# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th></th>
<th>SPECIFICATIONS</th>
<th>CONTACT INFORMATION</th>
<th>GENERAL SAFETY</th>
<th>MOTION SAFETY</th>
<th>GENERAL SETUP</th>
<th>MECHANICAL SETUP ILLUSTRATION</th>
<th>OPERATOR MENU SYSTEM</th>
<th>TROUBLESHOOTING GUIDE</th>
<th>ELECTRO-MECHANICAL ILLUSTRATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>36</td>
</tr>
<tr>
<td>2.</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>21</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>36</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** THIS MANUAL AND ITS CONTENTS MAY BE REVISED TO REFLECT THE MOST CURRENT INFORMATION. PLEASE CHECK FOR THE LATEST VERSION OF THE GAME MANUAL ON THE RAW THRILLS WEBSITE: WWW.RAWTHRILLS.COM
Operator’s Manual

Product Specifications

Electrical Power

<table>
<thead>
<tr>
<th></th>
<th>Game:</th>
<th>Air Compressor:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>120 VAC @ 60 Hz, 5 amps</td>
<td>120 VAC @ 60 Hz, 10 amps</td>
</tr>
<tr>
<td>International</td>
<td>240 VAC @ 50 Hz, 2.5 amps</td>
<td>240 VAC @ 50 Hz, 5 amps</td>
</tr>
<tr>
<td>Japan</td>
<td>100 VAC @ 50 Hz, 5 amps</td>
<td>120 VAC @ 60 Hz, 10 amps</td>
</tr>
</tbody>
</table>

Important Multi-Power Supply Notice: Jurassic Park Motion models are equipped with two independently switched and fused AC supply line cords. Make sure ALL power supply switches and line cords are turned “OFF” and disconnected before servicing. To prevent electrical hazards and overloading, do not use extension cords.

DC Power Fuse Guide

ELECTRICAL SAFETY NOTICE: Replace fuse with equivalent rating as specified. Do not replace fuse with a lower or higher rating than specified. Modifications to this device voids safety design and warranty.

RIO PCB FUSE GUIDE:
- +5 VDC - 3 amp Slow Blow (RIO MCU, START BUTTON)
- +12 VDC - 5 amp Slow Blow (COIN DOOR, GUN MOUNT LED, PLAYER AREA BLOWER FAN)
- +12 VDC - AUDIO POWER USES A THERMAL FUSE, RIO F3

CABINET FUSE GUIDE:
(NOTE: FUSES ARE MOUNTED ON THE TOP LEFT SIDE OF THE PC COMPARTMENT. F1 IS LOCATED CLOSEST TO RIO PCB)
- F1 - PLAYER 1 GUN POWER , (each gun coil is also fused separately on the gun harness, 2 amp SB)
- F2 - PLAYER 2 GUN POWER , (each gun coil is also fused separately on the gun harness, 2 amp SB)
- F3 - DINO HEAD BACKLIGHT, 5 amp Slow Blow (On Certain Models only)
- F4 - JURASSIC PARK GATE LOGO, MOTION BASE, MARQUEE, 5 amp Slow Blow
- F5 - BENCH LED T-MOLD, WOOFER, UNDER DASH SPEAKER BEZEL, 5 amp Slow Blow
- F6 - CABINET COOLING FANS

Temperature 32° to 100° Fahrenheit (0° to 38° Celsius)

Humidity
Must not exceed 95% relative humidity or where visible condensation is present.

Cabinet Dimensions

<table>
<thead>
<tr>
<th>Component</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assembled 55”</td>
<td>166.6 in. / 423.2 cm (w/ Dino Topper)</td>
<td>59.74 in. / 151.7 cm</td>
<td>90.75 in. / 230.5 cm</td>
</tr>
<tr>
<td>Deluxe Motion Model</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Contact Information

For an authorized distributor near you, check the Raw Thrills website at www.rawthrills.com

Contact Betson Enterprise Headquarters or your local Betson office for sales, technical information, warranty or repair.

