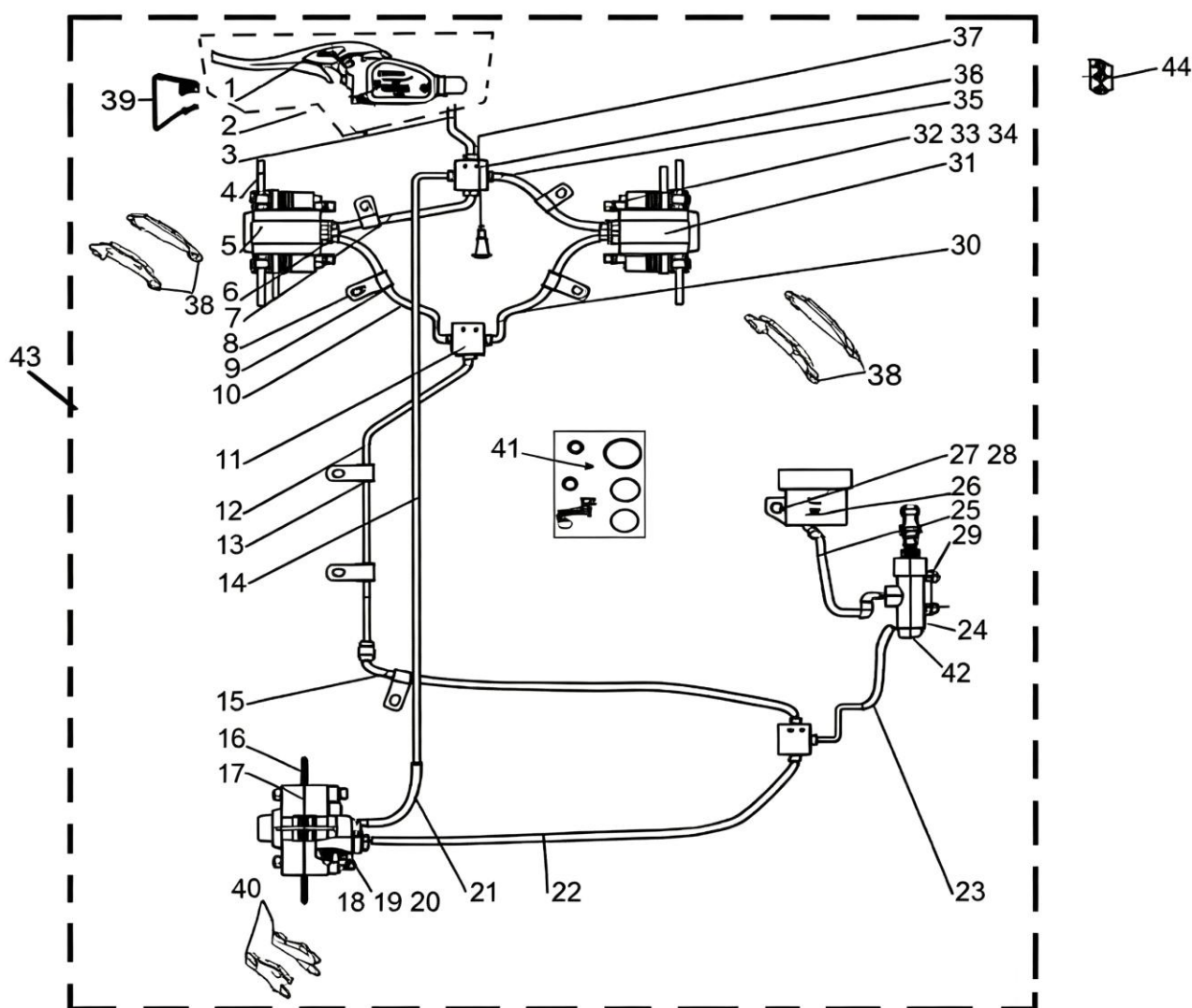


Ref. No.	Part No.	Description	Qty.
1	10880	Nut M8	2
2	10026	Grease fitting	1
3	21903	Bushing	2
4	21904	Steering clamp rear	1
5	21905	Steering clamp front	1
6	21906	Bolt	4
7	31907S	Steering column	1
8	21909	Washer	2
9	21910	Bearing retainer	1
10	21911	Bearing	1
11	10880	Nut M8	2
12	10100	Steering column retainer nut	1
13	11576	Cotter pin	1
15	27256	Protect cover	2
16	11504	Spring washer	2

V18-Electrical System (USA EFI)



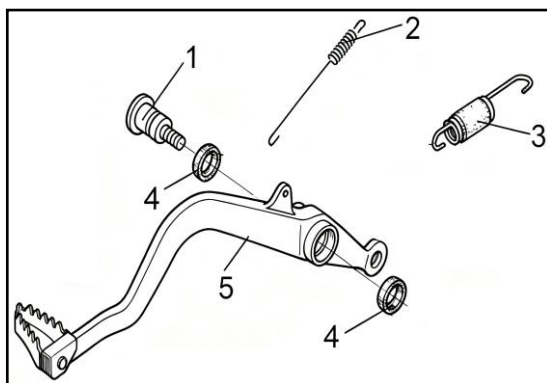
Ref. No.	Part No.	Description	Qty.
1	71474	EFI relay	1
2	71973	Accessory socket assy	1
3	27920	EFI wire	1
4	70405a	Brake switch (used for waterproof plug in unit)	1
5	71602	Starter relay	1
6	25337	Battery	1
7	32540	Wiring harness (new 300 EFI)	1
8	71603	Regulator rectifier	1
9	70822D	Ignition coil	1
10	85178	ECU (mt05.2 EFI)	1
11	32038	Reverse gear warning	1
12	22020	15 amp fuse	3
13	22021	5 amp fuse	1
14	84273	10 amp fuse	2
15	72278	Electrical dump switch (match with ecu(mt05.2))	1
16	35083	Supplementary relay (control high beam and dipped beam)	3
18	25817	Gear sensor	1
19	32541	Gear sensor harness (used with gear sensor 1a) (EFI)	1
20	35907	Starter relay shield	1
21	50280	Oil pump relay	1
23	25436	2wd/4wd motor controller	1
24	26272	Protector	2
25	32621	Starting motor positive line	1
26	32622	Battery cable positive	1
27	32623	Battery cable ground	1
28	55016	Tie	20
29	22018	Battery bell	1



Ref. No.	Part No.	Description	Qty.
1	2211120	Brake lever I	1
2	22101	Master cylinder	1
3	22102	Hand brake hose	1
4	25754	Front brake disc	2
5	25755	Brake caliper left	1
6	21811	Clamp	2
7	22229	Front brake hose 2	1
8	32104	Clamp	5
9	32105	Rubber tube 1	3
10	25269	Front brake hose 1	1
11	25270	Brake line coupler	2
12	32108	Tub-disk brake front	1
13	32109	Rubber tube 2	2
14	22103	Rear brake hose	1
15	25121	Front brake hose	1
16	32115	Rear disc brake	1
17	22105	Rear brake caliper	1
18	25411	Bolt M10X1.25X83	2

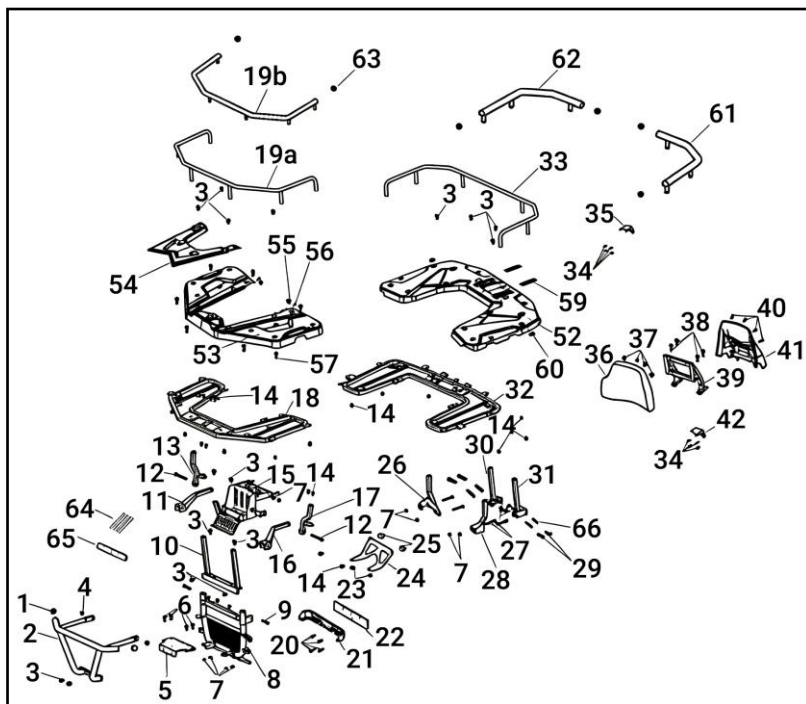
19	10015	Nut M10X1.25	2
20	11486	Washer 10	2
21	25240	Rear brake hose 2	1
22	25242	Rear brake hose 3	1
23	25122	Foot brake hose	1
24	25265	Rear brake cylinder	1
25	25262	Reservoir hose	1
26	25299	Reservoir	1
27	11563	Nut M5	1
28	11046	Bolt M5X12	1
29	11459	Bolt M6X20	2
30	25225	Front brake hose 2	1
31	25756	Brake caliper right	1
32	25420	Bolt M8X25	4
33	11490	Washer 8	4
34	11557	Washer 8	4
35	22228	Front brake hose 1	1
36	22230	Brake line coupler	1
37	25423	Screw M5X15	6
38	22245	Inside/outside pad (for front brake caliper)	2
39	48323	Stop switch front	1
40	22111	Inside/outside pad (for rear brake caliper)	1
41	32252	ZJ-E2 service kit (for Europe)	1
42	35868	Foot brake pump connection bolt	1
43	25757	Braking system	1
44	25833	Three-line coupler (no rearview mirror mounted cylinder)	1
44	22126	Three-line coupler	1

