**WARRANTY STATEMENT**

What is most important to Sports Attack is that your machine meets your expectations of quality and performance. We stand behind the material and workmanship of our machines for five (5) years from the date of original purchase for institutional and residential use and one (1) year for commercial environments, with the following exceptions:

- Throwing Wheels are warranted for two (2) years;
- Electronic Controller is warranted for two (2) years; and,
- Throwing Wheel Motors are warranted for two (2) years.

This warranty excludes any cosmetic issues or normal wear and tear of the unit, and is not in effect if the machine has been misused, misapplied, improperly assembled, or modified without the express written permission of Sports Attack. In addition, this warranty does not apply to damage in transit, in any accident unrelated to the direct operation of the equipment, or by fire, flood or act of God.

If you encounter any issues during the warranty period, Sports Attack will quickly get your machine back in working order. If the warranty repair involves a replacement part, we will make sure you get both the part and easy instructions for replacement at no cost to you. If a service person is needed, Sports Attack will pay the pre-approved labor charge to get your machine back in working order.

Please know that any problem can quickly be resolved with a phone call to our experienced, responsive customer service department at 800.717.4251. We are here to answer your questions and to make sure your machine provides you years of service.

**RETURNS**

Sports Attack manufactures the highest quality sports training equipment in the world. If for any reason you are not satisfied, a machine can be returned within 30 days of receipt for any reason for a full refund less a 10% restocking fee. Cost of shipping the unit back to Sports Attack will also be the responsibility of the purchaser. Please note that the refund amount may be reduced by any non-cosmetic damage to the machine.

*If you have any questions or concerns, please give our experienced, responsive customer service department a call at 800.717.4251.*

**SHIPPING DAMAGE CLAIMS PROCEDURE**

**NOTE:** For your protection, please note that the Strike Attack in this shipment was carefully inspected and packaged by skilled personnel before leaving the factory.

Upon acceptance of this shipment, the transportation company assumes full responsibility for its safe delivery.

**IF SHIPMENT ARRIVES DAMAGED:**

1. **VISIBLE LOSS OR DAMAGE:** Be certain that any visible loss or damage is noted on the freight bill or express receipt, and that the note of loss or damage is signed by the delivery person.

2. **FILE CLAIM FOR DAMAGE IMMEDIATELY:** Regardless of the extent of the damage.

3. **CONCEALED LOSS OR DAMAGE:** If damage is unnoticed until the merchandise is unpacked, notify the transportation company or carrier immediately, and file “CONCEALED DAMAGE” claim with them. This must be done within fifteen (15) days from the date the delivery was made to you. Be sure to retain the container for inspection.

Sports Attack LLC. cannot assume liability for damage or loss incurred in transit. We will, however, at your request, supply you with the necessary documents to support your claim.

To register the Warranty, please go to our website:
www.sportsattack.com/warranty

For repairs and service after the Warranty period, please call:
Sports Attack
Customer Service Dept.
Ph 800-717-4251
Fx 775-345-2883
INTRODUCTION

Thank you for purchasing this Sports Attack LLC. equipment.

Proper assembly, careful operation and consistent maintenance of your Strike Attack will ensure that it gives you the very best performance and a long, economical service life.

This manual contains the information needed to properly setup the Strike Attack, and to use, care for and maintain it in a manner which will ensure its optimum performance.
SAFETY INSTRUCTIONS

AC Model - ELECTRICAL SAFETY
Use a 115 volt single phase 3-wire grounded power source.
Up to 200 ft. from power source, use a minimum #14/3 grounded 3-wire extension cord.
Over 200 ft. from power source, consult a licensed electrician for required power cord size.

DC Model - BATTERY SAFETY
Keep away from open flame
Electrical Hazard
Unplug charger before removing cables

OPERATING SAFETY

CAUTION: Never reach down near moving throwing wheels for any reason! If it is necessary to reach into the throwing wheels, ALWAYS:
1. Turn speed dials to “0” and turn off the machine.
2. Unplug Strike Attack from power source.
3. Wait until the throwing wheels have come to a complete stop before reaching hands or fingers anywhere near the throwing wheels.

