

ACTON M[®]

OWNER'S MANUAL

WARNING!
RISK OF DEATH OR SERIOUS INJURY

WEAR HELMET AT ALL TIMES

Improper use of ACTON M[®] can lead to serious injury or even death due to loss of control, falls and collisions. Please read and follow all instructions in this Owner's Manual prior to using M Scooter[®].

DO NOT RETURN TO STORE!

NOTE: Manual illustrations are for demonstration purposes only. Illustrations may not reflect exact appearance of actual product. Specifications are subject to change without notice.

Item Number : **MX AM002**

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IMPORTANT



Do not use ACTON M[®] until you read and thoroughly understand the owner's manual. It contains information critical to your safety.



It is extremely important that you follow the safety guidelines contained in this manual at all times to ensure maximum safety.



Failure to comply with the standards outlined in the manual could result in serious injury.



ACTON is not liable for any damage or injury caused by unsafe usage or faulty repairs. Any repairs made to this product by unauthorized service technicians are the sole responsibility of the owner.



WARNING

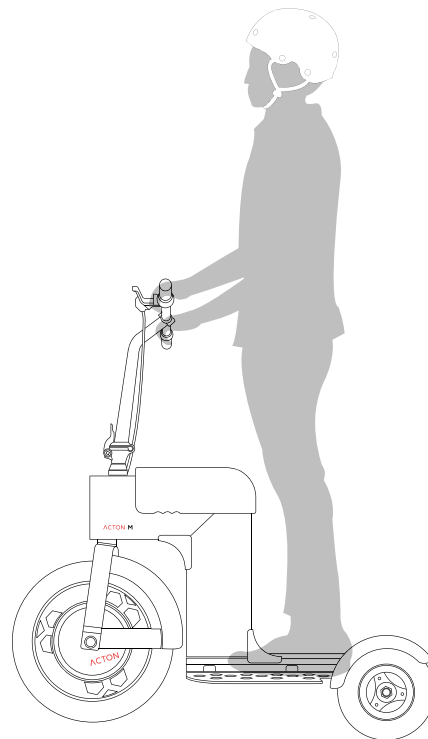


Riding ACTON M® can be a dangerous activity. Certain conditions may cause the equipment to fail without fault of the manufacturer. Like other electric mobility products, the ACTON M® is intended to move and accordingly it is possible for the rider to lose control, fall, collide with other objects and/or get into dangerous situations that no amount of care, instruction or expertise can completely eliminate. If such things occur you can be seriously injured or die, even when using safety equipment and using other precautions.

RIDE AT YOUR OWN RISK AND USE COMMON SENSE.

This manual contains many warnings and cautions concerning the consequences of failing to maintain, inspect or properly use your ACTON M. Because any incident can result in serious injury or even death, we do not repeat the warning of possible serious injury or death each time.

WEAR HELMET AT ALL TIMES.



1. SAFETY WARNINGS

1.A. General Disclaimer

WARNING: Riding Acton M® can be a dangerous activity. Certain conditions may cause the equipment to fail without fault of the manufacturer. Like other electric mobility products, the Acton M® can and are intended to move and accordingly, it is possible for the rider to lose control, fall, collide with other objects and/or get into dangerous situations that no amount of care, instruction or expertise can completely eliminate. If such things occur you can be seriously injured or die, even when using safety equipment and using other precautions. RIDE AT YOUR OWN RISK AND USE COMMON SENSE.

2.B. Age, Weight, Health

Acton M® is designed for adults and for older teens. Accordingly, the recommended rider age is 16 years of age and older. Notwithstanding this age recommendation, any rider unable to fit comfortably in Acton M® should not attempt to use it.

Keep Acton M® away from small children and young teens. Acton M® is only intended for use only by persons who are, at a minimum, completely comfortable and competent while operating Acton M®.

DO NOT EXCEED THE WEIGHT LIMIT OF 250 pounds. Rider weight does not necessarily mean a person's size is appropriate to fit or maintain control of Acton M®.

2.C. Operating Temperature, Conditions for Safe Riding

Before riding, be sure to check all pivot points, buttons, quick releases, and latches to ensure that they are secured properly. Only one person should ride the Acton M® at a time.

Do not ride the Acton M® when it is raining. Always ride on dry paved surfaces. Gravel, wet, and uneven surfaces are hazardous.

Check if battery is properly installed and charged. Check battery level after each use. Do not place the battery near heat or fire. Do not expose the charger to water or any moisture.

Do not forget to power off the Acton M® after each use by turning the key in the glove box to the "OFF" position.

2.D. Battery Handling & Disposal

1 Please read the battery instructions and the label on its surface before use.

2 Battery is best used under optimal conditions, temperature: 50-75°F (10-24°C), absolute humidity: 45-85%

3 When in use, the battery should be kept out of heat, high voltage and out of the reach of children. Do not drop the battery.

4 Only use the charger that comes with Acton M®. Do not leave the battery with the charger plugged in for over 24 hours.

5 Do not short circuit by linking connectors together. Do not demolish or disassemble the battery by yourself. Do not store the battery in a damp place.

6 When the battery is stored, we recommend charging it once a month. Do not wrap it with conductive material- damage could be caused by direct contact between conductive material and battery. Store the battery in a dry place.

BATTERY HAZARD WARNING

DO NOT disassemble, tamper, or damage batteries. The battery has protective components and circuits internally to avoid damage and to keep it running properly.

DO NOT short-circuit batteries by linking the plus and minus connectors with metals.

Do not put the battery with metal materials together for storage or transport.

DO NOT get batteries damp or wet.

DO NOT use or charge batteries near heat, fire, or in direct sunlight.

Charging near a fire or in direct sunlight can cause internal short-circuit or abnormal chemical reactions. NEVER plug batteries directly into a wall socket.

DO NOT use this battery for other equipment.

DO NOT mix with other batteries. This battery cannot be used with disposable or other rechargeable batteries.

DO NOT over-charge batteries. Please stop charging after 8 hours.

DO NOT put batteries in microwave, stove, or any other appliance.