V21-Brake Pedal



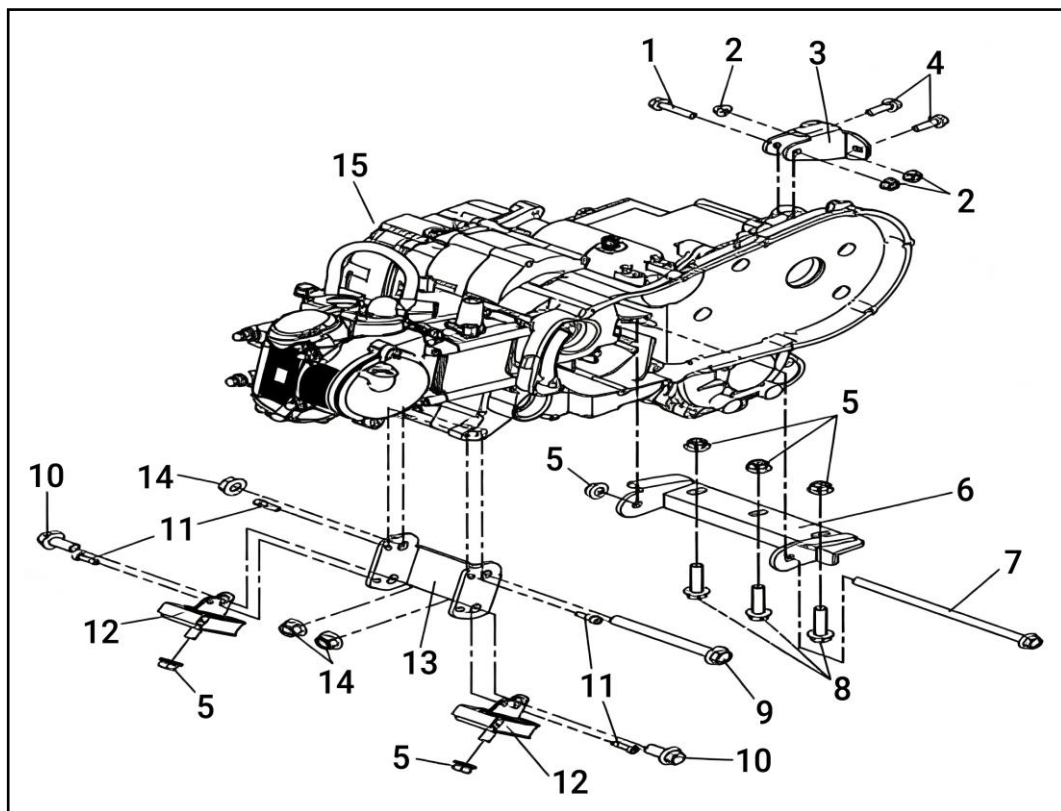
Ref. No.	Part No.	Description	Qty.
1	70457	Shaft, brake pivot	1
2	32246	Spring, stop switch	1
3	25539	Spring Assy	1
4	70460	Dust seal	2
5	32598	Pedal brake	1

V22-Bumper & Rack



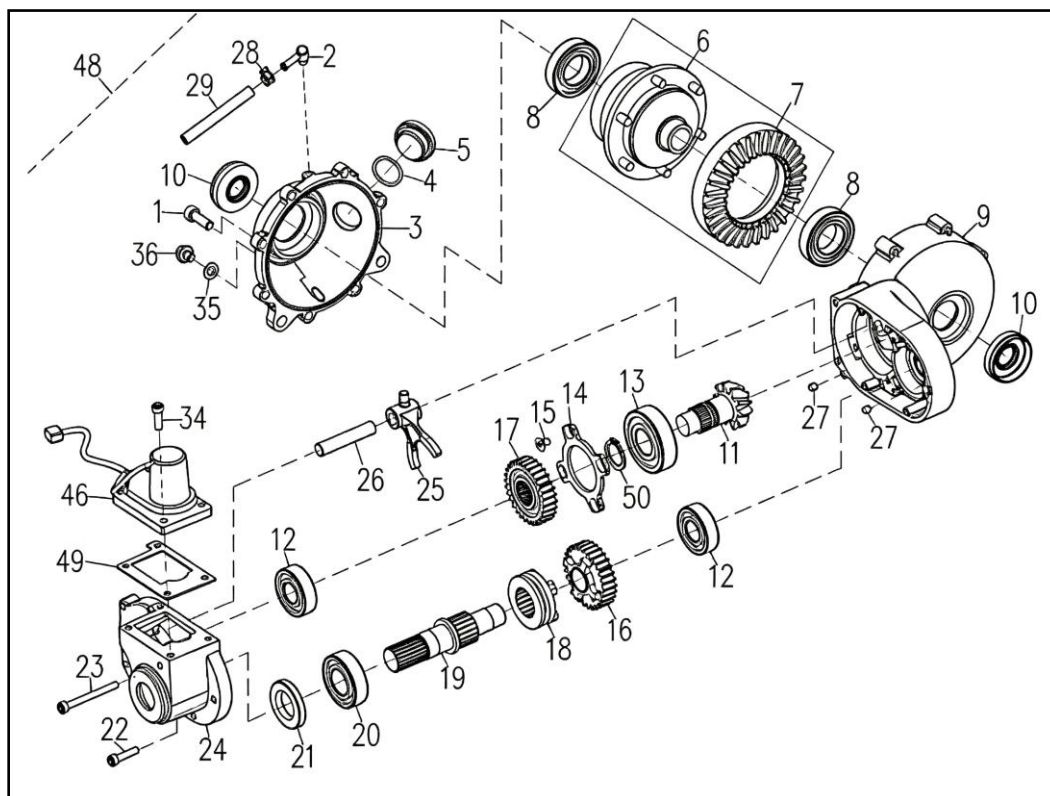
Ref. No.	Part No.	Description	Qty.
1	32544	Bumper plug	2
2	32545	Bumper welding assembly	1
3	10783	Bolt M8X20	14
4	11208	Bolt M8X12	2
5	32546	Tractor mounting plate	1
6	11102	Bolt M8X25	4
7	10882	Nut M8	14
8	32547	Front bumper support	1
9	10403	Bolt M8X50	2
10	32548	Front shelf support	1

11	27442	Bumper right mounting bracket	1
12	11103	Bolt M8X85	4
13	32549	Mounting bracket on the right behind the front shelf	1
14	10183B	Bolt M6X16	18
15	32550	Electrical installation group	1
16	27440	Bumper mounting bracket left	1
17	32551	Rear left mounting bracket for front shelf	1
18	32552	Front shelf welded assembly	1
19a	32553	Front shelf guard	1
20	11539	Bolt M6X25	4
21	20413	Installation bracket under the water tank(carburetor)	1
21	25830	Down bracket radiator (EFI)	1
22	20414	Install bracket buffer pad under the water tank	1
23	22917	Shock absorber sleeve	2
24	32572	Installation plate	1
25	20316	Elastic mounting nut	2
26	32554	Rear shelf front right mounting bracket	1
27	11261	Bolt M8X68	4
28	32555	Rear shelf front left mounting bracket	1
29	11101	Bolt M8X45	4
30	32556	Rear right support of rear	1
31	32557	Rear left support of rear	1
32	32558	Rear shelf welding components	1
33	32559	Rear shelf guardrail	1
34	11467	Self-tapping screw ST4.8 ×16	8
35	38662	Rear backrest right cover small part	1
36	38664	Rear backrest	1
37	22346	Elastic bayonet	4
38	10183W	Bolt M6X16	4
39	32560	Rear backrest welding component (new 2023 design)	1
40	10183W	Bolt M6X16	4
41	38668	Rear backrest cover	1
42	38663	Rear backrest left cover small part	1
49	10109	Nut M5	3
50	10427	Screw M5X35	3
52	32562	Rear plastic shelf	1
53	32563	Front plastic shelf	1
54	32564	Front shelf trim	1
55	22346	Elastic bayonet	2
56	26370	Screw M6X16	2
57	10183W	Bolt M6X16	7
59	32565	Small rear shelf cover	2
60	22351	Cover buffer	2
63	32544	Bumper plug	6
64	38525	Buffer sponge	3
65	22018	Battery cable tie	1
66	36445	Spacer	4



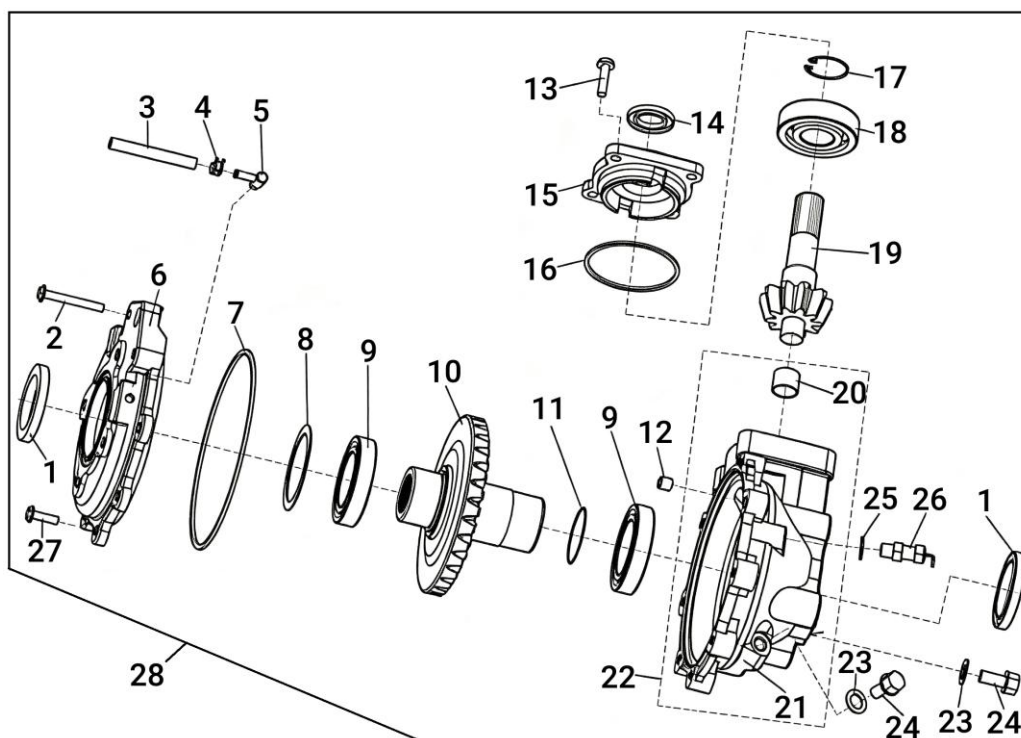
Ref. No.	Part No.	Description	Qty.
1	11955	Bolt M8X40	1
2	10882	Nut M8	3
3	25764	Up gearbox plate	1
4	11948	Bolt M8X25	2
5	10015A	Nut M10	4
6	25765	Down gearbox plate	1
7	11348	Bolt M10X210	1
8	11957	Bolt M10X50	3
9	25766	Bolt M12X130	1
10	11506	Bolt M12X25	2
11	10008Y	Bolt M6X20	4
12	35503	Engine buffer block	2
13	25767	Front engine plate	1
14	11480	Nut M10	3
15	25829	Engine (EFI)	1

