



FUV
2022 OWNER'S MANUAL



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SAFETY WARNING!

Read, understand, and follow all of the instructions and safety precautions in this Owner's Manual and on all product labels. Failure to follow the safety precautions could result in serious injury or death.

NOTICE

The FUV is NOT a car. The FUV complies with Federal Motor Vehicle Safety Standards (FMVSS) and regulations of the United States Department of Transportation (DOT) applicable to motorcycles in the USA. The FUV does NOT comply with Federal Motor Vehicle Safety Standards (FMVSS) and regulations of the United States Department of Transportation (DOT) applicable to passenger cars and multi-purpose passenger vehicles in the USA.

About This Owner's Manual

For the safe and enjoyable operation of your FUV, be sure to follow the instructions and recommendations in this Owner's Manual.

Keep this Manual with the FUV, especially when ownership changes. If your Owner's Manual is misplaced or damaged, please obtain a replacement from Arcimoto.

- If you have questions about the operation or maintenance of your FUV after you've read this Owner's Manual, please contact Arcimoto.
- All references in this Owner's Manual to RIGHT, LEFT, FRONT or REAR are from the operator's perspective when seated in the driver's seat.
- Keep this Owner's Manual in the FUV so you'll have it handy when you ride.
- Owner's Manual Part number: **006290**
- Owner's Manual Doc ID: **P10001**
- Revision information: Rev **0**. For the most up-to-date version of this Owner's Manual, visit www.arcimoto.com.

Vehicles Covered By This Owner's Manual

- 2022 FUV

The vehicle in this Owner's Manual is covered by one or more patents listed at <https://www.arcimoto.com/patents>.

Safety Symbols

The following symbols appear throughout this Owner's Guide. Your safety is involved when these words and symbols are used:



This symbol is located in various locations on the FUV to inform you that exposure to internal electrical hazards can cause shock, burns, blindness and even death.



DANGER

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



WARNING

WARNING indicates a hazardous situation which, if not avoided, COULD result in serious injury.



CAUTION

CAUTION indicates a hazardous situation which, if not avoided, COULD result in minor to moderate injury.

NOTE

NOTE provides key information by clarifying instructions.

Zero-Emissions Vehicle (ZEV)

The FUV is a freeway-capable zero-emissions vehicle (ZEV) under U.S. Federal (EPA), California Air Resources Board (CARB), and European Union standards. The FUV runs solely on electricity; it uses no gasoline or other liquid fuel, and has no tailpipe, exhaust or evaporative emission.

The ARCIMOTO VEHICLE EMISSION CONTROL INFORMATION decal is located on the right-side of the Battery Bay.

Customer Support Contact Information

If you need technical assistance with your FUV, please contact the Arcimoto Service Department for support:

Product Support: **(541) 780-0032**

support@arcimoto.com

Emergency Roadside Assistance: **(866) 235-3920**

For general questions, contact Arcimoto at **(541) 683-6293**, or email info@arcimoto.com.

Table of Contents

Safety	15
High Voltage Safety Information	15
Electrical System	16
Batteries	17
Drive Conditions	19
General Safety Warnings	21
Risk of Damage	22
Safe Driving Practices	23
FUV vs. Other On-Road Vehicles	24
Obey All Driving Laws	25
Modifications	26
Maintenance	27
Gross Vehicle Weight Rating	28
Labels	29

Child Safety	30
Automatic Shutoff	31
If the FUV Is In an Accident	31
Online Resources	33
Getting Started	35
1) Buckle Up	35
2) Put the FUV in Neutral	35
3) Turn the FUV ON	35
4) Start the FUV	37
5) Drive	39
If the FUV Doesn't Start	40
Parking and Shut Down	41
Post-Drive	41
Keyless Startup	42
Pairing the FUV To a Bluetooth-Enabled Device	42
Controls	43

Key Switch	44
Left Hand Controls	46
Right Hand Controls	48
Brake Pedal	52
12V Accessory Power Socket	53
Control Panel	55
Display	61
Display: OFF State	61
Startup Screens	62
Display: ON (Drive Screen)	65
Drive Screen - Main Elements	67
Drive Screen - Warning Messages	72
Charging Screen	75
Configuration Screen	76
Display Brightness	78

Screen Saver Mode	79
Working With PINs	81
Setting a User PIN	81
Starting the FUV Via PIN	84
Shutting the FUV Off after Starting it with a PIN	84
Seat Belts	85
Fastening the Seat Belts	86
Verify a Proper Fit	86
Releasing the Seat Belts	87
Inspecting the Seat Belts	87
Cleaning the Seat Belts	88
Seat Belts - Warnings	88
Wearing Seat Belts When Pregnant	89
Seat Belts - Children	90
Exterior Components	93

Charging Port	93
Mirrors	94
Windshield and Roof	94
Rear Cargo Deck	95
Lockable Rear Storage Compartment (Optional)	96
Removable West Coast Doors(Optional)	98
Pre-Ride Inspection	103
Electrical	103
General	104
Operation	107
Before You Start	107
New Vehicle Break-In Procedure	107
Fasten Seat Belts	107
Turn the FUV ON	108
START the FUV	108

Release the Parking Brake	110
Get In Gear	111
Accelerating and Decelerating	111
Braking	112
Kinetic Energy Recovery System ("KERS")	113
Driving in Reverse	115
Parking and Shut Down	116
Turn the FUV OFF	117
Extended Range Mode	117
Proper Use of Extended Range Mode	119
Cold Weather - Best Practices	120
Charging	121
Level 1/Level 2/Level 3	121
Charging the FUV	122
Plug It In!	125
Charging - IMPORTANT SAFETY INSTRUCTIONS	125

Grounding Instructions	128
Charging Conditions	128
Maintenance and Cleaning	131
Tire Information	131
Tire Inspection	132
Tire Wear	132
Tire Inflation	133
Wheel Maintenance	135
Battery Maintenance	135
Cleaning	136
Elevating the FUV	142
Wheel Removal and Replacement	147
Transporting the FUV	149
Safety Fuse Access	151
Manually Resetting the 12V System	152
Charging the 12V Battery	158


Storage	161
Storage Mode: Overview	161
Storage Requirements	161
Recovering the FUV From Storage Mode	165
Specifications	167
Routine Maintenance Schedule	171
Consumer Information	177
Change of Address	177
24/7 Nationwide Roadside Assistance	177
Warranty	178
Reporting Safety Defects	179
Vehicle Telemetry	179
FCC Part 15 Class B	180
California Proposition 65 - Electric Vehicles	181

First Responder Information	183
DISABLING the HV SYSTEM	183


Safety

Please read this manual carefully and completely before operating this FUV. Do not attempt to operate this FUV until you have attained adequate knowledge of its controls and operating features, and until you have been trained in safe and proper riding techniques.

Regular inspections and proper maintenance, along with good riding skills, help you safely enjoy your FUV. Disregarding the aforementioned, however, may render the warranty invalid.

 WARNING
Failure to follow recommended precautions and procedures could result in severe injury or death. Always heed all safety precautions and follow all operation, inspection and maintenance procedures outlined in this Owner's Manual.

High Voltage Safety Information

	<p>DANGER: Exposure to high voltage can cause shock, burns, and even death. The high voltage components in the vehicle can only be serviced by Arcimoto authorized service technicians. High voltage components are identified by labels. Do not remove, open, take apart, or modify these components.</p> <p>High voltage cable or wiring has orange covering or labels. Do not touch, probe, tamper with, cut, or modify high voltage cable or wiring.</p>
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This vehicle has two non-serviceable high voltage battery modules, and a standard 12V battery.

If the FUV is in a crash, the sensing system may shut down the high voltage system. When this occurs, the high

SAFETY

voltage battery modules are disconnected and the vehicle will not start.

A system warning message is shown on the Display. Before the vehicle can be operated again, it must be serviced by a trained Arcimoto technician.



WARNING

Damage to the high voltage battery modules or high voltage system can create a risk of electric shock, overheating, or fire.

If the FUV is damaged from a moderate to severe crash, flood, fire, or other event, the vehicle should be inspected as soon as possible. Until the vehicle has been inspected, store it outside at least 50 ft (15 m) from any structure or flammable objects.

Contact Arcimoto Product Support at (541) 780-0032 as soon as possible to determine whether an inspection is needed.

Refer to page [183](#) for first responder information.

Only a trained Arcimoto service technician with the proper knowledge and tools should inspect, test, or replace the high voltage battery modules.

Contact Arcimoto Product Support at (541) 780-0032 if the high voltage battery modules or 12V battery needs service.

Electrical System

There are no user-serviceable parts inside the FUV. Do not attempt to access internal components under any circumstance. If you remove components from the FUV or attempt to modify or repair any parts on the FUV, you may put yourself in danger and void the FUV's warranty.

If you ever have any questions or concerns regarding the electrical system in your FUV, contact Arcimoto Product Support at (541) 780-0032.

DANGER OF ELECTRIC SHOCK



DANGER: DO NOT modify components in the FUV's electrical traction system or touch damaged components - doing so may result in serious injury or death. Note that the components in the FUV's electrical traction system may be damaged in an accident, although the damage is not visible.

Disassembling, removing or replacing electrical components, cables or connectors can cause severe burns or electric shock that may result in serious injury or death.

Cables that carry a potential arc-flash risk are colored orange for easy identification. There is a risk of fatal injury.

Batteries

Two non-serviceable high voltage battery modules are located within the Battery Bay (in the lower portion of the chassis).

These battery modules require no owner maintenance and have no parts that an owner or a non-Arcimoto authorized service technician can service.



DANGER: DO NOT open the Battery Bay or touch the Battery Modules or any internal components. Doing so exposes you to potential arc- flash risk, electrocution, and voids the warranty.

There is a risk of fatal injury.

The FUV also uses a standard 12V battery.

If you ever have any questions or concerns regarding the Batteries in your FUV, contact Arcimoto Product Support at **(541) 780-0032**.

SAFETY

Battery Management System (BMS)

The FUV uses a Battery Management System (BMS) to monitor the condition of the HV Batteries, and optimize Battery performance, range, and life.

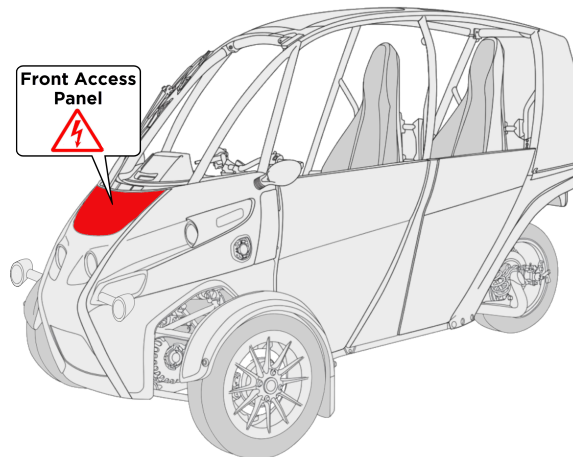
The BMS safeguards the HV Batteries by means of safety interlocks. These interlocks turn off or control certain operations that could damage the power pack. The BMS also monitors the HV Batteries for a host of predefined conditions, and then takes appropriate action.

Front Access Panel

The Front Access Panel can be removed to access the windshield wiper fluid remote fill neck (see page [138](#)).

However, be aware that there are several high-voltage components behind the Front Access Panel. These include inverters and high-voltage cables and connectors.

All high-voltage components are protected by a plastic safety screen. However, it is important to exercise caution any time the Front Access Panel is removed.



DANGER: DO NOT reach behind the plastic safety screen. There are no user-serviceable parts, and doing so exposes you to potential arc-flash risk, electrocution, and voids the warranty. There is a risk of fatal injury.



DANGER: DO NOT allow any metal objects (including but not limited to tools and jewelry) inside the front access portal or near any of the internal components. Doing so exposes you to potential arc-flash risk, electrocution, and voids the warranty.

There is a risk of fatal injury.

Drive Conditions

To avoid a loss of control that could result in injury or death, heed all of the following drive conditions:

NEVER:

- NEVER drive the FUV if you are under the age of 16 or without an appropriate driver's license. Note that state regulations vary for 3-wheeled vehicles. Review your local laws regarding the operation of a 3-wheeled motorcycle.
- NEVER drive the FUV if you are fatigued, or under the influence of drugs or alcohol. Fatigue, alcohol,

and drugs (including some over-the-counter drugs) can cause drowsiness, loss of coordination and loss of balance. They can also affect your awareness and judgment.

- NEVER drive the FUV unless all occupants are able to sit with backs against the seats and feet firmly on the floorboard with seat belts fastened.
- NEVER allow children under the age of 12 years to drive or ride in the FUV.
- NEVER leave children unattended in a parked or standing FUV.
- NEVER allow persons who weigh less than 88 lbs or those who are less than 4'-11" tall (regardless of age) to drive or ride in the FUV.
- NEVER drive the FUV with a child seat or booster seat installed. See page [85](#) for details.
- NEVER drive the FUV while distracted. While driving, it is dangerous to engage in any activity that is not directly related to the safe operation of the FUV.

SAFETY

- NEVER drive the FUV while using a mobile phone or other personal electronic device. Note that the term "personal electronic device" includes, but is not limited to, cell phones, tablets, laptops, two-way messaging devices, and electronic games.

Driving the FUV while distracted can result in loss of vehicle control, accident and injury or death.

Use a phone holder (not included), and set your phone to hands-free mode.

Otherwise, stop in a location where you can safely remain stationary *before* using a mobile phone or other personal electronic device.

Note that Arcimoto offers an optional handlebar phone mount (002072).

- NEVER drive the FUV off-road.
- NEVER drive the FUV with more than one passenger. Only allow one passenger to ride in the passenger seat with seat belts fastened.
- NEVER carry persons or animals on any outside part of the FUV.

- NEVER drive the FUV with weight (riders and cargo) that exceeds the GVWR of 1800 lbs (816.5 kg).

Note that the maximum amount of weight that can be added to the FUV (including passengers and cargo) without exceeding the GVWR is 500 lbs (226.8 kg). See page [15](#) for details.

- NEVER use the seatbelts to secure anything other than a human passenger.
- NEVER allow the FUV to stand unattended without first placing the FUV in Neutral, setting the Parking Brake, turning the ignition to OFF and removing the Key.

If the FUV is standing upon any perceptible grade, turn the front wheels to the curb or side of the roadway.

ALWAYS:

- ALWAYS wear your seat belts. The FUV is not equipped with airbags. See page [85](#) for details on using the seat belt system.
- ALWAYS reduce speed on wet or slippery surfaces.
- ALWAYS keep both hands on the handlebars when driving.
- ALWAYS keep hands, arms and feet inside the vehicle.
- ALWAYS be aware of your surroundings and driving conditions. Be especially cautious at intersections, where accidents often occur.
- ALWAYS be prepared for changing weather conditions and dress accordingly.
- ALWAYS make sure a passenger reads and understands all safety labels.

General Safety Warnings

- Exercise care when parking along curbs and reduce speed if possible when approaching unavoidable potholes and / or road debris.
- Since the FUV has a single, centered rear wheel, “straddling” obstacles with the front tires increases the likelihood that you will encounter the obstacles with the rear tire.
- If you experience a wheel impact, such as hitting a curb, a large pothole or road debris, have your tires and rims inspected immediately.
- Make sure all cargo and other items in the rider compartment are properly secured before operating.
- Avoid wearing long scarves and clothing that may trail outside the rider compartment.

SAFETY

Risk of Damage

There is a risk of damage if:

- The FUV becomes stuck, e.g. on a high curb or an unpaved road.
- The FUV is driven off-road.
- The FUV is driven too fast over an obstacle such as a curb, speed bump or pothole.
- A heavy object strikes the underbody or chassis.

In such scenarios, the frame, underbody, body parts, wheels or tires could be damaged without the damage being visible.

Impacts to the frame, underbody and body parts may cause hidden damage that may not be noticeable during operation. Components damaged in this way can potentially fail.

In this case, have the FUV checked by an authorized Arcimoto Service Technician immediately.



WARNING

Impacts to wheels or tires may cause damage that could cause tire or rim failures, possibly resulting in accidents causing serious injury or death. If in doubt regarding possible damage, have the tire and wheel checked by an authorized Arcimoto Service Technician or tire professional immediately.



WARNING

If a seat belt is worn during a crash or collision, it must be replaced by authorized Arcimoto technicians even if damage is not obvious. After an accident, in addition to replacing seat belts which were in use, Arcimoto will also carefully inspect all seat belt attachment points for deformation or cracks.

If your FUV has been damaged, contact Arcimoto Product Support at (541) 780-0032 for help.

Safe Driving Practices

The FUV is a high-performance vehicle. Practice accelerating and stopping before heading out for your first ride.



CAUTION

It is the responsibility of the operator to learn and obey all country, federal, state, and local laws governing the operation of a 3-wheeled motorcycle.

The FUV is quiet - people may not hear you coming, so be aware, and use the horn as needed to alert others of your presence.



CAUTION

Always turn the FUV off when not in use. Because the FUV is silent, it may not be obvious that the vehicle has been started.

Operating an FUV Has Inherent Risks

You can minimize those risks, but you cannot eliminate them completely. Even if you are an experienced 3-wheel vehicle operator or passenger, read all of the safety information in this Owner's Manual before operating the FUV.

- Take a 3-wheel vehicle rider course from the Motorcycle Safety Foundation or another qualified instructor. The course teaches effective turning and braking techniques, traffic strategies and evasive maneuvers, in addition to general safe riding habits.

To locate a rider course in your area, contact the Motorcycle Safety Foundation at 1-800-446-9227 or visit their web page at www.msf-usa.org.

You may also contact the motorcycle regulatory agency in your area of operation.

SAFETY

NOTE

For our Oregon based customers, Arcimoto recommends training with "[Team Oregon](#)" (an authorized MSF (Motorcycle Safety Foundation) equivalent school for the state of Oregon). Visit their website or ask your Arcimoto sales representative for details.

- Until you are familiar with the FUV and all of its controls, practice driving and braking at moderate speeds in a safe area before driving in traffic.
- Ride defensively, as if you are invisible to other motorists, even in broad daylight. Smaller profile vehicles such as the FUV may not be immediately seen and recognized by some motorists, which can lead to accidents. Ride where you're clearly visible to other motorists, and observe their behavior carefully. Always be prepared to take evasive action.
- Know your skills and limits, and ride within them.

FUV vs. Other On-Road Vehicles

The FUV handles differently than 2-wheel motorcycles, other 3-wheel vehicles and 4-wheel vehicles. The following points help to underscore the differences.

How Does the FUV Differ From 2-Wheel Motorcycles?


- Low center of gravity
- Front suspension and steering
- Seat belts for both riders
- Lighting
- One rear wheel and two front drive wheels

Unique Handling Characteristics of the FUV Include

- More stability in turns
- Vehicle stability at rest
- Flat cornering

- Turns in direction of steering
- Quick response to steering changes
- Like all vehicles, the FUV can hydroplane when encountering water on the driving surface. Every vehicle has a unique hydroplane speed and response, driven by vehicle weight, tire configuration and tire condition.

The FUV may hydroplane at lower speeds and react differently to hydroplaning than other motorcycles and cars.

 WARNING
Failure to operate the FUV properly can result in a collision, loss of control, accident or rollover, which may result in serious injury or death. Read and understand all safety warnings outlined in this Owner's Manual.

Obey All Driving Laws

Motorcycle helmets and a motorcycle license or endorsement may be required in your area for legal operation of the FUV. Follow the laws of your state. A state-by-state guide to motorcycle laws is provided online by the Motorcycle Legal Foundation at:

<https://www.motorcyclelegalfoundation.com/state-by-state-guide-to-motorcycle-laws/>

NOTE
The information on this website pertains to the requirements for two-wheeled motorcycles. The requirements in your state may differ for three-wheeled motorcycles and autocycles. Please check your specific state requirements

The driver's primary responsibility is the safe operation of the vehicle. Driving while distracted can result in loss of vehicle control, resulting in a collision and personal injury.

SAFETY

Use of any electrical devices, such as cellular telephones, computers, portable radios, vehicle navigation or other devices, by the driver while the vehicle is moving is dangerous and could lead to a serious collision.

Texting while driving is also dangerous and should never be done while the vehicle is moving. If you find yourself unable to devote your full attention to vehicle operation, pull off the road to a safe location and stop your vehicle.

Some states or provinces prohibit the use of cellular telephones or texting while driving. It is always the driver's responsibility to comply with all local laws.

Modifications

Only modify the FUV using genuine Arcimoto parts and accessories.



WARNING

Do not install electrical accessories that exceed the capacity of the FUV's electrical system. For example, never install higher wattage light bulbs than those supplied as original equipment. An electrical failure could result and cause hazardous loss of engine power or lights, or damage to the electrical system.

Modifying the FUV by removing any equipment, or by adding equipment not approved by Arcimoto may void your warranty.

Such modifications could also make the FUV unsafe and could result in severe injury or death to operator or passenger, as well as damage to the vehicle. Some modifications may not be legal in your area of operation.

Some modifications could also render the vehicle non-compliant. If in doubt, contact Arcimoto Product Support at **(541) 780-0032** for help.

Maintenance

Careful periodic maintenance will help keep your vehicle in the safest, most reliable condition.

All periodic maintenance should be performed at the recommended intervals outlined in the *Routine Maintenance Schedule* on page [171](#), by an authorized Arcimoto Service Technician.

Contact Arcimoto Product Support at **(541) 780-0032** for help with locating your nearest Arcimoto Service Technician.

- Always maintain proper tire pressure, tread condition, wheel and tire balance.
- Inspect tires regularly and replace worn or damaged tires promptly. Use only Arcimoto approved replacement tires.
- See page [131](#) for additional details regarding tires.

Tire Information	
Approved Tires	Continental ContiEcoContact EP
Size:	Front: 145 / 65R15 Rear: 175 / 55R15
Recommended cold inflation pressure (all tires):	35 psi
Minimum Tread Depth (all tires):	2/32" (1.6 mm)

- Fasteners must meet original specifications for quality, finish and type to ensure safety. When inspection reveals the need for replacement parts, always use genuine Arcimoto parts. Ensure that all fasteners are tightened to the proper torque.

SAFETY

Gross Vehicle Weight Rating

The Gross Vehicle Weight Rating (GVWR) represents the maximum weight that can be safely managed by the FUV. The GVWR includes the FUV itself, plus all passengers, cargo, and any other items that are carried on-board.



WARNING

NEVER exceed the Gross Vehicle Weight Rating of the FUV. Exceeding the GVWR can reduce stability and handling or affect braking capabilities, leading to a loss of control, which may result in serious injury or death.

When determining the total weight of the FUV, and to ensure you do not exceed the maximum load capacity, include the following:

- Operator body weight
- Passenger body weight
- Weight of any installed accessories
- Weight of any additional cargo on the vehicle

Steps for Determining the Correct Load Limit

- (1) Locate your vehicle's Gross Vehicle Weight Rating (GVWR) on the Safety Compliance Certification Label or page [167](#).
- (2) Determine the combined weight of the driver and passenger that will be riding in your vehicle.
- (3) Add the combined weight of the driver and passenger to the vehicle curb weight (see *Specifications* on page [167](#)).
- (4) Subtract the amount calculated in Step 3 from the GVWR.
- (5) The resulting figure equals the available amount of cargo and luggage load capacity.

For example, if the GVWR equals 1800 lbs, the curb weight equals 1300 lbs, and there will be two 160 lb passengers in your vehicle, the amount of available cargo and luggage load capacity is 180 lbs.

$$1800 - (1300 + (2 \times 160)) = 180 \text{ lbs.}$$

(6) Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 5. Also note that the weight on the cargo deck lid should never exceed 30 lbs.



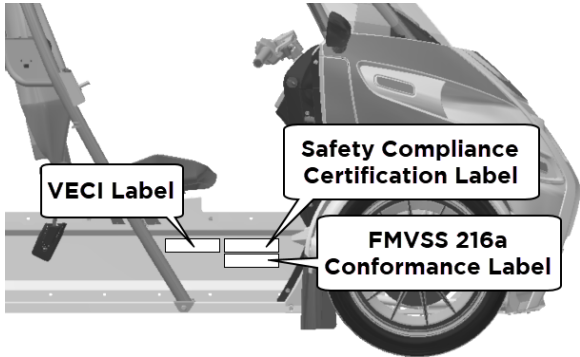
WARNING

Never tow a trailer with your FUV. It was not designed or intended to tow a trailer. Death or serious injury can occur.

Note that even within the safe weight capacity limits, adding a substantial amount of weight to the FUV will affect its driving characteristics, especially in tight cornering situations.

Exercise caution anytime the FUV is loaded to near capacity.

Labels



The VECI Label is provided on a permanent decal located on the right side of the Battery Bay. Do not remove this decal - it is required by the EPA.

Safety Compliance Certification Label

The Safety Compliance Certification Label is located on the right side of the Battery Bay.

SAFETY

This label provides the vehicle's VIN number as well as manufacturer information, weight ratings (GVWR and GAWR), and tire inflation pressure information.

Do not alter or remove this label; it is the primary legal identifier for your FUV.

NOTE

The VIN number is also permanently riveted to the front upper left pillar.

FMVSS 216a Conformance Label

FMVSS 216 is a Federal Motor Vehicle Safety Standard for Roof Crush Resistance. This standard establishes strength requirements for the passenger compartment roof.

The FMVSS 216a Conformance Label is provided on a permanent decal located on the right side of the Battery Bay, beneath the VECI and Safety Compliance Certification Labels. Do not remove this decal - it is required by the FMVSS.

Child Safety

Only children age 12 or older who are large enough to no longer require either child seats (including infant seats) or booster seats should ride in the FUV.



- Never use the seat belt system for children under the age of 12 years or to install an infant seat, child seat or booster seat.
- Never use the seat belt system for persons who weigh less than 88 lbs or those who are less than 4'-11" tall, regardless of age.

Refer to page [85](#) for more details on seat belts and safety requirements for children.

Automatic Shutoff

The following safety features allow for automatic shutoff of the high-voltage (HV) electrical system.

- **High-Voltage Safety Fuses** — In the event of a high-current short circuit, one or more high-voltage fuses will open, disabling the HV system.
- **High-Voltage Interlock Circuit** — If a high-voltage connector is disconnected, the high-voltage interlock circuit opens and disables the HV system.
- **Emergency Cut Loop** — Whenever the Emergency Cut Loop is cut, the HV system is disabled.
- **BMS Sensors** — The Battery Management System (BMS) continuously monitors the condition of the batteries and will disable the HV system if the battery temperature, state of charge or cell balance is outside of normal parameters.
- **Inertia Switch** - In the event of a collision or severe jarring of the vehicle, an inertia switch disables the HV system.

- **VCU** - The Vehicle Control Unit (VCU), a supervisory circuit, constantly monitors the vehicle's performance and will disable the HV system if it detects a potentially dangerous condition.

