



EM I40T / I40F Owner's Manual



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Sewell, NJ 08080



Thank you for purchasing the Model I40T/I40F. With proper care, this vehicle should give you a lifetime of fun and excitement. You will enjoy the freedom to do what you want, when you want, and when you want to.

Your satisfaction means everything to us. That's why we have the best customer service in the industry. Information on our service and warranties are all spelled out in a subsequent section of this manual.

Electric Mobility's mission is to provide easy to use, convenient and portable mobility products to help you get more out of your life.

Please call us at 1-800-257-7955 if you have any questions.

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Safety Information

Read and understand these Warnings and the entire manual before using your Model 140T/140F Scooter. Failure to follow these instructions may result in damage to the vehicle or serious injury. **NOTE: The caster wheels may NOT prevent the scooter from tipping if scooter is used improperly.**

WARNING!

This vehicle is not a medical device and is NOT intended for use by those with mobility problems or medical disabilities.

1. **DO NOT** exceed the specifications of this unit, modify this unit in anyway, or use the unit for a purpose other than as intended.
2. **DO NOT** operate this unit if your health or medications you are taking cause you to feel dizzy, affect your vision, or in any way impact your thought process, coordination, or ability to safely operate the unit. Check with your physician should you experience any of these symptoms.
3. **DO NOT** operate this unit after consuming any alcoholic beverages.
4. **DO NOT** transfer "on" or "off" the unit until it is turned "OFF", completely stopped, and when it is on a stable and level surface.
5. **DO NOT** attempt to ride over curbs or other obstruction higher than 2 inches.
6. **DO NOT** stop when going up an incline. If you must do so, always lean forward to shift the center of gravity and prevent the unit from tipping.
7. **DO NOT** climb inclines that pose a concern for stability.

8. **DO NOT** drive across an incline or attempt to turn while on an incline.
9. **DO NOT** back down an incline or allow the unit to be backed down an incline.
10. **DO NOT** turn off the power while the unit is moving.
11. **ALWAYS** remember vehicle capacity is limited to one person only. This unit is not approved for towing or for weights in excess of the published maximum.
12. **ALWAYS** drive straight up and down inclines.
13. **ALWAYS** turn the power off when the unit is not in use. This will not only extend the life of the charge in the battery but will keep the unit from being accidentally moved.
14. **ALWAYS** use a grounded receptacle. Use of a non-grounded receptacle could result in an electrical shock.
15. **ALWAYS** reduce speed when making a turn.
16. **ALWAYS** keep arms and legs within the confines of the unit.
17. **USE EXTRA CAUTION** when climbing inclines (ramps, hills, driveways, etc.).
18. **USE CAUTION** when braking on an incline or wet or slippery surfaces as the unit will take longer to come to a complete stop.
19. **USE CAUTION** when operating the unit in bad weather or driving through water as moisture could affect the control system or other parts of the unit either temporarily or permanently.
20. **OPERATOR** must remain seated when the unit is moving.
21. **NEVER** hose off your vehicle or allow it to come in direct contact with water.
22. **NEVER** use your unit in a shower or steam room.
23. **NEVER** charge batteries that may be frozen.

Important Information Regarding Electromagnetic Interference (EMI)

It is very important that you read this information regarding the possible effects of electromagnetic interference (EMI) on your scooter.

Electromagnetic interference (EMI) refers to the effects that outside sources of electromagnetic energy (radio and television broadcasts, CB radios, garage door openers, cellular telephones, etc.) might have on the control systems of your scooter. The interference from these sources could cause the scooter to release its brakes, move by itself, or to move in an unintended direction. EMI could also result in permanent damage to the control system.

The sources of electromagnetic energy can be broadly classified into three types:

- **Hand held short-range portable transceivers** — These are transmitter/receivers with the antenna mounted directly on the unit. Examples include: citizen band (CB) radios, “walkie-talkies”, security, fire and police transceivers, cellular telephones, and devices that transmit signals even when not in use.
- **Medium range mobile transceivers** — These usually have the antenna mounted outside of a vehicle or building. Examples include: police, fire, ambulance and taxi transceivers.
- **Long range transmitters and receivers** — These usually have the antenna mounted on a tower. Examples include: commercial radio/television broadcasts and amateur (HAM) radios.



Other types of hand-held devices like cordless phones, laptop computers, AM/FM radios, and small appliances like hair dryers or electric shavers may also generate electromagnetic energy, but it is such a small amount that, as far as we know, no EMI problems should occur with these devices.

