

EZ-SHOPPER™

SERVICE MANUAL

MODEL 8000

Electro Kinetic Technologies, LLC

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Germantown, WI 53022

HOW TO USE THIS MANUAL

This manual breaks the EZ Shopper down into 4 sections: Battery, Transaxle Assembly, Motor Controller, and Tiller Control Box. The Trouble Shooting Guide at the front of the manual explains the testing procedure to determine which section to go to for a problem. Continue through the component testing within a section until the problem is solved. At the end of the manual is a section on scooter maintenance.

PAY ATTENTION TO CAUTION AND WARNING STATEMENTS

CAUTIONS: Cautions point out common mistakes that can damage components on the cart.

WARNINGS: Warnings make technicians aware of a situation that could cause physical harm.

Always charge and load test the batteries before testing or replacing other components. This manual uses 24 Volts to refer to the battery charge for ease of explanation. If the charged batteries measure higher than 24 Volts, replace the '24 Volts' reference in the manual with the actual battery charge.

Electrical components in this cart depend on each other to function properly. Therefore, testing a part may also require testing of components in other sections.

NOTICE

This manual is intended for service technicians capable of trouble shooting and replacing electrical components and electric drive systems.

Unauthorized modification of this product and/or use of unauthorized parts will void the warranty.

If you are unsure of any procedure used or described in this manual **DO NOT ATTEMPT TO SERVICE THE UNIT**. Call our technical service department from 8:00 AM to 4:30 PM Monday through Friday, Central Time at: **1-800-824-1068**

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NOTE: ALWAYS CHARGE AND LOAD TEST THE BATTERIES BEFORE TESTING OR REPLACING OTHER COMPONENTS.

IF THE CHARGED BATTERIES MEASURE HIGHER THAN 24 VOLTS, REPLACE THE '24 VOLTS' REFERENCE IN THE MANUAL WITH THE ACTUAL BATTERY CHARGE.

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PICTURES AND PART NUMBERS

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TROUBLE SHOOTING GUIDE – EZ-SHOPPER MODEL 8000

Follow the test below to determine the problem. Continue through each step until a conclusion is reached. When a conclusion indicates a section (name in bold or italics), follow the tests within the section in order until the problem is solved.

Before testing:

- Unplug charger.
1. Sit on seat and turn scooter 'on.'
 - LED light turns 'on.'
 - LED light turns 'on' and flashes. Go to **FLASH CODES** for diagnosis.
 - LED light does not come 'on'. Reset circuit breaker then go to **BATTERY** testing then *On/Off Switch Testing*.
 2. Set rocker switch to forward.
 - Scooter does not move or beep.
 - Scooter moves. Go to *Throttle Testing*.
 - Scooter beeps. Go to *Reverse Switch Testing*.
 3. Sit on seat and press thumb lever.
 - Scooter moves forward.
 - Scooter does not move. Go to *Brake Release Testing* then *Seat Switch Testing* then **MOTOR CONTROLLER** testing.
 4. Set rocker switch to reverse.
 - Scooter does not move.
 - Scooter moves. Go to *Throttle Testing*.
 5. Sit on seat, set rocker switch to reverse, and press thumb lever.
 - Scooter beeps and moves backward.
 - Scooter beeps but does not move. Go to **MOTOR CONTROLLER** testing.
 6. Push horn button.
 - Horn sounds.
 - Horn does not sound. Go to *Horn Switch Testing*.

7. Plug in scooter.
8. Sit on seat and press thumb lever.
 - Scooter does not move.
 - Scooter moves. Replace battery charger.
9. Scooter run time is less than 3 hours.
 - Too much weight on scooter. Check weight capacity.
 - Low battery charge. Recharge batteries.
 - Recharged batteries do not operate for more than 2 hours. Replace batteries or go to *Battery Load Testing*.

TOOL REQUIREMENTS

Following is a list of tools required to repair the EZ Shopper:

- Multimeter capable of reading 120 Volts AC, 30 Volts DC, and 10,000 Ohms (a digital multimeter with auto-ranging recommended)
- 100 Amp Load Tester (for battery load testing)
- Seat Switch Jumper (P/N 4720-264, see manufacturer for jumper)
- 1/8" Allen Wrench
- 9/64" Allen Wrench
- 3/16" Allen Wrench
- 5/16" Wrench
- 3/8" Wrench
- 7/16" Wrench
- 1/2" Wrench
- 9/16" Wrench
- 3/4" Wrench
- Standard Screw Driver
- Phillips Head Screw Driver
- Needle Nose Pliers

TESTING AND REPLACING COMPONENTS

FLASH CODES

The EZ-Shopper Model 8000 provides diagnostic information through the Status LED located on the top of the tiller control box. The information can be used to monitor the operation of the Model 8000 and to assist in troubleshooting drive system issues.

DURING NORMAL OPERATION THE STATUS LED WILL BE STEADILY ON. IF THE STATUS LED FLASHES SLOWLY, THE BATTERIES NEED TO BE CHARGED.

If the Status LED flashes rapidly (even with throttle released), a fault has been detected. The fault type will be represented by a series of repeated flash sequences (e.g., when the LED flashes 7 times, pauses, then flashes 7 times again, a throttle fault is indicated.). Please follow this procedure:

- Switch off the scooter.
- Make sure that all connectors on the Shopper are mated securely. Check the condition of the battery.
- If you can't find the problem, try using the self-help guide below.
- Switch the Shopper on again and try to drive. If the safety circuits operate again, switch off and do not try to use the Shopper.
- Contact your service agent or call the Electro Kinetic Technologies Customer Service Hot Line: 1-800-824-1068.

Self-Help

Below is a list of self-help actions. Try to use this list before you contact your service agent. Go to the number in the list that matches the number of flashes and follow the instructions.

FLASHES	EXPLANATION	POSSIBLE SOLUTION
1	The battery needs charging or there is a bad connection to the battery.	Check the connections to the battery. If the connections are good, try charging the battery.
2	There is a bad connection to the motor.	Check all connections between the motor and the controller.
3	The motor has a short circuit to a battery connection.	Check wiring.
4, 5 & 6	Not used.	
7	A throttle fault is indicated.	Make sure that the throttle is in the rest position before switching on the scooter.
8	A controller fault is indicated.	Make sure that all connections are secure.
9	The parking brake has a bad connection.	Check the parking brake and motor connections. Make sure the controller connections are secure.
10	An excessive voltage has been applied to the motor controller.	This is usually caused by a poor battery connection. Check the battery connections.

BATTERY

Battery Load Testing

WARNING: Do not touch both the negative and positive terminals with a conductive material (i.e. metal, human body) or electrical shock, sparks or explosion may result.