If the FUV Is In an Accident

NOTE

First responder information is provided in the **Emergency Response Guide** and **QRS**, available at www.arcimoto.com.

In the event that the FUV is involved in an accident, contact 24/7 Arcimoto Roadside Assistance at (866) 235-3920.

- Always assume the high voltage (HV) battery and associated components are energized and fully charged.
- Exposed electrical components, wires, and HV batteries present potential HV shock hazards.

SAFETY

- Venting/off-gassing HV battery vapors are potentially toxic and flammable.
- Physical damage to the vehicle or HV battery may result in immediate or delayed release of toxic and/or flammable gases and fire.

VEHICLE INFORMATION

- Know the make and model of your vehicle.
- Review the owner's manual and become familiar with your vehicle's safety information and recommended safety practices.
- Do not attempt to repair damaged electric vehicles yourself. Contact Arcimoto Product Support at (541) 780-0032.

EMERGENCIES

CRASH: A crash or impact significant enough to require an emergency response for conventional vehicles would also require the same response for electric vehicles.

If possible

- Move your FUV to a safe, nearby location and remain on the scene.
- Place the Direction Switch to Neutral (see page [48](#)), engage the parking brake (see page [55](#)), turn off the vehicle (see page [43](#)), activate hazard lights (see page [43](#)), and move keys at least 16 feet away from the vehicle.

Always

- Call 911 if assistance is needed and advise that an electric vehicle is involved.
- Do not touch exposed electrical components or the engine compartment, as a shock hazard may exist.
- Avoid contact with leaking fluids and gases, and remain out of the way of oncoming traffic until emergency responders arrive.
- When emergency responders arrive, tell them that the FUV is a fully electric vehicle.

FIRE: As with any vehicle, call 911 immediately if you see sparks, smoke, or flames coming from the vehicle.

- Exit the vehicle immediately.
- Advise 911 that an electric vehicle is involved.
- As with any vehicle fire, do not inhale smoke, vapors, or gas from the vehicle, as they may be hazardous.
- Remain a safe distance upwind and uphill from the vehicle fire.
- Stay out of the roadway and stay out of the way of any oncoming traffic while awaiting the arrival of emergency responders.

POST-INCIDENT

- Do not store a severely damaged vehicle with a lithium-ion battery inside a structure or within 50 feet of any structure or vehicle.
- Notify 24/7 Arcimoto roadside assistance at **(866) 235-3920** as soon as possible as there may be other steps they can take to secure and discharge the HV batteries.
- Call 911 if you observe leaking fluids, sparks, smoke, flames, or hear gurgling or bubbling from the HV batteries.

Online Resources

View and print or download the most recent version of this Owner's Manual, and other related documents by visiting www.arcimoto.com.

Check frequently for updates - documents are updated with the latest information, as well as for new documents regarding the FUV and other Arcimoto products and accessories.

SAFETY

Getting Started

1) Buckle Up



Sit down in the FUV, and **fasten both front Seat Belts.**

Note: As a safety feature, both front seat belts must be latched before the FUV will move. It is not required that the rear seat belts are latched before the FUV will move; if you have a passenger, always ensure that both rear seat buckles are secured. Refer to [Seat Belts on page 85](#) for more information.

2) Put the FUV in Neutral



Set the Direction switch on the right grip to **Neutral (•)**.

3) Turn the FUV ON

When the FUV is OFF, the Display is black. Turn the FUV ON via either the Key or by using the PIN keypad on the Display as described below.

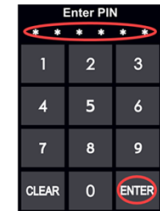
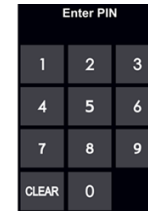
Turning the FUV ON with the Key



Insert the key and turn it to the **ON** position.

Turning the FUV ON via the Display

1. Press anywhere on the Display to invoke the Enter PIN keypad.



GETTING STARTED

2. Enter the 6-digit PIN assigned to the FUV.

Note that each FUV is assigned a unique 6-digit PIN at the factory. Additionally, a custom *User PIN* can be added to the FUV.

Both the custom User PIN and the factory assigned PIN can be used to start the FUV.

Refer to the [Working With PINs section on page 81](#) for details on using the Factory PIN and setting a custom User PIN.

3. Press **ENTER** to turn the FUV ON and open the *How To Start Your Vehicle* screen.

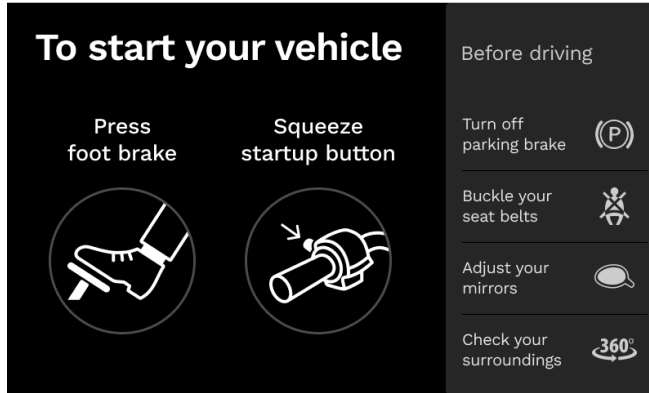
Startup Screens

When the FUV is turned on (either via the Key or the Enter PIN keypad on the Display), the first screen displayed is the Arcimoto logo screen:



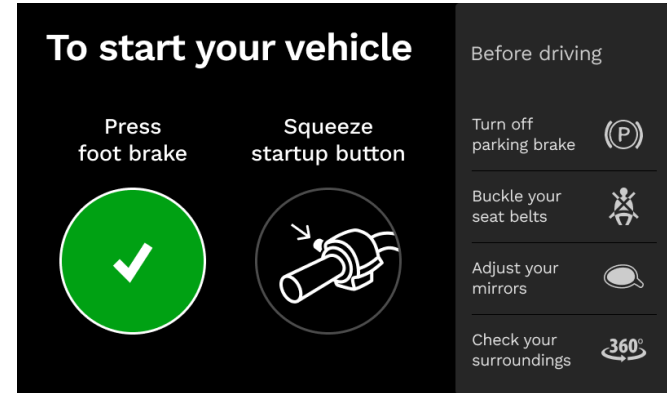
In a few seconds, the Startup Screen displays, providing visual instructions and queues to start the FUV.

4) Start the FUV



As the screen indicates, press the foot brake completely down.

When the brake pedal is pressed sufficiently, a green check mark appears on the screen, replacing the brake pedal graphic:



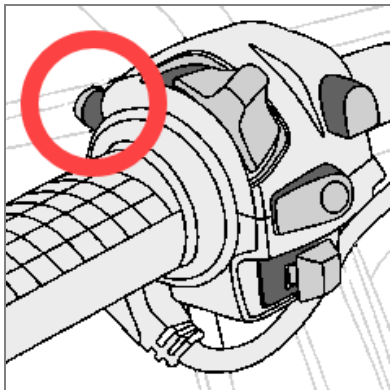
Note that the screen indicates if the brake pedal has not been pressed sufficiently:



In this case, apply more pressure to the brake pedal, until a green check mark appears.

GETTING STARTED

Once the green check mark displays for the brake pedal, squeeze the Startup button on the left grip:




This will update the screen again, with a green check mark replacing the Startup Button graphic:


Once the FUV is started, release the START button.

To start your vehicle





Press foot brake



Squeeze startup button



Before driving

- Turn off parking brake 
- Buckle your seat belts 
- Adjust your mirrors 
- Check your surroundings 

At this point, the FUV is started and is ready to drive. However, it is important to follow the four steps listed on the screen under "**Before Driving**":

Turn off parking brake: Check the Parking Brake button on the Control Panel. If the LEDs on the button are lit, then the Parking Brake is ON.

Press the Parking Brake button on the Control Panel to turn off the Parking Brake before driving. See the [Release the Parking Brake section on page 110](#) for details.

NOTE

For safety, press and hold the Brake Pedal when the Parking Brake is OFF.

Buckle your seat belts: Verify that all seat belts for both driver and passenger are latched before driving. Note that a warning displays at the top of the screen to indicate the specific seat belt(s) that are not latched. See the [Seat Belts section on page 85](#) for details.

Adjust your mirrors: Adjust both rear-view mirrors to ensure rear visibility before driving. See the [Mirrors section on page 94](#) for details.

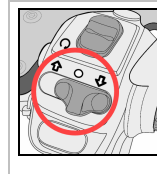
Check your surroundings: Check your surroundings for people, animals, traffic, or obstacles before driving.

Once the FUV starts, and all of the *Before Driving* instructions have been followed, the FUV is ready for driving.

5) Drive

Once the FUV has been started, the Display updates to show the Drive screen. Refer to the [Display: ON \(Drive Screen\) section on page 65](#) for details.

Set the Direction Switch



Use the **DIRECTION** switch on the right grip to select a safe direction of travel.

- Select UP (↑) for **Forward**
- Select DOWN (↓) for **Reverse**.

Note: As a safety feature, the Direction switch must be switched from Neutral to Drive (Forward or Reverse) before the FUV will move.

If the FUV is started with the Direction switch in either Forward or Reverse, the FUV will not move until the Direction switch is moved to Neutral then back to Forward or Reverse.

GETTING STARTED

Twist the Throttle to Drive



Gently twist the throttle to go!



CAUTION

Because the FUV is silent, it may not be obvious that the vehicle is in Drive mode. Never leave the FUV unattended while powered on.

If the FUV Doesn't Start



The Motor Off tell-tale on the Display indicates if the motors are turned off. If this tell-tale is lit, check the MOTOR OFF Switch on the Right-hand grip.






If the MOTOR OFF Switch is in the OFF position, the FUV will not start. Switch the MOTOR OFF Switch to the ON position and try again.

Note: *If the MOTOR OFF switch is activated, the FUV must first be set to Neutral, and then into the direction you wish to proceed before resuming to drive.*



Try again, but *apply more pressure on the Brake Pedal*. The Brake Pedal must be pressed all the way down to turn the FUV On.

Parking and Shut Down

	1. Find a safe spot to park, and bring the FUV to a complete stop. Leave the Brake Pedal depressed.
	2. Slide the DIRECTION switch to Neutral (•).
	3. Press the Parking Brake button on the Control Panel to engage the Parking Brake . The Parking Brake is fully engaged when all three LEDs on the button are lit.
	4. Turn the Key to OFF and remove the Key.
	5. Release the Brake Pedal.

Alternatively, press and hold the START trigger button (while the FUV is ON) to power OFF the FUV.



DANGER

Do not press and hold the START trigger button while driving. If you remove power while driving, all lights shut off and power steering is disabled; it will require considerably more effort to steer. This could lead to loss of control, serious injury or death.

Post-Drive

When you finish a drive, plug the FUV into a charging station to maintain charge.

Keep the FUV plugged-in when not in use. The electronics in the FUV will keep the battery full, well-balanced and ready for use without any risk of overcharging. Thermal sensors continuously keep an eye on the battery temperature.

GETTING STARTED

Keyless Startup

Each FUV is assigned a unique 6-digit PIN (Personal Identification Number) at the factory. This PIN can be used to turn the FUV on and off without using a key.

- Refer to [Turning the FUV ON via the Display section on page 1](#) for details.
- Refer to the [Working With PINs section on page 81](#) for details on using the Factory PIN and setting a custom User PIN.

Pairing the FUV To a Bluetooth-Enabled Device

The FUV features a Bluetooth-enabled amplifier that allows you to use a smartphone, tablet, or other Bluetooth-enabled device as an audio source.

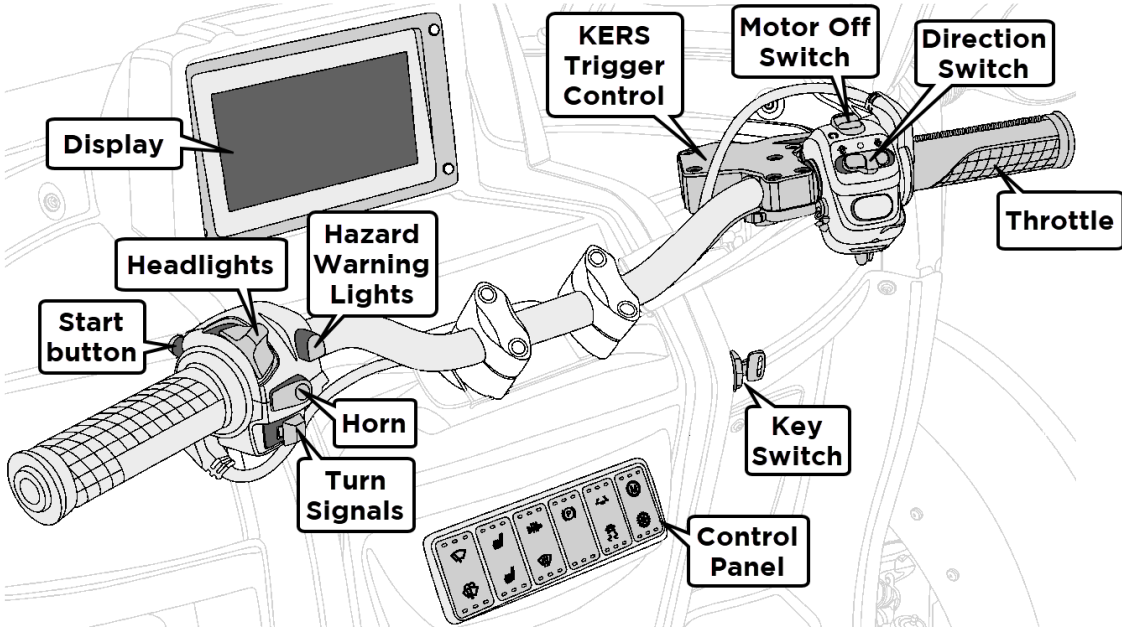
Pairing the FUV to your smartphone is quick and easy, and the FUV works just like any other Bluetooth device:

1. Turn on the FUV.
2. Enable Bluetooth on your smartphone or other device.
3. Search for available Bluetooth devices on your device.
4. Select **AQUATIC AV BC BASIC** from the *Available Devices* list.

The FUV chimes, indicating that pairing is complete.

Controls

The main controls are on the handlebars (left and right grip controls), and a set of accessory switches are provided on the Control Panel.

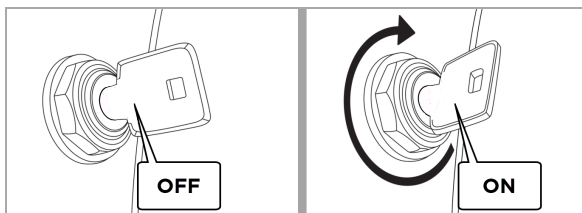


CONTROLS

Key Switch

The Key switch is located on the right side of the instrument panel. It has two positions: OFF and ON.

Insert the Key and turn it to the right to switch it to the ON position. Turn the Key to the left to switch it OFF.



Key Switch- ON Position

Turn the Key to the ON position to turn the FUV ON: You will hear the start-up chime and see the Display turn on.

When the FUV is turned ON, all electronic features are available, but the motors are off. The FUV must be turned ON in order to start.

To start, turn the Key to the ON position and press the START button on the left grip (see page [46](#)). Note that the Parking Brake must be fully depressed to start the FUV. Refer to the [Getting Started section on page 35](#) for details.

Once the FUV has been started, it will move in the direction specified by the Direction switch (see page [48](#)) when the throttle is twisted.



WARNING

Always check the Direction switch before twisting the throttle.



DANGER

Because the FUV is silent, it may not be obvious that the vehicle has been started. Never leave the FUV unattended while it is turned ON!

NOTE

You can also turn the FUV ON without a Key by using the 6-digit PIN. (see page [84](#)).

Key Switch - OFF Position / No Key

When there is no key inserted, or if the key is inserted with the Key Switch in the OFF position, then the FUV is OFF.



Do not turn the Key Switch to OFF while driving. If you remove power while driving, all lights shut off and power steering is disabled. It will require considerably more effort to steer. This could lead to a loss of control, which may result in serious injury or death.

However, even when the Key Switch is in the OFF position (or if there is no Key inserted), the Hazard Lights are fully operational.

The key can only be removed when the Key Switch is in the OFF position.

Note that the FUV can be turned OFF without using the Key (see page [81](#)).



When exiting the vehicle, always turn the Key Switch to OFF, and remove the key from the vehicle. Unsupervised use of vehicle equipment may cause severe personal injuries and death.

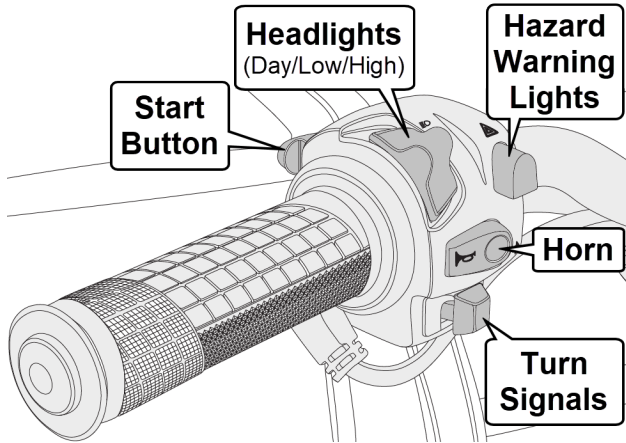
Always remove the Key when the FUV is not in use.



Do not leave the key in the vehicle or in a location accessible to children. A child could operate controls or move the vehicle.

CONTROLS

Left Hand Controls



Start Button

The Start Button on the left grip, in conjunction with the Brake Pedal, is used to start the FUV.

Refer to the [Getting Started section on page 35](#) for instructions starting the FUV.




When the FUV is ON, press and hold the Start Button to power OFF the FUV.




DANGER

Do not press and hold the Start Button while driving. If you remove power while driving, all lights shut off and power steering is disabled. It will require considerably more effort to steer. This could lead to loss of control, serious injury or death.


Headlights Switch

	<p>The bottom position is DAY MODE.</p> <p>Note that for safety, the headlights are always turned on when the Key is in the ON position.</p>
	<p>The center position is NIGHT MODE - LOW BEAM:</p> <ul style="list-style-type: none">• Headlights are turned on, and the Display is dimmed slightly for night driving.• The Headlight telltale on the Display is lit green.
	<p>The top position is NIGHT MODE - HIGH BEAM:</p> <ul style="list-style-type: none">• High Beams are activated, and the Display is dimmed slightly for night driving.• The Headlight telltale on the Display is lit blue.


Hazard Lights Button

	<p>Push the HAZARD LIGHTS button to activate hazard lights (all turn signals flashing). Push again to turn them off.</p>
---	--

Horn Button

	<p>Press the HORN button to sound the horn.</p>
---	---

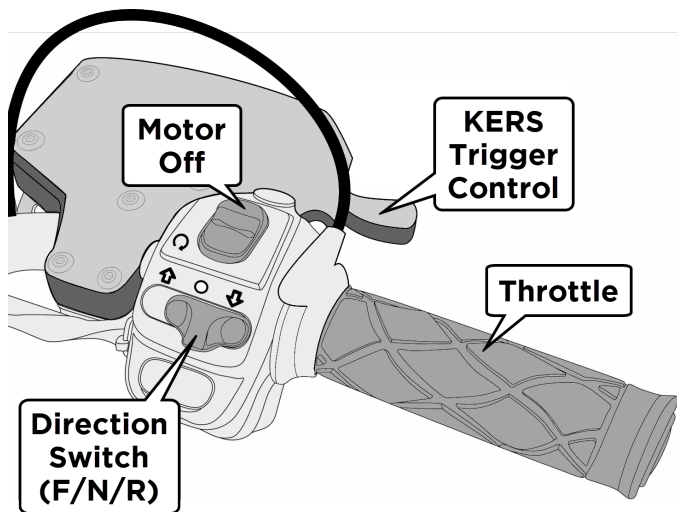
Turn Signal Switch

	<p>Slide the switch left or right to start signaling. Push the center of the switch in to turn off the signal.</p>
--	--

<p>NOTE</p>	
<p>The Hazard Lights, Horn, and Turn signals can be activated even if the FUV is completely powered OFF.</p>	

CONTROLS




Right Hand Controls



Direction Switch (↑/•/↓)

The Direction switch sets the direction of travel (Forward/Neutral/Reverse).

Always check the Direction switch before putting the FUV into motion.

	Slide the switch to the left (UP arrow) for Forward . The FUV will move forward when the throttle is twisted.
	The middle position is Neutral . The FUV will not move when the throttle is twisted.
	Slide the switch to the right (down arrow) for Reverse . The FUV will move backwards when the throttle is twisted.

Switch the Direction switch from Neutral to Forward or Reverse, and gently twist the throttle to start moving.

Always start the FUV with the Direction switch in Neutral (•)

As a safety feature, the Direction switch must be switched from Neutral to Forward or Reverse before the FUV will move.

If the FUV is started with the Direction switch in either Forward or Reverse, the FUV will not move until the Direction switch is first switched to Neutral, then switched to Forward or Reverse.



CAUTION

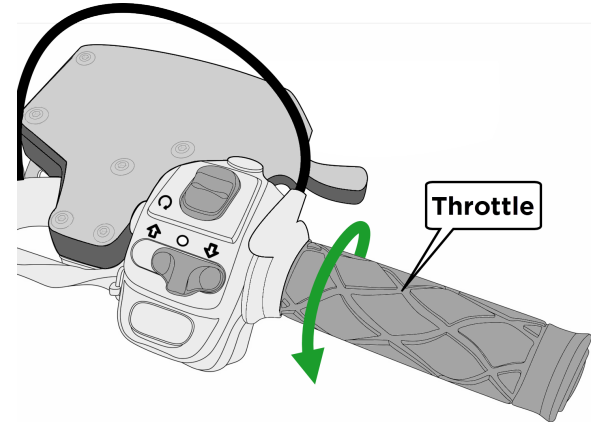
Always bring the FUV to a complete stop before changing the Direction setting.

Always place the FUV in Neutral (•) and apply the Parking Brake (via the Parking Brake button on the Control Panel - see page [59](#)) before shutting down.

See the [Getting Started section on page 35](#) for details.

Throttle

Twist the throttle to start driving in the direction set on the Direction switch. Spring tension returns the throttle to the rest position when released.



CAUTION

Always check the Direction switch before twisting the throttle.

CONTROLS

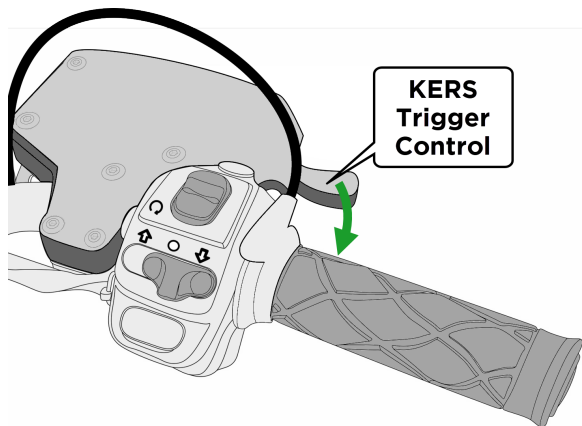


WARNING

Be sure the path is clear of obstructions, including people and animals, before twisting the throttle.

KERS Trigger Control

Pull the KERS Trigger Control on the right hand grip to activate the Kinetic Energy Recovery System ("KERS").



This feature allows you to harness kinetic energy from the moving FUV to recharge the HV Batteries while you drive.

When the KERS Trigger Control is pulled, the FUV feeds energy back to the HV Batteries and increases the charge level. On the Display, this is indicated on the Power Meter as REGEN power.



The Power Meter fills green on the REGEN side to indicate the current level of power being fed back into the Batteries


Pulling the KERS Trigger Control slows the FUV down while recharging the HV Batteries.

Note that pulling the Trigger Control activates the brake lights, to alert other drivers that the FUV is slowing down.


Activating the Energy Recovery System will cause the FUV to slow down. However, the Energy Recovery Trigger Control is NOT a brake.

NOTE

If the battery is at full charge, more charge cannot flow into it and thus, the FUV will not slow down. In this case, use the brake to slow down.

 **CAUTION**

In snowy or icy conditions, the FUV may experience traction loss while using the Energy Recovery System. Always exercise caution on slippery roads.

 **WARNING**

Always rely on the Brake Pedal to stop the FUV. Braking improperly could result in loss of control, which could result in serious injury or death.

See page [113](#) for information on using the Energy Recovery System.

MOTOR OFF Switch

The MOTOR OFF switch provides an alternative method of shutting off the motor.



Note that when this switch is in the Off position, the motor is off, but all electronic functions are available.

When the MOTOR OFF switch is in the OFF position, the Motor Off telltale on the Display (see page [1](#)) lights up to indicate that the motors are turned off.

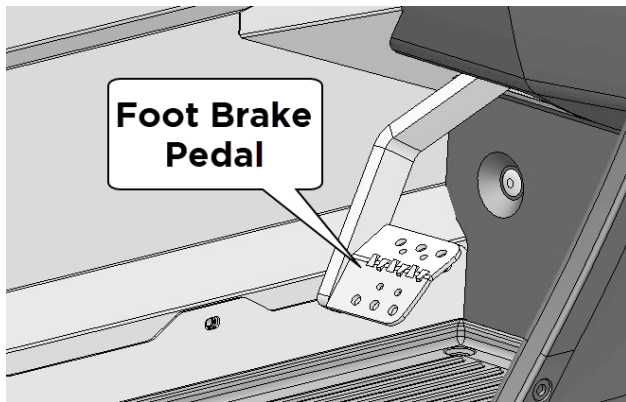
If the MOTOR OFF Switch is in the OFF position, the FUV will not start. In this case, switch the MOTOR OFF Switch to the ON position and try again.

CONTROLS

NOTE

If the motor OFF switch is activated, the FUV must first be set to Neutral, and then into the direction you wish to proceed before resuming to drive.

Brake Pedal



The Brake Pedal is on the driver's right foot well. It controls the hydraulic brakes on all three wheels.

Use the Brake pedal to decelerate quickly, and bring the FUV to a full stop.

Press the Brake Pedal While Starting the FUV

As a safety feature, the FUV will not start unless the Brake Pedal is fully depressed.

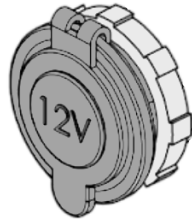
NOTE

Practice braking in a safe area to become familiar with the feel of the brakes before driving in traffic. Practice is strongly recommended to perfect safe emergency stops.

- When braking, the throttle should be in the closed (OFF) position.
- Never rest your foot on the Brake pedal while driving. This can cause the braking system to overheat. This increases the stopping distance and can cause the brake system to fail.

12V Accessory Power Socket

One 12V Accessory Power Socket is provided directly beneath the Control Panel for charging portable devices.