The intensity of interference from electromagnetic energy is measured in volts per meter (v/m), which refers to the strength of the electrical source (voltage) as it relates to the distance away from the object being considered (in meters). Resistance of a scooter to a certain EMI intensity is commonly called its "immunity level." A level of 20 volts/meter is a generally achievable and useful immunity level against interference from radio wave sources (the higher the immunity level, the greater the protection).

Your scooter has been tested and found to meet the required immunity level for Electromagnetic Interference (20 v/m).

WARNING!

Even with an immunity level of 20 volt/meter, certain precautions must be followed to ensure that your vehicle will not be affected by outside electromagnetic sources.

- Do not operate hand-held transceivers such as citizen band (CB) radios or turn on powered communication devices such as cellular phones while the scooter is turned on.
- Be aware of nearby transmitters, such as radio and television stations, and avoid coming close to them.
- If an unintended movement should occur while operating the scooter, turn the power “off” as soon as it is safe to do so.
- Be aware that if you do operate any electrically powered accessories, radios, cellular phones, or other devices, that your scooter may become more susceptible to interference from outside electromagnetic sources.
- Report all incidents of unintended movement or unexpected brake releases to Electric Mobility's customer service department.

Getting to know your Model I40T/I40F

Your Model I40T/I40F scooter from Electric Mobility is a powerful, useful vehicle that offers increased mobility with easy, safe operation. Before using your I40T/I40F, use this section to first familiarize yourself with the components, setup, controls, and adjustments to enjoy it safely and successfully.

Components

The Model I40T/I40F consists of the following major components. Locations are shown in Figure 1.



Figure 1 — Model I40F Components



Initial Setup

Prior to using your Model I40T/I40F, use the following to initially setup the vehicle for proper use and safe, comfortable operation. Initial setup involves installing the seat and front basket. If the vehicle is delivered with the seat and basket installed, you can skip this section and proceed with how to charge the battery before riding.

Installing Seat and Front Basket

The I40T/I40F includes a swivel seat and detachable front basket that may require installation when you first receive it.

Seat Installation

To install the seat begin by pulling the locking lever back, located beneath the seat. Insert the seat onto the seat post tube, and release the locking lever to lock seat in position. Turn the seat back and forth slightly allowing the lever to lock into position. Seat installation is shown in Figure 2.



Figure 2 - Seat Installation

Front Basket Installation

The front Basket installs on the basket mounting brackets located on the scooter handlebar assembly. Align basket with mounting brackets and push firmly down to secure basket in position.

Charging Battery

It is recommended to charge your batteries:

- Upon initial receipt of your Model 140T/140F
- For 6-8 hours (overnight) after extended use during the day
- Whenever the battery meter indicator goes into the red area
- The battery's life expectancy may be shortened if batteries are left fully discharged for more than a day.

To Charge the Battery:

1. Locate and identify the separate Battery Charger and AC line cord that accompanies the vehicle.
2. The Battery can be charged either on or off the vehicle. If more convenient, detach Battery Case from vehicle and set on dry, flat surface as shown in Figure 3.



Figure 3 - Battery Charging, Off Vehicle

3. Locate Charger connection on top side of Battery Case housing. It is covered by a square, hinged door labeled "Charger." Battery Case charging connection is shown in Figure 4.
4. Attach the separate AC line cord into the Charger. Connect other end to a 3 prong electrical outlet. There is an LED located on the Charger housing labeled High Power Tech. The LED will turn red to indicate charger is ready.
5. Plug the round, 3-prong plug attached to the Charger into charger connection on Battery Case housing.
6. The Charger LED Indicator on the charger housing should appear orange while charging. When LED appears green, Battery is fully charged.
7. If Battery Case was removed from vehicle, replace it and make sure it is secured in place.



Figure 4 - Battery Case Charger Connection

Controls and Adjustments

Before driving, it is suggested that you learn about the controls of the scooter and how to perform some initial adjustments to increase safety and improve rider comfort.

Operating Controls

The vehicle includes the following controls used for operation.

Dash Controls

All major controls used while driving are located on the dash mounted on the handlebar assembly. The dash of Model I40T/I40F is shown in Figure 5. Each control is described in the following.

Speed Dial — The Speed Dial regulates the maximum speed. Start at the slowest speed until you feel confident with controlling your vehicle safely. Turning the speed dial to the left (towards the turtle symbol) decreases maximum speed. Turning it to the right (towards the rabbit symbol) increases maximum speed.