CAUTION: Carefully check Strike Attack for completeness and condition before connecting to electrical power:
Carefully check the throwing wheels frequently for cleanliness, chips and cracks. Do not use the machine if the throwing wheels are damaged, or if chips or cracks appear in the wheels. (For damage within Warranty period, see Warranty Statement, page xi.)
ALWAYS set the speed control to “0” before connecting the machine to power. Check that the speed control is at “0” before turning the throwing wheels “ON”.

Do not allow anyone to walk in front of the Strike Attack if it is connected to electrical power.

CAUTION: DO NOT plug in or energize this equipment until all assembly instructions and operation instructions are read and followed.

BALL SELECTION
Balls must be official size and consistent in type to produce repeatability. Smaller balls (usually used with youth players) can be used without adjustment. Air pressure is important! Under pressurized balls will not throw as far. Air pressure should be checked on a regular schedule for consistent performance.
Smaller youth balls will work well for younger players. However, distance and speed will be reduced.
Wet balls may not throw accurately.
See Wheel Cleaning Instructions on page 10.

WARNING
Carefully read all instructions in this manual, and all labels and warnings on Strike Attack Soccer Machine before using.
Use machine only under adult supervision. Failure to operate Strike Attack as described in this manual can result in severe personal injury or death.

Strike Attack AC Soccer Machine must be connected to a properly grounded electrical receptacle.

Do not operate on wet ground.

CAUTION
Keep hands away from throwing wheels anytime the machine is connected to a power source.

Carefully check Strike Attack for completeness and condition before connecting to electrical power.
If you have any questions regarding the safe operation of this equipment, please call:
Sports Attack Customer Service:
1-800-717-4251 or 775-345-2882
To reorder components, a parts list and part numbers can be found on page 14.
SET-UP & PREPARATION
SETTING UP THE STRIKE ATTACK (for both AC and battery models)

1. Tilt the machine forward until it is lying face down. Remove locking pin A.
2. Insert rear leg assembly into “slots.” See Figure 2 below.
3. Make sure pin hole is aligned and re-insert locking pin. See Figures 3, 4 and 5 on page 5.
4. Attach battery wires. See Figure 6 on page 6. (Battery model ONLY)
5. Stand machine upright (Figure 7 on page 6). Turn on both speed control knobs.

NOTE: The wheels will delay 10-15 seconds upon initial power-up.

SAFETY HINT
When lowering or lifting the Strike Attack, keep your back straight and lift using your legs.

WARNING
HAZARD FROM HIGH-SPEED PROJECTILES

Being struck by a thrown ball can cause serious injury or death. Make sure that no one steps in front of the Strike Attack while it is connected to electric power.

Clear everyone away from machine before connecting Strike Attack to electric power.

CAUTION
Keep hands away from throwing wheels anytime the machine is connected to a power source.
SET-UP & PREPARATION (CONT’D)

Figure 3 Make sure 3 tabs on battery frame are in line with the slots on the machine body (Two shown. Third is not visible but is located on the opposite side of the battery from circle 2).

Figure 4 Insert tabs into slots.

Figure 5 Insert locking pin A.

ADDITIONAL INFORMATION

If you have any questions regarding the safe operation of this equipment, please call:
Sports Attack Customer Service:
1-800-717-4251 or 775-345-2882

To reorder components, a parts list and part numbers can be found on page 14.
SET-UP & PREPARATION (CONT’D)

Figure 6 Attach battery wires.

Figure 7 Stand Strike Attack upright.

ADDITIONAL INFORMATION

If you have any questions regarding the safe operation of this equipment, please call:

Sports Attack Customer Service:
1-800-717-4251 or 775-345-2882

To reorder components, a parts list and part numbers can be found on page 14.
GENERATOR INFORMATION
(12 volt model excluded from generator use)

1. Strike Attack requires a generator capable of providing clean electricity (inverter technology) of a minimum 1000 watts at 120 volts 60hz.
2. Be sure both speed control knobs are at “0” before plugging Strike Attack™ into the generator.
3. Start the generator and allow it to reach full speed before turning the power switch “ON”.
4. Turn the power switch “OFF” before shutting the generator off and before unplugging Strike Attack.

IMPORTANT: Generator speed fluctuations can damage the electronic speed control. Maintain adequate fuel in the generator at all times.