Battery Load Testing:

1. Turn off scooter and unplug from wall.
2. Tilt back seat and rear deck.
3. Unplug battery jumper wire.
4. Connect 100 Amp load tester to each battery and apply load.
 - Tester reads above 10 Volts with load applied.
 - If tester reads below 10 Volts, replace battery.

Circuit Breaker Testing and Replacement

Circuit Breaker Testing:

1. Turn off scooter and unplug from wall.
2. Tilt back seat and rear deck.
3. Unplug battery jumper wire.
4. Press manual circuit breaker reset button.
5. Connect negative meter probe to negative battery terminal.
6. Connect positive meter probe to positive battery terminal.
7. Note Voltage
8. Move positive meter probe to red wire on circuit breaker
 - Voltage is the same as measured in Step 7.
 - If voltages are not the same, replace circuit breaker (see *Circuit Breaker Replacement*).

Circuit Breaker Replacement:

1. Turn off scooter and unplug from wall.
2. Tilt back seat and rear deck.
3. Remove circuit breaker by removing two 3/8" nuts.
4. Reassemble with new breaker in reverse order.

Battery Charger Testing

Depending on the model the battery charger may have 1 or 3 LED lights. Follow instructions according to number of lights on charger.

1 Light

Steady green light: Batteries are charged.

Switching between Yellow and Green: Batteries are approaching full charge.

Yellow: Batteries are charging.

Charger Testing:

1. Turn off scooter.
2. Tilt back seat and rear deck.
3. Set meter to read 30 Volts DC.
4. Connect negative meter probe to negative battery terminal where black wire to controller is connected.
5. Connect positive meter probe to positive battery terminal where circuit breaker is connected.
6. Note Voltage.
 - If voltage is lower than 16 Volts DC, batteries must be charged separately with a 12 Volt charger until their combined voltage is above 16 Volts DC.
 - Voltage must be less than 29.8 Volts DC to test charger.
7. Plug charger into 120 Volts AC (wall outlet).
 - If light is 'on', continue testing.
 - If light is not 'on', check connections.
Test wall outlet with a known working item (e.g. a lamp) to verify 120 VAC output.
If there is no power to outlet, check if light switches activate outlet or move to a good outlet.
8. Note voltage.
 - The voltage increased from first reading.
 - If voltage did not increase and is between 16 Volts DC and 28.8 Volts DC, replace charger.

3 Lights

Red Light: Charger is plugged into 120 Volts AC (wall outlet).

Yellow: Charger is detecting more than 16 Volts from batteries.

Green light: Batteries are more than 80% charged.

NOTE After batteries are more than 80% charged, the green and yellow lights flash alternately with an increasing majority of green as the batteries reach full charge.

Charger Testing:

1. Turn off scooter and unplug from wall.
2. Tilt back seat and rear deck.
3. Set meter to read 30 Volts DC.
4. Connect negative meter probe to negative battery terminal where black wire to controller is connected.
5. Connect positive meter probe to positive battery terminal where circuit breaker is connected.
6. Note Voltages.
 - If voltage is lower than 16 Volts DC, batteries must be charged separately with a 12 Volt charger until their combined voltage is above 16 Volts DC.
 - Voltage must be less than 29.8 Volts DC to test charger.
7. Plug charger into 120 Volts AC (wall outlet).
 - Red light should be on indicating charger is plugged into 120 Volts AC (wall outlet).
 - If light is not 'on', check connections.
Test wall outlet with a known working item (e.g. a lamp) to verify 120 VAC output.
If there is no power to outlet, check if light switches activate outlet or move to a good outlet
8. With charger red light 'on' and yellow or green light 'on', repeat steps 4 and 5.
9. Note voltage.
 - The voltage should be higher than voltage noted in Step 6.
 - If voltage did not increase and is between 16 Volts DC and 28.8 Volts DC, replace charger.

TRANSAXLE ASSEMBLY

Transaxle and Motor Testing

Transaxle Testing:

1. ALWAYS TEST BATTERIES BEFORE TESTING OR REPLACING OTHER COMPONENTS
2. Set rocker switch to forward.
3. Turn scooter 'on'.
 - Indicator light turns 'on'.
4. Sit on seat and press thumb lever.
 - Unit moves forward when throttle lever is depressed.
 - If unit does not move, go to *Motor Testing*.

Motor Testing:

NOTE: For scooters with a seat switch, install seat switch jumper (P/N 4720-264) on connector with 2 blue wires.

1. Raise and support rear of scooter.
2. Set rocker switch to forward.
3. Press thumb lever.
 - Motor shaft turns.
 - If motor turns and rear wheels do not:
 - If nylon shaft coupler and key on the end of motor are okay, replace transaxle (see *Transaxle Replacement*).
 - If nylon shaft coupler and key on the end of motor are not okay, replace them.
 - If motor shaft does not turn, continue testing.
4. Connect motor directly to 1 battery.
 - If motor shaft does not rotate, replace motor.

Transaxle and Motor Replacement

Transaxle Replacement:

1. Turn scooter 'off'.
2. Tilt back seat and rear deck.
3. Unplug seat switch cable at white connector.
4. Remove rear wheels by removing two $\frac{3}{4}$ " nuts, (1 per wheel).
5. Remove motor (see *Motor Replacement*).
6. Drop transaxle by removing 4 bolts from brackets holding transaxle to frame.
7. Reassemble with new transaxle in reverse order.

Motor Replacement:

1. Turn scooter 'off'.
2. Tilt back seat and rear deck.
3. Remove motor by removing two $\frac{3}{16}$ " Allen Cap Screws holding motor to transaxle.
4. Reassemble with new motor in reverse order.

Brake Release Testing:

1. Turn scooter off and unplug from wall.
2. Tilt back seat and rear deck.
3. Locate Brake Release Lever with red grip at rear of scooter.
4. Check to be sure Brake Lever is pulled out (toward rear of scooter).
5. Return rear deck and seat to upright position.
6. Sit on seat and turn scooter 'on.'
7. Set rocker switch to forward.
8. Press thumb lever – scooter should move forward.

MOTOR CONTROLLER

Seat Switch Testing and Replacement

NOTE: If scooter does not have a seat switch, skip this section.

Seat Switch Testing (Ohms method for uninstalled switch):

1. Turn scooter 'off'.
2. Tilt back seat and rear deck.
3. Unplug seat switch cable at white connector.
4. Set meter to read Ohms.
5. Connect positive meter probes across connector on seat switch.
 - Meter reads infinite Ohms.
 - If meter reads 0 Ohms, replace seat switch (see *Seat Switch Replacement*).
6. Press on seat to activate seat switch.
 - Meter reads 0 Ohms.
 - If meter reads infinite Ohms, replace seat switch (see *Seat Switch Replacement*).