Use this power socket in conjunction with a 12V socket adapter (not included) to charge and power mobile devices, only while the FUV is ON (or plugged into a charging station).



CAUTION

To avoid discharging the 12V battery in the FUV, do not charge or power external devices via the 12V Accessory Power Socket when the FUV is OFF (and not charging).

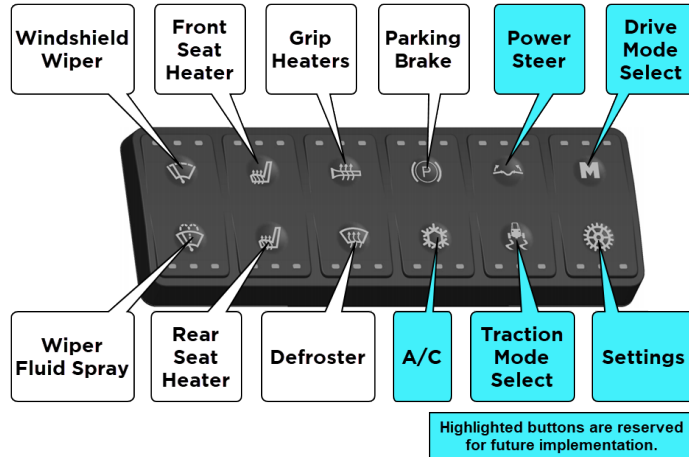
The 12V Accessory Power Socket also serves as a 12V Power Inlet: plug a trickle-charge unit into the socket to feed power to the 12V Battery.

This method can be used to recover a discharged 12V Battery. See page [158](#) for instructions.

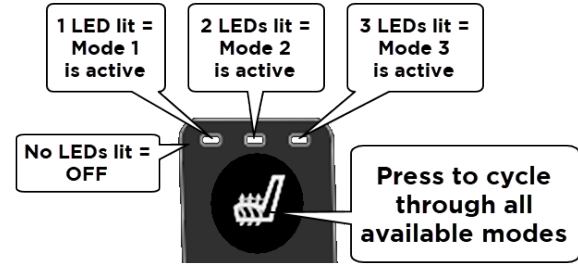
CONTROLS

Control Panel

The Control Panel provides access to important features, including Windshield Wiper/Spray, Seat and Grip Heaters, Defroster and Parking Brake.



Press the buttons on the Control Panel to activate each function and scroll through the available modes.



For example, the Seat Heater buttons provide three heating modes (3-high, 2-medium, and 1-low). The LEDs light to indicate the currently active mode (1, 2, 3, and Off).

- When the function is turned off, all LEDs are dark.
- Press once to activate mode 3 (for example, *high*). All three LEDs light to indicate mode 3 (high) is active.

CONTROL PANEL

- Press again to activate the mode 2 (for example, *medium*). The first two LEDs light to indicate mode 2 (medium) is active.
- Press a third time to activate mode 1 (for example, *low*). The first LED lights to indicate mode 1 (low) is active.
- Press once more to turn the function off (for example, *the seat heater turns off*). All LEDs go dark.

The modes for each Control Panel feature are described on the following pages:



Windshield Wiper

The Windshield Wiper button provides three wiper speeds: LOW, MEDIUM, and HIGH. The three LEDs on the Windshield Wiper button indicate the current setting:

- Press once for high (all 3 LEDs are lit).
- Press again for medium (the first 2 LEDs are lit).
- Press a third time for low (the first LED is lit).
- Press once more to turn the wiper off.

Press and release the Windshield Wiper button to *increase* the speed of wiper. Press and release the button multiple times to cycle up through all speeds.

For example, press and release the button to turn the wiper on, at HIGH speed. Press and release again to switch to MEDIUM speed. Press and release once again for LOW speed. If you press and release once more, the wiper cycles to OFF (all LEDs turn off).

Press and hold the wiper button to *decrease* the speed of the wiper. Press and hold the button multiple times to cycle down through all speeds.

For example, with the Windshield Wiper set to HIGH, press and hold the button to switch to MEDIUM. Press and hold again to switch to LOW. If you press and hold the

button while the wiper is set to LOW, it turns the wiper off.



CAUTION

In cold weather, always turn off the wiper switch and allow the wipers to return to the park position before turning off the vehicle. If the wiper switch is left on and the wipers freeze to the windshield, damage to the wiper motor may occur when the vehicle is restarted.

- Do not operate the wiper when the windshield is dry. This could damage the wiper blade and scratch the windshield. If it is necessary to use the wiper in dry conditions, use plenty of washer fluid.
- Ensure that the wiper blade is not frozen or stuck to the windshield before turning the wiper on.
- Ensure that the wiper blade is free of ice. Ice has sharp edges that can damage the rubber on the blade.

- Check the wiper blade periodically for wear and tear. A worn or damaged wiper blade can cause smearing on the windshield.



Wiper Fluid Spray

Press the Wiper Fluid Spray button to spray wiper fluid on the windshield. All 3 LEDs light when this button is pressed.



CAUTION

Sudden loss of visibility through the windshield could lead to a collision. You might not see other vehicles or other obstacles. To avoid sudden icing of the windshield during freezing weather, warm the windshield with the defroster before and during windshield washer use.

CONTROL PANEL



Front Seat Heater

Press to turn on the front seat heater. The front seat heater button provides three heat settings: low, medium and high.

- Press once for high (all 3 LEDs are lit).
- Press again for medium (the first 2 LEDs are lit).
- Press a third time for low (the first LED is lit).
- Press once more to turn the seat heater off.



Rear Seat Heater

Press to turn on the rear seat heater. The rear seat heater button provides the same three heat settings as the front seat heater button (see above).



WARNING

Do not place anything on the seat or seatback that insulates against heat, such as a blanket or cushion. This may cause the seat heater to overheat. Sitting in a seat that has been overheated could cause serious burns due to the increased surface temperature of the seat.



Grip Heaters (low / medium / high)

Press to turn on the grip heaters. The grip heater button provides three heat settings: low, medium and high.

- Press once for high (all 3 LEDs are lit).
- Press again for medium (the first 2 LEDs are lit).
- Press a third time for low (the first LED is lit).
- Press once more to turn the grip heaters off.



WARNING

To avoid burns resulting from prolonged use, individuals who have peripheral neuropathy, or whose capacity to feel pain is limited because of diabetes, age, neurological injury, or some other condition, should exercise caution when using the seat and grip heaters.



Defrost

Press to turn on the windshield defroster. The defrost button provides three settings: high, medium and low.

- Press once for high (all 3 LEDs are lit).
- Press again for medium (the first 2 LEDs are lit).
- Press a third time for low (the first LED is lit).
- Press once more to turn the defroster off.



Parking Brake

The parking brake button engages and disengages the parking brake:

- Press to engage the parking brake (all 3 LEDs are lit once the parking brake is fully engaged). The Parking Brake telltale on the Display lights to indicate that the Parking Brake is engaged (see the [Telltale section on page 1](#) for details).
- Press again to disengage the parking brake (all 3 LEDs are off once the parking brake is fully disengaged). The Parking Brake telltale on the Display is off when the Parking Brake is disengaged.

Note that it takes approx 3 seconds for the brake to be fully engaged or disengaged (when all three LEDs are lit, and the sound of the brake motor stops).

CONTROL PANEL



CAUTION

Always engage the Parking Brake before leaving the FUV.



WARNING

Don't drive off until all 3 LEDs are off (approximately 3 seconds), indicating that the parking brake is fully disengaged. Driving the FUV with the parking brake engaged or partially engaged can damage the brakes.



A/C: Press to turn on the air conditioner, if equipped (reserved for future implementation).



Power Steering Mode: Press to cycle through three power steering modes: "Comfort", "Normal", and "Sport" (reserved for future implementation).



Traction Mode: Press to cycle through three traction modes: "Eco", "Normal", and "Sport" (reserved for future implementation).



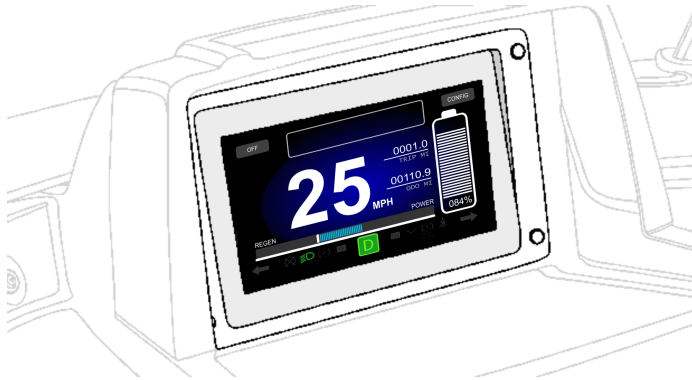
Mode: Press to cycle through up to three drive modes (reserved for future implementation).



Settings: Press to activate Settings options on the Display (reserved for future implementation).

Display

The FUV features a touch-sensitive color Display that provides useful information regarding the current state of the FUV.



The touch options on the Display allow you to turn the FUV ON and OFF, change the PIN assigned to the FUV, and to enable Extended Range Mode.

NOTE

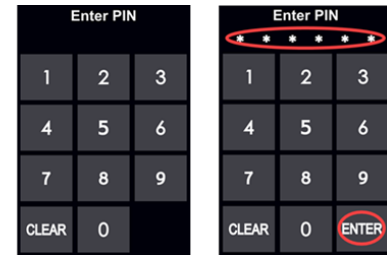
Remove the clear protective film from the Display before use.

Display: OFF State

When the FUV is OFF, the Display is black. Turn the FUV ON via either the Key or by using the PIN keypad on the Display as described below.

Turning the FUV ON via the Display

1. Press anywhere on the Display to invoke the Enter PIN keypad.



2. Enter the 6-digit PIN assigned to the FUV.

DISPLAY

Note that each FUV is assigned a unique 6-digit PIN at the factory. Additionally, a custom *User PIN* can be added to the FUV.

Both the custom User PIN and the factory assigned PIN can be used to start the FUV.

Refer to the [Working With PINs section on page 81](#) for details on using the Factory PIN and setting a custom User PIN.

3. Press **ENTER** to turn the FUV ON and open the *How To Start Your Vehicle* screen.

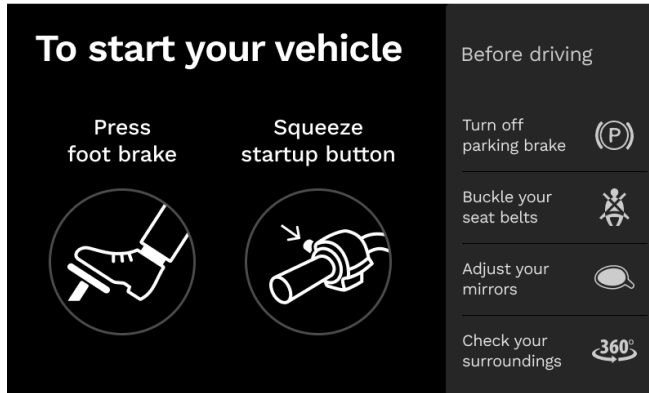
Note that the FUV can also be turned ON using the Key (see page [108](#)).

Startup Screens

When the FUV is turned on (either via the Key or the Enter PIN keypad on the Display), the first screen displayed is the Arcimoto logo screen:

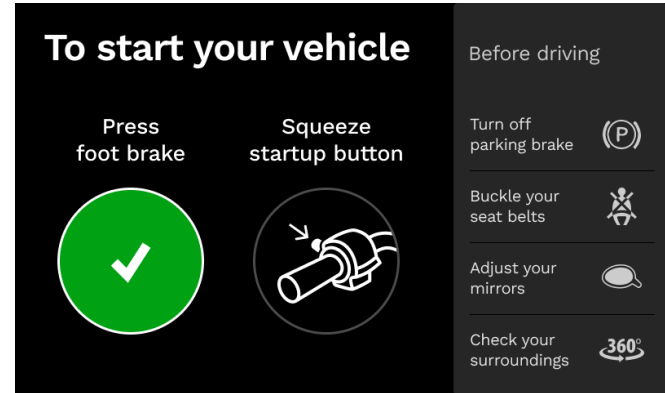


In a few seconds, the Startup Screen displays, providing visual instructions and queues to start the FUV:



As the screen indicates, press the foot brake completely down.

When the brake pedal is pressed sufficiently, a green check mark appears on the screen, replacing the brake pedal graphic:



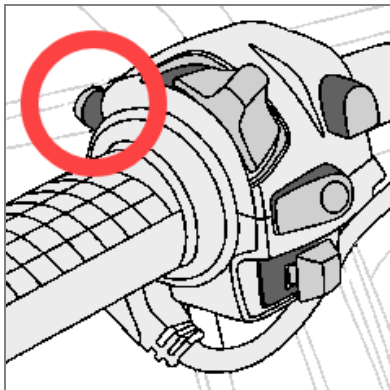
Note that the screen indicates if the brake pedal has not been pressed sufficiently:



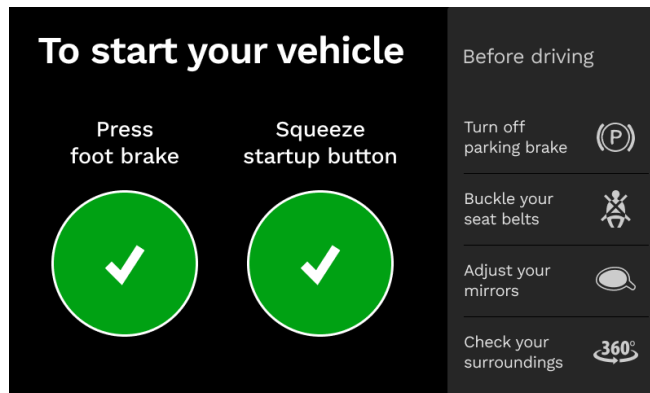
In this case, apply more pressure to the brake pedal, until a green check mark appears.

DISPLAY

Once the green check mark displays for the brake pedal, squeeze the Startup button on the left grip:



This will update the screen again, with a green check mark replacing the Startup Button graphic:



At this point, the FUV is started and is ready to drive. However, it is important to follow the four steps listed under "**Before driving**":

Turn off parking brake: Check the Parking Brake button on the Control Panel. If the LEDs on the button are lit, then the Parking Brake is ON. Press the Parking Brake button on the Control Panel to turn off the Parking Brake before driving.

Buckle your seat belts: Buckle both seat belts for both driver and passenger before driving. Note that a warning displays at the top of the screen to indicate the specific seat belt(s) that are not buckled.

Adjust your mirrors: Adjust both rear-view mirrors to ensure rear visibility before driving.

Check your surroundings: Check your surroundings for people, animals, traffic, or obstacles before driving.

Once the FUV starts, and all of the *Before Driving* instructions have been followed, the FUV is ready for driving.

Display: ON (Drive Screen)

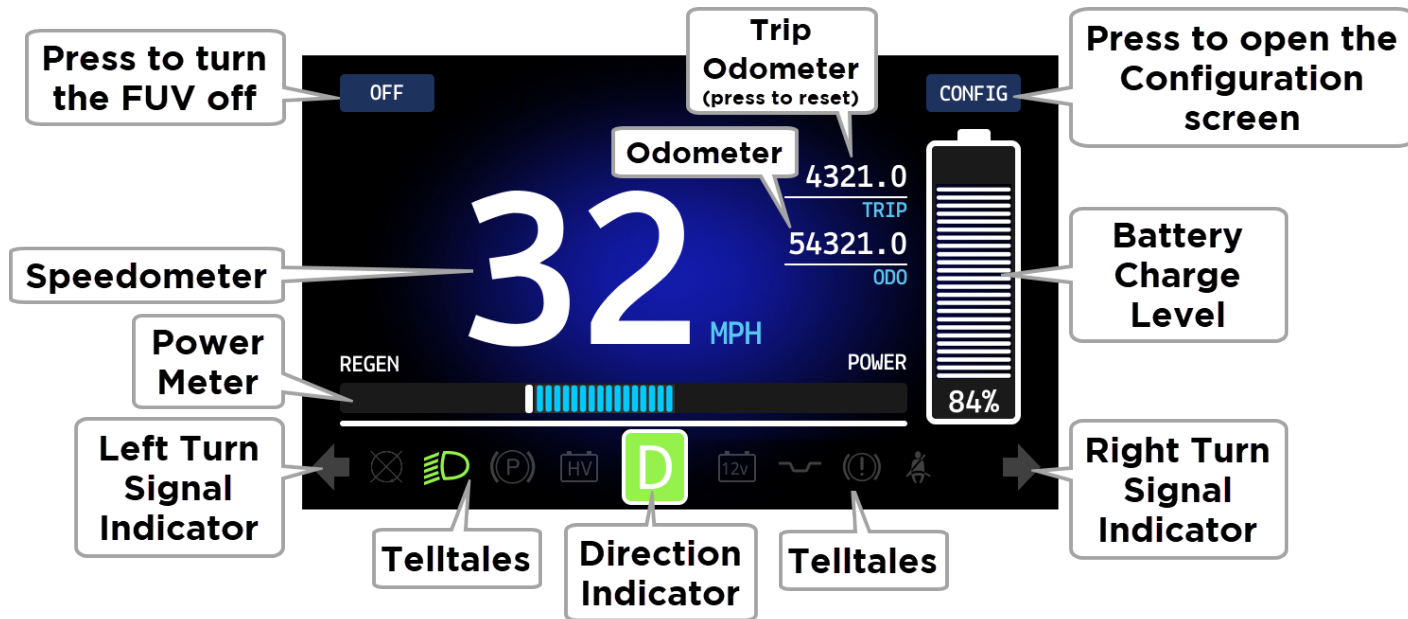
Drive Screen

When the FUV is turned ON (see [Turn the FUV ON section on page 108](#)), the Display turns on and presents the Arcimoto logo.

When the FUV is started (see [START the FUV section on page 108](#)), the Display updates to show the Drive screen.

The Drive screen provides all the information you need to operate the FUV in a simple visual layout, represented on the following page:

DISPLAY



Drive Screen - Main Elements



OFF

OFF Button: Press to turn the FUV off. The FUV powers down and the Display goes blank.

Pressing the OFF button is the same as turning off the Key Switch.

CONFIG Button: Press to open the Configuration screen.



CONFIG

The options on the Configuration screen allow you to change units from miles to kilometers, and to assign a new User PIN. See the [Configuration Screen section on page 76](#) for details.



32 MPH

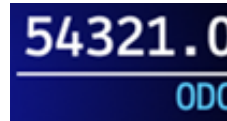
Speedometer: Indicates the current speed (in MPH, by default).



4321.0
TRIP

Trip Odometer: Indicates the distance the FUV has been driven (in miles, by default) during this trip.

To reset the Trip Odometer to zero, press the Trip Odometer on the Display.



54321.0
ODO

Odometer: Indicates the total distance the FUV has been driven (in miles, by default).

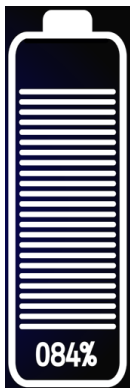
NOTE

Use options on the Configuration screen to change units from miles to kilometers. See page [76](#) for details.

DISPLAY

Battery Charge Indicator

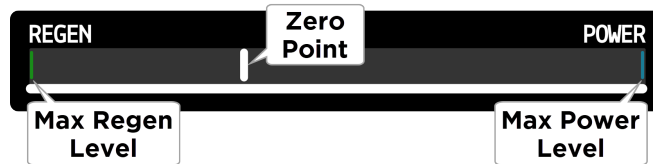
The Battery Charge Indicator on the right side of the Display indicates the amount of energy remaining in the batteries.



Keep an eye on the Battery Charge Level as you drive. You will note the charge level decreasing as you use the throttle.

Power Meter

The Power Meter (directly below the Speedometer) indicates energy usage in real time.



Use the Power Meter to monitor your power usage as you drive: it indicates the level of energy being used (POWER), and the level of REGEN power that is currently being fed to the Batteries (REGEN) via the Kinetic Energy Recovery System (KERS).

- **Max Regen Level:** The green tick on the far left represents the maximum level of REGEN power available.
- **Zero Point:** The white tick in the middle area represents the "Zero Point" between POWER and REGEN. The Power Meter stays on the Zero Point when neither the throttle nor the Kinetic Energy Recovery System is being used (for example, when sitting still or when coasting).

- **Max Power Level:** The blue tick on the far right represents the maximum level of power available. This tick moves towards the zero point if current battery conditions limit the available power.

Power Meter - REGEN level (green)

When the KERS Trigger Control (page [43](#)) is squeezed, REGEN power is fed back into the Batteries. This increases the Battery Charge Level, and increases your range of travel.

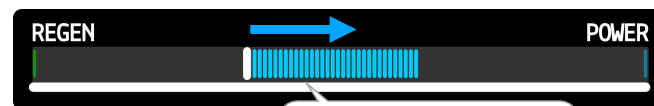
The Power Meter fills up on the REGEN side to indicate the amount of energy being fed back into the Batteries:



The Power Meter fills green on the REGEN side to indicate the current level of power being fed back into the Batteries

Power Meter - POWER level (blue)

When the throttle is applied, Battery power is used, gradually lowering the Battery Charge Level. The Power Meter fills up on the POWER side to indicate the amount of energy being used:



The Power Meter fills blue on the POWER side to indicate the current level of power being used

Keep an eye on the Power Meter and adjust your riding habits as you go. With practice, you'll be able to maximize your range by leveraging the re-charging capabilities of the Kinetic Energy Recovery System.

Refer to the [Kinetic Energy Recovery System \("KERS"\) section on page 113](#) for details.

DISPLAY

Telltales

A series of telltales along the bottom of the Drive screen provide quick visual feedback for many important functions:



Note that while all of the telltales are shown here for illustration purposes, each telltale is only visible on the Display when the associated function is active.



Left Turn Signal Indicator - Flashes when a left turn is selected. Push the turn signal switch to turn it off.

Motor Off - The Motor Off tell-tale on the Display indicates if the motors are turned off.



This telltale lights for 2-3 seconds when the FUV is turned ON, while the FUV is electrically prepared for driving. Once this telltale is off, the FUV can be started (see page [43](#)).

Note: If the MOTOR OFF Switch is in the OFF position, Motor Off tell-tale will be lit, and the FUV will not start. Switch the MOTOR OFF Switch to the ON position and try again.



Headlight/High Beam Indicator - When the headlights are on, this telltale illuminates green. When the high beams are activated, it illuminates blue.



Parking Brake Indicator - Indicates that the Parking Brake is engaged (see page [59](#)).



HV System Warning - Indicates that a system warning is detected in the high-voltage electrical system. Carefully drive the FUV to the nearest safe location and contact Arcimoto Product Support at (541) 780-0032.



Center Icon: Charging - Indicates that the FUV is connected to a charging station and is charging.



Neutral - Indicates that the Direction switch is set to Neutral (•). When the throttle is twisted, the FUV will not move.



Forward - Indicates that the Direction switch is set to Forward (↑). When the throttle is twisted, the FUV moves forwards.



Reverse - Indicates that the Direction switch is set to Reverse (↓). When the throttle is twisted, the FUV moves backwards.

12V System Warning - Indicates a problem with the low-voltage (12V) electrical system.

Note there are two levels of the 12V System Warning telltale (yellow and red):

A **YELLOW** 12V telltale indicates that the 12V battery in the FUV is weak.



In this case, drive the FUV normally (avoiding excessive accessory use), and recharge the FUV as soon as possible. Contact Arcimoto Product Support at (541) 780-0032.



A **RED** 12V telltale indicates a system fault is detected.

In this case, drive range is limited. Carefully drive the FUV to the nearest safe location and contact Arcimoto Product Support at (541) 780-0032.



Brake Failure - Indicates a potential problem with the hydraulic brake system. Typically, this means either that the hydraulic brake system is low on brake fluid, or the brake sensor switch is incorrectly adjusted. This telltale will also light in the case of a Pressure Sensor failure.



Seat belt Warning - Lights to indicate that one or both front seat belts are not fastened.



A warning message at the top of the Display indicates which belt is not fastened.



Right Turn Signal Indicator - Flashes green when a right turn is selected. Push the turn signal switch to turn it off.

DISPLAY

If a Telltale is Lit

Telltale alert you to possible system problems that could represent a safety concern. If any telltales remain lit after starting the FUV, try restarting the FUV:

1. Set the Direction switch to Neutral (•).
2. Turn the Key switch to the Off position.
3. Wait 30 seconds, then turn the Key Switch to On, and press the Start button on the left grip.



CAUTION

If the telltale still remains lit, it could be an indication of a problem and/or a safety issue. Contact Arcimoto Product Support at (541) 780-0032 before driving again.

Drive Screen - Warning Messages

There are several Warning messages that may be displayed along the top of the Drive screen. An example is shown below:



Warning Messages - Seat belts

A warning message is displayed when one or more seat belts are not fastened. The message indicates which specific belt is not latched.

Note that in this case, the Seat Belts telltale will also be lit.

NOTE

As a safety feature, both front seat belts must be latched for the FUV to allow motion.

Warning Messages - REGEN




A warning message displays when the Kinetic Energy Recovery System (REGEN) is either reduced, severely reduced, or turned off entirely.

This is normal: anytime the Battery Charge level is above 80%, the Kinetic Energy Recovery System reduces and disables to avoid over-charging the High Voltage Batteries.

NOTE

Battery temperatures below approximately 50° F (10°C) or above approximately 113° F (45°C) can also cause a reduction in REGEN at various charge levels.

These warnings are to remind you that the Kinetic Energy Recovery System will not slow the FUV substantially until the Kinetic Energy Recovery System is fully enabled.

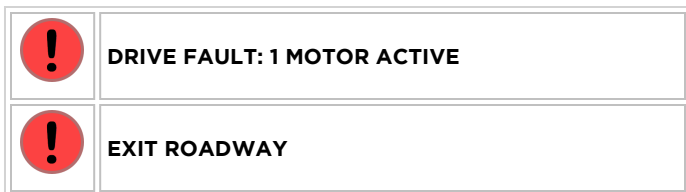
	REGEN REDUCED USE FOOT BRAKE
	REGEN SEVERELY REDUCED USE FOOT BRAKE
	REGEN OFF USE FOOT BRAKE

When the Battery Charge level drops below 80%, these warnings are disabled as ambient battery temperature may affect REGEN functionality.

DISPLAY

Power Loss

A fault has occurred, causing a single motor to shut down. The following messages will toggle:



Avoid hard acceleration or deceleration and immediately look for a safe place to pull over. Contact Arcimoto Product Support at (541) 780-0032 before driving again.

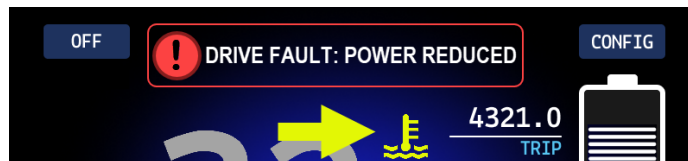
High Temperature / Power Reduced

A warning message and High Temperature telltale displays if the temperature in the Motors and/or Inverters gets too high.