V24-Front Gear-Box (for 4WD)

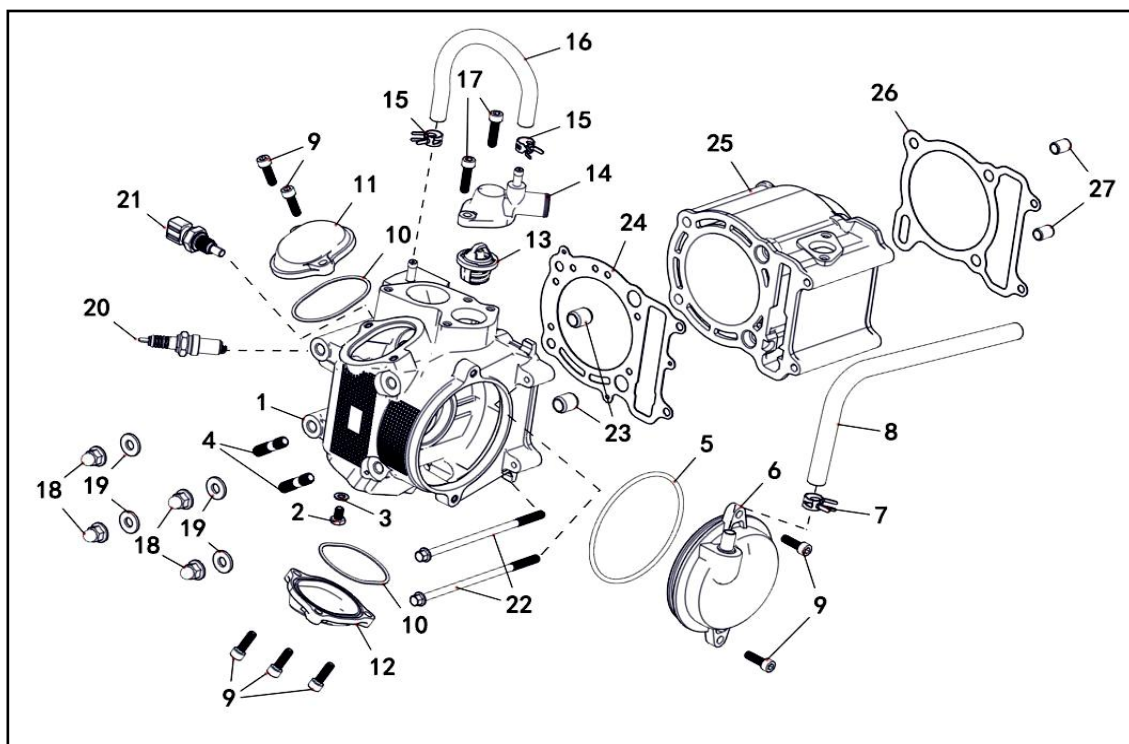


Ref. No.	Part No.	Description	Qty.
1	11499	Bolt M8X25	7
2	50004	Vent fitting	1
3	24303A	Left cover	1
4	50082	O-ring 30.5X3	1
5	24305	Diff filler plug	1
6	24306	FOC body	1
7	24307	Bevel crown wheel	1
8	11995	Bearing 6006 P63	2
9	24309	Diff-Case RHS	1
10	24310	Seal sdd722x48x11	2
11	24311	Conical with helical gearing	1
12	10062	Bearing 6204	2
13	10074	Bearing 6305	1
14	24314	Case-bear retainer	1
15	11947	Screw M6X12	4
16	24316	Diff gear	1
17	24317	Diff gear driven	1
18	24318	Splined dog	1
19	24319	Diff input shaft	1
20	10267N	Bearing 6205	1
21	24321	Seal tc25x47x7	1

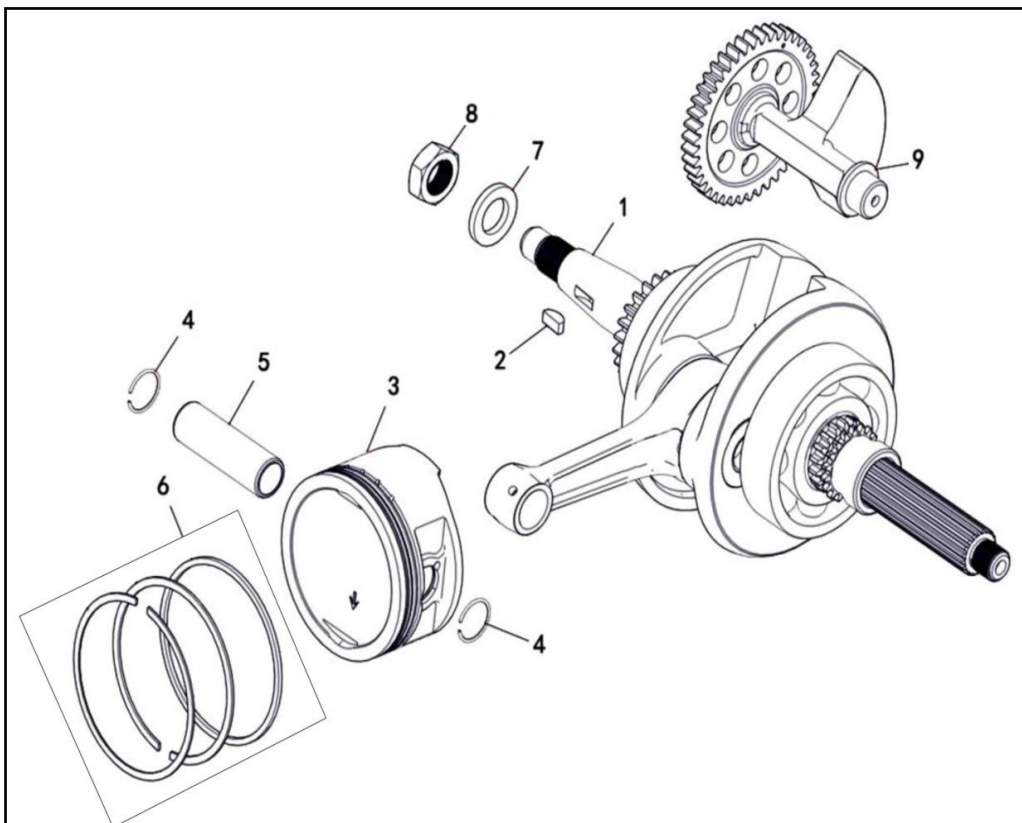
22	11953	Bolt M6X30	6
23	11447	Bolt M6X70	1
24	24324	Rear cover	1
25	24325	Diff selector fork	1
26	24326	Selector rail	1
27	24327	Pin	2
28	32584	Clamp	1
29	27814	Ventilator	1
34	10183W	Bolt M6X16	4
35	21470	Washer	1
36	21469	Drain screw	1
46	25435	2wd/4wd shift motor	1
48	24445a	Front gear-box	1
49	32628	Gasket	1
50	21453	Circlip 25	1



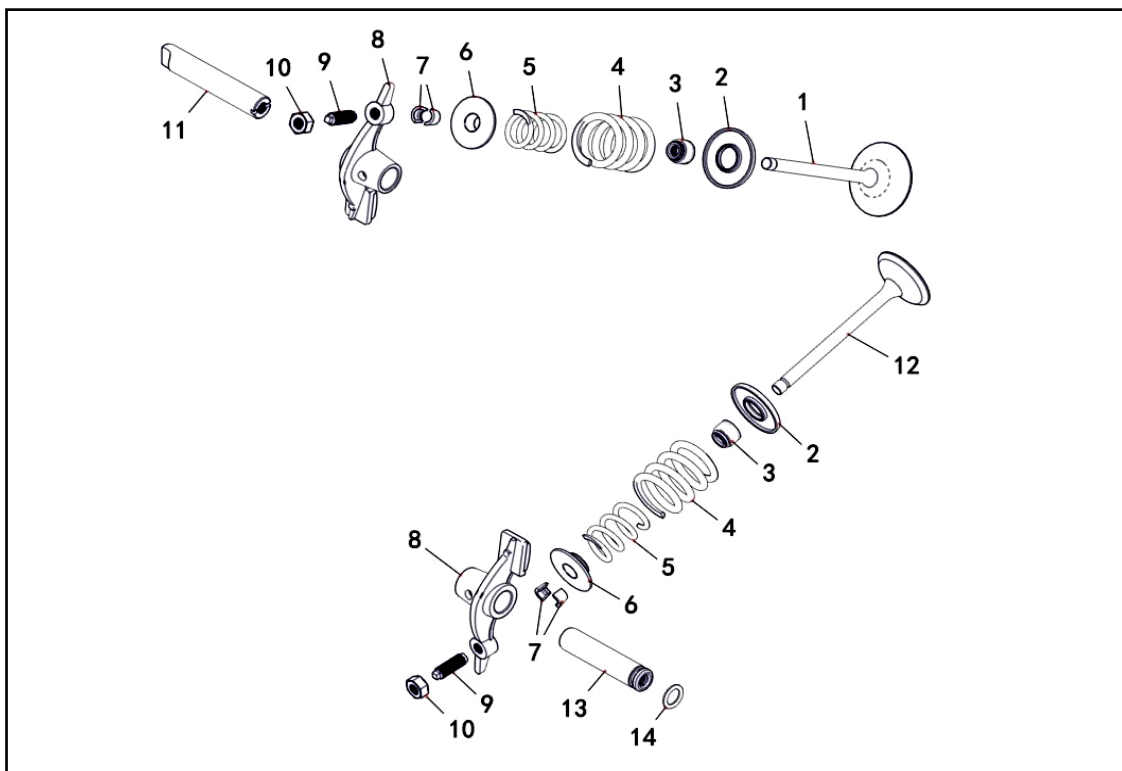
Ref. No.	Part No.	Description	Qty.
1	21102	Seal 50X70X8	2
2	10055	Bolt M8X45	2
3	21111	Vent	1
4	25107	Clamp	1
5	21112	Bearing	1
6	21103	Output cover	1
7	21105	O-ring 176X2.65	1
8	21106	Shim	1
9	10056	Bearing 110	2
10	21110	Ring gear	1
11	25609	O-ring 35.5X3.55	1
12	21104	Dowel pin	1
13	11499	Bolt M8X25	4
14	21124	Seal 25X35X5	1
15	21122	Input cover	1
16	20901A	O-ring 79X2.65	1
17	21120	Retainer 30	1
18	10809	Bearing 6306ST	1
19	21118	Pinion shaft	1
20*	10057	Bushing P23X20X15	1
21*	25769	Drive housing	1
22	25770	Drive housing asm	1
23	21115	Washer	2
24	21114	Oil plug	2
25	83462	Washer	1
26	25771	Speed sensor	1
27	11949	Bolt M8X28	6
28	25717	Rear gearbox assy	1