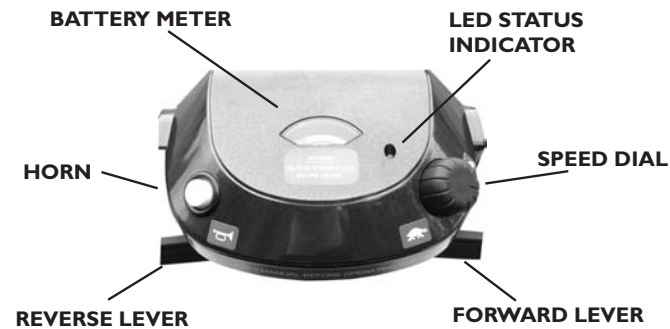


Figure 5 - Dash Controls

LED Status Indicator - When the scooter is on, and all conditions are normal, the LED will be on. When there is a fault detected that needs attention, the LED will flash. Codes and faults are listed on page 37.

Battery Meter — This instrument shows the level of charge in the batteries. When in the green area the batteries are fully charged. When in the yellow area the batteries need recharging and when in the red area the batteries require immediate recharging. NOTE: When the vehicle is climbing an incline the level may drop momentarily, this is normal.

Battery Power Save Feature - The 140T/140F is equipped with a power save feature and will shut down automatically in order to conserve battery power when not operated for 10 minutes or more. The vehicle can be turned on again by cycling the On/Off keyswitch from “On” to “Off” and then “On” again.

Horn - Pressing the horn button on the dash sounds the horn. Releasing the horn button deactivates the horn. The horn is useful to warn people or animals that you are coming towards them. You may also find it helpful to use it when rounding blind corners or going in reverse.

On/Off Key - Controls power. Turning the key clockwise turns power “On.” When “On” the Battery Gauge will indicate battery level. Turning the key counterclockwise turns the vehicle “Off.” Key location shown in Figure 6, with key in the “On” position.



Figure 6 — Key Location

Forward/Reverse Engager Levers — Selects movement direction and speed of the vehicle. To move forward, push the right lever towards the handle grip. To move in reverse, push the left lever towards the handle grip. Operating speed is proportional to the amount you push each lever. Smoother starts and stops can be accomplished by gradually moving each lever.

Adjusting Armrests

Your vehicle includes armrests. You can adjust the width between armrest so that you are seated in the most comfortable position possible. Armrest adjustments are shown in Figure 7.

To Adjust Armrest Width:

1. Loosen Adjustment Knobs on armrest bracket
2. Slide armrest support to desired position
3. Tighten Adjustment Knob to secure armrest bracket
4. Repeat with other side armrest



Figure 7 - Armrest Adjustment

WARNING!

DO NOT use armrest as support when transferring on or off the vehicle. Armrests are not designed to support weight of rider when getting on or off the seat.

Adjusting Seat**Seat Post Height Adjustments:**

The seat height can be adjusted manually. The seat post tube has two holes, so you can adjust the seat height that is most comfortable. The seat post tube and seat height locking pin is shown in Figure 8.

To Adjust Seat Post Height:

1. Remove the seat by holding the locking lever backward and lift the seat straight up and off the Seat Post Tube.
2. Hold the Seat Post Tube with one hand and pull out the Seat Height Locking Pin with the other.

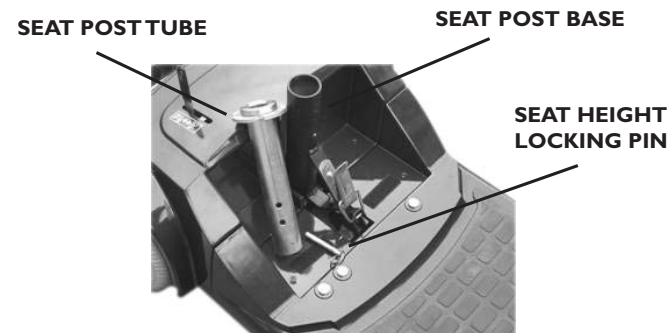


Figure 8 - Seatpost Height Adjustment

3. Position the Adjustable Seat Post Tube to your desired height and align the holes in the Seat Post Base and Seat Post Tube. Insert the Seat Height Locking Pin, making sure the pin is secure.
4. Replace the seat by holding the locking lever backwards, insert the seat onto the Seat Post Tube, and release the locking lever to lock the seat in place. Turn seat back and forth slightly allowing the lever to lock into position.

Seat Swivel Positions:

The seat swivel lever (located underneath seat base on right) allows the seat rotation in 45 degree increments.

You may use this feature to make it easier to transfer in and out of the seat.

1. Pull the locking lever backwards to unlock and rotate the seat.
2. Pivot the seat to the position you desire.
3. Release the lever and try to turn the seat back and forth slightly allowing the lever to lock into position.