This can happen as a result of very hot temperatures, aggressive driving, long/steep inclines, or a combination of these conditions.

The High Temperature/Power Reduced warning has two levels:

1) When the temperature of the Motors/Inverters is detected to be hotter than normal, the first level warning is displayed. This is indicated by a Warning message at the top of the Drive Screen, and a **YELLOW** High Temperature telltale:



This Warning message indicates that power is temporarily reduced to protect the Motors/Inverters from damage that could result from overheating.

In this case, reduce throttle use to allow the Motors/Inverters to cool off, at which point the Warning message and telltale turns off and power is restored.

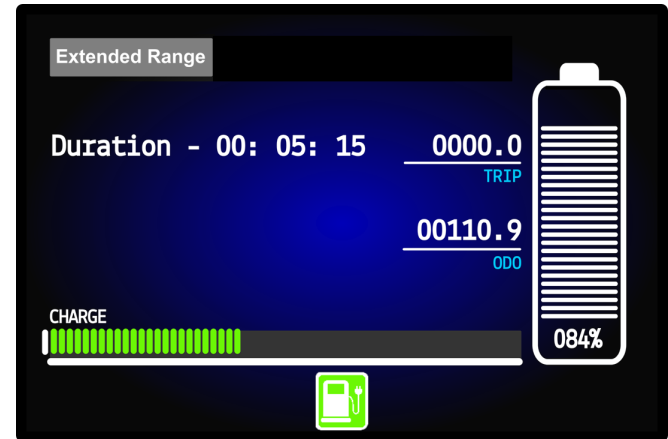
2) If the temperature in the Motors and/or Inverters continues to climb, the second level warning displays. This is indicated by a Warning message at the top of the Drive Screen, and an **ORANGE** High Temperature telltale:



In this case, exit the roadway and turn the FUV off to allow the Motors/Inverters to cool off.

Charging Screen

When the FUV is plugged into a charging station, the Display changes to the Charging screen:



This screen indicates charging progress, the current charge level, and the amount of time that the FUV has been charging. See the [Charging section on page 121](#).

DISPLAY

Note that the Charging screen changes to Screen Saver Mode after one minute of charging. Press anywhere on the Display to exit Screen Saver Mode and return to the Charging screen (see page [61](#)).

Charging Screen - Extended Range button

The Charging screen includes the **Extended Range** button, located at the top left of the Display. Press this button to put the FUV into *Extended Range mode* (see page [117](#)).

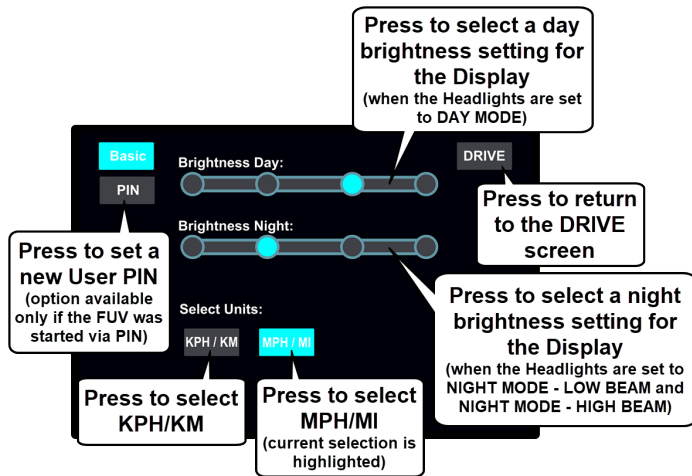


CAUTION

Use of Extended Range Mode accelerates battery wear. When in this mode, drive away immediately when fully charged and charge up immediately when fully discharged to avoid permanent battery damage not covered under warranty.

Configuration Screen

Press the **CONFIG** button on the Drive screen to open the Configuration screen:



The options on the Configuration screen allow you to assign a new User PIN, adjust Display brightness settings, and change the units from miles to kilometers, and to assign a new User PIN.

Changing the PIN on your FUV

Each FUV is assigned a unique 6-digit PIN at the factory. You can add a customer User PIN via the Configuration screen.

Note: This option is available only if the FUV was started via PIN (see the [Starting the FUV Via PIN section on page 84](#)). User PINs cannot be added or changed if the FUV was started via the Key.

For instructions on changing the custom User PIN, refer to [Working With PINs on page 81](#)

Changing the Display of Units from MPH to KPH

To change the FUV's unit setting from *miles* to *kilometers*:

1. Press the **CONFIG** button in the Drive screen to open the Configuration screen.
2. Under **Select Units**, Choose either **KPH / KM** or **MPH / MI**.

Note: The current selection is highlighted.

3. Press **DRIVE** to return to the Drive screen.

DISPLAY

Display Brightness

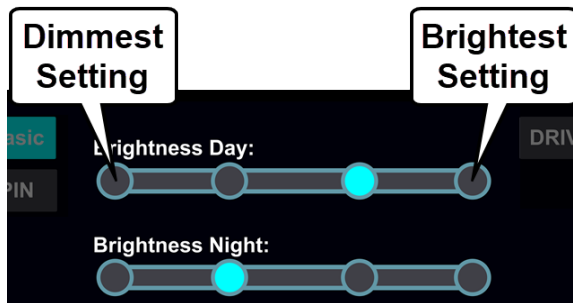
The brightness of the Display and Control Panel automatically dims when the headlights are switched from DAY MODE to NIGHT MODE.

Refer to the [Headlights Switch section on page 47](#) for details on using the headlights.

There are two modes of brightness for the Display:

- **Brightness Day** (headlights set to DAY MODE): By default, the Display is at full brightness, suitable for daytime driving.
- **Brightness Night** (headlights set to NIGHT MODE - LOW BEAM or NIGHT MODE - HIGH BEAM): By default, the Display dims for typical nighttime driving.

The brightness setting for each of these modes can be adjusted via the *Brightness Day* and *Brightness Night* settings on the Configuration page:



Adjusting the Display Brightness Settings

To adjust the Display brightness for DAY MODE:

1. Set the Headlight Switch on the left grip to DAY MODE.
2. Select a Display brightness level for DAY MODE by selecting one of the four settings under **Brightness Day**.
 - Once set, the Display will use the selected brightness level when the Headlight Switch is in DAY MODE.

To adjust the Display brightness for NIGHT MODE:

1. Set the Headlight Switch on the left grip to NIGHT MODE - LOW BEAM, or NIGHT MODE - HIGH BEAM.
2. Select a Display brightness level for NIGHT MODE by selecting one of the four settings under **Brightness Night**.



Once set, the Display uses the selected brightness level, when the Headlight Switch is in either NIGHT MODE - LOW BEAM or NIGHT MODE - HIGH BEAM.

Note these settings affect the brightness of the Display as well as the LEDs on the Control Panel buttons.

Screen Saver Mode

The Display automatically enters into Screen Saver Mode after several minutes of inactivity. Screen Saver Mode occurs in several stages:

While Charging

- After one minute of charging, the Charging Screen begins to fade in and out periodically.
- After five minutes of charging, the Charging Screen switches to show the Arcimoto logo (also fading in and out periodically).
- After ten minutes of charging, the Display switches off entirely.

While Parked

Screen Saver Mode is also triggered after several minutes of inactivity when the FUV is turned On.

For example, the FUV is turned On (see page [108](#)), but has not been started (see page [108](#)).

DISPLAY

Another example is if the FUV is On and has been started, but no controls (including throttle and brake) have been activated for at least one minute.

- After one minute of inactivity, the Drive screen begins to fade in and out periodically.
- After ten minutes of inactivity, the Display switches off entirely.

NOTE

Screen Saver Mode cannot be triggered while the FUV is driving. Activating any of the controls in the FUV (including throttle and brake) prevents Screen Saver Mode.

Exiting Screen Saver Mode

To exit Screen Saver Mode, tap anywhere on the Display.

Working With PINs

Each FUV is assigned a unique 6-digit PIN (Personal Identification Number) at the factory. This PIN can be used to turn the FUV on and off without using a key.

The Factory-Assigned PIN for your FUV is:

(write in below, and keep this card for your reference)

--	--	--	--	--	--

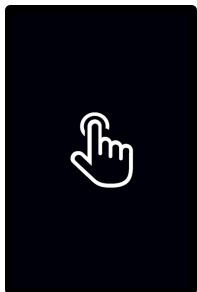
- *This factory-assigned PIN cannot be changed or deleted.*
- *Keep this PIN information in a safe and secure location.*
- *Do not share the factory-assigned PIN with anyone.*

Setting a User PIN

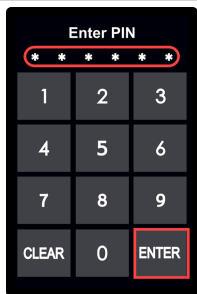
Although the factory-assigned PIN cannot be changed, a custom *User PIN* can be added to the FUV. Once a User PIN has been added, it can also be used to turn the FUV on and off. Further, the User PIN can be changed at any time.

Note that even after a custom User PIN has been added, the factory assigned PIN also still works.

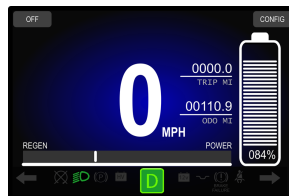
WORKING WITH PINS



1. Press anywhere on the Display to invoke the *Enter PIN* keypad.



2. Enter the 6-digit factory assigned PIN.
3. Press ENTER to start the FUV.



4. Hold the trigger on the left grip and cycle the brake pedal to access the Drive screen.



5. Press **CONFIG** at the top right of the Drive Screen to invoke the Configuration screen.

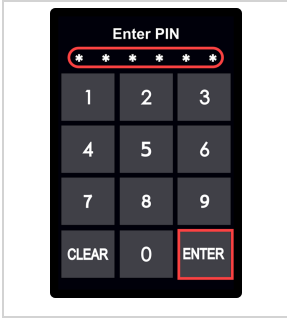


6. Press **PIN** on the top-left side of the screen.



7. Press **CONFIRM** to proceed.

WORKING WITH PINS



8. Enter a new 6-digit PIN when prompted, and press **ENTER**.
9. Re-enter the new 6 digit PIN when prompted, and press **ENTER**.

The Display indicates that the PIN change is successful.

The new User PIN can now be used to start the FUV. Note that the User-PIN can be changed at any time.

The User PIN for your FUV is:

Record your User PIN below, and keep this card for your reference. Since you can easily change your User PIN, use this page to record each new User PIN assignment:

WORKING WITH PINS

Starting the FUV Via PIN

When the FUV is OFF:

1. Press anywhere on the Display to invoke the *Enter PIN* keypad.
2. Enter a valid 6-digit PIN (either the factory PIN, or the current User PIN).
3. Press **ENTER** on the *Enter PIN* keypad to start the FUV.

Shutting the FUV Off after Starting it with a PIN

When the FUV is ON:

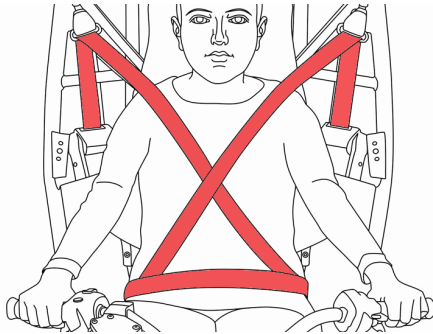
1. Put the FUV in Neutral.
2. Engage the parking brake.
3. Press **OFF** on the Display.

If You Have Forgotten Your Factory PIN

In case you forget the Factory PIN assigned to your FUV, contact Arcimoto Product Support at (541) 780-0032. One of our technicians will provide the Factory PIN (after verifying your personal information).

Seat Belts

The FUV's seat belt system consists of dual three-point lap / shoulder belts on each seat. Always make sure that both the seat belts are secured for the driver and passenger before operating the FUV.



If the Driver's seat belts are not fastened when the FUV is powered up, the seat belt Warning indicator illuminates on the Display.

NOTE

As a safety feature, both front seat belts must be latched for the FUV to allow motion. It is not required that the rear seat belts are latched for the FUV to allow motion; if you have a passenger, always ensure that both rear seat buckles are secured.



WARNING

The FUV is a motorcycle (not a car) and does not meet automotive frontal crash and impact standards. In the event of a rollover or crash, an unbelted person is significantly more likely to be thrown from a vehicle than a person wearing a seat belt.



WARNING

Never use the seat belt system for children under the age of 12 years or to install an infant seat or child seat. Never use the seat belt system for persons who weigh less than 88 lbs or those who are less than 4'-11" tall, regardless of age. Death or serious injury can occur.

SEAT BELTS



WARNING

Never wear the shoulder belt under your arm or behind your body. Always wear both seat belts. Never wear just one. Failure to wear the seat belts properly could result in serious injury or death.

Fastening the Seat Belts

Get in and make sure your back is flat against the seat and your feet are flat on the floor, then secure both seat belts.

1. With your right hand, reach across and smoothly pull the belt downward and across your left shoulder and lap.
2. Make sure the webbing is not twisted, and insert the tongue into the buckle on the right side of the seat until you hear a “click.” Give a tug on the tongue to ensure the buckle is locked.
3. The seat belt should be tight across the lap belt and shoulder belt, and there should not be any slack. If there is any slack, tighten the seat belt by pulling up

on the shoulder belt, which will take up the additional slack.

4. With your left hand, reach across and smoothly pull the belt downward and across your right shoulder and lap
5. Make sure the webbing is not twisted, and insert the tongue into the buckle on the left side of the seat until you hear a “click.” Give a tug on the tongue to ensure the buckle is locked.
6. The seat belt should be tight across the lap belt and shoulder belt, and there should not be any slack. If there is any slack, tighten the seat belt by pulling up on the shoulder belt, which will take up the additional slack.

Verify a Proper Fit

To work properly, the seat belts rely on a proper fit. A slack seat belt greatly reduces occupant protection.

Once both seat belts are clipped in, make sure that both belts are snug.

With your feet flat on the floorboards, and your back against the backrest, the shoulder straps should cross right in the center of your chest, and the lap belt should fit snugly across your hips.

Make sure you can easily reach the Foot Brake Pedal and that your arms are slightly bent when holding the handlebars. Your chest should be at least 10 inches (25 cm) from the center of the handlebars.

Releasing the Seat Belts

To release the seat belts, press the rectangular red button at the center of the each buckle, on each side of the seat.

Hold the belt near the buckle to prevent the belt from retracting too quickly, then press the button on the buckle. The belt retracts automatically.

Ensure there is no obstruction that prevents the belt from fully retracting.



WARNING

The seat belts should not hang loose. If a seat belt does not fully retract, contact Arcimoto Product Support at (541) 780-0032 for service.

Inspecting the Seat Belts

Inspect all seat belts for proper operation before each use.

1. Push the latch plate into the buckle until it clicks. The latch plate must slide smoothly into the buckle. A click indicates that it's securely latched.
2. Push the red button at the center of the buckle to make sure it releases freely.
3. Pull each seat belt completely out and inspect the full length for any damage, including cuts, wear, fraying or stiffness.

If any damage is found, or if the seat belt does not operate properly, have the seat belt system checked by an Arcimoto Service Technician.

SEAT BELTS

Contact Product Support at (541) 780-0032 for assistance.

Cleaning the Seat Belts

To clean dirt or debris from the seat belts, sponge the straps with mild soap and water.



WARNING

Do not allow water, cleaners, or fabric to enter a seat belt mechanism. If you notice any damage on a seat belt, contact Arcimoto Product Support at (541) 780-0032 for assistance.

- Do not use bleach, dye or household detergents.
- Do not let wet seat belts dry in the sun. Move the FUV to a shaded area until the belts are totally dry.
- Make sure that seat belts are totally dry before allowing them to retract.

Seat Belts - Warnings



WARNING

If a seat belt is worn during a crash or collision, it must be replaced by an authorized Arcimoto technician even if damage is not obvious.

After an accident, in addition to replacing seat belts which were in use, Arcimoto will also carefully inspect all seat belt attachment points for deformation or cracks.

- Seat belts should be worn by all occupants at all times, even if driving for a short distance.
- Ensure that both seat belts are worn correctly.
- Do not wear seat belts over hard, fragile or sharp items in clothing, such as pens, keys, eyeglasses, etc.
- Seat belts should not be worn with any part of the strap twisted.
- Each seat belt must be used by one occupant only.

- Seat belts that show signs of wear (such as fraying), or have been cut or damaged in any way, must be replaced by Arcimoto.
- Avoid contaminating seat belt components with any chemicals, liquids, grit, dirt or cleaning products.
- If a seat belt fails to retract or latch into the buckle, it must be repaired or replaced by Arcimoto.
- If the seat belts get wet, do not allow them to dry in direct sunlight. To avoid potential damage, always let the seat belts dry in a shaded area.
- Do not make modifications or additions that can prevent a seat belt mechanism from taking up slack, or that can prevent a seat belt from being adjusted to remove slack.
- Do not make modifications that can interfere with the operation of a seat belt, or that can cause a seat belt to become inoperable.
- When seat belts are not in use, they should be fully retracted and not hanging loose.

Wearing Seat Belts When Pregnant

Seat belts can be worn safely while pregnant, as long as the following guidelines are observed:

- Do not put the lap or shoulder sections of the seat belt over the abdominal area. Wear the lap section of the seat belt as low as possible across the hips, not the waist.
- Position the shoulder portion of the seat belt between the breasts and to the side of the abdomen.
- Consult your doctor for specific guidance.

SEAT BELTS

Seat Belts - Children

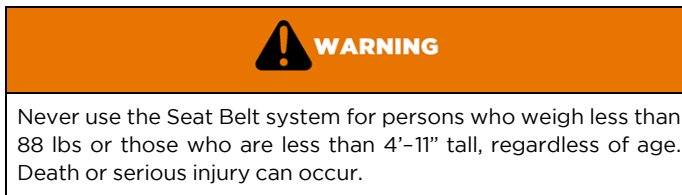
Only children age 12 or older who are at least 88 lbs. (40 kg) and 4'-11" (1.5 m) tall should ride in the FUV. Children that require either child seats (including infant seats) or booster seats should NOT ride in the FUV.



The seat belts in the FUV are designed to perform based on average adult body measurements. To work properly, the seat belts rely on a proper fit.

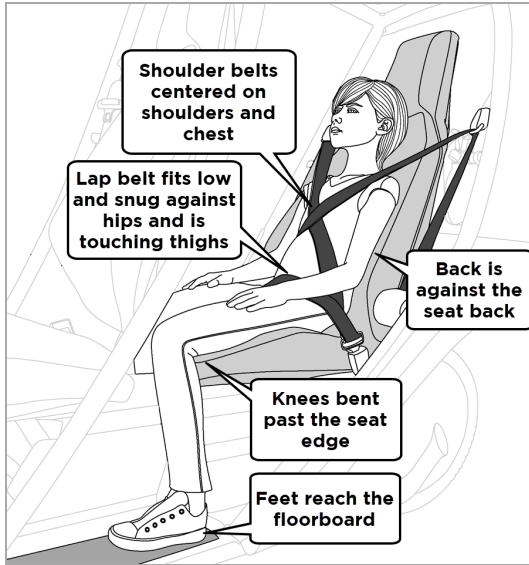
Only children that meet all of the following guidelines can ride safely in the FUV:

- The child sits all the way back against the seat back.
- The child's knees bend comfortably at the edge of the seat, and their feet reach the floorboards.
- The lap belt naturally rests below the child's belly, touching the top of their thighs.
- Both shoulder belts are centered across the child's shoulders and chest.
- The child is able to stay seated like this for the entire planned trip.
- The child is at least 12 years old.
- The child weighs more than 88 lbs (40 kg).
- The child is at least 4'-11" (1.5 m) tall



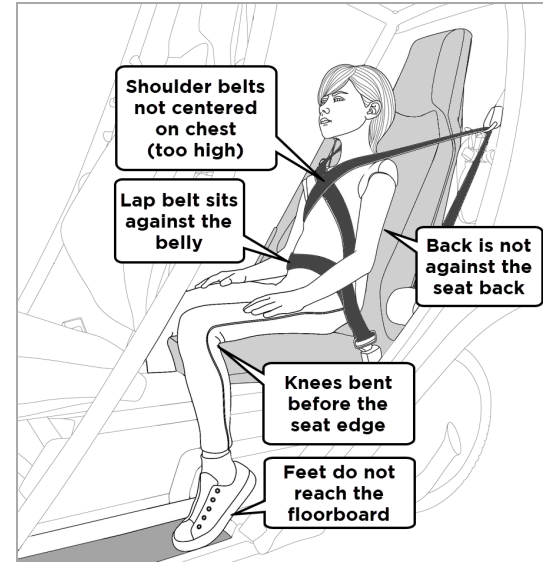
SEAT BELTS

Example - Seat Belts **CORRECT FIT**



This illustration shows how the seat belts should fit on a passenger in the rear seat.

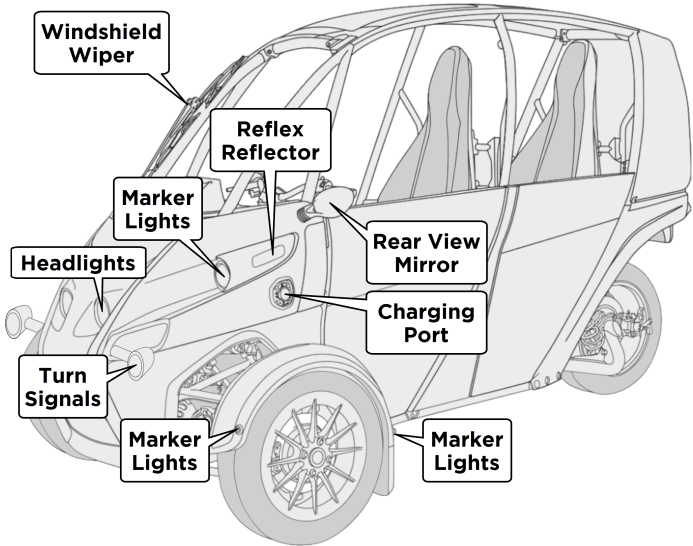
Example - Seat Belts **INCORRECT FIT**



This illustration shows a passenger that is too short to safely ride in the rear seat.

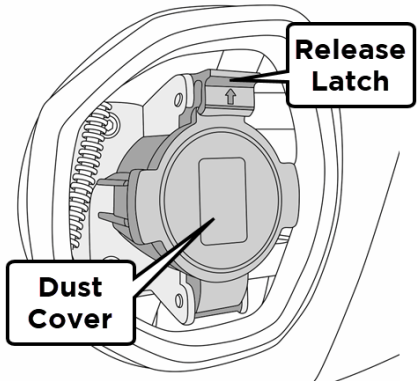
SEAT BELTS

Exterior Components



Charging Port

The Charging Port is on the left side of the FUV, below the left side mirror.



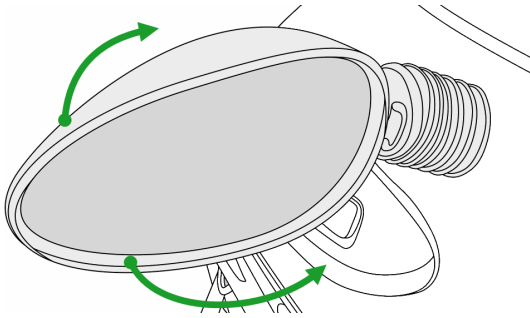
To open, lift the latch at the top to release the cover.

NOTE
Refer to the Charging section on page [121](#) for details on safely charging the FUV.

EXTERIOR COMPONENTS

Mirrors

The FUV is equipped with adjustable side mirrors, one on each side.



To improve rear visibility, always check both mirrors before each ride and adjust as necessary.

To adjust the mirrors, grasp the plastic housing and flex the mirror into the desired position. Do not press on the glass.

Windshield and Roof

The Windshield and Roof are both made of high quality clear polycarbonate.



WARNING

The FUV Roof is not a safety device or roll cage. It is not intended to protect the occupants in the event of a rollover or other unforeseeable event. This Roof is not intended to haul cargo. NEVER attach straps, or haul objects of any type or weight on this Roof.

Failure to follow these warnings could lead to serious injury or death.

The polycarbonate Windshield and Roof can be permanently damaged by acidic liquids.

Note that many common household cleaning products and beverages can damage the Windshield and Roof.

EXTERIOR COMPONENTS

These include:

- Fruit juices
- Coffee
- Soda
- Alcohol
- Citrus-based cleaners
- Vinegar
- Ammonia
- Bleach

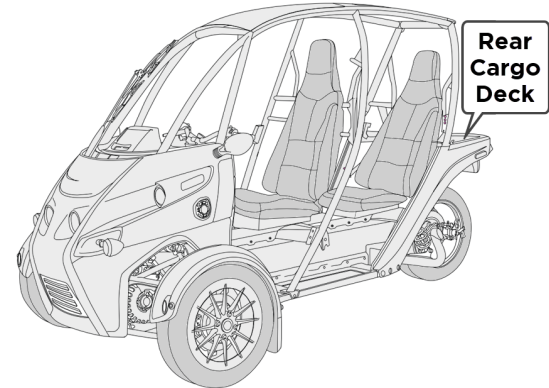


CAUTION

Never use glass cleaners on the Windshield or Roof. Glass cleaners can cause permanent damage.

Rear Cargo Deck

Use the Rear Cargo Deck to carry loads of up to 30 lbs. See page [28](#) for details on determining the overall maximum load allowed on the FUV.



CAUTION

Never overload the Rear Cargo Deck. Too much weight can have an adverse effect on braking and handling (see page [15](#)).

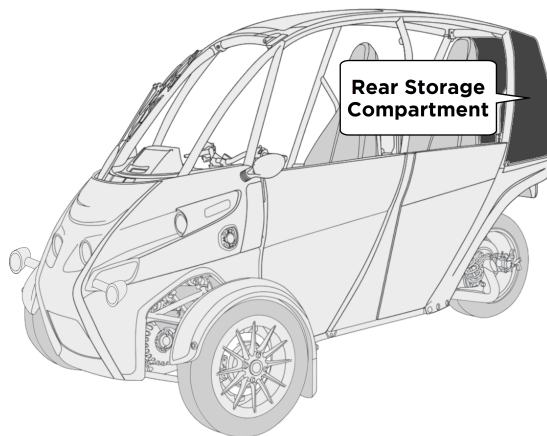
EXTERIOR COMPONENTS

- The maximum weight limit for the Rear Cargo Deck is **30 lbs (13.6 kg)**.
- The overall weight limit for the FUV (GVWR) is **1800 lbs (817 kg)**.