Betson Enterprises Headquarters
303 Paterson Plank Rd.
Carlstadt, NJ 07072
(800) 524-2343 or (201) 438-1300
fax (201) 438-4837
www.betson.com

JURASSIC PARK MOTION DLX
**Safety**

**OPERATION**
Before operating game, read this manual. Failure to properly install and operate this game could result in malfunction or accident. Operate the game in accordance with the manual.

**TRANSPORTING**
Cabinet is very heavy and contains fragile components. Use appropriate care when moving or transporting cabinet. Avoid rough handling.

**HANDLING COMPONENTS**
Many components are extremely sensitive to handling, environmental and Electrostatic Discharge (ESD) events—especially the computer. Do not handle it roughly. Before servicing, call your distributor and inquire about the PC warranty. Use proper ESD procedures when servicing. Protect components from harmful environmental conditions, such as extreme temperatures, excessive moisture or other damaging effects.

**DISCONNECT POWER**
Always turn off ALL power and unplug ALL AC line cords on the unit before servicing or making adjustments, unless otherwise instructed. Installing or repairing components while power is on can damage the components and void the warranty.

**GROUNDING**
Avoid electrical shock. Do not plug in AC power until you have inspected and properly grounded the unit. Only plug into a grounded, three-wire outlet. Do not use a “cheater” plug or cut off the ground pin on the line cord.

**ELECTRICAL SHOCKS**
There is no isolation transformer in the cabinet. Disconnect AC power before servicing. However, be aware that lethal voltages can remain in the electronic components even when AC power is disconnected. Use extreme caution when servicing. Verify that there is a working ground connection. If the unit sustains water damage, cease using it immediately and unplug AC power.

**LCD DISPLAY**
Extremely high voltages exist in the LCD at all times. These high voltages exist even when the LCD is off and the AC line cord is disconnected. These voltages are extremely lethal and will cause death. The LCD contains no user serviceable parts. Do not attempt to service the LCD.

**POWER SELECTOR**
Before installing game, ensure the voltage on the PC is set properly. There is a 115/230 VAC selector switch that must be set for the correct voltage for your site.

**CONNECTORS**
Ensure all connectors mate properly. If connectors do not slip in easily, do not force them. Connectors are often keyed and only connect one way. Check for correct orientation. Positive locking connectors are commonly used and require a locking tab to be pressed down to unlock and free the connector.
Operator’s Manual

**Computer**
The computer contains sensitive components, including a hard drive. Do not handle it roughly. Call your distributor before servicing its internal components. Ask about warranty information as it relates to the PC.
Do not turn the PC power switch on or off. It should remain permanently in the ON position.
Cycle AC power on or off with the cabinet power switch.
A dongle has been inserted into one of the USB ports. This is required for game play.
Do not remove the dongle except for troubleshooting purposes.

**Power Cord**
If the power cord is damaged or lost, replace it with an identical cord as supplied by the manufacturer or an authorized service agent. Do not use extension cords.

**Water Jets**
Do not install or operate game within operating perimeter of a water jet. Do not clean equipment using water jet.
Game must be installed in a manner that limits access to the rear portion of the cabinet to service personnel only.
Do not allow liquids behind the game to avoid spills which could cause damage or present a hazardous condition.

**Ventilation**
It is critical that the game is installed in a manner that allows for proper ventilation and air flow.
Game must be installed so that there is a minimum amount of clearance between the wall or another game to allow good air circulation through the game cooling fan and vents.

**Hazard to Epileptics**
A small portion of the population has an epileptic condition that may cause seizures. Affected persons experience seizures while watching some television pictures or playing certain video games. People who have not had seizures may still have an undetected epileptic condition. If anyone in your family has experienced epilepsy symptoms (seizures or loss of awareness), consult your physical before using video games. While children play video games, an adult should observe. Be alert to the following symptoms: dizziness, altered vision, eye or muscle twitching, involuntary movements, loss of awareness, disorientation or convulsions. If you or anyone experiences these symptoms, discontinue use immediately and consult your physician.