Adjusting Handlebar Assembly

The angle of the handlebar assembly and dash may be adjusted to the individual rider's preference. Multiple angles are available to reposition the handlebar assembly. The handlebar assembly angle adjustment knob allows you to position the handlebar assembly closer or further away for better access to the controls.

To Adjust Handlebar Assembly Position:

1. Locate the black angle adjusting knob located on the right side of the handlebar assembly.
2. Hold the handlebar with one hand and loosen the hand knob.
3. Adjust the angle of the handlebar assembly to a comfortable position.
4. Turn the knob clockwise to tighten. As you tighten the knob gently rock the handlebar assembly back and forth to allow the teeth on the clamp to engage tightly.
5. Check the knob daily to ensure it's tight.

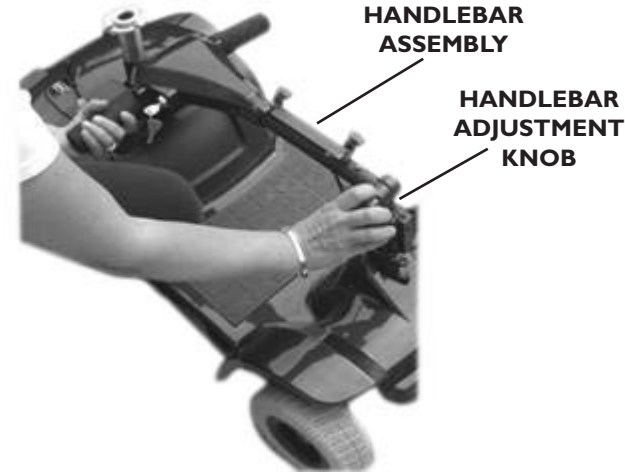


Figure 9 -Handlebar Assembly Adjustment

Handlebar Assembly Adjustment is shown in Figure 9.

Handlebar Assembly Lock

If your 140T/140F is equipped with a handlebar assembly lock make sure to release the lock by pushing the lock release button. To engage lock push the locking pin down until you hear the pin click into place. Handlebar Assembly Lock is shown in Figure 10.



Figure 10 - Handlebar Assembly Lock

Accessories

Your 140T/140F can include several useful accessories to make your riding experience more enjoyable, convenient, and easier. These accessories can include:

- Lifting Harness
- Storage Bags
- Beverage Holder
- Extra Battery Pack
- SaddleBag
- Weather Cover
- Rear View Mirror

These accessories are available separately and come with complete instructions for installation and use with your Model 140T/140F vehicle. Contact your Customer Service representative for further information.

Using the I40T/I40F

Once you've gotten familiar with the I40T/I40F components, controls, and have charged the Battery, you can use the following section to use it. This section presents instructions for:

- Day-to-Day Use
- Shipping and Transport

If you are unsure of how to operate your vehicle, go back to the previous section before attempting any use.



Day-to-Day Use



The following describes using your I40T/I40F during general, daily operation, including:

- Transferring On & Off
- Driving
- Freewheel Operation

Transferring On or Off the Vehicle

Your I40T/I40F has been designed to make transferring on and off the vehicle as easy as possible.

WARNING!

Make sure key is either in the OFF position or removed before transferring ON or OFF the vehicle.

Use the following recommendations to assist you in making a more comfortable transfer.

- Use the handlebar assembly angle adjustment knob to move the handlebar assembly away from seat for ease of transfer.
- Lift the folding armrests of the seat up and out of your way. Be sure to move them down into the riding position before operating.
- Use the footrest area of the frame for assistance when transferring on and off.

Driving

Once seated on your vehicle, driving is as simple as using the Engager Levers to move forward (right lever) or reverse (left lever) and steering in the desired direction. Before driving, however, you should keep in mind the following recommendations.

- Handlebar assembly is adjusted to comfortable riding position.
- Motor is engaged. Check Brake Lever. Should be in “DRIVE” position. See Figure 11, page 22.
- Armrests are locked into driving position.
- Handlebar Assembly Lock is in the unlocked position.

WARNING!

If any of these items are questionable, DO NOT OPERATE! Check before driving. Failure to disregard these conditions may cause accidents or injuries.

Speed Settings

The overall forward/reverse speed range of the vehicle is selected from the Speed dial on the dash. Lower settings (indicated by the turtle symbol) result in slower speeds. Higher settings (indicated by the rabbit symbol) provide faster speeds. When first operating your vehicle, select slower settings until you feel comfortable.

Inclines

It is recommended that speed be reduced when traveling on (up or down) inclines. Select the slowest speed setting that will still allow the vehicle to climb the incline.

NEVER try to turn around on an incline!

If vehicle stops on an incline, DO NOT attempt to continue.

When stopped on an incline, back down with the speed set at “slow” and back down in one continuous movement. DO NOT start and stop.