FAILURE TO COMPLY WITH THESE DIRECTIONS CAN LEAD TO REDUCED BATTERY CYCLE LIFE, OVER-HEATING, SMOKING, DISTORTION, BURNING, OR EXPLODING OF THE BATTERIES.

NEVER TOUCH A LEAKING BATTERY

Avoid battery fluid being exposed to clothes, skin, or eyes. The leaking fluid will cause irritation. In case of contact wash immediately with water and call emergency services for treatment. Leaking will not happen if the battery is used properly.

CAUTION

The battery must not be exposed to excessive cold, heat or direct sunlight.

Do not store the batteries in temperatures above 75°F (24°C) or below 35°F (1.7°C).

STATIC ELECTRICITY

There is a protective circuit inside the battery as a preventive measure. Do not use the battery in areas where static electricity is likely to build up, (above 1000V), for it can easily destroy the circuit board so that the battery does not work and can cause over-heating, distortion, smoking or burning.

DISCHARGING TEMPERATURE RANGE

Recommended discharging temperature range is 32-104°F (0-40°C). Use outside the temperature range may result in shortened battery life.

CHARGING METHOD FOR FIRST USAGE

When you use the battery for its first time, do not put it into the equipment if you find it in unusual condition such as having leaks or odors. The battery should be returned to the vendor in this case.

KEEP AWAY FROM CHILDREN

Keep battery out of the reach of children. Prevent children from taking the battery out of the charger or Acton M® to play.

CONTAINS SEALED LITHIUM ION BATTERIES. BATTERIES MUST BE RECYCLED.

Disposal: Acton M® uses sealed lithium ion batteries which must be recycled or disposed of in an environmentally safe manner. Do not dispose of the lithium ion battery in a fire as the battery may explode or leak. Do not dispose of the lithium ion battery in your regular household trash. The incineration, land filling or mixing of batteries with household trash is prohibited by law in most areas. Return exhausted lithium batteries to a federal or state approved lithium ion battery recycler.

2. QUICK START

2.A. Unboxing & Product List

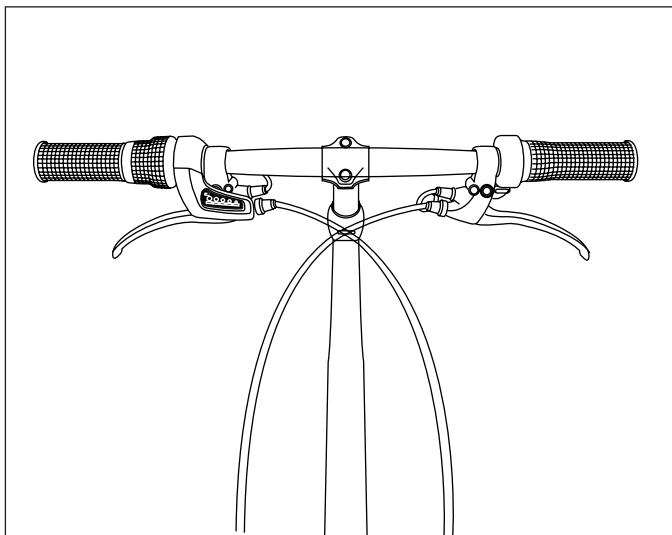
Remove the foam and/or cardboard separators that protect the components from damage during shipping. Remove any plastic bags and wire ties from Acton M®. Inspect the contents of the box for scratches in the paint, dents or cracks that may have occurred during shipping. Because Acton M®

is 100 percent assembled and packed at the factory, there should not be any problems, even if the box has a few scars or dents.

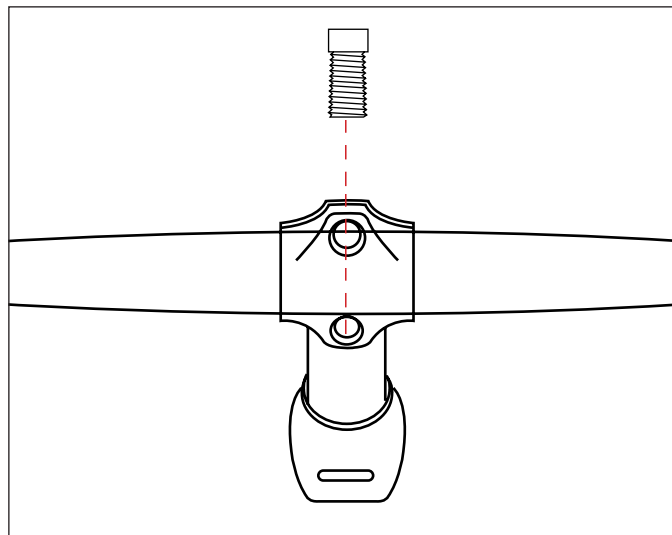
PRODUCT LIST:

- ACTON M Scooter (X1)
- Battery (X1)
- Battery Charger (X1)
- Security Keys (X1)
- User Manual (X1)
- Allen Wrench 5mm (X1)