Ref. No.	Part No.	Description	Qty.
1	25332	Cylinder head assy	1
2	11820	Bolt M6X12	1
3	22810	Gasket 6	1
4	10014	Bolt stud M8X25	2
5	22408	O-ring 95X3.3	1
6	25604	Breather assy	1
7	71358	Clip 13mm	2
8	22423	Pipe breather 1	1
9	10008Y	Bolt socket head M6X20	7
10	22412	O-ring 57.5X2.3	2
11	22410	Valve cover intake side	1
12	22411	Valve cover exhaust side	1
13	35095e	Thermostat	1
14	22902	Thermostat cover	1
15	22914	Hose clamp 2	2
16	22915	Hose 1	1
17	10085	Socket head bolt M6X25	2
18	22414	Nut crown M8	4
19	22415	Washer plate 8	4
20	22419	Plug spark- NGK DR8EA	1
21	35095	Water temperature sensor	1
22	11987	Bolt flange M6X120	2
23	22417	Pin dowel 14X16	2
24	25773	Gasket cylinder head 1	1
25	25774	Cylinder	1
26	22421	Gasket cylinder	1
27	22422	Pin dowel 10X14	2

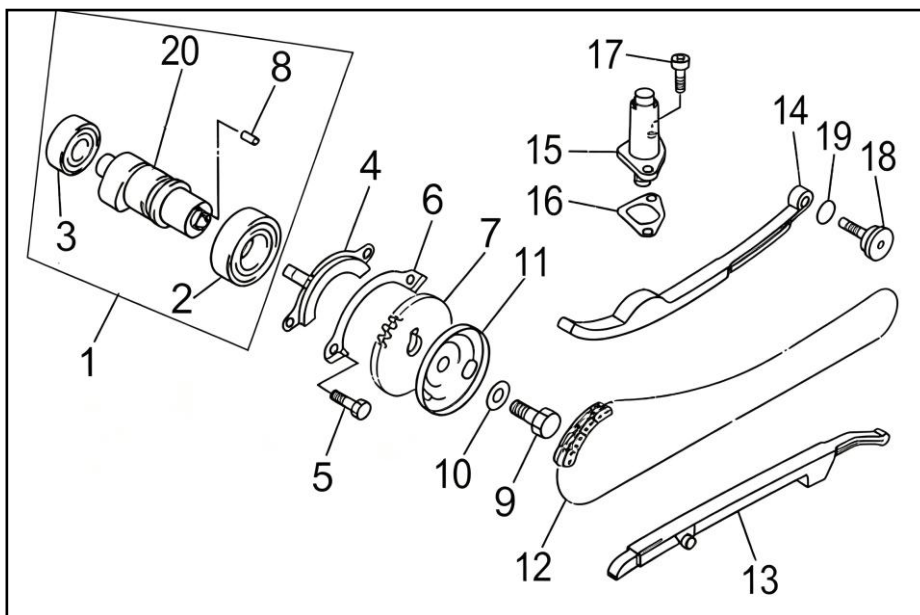


Ref. No.	Part No.	Description	Qty.
1	25775	Crankshaft assy	1
2	22504	Key woodruff	1
3	25776	Piston	1
4	22508	Clip	2
5	25777	Piston pin	1
6	25778	Piston ring assy	1
7	22503	Washer plate 16	1
8	22502	Nut M16X1	1
9	25779	Balance shaft assy	1

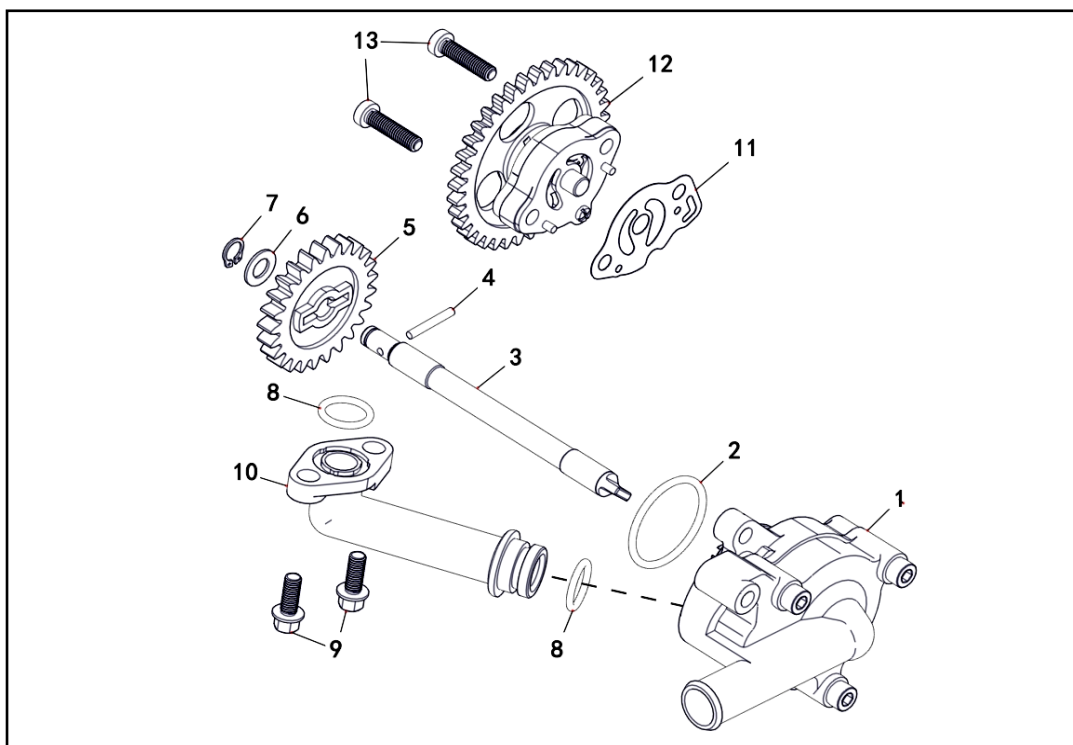


Ref. No.	Part No.	Description	Qty.
1	22601	Intake valve	1
2	22603	Seat spring valve	2
3	22606	Seal valve stem	2
4	22605	Spring valve outer	2
5	22604	Spring valve inner	2
6	22607	Retainer spring valve	2
7	22608	Cotter valve	4
8	22609	Rocker arm valve	2
9	22613	Adjusting screw valve	2
10	22614	Nut M6X0.75	2
11	22611	Intake rocker shaft	1
12	22602	Exhaust valve	1
13	22610	Exhaust rocker shaft	1
14	22612	O-ring 9X2	1