**Manual**
Keep this manual available and ready for use. If the game fails to function properly, turn off the machine and unplug the AC line cord. Contact your local distributor. Your warranty, when applicable, lasts 60 days from your purchase date. You may not reproduce this document or any of its contents without written authorization from Raw Thrills™, Inc.

**Specifications**
For reasons such as performance, this product’s specifications may change without notice. Federal patent, copyright and other intellectual property laws protect the content, devices and design of the game and its equipment.

**Fuse Replacement**
For continued safe and reliable operation of the electrical systems, use only specified fuse values. Fuse values can be found on the manual or the label posted nearby. It is highly advisable to troubleshoot and determine what is causing the fuse to fail before power is re-applied. This should be handled only by an experienced technician.
• This machine features moving parts and should only be serviced by a trained and experienced technician.
• Turn off all power and air supply before servicing the machine.
• Keep area around the machine clear and free of objects that present a trip hazard. Allow for plenty of room for players to safely enter and exit the machine.
• Observe ALL of the following guidelines to prevent injury, accident or damage.
  o Maximum of two persons on the machine at any time.
  o If a player fatigues or experiences motion sickness or is unable to continue the game for any reason, stop the game motion immediately by pressing the STOP button. Allow the person to rest and exit the game with assistance if needed.
  o Remain seated for the entire duration of the game. Do not stand or exit while the game is moving. Press the STOP button before exiting the game.
  o Keep hands and legs inside the game at all times while in motion. Remain in the game until game comes to a complete stop.
  o Do not attempt to reach for objects on the floor or near the game when it is moving. Stay clear and stand at a safe distance while game is in motion.
  o Small children should always be accompanied by a parent or guardian.
  o Do not grab the gun to pull yourself up when exiting. The guns will move and can cause you to lose balance.
• The machine is equipped with safety features which the operator and the player need to be familiar with:
  o Motion STOP button is located between player 1 and 2 start buttons. This button will stop the motion feature once pressed.
  o Bellows around the moving part of the machine prevent access between the base and the moving part. Make sure that the bellows are not damaged or showing signs of excessive wear that could lead to failure. Replace the bellows when this occurs. Use only tamper proof screw fasteners as specified.
  o The machine is designed so that there is no unintended movement in the absence of a logic signal as might be experienced during a power outage. Make sure that the machine is safe to operate before turning power back ON.
• Critical parts should be maintained and inspected regularly for safe operation. If those critical parts are damaged, broken, or installed incorrectly, replace them or install correctly. Use only manufacturer’s specified parts for continued safety and reliability. Call your distributor to order replacement parts.
SAFETY NOTICE: Installing this product requires two individuals able to lift heavy objects safely. You may also be required to climb a ladder or step stool as part of the installation process. Make sure that you are familiar with the manual contents, game setup and operation before you begin the installation process. Do not push or pull the on the guns or decorative items such as the marquee or bank logo to move the game. Doing so can damage the gun mechanism or decorative items. Be aware of your surroundings and individuals around you during the installation process for your safety and the safety of others. Work only in an area with sufficient lighting and a clean and level surface.

Unpack Cartons
1. Place the shipping crates on a flat stable surface.
2. Cut the banding straps and remove the cardboard lids. Note: Strap brackets and fasteners are packed in a plastic back and secured to the crate with the banding straps. Set aside hardware bag for later use.
3. Lift off the large cardboard container surrounding the cabinet and any shipping cleats.
4. With at least two people and a dolly, remove the cabinet from the shipping pallet. See model specific assembly diagram. A fork lift or similar device might be required to lower the motion bench assembly from the pallet.
5. Remove the coin door key from the coin return chute.
6. Open the top coin door.
7. Locate the key for the top and bottom back doors and the cash box.
8. Remove the items inside cash box: AC power cable, a bag of screws and tools, marquee power cable, this manual.
9. Refer to detailed Mechanical Assembly instructions on the next page.