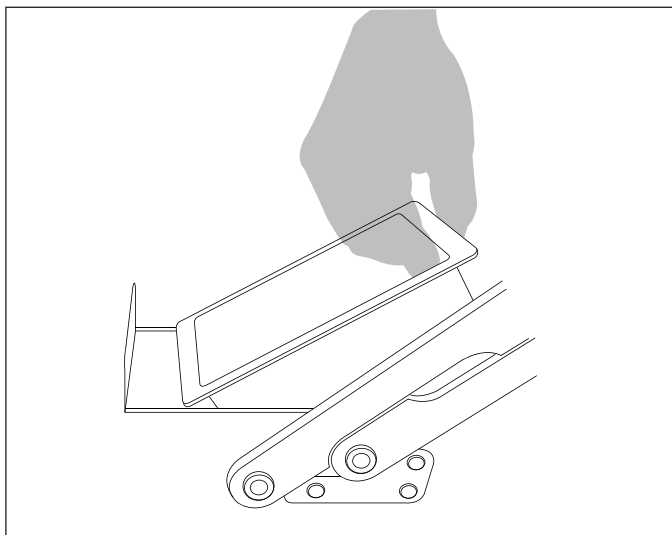
2.B. Assembly



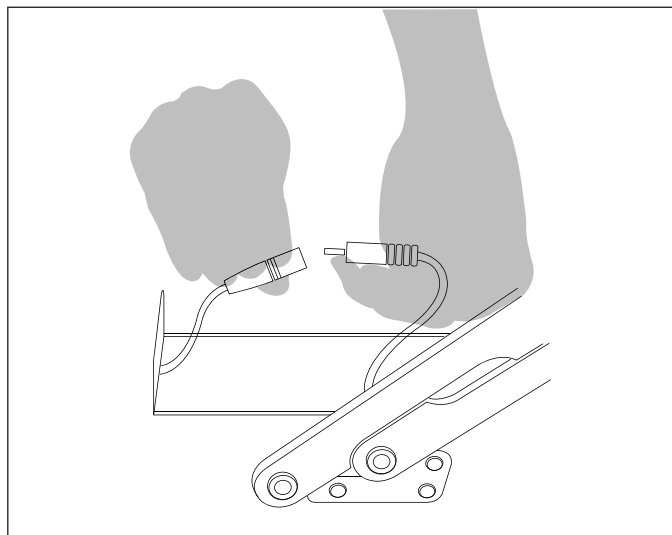
Pull up on rod and lock into upright position.



Attach handlebar to rod and screw bolts (2) into the clasp.

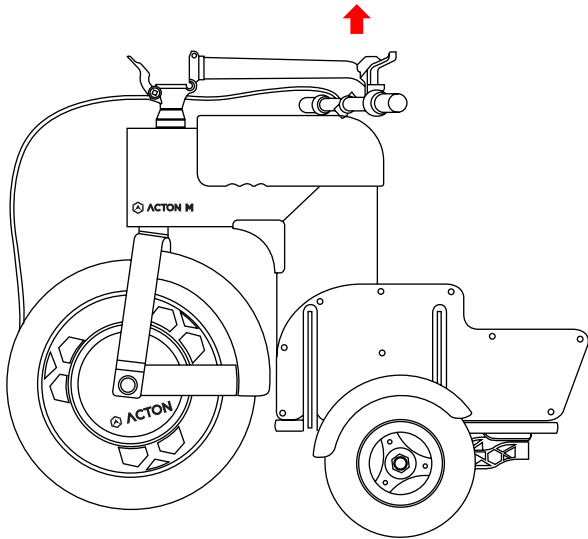


Check battery connection.
Unfold seat and remove glovebox.

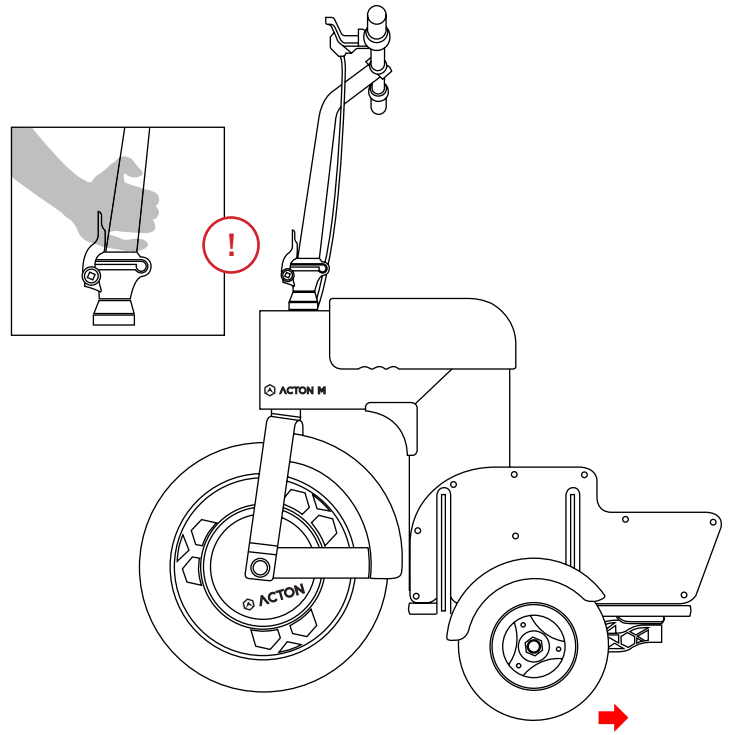


Battery cord should always be connected when in use.
Only disconnect when charging battery pack separately.