Seat Switch Replacement:

1. Turn scooter 'off'.
2. Tilt back seat and rear deck.
3. Unplug seat switch cable at white connector.
4. Press down locking tabs, rotate seat switch counter clockwise, and remove from seat.
5. Reassemble with new seat switch in reverse order.

Motor Controller Replacement

Motor Controller Replacement:

1. Turn scooter 'off' and unplug from wall.
2. Tilt back seat and rear deck.
3. Unplug white plastic and red and black connections leaving controller wires on controller.
4. Remove two bolts and lock nuts securing controller to frame.
5. Reassemble with new motor controller in reverse order.
 - Be sure to reconnect battery jumper.

TILLER CONTROL BOX

On/ Off Switch Testing (Voltage method for installed switch):

NOTE: On/Off switch can be either a key switch or a rocker switch.

1. Turn scooter 'off' and unplug from wall.
2. Open tiller control box by removing 4 Phillips head screws.
3. Set meter to read 25 Volts DC.
4. Connect positive meter probe to red wire on switch.
5. Connect negative meter probe to 0 Volts on batteries (terminal with black wire to the controller).
 - Meter reads 24 Volts DC.
 - If meter reads 0 Volts, there is a bad connection to the red wire at switch.
6. If meter reads 24 Volts DC, move negative meter probe to the orange wire on switch.
 - Meter reads 0 Volts DC.
 - If meter reads 24 Volts, the switch is shorted, replace switch (see *Switch Replacement*).
7. Turn switch to 'on' position.
 - Meter reads 24 Volts DC.
 - If meter reads 0 Volts switch is not making contact internally, replace switch (see *On/Off Switch Replacement*).

On/ Off Switch Testing (Ohms method for uninstalled switch):

1. Set meter to read Ohms.
2. Connect positive meter probe to red wire on switch.
3. Connect negative meter probe to orange wire on switch.
4. Note resistance.
5. Set switch to opposite position.
 - Meter reads 0 Ohms in one position and infinite in the other.
 - If meter reads the same in both positions, replace switch (see *On/Off Switch Replacement*).

On/ Off Switch Replacement:

NOTE: On/Off switch can be either a key switch or a rocker switch.

1. Turn scooter 'off' and unplug from wall.
2. Open tiller control box by removing 4 Phillips head screws.
3. Unplug the switch from the 2-pin white plastic connector.
4. Remove the key switch by pulling the U-shaped retaining clip sideways and away from switch or remove the rocker switch by squeezing the tabs and remove from box.
5. Reassemble with new switch in reverse order.

Reverse Switch Testing and Replacement

Reverse Switch Testing (Ohms method for uninstalled Reverse Switch):

1. Turn scooter 'off' and unplug from wall.
2. Open tiller control box by removing 4 Phillips head screws.
3. Unplug the reverse switch from the 2-pin white plastic connector.
4. Set meter to read Ohms.
5. Note resistance.
6. Set switch to opposite position.
 - Meter reads 0 Ohms in one position and infinite in the other.
 - If meter reads the same in both positions, replace switch (see *Reverse Switch Replacement*).

Reverse Switch Replacement:

1. Turn scooter 'off' and unplug from wall.
2. Open tiller control box by removing 4 Phillips head screws.
3. Unplug the reverse switch from the 2-pin white plastic connector.
4. Squeeze tabs and remove switch from box.
5. Reassemble with new reverse switch in reverse order.

Throttle Testing and Replacement

Throttle Testing (Ohms method for uninstalled throttle):

1. Turn scooter 'off' and unplug from wall.
2. Open tiller control box by removing 4 Phillips head screws.
3. Unplug the throttle from the 3-pin white plastic connector.
4. Set meter to read 10,000 (10K) Ohms.
5. Connect meter probes to two outer (white and green) wires.
 - Meter reads approximately 5,000 (5K) Ohms (maximum resistance).
 - If maximum resistance is greater than 5,500 (5.5K) Ohms or less than 4,500 (4.5K) Ohms, replace throttle (see *Throttle Replacement*).
6. Move one meter probe to the center blue wire.
7. Allow lever to return to center.
 - If lever does not return to center, replace throttle (see *Throttle Replacement*).
 - Meter reads approximately half the maximum or 2,500 (2.5K) Ohms.
 - If meter is not within 250 Ohms of half of the maximum resistance, replace throttle (see *Throttle Replacement*).
8. Depress thumb lever left and right.
 - If resistance varies between approximately 0 Ohms and 5,000 (5K) Ohms, throttle is good.
 - If resistance is outside of the maximum to zero range, replace throttle (see *Throttle Replacement*).
9. Note whether the resistance increases or decreases as thumb lever is pressed from left to right.
10. Move meter probe from the outside wire to the other outside wire.
11. Depress thumb lever left and right.
 - If the range of resistance is more than 500 Ohms different from the range noted in Step 8, replace throttle (see *Throttle Replacement*).
 - If resistance varies between approximately 0 Ohms and 5,000 (5K) Ohms, throttle is good.
 - If resistance is outside of the maximum to zero range, replace throttle (see *Throttle Replacement*).
12. Note whether the resistance increases or decreases as thumb lever is pressed from left to right.
 - Resistance increases or decreases opposite to the order noted in Step 9.
 - If order is not opposite, replace throttle (see *Throttle Replacement*).
13. Replug throttle into 3-pin white plastic connector.
14. Replace tiller box and reinstall 4 Phillips screws.

Throttle Testing and Replacement

Throttle Replacement:

1. Turn scooter 'off' and unplug from wall.
2. Open tiller control box by removing 4 Phillips head screws.
3. Unplug the throttle from the 3-pin white plastic connector.
4. Loosen bolt in thumb lever and slide off of throttle.
5. Remove two Phillips screws from under plate and lift throttle up.
6. Reassemble with new throttle in reverse order.
 - Use a thread locking agent on thumb lever bolt.

Horn Switch Testing and Replacement

Horn Switch Testing (Ohms method for uninstalled switch):

1. Set meter to read Ohms.
2. Connect meter probes across two wires on switch.
3. Note resistance.
4. Set switch to opposite position.
 - Meter reads 0 Ohms in one position and infinite in the other.
 - If meter reads the same in both positions, replace switch (see *Horn Switch Replacement*).