Check Electrical Settings (For Units Shipped From Different Location)
1. Verify the correct voltage in the nearest AC outlet.
2. Verify the AC outlet ground connection is present and working.
3. Open the lower back door of the monitor assembly.
4. Verify the voltage selector switch is set to correct AC voltage for all power supplies. This step is recommended if the unit has been moved or shipped from another locality.
5. Route the line cord so that the plug is near the AC outlet and out of the way of foot traffic.
6. Connect air supply hose to regulator. Air regulator is located in the compartment next to PC and electronics compartment. Do not turn on air supply until cabinet has been fully assembled.
7. Replace the lower back door of the monitor assembly.

Start Up Game
1. Plug in line cord to AC outlet.
2. Turn the power switch to ON.
3. Check that none of the components are excessively hot or emitting foul odors.
   \textit{If not, turn off AC power and disconnect line cord. Refer to the diagnostic section of this manual.}
4. Once software loads, you will be asked to calibrate the guns.
   \textit{If not, enter the service menu by pressing the TEST button located on the bracket inside the top coin door.}
Please refer to the following illustrations for cabinet assembly information.

- **Main Cabinet Assembly**: Dino Head Topper, Curtain Mountings Hardware, Mating Platform
- **Curtain Assembly**: Curtain and Roof Installation
- **Final Assembly**: LCD Cabinet and Motion Platform Mating
[DELUXE-JURASSIC PARK-MOTION]
MAIN CABINET ASSEMBLY
Menu Interface

The Service Panel has two rocker type momentary ON buttons. Press the switch UP/DOWN toward the direction of the function you wish to perform. Pressing the TEST button at any point while the game is running will enter the diagnostic menu. This menu can be navigated with the service panel or the gun.

An on-screen message acknowledges changes or when you exit a selection without making a change. At the bottom of each screen, there is a brief description of the highlighted menu option.

Navigating with Service Panel Switches

- TEST enters diagnostic system or select highlighted menu option
- SERVICE exit current menu
- VOLUME DOWN moves down through menu or setting choices
- VOLUME UP moves up through menu or setting choices

Navigating with Gun

- The menu interface can be navigated with the gun by aiming and shooting.
- Shooting the right side options will perform the indicated action.
- Shoot scroll up or scroll down to highlight menu options.
- Shoot select to enter the highlighted menu or perform the highlighted option.
- Shoot exit to return to the prior menu or exit the diagnostic system.
Menu Screens and Descriptions

Main Menu

- **Diagnostics** - verify game inputs and outputs are functional
- **Pricing** - view and adjust various pricing and denomination options
- **Game Adj** - setup and manage game parameters
- **System Adj** - setup and manage system parameters
- **Audits** - view various hardware and software information ie. collection and play data
- **Utilities** - reset tables, credits, audits. Perform factory reset and CRC software check.
- **Gun Cal** - calibrate and verify gun functionality
- **Game Vol** - adjust game and attract volume
- **Rumble Vol** - adjust seat vibration intensity

This document will be updated periodically to improve accuracy and usability. Please visit: rawthrills.com to get the latest version of this manual.
Periodic checks of all game inputs are key to maximizing earnings, customer enjoyment and safety.

Important Note: **Emergency Stop** and **Floor Mat** will prevent motion from working when active; pressed down. Both switches are "Inactive" during normal operation.
Operator’s Manual

Scroll down to access additional audio test items: Rumble Electro, Rumble Shotgun, Rumble Hit Volume.

Main Menu

Diagnostics

Light Tests

Increase your game’s curb appeal while also offering the best visual experience for players and prospective customers by making sure that all controlled lighting effects are working. Dino Head is available on certain models only.

Main Menu

Diagnostics

Watchdog Tests

The watchdog function is a critical part of making sure that the game is able to recover from a lock-up condition automatically. This is especially critical in unattended locations.
The gun mechanical feedback system is designed with unique features that enhance the player’s experience. Verify that gun vibration special effects are functional.