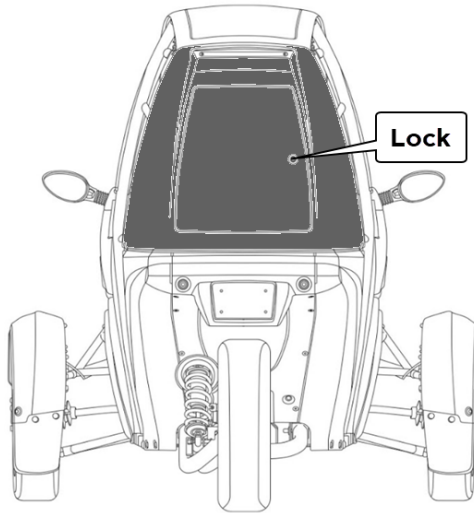
Use hooks, straps and tie downs as necessary to ensure that everything on the cargo deck is secured before driving.

Lockable Rear Storage Compartment (Optional)

Use the (optional) Lockable Rear Storage Compartment to carry loads of up to 30 lbs. See page [28](#) for details on determining the overall maximum load allowed on the FUV.



EXTERIOR COMPONENTS



- The maximum weight limit for the Rear Storage Compartment is **30 lbs (13.6 kg)**.
- The overall weight limit for the FUV (GVWR) is **1800 lbs (817 kg)**.

Use hooks, straps and tie downs as necessary to ensure that everything in the storage compartment is secured before driving.



CAUTION

Never overload the Rear Storage Compartment. Too much weight can have an adverse effect on braking and handling (see [page 15](#)).

EXTERIOR COMPONENTS

Removable West Coast Doors (Optional)



To open the doors, pull the release latch on the inside or outside of the door.

The doors are secured with a spring-loaded latch when they are shut.



CAUTION

Always verify that all doors are closed and fully latched before driving.



WARNING

The half-doors on the FUV are designed to help shield the occupants from ordinary weather conditions.

Do not rely in any way on these doors to contain occupants within the vehicle or to protect against injury or death in the event of an accident. Always wear seat belts (see page [85](#)).

Failure to follow these warnings could lead to serious injury or death.

EXTERIOR COMPONENTS



CAUTION

Always check for traffic before opening the doors.

Never open the door of an FUV on the side adjacent to moving traffic unless and until it is safe to do so, and can be done without interfering with the movement of other traffic.

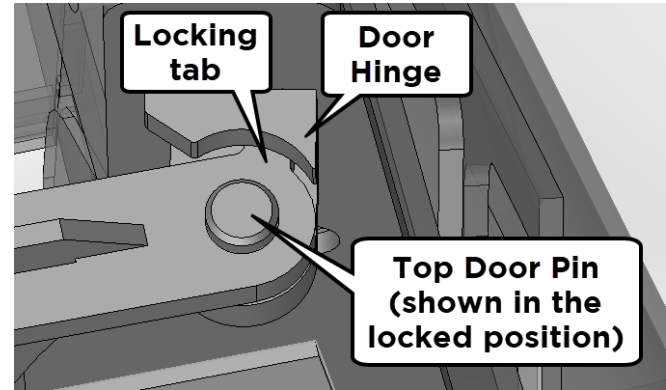
Never leave a door open on the side of an FUV adjacent to moving traffic for a period of time longer than necessary to load or unload passengers.

Removing the Doors

Before removing the doors, consider setting up a place to properly store and protect them.

- Always rest the doors on wood, solid cardboard or fabric to prevent damage.
- If you're standing them up against each other, use a blanket or a piece of cardboard to separate the doors and make sure they can't be knocked over.
- If you plan to take your doors off often or for extended periods, consider using storage hangers.

The doors attach to the FUV frame using pins that insert into hinges on the frame. The top pin on each door has a locking tab that prevents the doors from being removed during normal use:

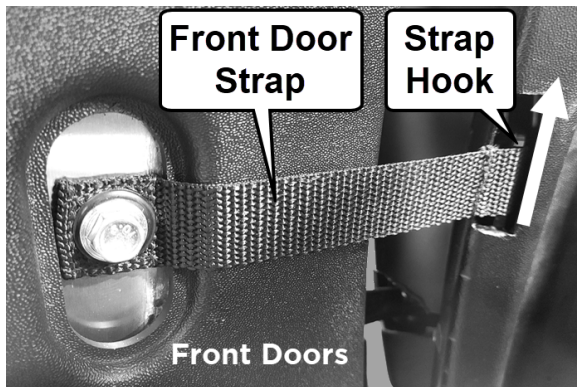


When the door is opened wide enough, the door can be lifted up and out of the hinge.

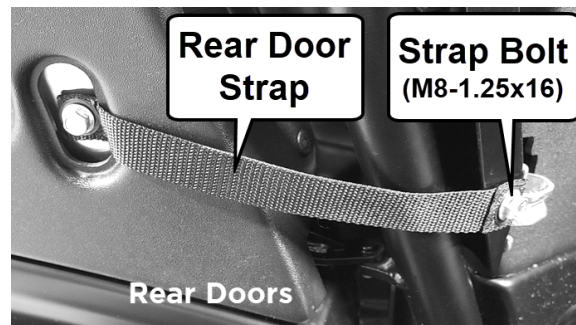
EXTERIOR COMPONENTS

1. Unlatch the door and open it as far as possible; the Door Strap prevents the door from opening too far.
2. Remove the Door Straps to allow the doors to open much further.

For the front doors unhook the Front Door Strap from the front body panel:



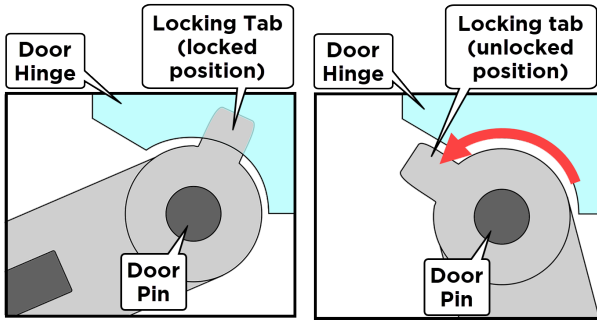
For the rear doors, use a 12mm socket to remove the Strap Bolt that secures the Rear Door Strap to the frame:



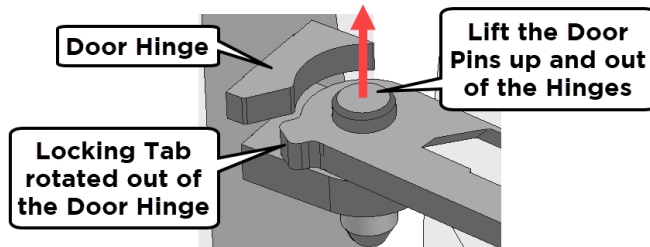
After removing the Rear Door Strap, replace the Strap Bolt in the frame.

3. Open the door further, and observe the top door pin. The Locking Tab needs to be rotated out of the Door Hinge to unlock the door for removal:

EXTERIOR COMPONENTS



4. Grasp the bottom of the door and lift straight upward to slide the Pins on the door up and out of the Door Hinges.



Installing the Doors

1. Position the door so that both pins on the door are aligned with the hinges on the frame.
2. Open the door and observe the top door pin. The Locking Tab needs to be rotated to allow the Door Pin to slide completely into the Hinge.
3. Lower the door, making sure that each pin is inserted into its respective hinge. It may be necessary to push downward slightly to seat the pins fully within the hinges.
4. Once the pins are fully seated in the hinges, close the door to latch it shut.
5. Replace the door strap.

Torque the Strap Bolt that secures the Rear Door Strap to the frame to 12 FT-LBS.

EXTERIOR COMPONENTS

Pre-Ride Inspection

To help keep your FUV in safe operating condition, always perform these pre-ride inspections before each use. This is especially important before making a long trip and when removing the vehicle from storage.

If you find anything that needs adjustment, replacement or repair, contact Arcimoto Product Support at (541) 780-0032 for service.



CAUTION

Failure to perform recommended pre-ride inspections could lead to a reduced level of safety.

You must be familiar with all instruments and controls to perform the pre-ride inspections. See the *Controls* section on page [43](#).

Turn the key to the ON position to perform electrical pre-ride inspections. Return the key to the OFF position after completing these inspections.

If inspection of any electrical item reveals component failure, repair or replace the component before operating the vehicle.

Electrical

Electrical Pre-Ride Inspection

Charge Level	Check the Battery Charge Level Indicator (on the Display) for an adequate charge Level. Charge as needed.
Front Lights	Turn the key to the ON position. Verify that the headlights and auxiliary lights (if equipped) illuminate. Switch to high beam. Verify that the high beam indicator comes on and that headlamp brightness increases.
Rear Lights	Verify that the taillights, reverse lights and license plate light illuminate. Apply the brakes and verify that the tail light lamps increase in brightness.

PRE-RIDE INSPECTION

Electrical Pre-Ride Inspection (Cont.)	
Turn Signals	Verify that the left and right turn signals flash at the front and rear of the vehicle, and that the corresponding indicator lamp flashes in the gauge.
Emergency Flashers	Press the top of the hazard switch to turn the flashers on. Verify that all four turn signals flash, as well as the indicator lamps in the gauge. Press the bottom of the switch to turn the flashers off. Verify that all signals and indicator lamps stop flashing.
Horn	Press the horn button. Verify that the horn sounds loudly.
Steering	Check for smooth operation : <ol style="list-style-type: none">1. Position the FUV on a level surface.2. Turn the handlebars left, then right. The action should be smooth, not loose.

General

General Pre-Ride Inspection	
Seat Belts	Check all seat belts for damage (including cuts, wear, fraying or stiffness) and to ensure smooth operation. Verify that the latch plate slides smoothly into the housing and clicks to indicate that it's securely latched. Verify that the buckle releases freely. Ensure there is no obstruction that prevents the belt from fully retracting.
Tires	Inspect tire condition, pressure and tread depth.
Wheels	Inspect for loose, damaged or missing wheel nuts.
Park Brake	Verify that the FUV does not roll when the park brake is engaged.
Brake System	Check the foot brake pedal for excessive travel or a spongy feel. Inspect brake system hoses, connections and brake pads.

PRE-RIDE INSPECTION

General Pre-Ride Inspection (Cont.)	
Throttle	Check throttle, ensure smooth operation and full return.
Front Suspension	Check for leaks or damage, verify smooth operation.
Rear Suspension	Check for leaks or damage, verify smooth operation. Ensure the correct amount of suspension travel and ground clearance. See CAUTION below.
Fasteners	Inspect entire vehicle for loose, damaged or missing fasteners. Always replace stripped, damaged or broken fasteners before riding.
Mirrors	Adjust for proper side and rear view.
Windshield Wiper	Check for damage, verify smooth operation.
Washer Fluid Reservoir	Check that the windshield wiper fluid level is between the MIN and MAX marks on the reservoir. Refill as necessary (see page 131).



CAUTION

Inadequate ground clearance could result in components contacting the ground, causing loss of control and serious injury or death. Always ensure ground clearance is at specification.

If any damage is found, have the FUV checked by an authorized Arcimoto technician.

In addition to these pre-ride inspections, the FUV requires regular scheduled maintenance to ensure safety and to keep the FUV in top running condition. Refer to page [171](#) for details.

PRE-RIDE INSPECTION

Operation

Before You Start

1. Read and understand this Owner's Manual before starting the FUV for the first time.
2. Perform the *Pre-Ride Inspections* described on page [103](#).

New Vehicle Break-In Procedure

Many vehicle components on the FUV require a "break-in" period, for maximum safety and long-term performance. For example, during the first 100-500 miles tires, brakes and suspension joints will all wear in to their standard service life condition.

Do not expect full performance from tires for the first 100 miles or brakes for the first 300-500 miles. Allow extra following distance and moderate braking during this period.

Avoid aggressive driving and overheating the brakes, as this can damage the brake pads and brake rotors.

During break-in period the sounds of the brakes will change, and steering will become slightly easier.

Aside from these recommendations, we do not recommend any special treatment. Drive normally and use the brakes as necessary for safety.

Fasten Seat Belts

1. Sit upright in the seat, back flat against the backrest and both feet flat on the floorboard.
2. Fasten both seat belts, and make sure that a passenger does the same.

Ensure that the seat belts fit snugly across the shoulders, chest and lap. Make sure the belts are not twisted. See page [85](#) for details on using the seat belts.

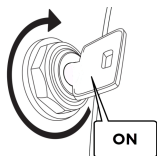
NOTE

As a safety feature, both front seat belts must be latched for the FUV to allow motion.

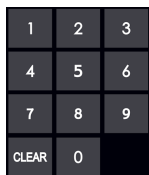
OPERATION

Turn the FUV ON

Before the FUV can be started, it must first be turned ON. There are two ways to turn the FUV ON:



Key Switch - Insert the Key and turn the Key switch to the ON position.



PIN entry on the Display - Touch the Display to invoke the PIN entry page. Enter the 6-digit PIN for your FUV and press ENTER.

Refer to the [Working With PINs section on page 81](#) for details.

When the FUV is turned on (either via the Key or the Enter PIN keypad on the Display), the first screen displayed is the Arcimoto logo screen

In a few seconds, the Startup Screen displays, providing visual instructions and queues to start the FUV.

START the FUV



Note that the Motor Off telltale lights for 2-3 seconds after the FUV is turned ON, while the FUV is electrically prepared for driving. When this light turns off, the FUV is ready to go.

1. Sit down in the FUV, and **fasten the front seat belts**.

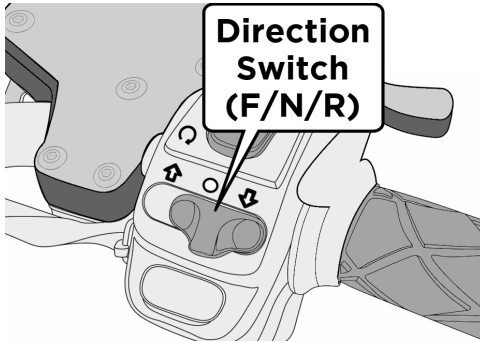


If the Driver's seat belts are not fastened when the FUV is powered up, the seat belt Warning indicator is illuminated on the Display.

NOTE

As a safety feature, both front seat belts must be latched for the FUV to allow motion.

2. Set the Direction switch on the right grip to **Neutral** (•).



NOTE

As a safety feature, the Direction switch must be switched from Neutral to Drive (or Reverse) before the FUV will move.

If the FUV is started with the Direction switch in either Drive or Reverse, the FUV will not move until the Direction switch is moved to Neutral then back to Drive (or Reverse).

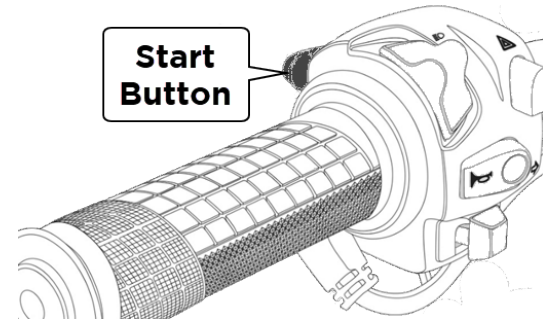
As the screen indicates, press the foot brake completely down. When the brake pedal is pressed sufficiently, a green check mark appears on the screen, replacing the brake pedal graphic.

NOTE

Refer to the [Startup Screens section on page 36](#) for details on the Startup screen images.

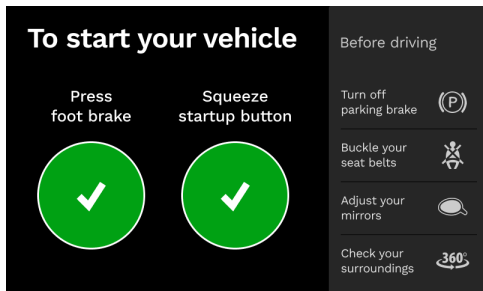
Note that the screen indicates if the brake pedal has not been pressed sufficiently. In this case, apply more pressure to the brake pedal, until a green check mark appears.

Once the green check mark displays for the brake pedal, squeeze the Startup button on the left grip (see [page 43](#)):



OPERATION

This will update the screen again, with a green check mark replacing the Startup Button graphic:



Once the FUV is started, release the START button.

Once started, the Display changes to show the Drive screen. At this point, the FUV is started and is ready to drive.

NOTE

If the FUV does not start, release the button, re-apply pressure to the Brake Pedal, and try again.



CAUTION

If the HV Power, 12V Power or Brake Failure indicators remain lit after the FUV is started, turn off the FUV and contact Arcimoto for assistance at 541-780-0032.

Release the Parking Brake

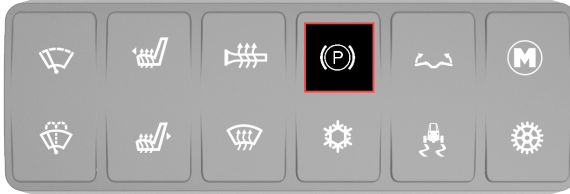
The Parking Brake must be released before driving.



WARNING

Don't drive until the parking brake is fully disengaged. Driving the FUV with the parking brake engaged or partially engaged can damage the brakes.

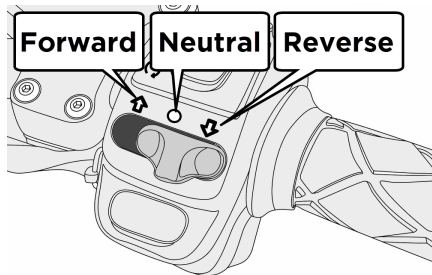
With the Brake pedal depressed, press the Parking Brake button on the Control Panel:



The Parking Brake is fully released when all 3 LEDs on the button are off (approximately 3 seconds).

Get In Gear

Set the Direction switch on the right grip to Forward (↑) to go forward.



Set the Direction switch to Reverse (↓) to go backwards. Refer to page [48](#) for details on the Direction switch.

Accelerating and Decelerating

Gently twist the throttle toward you to accelerate (see page [43](#)). For even acceleration, twist the throttle smoothly.

NOTE

As a safety feature, both front seat belts must be latched for the FUV to allow motion.

CAUTION

Always check the Direction switch before twisting the throttle.

WARNING

Be sure the path is clear of obstructions, including people and animals, before twisting the throttle.

OPERATION

Do not fully twist your wrist; otherwise, you can quickly accelerate to 75 mph! Be gentle and smooth in your motions as you get used to the instant torque of the FUV.



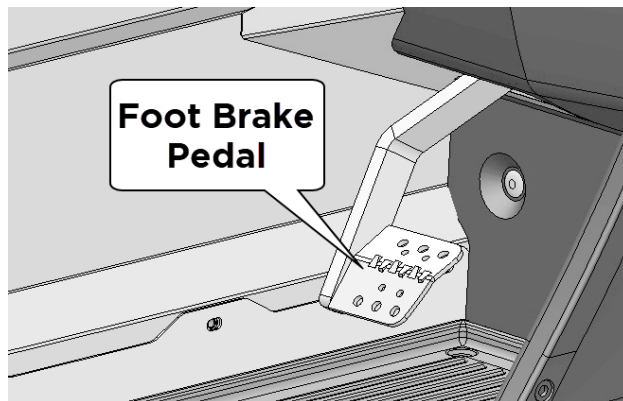
WARNING

Accelerating abruptly could cause loss of control on low traction surfaces, which could result in serious injury or death. Always accelerate gradually, especially on wet, slippery or other low traction surfaces.

Twist the throttle away from you to decelerate. You can also release your grip and allow the throttle to automatically return to the rest position.

Braking

Use the foot pedal (see page [52](#)) to activate the hydraulic brake system.



Braking Safety



WARNING

Always apply the brakes gradually, especially on wet, slippery or other low traction surfaces. Avoid braking in a tight curve or hard turn. Braking improperly could result in loss of control, which could result in serious injury or death.

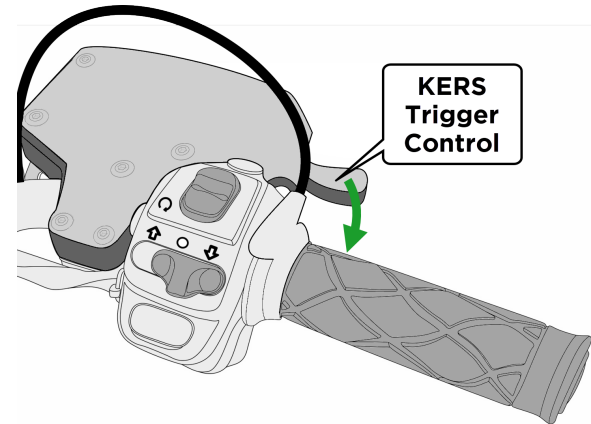
Always use the brake pedal when you are stopped on an incline. Do not hold the FUV using partial throttle or damage to the motor may occur.

Always allow a sufficient stopping distance so that brakes can be applied gradually. Practice braking in a safe area to become familiar with the feel of the FUV brakes before driving in traffic.

Be careful when braking on slippery surfaces - in wet conditions, always maintain a greater distance from the vehicle in front of you.

Kinetic Energy Recovery System ("KERS")

The FUV features a kinetic energy recovery system (or "KERS"), activated by the KERS Trigger Control on the right hand grip:



OPERATION

This feature allows you to harness kinetic energy from the moving FUV to recharge the Batteries while you slow down. When the KERS Trigger Control is squeezed, the FUV feeds energy back to the Batteries, and increases the charge level. This is known as REGEN power.

The KERS Trigger Control is sensitive - squeeze it lightly for a slight regen effect, squeeze it harder for maximum energy recovery.

Squeezing the KERS Trigger Control has two effects:

1. *REGEN power is fed back to the Batteries.* The Display indicates REGEN power as a green bar on the left (REGEN) side of the Power Meter:



This bar increases and decreases to indicate the current level of REGEN power being fed back to the Batteries, in real time.

2. *The FUV will slow down.* Note that for safety purposes, squeezing the KERS Trigger Control will activate the tail lights to alert other drivers that you are slowing down.



WARNING

Activating the Kinetic Energy Recovery System will cause the FUV to slow down. However, the KERS Trigger Control is NOT a brake. Always use the Brake Pedal to completely stop the FUV. Braking improperly could result in loss of control, which could result in serious injury or death.

Practice using the KERS Trigger Control as much as possible - it will substantially increase your range.

Kinetic Energy Recovery System - Limitations

There are circumstances in which the Kinetic Energy Recovery System will not activate when the KERS Trigger Control is squeezed:

- When the battery charge level is already at or above 80%. In this case, a warning message is displayed to indicate that the Kinetic Energy Recovery System is reduced, severely reduced, or turned off entirely. This is to prevent damage to the Batteries from being overcharged.
- The Kinetic Energy Recovery System is automatically restored when battery charge level falls below 80%.
- In temperatures near or below freezing (32°F / 0°C). See the [Cold Weather - Best Practices section on page 120](#) for more information.
- When the FUV is traveling at slow speeds (less than 15 mph).
- When the FUV is in reverse.

In each of these cases, there will not be a slowing effect when the KERS Trigger Control is squeezed, and no power will be fed to the Batteries.

When the Kinetic Energy Recovery System is limited or disabled, a system message is provided on the Display (see page [1](#)).



CAUTION

Use caution when using the Kinetic Energy Recovery System in slippery conditions. Always maintain a safe driving speed according to the road and weather conditions in order to reduce the risk of an accident.

Driving in Reverse

To back up the FUV, switch the Direction switch to Reverse (see page [48](#)).



CAUTION

Do not attempt to shift into reverse while the FUV is moving.

1. Use the Foot Brake Pedal to bring the FUV to a complete stop (see page [43](#)).

OPERATION

2. Set the Direction switch to NEUTRAL (•).
3. Always check for obstacles or people behind the vehicle, and always inspect left and right fields of vision before operating in reverse.
4. When it's safe to proceed, switch the Direction switch to REVERSE (↵).
5. Release the Foot Brake Pedal.
6. Very gently, twist the throttle to start moving rearward.



CAUTION

Be careful when driving the FUV in reverse - the FUV is inherently less stable when moving backwards. For safety, torque and speed are limited when in reverse.

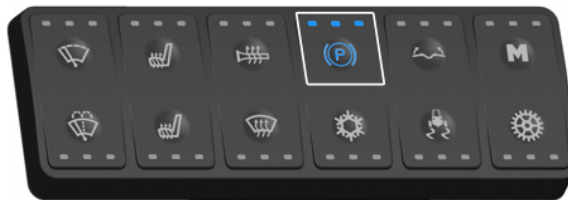
- Avoid making sudden steering movements and never apply hard throttle in reverse.
- Always observe your path of travel and be alert to traffic, pedestrians, and obstacles at all sides of the vehicle while in reverse.

- When in reverse, speed is limited to 8 MPH (12.8 km/h).

Parking and Shut Down

When your ride is over, park your FUV in a safe spot, put it in Neutral, and always engage the Parking Brake before turning the FUV off:

1. Find a safe spot to park, and bring the FUV to a complete stop.
2. With the brake pedal depressed, press the Parking Brake button on the Control Panel to engage the Parking Brake.



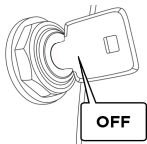
The Parking Brake is fully engaged when all three LEDs on the Parking Brake button are lit (approx three seconds).

Additionally, the Parking Brake telltale on the Display lights to indicate that the Parking Brake is engaged (see page [1](#)).

3. Slide the Direction switch to the center Neutral position (see page [48](#)).
4. Turn the FUV Off (see page [107](#)).
5. Release the brake pedal.

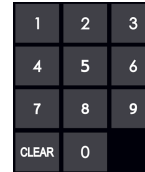
Turn the FUV OFF

There are two ways to turn the FUV OFF:



Key Switch - Turn the Key switch to the OFF position.

When leaving the FUV, always take the Key with you, and always keep the Key out of reach of children.



PIN entry on the Display - Touch the OFF button on the display to invoke the PIN entry page.

Enter the 6-digit PIN for your FUV and press ENTER.

Refer to the [Working With PINs section on page 81](#) for details.

Extended Range Mode

The **Extended Range Mode** feature allows the FUV to travel approximately 20% further than usual on fully charged Batteries.



Use of extended range mode will accelerate battery wear and will reduce battery life. When in this mode, drive away immediately when fully charged and charge up immediately when fully discharged to avoid permanent battery damage not covered under warranty.

OPERATION

Understanding Extended Range Mode

For optimal battery life, the HV Batteries should never be allowed to be fully charged or fully discharged and allowed to sit in this state for any extended period of time.

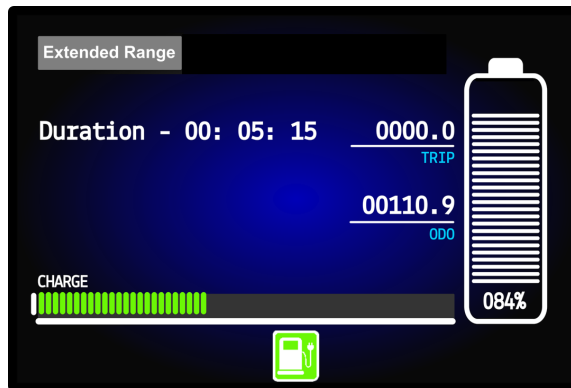
Letting the HV Batteries sit while either fully charged or fully discharged - even only a few times - can dramatically reduce the lifespan of the HV Batteries.