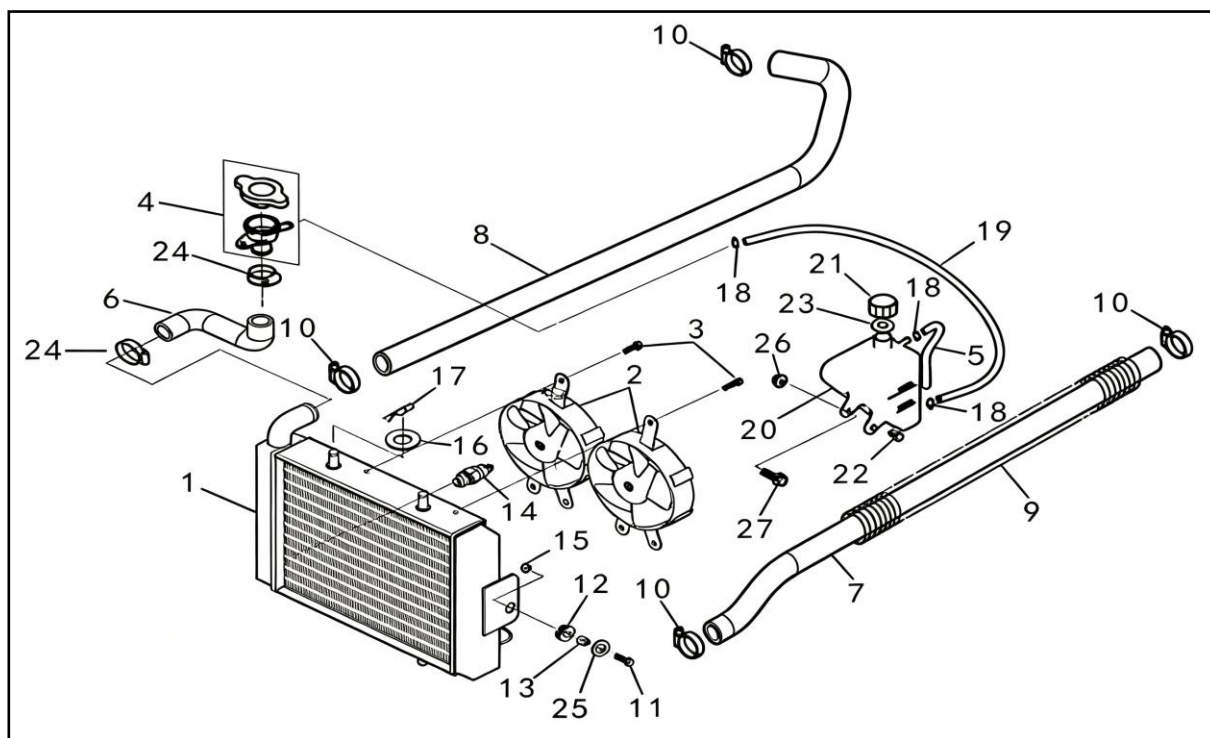
E04-Camshaft Chain



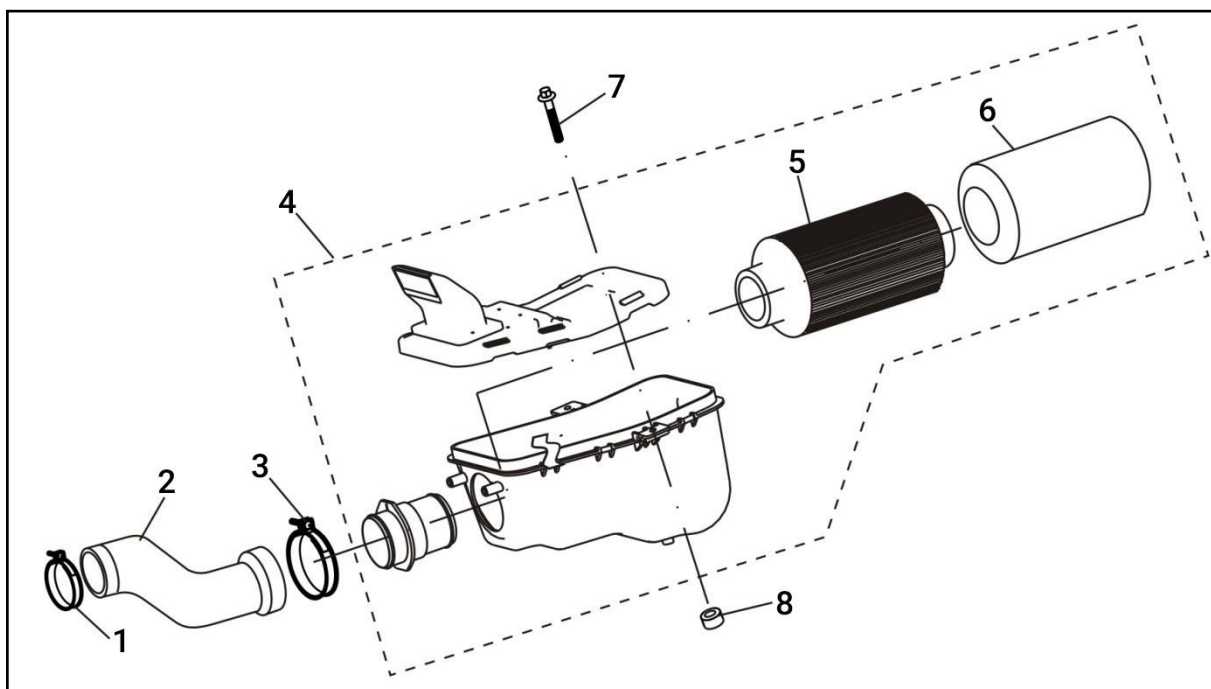
Ref. No.	Part No.	Description	Qty.
1	22701	Camshaft assy 1	1
2*	10012	Bearing	1
3*	10013	Bearing(B6202Z)	1
4	22704	Plate	1
5	11626	Bolt M6X12	2
6	22706	Lock washer	1
7	22707	Cam chain sprocket	1
8*	10024	Dowel pin b4x10	1
9	10025	Bolt M10X1.25X25	1
10	22710	Washer plate 10	1
11	22711	Breather plate 2	1
12	22712	Chain	1
13	22713	Guide stopper 1	1
14	22714	Guide stopper 2	1
15	22715	Cam chain tensioner assy	1
16	22716	Gasket tensioner case	1
17	10036	Socket head bolt M6X14	2
18	22718	Chain tensioner pivot bolt	1
19	22719	O-ring 14.5X1.8	1
20*	22720	Camshaft	1



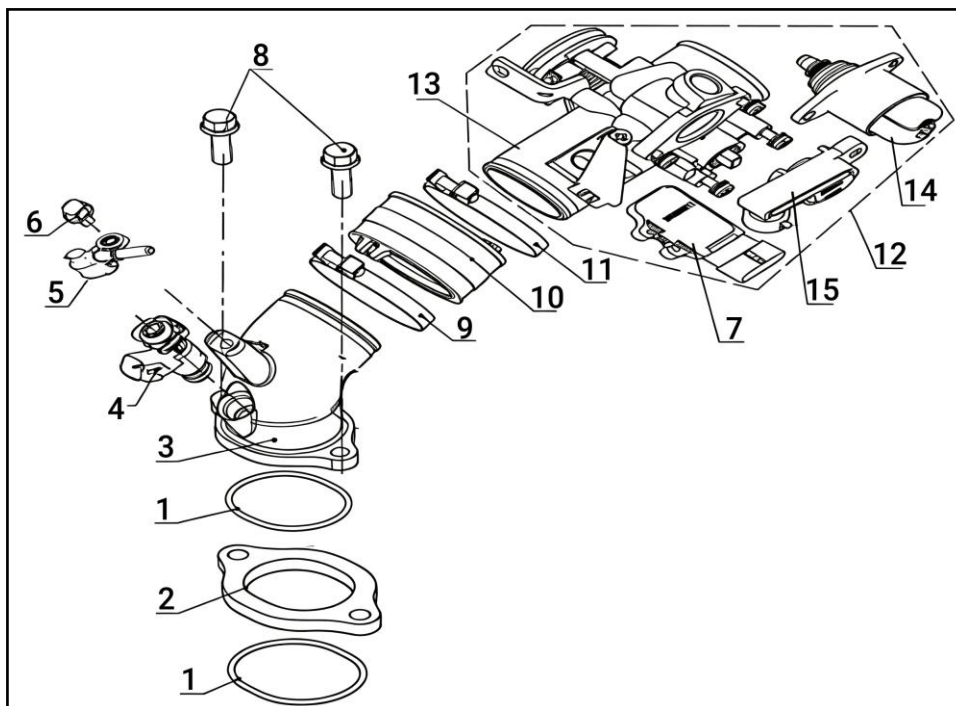
Ref. No.	Part No.	Description	Qty.
1	22820	Water pump assy	1
2	10049	O-ring 33.5X2.65	1
3	22812	Shaft	1
4	10070	Dowel pin C3x22	1
5	22815	Impeller shaft gear	1
6	22814	Washer plate 8	1
7	10072	Circlip 8	1
8	10082	O-ring 15.5X2.5	2
9	11821	Bolt M6X15	2
10	22817a	Joint(ADC12)	1
11	23107	Gasket	1
12	23101	Oil pump assy	1
13	11822	Screw M6X25	2



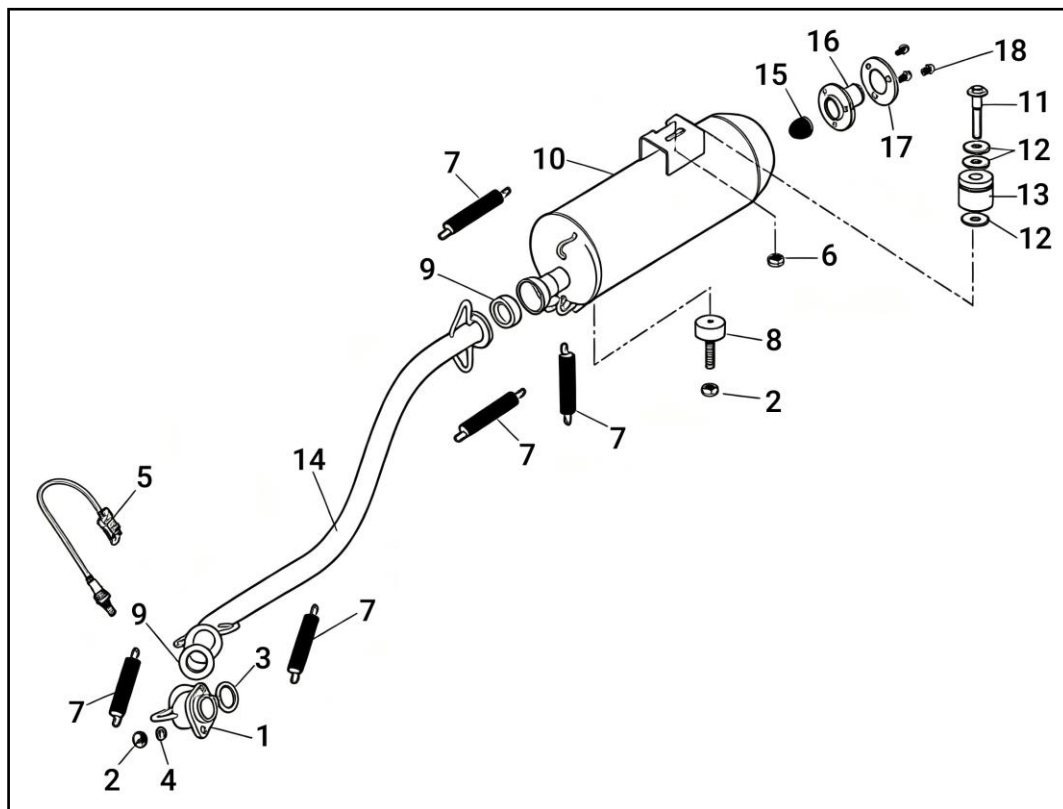
Ref. No.	Part No.	Description	Qty.
1	22904t	Radiator assy (thicker)	1
2	27451	Blower assy (waterproof plug)	2
3	11127	Flange bolt M6X9	6
4	22907a	Safety valve	1
5	70341	Pipe 2	1
6	22909	Radiator filler hose	1
7	25193	Return hose	1
8	22911	Feed hose	1
9	22912	Compression spring	2
10	70140	Clamp 16/27	4
11	10110W	Bolt M6X20	2
12	22917	Radiator side support grommet	2
13	22918	Collar	2
14	71932	Thermostat switch assy used (waterproof plug)	1
15	11475	Nut M6	2
16	10019	Washer plate 10	2
17	11555	Clip 2X20	2
18	22924	Clip	2
19	70342	Pipe 1	1
20	70340	Tank recovery	1
21	70338	Cap	1
22	10140W	Bolt flange M6X12	1
23	70339	Washer	1
24	35343	Clamp 20/32	2
25	11090	Washer plate 6	2
26	11475	Nut M6	1
27	10177W	Bolt M6X40	1