Diagnostics

Gun Vibration Tests

Color Bar LCD Display Test
Main Menu

Diagnostics

Motion Calibration

Motion Controller: Disconnected

**WARNING**

- Stay clear of moving parts! Calibration and Self-Test is performed automatically. The game will move up/down and tilt without any further operator input until the selected action has been completed. Follow on-screen directions for most accurate results.
Main Menu

Diagnostics

Coin Meter Tests

This unit has a common meter for coin and DBV accounting. Replace with SVDC meter only.

Main Menu

Pricing

Adjust game pricing and crediting parameters. Customize pricing for best location earnings.
Main Menu

Game Adjustments
Adjust in-game parameters. Customize in-game features to suit customer base and location.

System Adjustments

Main Menu
Monitor game audits to make informed decisions in determining key game settings. ie. pricing, game length.

Resetting Audit information is recommended whenever you change a game parameter in order to accurately track changes in earnings.
Maximize your game’s earning potential by making sure that the guns are periodically calibrated and all switch inputs are functional.
MOTION SYSTEM TROUBLESHOOTING
Warning: Review Safety section of this manual before accessing serviceable parts and making any adjustments to game.

<table>
<thead>
<tr>
<th>Category</th>
<th>Topic</th>
<th>Figure</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>Main Motion Inspection &amp; Troubleshooting Guide</td>
<td>TRS-1.1</td>
</tr>
<tr>
<td>Compressor &amp; Air Supply</td>
<td>Pneumatic Supply Inspection</td>
<td>TRS-2.1</td>
</tr>
<tr>
<td></td>
<td>Motion pressure errors reported on screen</td>
<td>TRS-2.1</td>
</tr>
<tr>
<td></td>
<td>High Air Pressure</td>
<td>TRS-2.1</td>
</tr>
<tr>
<td></td>
<td>Low Air Pressure</td>
<td>TRS-2.1.1</td>
</tr>
<tr>
<td></td>
<td>No Air Pressure</td>
<td>TRS-2.1.1</td>
</tr>
<tr>
<td></td>
<td>Compressor inspection</td>
<td>TRS-2.2</td>
</tr>
<tr>
<td></td>
<td>Compressor is very loud</td>
<td>TRS-2.2</td>
</tr>
<tr>
<td></td>
<td>Compressor runs continuously</td>
<td>TRS-2.2</td>
</tr>
<tr>
<td></td>
<td>Compressor does not turn on</td>
<td>TRS-2.2</td>
</tr>
<tr>
<td>Motion Functionality</td>
<td>Motion Platform Inspection</td>
<td>TRS-3.1</td>
</tr>
<tr>
<td></td>
<td>General Air Leak Inspection</td>
<td>TRS-3.2</td>
</tr>
<tr>
<td></td>
<td>Motion Platform Air Leak Inspection</td>
<td>TRS-3.2.1</td>
</tr>
<tr>
<td></td>
<td>Motion Functionality Inspection</td>
<td>TRS-3.3</td>
</tr>
<tr>
<td></td>
<td>Motion platform does not move at all</td>
<td>TRS-3.3</td>
</tr>
<tr>
<td></td>
<td>Individual motion actuator does not move</td>
<td>TRS-3.3</td>
</tr>
<tr>
<td></td>
<td>Individual motion actuator moves up, but not down</td>
<td>TRS-3.3</td>
</tr>
<tr>
<td></td>
<td>Individual motion actuator moves down, but not up</td>
<td>TRS-3.3</td>
</tr>
<tr>
<td></td>
<td>Motion software settings</td>
<td>TRS-3.3.1</td>
</tr>
<tr>
<td></td>
<td>Individual motion actuator moves erratically</td>
<td>TRS-3.3.2</td>
</tr>
<tr>
<td></td>
<td>Height sensor not responding</td>
<td>TRS-3.3.2</td>
</tr>
<tr>
<td></td>
<td>Height sensor displays erratic values</td>
<td>TRS-3.3.2</td>
</tr>
<tr>
<td>Motion Speed</td>
<td>Motion Speed Troubleshooting</td>
<td>TRS-4.1</td>
</tr>
<tr>
<td></td>
<td>Motion platform moves very fast</td>
<td>TRS-4.1</td>
</tr>
<tr>
<td></td>
<td>Motion platform moves very slow</td>
<td>TRS-4.1</td>
</tr>
<tr>
<td></td>
<td>Individual motion actuator moves very slow</td>
<td>TRS-4.1</td>
</tr>
</tbody>
</table>
Pneumatic Supply Inspection