Always lean forward when traveling on inclines (up or down) for greater stability.

Cornering & Turning

ALWAYS reduce to a safe speed when making a turn or going around a corner.

Curbs and Small Obstacles

DO NOT attempt to ride over curbs or any other obstructions higher than 2 inches (5 cm).

Brake Release Lever

The I40T/I40F features a “push mode” to allow it to be pushed by hand . To activate manually, turn the key switch OFF and locate the brake release lever on the right side of the rear cover. The Brake Release Lever is shown in Figure 11.

Push lever towards front of vehicle, “PUSH MODE” position, to disengage the brake. Move lever back towards rear of vehicle, “DRIVE” position, to reengage the brake. When your vehicle is in “push mode”, brakes will not operate.

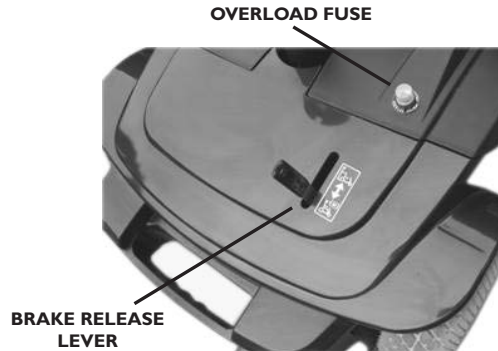


Figure 11 - Brake Release Lever and Overload Fuse

WARNING!

Never sit in vehicle if it is in “PUSH MODE” on an incline.

Overload Fuse

If the vehicle is overloaded or is used outside its design parameters it may cause the overload fuse to engage. If this happens the vehicle will stop and beep to alert you. The Overload Fuse is shown in Figure 11.

To Reset the Overload Fuse:

1. Turn key switch to “Off” position.
2. Wait 1-2 minutes.
3. Push overload fuse in.
4. Turn key switch to “On” position.

Disassembly & Re-assembly

The I40T/I40F can be quickly and easily disassembled into four components for storage or transport, then re-assembled when needed. Instructions to take your Model I40T/I40F apart and put it back together are presented in this section.

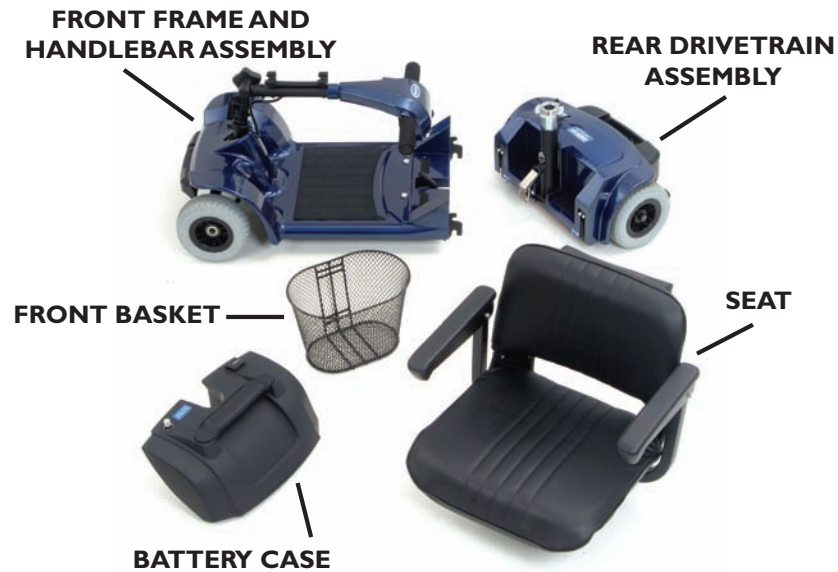


Figure 12 — Model I40F Disassembled

Disassembling Your Model I40T/I40F

Taking Model I40T/I40F apart involves removing the seat and Battery Case, lowering the handlebar assembly, and disconnection the front frame assembly from the rear drivetrain assembly.

To Disassemble Model I40T/I40F:

1. Turn power "OFF." Fold seat back down.
2. Remove the seat by holding locking lever backward and lift the seat up and off the seat post tube.
3. Lift Battery Case by handle and pull up to remove, as shown in Figure 13. The Battery Case is attached with Velcro and may need some effort to lift.
4. Pull release latch forward and unfasten the frame buckle, as shown in Figure 14.