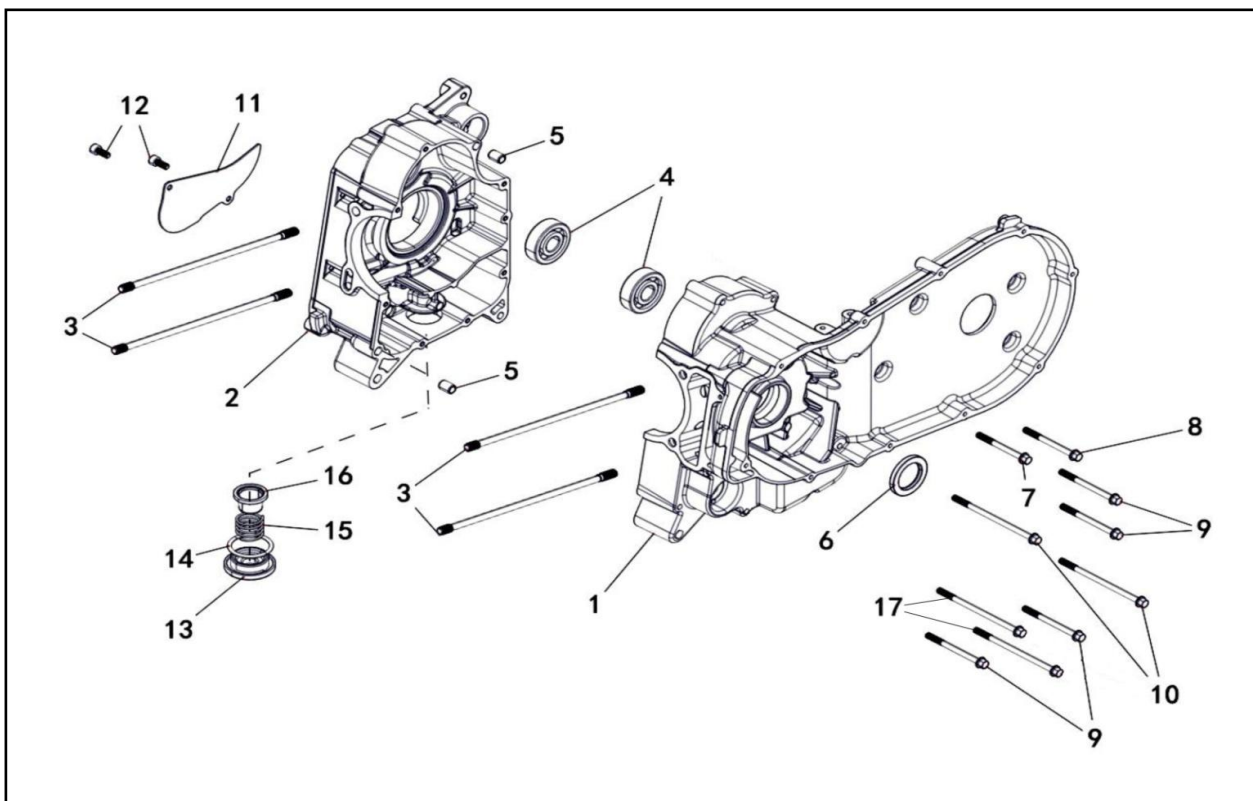
Ref. No.	Part No.	Description	Qty.
1	27695	Hose clamp c	1
2	27696	Air cleaner joint	1
3	23208	Hose clamp b	1
4	32605	Air cleaner assy	1
5	23212	Element comp air cleaner	1
6	23213	Filter cover	1
7	10182B	Bolt M6X30	1
8	46190	Rubber washer	2



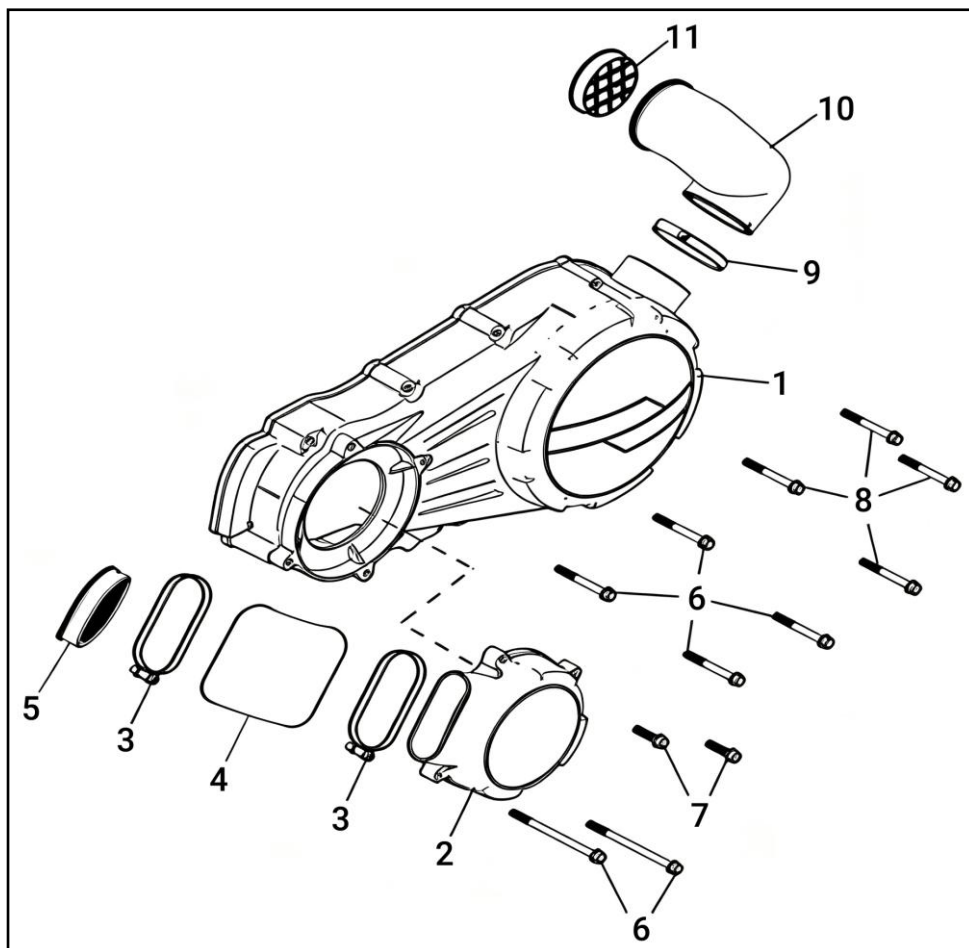
Ref. No.	Part No.	Description	Qty.
1	23202	O-ring 35X2	2
2	27225	Joint	1
3	25780	Feed hose	1
4	27698	Injector	1
5	38320	Injector cap	1
6	10183W	Bolt M6X16	1
7	25659	Temperature pressure sensor	1
8	11444	Bolt M6X25	2
9	27901	Clip 49	1
10	27902	Joint, feed hose	1
11	27903	Clip 53	1
12	25827	Throttle body assembly	1
13	25828	Throttle body	1
14	35930	Throttle stepper motor	1
15	25850	Throttle position sensor	1



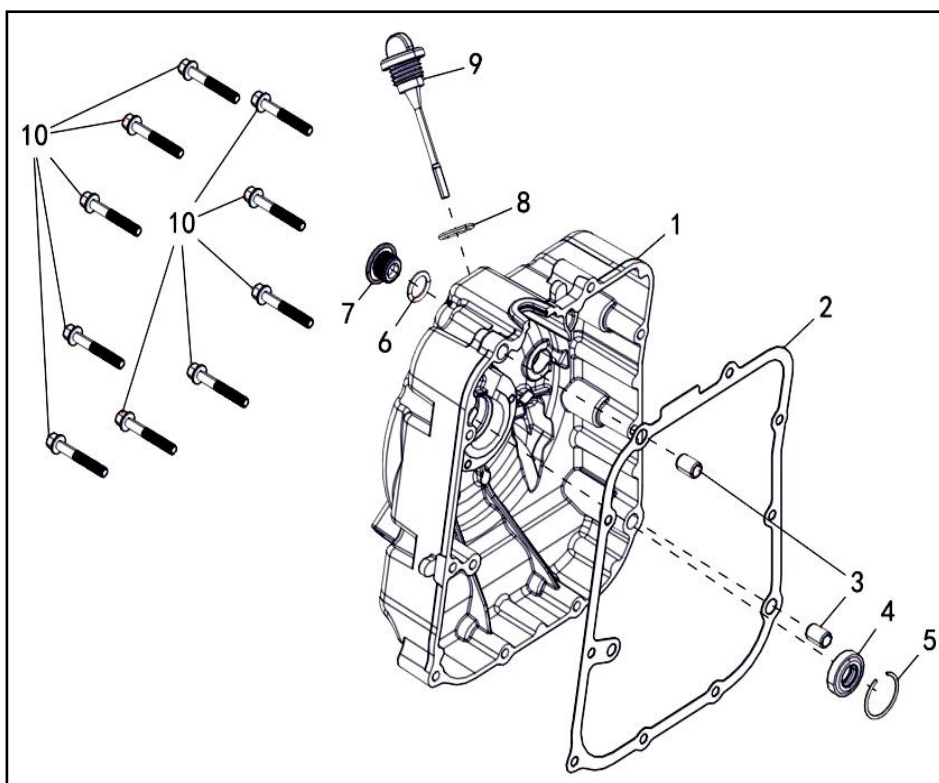
Ref. No.	Part No.	Description	Qty.
1	25792	Exhaust short pipe	1
2	11455	Nut M8	4
3	23403	Exhaust pipe gasket	1
4	11490	Washer 8	2
5	47555	Sensor	1
6	11287	Nut M10X1.25	1
7	23408	Spring 5	1
8	35345	Muffler support bottom	1
9	27911	Joint 2	1
10	32629	Muffler	1
11	10120d	Bolt flange M10X1.25X62	1
12	11035	Washer plate 10	2
13	35344	Muffler support	1
14	32630	Exhaust long pipe	1
15	26363	Spark arrester	1
16	27305	Muffler tail pipe components	1
17	26364	Stopper plate	1
18	10272	Bolt M6X16	3