Enter Test Menu

Navigate to: Diagnostics → Motion Tests

On-screen pressure status?

Low

Normal

See Diagram TRS-2.1.1
(Low Air Pressure Troubleshooting)

High

Check pressure gauge on Filter/Regulator (604-00046-01) inside cabinet

Filter/Regulator pressure?

Normal

High or Low

Adjust knob until pressure reads normal on the regulator gauge:
(DLX: 60PSI, Bench: 40PSI)

On-screen pressure status?

Low

Contact service representative

Normal

Reported Pressure and Pressure Sensor OK

Normal

On-screen pressure status?

High

Possible pressure sensor failure. Check wiring and/or replace sensor.

See Diagram TRS-2.2
(Compressor Inspection)

Compressor Inspection OK?

No

Yes

Pneumatic Supply Inspection OK Done!
Operator’s Manual

Low Air Pressure Troubleshooting

---

"Low Pressure" reported in attract mode

"Low" pressure status in "Motion Tests" diagnostic screen

Motion platform moves very slowly or not at all

Possible Low or No pressure issue

Compressor tank pressure?

> 90 PSI

Dedicated compressor AC cord plugged in cabinet?

No

Plug in

Yes

Compressor switched ON? (red switch on compressor)

No

Switch on

Yes

Compressor motor running?

No

Wait 90 seconds for compressor tank pressure to fill up above 90 PSI to about 120 PSI

Yes

Compressor tank pressure?

< 90 PSI

Cabinet panel mount circuit breaker tripped?

Yes

Reset

No

Wait 90 seconds for compressor tank pressure to fill up above 90 PSI to about 120 PSI

Yes

Check compressor, compressor motor, panel mount circuit breaker, and/or harness

No

Compressor needs dedicated AC service: 15A (110V) / 10A (220V)

Yes

Disconnect system air tube from compressor and wait 90 seconds

No

Possible compressor failure

Compressor tank pressure?

< 90 PSI

Possible compressor failure

Possible: one or more pneumatic (air) tubes not connected, air leak in system

Able to adjust FR pressure to target?

Yes

Adjust knob until pressure reads between 70 and 100 PSI

< 70 PSI or > 100 PSI

Adjust knob until pressure reads on the filter/regulator gauge:
(DLX: 60PSI, Bench: 40PSI)

Filter/Regulator (604-00046-01) pressure?

70-100 PSI

Compressor regulator pressure?

Possible: one or more pneumatic (air) tubes not connected, air leak in system

SEE: Pneumatic Schematic (check manual index for location)

SEE DIAGRAM TRS-3.2 (Air Leak Inspection)

SEE DIAGRAM TRS-2.1 (Pneumatic System Inspection)

On-screen pressure status?

Normal

Low Air Pressure Resolved!

Not Normal

Contact Service Representative

WARNING! Service by qualified technicians only!