Horn Switch Replacement:

1. Turn scooter 'off' and unplug from wall.
2. Open tiller control box by removing 4 Phillips head screws.
3. Unplug the horn switch from the 2-pin white plastic connector.
4. Remove the switch by pulling the black plastic horn switch housing from the box.
5. Reassemble with new thorn switch in reverse order.

RECOMMENDED MAINTENANCE

MAINTENANCE SCHEDULE

Every Day or As Needed

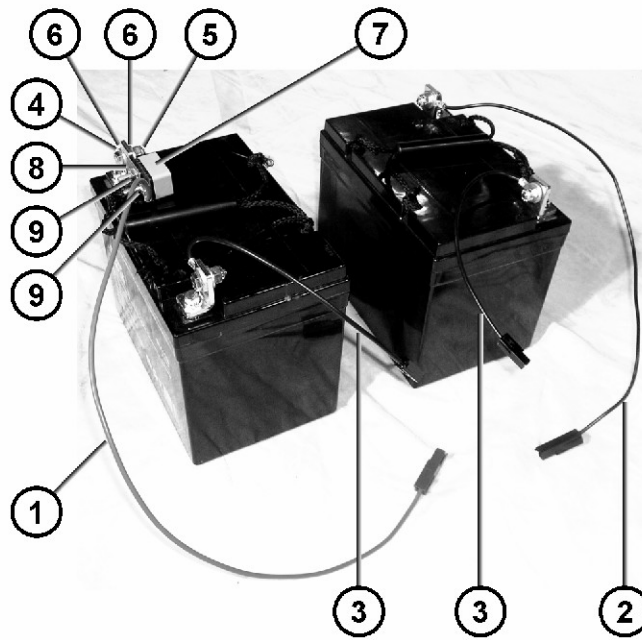
1. Maintain the battery charge.
2. Clean wheels and drive assembly.
3. Clean seat and basket.
4. Wipe down the deck.

Once Each Month

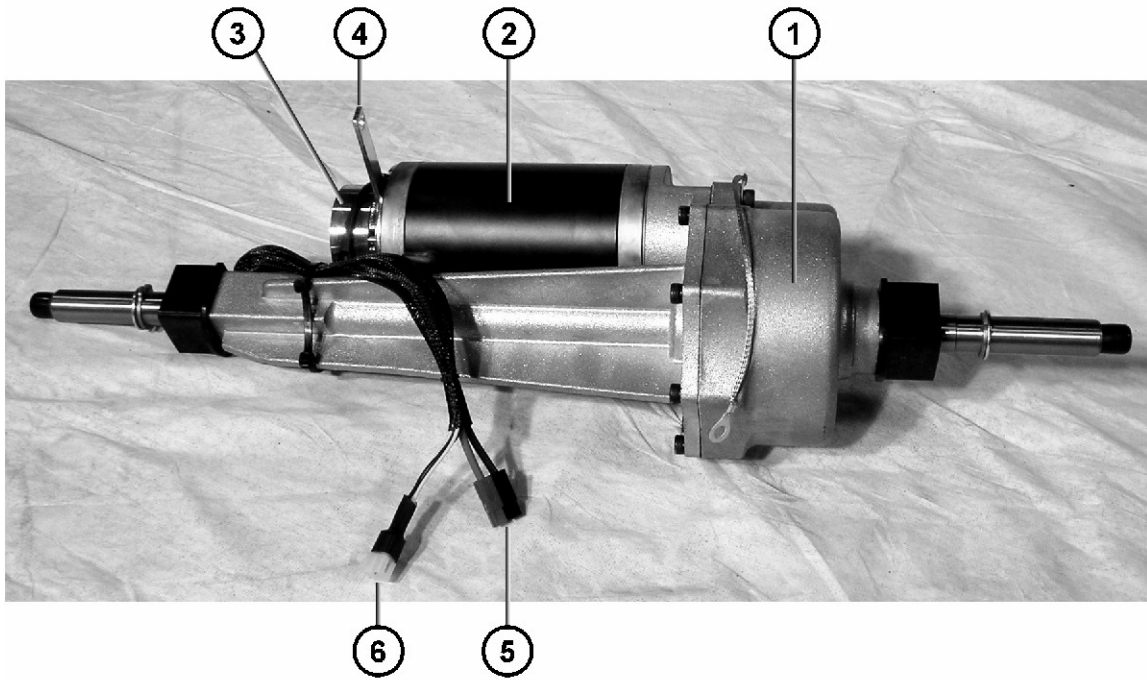
1. Check wires for wearing, fraying or cracking.
2. Check connectors for wearing or cracking.
3. Check tires for wearing, damage or debris.
4. Check that tiller does not turn 360°.

Once Each Year

1. Grease headset bearings.
2. Load test batteries.

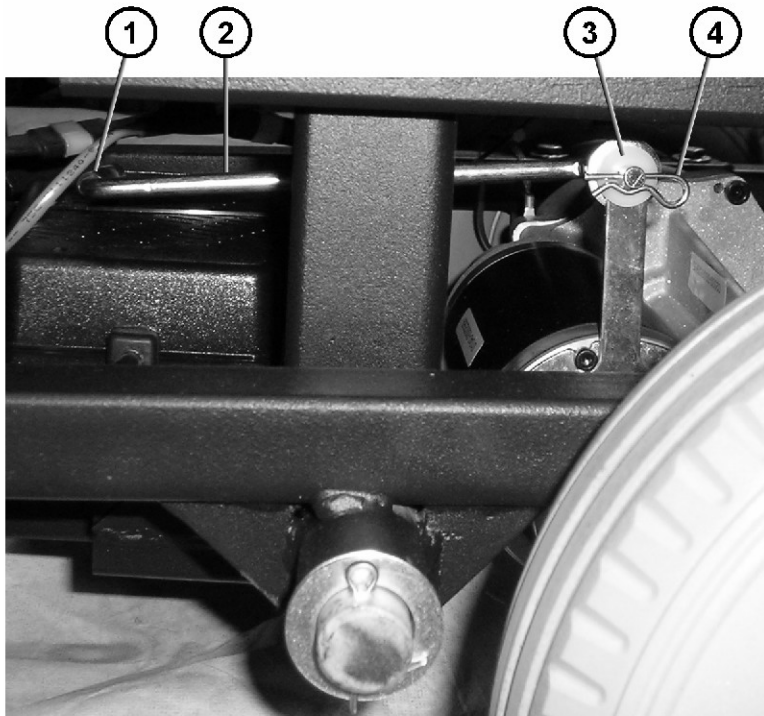


	Part No.	Description	Qty.
1	8000-201	Positive Battery Cable Ay	1
2	8000-202	Negative Battery Cable Ay	1
3	8000-203	8" Battery Jumper Cable Ay	2
4	0001-13	1/4-20 3/4 Hex Bolt g5 ZP	4
5	0100-26	1/4-20 Nut Lock Nylon Ins	4
6	0150-17	Washer 1/4 Flat SAE ZP	8
7	0709-10	Circuit Breaker 12V 30A	1
8	0716-24	Bus Link Copper Btty	1
9	0100-73	10-32 nut lockwasher	2