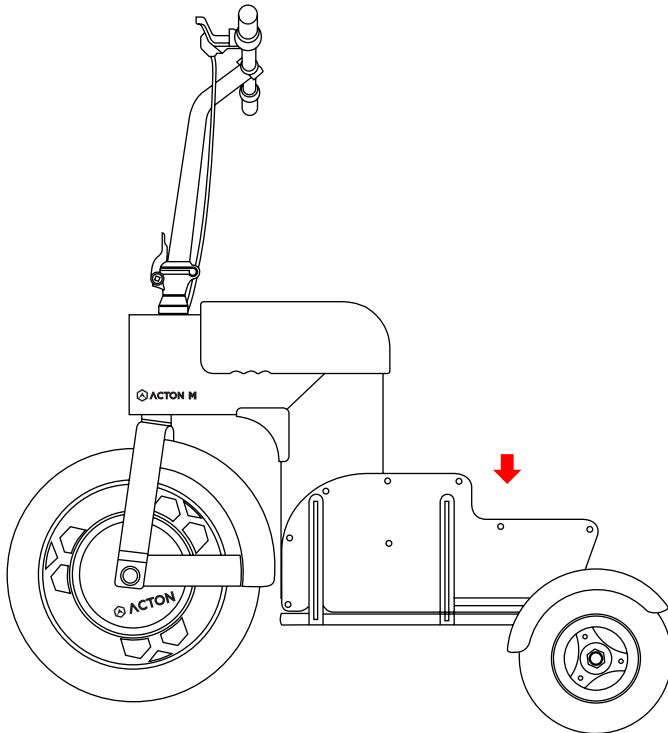
2.C. Folding & Unfolding



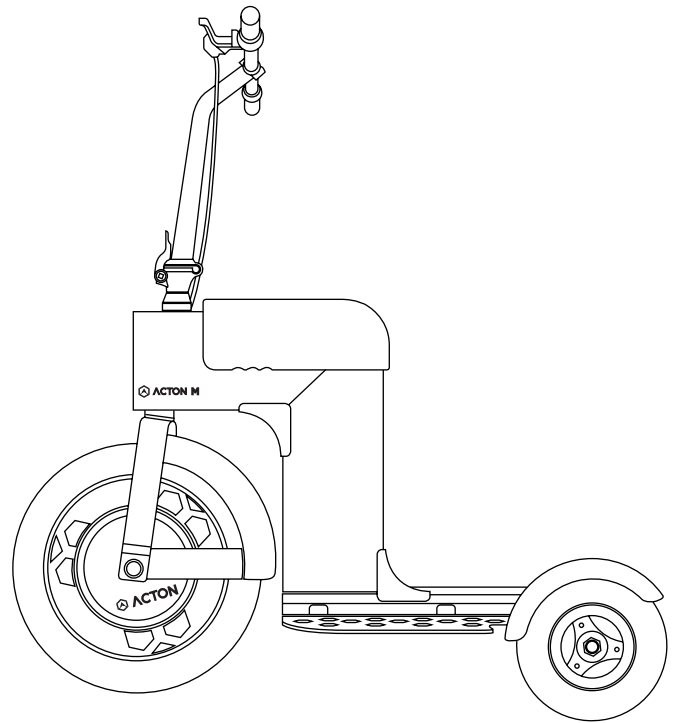
Pull up handlebar and secure into upright position.



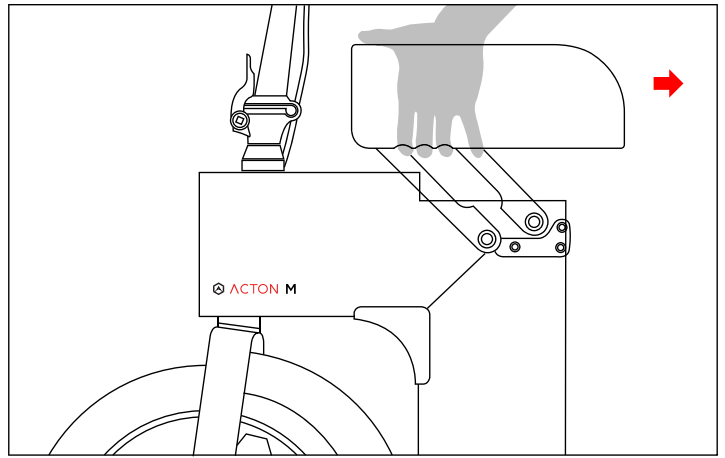
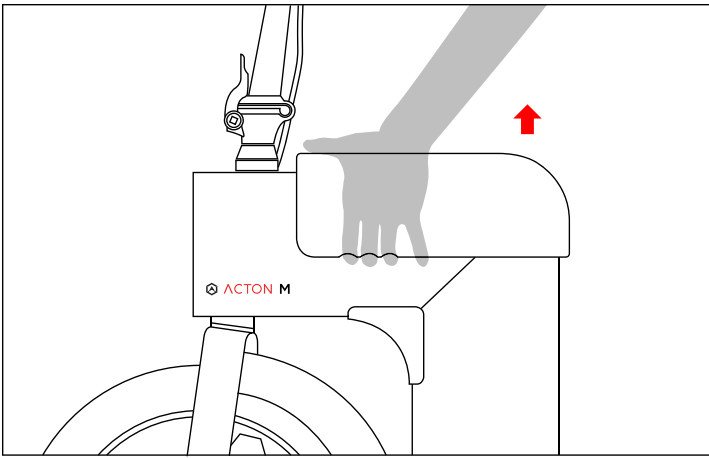
Clamp lock into place.
Pull wheels backwards until secure.



Push down foot pads on both sides and lock into place.
Make sure surface is flat.

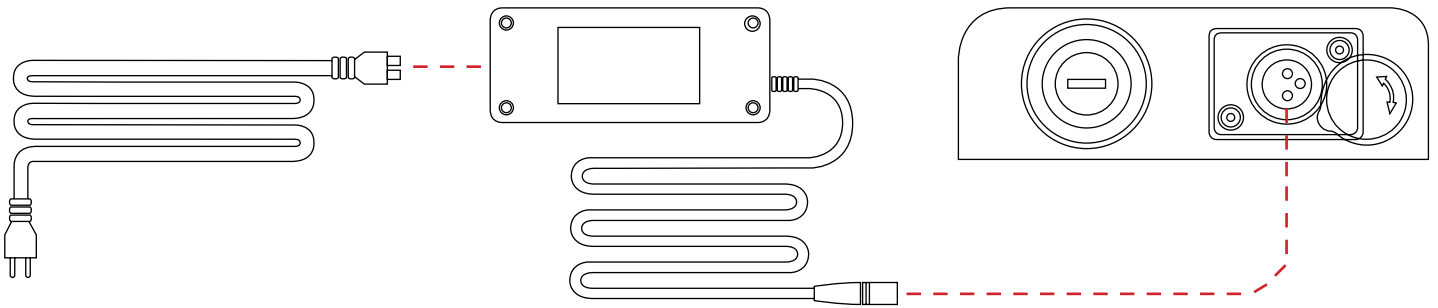


M Scooter is now in standing riding position.

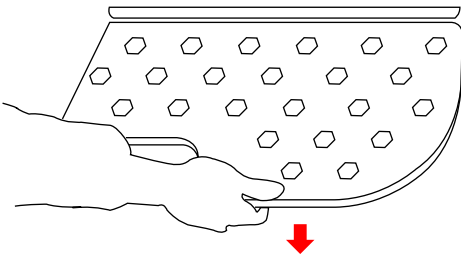


Grasp seat with both hands. Pull up, then out.