Figure 13 - Battery Case Removal

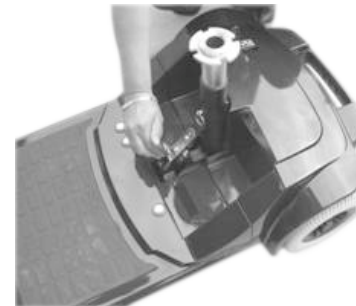


Figure 14 - Frame Buckle Unfastened

5. Lower handlebar assembly onto the frame using the handlebar assembly adjustment knob.
6. Grip seat post with one hand and angle the rear section upwards, as shown in Figure 15.
7. To detach the front frame from the rear, lift front frame off, as shown in Figure 16.



Figure 15 - Rear Drivetrain Assembly Disconnected

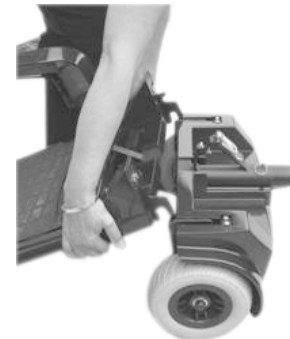


Figure 16 - Front Frame Assembly Detachment

Re-assembling the Model I40T/I40F

The Model I40T/I40F involves re-attaching the front frame assembly to the rear drivetrain assembly, locking the frame buckle, re-positioning the handlebar assembly and dash for driving operation, and installing the battery case and seat.

To Reassemble the Model I40T/I40F:

1. Place rear drivetrain assembly on firm, level surface with drivetrain resting on rear small wheels.
2. Position front frame over top of the rear drivetrain assembly so that slots of the rear drivetrain assembly align with the brackets in the rear of the front frame, as shown in Figure 17. Install front frame onto rear drivetrain assembly.

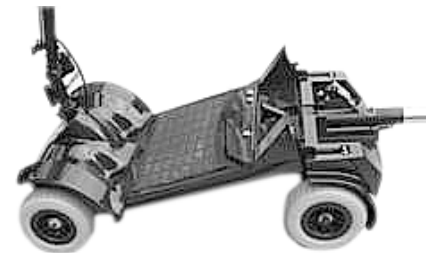




Figure 17 - Aligning Front Frame Assembly to Rear Drivetrain Assembly

Model I40F shown in Figure 17. Model I40T reassembles in a similar manner.

WARNING!!

Reassembling the vehicle presents a pinch hazard! Be sure to keep hands, body, clothing, jewelry, etc., free from labeled pinch points to avoid accidents or injuries.

3. Grip seat post and lower rear assembly so that front frame and rear drivetrain assembly are reconnected and contacts touch.
 4. Fasten the frame buckle and secure the release latch.
 5. Position handlebar assembly into preferred driving position.
 6. Install Battery Case.
 7. Install seat (see “Installing Seat” on page 8).
 8. Turn key to “ON” position. If no power check the contacts between front frame assembly and rear drivetrain assembly or confirm that brake release lever is in drive mode.
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Transporting the I40T/I40F

By Car — To transport your I40T/I40F by car, place each of the components into the trunk, being careful not to scratch or mark any of the finished surfaces. If you need assistance lifting weights, consider asking Customer Service Department or your authorized service center about the Power Trunk Lift. This device will assist you in transporting your I40T/I40F by transferring the scooter or its components in and out of your trunk with very little effort. (See “Specifications” for more information on weights).

By Airplane — To transport your I40T/I40F on an airplane, we recommend that you call your airline at least 24 hours in advance to ensure that they are able to handle your vehicle properly. Ask your airline whether they will need to disassemble the I40T/I40F or whether they plan to load and store it on the plane without disassembly. Ask specifically where and with whom you should drop the unit off and where and with whom you should retrieve it at your destination.

Note: Only sealed lead-acid or sealed gel batteries are Federal Aviation Authority (FAA) approved for air travel. Your scooter, Model I40T/I40F, is equipped with Airline Approved sealed lead acid batteries.

Remember to bring this manual with you as a reference on your trip. Your manual will assist you in disassembling and reassembling your I40T/I40F if required.

Prior to leaving the airport, remember to test the I40T/I40F when first getting on it. Direct any questions to the airline personnel if the unit does not work as it did prior to transportation.



If traveling outside of the United States, you may require a different charger or an adapter for your present charger. Customer Service or your authorized service center can help you answer these questions and supply you with the charger or adapter you require.

WARNING!

This vehicle does not meet Federal Safety Standards for motor vehicle seating. Do not sit, nor permit anyone else to sit, in the seat of the scooter during transportation in a motor vehicle as this poses a significant risk of bodily injury or even death.



Maintenance and Servicing

This section presents information to keep your I40T/I40F in peak operating condition, including:

- Preventative Maintenance
- Troubleshooting
- Factory Return Procedures

Your I40T/I40F requires only minimal maintenance and by setting time aside each month for careful inspection and checking items included in this section, you can be assured of a long, useful life of your I40T/I40F vehicle.