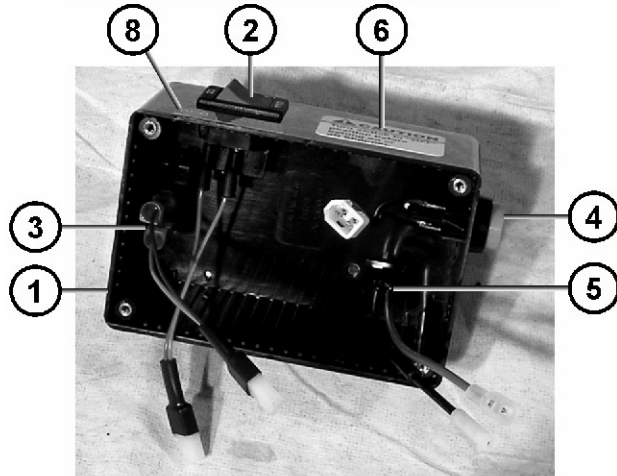
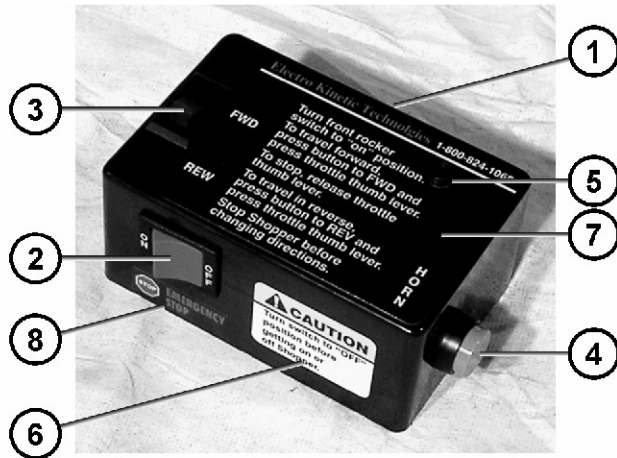


Transaxle, Motor, Brake Assembly.
Part Number: 0723-231C

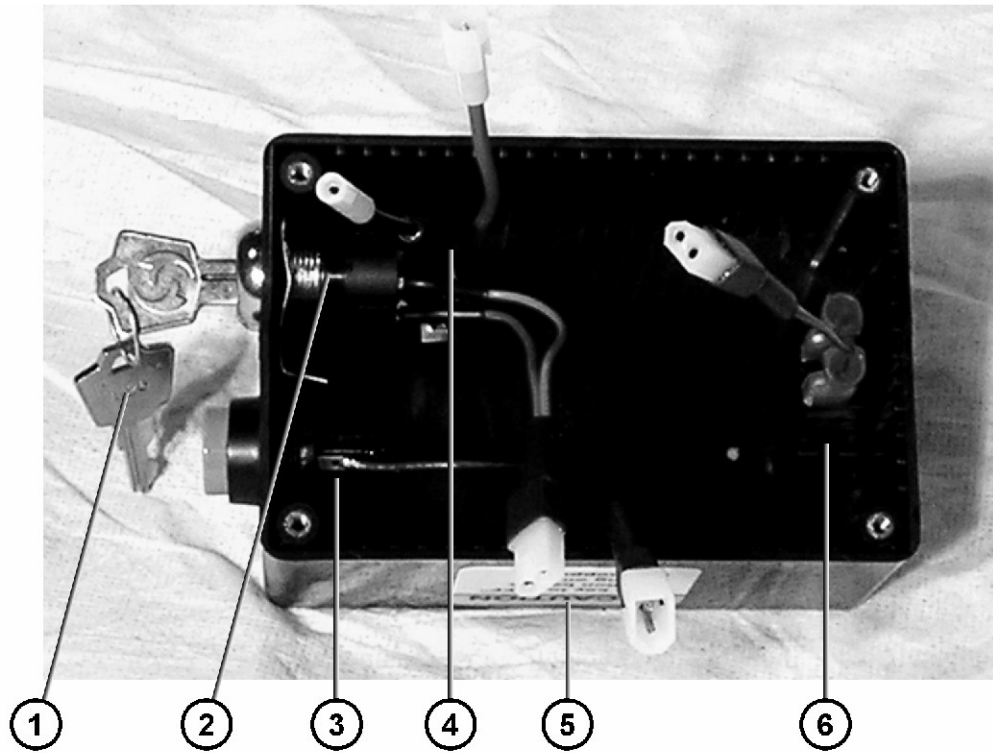
	Description
1	Transaxle
2	Motor
3	Brake
4	Brake Release Lever
5	Motor Connector
6	Brake Connector



	Part No.	Description	Qty.
1	HAR-02750A	Brake Handle Grip	1
2	139-1019-800	Brake Handle	1
3	0150-41	Washer Nylon .26id .687od	1
4	0006-30	Clip, Hairpin, HPCZ3321.1875	1



	Part No.	Description	Qty
1	4730-141	T/A Keyless Ctrl Box Top	1
2	8000-220	Switch Ay, On/Off	1
3	8000-221	Switch Ay, Fwd/Rev	1
4	8000-222	Switch Ay, Horn	1
5	8000-223	LED Ay	1
6	0834-45	Keyless Caution Label	1
7	0834-44	Keyless Instruction Label	1
8	FG45617	Emergency Stop Label	1
9	0833-84	Label EZ Shopper Tiller	1