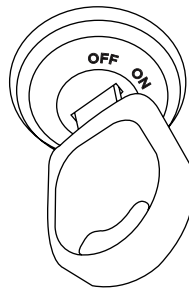
2.D. Charging



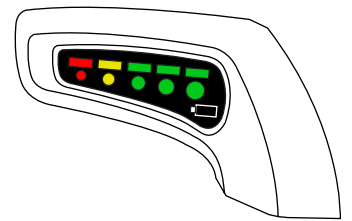
2.E. Pre-scooting Checklist



Make sure footpad is flat and secure. Make sure plastic groove snaps into place.

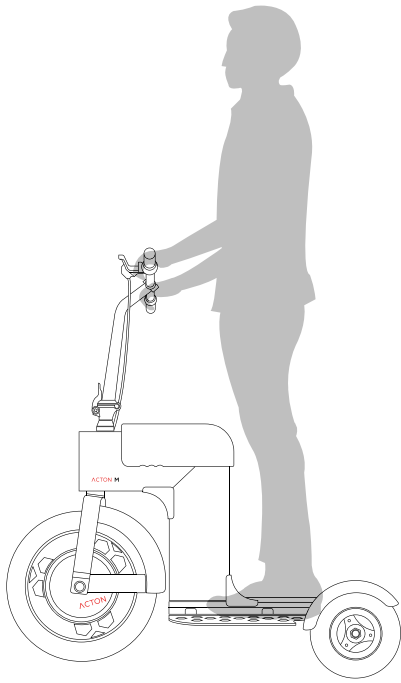


Check start ignition is turned to ON.

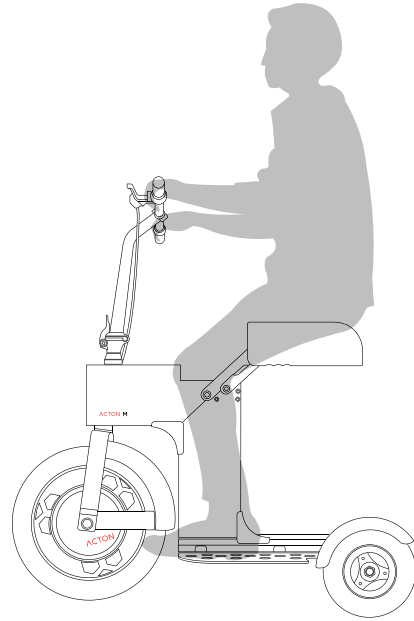


Check battery charge.

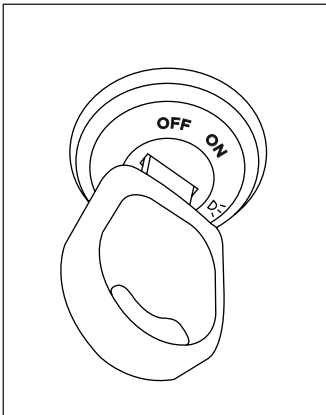
2.F. Riding



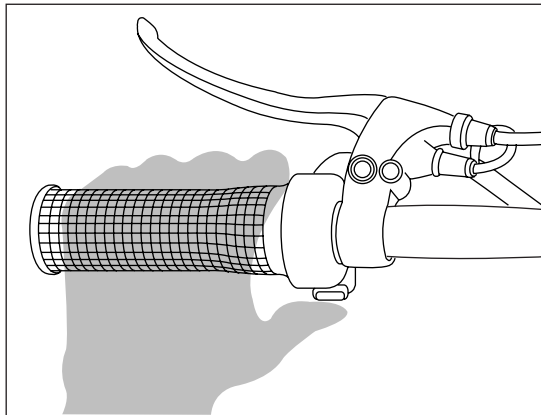
STANDING POSITION



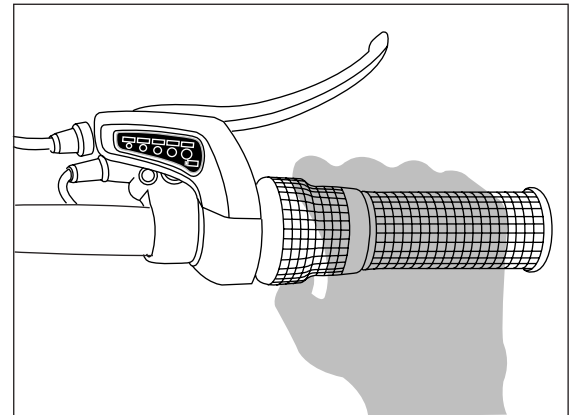
SEATED POSITION



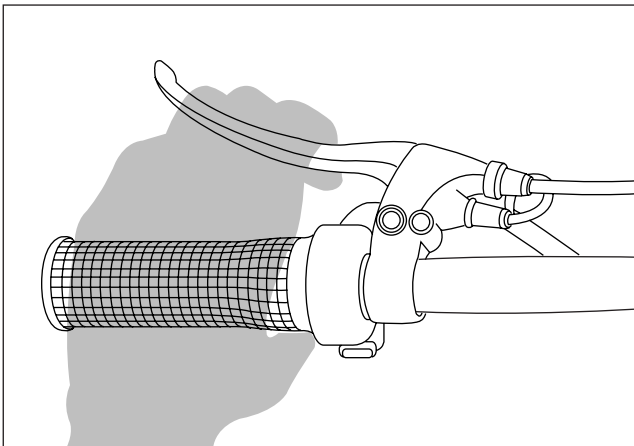
Turn key clockwise all the way to turn on headlights.



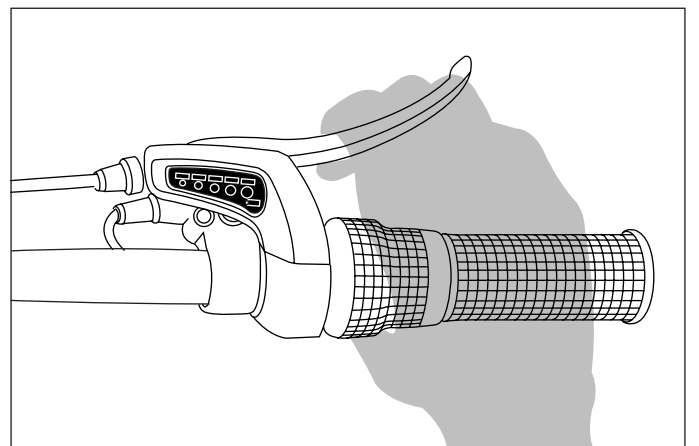
Press horn button.