BATTERY INFORMATION

The Strike Attack DC model comes with a non-spilling AGM (advance glass mat) deep cycle D34 battery. This 12V battery can perform up to 13V when fully charged and can stand discharge down to below 10V.

Upon receiving your Strike Attack and battery, you should charge the battery using the charger that comes with your unit. The charger has 3 charging settings 2 amps, 5 amps, and 10 amps. The charger defaults to 2 amps setting; to change the charging amps on the battery charger, use the mode button. The battery will have a longer life if charged on less amps. (10 amps may cause damage to battery). Inspect the battery for damage before charging (possibility of explosion) and battery from machine when charging. Battery needs to cool before recharging. Do not charge the battery when wet.

When replacing battery, you must use the same battery as originally equipped. When un-installing the battery, you must first disconnect the negative cable, then the positive. When installing battery, you must first connect the positive, then the negative.

The battery has two light indicators on the charger:

- **No lights** - Indicates AC power is applied to the charger
- **Full Line of Green lights** - Indicates when the battery is fully charged

You may also charge the battery using any manufactured automotive battery charger. However the charger on the Strike Attack does not damage fully charged batteries left connected to it.

IMPORTANT: Terminals must be protected from short circuit. Any object that is placed touching either battery terminal could cause a short circuit.

Battery Life Indicator LED’s on the Machine:
If you see no green light the battery is running low on charge

<table>
<thead>
<tr>
<th>AMPS</th>
<th>Approx Charge Times</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>22 hours</td>
</tr>
<tr>
<td>5</td>
<td>10 hours</td>
</tr>
<tr>
<td>10</td>
<td>5 hours</td>
</tr>
</tbody>
</table>

*Machine can be operated while charging, however the RPM will be lower. If battery is unplugged from the machine the battery charges faster.

** Charger automatically defaults to 2 amps charging mode, it can be changed by holding the “Mode” button on the charger. The battery will have a longer life if charged on less amps.*
REPLACING A BATTERY
Battery may be removed while rear handle assembly is attached or detached from throwing head. Please see corresponding photo below.

1. Unplug charger from power source.
2. Turn both speed control knobs to “0.” Make sure throwing wheels are stopped.
3. Unplug battery connector from throwing head. See A
4. Loosen and remove two wing nuts on battery terminal connectors. Remove the two wires on each terminal (1 wire from charger and 1 wire from battery harness). See B1 and B2
5. Loosen and remove battery hold down. See C
6. Remove battery from left side, making sure the rubber pad under battery stays in place.

Reassemble in reverse order.

IMPORTANT: Replace battery with exact model and part number. Equivalent batteries may not fit into the padded battery box or may not have the same capacity.

---

ADDITIONAL INFORMATION
If you have any questions regarding the safe operation of this equipment, please call:
Sports Attack Customer Service:
1-800-717-4251 or 775-345-2882

BATTERY CHARGING
ALWAYS wear safety glasses when working with batteries.

- Not fully charging a battery can result in poor performance and a reduction in capacity.
- Recharge times vary depending on factors such as temperature, charger characteristics, percentage of battery discharge, etc.

WARNING
If battery becomes hot while charging, disconnect it from the charger immediately, then call Sports Attack.

Sports Attack Customer Service:
1-800-717-4251 or 775-345-2882

---

Figure 8 Top view of battery attached to machine.
CARE, CLEANING & MAINTENANCE

LUBRICATION (once per season, or as required):

1. Spin/Angle Control Knob
   Apply fresh grease to threads as needed.

2. Rear Leg Assembly Elevation Knob
   Apply fresh grease to threads as needed.

3. Throwing Wheel Motors
   Motors are sealed and require no lubrication.

THROWING WHEEL MOTORS

Motors bearings are sealed and require no lubrication.

Check bolts for tightness once a season. Tighten bolts securely, but do not over-tighten.
See Figure 9 on page 10.

CLEANING THE THROWING WHEELS

Supplies Needed for Wheel Cleaning Include:
- Putty knife, 1 inch wide
- Methyl Ethyl Ketone (M.E.K.), small can*
- Hair dryer or heat gun

Supplies can be purchased at a local paint or hardware store.
*Please follow the manufacturer’s safety instructions when using any chemicals.

Directions for Cleaning:

Estimated time is 10+ minutes per wheel depending on the amount of build-up.