For that reason, the FUV normally stops charging the HV Batteries at 90%, and indicates empty when there is approximately 10% of charge left.

However, there may be specific cases when you want to reach a destination that is slightly outside of this range. *Extended Range Mode* allows you to unlock all of the energy in the HV Batteries to get the extra miles you need.

Enabling / Disabling Extended Range Mode

Extended Range Mode is enabled and disabled via the **Extended Range** button on the Charging Screen.

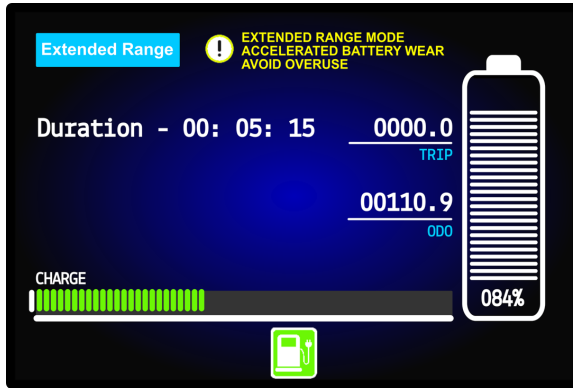


To enable Extended Range Mode:

1. Plug the FUV into a charging station to invoke the Charging Screen.
2. Press the **Extended Range** button.

3. Read the warning message, and press **CONFIRM**.

When the Extended Range button turns blue, the FUV is in Extended Range mode.



To disable Extended Range Mode:

When in Extended Range Mode, press the (blue) **Extended Range** button again. The button turns gray to indicate that Extended Range Mode is now turned off.

Extended Range Mode is automatically disabled when the FUV is turned off and restarted. Extended Range Mode is also automatically disabled when the FUV is plugged in to a charging station.

Proper Use of Extended Range Mode

To avoid damaging the Batteries, only use *Extended Range Mode* as follows:

When Extended Range Mode is activated, it is crucial that you begin driving immediately after the FUV is fully charged.

Letting the FUV sit while fully charged in Extended Range Mode can permanently damage the HV Batteries. Battery damage due to improper use of Extended Range Mode is not covered by the Warranty.

Do not activate Extended Range Mode unless you intend to drive away as soon as the FUV is fully charged.

OPERATION

When Extended Range Mode is activated, it is crucial that you recharge the FUV immediately after arriving at your destination.

Letting the FUV sit while fully discharged in Extended Range Mode can permanently damage the HV Batteries. Battery damage due to improper use of Extended Range Mode is not covered by the Warranty.

Cold Weather - Best Practices

As is the case for all EV vehicles, the FUV is affected by cold temperatures. Generally, voltage and power output tend to decline as temperatures approach freezing, which may affect performance.

The FUV features several safeguards to protect the battery system in harsh cold weather conditions. We recommend you follow these best practices when driving in cold weather.

- When you return home, keep your FUV plugged in. The FUV is safe to be plugged in for any length of time.

- If the battery is cold when you begin driving, the typical slowing effect that occurs when the KERS Trigger Control is squeezed may be limited. In this case, we recommend using the hydraulic foot brake. Wait until you have less than 60 percent state of charge to use the KERS Trigger Control for slowing down the FUV.
- Once you start driving and the battery begins to warm up, your charge percentage may increase as more energy in the pack is made available.
- To prevent battery damage, the FUV automatically prevents the charger from charging when the battery temperature is below 32°F (0°C).

NOTE

The environmental temperature does not directly determine the speed of charging. For example, a warm battery in freezing outdoor temperatures will charge fine. However, if the battery is allowed to cool off in freezing temperatures, charging will be inhibited.

Charging

The FUV comes equipped with a portable 120V Level 1 Electric Vehicle Supply Equipment (EVSE). This EVSE is suitable for home use, and is portable. Take it with you to charge the FUV using any standard NEMA 5-15 or 5-20 120V electrical outlet.



Alternatively, use any public J-1772 compatible Level 1 charging station.

Level 1/Level 2/Level 3

There are three different "Levels" of charging available for EVs, usually called "Level 1", "Level 2", and "Level 3". Each Level represents a different charging rate:

Level 1 Charging

"Level 1" refers to charging from a standard 120-volt household power outlet. This method of charging will fully re-charge the FUV overnight.

The FUV supports Level 1 charging when used with the supplied (or other appropriate) Level 1 Charging Cable.

Level 2 Charging

"Level 2" refers to charging from a 240-volt power outlet, either at home or at a public charging station. Level 2 charging is available at most public chargers.

The FUV supports Level 2 charging when used with an appropriate Level 2 Charging Cable (not supplied).

CHARGING

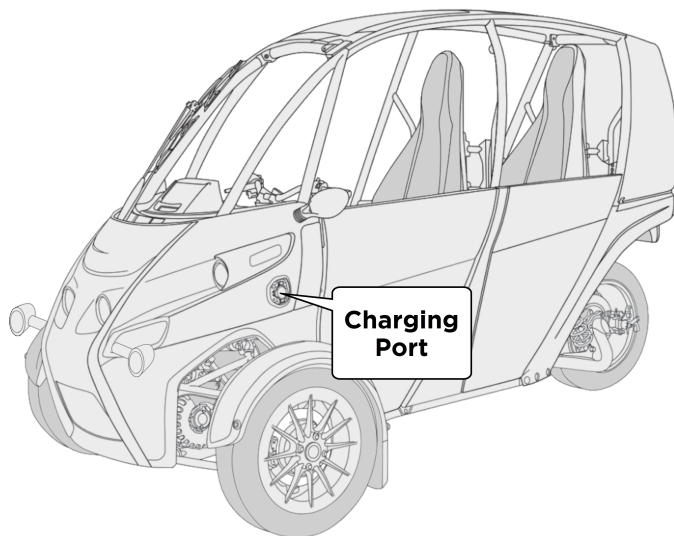
Level 3 Charging

"Level 3" charging, also known as "Fast Charging", bypasses the onboard vehicle charger. There are three different connector standards: CHAdeMO, CCS and Tesla™.

The FUV does not support Level 3 charging.

Charging the FUV

The Charging Port is located on the left side of the FUV, below the left side mirror.

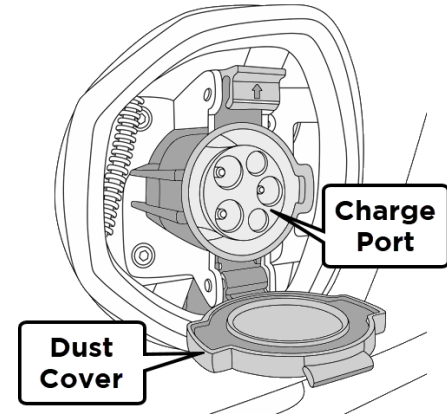




WARNING

Always charge the FUV in a location that is well ventilated and away from combustibile materials. In cases of unusual smells (like bubblegum, for example) developing, smoke, or burn marks, stop the charging process immediately. Leave the danger area immediately. Secure the danger area at a suitable distance and contact Arcimoto Product Support at: (541) 780-0032.

1. Stop and park the FUV near a charge port. Park the FUV so that the charge cable easily reaches the charge port.
2. Set the Direction switch to Neutral, and engage the Parking Brake.
3. Turn the FUV off (turn the key to the Off position).
4. Lift the Release latch, and open the dust cover.



5. Plug the charge cord into the electrical outlet.
6. Plug in the vehicle plug of the charge cord into the charge port on the FUV.

The charging telltale illuminates on the Display, and an audible beep indicates that charging has started.

CHARGING

Watch the Charge Level indicator on the Display to monitor progress and see the current level of charge.

While the charge cord is plugged into the FUV, the FUV cannot be driven.

Stop Charging the FUV

1. Unplug the vehicle plug of the charge cord from the FUV.
2. Close the charge port door.
3. Unplug the charge cord from the electrical outlet.

Estimated Charge Time

Charge times are estimated based on charging the FUV from 20% to 90%.

- Using the included Level 1 EVSE on a 120V electrical outlet: 12 hrs
- Using an (optional) Level 2 EVSE on a 240V electrical outlet: 3.5 hrs

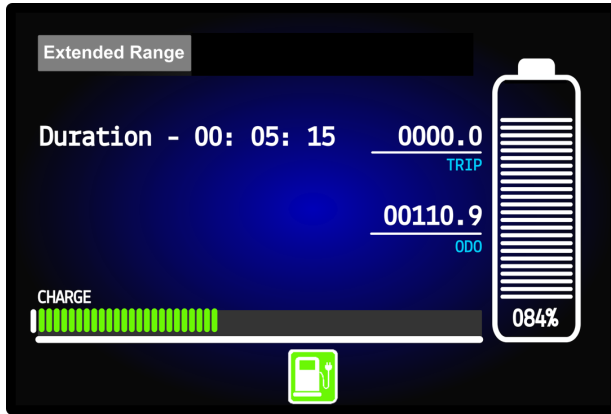
Actual times may vary due to external conditions. For example, very high temperature and low temperature will reduce charging speed.

NOTE

After the FUV reaches its maximum charge level for the battery temperature (typically 90%), the FUV stops charging activity and begins to slowly discharge. Once the battery reaches -83% state of charge, it restarts the charging process, and brings the FUV back to its maximum charge level again.

Display - Charge Information

When the FUV is plugged in and charging, the display indicates the current charge level and the amount of time that the FUV has been charging ("Duration"):



Plug It In!

These three words are the best advice we give. To get the maximum lifespan out of your HV Battery Pack, just keep the FUV plugged-in when not in use. The electronics in the FUV will keep the battery full, well balanced and ready for use without any risk of overcharging.

Thermal sensors continuously keep an eye on the battery temperature to avoid overheating.

When you finish a drive, plug the FUV into a charging station right away, while the Battery Pack is still warm from the drive. This way, it can be charged at full power, even when the outside temperature is very low.

This is good for the long-term health of the HV Battery Pack because it helps ensure that the FUV is always fully charged and ready to roll.

Charging - IMPORTANT SAFETY INSTRUCTIONS

Charging an electric vehicle can stress a building's electrical system more than a typical household appliance.

Before plugging into any electrical outlet, have a qualified electrician inspect and verify the electrical system is rated appropriately.

CHARGING

- Electrical outlets may wear out with normal usage or may be damaged over time, making them unsuitable for electric vehicle charging.
- Discontinue use if the electrical outlet/plug gets hot while charging. Have the electrical outlet serviced by a qualified electrician.
- Mount the charging cord to reduce strain on the electrical outlet/plug.

If you have an electrical outlet installed specifically for the purpose of charging the FUV, ask your electrician to install an extra heavy duty industrial grade receptacle. These are optimized for the high continuous currents present when charging your FUV. It is recommended that electrical outlets for use with your charger be installed by a licensed, qualified electrician.



DANGER : Improper use of portable electric vehicle charge cords may cause a fire, electrical shock, or burns, and may result in damage to property, serious injury, or death.

Do not use extension cords, multi-outlet power strips, splitters, grounding adapters, surge protectors, or similar devices.

Do not use an electrical outlet that is worn or damaged, or that will not hold the plug firmly in place.

Do not use an electrical outlet that is not properly grounded.

Do not use an electrical outlet that is on a circuit with other electrical loads.



WARNING

When using electric products, basic precautions should always be followed, including the following:

- Read all the safety warnings and instructions before using this product. Failure to follow the warnings and the instructions may result in electric shock, fire, and/or serious injury.
- Never leave children unattended near the vehicle while the vehicle is charging and never allow children to play with the charge cord.
- If the plug provided does not fit the electrical outlet, do not modify the plug. Arrange for a qualified electrician to inspect the electrical outlet.
- Do not put fingers into the electric vehicle connector.
- Do not use this product if the flexible power cord or the electric vehicle cable is frayed, has broken insulation, or shows any other signs of damage.



WARNING

- To reduce the risk of fire, installations shall comply with the requirements of National Electric Code, ANSI/NFPA 70 (USA) or Canadian Electrical Code CSA 22.1 and IEC 60364 (Canada) - Electrical installations in buildings, depending on the region in which the unit is being installed. The installer shall comply with any additional local requirements mandated by the country and/or municipality.
- Do not use this product if the enclosure or the vehicle plug is broken, cracked, open, or shows any other indication of damage.
- The plug must be plugged into an appropriate electrical outlet that is properly installed in accordance with all local codes and ordinances. If ground is missing, the charge cord indicators will indicate an electrical system fault and the vehicle may not charge.

CHARGING



CAUTION

Do not use portable or stationary backup generating equipment to charge the FUV. This may cause damage to the FUV's charging system. Only charge the FUV from utility supplied power.

Grounding Instructions

The charger must be grounded. If this product should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock.

This charger features a cord that has an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.



WARNING

Improper connection of the charge cord ground may cause electrical shock. Check with a qualified electrician if there is doubt as to whether the charge circuit is properly grounded.

Charging Conditions

DO NOT charge the FUV in the following situations:

- In electrical storms.
- If the charging cable is damaged, rusted or corroded.
- If there is moisture on the charging cable connector or charging cable socket, or your hands are wet.
- When cleaning the FUV.

Charging in Cold Temperatures

To prevent battery damage, the FUV will prevent the charger from charging the battery at temperatures below 32°F (0°C). See the [Cold Weather - Best Practices section on page 120](#) for more information.

Charging in Hot Temperatures

To prevent battery damage in temperatures greater than 110°F (43°C), the charger reduces its charge current to the battery. This will result in an increased time to charge. The hotter the ambient temperature, the greater the effect.

A battery temperature above 122°F (50°C), the FUV will not charge at all. This is a safety feature that protects the HV Batteries.

NOTE

If your FUV will not take a charge, ensure that the internal temperature is below 122°F (50°C).

If the FUV has recently been operating near maximum output and/or in hot conditions it may be too hot to take a charge. In this case, let the FUV cool off for about 30 minutes and try again.

CHARGING

Maintenance and Cleaning

To ensure maximum performance, reliability and safety, follow the routine maintenance schedule (see page [171](#)). All FUV maintenance should be performed by trained Arcimoto technicians.

Tire Information

The proper replacement tires are listed below:

Front Tires	<ul style="list-style-type: none">• Type: Continental ContiEcoContact EP• Size: 145/65R15• Recommended inflation pressure (cold): 35 psi (241 kPa)
Rear Tire	<ul style="list-style-type: none">• Type: Continental ContiEcoContact EP• Size: 175/55R15• Recommended inflation pressure (cold): 35 psi (241 kPa)



WARNING

Operating the FUV with worn tires, improper tires, or tires with improper or uneven tire pressure could cause loss of control or an accident.

Always use the correct size and type of tires specified for the FUV. Always maintain proper tire pressure as recommended in this Owner's Manual and on safety labels. Always replace tires when tread depth has worn to the minimum requirement (2/32").

If you experience a wheel impact, such as hitting a curb, a large pothole, or road debris, have your tires and rims inspected immediately. These types of impacts may cause hidden tire / rim damage that may not be noticeable during operation. This damage could cause tire or rim failures and result in accidents causing serious personal injury or death. If you are in doubt, have the wheel checked by your authorized Arcimoto dealer or tire professional.

Exercise care when parking along curbs and reduce speed if possible when approaching unavoidable potholes and/or road debris.

MAINTENANCE AND CLEANING



CAUTION

Do not use products such as tire dressings on tires as this can decrease traction.

Tire Inspection

Before each ride, inspect the tire sidewalls, road contact surface and tread base. If inspection reveals cuts, punctures, cracks, or other wear or damage, replace the tire before driving the FUV.



WARNING

Do not drive the FUV if a tire is damaged, excessively worn, or inflated to an incorrect pressure.

Check tires regularly for wear, and ensure there are no cuts, bulges or exposure of the ply/cord structure.

Tire Wear

Adequate tread depth is important for proper tire performance. Tires with inadequate tread depth are more likely to hydroplane in wet conditions and should not be used.

Replace the tires when tread depth wears to the minimum of 2/32" (1.6 mm).

The FUV is fitted with tires that have wear indicators molded into the tread pattern. When the tire has been worn down to the minimum recommended tread depth, the indicators start to appear at the surface of the tread pattern, producing the effect of a continuous band of rubber across the width of the tire.

For performance and safety, replace tires before the wear indicators are visible.

MAINTENANCE AND CLEANING



CAUTION

When a tire's tread wear indicator becomes visible, the tire is worn beyond the acceptable limit and must be replaced immediately. Using tires that are excessively worn or improperly inflated can cause a crash in which you or another person can be seriously hurt or killed.

Tire Inflation

NOTE

The recommended cold inflation pressure for all three tires on the FUV is 35 psi.

For an accurate reading, check tire pressure when tires are cold. This means that the tires have not been ridden on for at least 3 hours. Driving warms the tires and increases tire air pressure.

1. Remove the valve stem cap.
2. Adjust tire pressure to 35 psi (241 kPa).

3. Always replace the valve stem cap when finished checking or adjusting tire pressures.



WARNING

Do not exceed the maximum inflation pressure to seat the bead (44 psi / 303 kPa). Tire or rim failure may result.

Improving Tire Mileage

To improve the mileage you get from your tires, maintain tires at the recommended tire pressures, observe speed limits and advisory speeds, and avoid:

- Pulling away quickly, or hard acceleration.
- Fast turns and heavy braking.
- Potholes and objects in the road.
- Hitting curbs when parking.
- Contaminating tires with fluids that can cause damage.

MAINTENANCE AND CLEANING

Driving in Low Temperatures

Tire performance is reduced in low ambient temperatures, resulting in reduced grip and an increased susceptibility to damage from impacts. The tires on the FUV can temporarily harden when cold, causing you to hear rotational noise for the first few miles until the tires warm up.

Tire Information Labels

The following information is permanently branded on the sidewalls of all tires sold in the United States:

- Information about the tire's basic characteristics
- Capacities and construction
- U.S. Department of Transportation (DOT) Tire Identification Number (TIN)

NOTE

Tire inflation pressure information is specified on the Vehicle Identification Number (VIN) Label affixed to the left front down tube of the frame.

Definitions of Tire-Related Terms

Accessory Weight	The combined weight (in excess of standard items which may be replaced) of optional accessories, to the extent that these items are available as factory-installed equipment (whether installed or not).
Cold Inflation Pressure	Tires are considered cold when the vehicle has been parked for three hours or more, or if the vehicle has been driven less than a mile (1.6 km) at moderate speed. Tire inflation pressure should always be measured when the tires are cold.
GAWR	Gross axle weight rating (GAWR) is the maximum distributed weight that may be supported by an axle of a road vehicle.
Load Rating	The maximum load that a tire is rated to carry for a given inflation pressure.

MAINTENANCE AND CLEANING

Maximum Inflation Pressure	<p>The maximum cold inflation pressure to which a tire may be inflated.</p> <p>Tires should be inflated to the "Recommended Inflation Pressure" (see below), which is less than the Maximum Inflation Pressure.</p>
Gross Vehicle Weight Rating (GVWR)	<p>The maximum weight that can be safely managed by the FUV.</p> <p>The GVWR includes the FUV itself, plus all passengers, cargo, and any other items that are carried on-board.</p>
Recommended Inflation Pressure	<p>The tire manufacturer's inflation pressure recommendation to ensure the optimal capacity, durability, traction and handling of the tire.</p>

Wheel Maintenance

Before each ride, inspect all wheels for cracks or other damage. Replace damaged wheels promptly.



WARNING

Do not operate the vehicle if wheels are damaged or cracked. Tire or rim failure may result, leading to a loss of control.

Battery Maintenance

- For better long-term performance, avoid exposing the FUV to ambient temperatures above 140° F (60° C) or below -22° F (-30° C) for more than 24 hours at a time.
- Park your FUV in a cool and shaded area whenever possible.

MAINTENANCE AND CLEANING

- Recharge your FUV after each use, especially when leaving the vehicle in a cold environment. Charging a cold battery will take considerably longer than charging a battery still warm from driving.
- For optimal battery life, the FUV should be plugged in as soon as possible when fully discharged. Leaving the battery in an uncharged state for an extended period of time is harmful to the battery.

Cleaning

Your FUV should be washed periodically. Regular cleaning doesn't just keep your FUV looking great, it also ensures that safety-related parts remain in full working order.



CAUTION

Improper cleaning can damage electrical components, panels, and other plastic parts. Do not use high-pressure water or steam cleaners; they can cause water intrusion of bearing, seals, and electrical components.

Do not use harsh chemical products on plastic parts.

Avoid using cloths or sponges which have been in contact with strong abrasive cleaning products, solvent or thinner, fuels, rust removers or inhibitors, brake fluid, antifreeze, or electrolyte.

- Gently wash your FUV with a sponge or a clean soft cloth, mild detergent, and plenty of water.
- Avoid high-pressure water guns. High-pressure washers can damage certain parts.
- Use care when cleaning plastic parts; they scratch more easily than metal parts.
- Avoid getting water under the front cover and on the instrument panel.
- After washing, rinse your FUV thoroughly with plenty of clean water to remove any detergent residue.
- Dry your FUV with a chamois or a soft, dry towel.

MAINTENANCE AND CLEANING

- When the FUV is first driven after being washed, press the brake pedal several times to remove moisture from the brake pads.

Vinyl Care

The FUV exterior features vinyl film and graphics. Take special care to avoid damaging exterior vinyl:

- Do not use any polishing or wax products on matte or textured films.
- Do not allow cleaning solutions to soak, and immediately rinse with clear water.

Windshield and Roof

The FUV Windshield and Roof are made of high-quality clear polycarbonate, not glass. Clean with warm water and a soft, clean cloth. If necessary, use a small amount of liquid dish washing soap.



CAUTION

Never use glass cleaners on the Windshield or Roof. Glass cleaners can permanently damage the polycarbonate.

The following common liquids can damage the windshield and roof:

- Ammonia
- Vinegar
- Bleach
- Citrus-based cleaners
- Remove minor scratches with a polishing compound specifically designed for use on polycarbonate surfaces.
- Do not use rain repellent products that are designed for use on glass (i.e. Rain-X[®]). A recommended rain repellent for polycarbonate windshields is RainZip[®] by National Cycle.

MAINTENANCE AND CLEANING



CAUTION

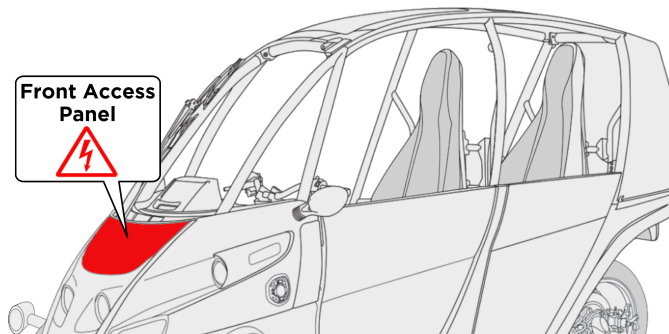
Never use a dry cloth, or your hand, to wipe clean the roof or windshield. Using a dry cloth to clean your roof or windshield will rub the dirt and dust into the polycarbonate, scratching or causing damage.

Adding Windshield Washer Fluid

The FUV features a 0.4 gal (1.5 L) Windshield Washer Fluid Bottle with Remote Fill Neck. When adding washer fluid, fluid is poured into the Remote Fill Neck.

The Remote Fill Neck and Washer Fluid Bottle are both located within the Front Access Portal.

The Front Access Portal is accessed by removing the Front Access Panel on the nose of the FUV, as described in this section.



Be aware that there are high-voltage components located behind the Front Access Panel. These include inverters, high-voltage cables, and connectors.

The high-voltage components behind the Front Access Panel are behind a plastic safety screen. However, it is important to exercise caution anytime the Front Access Panel is removed.

MAINTENANCE AND CLEANING



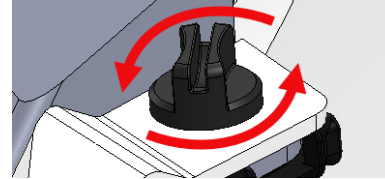
DANGER: DO NOT reach behind the plastic safety screen. There are no user-serviceable parts, and doing so exposes you to potential arc-flash risk, electrocution, and voids the warranty. There is a risk of fatal injury.



DANGER: DO NOT allow any metal objects (including but not limited to tools and jewelry) inside the front access portal or near any of the internal components. Doing so exposes you to potential arc-flash risk, electrocution, and voids the warranty. There is a risk of fatal injury.

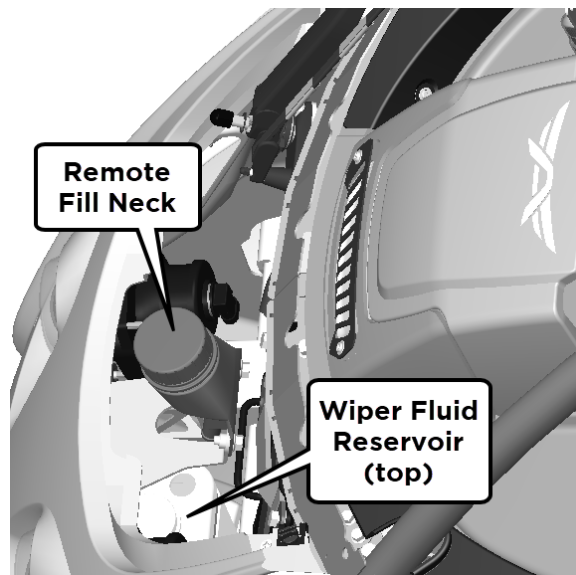
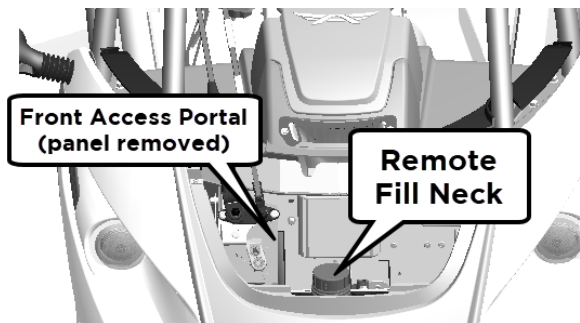
The Front Access Panel is secured with two quick-release thumbscrews that do not require the use of tools.

1. Twist both thumbscrews counter-clockwise to release the panel.



2. Once released, pull the Front Access Panel out and away from the nose. Place the panel on a clean, soft surface.
3. Locate the *Remote Fill Neck* and *Wiper Fluid Reservoir*.
 - The *Remote Fill Neck* is located at the front center of the Front Access Portal. When adding wiper fluid, always pour it into the Remote Fill Neck.
 - The washer fluid bottle is located underneath the Remote Fill Neck (connected via a clear plastic tube).