Twist throttle towards you to accelerate.



Clamp down both brakes to stop.



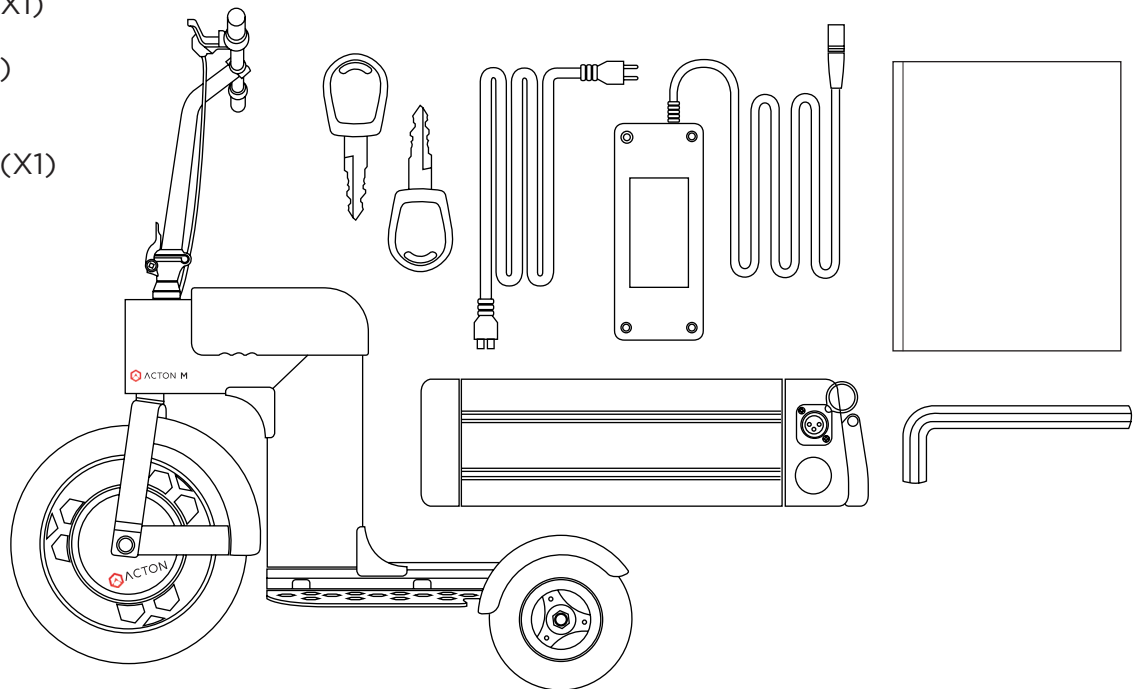
3. PRODUCT INFORMATION

3.A. Technical Specifications:

MODEL	ACTON M
MAX SPEED	12 MPH*
RANGE IN DISTANCE	12 - 15 Miles*
MOTOR	250 W DC Brushless Hub Motor
CHARGING TIME	2 Hrs** ~ 4 Hrs
BATTERY	Li-ion Polymer 36V 10Ah
WHEELS	Pneumatic
SIZE FOLDED	38.3" L X 20.5" W X 30.9" H
SIZE EXPANDED	40.3" L X 25.8" W X 43.7" H
WEIGHT	70 LBS
SHIPPING WEIGHT	80LBS
MAX RIDER WEIGHT	250 LBS*
INCLUDES	M Scooter, Battery, Battery Charger, Security Keys (2), User Manual
OPTIONAL ACCESSORIES	Extra Battery, Extra Battery Charger, Rapid Battery Charger, Front Cargo Basket, Custom Horn, Messenger Bag (Clips on handlebars), ACTON Water Bottle, ACTON T-Shirt