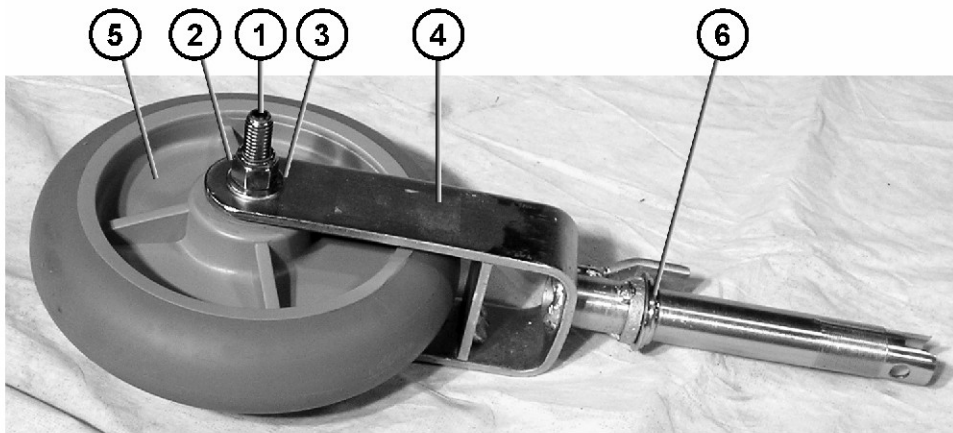


	Part No.	Description	Qty
1	0612-24	Key	1
	4721-141	Tiller Ctrl Box EZ3	1
2	8000-224	Keyswitch Ay	1
6	8000-221	Switch Ay, Fwd/Rev	1
3	8000-222	Switch Ay, Horn	1
4	8000-223	LED Ay	1
	0833-84	Label EZ Shopper Tiller	1
	0833-86	Label Instruct EZ Shopper	1
5	0833-65	Label Caution Key Off EZ3	1

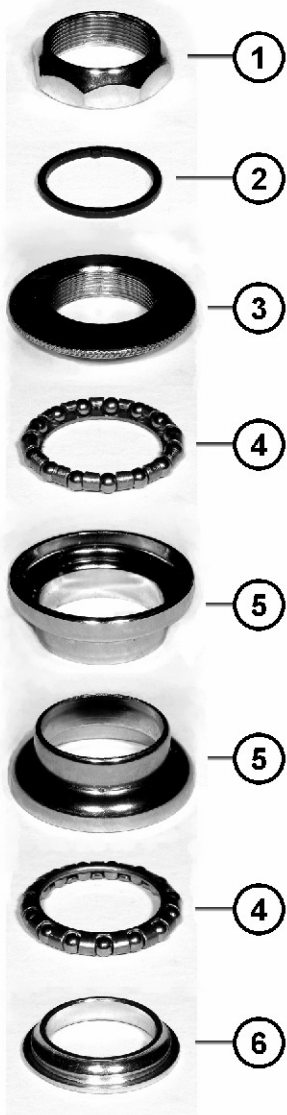


20" Large Basket Mounting

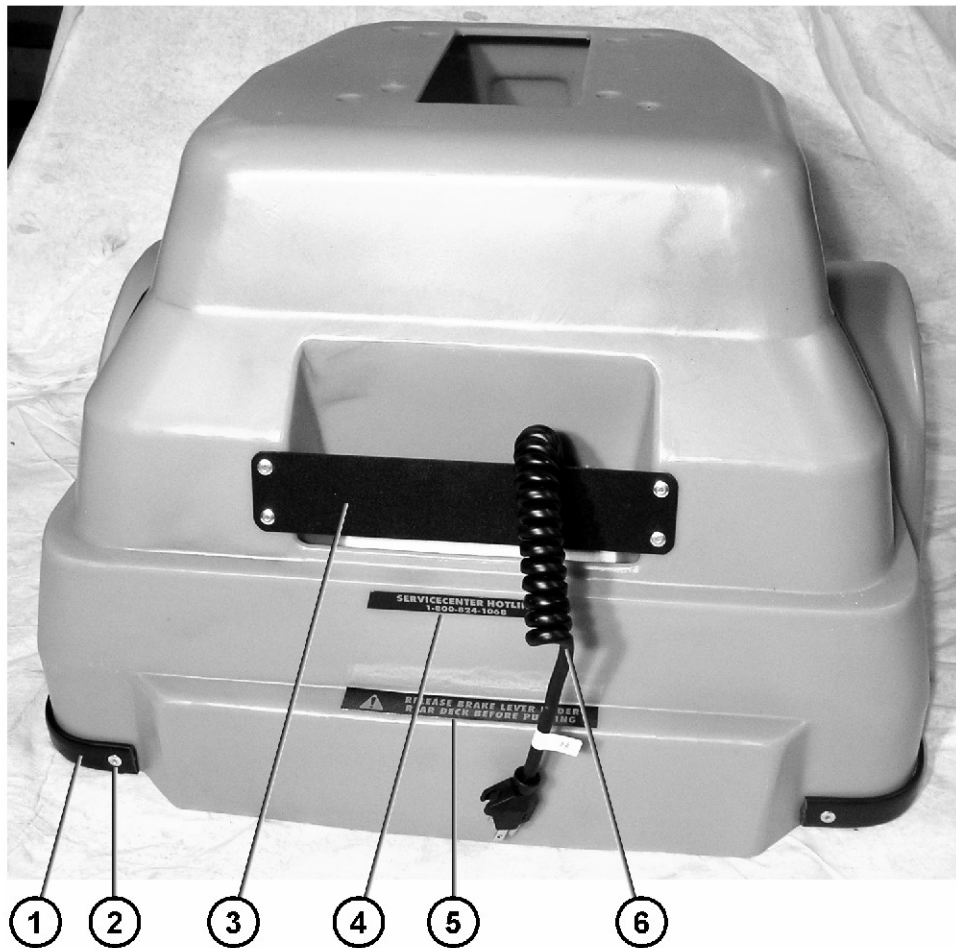
	Part No.	Description	Qty.
1	0483-195	Front Basket Brkt 4Whlr	6
2	0002-53	1/4-20 3/4 Tr Ph Mscr ZP	4
3	0001-20	1/4-20 1-1/4 Hex Bolt g5	2
4	0460-110	Spacer, Black Nylon	2
5	0100-26	1/4-20 Nut Lock Nylon Ins	2