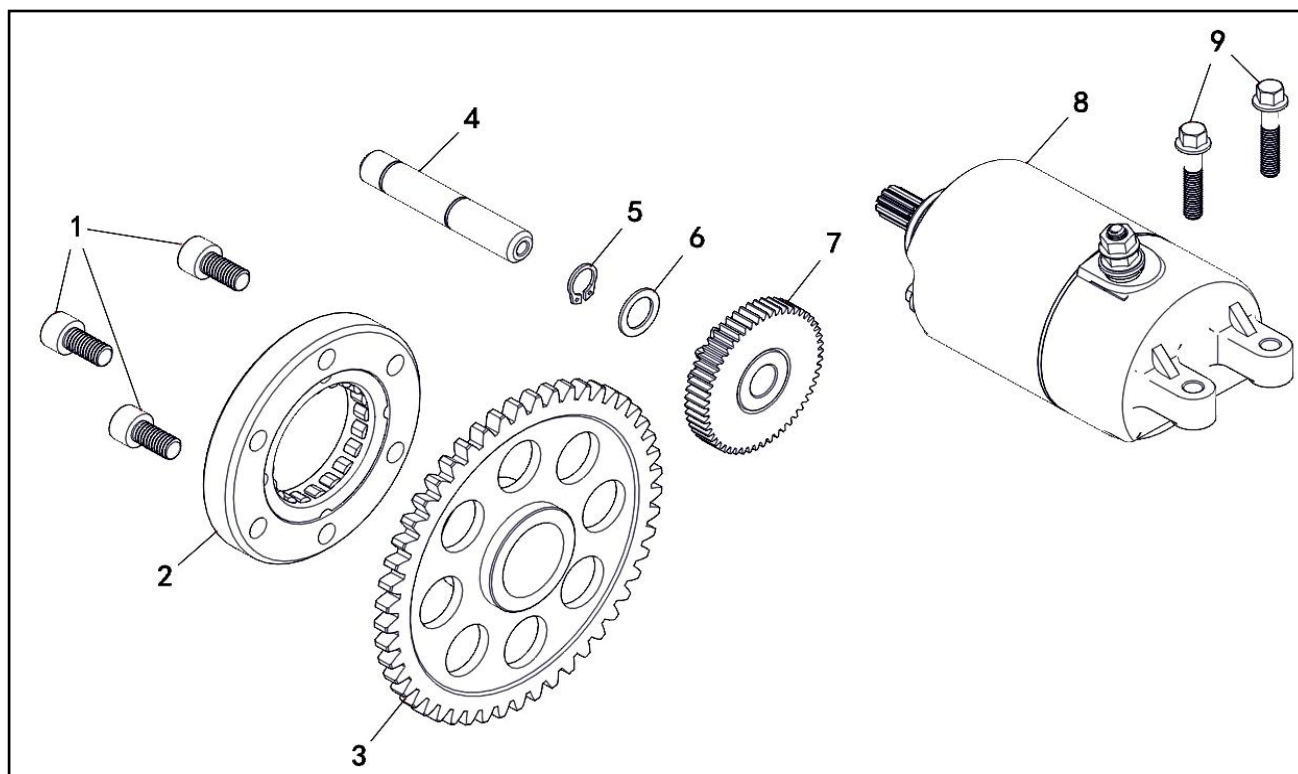
Ref. No.	Part No.	Description	Qty.
1	25781	Left crankcase	1
2	25782	Right crankcase	1
3	23511	Stud bolt M8X25-3.6	4
4	10846	Bearing 6303c3	2
5	22422	Pin dowel 10X14	2
6	23510	Oil seal 30X45X5	1
7	11587	Flange bolt M6X60	1
8	11824	Flange bolt M6X65	1
9	11825	Flange bolt M6X70	4
10	11826	Flange bolt M6X100	2
11	23512	Cover crankcase right	1
12	11827	Socket head bolt M6X14	2
13	23111	Drain plug	1
14	23112	O-ring 36X3.5	1
15	23110	Compression spring	1
16	23109	Oil strainer	1
17	11828	Flange bolt M6X105	2



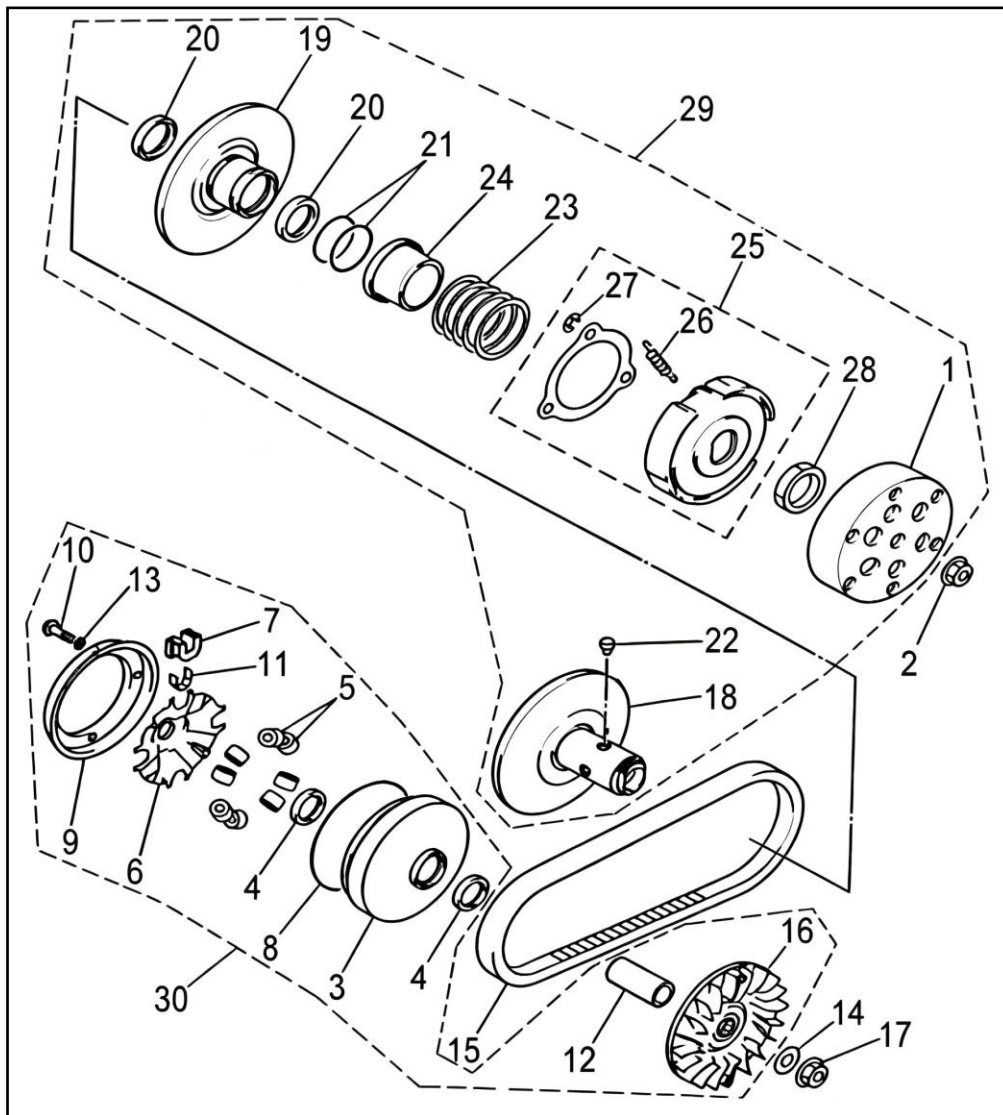
Ref. No.	Part No.	Description	Qty.
1	47525	Left crankcase cover	1
2	47526	Front cover	1
3	23608	Hose clamp a	1
4	25783	Joint b	1
5	23606	Air strainer a	1
6	11956	Flange bolt M6X95	2
7	11539	Flange bolt M6X25	2
8	10918	Flange bolt M6X55	8
9	23603	Hose clamp b	1
10	23604	Joint a	1
11	23605	Air strainer b	1



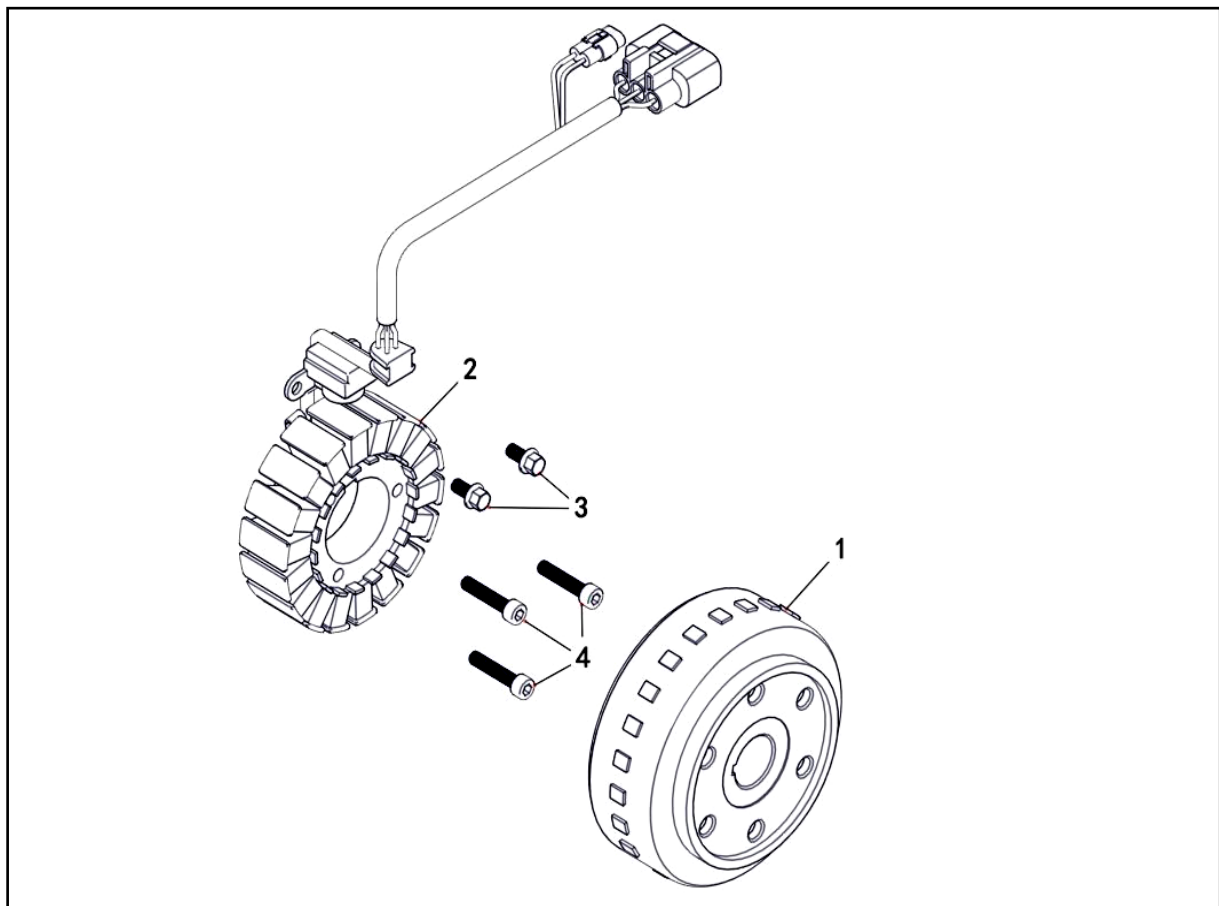
Ref. No.	Part No.	Description	Qty.
1	47527	Right crankcase cover	1
2	47528	Right crankcase cover gasket	1
3	22422	Pin dowel 10X14	2
4	23609	Oil seal 14X27X6	1
5	27644	Clip 27	1
6	10123	O-ring 14X2.65	1
7	23613	Observed cover	1
8	10122	O-ring 18X2.65	1
9	25797	Oil plug	1
10	11829	Flange bolt M6X40	10