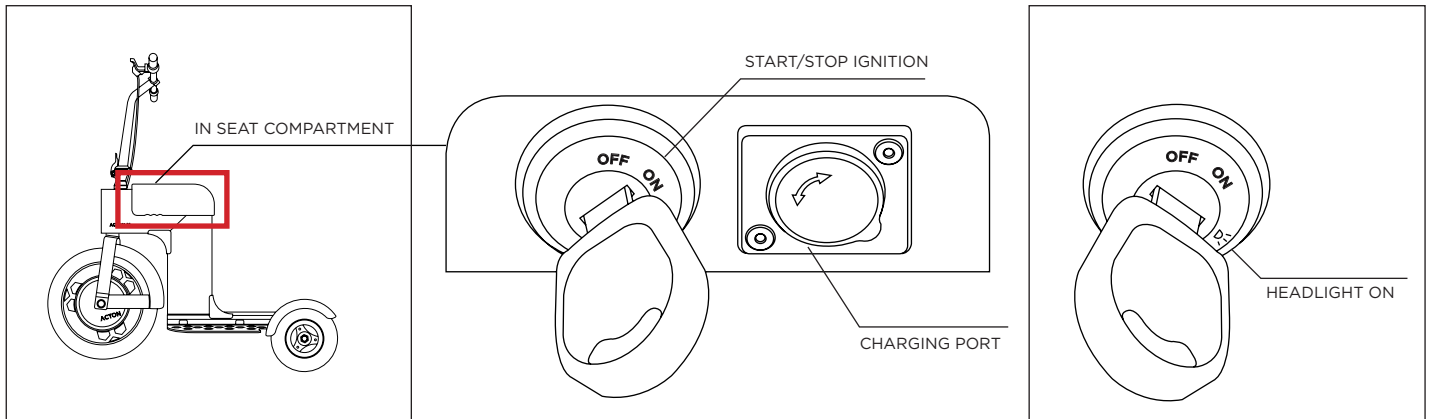
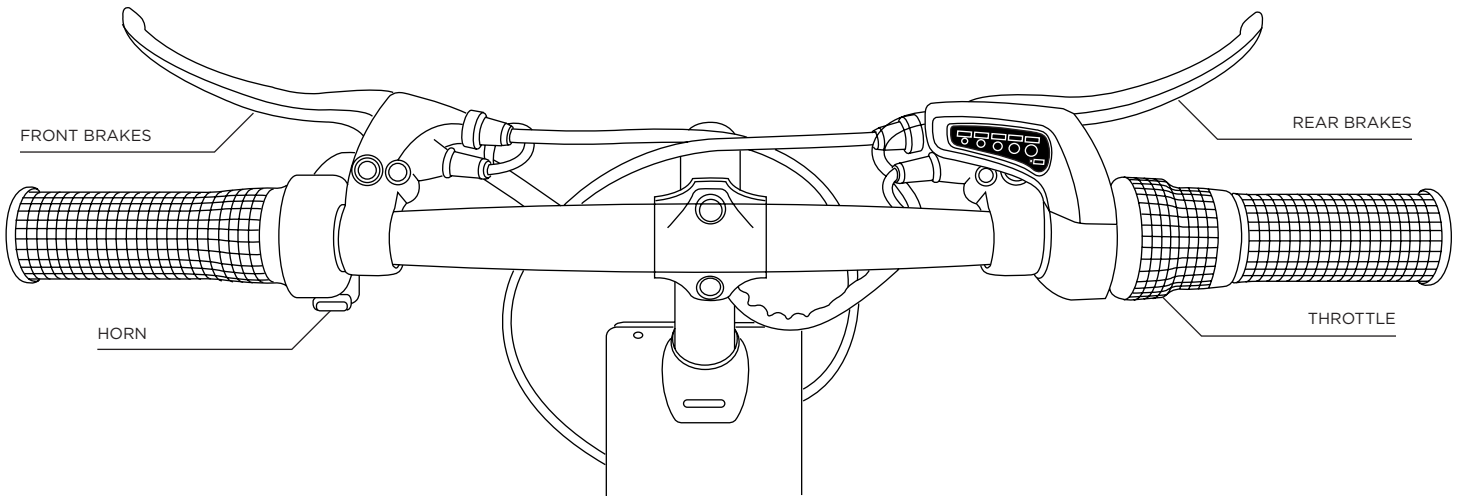
3.B. Parts Illustration and List

- ACTON M Scooter (X1)
- Battery (X1)
- Battery Charger (X1)
- Security Key (X2)
- User Manual (X1)
- Allen Wrench 5mm (X1)



3.C. Control Interface

- Front Brake
- Rear Brakes
- Throttle
- Horn
- Start/Stop/Light Switch
- Charging Port



4. SETUP & GO

Never allow children under 12 to operate the Scooter. Failure in following the instructions may result in serious injury.

4.A. Assembly & Disassembly

To ensure maximum safety, Please read carefully the assembly manual before assembly the M Scooter. Pay special attention to the brake and electrical cables connecting the handlebar and the M Scooter as they may be damaged under excessive stress. STOP IMMEDIATELY if the cables are tangled or you feel tension from the cables. The handlebars CANNOT be turned 360 degrees, they must be returned to the forward position by turning them in the opposite direction to the one they were originally turned in.

Assembly:

1. Take the M Scooter and the Handlebar out of the box carefully
2. Use the included Allen Wrench to loosen the two screws holding the stem
3. Remove the screws and the stem head. DO NOT lose them!
4. Place the handlebar in the stem
5. Place the stem head back in place
6. Adjust the handlebar to make sure it's properly centered and splines match.
7. Reinsert and tighten the two screws with the attached Allen Wrench.

Disassembly:

To disassemble the handlebar, follow the assembly procedures in reverse order. Make sure the brake and electrical cables does not have tensional force when storing the disassembled Scooter.

4.B. Folding & Unfolding

Make sure the M Scooter is turned off and parked on level ground with sufficient space to operate. Failure to follow the instructions may result in sudden movement of the Scooter and/or injury.

UNFOLDING

1. Use one hand to hold the front section of the Scooter chassis. Pull up the top portion of the handlebar. Make sure both hands are a safe distance from the pivoting point.
2. Pull the handlebar lock lever up and secure the lever with both hands. There is a final "soft click" before the locking lever is in the secure position. The handlebar is only secured when the lever is in a parallel position with the vertical bar and rigid.
3. Rotate the black plastic safety lock until it locks through the hole in the lever.
4. Put one hand on top of the handlebar and carefully tilt the Scooter to 15 - 25 degrees away from you. This makes it easier to lift the rear wheel back into position. Lift one side at a time, tilting the scooter away from yourself on alternating sides to lift a rear wheel.
5. Grab the front section of the rear wheel and pull backward. This may be easier to do with your foot- push it backwards until the spring pulls it into place.
6. Lower the footpad carefully and lower the scooter so all wheels touch the floor. Make sure the spacing block attached to the bottom of the footpad matches the gap between the rear wheel beams.
7. Repeat step 4 to 6 for the opposite side of the Scooter.
8. Grab the seat at the position shown on the picture from both sides. Lift up and pull back until the supporting beams firmly contact in the rearward position (about a 45 degree angle).

FOLDING

To fold the Scooter, follow the unfolding procedures in reverse order. Make sure the Scooter is tilted to one side before retracting the rear wheels (one at a time) and folding the foot pads up.

4. C. Battery Charging

Use only the included AC Adapter and 110-240V indoor AC outlet. Check regularly for possible damage to the cord, plug, enclosure or other parts. In the event of damage, do not attempt to charge M Scooter until the charger has been repaired or replaced. Do not operate charger near flammable materials. Make sure the power is turned off prior to removing/replacing batteries from the Scooter. Never store the battery in freezing or below freezing temperatures as this may damage the battery permanently.

The M Scooters may not have a fully charged battery when it first arrives. It is recommended to charge the battery prior to your first use.