Preventative Maintenance

Performing periodic preventative maintenance on your I40T/I40F will ensure long, useful operational life as well as identifying any potential problems that may occur that might effect safe use and operation of the vehicle. Maintenance topics are presented in the following. For convenience, a Preventative Maintenance Checklist is also included as an aid in performing and recording maintenance of your I40T/I40F.

Seat Upholstery

A damp cloth and a mild soap will keep your seat and backrest looking good. Do not use abrasive cleaners as this will damage the coating. Upholstery can also be damaged by chemical cleaners

Ultra-violet light can also reduce the life of the upholstery coating material. This is a normal aging process and cannot be guaranteed.

Bodywork

The bodywork on your Model I40T/I40F Vehicle can be lightly washed with a damp cloth and mild soap and water. Do not use abrasive cleaners or strong detergents, because this will fade the color.

CAUTION!

Do not hose down your I40T/I40F Vehicle. Water could penetrate the electronics and cause permanent damage.

Storage

DO NOT store your I40T/I40F Vehicle in damp conditions. This may affect the electronics if left for very long periods of time.

Electronics

Servicing of the drive electronics and charger should only be carried out by your local service center. These units are sealed and should not be opened. **BROKEN SEALS WILL VOID YOUR WARRANTY. DO NOT** operate your Model I40T/I40F Vehicle in extreme weather conditions, i.e. very heavy rain or snow. **DO NOT** drive through water. This may damage the main electronic controller of your I40T/I40F Vehicle.

Motor Brakes

If the motor brakes are functioning correctly, you will not be able to push your machine when the key is switched off or switched on with the brake lever in the "DRIVE" position.

Safety Note: For your own safety, we recommend that you check the function of your I40T/I40F Vehicle brakes prior to use.

Driving Brake

When you drive your Model I40T/I40F and let go of the control lever, your vehicle should reduce speed very quickly and come to a gentle stop. If you notice a change in the normal driving/slowing condition and your Model I40T/I40F does not slow down quickly, please do not use your vehicle and contact your local service center or call 1-800-257-7955.

Tires

Front and rear tires of your Model I40T/I40F are foam-filled and do not require air pressure. Tires should, however be checked periodically for damage, cuts, flat spots, or excessive tread wear. Damaged tires should be replaced.



Battery

Keep your battery well charged (see Battery Charging section). Keep battery clean and in a dry frost-proof place. Keep battery contacts clean. To clean brush lightly with fine sand paper.

IMPORTANT!

It is not possible to predict the life expectancy of your battery. Different workloads will affect battery accordingly.

Some I40T/I40F Vehicle users will use their vehicle every day and for long periods of time. Their battery will receive a near total discharge, and the life of their battery will be short (12 months or less in some cases). Other I40T/I40F Vehicle users will use their vehicles less frequently, putting their battery through a less demanding discharge life-style. These batteries will probably have a longer life (12 to 24 months or longer).

Troubleshooting Guide

This table is only a guide to aid you in getting your vehicle operating, should you have any problems. If you are unable to get your vehicle operating, call either Electric Mobility Customer Service toll free number located at the front of this manual or your local Authorized Service Center.

Symptom	Possible Cause	Solution
Unit does not move	<ol style="list-style-type: none"> 1. Keyswitch not "ON" 2. Manual release in 'Push Mode' 3. Battery power low 4. Vehicle shuts down to protect battery 	<ol style="list-style-type: none"> 1. Turn keyswitch to "ON" 2. Pull brake lever down to 'Drive Mode' 3. Recharge batteries 4. Cycle keyswitch
Vehicle feels wobbly when driven	<ol style="list-style-type: none"> 1. Tire damaged 2. Seat is loose 	<ol style="list-style-type: none"> 1. Replace tire 2. Check seat for loose hardware or damage
Range less than expected	<ol style="list-style-type: none"> 1. Charging too infrequently 2. Defective or worn out battery 	<ol style="list-style-type: none"> 1. Charge unit more often and for longer periods of time. 2. Load test batteries. If necessary replace