MAINTENANCE AND CLEANING



4. Remove the cap from the Remote Fill Neck and pour washer fluid in.

While pouring fluid in, observe the top of the washer fluid bottle.

Add fluid until the washer fluid bottle is filled to the top (you can see the washer fluid through the top of the bottle when full).

MAINTENANCE AND CLEANING



CAUTION

To avoid leakage, never over-fill the washer fluid bottle. When finished adding fluid, there should not be wiper fluid visible in the Remote Fill Neck or the plastic tube that fills the bottle.

5. Replace and tighten the Remote Fill Neck cap.
6. Replace the Front Access Panel, and twist both thumbscrews clockwise to secure the panel.

Seat Belts

To clean dirt or debris from the seat belts, sponge the straps with mild soap and water.



WARNING

Do not allow water, cleaners, or fabric to enter a seat belt mechanism; failure of the retraction mechanism may result. If you notice any damage on a seat belt, contact Arcimoto Product Support at (541) 780-0032.

- Do not use bleach, dye or household detergents.
- Do not let wet seat belts dry in the sun. Move the FUV to a shaded area until the belts are totally dry.
- Make sure that seat belts are totally dry before allowing them to retract.

Interior

Clean with warm water and a soft, clean cloth (flannel or chamois). If necessary, use a small amount of liquid dish washing soap.

- Do not use bleach, dye, or household detergents.
- Using solvents (including alcohol), bleach, citrus, naphtha, or silicone-based products or additives on interior components can cause damage.
- Statically-charged materials can cause damage to the Display and sensitive internal components.

MAINTENANCE AND CLEANING

Wheels and Tires

Avoid using strong acidic wheel cleaners. If such products must be used on hard-to-remove dirt, do not leave the cleaner on the affected area any longer than instructed.

Thoroughly rinse the area off with water, immediately dry it, and then apply a corrosion protection spray.



CAUTION

Do not use products such as tire dressings on tires as this can deteriorate traction.

Elevating the FUV

In the case that you want to remove a wheel in order to have a flat tire serviced, the FUV will have to be elevated, as described in this section.



CAUTION

The FUV does not come with a floor jack. If your FUV requires service, contact Arcimoto Product Support at (541) 780-0032. The instructions in this section are intended to provide safe guidelines, in the case that you decide to elevate your FUV, in order to remove a wheel that has a flat tire. Always have your tires serviced by a tire service professional.

Because of the unique geometry and weight distribution of the FUV, special care must be taken when elevating the vehicle. Follow the instructions in this section to avoid personal injury or damage to the FUV.

To elevate the FUV, use an automotive-quality floor jack and jack stands on a firm, flat surface.

Do not attempt to elevate your FUV without proper equipment or adequate experience. If you have any questions regarding how to safely elevate your FUV, contact Arcimoto Product Support.

MAINTENANCE AND CLEANING



WARNING

Being under an elevated vehicle is dangerous. The vehicle could slip off the jack and fall on you. You could be crushed.

Never put any part of your body under a vehicle that is on a jack. If you need to get under a raised vehicle, take it to a service center where it can be raised on a lift.

Never start or run the FUV while it is elevated.

The vehicle should be jacked on a firm level surface only. Avoid ice or slippery areas.

Never elevate the FUV when the charge cable is connected, even if charging is not in progress.

Never elevate the FUV with passengers in the vehicle.

Equipment Requirements

- **Floor Jack:** Elevating the FUV requires a full-size (4- ton minimum), automotive- quality hydraulic floor jack, with a saddle pad at least 4" wide.



WARNING

Only a full-size (at least 4-ton) automotive floor jack provides adequate lateral stability to keep the FUV safe while elevated. Using less stable jacks can cause serious damage, bodily injury, or death.



CAUTION

Do not use any jack provided with a car (or designed for use on a car frame rail), bottle jacks, or scissor jacks to elevate the FUV. Use of these types of jacks can seriously damage the FUV or injure yourself.

- **Jack Stands:** Elevating the FUV requires the use of up to four automotive-quality jack stands.

MAINTENANCE AND CLEANING

Before Elevating the FUV

- **Engage the Parking Brake** via the Parking Brake button on the Control Panel (see page [55](#)).
- **Chock the wheels.** Note that when jacking up the rear end, both front wheels must be chocked since the Parking Brake locks the rear wheel only.

Lift Points

Always use the lift points indicated below, and never attempt to lift the FUV using other lift points or jacking methods.



WARNING

Do not work on an incorrectly supported vehicle. Doing so can cause serious damage to the FUV, bodily injury, or death.



CAUTION

DO NOT elevate the FUV from under the Battery Bay. Place the floor jack and jack stands only under the locations indicated in this section.

The locations shown are the only approved lifting points for the FUV. Lifting at any other points can cause damage.

DAMAGE CAUSED BY INCORRECTLY LIFTING THE FUV IS NOT COVERED BY THE WARRANTY.

To stabilize the FUV while elevated, always use jack stands, positioned as indicated in this section.



WARNING

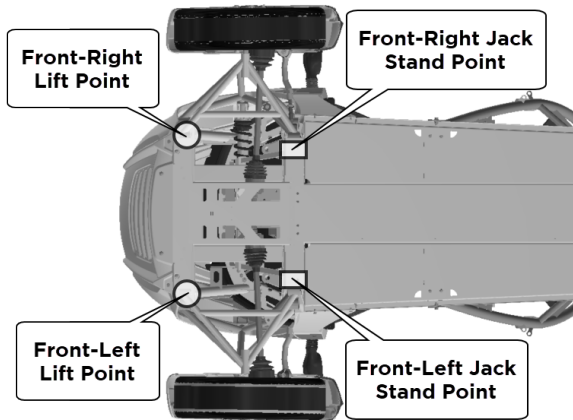
Never use the floorboards on the FUV as lift points. This will damage the FUV and will not provide stability. Always use the lift points indicated in this section.

MAINTENANCE AND CLEANING

Elevating the FUV - Front

To ensure that the FUV stays stable when elevated, only lift one front wheel at a time, as described below.

1. Position the floor jack under either the *Front-Left* or *Front-Right Lift Point* (depending on which side will be elevated).



2. Elevate the nose just enough to lift the wheel off the ground, and place a jack stand under either the Front-Left or Front-Right Jack Stand Point, on the side that is elevated.

NOTE

Elevate the FUV only until the tire just clears the surface and enough clearance is obtained to remove and replace the wheel. Minimum lift provides maximum stability.



WARNING

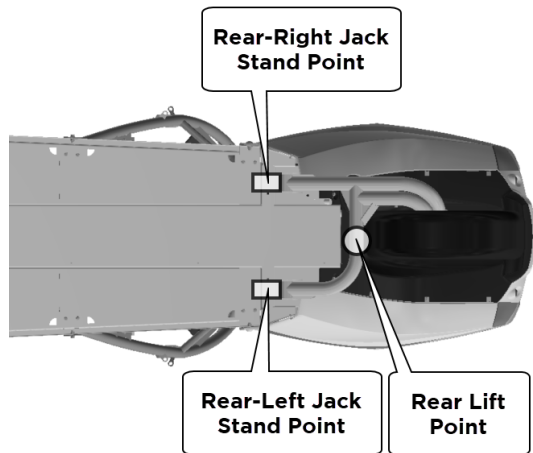
Elevating the FUV higher than necessary can make it less stable. It could slip off the jack and hurt someone near it. Elevate the FUV only enough to remove the wheel.

3. Carefully lower the floor jack to allow the FUV to rest on the Jack Stand.
4. As you lower the floor jack, carefully observe the jack stand, and ensure that it is level and stable.
5. Once the front is resting on the jack stand, the floor jack can be removed.

MAINTENANCE AND CLEANING

Elevating the FUV - Rear

1. Chock both front wheels.
2. Position the floor jack under the Rear Lift Point.



3. Raise the rear just enough to lift the rear wheel off the ground, and place two jack stands at the Jack Stand Points indicated above.

NOTE

Elevate the FUV only until the tire just clears the surface and enough clearance is obtained to remove and replace the wheel.



WARNING

Elevating the FUV higher than necessary can make it less stable. It could slip off the jack and hurt someone near it. Elevate the FUV only enough to remove the wheel.

4. Carefully lower the floor jack to allow the FUV to rest on the Jack Stands.
5. As you lower the floor jack, carefully observe the jack stands, and ensure that they are level and stable.
6. Once the rear is resting on the jack stands and is stable, the floor jack can be removed.

Wheel Removal and Replacement

If a tire is flat, remove the wheel and take it to a qualified tire technician for repair.



WARNING

Do not attempt to change a tire on the side of the vehicle close to moving traffic. Pull far enough off the road to avoid the danger of being hit when operating the jack or changing the wheel.

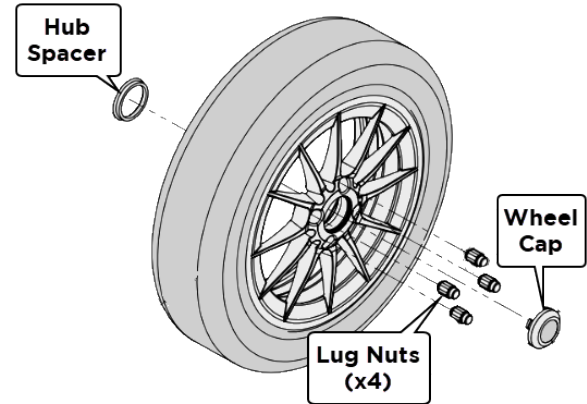
Being under an elevated vehicle is dangerous. The vehicle could slip off the jack and fall on you. You could be crushed.

Never put any part of your body under a vehicle that is on a jack. If you need to get under a raised vehicle, take it to a service center where it can be raised on a lift.

Never start or run the FUV while it is elevated.

The vehicle should be jacked on a firm level surface only. Avoid ice or slippery areas.

Note that it is necessary to elevate the FUV to remove the wheel; refer to page [142](#) for details on safely elevating the FUV.



Removing a Wheel

1. Remove the lug nuts (M12 x 1.50) with a lug wrench turning them counterclockwise.
2. Slide the wheel off of the axle.

MAINTENANCE AND CLEANING

3. Slide the hub spacer off the axle.
4. Store the wheel, lug nuts, and spacer in a safe location.

Replacing a Wheel

The correct lug nut torque for all three wheels on the FUV is 80 ft-lbs (108.5 Nm). If in doubt about the correct tightness, have the wheels checked with a torque wrench by an Arcimoto Service Technician or at a service station.

NOTE

Use only Arcimoto-recommended lug bolts, and clean or remove any dirt or oil before tightening. If you need assistance, call Product Support at (541) 780-0032.



CAUTION

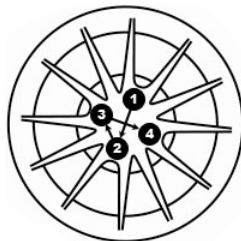
Proper torque is important to ensure that the wheel is properly mounted to the vehicle. Any time a wheel has been removed and reinstalled, the lug nuts should be torqued using a properly calibrated torque wrench using a high quality deep wall socket.

1. Mount the hub spacer on the axle, with the flat side of the spacer facing the brake rotor.
2. Mount the wheel on the axle.
3. Install the lug nuts with the cone shaped end of the nut toward the wheel. Lightly tighten the lug nuts.
4. Lower the vehicle to the ground.
5. Finish tightening the lug nuts.



WARNING

To avoid the risk of forcing the vehicle off the jack, do not tighten the lug nuts fully until the vehicle has been lowered. Failure to follow this warning may result in serious injury.



Tighten the lug nuts in a star pattern until each nut has been tightened twice.

Push down on the wrench while at the end of the handle for increased leverage.

MAINTENANCE AND CLEANING



CAUTION

After 25 miles (40 km), check the lug nuts to be sure that they are properly seated against the wheel.

Transporting the FUV

Contact 24/7 Arcimoto Roadside Assistance at (866) 235-3920 or a professional towing service if the FUV is disabled and must be towed.

Professional tow operators should refer to the FUV Transport Guide (available at www.arcimoto.com) for details regarding safely towing a disabled FUV.

ALWAYS use a flatbed tow truck or trailer to transport an FUV. A towed FUV MUST have all wheels off the ground.

Incorrectly towing a disabled FUV may cause damage. The damage would not be covered by the vehicle warranty.



WARNING

Because of the single rear wheel on the FUV, it cannot be towed by a conventional tow truck. Never tow the FUV on its wheels behind another vehicle.

Securing the FUV (Tie-Down)

- ALWAYS use tire straps on all three wheels to fully secure the FUV for transport.
- ALWAYS follow local laws and regulations regarding tie-down and transport requirements for 3-wheel vehicles.
- DO NOT use sling type equipment when towing. Damage may occur.

Emergency Towing

If the FUV becomes inoperable, it can be towed on a flatbed trailer.

MAINTENANCE AND CLEANING

Recreational Transport

Recreational vehicle transport refers to towing the FUV behind another vehicle such as a motor home.

You cannot tow the FUV with any wheels on the ground as vehicle or transmission damage will occur.

You must tow your FUV with all three wheels off the ground, such as when using a flat-bed trailer.

Consider the following important points before transporting the FUV:

- Before transporting the FUV, become familiar with the local laws that apply to recreational vehicle towing. These laws vary by region.
- The towing capacity of the towing vehicle. Follow the tow vehicle manufacturer's recommendations.
- Whether the towing vehicle has the proper towing equipment.

- Whether the trailer has an approved load rating greater than the actual weight of the FUV, including any installed accessories or cargo.
- Whether the FUV is ready to be transported. Ensure that no loose items are inside the FUV, and remove all cargo. Engage the Parking Brake, remove the Key, and chock all wheels.

Contact Arcimoto Product Support at (541) 780-0032 for advice and equipment recommendations.

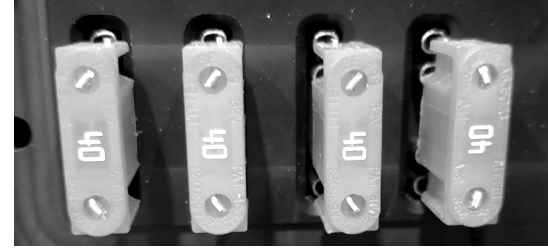
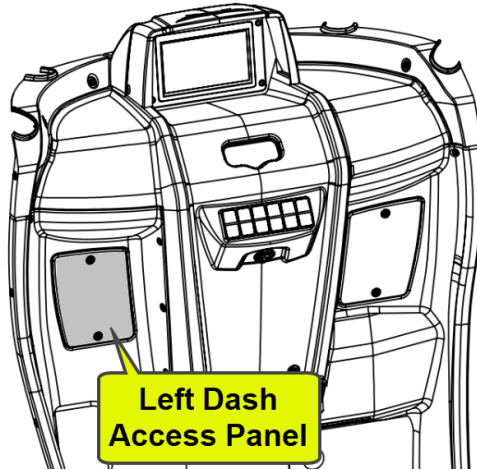
Buckle Seat Belts During Transport

In high winds, or over a long distance, seat buckles can whip around and damage the FUV. When transporting, buckle all seat belts to avoid potential damage.

MAINTENANCE AND CLEANING

Safety Fuse Access

Four 40A Safety Fuses are accessible via the Left Dash Access Panel. To access the fuses, remove the two Phillips-head screws that secure the Access Panel to the Lower Dash, and remove the panel.



Do not remove or replace these fuses. If you suspect that there is a problem with safety fuses, contact Arcimoto Product Support at (541) 780-0032 for assistance.



DANGER: DO NOT allow any metal objects (including but not limited to tools and jewelry) inside the safety fuse access portal or near any of the internal components. Doing so exposes you to potential arc-flash risk, electrocution, and voids the warranty.

There is a risk of fatal injury.

MAINTENANCE AND CLEANING

Manually Resetting the 12V System

As an EV, the FUV has many electronic components and systems. Like any complex electronic device, the FUV may occasionally require a reset to restore normal functionality.

The following instructions describe how to perform a hard-reset of the 12V electrical system in the FUV.

Safety

These instructions do not require accessing any high-voltage components. However, always be aware, and follow these basic safety rules:

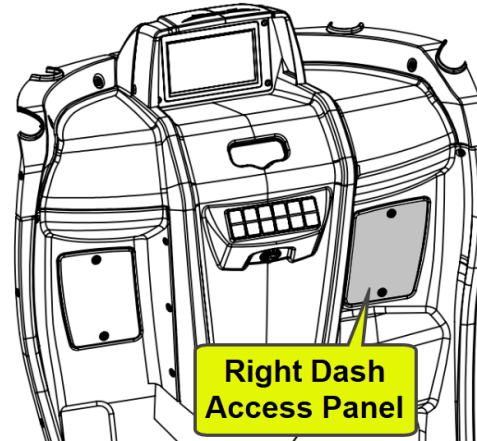
- Remove all metal jewelry before following these instructions.
- Keep metal objects of any kind (including but not limited to tools and jewelry) away from any internal components.

Tool Required

- Phillips head screwdriver

STEP 1: Remove the Right Side Access Panel

There are two Dash Access Panels located on either side of the Dash Assembly. In this case, it is necessary to remove only the right-side Access Panel:



MAINTENANCE AND CLEANING

Remove the two Phillips-head screws that secure the panel.

STEP 2: Cycle the Key ON

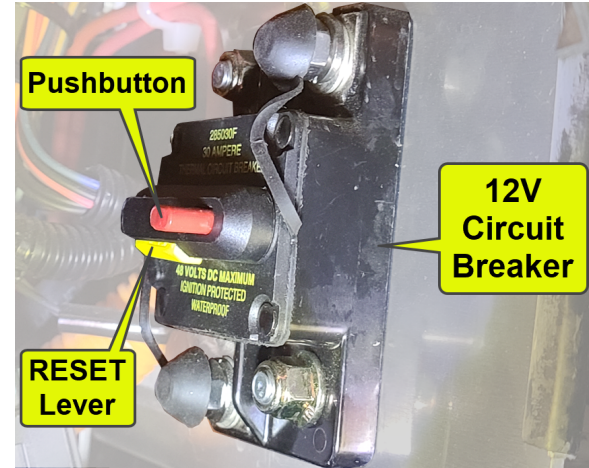
- Insert the Key (in the OFF position).



- Turn the Key clockwise to switch to the ON position.

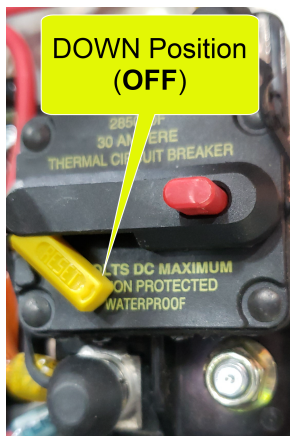
STEP 3: Reset the 12V Circuit Breaker/Key OFF

Look into the right-side service port to locate the 12V Circuit Breaker. It is a black box with a pushbutton and a RESET lever, located directly behind the steering column:



- Depress the pushbutton on the 12V Circuit Breaker to remove 12V battery power from the FUV. Note that when the pushbutton is pressed, the RESET lever flips down to the OFF position.

MAINTENANCE AND CLEANING



NOTE

The images above indicate a red pushbutton and yellow RESET lever. Newer FUVs use a 12V Circuit Breaker with a blue pushbutton and orange RESET lever. Regardless of the colors used, the steps are the same.

- b. Turn the Key back to the OFF position.

STEP 4: Verify that 12V Power is Off

To verify that 12V power has been successfully turned off, touch the Display. Since the Display uses 12V power, it should not turn on or respond in any way when touched.

If the Display turns on when touched, it is an indication that 12V Power is still active. In this case, follow the additional steps indicated in the *If the 12V Hard Reset Doesn't Work* section on page [155](#).

STEP 5: Flip the Lever on the 12V Circuit Breaker

On the 12V Circuit Breaker, flip the RESET lever up to the closed (ON) position.

To verify that 12V power is restored, touch the Display; it should turn on.

If it does not turn on when touched, check the 12V Circuit Breaker to ensure that the RESET lever is flipped fully up (in the ON position).

MAINTENANCE AND CLEANING

STEP 6: Replace the Dash Access Panel

Carefully replace the right-side service port panel, and use a Phillips-head screwdriver to hand-tighten the screws.

The reset is complete, and the FUV is ready to start.

If the Manual 12V Reset Doesn't Work

The following additional steps can be taken to physically reset the 12V system.



These steps may be necessary in case resetting the 12V Circuit Breaker did not remove power from the Display, or if the 12V icon on the Display is illuminated **red** after completing the 12V Hard Reset.

Safety

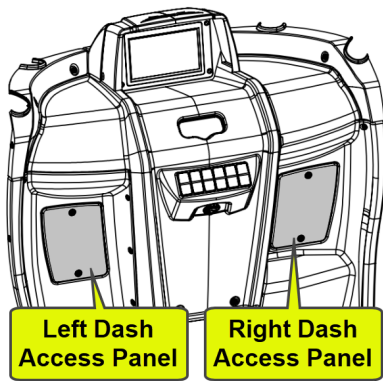
These instructions do not require accessing any high-voltage components. However, always be aware, and follow these basic safety rules:

- Remove all metal jewelry before following these instructions.
- Keep metal objects of any kind (including but not limited to tools and jewelry) away from any internal components.

MAINTENANCE AND CLEANING

STEP 1: Remove the Both Access Panels

There are two Dash Access Panels located on either side of the Dash Assembly. In this case, it is necessary to remove both Access Panels:



Remove the two Phillips-head screws that secure each panel.

STEP 2: Reset the 12V Circuit Breaker

Look into the right-side service port to locate the 12V Circuit Breaker. It is a black box with a pushbutton and a RESET lever, directly behind the steering column. Refer to page [153](#) for images.

Push the pushbutton on the 12V Circuit Breaker to remove 12V battery power from the FUV.

Note that when the pushbutton is pressed, the RESET lever flips down to the OFF position.

STEP 3: Unplug the Power Output Connectors

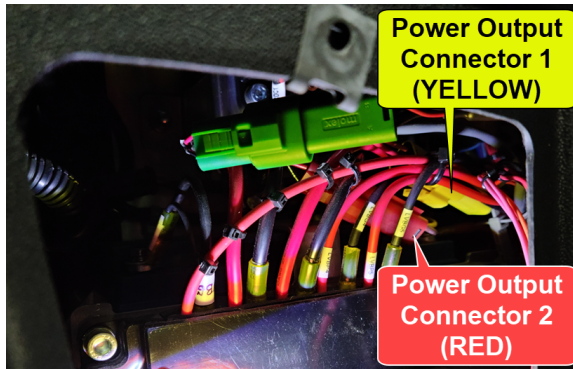
Look into the left-side service port to locate the Power Output Connectors. The Power Output connectors are identical 3-wire connectors with triangular housings. They are situated side by side, to the left of the steering column.

NOTE

Note that the images in this section show YELLOW and RED connectors for clarity. Newer FUVs use Power Connectors that are both colored GREY.

MAINTENANCE AND CLEANING

Note that the Power Output Connectors are positioned behind other wires; take care to avoid accidentally pulling on other wires when handling the Power Output Connectors:



Press the locking tab down, and gently pull to unplug each Power Output Connector.



STEP 4: Wait 10 seconds, then plug both connectors back in

Wait at least 10 seconds, then plug both Power Output Connectors back in: gently slide the connectors into their plugs until the locking tabs snap.

Note that these connectors are indexed; they cannot accidentally be plugged in incorrectly, and it doesn't matter which one is plugged in first.

MAINTENANCE AND CLEANING

STEP 5: Flip the RESET Lever on the 12V Circuit Breaker

On the 12V Circuit Breaker, flip the RESET lever up to the closed (ON) position.

To verify that 12V power has been restored, touch the Display; it should turn on.

If it does *not* turn on when touched:

- Check the 12V Circuit Breaker to ensure that the RESET lever is flipped fully up (in the ON position).
- Check both Power Output Connectors to ensure that they are fully connected. The locking tabs snap into place when the connectors are fully seated.

STEP 6: Replace the Service Port Panels

Carefully replace both service port panels, and use a Phillips-head screwdriver to hand-tighten the screws.

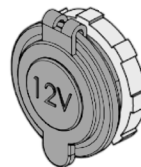
The hard reset is complete, and the FUV is ready to start.

Note: If after following the steps above the issue is still present, or if the 12V icon on the Display is illuminated **red**, please call Arcimoto Product Support (541-780-0032) for assistance.

Charging the 12V Battery

If the 12V Battery in the FUV loses its charge, the FUV may not be able to start. In this case, it is necessary to re-charge the 12V Battery.

This is easily done by connecting an external trickle charger (not included) to the 12V Accessory Power Socket located directly below the Control Panel.



Use this feature to charge a discharged 12V Battery, via an external 12V trickle charger (not included).

Many (but not all) 12V trickle chargers either use a 12V Power Socket adapter or provide the option to use a 12V Power Socket adapter. To use this feature, it is required that the trickle charger has a 12V Power Socket adapter.

To charge the 12V Battery via the 12V Power Socket



CAUTION

Always follow the instructions and important safety information provided with your trickle charge unit.

1. Plug in and power up the trickle charge unit.
2. Plug the 12V Power Socket adapter on the trickle charger into the 12V Accessory Power Socket in the FUV. This should begin the charging process. Charge information is provided by the trickle charger.
3. When the 12V Battery is charged sufficiently, simply unplug the adapter and replace the dust cap.

The FUV should be ready to drive.

MAINTENANCE AND CLEANING

Storage

Vinyl graphics and paint are degraded by prolonged exposure to sun and atmospheric pollutants. Whenever possible, store the FUV in a garage or in a shaded area during the day.

At night, protect the FUV from dew or rain, which may contain acidic pollutants (particularly in large metropolitan areas). When a garage is not available, consider using a cloth cover at night.

Note that Arcimoto offers canvas FUV covers that are perfect for protecting your FUV (see the [Optional Accessories section on page 169](#)).

Storage Mode: Overview

This section describes how to properly put the FUV into Storage Mode.

Follow these instructions any time that the FUV will be stored for more than one week.

If the FUV is stored without following these instructions, the HV Batteries could drain to the point that the FUV will not start when taken out of storage.

Note that when the FUV is used on a daily or semi-daily basis, simply plugging the FUV into a charging station will keep the HV batteries charged and ready to use.

However, leaving the FUV connected to a charging station for more than one week may lead to accelerated wear on the HV Batteries. This is because the ideal state of charge for HV Batteries is between 30% and 60%. Leaving the FUV at full charge for an extended period of time (more than one week) leads to premature wear on the HV Batteries.