   Step One: Before attempting any kind of service on your machine, always disconnect unit from power source.

   Step Two: Heat up the ball material build-up on one wheel with a hair dryer or heat gun on high setting until build-up softens.

   Step Three: With a putty knife, simply loosen and peel off the build-up material.

   Step Four: Wet a rag or paper towel with M.E.K. and wipe the wheel to take off any remaining build-up. Do not turn machine “On” and have the throwing wheels turning during this time.

For wheels with excessive build-up, you may need to repeat this process.

EXAMINE THE MACHINE

Examine Strike Attack for condition and completeness before every use:

1. Throwing wheels must be tight on the motor shafts. Check that the four bolts holding each motor to the throwing head assembly are tight.

2. Wheel guard and ball chute must be securely fastened.
COMPONENT REPLACEMENT
THROWING WHEEL REPLACEMENT

1. Turn both throwing wheel control knobs to “0.” If an AC unit, unplug the power cord. Remove the 4 bolts on the outside wheel guard.

2. Hold the wheel so that it cannot move. Turn the keyway retaining bolt counter-clockwise using a half inch box-end wrench (See Figure 9).
   
   **Suggestion:** If the bolt is too tight, give the opposite end of the wrench a series of light taps with a hammer making sure the wrench remains on the bolt.

3. Remove the bolt and washer.

4. Work the wheel off of the motor shaft. Be sure to catch the key as it is freed from the keyway.

5. Ball throwing wheels are machine balanced. Small holes in the side of the wheel are applied at the factory and are normal.

**Reassemble in reverse order.**

a. Install wheel to motor shaft with key slots aligned.

b. Be sure the key is in place, and inserted so that it is flush with the hub surface at the wheel center.

c. Be sure the washer and lock washer are installed in the right order, and that the keyway retaining bolt is tightened.

d. Test the wheel by spinning it by hand and making sure that it spins freely without wobble before turning the unit on.

e. Be sure the top wheel guard is properly and securely reinstalled.

**NOTE:** Check bolts for tightness once a season. Tighten bolts securely, but **do not over-tighten.**
COMPONENT REPLACEMENT (CONT’D)

MOTOR REPLACEMENT

1. Turn the speed control knobs to “0.” If an AC unit, unplug the power cord.
2. Remove outside wheel guard.
3. Remove the throwing wheel (See page 10).
4. Remove inside wheel guard.
5. Unbolt 4 bolts (See Figure 10) and slide motor out.

Reassemble with new motor in reverse order.

NOTE: Check bolts for tightness once a season. Tighten bolts securely, but do not over-tighten.

Figure 10  Showing the four bolts to unbolt for removing the motor.
COMPONENT REPLACEMENT (CONT’D)
AC MODEL CONTROLLER REPLACEMENT

1. Turn the power switch “OFF” and unplug the power cord.

2. Remove knob from the controller.

3. Remove four screws holding controller faceplate into main casting. Note the position of the main power and motor wires on the controller, then disconnect the wires. See Figure 12 for the two motor wires. See Figure 11 for the main power cord wires.

4. Loosen the nuts holding the speed control shaft (potentiometer) to the faceplate, then remove the controller.

Reassemble in reverse order.
Be sure wires are correctly reinstalled. Motor wire connectors are different sizes. Be sure they are installed on the correct size terminal. See Figure 12 for the two motor wires and Figure 13 for the power cord wires.

WIRING POWER CORD
White or Blue Wire (1)
To middle male terminal marked “N.”

Black or Brown Wire (2)
To circuit breaker.

Green Wire (3)
Grounds to machine/motor.

MOTOR WIRE LEADS
White 3/16” wide connectors.
Black 1/4” wide connectors.

Black Wire (2) connects to A- on circuit board.
White Wire (2) connects to A+ on circuit board.

CONTROLLER
Black Wire (2) 2 PR jumper wire:
- 1 from on/off switch to circuit breaker
- 1 from on/off switch to circuit board terminal “L”.