3. Cold weather reduces battery life

4. Defective charger

3. Allow batteries to reach room temperature and then fully recharge

4. Contact Electric Mobility or your Authorized Service Center

Erratic behavior when engager operated

1. Faulty engager lever

2. Defective wiring harness

1. Contact Electric Mobility or your Authorized Service Center

2. Replace harness

Charger LED not lit

1. Cord not properly plugged-in

2. Faulty charger

1. Verify cord correctly plugged-in at both Battery Pack and electrical outlet

2. Contact Electric Mobility or your Authorized Service Center

Brake squeals

1. Setscrew loose

2. Dirt in brake pad

1. Tighten setscrew - Brake nut should be set 1/6" from brake pad

2. Blow dirt out with air pressure hose

Brake release lever sticks

1. Rust and corrosion

1. Spray ball detent area with lubrication oil. Be careful not to get oil onto the brake pad





Stiffness in steering

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Possible grime build up 2. Bearings in head tube worn | <ol style="list-style-type: none"> 1. Lubricate bearings 2. Replace bearings |
|---|--|

Controller Fault Codes

The controller used in Model I40T/I40F includes internal diagnostics programming used to identify and troubleshoot faults. When this diagnostics programming detects a fault, the LED status indicator on the dash flashes consecutively to identify the fault. These consecutive flash codes correspond to a fault which are listed and described below.

LED Status Indicator

Meaning and What To Do

- | | |
|---|---|
| <ol style="list-style-type: none"> 1 2 3 4 5 6 7 8 9 | <p>(not used)</p> <p>Battery Voltage Low. Check connections, and recharge batteries.</p> <p>Battery Charge High. Unplug charger, turn scooter power on & off.</p> <p>(not used)</p> <p>Brake fault. Check Brake Release lever position and motor connections. Contact authorized service facility.</p> <p>Out of Neutral at Power-Up. Engager not in neutral (centered) when keyswitch turned on. Return lever to center and retry.</p> <p>Speed Pot Error. Engager or wiring faulty or setup incorrectly. Contact authorized service facility.</p> <p>Motor Voltage Error. Check all connections between controller and motor.</p> <p>Controller fault. Check all connections.</p> |
|---|---|



Parts Ordering Procedures

To help us serve you as quickly as possible have your phone number, vehicle serial number or your order number ready when you call.

When ordering parts, please have your method of payment ready (i.e., credit card number and expiration date, check, etc.). All parts are shipped UPS Ground. Alternate shipping arrangements may be made for an additional charge based on weight and destination (i.e. UPS Next Day, UPS 2nd Day, etc.).

Factory Return Procedures

If a part or the entire product is to be returned, call Electric Mobility Customer Service Center to obtain a Return Authorization Number that must be placed on the return package. This number is used to identify the customer, the part and the type of repair. Any part or product received without this number will be returned to the sender at the sender's expense. In the event that you must return the product, a Customer Service Representative can help you make the necessary arrangements.

Specifications

Model Designation Model 140T/140F

Dimensions:

Length 39"
 Width 20"
 Height 33"
 Wheelbase 30"
 Ground Clearance 2"
 Footroom 3W - 12"
 4W - 11"

Weights:

Total Weight 3W - 100 lbs
 4W - 109 lbs
 Front frame 3W - 25 lbs
 4W - 35 lbs
 Rear frame 30 lbs
 Seat 22 lbs
 Battery Weight 21 lbs

Performance:

Speed² up to 3.8 mph
 Range² up to 8 miles
 Turning Radius 3W - 33.5"
 4W - 47"
 Hill Climbing 8 degrees
 Weight Capacity 225 lbs

Electrical:

Batteries 12V 12AH
 Battery Charger 2.0 A

Construction:

Drivetrain Rear-wheel Drive system
 24V Sealed transaxle
 Front/Rear Wheels 8" x 2.5"
 Seat Base Height¹ 1st Position 16"
 2nd Position 17"
 Seat Width 18"

¹ Seat height measured from floor to top of seat cushion


² Unit speed and travel range varies by terrain and weight of rider

Limited Warranty


Electric Mobility Vehicles warrants the vehicle other than its component battery or batteries, to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. If, within such warranty period, any such product shall be proven to Electric Mobility Vehicles satisfaction to be defective, such product shall, at option, be repaired or replaced. Sole obligation and your exclusive remedy under this warranty shall be limited to such repair and/or replacement.

For warranty service please contact at: **1-800-257-7955**.

Limitations and Exclusions



The foregoing warranty shall not apply to products subjected to negligence, accidents, improper operation, maintenance or storage, commercial, institutional, or service use other than normal application, or to products damaged by reason of repairs or modifications made to any product without the specific written consent of Electric Mobility Vehicles, or products damaged by circumstances beyond Electric Mobility Vehicles control.



The foregoing warranty is exclusive and in lieu of all other express warranties, implied warranties, if any, including but not limited to the implied warranties of merchant ability and fitness for a particular purpose, and shall not extend beyond the duration of the express warranty provided herein. Electric Mobility Vehicles shall not be liable for any consequential or incidental damages whatsoever.



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