Storage Requirements

The FUV must be stored in a environment where the ambient air temperature is within the following range:

25° F to 140° F (-4° C to 60° C)

STORAGE

Safety

These instructions do not require accessing any high-voltage components. However, always be cautious, and follow these basic safety rules:

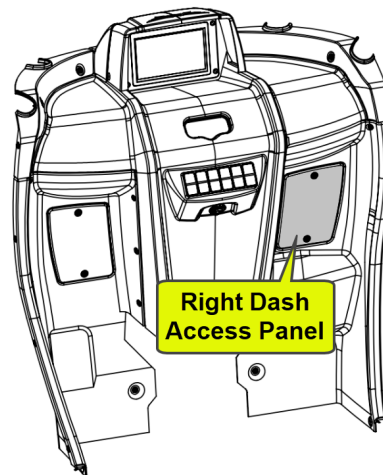
- Remove all metal jewelry before following these instructions.
- Keep metal objects of any kind (tools, jewelry) away from any internal components.

Tool Required

- Phillips-head screwdriver

STEP 1: Remove the Right Side Access Panel

There are two Dash Access Panels located on either side of the Dash Assembly. In this case, it is necessary to remove only the right-side Access Panel:



Remove the two Phillips-head screws that secure the panel.

STEP 2: Cycle the Key ON

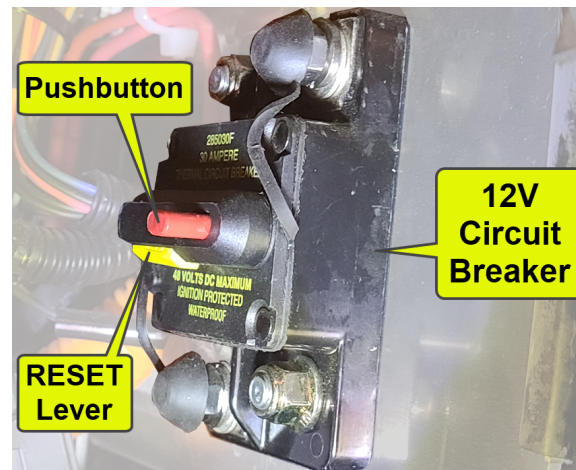
- Insert the Key (in the OFF position).



- Turn the Key clockwise to switch to the ON position.

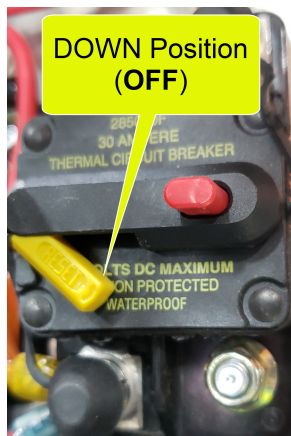
STEP 3: Reset the 12V Circuit Breaker/Key OFF

Look into the right-side service port to locate the 12V Circuit Breaker. It is a black box with a pushbutton and a RESET lever, located directly behind the steering column:



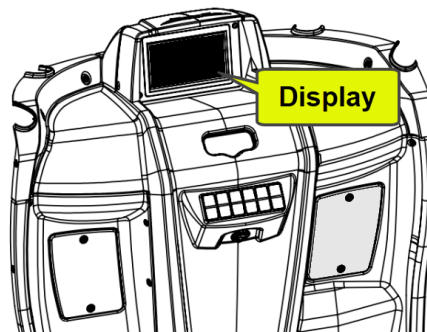
- Depress the pushbutton on the 12V Circuit Breaker to remove 12V battery power from the FUV. Note that when the pushbutton is pressed, the RESET lever flips down to the OFF position.

STORAGE



STEP 4: Verify that 12V Power is Off

To verify that 12V power is successfully turned off, touch the Display.



NOTE

The images above indicate a red pushbutton and yellow RESET lever. Newer FUVs use a 12V Circuit Breaker with a blue pushbutton and orange RESET lever. Regardless of the colors used, the steps are the same.

Since the Display uses 12V power, it should not turn on or respond in any way when touched.

If the Display does turn on, check the 12V Circuit Breaker to ensure that the RESET lever is flipped fully down (in the OFF position).

- b. Turn the Key back to the OFF position.

NOTE

If after following the steps above, the Display indicates that 12V power is still active on the FUV, please call Arcimoto Product Support (541-780-0032) for assistance.

STEP 5: Replace the Dash Access Panel

Carefully replace the Right Dash Access Panel, and use a Phillips-head screwdriver to hand-tighten the screws.

Recovering the FUV From Storage Mode

When it's time to bring the FUV out of Storage Mode, it is necessary to re-connect the 12V electrical system, as described below:

NOTE

Plug the FUV in for at least 24 hours before use to restore optimal cell balance.

STEP 1: Remove the Right Dash Access Panel

Remove the two Phillips-head screws that secure the right-side Dash Access Panel.

STEP 2: Flip the RESET Lever on the 12V Circuit Breaker

On the 12V Circuit Breaker, flip the RESET lever up to the ON position:



STORAGE

STEP 3: Replace the Dash Access Panel

Carefully replace the right-side Dash Access Panel, and use a Phillips-head screwdriver to hand-tighten the screws.

The FUV is now ready to start.

NOTE

If you are unable to start or charge your FUV, contact Arcimoto Product Support at (541) 780-0032.

Specifications

GENERAL

Models Covered 2022 FUV

WEIGHT and MEASURES

Overall Length 113" (287 cm)
Overall Width 61" (155 cm)
Max Height 65" (165.1 cm)
Ground Clearance 5.5" (14 cm) unladen
Wheelbase 80" (203.2 cm)
Track Width 56.5" (143.5 cm)
Shipping Weight 1300 lbs (590 kg)
GVWR 1800 lbs (817 kg)
Max Load in Rear Storage
Compartment 30 lbs (13.6 kg)
Passengers 2 in tandem configuration

FEATURES

Battery System Lithium-Ion (NMC)
Integrated Charger 120V (Level 1) & 240V
 (Level 2) Auto-Switching
Charging Protocol J1772
Brakes Hydraulic with Regenerative Assist
Seat Belts Dual Shoulder/Lap Belts on both
 seats
Direction Forward & Reverse w/
 40-Degree Turning

PERFORMANCE

Top Speed 75 mph (121 km/h)
Turning Circle 29 ft (8.8 m)
 City: 102 miles (164 km)
Range @ 55 mph: 66 miles (106 km)
 @ 70 mph: 32 miles (52 km)
Power 77 bhp (throttled)

SPECIFICATIONS

PERFORMANCE (Cont.)

Battery Capacity	18.1 kWh
Charge Time (estimated, based on charging the FUV from 20% to 90%)	Using the included Level 1 EVSE on a 120V electrical outlet: 12 hrs
	Using an (optional) 240V EVSE on a 240V electrical outlet: 3.5 hrs
Input	Universal 120 - 240 VAC
Operating/Storage Temperature Range	Operation: 32° to 131°F (0° to 55°C)
	Storage: 25° to 140°F (-4° to 60°C)

SUSPENSION and BRAKES

Suspension Type	Front: Dual A-Arm
	Rear: Swingarm
Front Brakes	Disc / Single Rotor 2 Piston Calipers
Rear Brake	Disc / Single Rotor / IPB

WHEELS and TIRES

Front Tires	Type: Continental ContiEcoContact EP
	Size: 145/65-15
Rear Tire	GAWR: 1260 LB (572 kg)
	Recommended Pressure (cold): 35 PSI (241 kPa)
Front Rims	Type: Continental ContiEcoContact EP
	Size: 175/55-15
Rear Rim	GAWR: 540 LB (245 kg)
	Recommended Pressure (cold): 35 PSI (241 kPa)
Front Rims	15" x 4.5"
Rear Rim	15" x 5.5"

FLUIDS

Brake Fluid	Type: DOT 4
Gearbox Lubricant	Type: DEXRON VI synthetic ATF.
	Capacity: 1.16 quarts (1100 ml)

FLUIDS (Cont.)

Coolant	Type: Global Extended life 50/50 pre-diluted antifreeze.
Windshield Wiper Fluid	Type: National Cycle N1401-01 Shield Wash Capacity: 0.4 gal (1.5 L)

INCLUDED ACCESSORIES

Heating	Heated Seats & Hand Grips
Audio	Bluetooth Speakers
Charging Cable	EVSE 120V / Level 1

Optional Accessories

Arcimoto FUV accessories are specifically designed to complement and function with other systems on your FUV.

As the owner, it is your obligation to ensure that the following criteria are met. It may be a violation of NHTSA regulations to disregard these requirements.

When adding accessories, equipment, passengers and luggage to your FUV, do not exceed the total weight capacity of the vehicle or of the front or rear axle (GVWR or GAWR) as indicated on the Vehicle Identification Number (VIN) Label.

It is the owner's responsibility to limit the amount of accessories based on maximum allowable vehicle weight requirements.

SPECIFICATIONS

Routine Maintenance Schedule

The maintenance schedule described in this section specifies how often you should have your FUV serviced and what items need attention. It is essential to have your FUV serviced as scheduled to help maintain safe, dependable performance.

The service intervals in this maintenance schedule are based on average riding conditions. Some items will need more frequent service if you ride in unusually wet or dusty areas.

Consult Arcimoto for recommendations applicable to your individual needs and use. It is recommended that you have your FUV serviced every 6 months regardless of the distance ridden.

Note that the Routine Maintenance Schedule goes to 36,000 mi / 36 months.

From 42,000 mi or 42 months, repeat the maintenance intervals starting from 6,000 mi or 6 months.

The scheduled maintenance must be performed in accordance with this chart to keep the FUV in top running condition. The initial maintenance is vitally important and must not be neglected. Where time and mileage are listed, follow the interval that occurs first.

Any authorized Arcimoto Service Center of the owner's choice will perform warranty repairs or replacements. The FUV must be delivered to an authorized Arcimoto Service Center during normal service hours, at the owner's expense. Refer to the [Obtaining Warranty Service section on page 178](#) for details.

ROUTINE MAINTENANCE SCHEDULE

ITEM	ROUTINE	Every drive	Initial	Odometer Mileage					
			600 miles or 1 month	6k miles or 6 months	12k miles or 12 months	18k miles or 18 months	24k miles or 24 months	30k miles or 30 months	36k miles or 36 months
Brake fluid	Check fluid level, add as needed.		✓	✓	✓	✓	✓	✓	✓
	Replace brake fluid. (Type: DOT 4)						✓		
Front brake components	Check operation and for fluid leakage. Replace pads as needed.	✓	✓	✓	✓	✓	✓	✓	✓
Rear brake components	Check operation and for fluid leakage. Replace pads as needed.	✓	✓	✓	✓	✓	✓	✓	✓
Parking Brake	Check operation and brake pad wear. Adjust as needed.	✓	✓	✓	✓	✓	✓	✓	✓
Wheels	Check run-out, and for damage. Replace as needed.			✓	✓	✓	✓	✓	✓

ROUTINE MAINTENANCE SCHEDULE

ITEM	ROUTINE	Every drive	Initial	Odometer Mileage					
			600 miles or 1 month	6k miles or 6 months	12k miles or 12 months	18k miles or 18 months	24k miles or 24 months	30k miles or 30 months	36k miles or 36 months
Tires	Check tread depth, pressure, and for damage. Replace or correct as needed.	✓	✓	✓	✓	✓	✓	✓	✓
Wheel bearings	Check bearing for smooth operation. Replace as needed.		✓	✓	✓	✓	✓	✓	✓
Suspension	Check all suspension components for damage, wear and looseness. Grease all grease fittings.			✓	✓	✓	✓	✓	✓
Steering/bearings	Check for looseness. Adjust linkages and grease bearing as needed.		✓	✓	✓	✓	✓	✓	✓
Chassis	Inspect all chassis components. Tighten or replace fasteners as needed.		✓	✓	✓	✓	✓	✓	✓

ROUTINE MAINTENANCE SCHEDULE

ITEM	ROUTINE	Every drive	Initial	Odometer Mileage					
			600 miles or 1 month	6k miles or 6 months	12k miles or 12 months	18k miles or 18 months	24k miles or 24 months	30k miles or 30 months	36k miles or 36 months
Regen lever pivot	Check operation. Service/rebuild as needed.		✓	✓	✓	✓	✓	✓	✓
Shocks	Inspect for leakage; replace as needed.			✓	✓	✓	✓	✓	✓
Throttle grip	Inspect for smooth, unrestricted movement. Service/replace as needed.	✓	✓	✓	✓	✓	✓	✓	✓
12V battery	Check and replace as needed.				✓	✓	✓	✓	✓
Wiper system	Check washer fluid level; add as needed. (Type: National Cycle N1401-01 Shield Wash) Check wiper blade; replace as needed. (Size:24" (610mm), for 14mm saddle-type wiper arm)		✓	✓	✓	✓	✓	✓	✓

ROUTINE MAINTENANCE SCHEDULE

ITEM	ROUTINE	Every drive	Initial	Odometer Mileage					
			600 miles or 1 month	6k miles or 6 months	12k miles or 12 months	18k miles or 18 months	24k miles or 24 months	30k miles or 30 months	36k miles or 36 months
Body work	Inspect all body panel fasteners. Replace or tighten as needed.				✓		✓		✓
Lock cylinders	Check operation. Service/replace as needed.				✓		✓		✓
Coolant system	Check for leaks and fluid level; add or repair as needed. (Type: Global Extended life 50/50 pre-diluted antifreeze)		✓	✓	✓	✓	✓	✓	✓
Coolant flush	Drain, flush, and replace coolant.						✓		
Gearbox ATF	Drain, flush, and replace fluid. (Type: DEXRON VI synthetic ATF)	Recommended interval - 60k /6 years							

ROUTINE MAINTENANCE SCHEDULE

Consumer Information

Please have the following available when contacting Arcimoto with questions, comments, or concerns about your FUV:

- Owner's name and address
- Owner's telephone number
- Vehicle identification number (VIN)

Phone/email

- Phone: (541) 683-6293: Monday-Friday 8 a.m. to 5 p.m. (Pacific Time)
- email: info@arcimoto.com

Address

Arcimoto World Headquarters
2034 W. 2nd Ave.
Eugene, OR 97402

Change of Address

If you change your address (physical and/or email), please contact Arcimoto Product Support at (541) 780-0032 to let us know.

Use the *Customer Information Card* included at the end of this manual (page [189](#)) to record your contact information. This card can also be used by a subsequent owner of the FUV.

Maintaining your current information with Arcimoto enables us to contact you should important new information about the vehicle, such as recalls, become available.

24/7 Nationwide Roadside Assistance

Nationwide roadside assistance is included with every Arcimoto vehicle while under warranty.

For immediate emergency roadside assistance, call:

1-866-235-3920

CONSUMER INFORMATION

Warranty

The current [Arcimoto FUV Limited Warranty](#) and related documents can be viewed and downloaded at www.arcimoto.com.

Warranty Service Contact Information

For any service and support needs for your FUV, please contact Arcimoto Product Support:

phone: **(541) 780-0032**

email: support@arcimoto.com

To meet your service needs, your authorized Arcimoto Service Center employs factory trained staff using the latest diagnostic and service techniques.

Obtaining Warranty Service

Any authorized Arcimoto Service Center of the owner's choice will perform warranty repairs or replacements. The FUV must be delivered to an authorized Arcimoto Service Center during normal service hours, at the owner's expense.

A reasonable time should be allowed after taking the FUV to an authorized Arcimoto Service Center for performance of the repair. Occasionally, delays in repairs occur due to back-ordered parts and other circumstances outside Arcimoto's control. Delays occurring for such circumstances will not be considered an unreasonable performance of the repairs.

Vehicles Covered

Arcimoto warrants to the original owner of a new FUV that any authorized Arcimoto Service Center will make any repairs or replacements necessary to correct defects in material or workmanship arising during the warranty period.

This warranty is provided to the original owner of a new FUV originally manufactured and sold by Arcimoto in the United States. This warranty is generally transferable to subsequent owners of the vehicle at any time ownership is transferred without action on the part of the owner, except that this warranty is not transferable (but is VOID) if the vehicle is registered outside of the United States.

Reporting Safety Defects

If you believe that your vehicle has a defect that could result in a crash or cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Arcimoto, Inc.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Arcimoto, Inc.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to <http://www.safercar.gov>; or write to: Administrator, NHTSA, 400 Seventh Street, SW., Washington, DC 20590.

You can also obtain other information about motor vehicle safety from <http://www.safercar.gov>.

Vehicle Telemetry

The FUV is equipped with electronic modules that monitor and record data from various vehicle systems, including the motor, battery, braking, and electrical systems.

The electronic modules record information about various driving and vehicle conditions, including braking, acceleration, trip, and other related information regarding your vehicle.

These modules also record information about the vehicle's features such as charging events and status, the enabling / disabling of various systems, diagnostic trouble codes, VIN, speed, direction, and location.

The data is stored by the vehicle and may be accessed, used, and stored by Arcimoto service technicians during vehicle servicing or periodically transmitted to Arcimoto wirelessly through the vehicle's telematics system.

This data may be used by Arcimoto for various purposes, including, but not limited to: providing you with Arcimoto telematics services; troubleshooting; evaluation of your

CONSUMER INFORMATION

vehicle's quality, functionality and performance; analysis and research by Arcimoto and its partners for the improvement and design of our vehicles and systems; and as otherwise may be required by law.

In servicing your vehicle, Arcimoto can potentially resolve issues remotely simply by reviewing your vehicle's data log.

Arcimoto's telemetry system wirelessly transmits FUV information to Arcimoto on a periodic basis. The data is used as previously described and helps ensure the proper maintenance of your vehicle. Additional features may use your FUV's telemetry system and the information provided, including features such as charging reminders, software updates, and remote access to, and control of, various systems of your vehicle.

Arcimoto does not disclose the data recorded in your vehicle to any third party except when:

- An agreement or consent from the vehicle's owner (or the leasing company for a leased vehicle) is obtained.

- Officially requested by Law Enforcement or other authorities.
- Used as a defense for Arcimoto in a lawsuit.
- Ordered by a court of law.

FCC Part 15 Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

California Proposition 65 - Electric Vehicles



WARNING

Operating, servicing, and maintaining a passenger vehicle or off-highway motor vehicle can expose you to chemicals including phthalates and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to www.P65Warnings.ca.gov/passenger-vehicle.

CONSUMER INFORMATION

First Responder Information

This section describes disabling the High Voltage System in the FUV by cutting the Emergency Cut Loop, located behind the front access panel on the nose of the FUV. Refer to the **FUV Emergency Response Guide** for more details.

Arcimoto Product Support: (541) 780-0032

DISABLING the HV SYSTEM

NOTE: *In the event of a collision or severe jarring of the FUV, an inertia switch opens and automatically disables the HV system. Additionally, the Battery Management System (BMS) and Vehicle Control Unit (VCU) will disable the high voltage system if it detects a potentially dangerous condition. However, when approaching a damaged FUV, always assume that the HV System is active.*

Turn the FUV Off

If the Key is present in the Key Switch:

Switch the FUV Key Switch to the OFF position and remove the Key. This method will disconnect the HV system, as long as the shutdown circuits are not damaged.

Manually Disabling the HV System

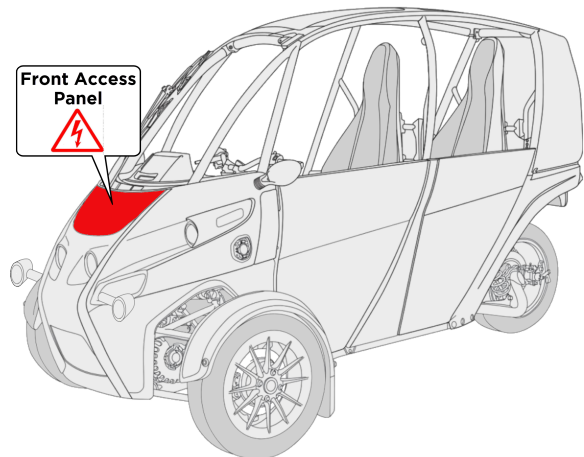
Before attempting to rescue occupants or move a damaged FUV, you should manually disable the HV system, to reduce the potential for current to flow from the electric motor or the HV batteries through the high-voltage cables.

There are two primary methods of manually disabling the high-voltage system, as described on the following pages.

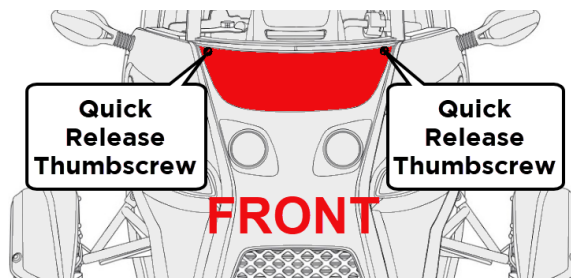
FIRST RESPONDER INFORMATION

METHOD 1: Cut the Emergency Cut Loop

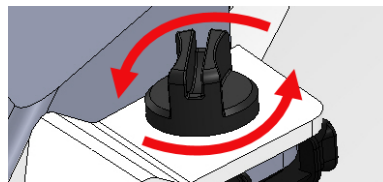
The FUV features an **Emergency Cut Loop**, located directly behind the Front Access Panel. The Emergency Cut Loop is clearly labeled with a tag that is visible when the access panel has been removed.



1) Remove the Front Access Panel



Twist both thumbscrews counter-clockwise to release the panel.



Once released, pull the Front Access Panel out and away from the nose.

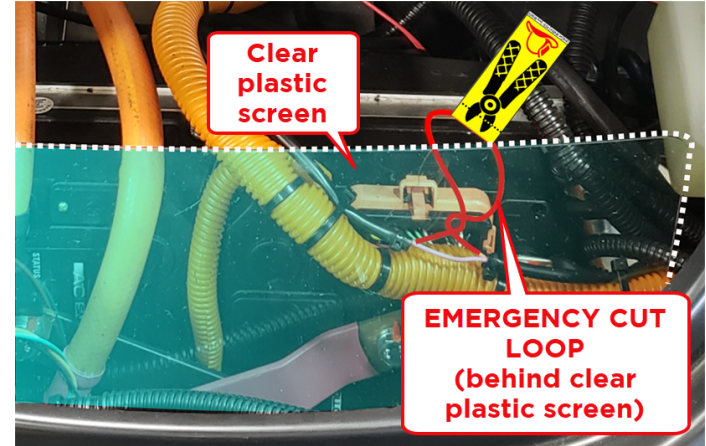
FIRST RESPONDER INFORMATION

2) Cut the Emergency Cut Loop

The Emergency Cut Loop is labeled with a tag designed to be highly visible once the Front Access Panel has been removed:

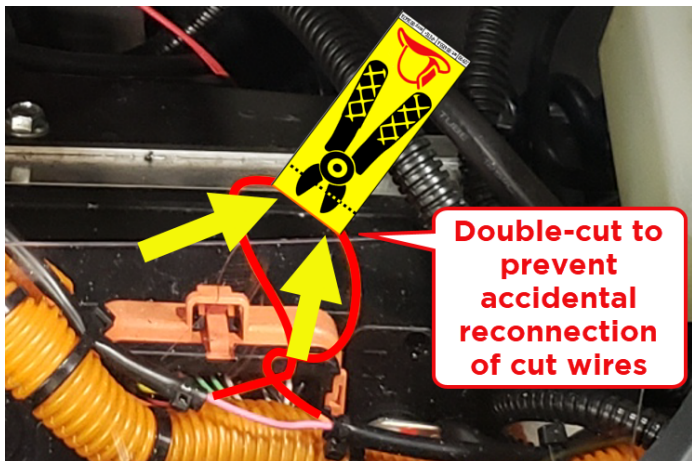


Note that the Emergency Cut Loop is located behind a thin, clear plastic safety screen:



Double cut the loop to remove an entire section of wire. This eliminates the risk of the severed wires accidentally reconnecting.

FIRST RESPONDER INFORMATION



Cutting the Emergency Cut Loop disables the high-voltage system, but does not disable the 12V system.

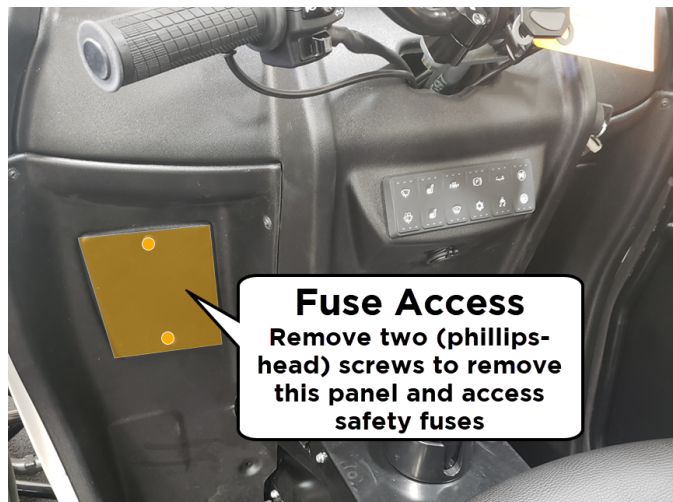
METHOD 2: Pull the Safety Fuses

Four 40A safety fuses are located behind an access panel on the lower left side of the dashboard.

Removal of these fuses disables the high-voltage system, and the 12V system.

1) Remove the Fuse Access Panel

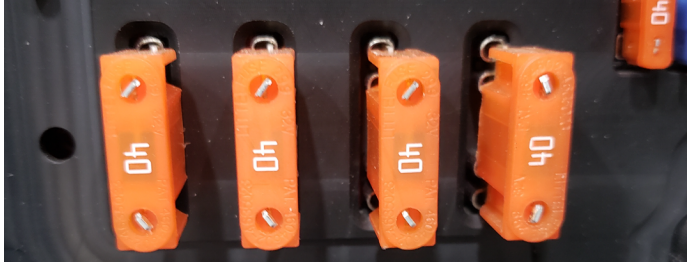
Remove the two Phillips-head screws that secure the fuse access panel.



FIRST RESPONDER INFORMATION

2) Remove the 40A Safety Fuses

Pull out the four 40A orange safety fuses:



DANGER

Regardless of the disabling procedure you use, ALWAYS ASSUME THAT ALL HIGH VOLTAGE COMPONENTS ARE ENERGIZED!

After deactivation, the high voltage circuit requires 2 minutes to de-energize.

Always use appropriate tools, such as a hydraulic cutter, and always wear appropriate personal protective equipment (PPE) when cutting the FUV.

Cutting, crushing, or touching high voltage components can result in serious injury or death.

FIRST RESPONDER INFORMATION



Customer Information/Product Registration

VEHICLE INFORMATION

Model/Year

VIN

Date Purchased

Factory PIN

Original Owner: Please fill out this form and retain for your records. As the original owner, we already have your contact information, but record your current email and phone info in case it changes later.

Name

Phone

Email

Secondary-Subsequent Owner: Please fill out this form and contact Arcimoto Product Support so that we can track your FUV in our system and contact you if necessary.

Date Purchased

Name

Phone

Email

St. Address

City/State/ZIP

ARCIMOTO PRODUCT SUPPORT CONTACT INFO

Arcimoto Product Support Email: support@arcimoto.com
Arcimoto Product Support Phone: 541-780-0032



For the most up-to-date information about your FUV, including updates to this Owner's Manual, visit www.arcimoto.com.

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