Air compressor hazards:
- High AC Voltage
- Pressurized components
- Very hot surfaces

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Operator's Manual

Compressor Inspection

![Flowchart Diagram]

**WARNING!** Service by qualified technicians only!

- Air compressor hazards:
  - High AC Voltage
  - Pressurized components
  - Very hot surfaces

1. Put on safety glasses
2. Access compressor (recommended to remove compressor from game cabinet)
3. Unplug compressor from AC voltage and remove game pressure line
4. Clean/replace compressor air-intake filter as needed. See "Scheduled Maintenance" **CAUTION: LOUD**
5. Pull compressor pressure safety release valve to empty compressor air tank
6. With pressure line disconnected, plug in compressor to AC and switch on. **NO EXTENSION CORDS**
7. Wait up to 120 seconds for compressor tank pressure to reach 120-125 PSI
8. Motor stopped running within 120 seconds
   - Yes: Proceed to next step
   - No: Tank went over 125 PSI and the pressure safety valve opened (loud)
9. Compressor pressure switch not adjusted correctly -- Contact Service Representative
10. Compressor motor starts?
    - Yes: Proceed to next step
    - No: Compressor may have overheated. Disconnect AC line cord, let motor cool down and try again
11. Starts slowly or makes odd sounds
12. With motor stopped and tank at pressure, listen for any noise coming from the compressor.
13. Hear/observe any air leaks?
    - Yes: Proceed to next step
    - No: Possible compressor failure Contact Service Representative
14. More than ~30 seconds for the compressor motor to start up again?
    - Yes: Slow leak found. This should not be an issue, but keep note.
    - No: Major compressor leak found.
15. Still have compressor issues?
    - Yes: See compressor manual and/or contact service representative
    - No: See compressor manual and/or Contact Service Representative
16. Compressor Inspection OK
    - Done!
Motion Platform Inspection

Inspect motion platform

Any rips or tears in the rubber safety bellows?
- Yes: Discontinue use immediately and repair/replace rubber safety bellows.
- No:
  - All front floor cover plate screws secure?
    - Yes: Tighten all front floor cover plate screws.
    - No: Pedestal to main cabinet strap bracket secure?
      - Yes:
        - All leg-levelers lowered securely?
          - Yes: SEE DIAGRAM TRS-3.2 (General Air Leak Inspection)
          - No: Lower leg-levelers securely against the floor.
        - No: SEE DIAGRAM TRS-3.3 (Motion Functionality Inspection)
      - No: Tighten/secure strap bracket between motion pedestal and main cabinet.

Motion Platform Inspection: Done
General Air Leak Inspection

**WARNING!** Service by qualified technicians only!

Air compressor hazards:
- High AC Voltage
- Pressurized components
- Very hot surfaces

**Air Leak Inspection**

Compressor motor turns on more than once per minute in attract mode?

Yes

**WITH CAUTION**: Disconnect the main pressure line from the compressor

Compressor motor turns on more than once per minute in attract mode?

No

Inspect & re-seat air hose connection between monitor cabinet and motion pedestal.

Inspect & re-seat air hose connections on both sides of the filter/ regulator.

Inspect & re-seat air hose connection at pneumatic manifold air intake.

**WITH CAUTION**: Reconnect the main pressure line to the compressor

Compressor motor turns on more than once per minute in attract mode?

Yes

Check the filter/regulator for any air leaks

SEE DIAGRAM TRS-3.2.1
(Motion Platform Air Leak Inspection)

SEE DIAGRAM TRS-2.2
(Compressor Inspection)
Motion Platform Air Leak Inspection

(continuation of TRS-3.2 - "General Air Leak Inspection")

With compressor air supply connected, inspect pneumatic valve manifold

Audible air leak?
- Yes
  **WITH CAUTION**: Disconnect the pressure line from the compressor
  Inspect and reseat all air tubes connected to the valve manifold
  **WITH CAUTION**: Reconnect the pressure line to the compressor

- No
  Audible air leak?
  - Yes
    Possible valve manifold failure. Contact Service Representative
  - No
    Inspect Air Spring Actuator 0 air tube fitting for leaks.
    Possible valve manifold failure. Contact Service Representative

Actuator 0 major leak detected?
- Yes
  - Yes
    Inspect Air Spring Actuator 1 air tube fitting for leaks.
    Possible valve manifold failure. Contact Service Representative
  - No
    Air Leak Inspection OK Done!
Motion Functionality Inspection

Yes

Already verified software settings?