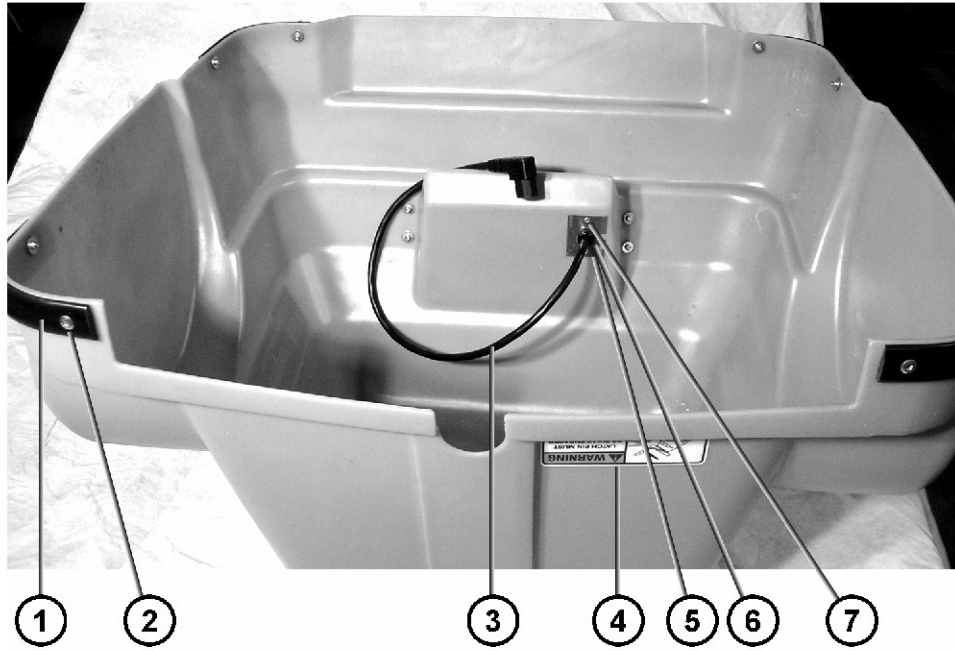
	Part No.	Description	Qty.
1	0006-13	10-24 1 AH s-scr	1
2	0006-14	Lock Nut, 1/2 - 13	1
3	0150-34	Washer SAE 1/2id ZP	2
4	139-1021	Fork Wldmt	1
5	4730-218	Front Wheel Ay 6X2	1
6	0351-93	Lower race headset (1 per)	1



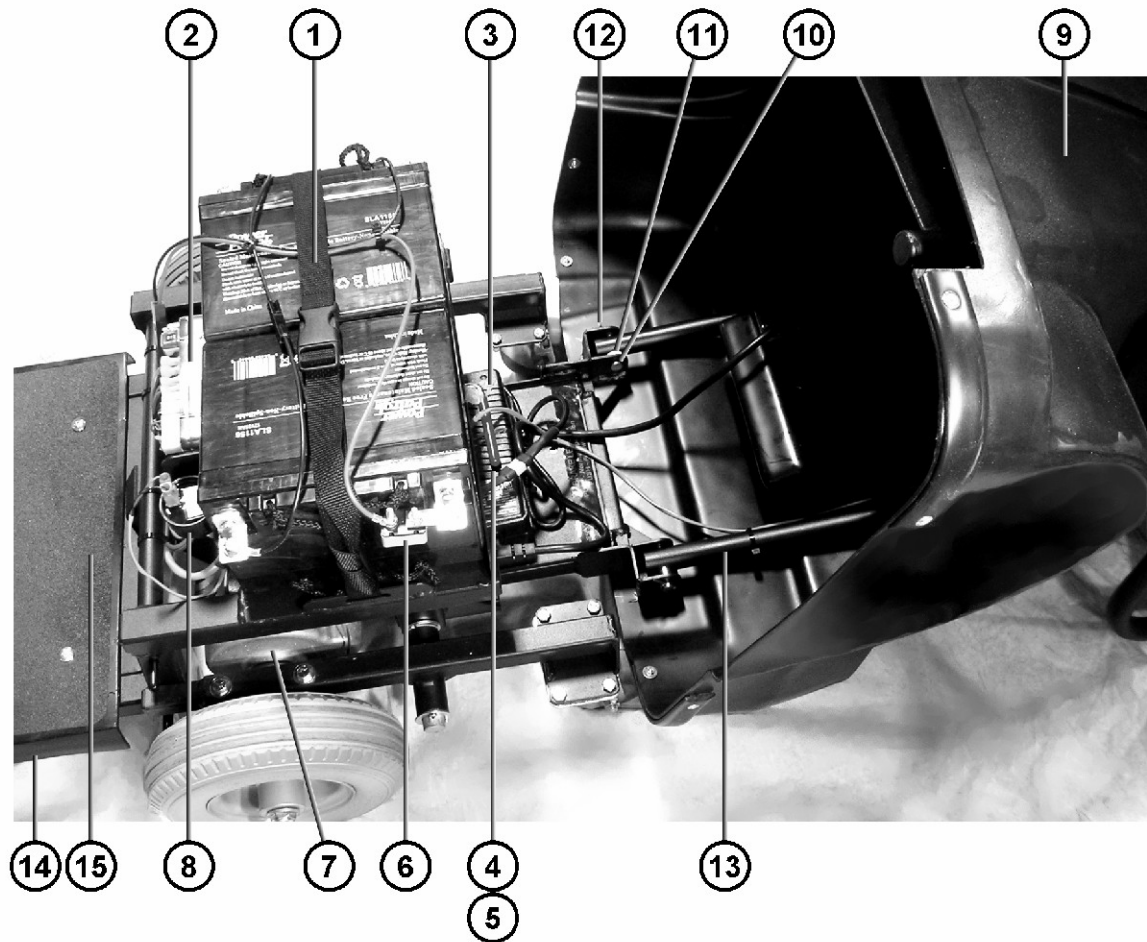
	Part No.	Description	Qty.
1	0100-72	1-24 locknut, headset	1
2	0351-95	Headset washer w/ tab	1
3	0351-94	Headset upper race	1
4	0351-92	Headset bearing	2
5	0351-91	Headset cone	2
6	0351-93	Lower race, headset	1