CONNECTING WIRES

<table>
<thead>
<tr>
<th>Motor</th>
<th>Black Wire</th>
<th>White Wire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right</td>
<td>A-</td>
<td>A+</td>
</tr>
<tr>
<td>Left</td>
<td>A+</td>
<td>A-</td>
</tr>
</tbody>
</table>

Black motor wires are 1/16” female disconnect and white wires are 1/4” female disconnect.
COMPONENT REPLACEMENT (CONT’D)
DC MODEL CONTROLLER REPLACEMENT

1. Turn the power switch “OFF” and unplug the power cord.
2. Remove knob from the controller.
3. Remove four screws holding controller faceplate into main casting. Note the position of the main power and motor wires on the controller, then disconnect the wires. See Figure 12 for the two motor wires. See Figure 11 for the main power cord wires.
4. Loosen the nuts holding the speed control shaft (potentiometer) to the faceplate, then remove the controller.

Reassemble in reverse order.

Be sure wires are correctly reinstalled. Motor wire connectors are different sizes. Be sure they are installed on the correct size terminal. See Figure 12 for the two motor wires and Figure 13 for the power cord wires.

WIRING POWER CORD
White or Blue Wire (1)
To middle male terminal marked “N.”
Black or Brown Wire (2)
To circuit breaker.
Green Wire (3)
Grounds to machine/motor.

MOTOR WIRE LEADS
White 3/16” wide connectors.
Black 1/4” wide connectors.
Black Wire (2) connects to A- on circuit board.
White Wire (2) connects to A+ on circuit board.

CONTROLLER
Black Wire (2) 2 PR jumper wire:
- 1 from on/off switch to circuit breaker
- 1 from on/off switch to circuit board terminal “L”.

CONNECTING WIRES

<table>
<thead>
<tr>
<th>Motor</th>
<th>Black Wire</th>
<th>White Wire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right</td>
<td>A-</td>
<td>A+</td>
</tr>
<tr>
<td>Left</td>
<td>A+</td>
<td>A-</td>
</tr>
</tbody>
</table>

Black motor wires are 1/16” female disconnect and white wires are 1/4” female disconnect.
## Parts List

<table>
<thead>
<tr>
<th>REF#s</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>281-0001</td>
<td>Travel Wheel</td>
</tr>
<tr>
<td>2</td>
<td>533-6008</td>
<td>Assembly Base FRONT</td>
</tr>
<tr>
<td>3</td>
<td>533-6009</td>
<td>Assembly Base REAR</td>
</tr>
<tr>
<td>4</td>
<td>520-0073</td>
<td>Controller Assembly</td>
</tr>
<tr>
<td>5</td>
<td>553-6014</td>
<td>AC Handle Assembly (shown)</td>
</tr>
<tr>
<td>5</td>
<td>533-6013</td>
<td>DC Handle Assembly</td>
</tr>
<tr>
<td>6</td>
<td>280-4001</td>
<td>Motor-Side Wheel Guard</td>
</tr>
<tr>
<td>7</td>
<td>280-4002</td>
<td>Wheel Guard</td>
</tr>
<tr>
<td>8</td>
<td>531-0007</td>
<td>Throwing Wheel</td>
</tr>
<tr>
<td>9</td>
<td>530-1018</td>
<td>12VDC Motor</td>
</tr>
<tr>
<td>9</td>
<td>530-1014</td>
<td>90 VDC Motor</td>
</tr>
<tr>
<td>9</td>
<td>530-1016</td>
<td>180 VDC Motor</td>
</tr>
<tr>
<td>10</td>
<td>533-6004</td>
<td>Motor Mount ORANGE</td>
</tr>
<tr>
<td>10</td>
<td>533-6011</td>
<td>Motor Mount BLACK</td>
</tr>
<tr>
<td>11</td>
<td>280-2006</td>
<td>Elevation/Rotation Knob</td>
</tr>
<tr>
<td>12</td>
<td>280-2003</td>
<td>Control Knobs</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>Plastic Handle Grip</td>
</tr>
<tr>
<td>14</td>
<td>280-0010</td>
<td>Wheel, Tube Rotation</td>
</tr>
</tbody>
</table>

To order additional parts, please contact:
Sports Attack
Customer Service Dept.
Ph: 1-800-717-4251
Fx: (775) 345-2883
Please visit our web site [www.sportsattack.com](http://www.sportsattack.com) for information about Sports Attack sports training products, or call 1-800-717-4251 for complete information and specifications.
Please visit our web site www.sportsattack.com for information about Sports Attack sports training products, or call 1-800-717-4251 for complete information and specifications.