The charging port is located in the front of the glove box underneath the retractable seat. It is accessible only when the seat is fully unfolded. Plug the charger to the battery first, then plug it into the electricity outlet. When the charger is plugged in, the indicator on the charger will light up to indicate the charge status. Red light indicates the charging is in process. Green light indicates the charging is finished. It usually takes 3-5 hours to fully charge the battery. The charger has built-in over-charge protection circuit to avoid being over-charged. It is normal that the charger may get warm during use.

It is also possible to charge the battery separately. The charging port is located at the right top side of the battery pack.

To remove or replace the battery, unfold the seat and remove the glove box. Carefully unplug the power cable and lift the battery with the handle. Use reversed steps to put the new battery back.

WARNING: Failure to recharge the battery at least once a month may result in a battery that will no longer accept a charge.

FAILURE TO USE COMMON SENSE AND HEED THE ABOVE WARNINGS INCREASES RISK OF SERIOUS INJURY. USE WITH APPROPRIATE CAUTION AND SERIOUS ATTENTION TO SAFE OPERATION.

4.D. Riding

WARNING: Always check and obey all local laws or regulations which may affect the locations where M Scooter may be used. Ride defensively. Watch out for potential obstacles that could catch your wheels, other parts of the scooter, or force you to swerve suddenly or lose control. Be careful to avoid pedestrians, motor vehicles, skateboarders, other M Scooter riders, scooters, bikes, children or animals who may enter your path.

Do not turn the M Scooter power on unless usage of the M Scooter is imminent and you are in a safe environment suitable for riding.

Do not touch the wheels or any moving parts on your Scooter when in use or immediately after the discontinuation of riding as these parts can become very hot and may burn you.

Do not attempt or do stunts or tricks on your M Scooter. M Scooter is not made to withstand abuse from misuse such as jumping, curb grinding or any other types of stunts. M Scooter can easily break from the stresses incurred by these activities. Any such misuse will void the warranty.

Do not use M Scooter near steps, swimming pools, holes, cliffs or other uneven terrain.

Keep your fingers and other body parts away from the wheels and all other moving components.

Never use headphones, cell phones, mobile gaming devices or anything else that could distract you while riding.

As with all vehicles, do not drink and drive.

Do not ride your M Scooter in wet or icy weather and never immerse the M Scooter in water, as the electrical and drive components could be damaged by water or create other possibly unsafe conditions.

M Scooter is intended for use on flat, dry surfaces such as pavement or level ground without loose debris such as sand, leaves, rocks or gravel. Wet, slick, bumpy, uneven or rough surfaces may impair traction and contribute to possible accidents. Do not ride your M Scooter in mud, ice, puddles or water. Avoid excessive speeds, especially downhill. Never risk damaging surfaces such as carpet or flooring by use of M Scooter indoors. M Scooter can also be damaged by carpets.

Do not ride at night or when visibility is limited.

For safety purposes, the M Scooter has a brake cut off function. The electric motor shuts off whenever either brake lever is pulled. This cut off function overrides the throttle. To regain power, the throttle has to be fully released.

When riding the Scooter, it is recommended to always wear proper protective equipment such as an approved safety helmet (with chin strap securely buckled). A helmet may be legally required by local law or regulations in your area.

Standing Position:

When riding the Scooter in a standing position, make sure the handlebars, rear wheels and foot pads are fully unfolded and locked into position, where applicable. It is recommended to retract the seat when riding in a standing position. Stand in the middle section of the foot pads to take advantage of better front wheel grip.

Sitting Position:

When riding the Scooter in a sitting position, make sure the handlebars, rear wheels, foot pads and seat are fully unfolded and locked into position, where applicable. Sit in the middle section of seat. Make sure to step on the footpad at all times in case of emergency situations during riding.

Headlights and Horn:

The LED headlight is turned on by switching the ignition key clockwise 2 clicks on the Scooter. It is recommended to turn on the Headlights at all times to raise awareness of your presence to other people and motor vehicles around you.

5. MAINTENANCE

5. A. Tire Pressure

It is recommended to check the tire pressure regularly. Running with improper tire pressure may increase the risk of a blown tire, excessive tire wear or poor mileage performance.

The recommended tire pressure is:

40 Psi in the front wheel

30 Psi in the rear wheels

5. B. Battery Capacity Stretch

Perform a full charge (5 hours) before first riding

Operate the Scooter only in 0-90 degree

Store the Battery only in -20-110 degree

Charge at least once a month

Avoid keep the battery at low capacity for a long period

Only use the original charge that comes with the Scooter

5. C. Rotating Part Lubricant

Once a year go over all moving parts with oil-based liquid lubricant.

DO NOT USE WD40.

5. D. Brake Calibration

Similar to standard bike brake barrel adjusters. Twist main barrel and tighten ring in opposite direction.

6. TROUBLESHOOTING

PROBLEM	CAUSE	FIX
WON'T START	Battery not connected	Check battery connection under glovebox.
	Battery not charged	Check battery display. Red > Low. Green > Charged
WON'T GO	Battery Low	Check battery display.
WON'T CHARGE	Charger not connected	Check battery connection under glovebox.
	LOW SPEED	Battery running low
	Uphill	Charge battery.
	High payload	Unload payload.
LOW RANGE	High payload	Unload payload. Charge battery.
	Cold temperature	Discontinue use until weather permits.
	Hill climbing	Charge battery.
NOISE	Brake needs calibration	Check brake barrel adjusters and mounting screws.
	Joint lubricant	Use liquid lubrication on joints.
LOCKOUT		Contact customer service for replacement key.

7. ATTACHMENTS

7. A. Optional Accessories

Additional Custom Horn
ACTON Water Bottle
ACTON T-Shirt
Front Cargo Basket
Extra Standard Battery Charger
Rapid Battery Charger (Charges battery up to 2x faster)
Messenger Bag (Clips to handle bars)
Extra Rechargeable Lithium Ion Polymer Battery

8. WARRANTY, DISCLAIMER

Please visit www.ACTONglobal.com/warranty for the most up -to-date warranty specifications.

9. COPYRIGHT

Please visit www.ACTONglobal.com for the most up -to-date copyright information.

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