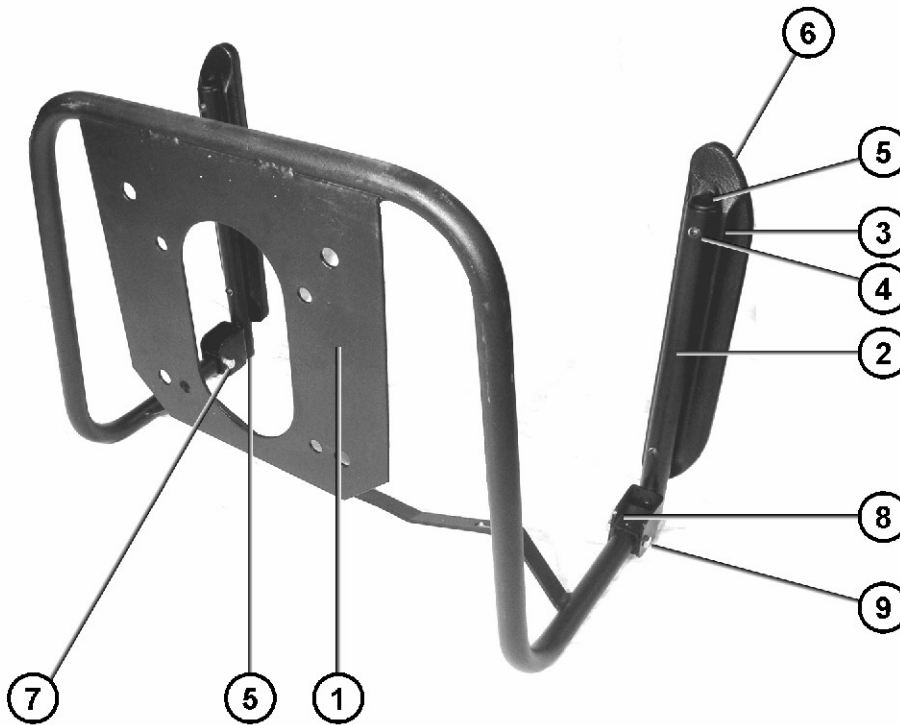
	Part No.	Description	Qty
1	0502-25	Side molding 1in black	4
2	0605-48	Rivet 3/16 3/8 to 1/2	12
3	0496-147	Cord Stop Bracket	1
4	0826-79	Label Hotline EZ Shopper	1
5	8000-248	Brake Release Label	1
6	0706-36	T/A Shopper Retract Cord	1



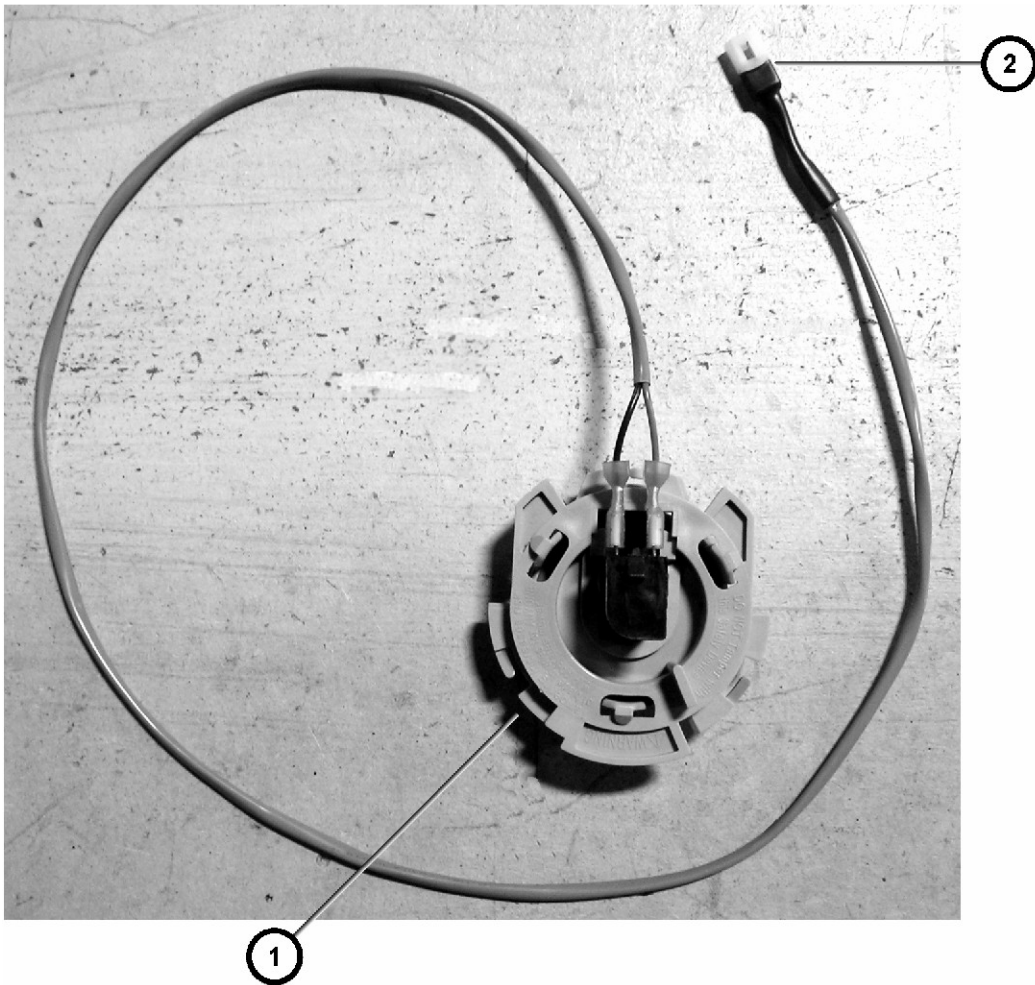
	Part No.	Description	Qty
1	0502-25	Side molding 1in black	4
2	0605-48	Rivet 3/16 3/8 to 1/2	12
3	0706-36	T/A Shopper Retract Cord	1
4	0833-19	Label Deck Latch Warning	1
5	0496-123	Cord Mounting Plate	1
6	0715-17	Strain relief black	1
7	0605-45	Pop Rivet 1/8 x 1/2 Blk	2



	Part No.	Description	Qty.
1	2007-284	Battery Strap, 48"	1
2	8000-300	Motor Controller Ay, S-Drive	1
3	2008-248	Charger Ay, 4 amp	2
4	139-1019-800	Brake Handle	1
5	HAR-02750A	Brake Handle Grip	1
6	0709-10	Circuit Breaker 12V 30A	1
7	0723-231C	Transaxle (CIM)	1
8	0718-05	Horn Sound Generator	1
9	8000-270	8000 Shopper Rear Deck Ay	1
10	0600-11	Clevis Pin 3/8 x 1-3/4	2
11	0150-32	Washer Flat Nylon .39id	2
12	0604-03	Cotter pin 1/8 x 1in zp	2
13	139-1048	Deck Support Wldmt	1
14	8000-04	Front Deck Plastic	1
15	8000-49	Deck Tread	1



	Part No.	Description	Qty.
1	2005-66	Arm Frame	1
2	2004-02	Arm Wldt	2
3	0009-20	Bolt	4
4	0150-12	Washer #10 Lock Int T ZP	4
5	0502-83	Plug Rnd 7/8od 14-20ga Bk	4
6	2004-35	Armrest, Plastic, w/o metal	2
7	0100-01	1/4-20 Hex Nut 2-Way ZP	2
8	0150-41	Washer Nylon .26id .687od	2
9	0001-33	1/4-20 1-1/2 Hex Bolt g5	2



Seat Switch Assembly

Item	Description	Part Number
1	Seat Switch	6500-03
2	Seat Switch Cable	8000-26C