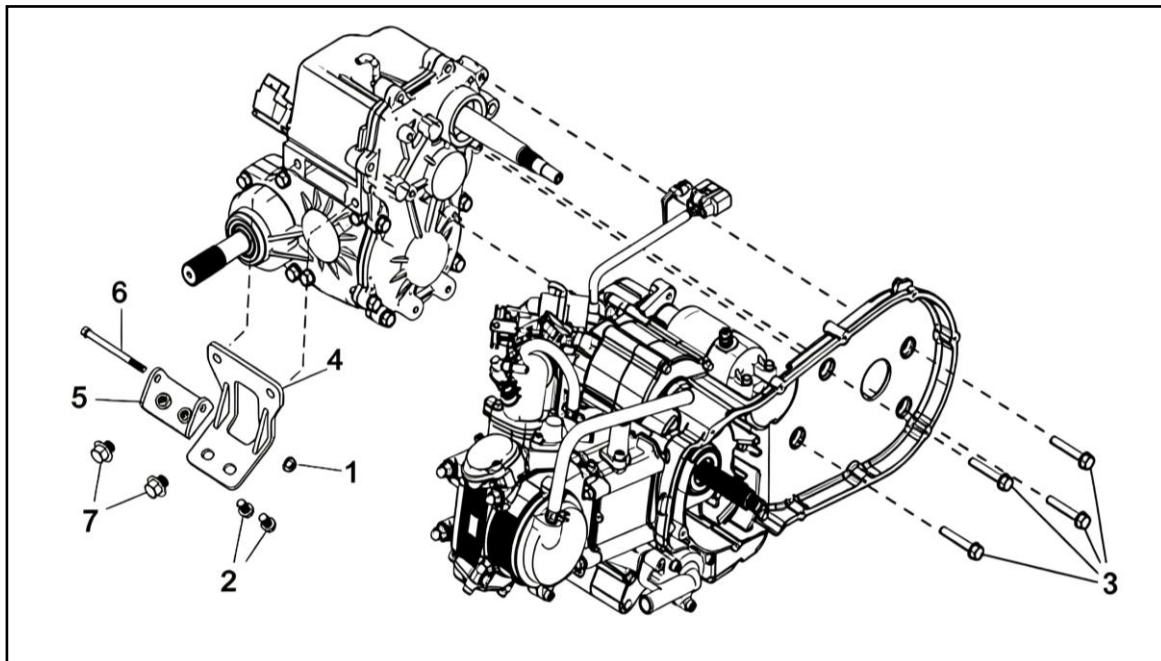
Ref. No.	Part No.	Description	Qty.
1	10749	Socket head bolt M8X16	3
2	23706	Starter clutch	1
3	23705	Gear reduction	1
4	23702	Shaft	1
5	11458	Circlip 12	1
6	23703	Washer 12	1
7	23701	Gear idler	1
8	47531	Starting motor assy	1
9	10187W	Flange bolt M6X40	2



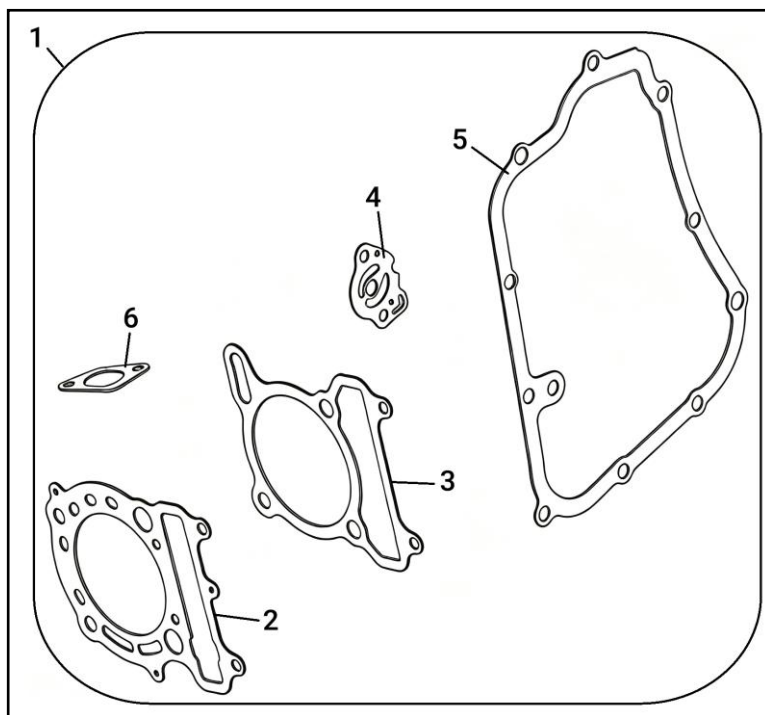
Ref. No.	Part No.	Description	Qty.
1	25614	Clutch housing comp.	1
2	46191	Nut M14X1	1
3	27460	Primary sliding sheave comp	1
4	23804	Oil seal	2
5	27461	Weight	8
6	25615	Cam	1
7	27463	Slider	4
8	27464	O-ring 115X2.5	1
9	27465	Stopper	1
10	11784	Pan head screw M5X12	4
11	27466	Spacer 1	4
12	25616	Collar 1	1
13	23813	Washer plate 4	4
14	47534	Washer plate 14	1
15	23815	V-belt	1
16	25618	Sheave primary fixed	1
17	46191	Nut M14X1	1
18	27469	Secondary fixed sheave comp. include two bearings one oil seal and one circlip	1
19	27470	Secondary sliding sheave	1
20	23820	Oil seal 47X41X4	2
21	27471	O-ring 46.2X2	2
22	27472	Pin guide	4
23	27473	Compression spring	1
24	27474	Seat secondary spring	1
25	25619	Clutch carrier assy	1
26	25643	Clutch weight spring 1	3
27	10133	Circlip 8	3
28	23928	Nut M36X1.5	1
29	25620	Driven assy complete	1
30	25621	Drive assy complete	1



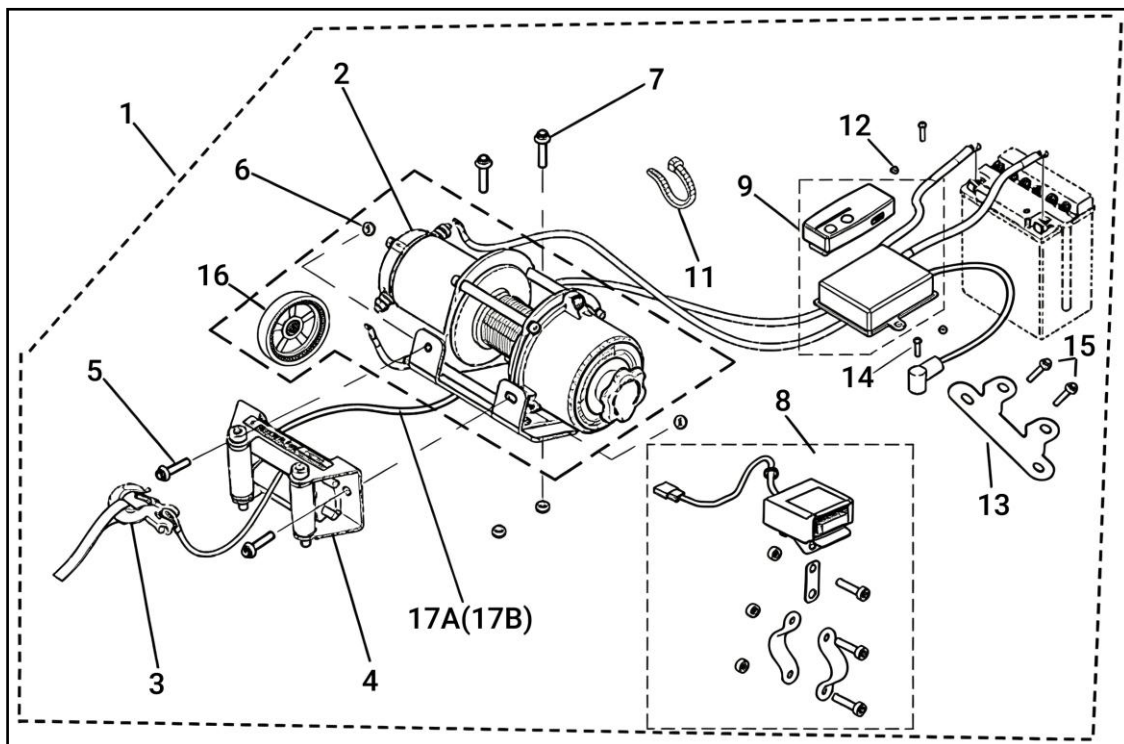
Ref. No.	Part No.	Description	Qty.
1	47529	Rotor assy	1
2	47530	Stator assy	1
3	11827	Bolt M6X12	2
4	11633	Socket head bolt M6X30	3



Ref. No.	Part No.	Description	Qty.
1	11834	Jam nut (Right)	1
2	11835	Bolt M10X1.25X28	2
3	11830	Bolt M8X55	4
4	25785	Engine connecting plate 1	1
5	25786	Engine connecting plate 2	1
6	11833	Bolt M12X20	1
7	11831	Bolt M12X20	2



Ref. No.	Part No.	Description	Qty.
1	25787	Gasket assy 1	1
2	25773	Gasket cylinder head	1
3	22421	Gasket cylinder	1
4	22716	Gasket tensioner case	1
5	47528	Right crankcase cover gasket	1
6	23107	Gasket	1



Ref. No.	Part No.	Description	Qty.
1	38707	Tractor assy	1
2	73544	Tractor	1
3	73545	Tow hook	1
4	73546	Slideway	1
5	11492	Hexagon flange bolt M8×20	2
6	10794	Prevailing torque type all-metal hexagon nut M8	4
7	11466	Hexagon flange bolt M8×25	2
8	36492	Switch	1
9	38708	Controller and remote control	1
11	72301	Tie	1
12	11711	Nut 5	2
13	37126	Controller bracket (for t3 EFI)	1
14	11640	Bolt M5×25	2
15	10183W	Bolt M6×16(for t3 EFI)	2
16	80461	Plate of winch	1
17A	35943	Wire rope	1
17B	35944	Nylon rope	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