No

SEE DIAGRAM TRS-3.3.1
(Motion Software Settings)

Using the test bracket, navigate software:
Test Menu → Diagnostics → Motion Tests

Pressure "Normal"?

No

SEE DIAGRAM TRS-2.1
(Pneumatic Supply Inspection)

Yes

Button: Stop - Active?

Yes

Press "Motion Stop" button to deactivate
the motion stop.

No

In the Motion Tests menu:
Select "Inflate All"

Both front corners moved up?

Yes

In the Motion Tests menu:
Select "Deflate All"

No

Both front corners moved down?
"Down slower than up"

Yes

In the Motion Tests menu:
Select "Set all Heights to 50%"

No

SEE DIAGRAM TRS-3.3.2
(Actuator Sensor Troubleshooting)

Both front corners moved to approximately half-height?

Yes

Motion Functionality: OK
Done!
Using the test bracket, enter the software test menu

Top left corner displays "Motion Bench" or "Motion Deluxe"?

No → Non-motion dongle detected, Contact service representative

Yes → Navigate to:

Test Menu → System Adjustments

Cabinet Motion: On?

No → Set "Cabinet Motion" to "On"

Yes → Navigate to:

Test Menu → Diagnostics → Motion Tests

Button: Stop - Active?

Yes → Press "Motion Stop" button to deactivate the motion stop.

No → Calibrate the Motion Platform:

Test Menu → Diagnostics → Motion Calibration

Run the motion self-test:

Test Menu → Diagnostics → Motion Self Test

Passed test?

No → SEE DIAGRAM TRS-3.3 (Motion Functionality Inspection)

Yes → Motion Software Settings: Verification Complete
Motion Actuator Sensor Troubleshooting

Using the test bracket, navigate software:
Test Menu → Diagnostics → Motion Tests

Select "Deflate All"

Both front corners lowered?

No

SEE DIAGRAM TRS-3.3
(Motion Functionality Troubleshooting)

Yes

Both sensors read raw values in the range:
[40% - 60%]

No

Check electrical connections between each sensor and RT#500-00144-03 PCB

Yes

Check for debris between the reflective optical sensor and the opposite surface.

No

Both sensors read calibrated values between 0 and 10%?

Yes

Sensor problem fixed?

No

Possible sensor failure, replace sensor.

Select "Inflate All"

Yes

Both front corners raised?

No

SEE DIAGRAM TRS-3.3
(Motion Functionality Troubleshooting)

Yes

Both sensors read raw values in the range:
[67% - 87%]

No

Check electrical connections between each sensor and RT#500-00144-03 PCB

Yes

Check for debris between the reflective optical sensor and the opposite surface.

No

Both sensors read calibrated values between 90 and 100%?

Yes

Sensor problem fixed?

No

Possible sensor failure, replace sensor.

Invalid calibration, calibrate the sensors:
Test Menu → Diagnostics → Motion Calibration

Sensors Troubleshooting Done. Contact Service Representative for further assistance.
Motion Speed Troubleshooting

**Note:**
The speed of the motion platform/bench depends on the amount of weight on the bench.

In general, the more weight, the slower the motion moves up, and the faster the motion moves down.

With no occupants, the motion down can be up to four times slower than the motion up.

---

**Flowchart:**

1. **Motion platform moves too fast?**
   - No
   - Yes
       - Using the test bracket, navigate software: Test Menu → Diagnostics → Motion Tests

2. **Pressure “Normal”?**
   - No
       - SEE DIAGRAM TRS-2.1 (Pneumatic Supply Inspection)
   - Yes
       - Still seems too fast?
         - Yes
             - Adjust the filter/regulator to a lower pressure (minimum: 30psi)
         - No
             - SEE DIAGRAM TRS-2.1 (Pneumatic Supply Inspection)

3. **Entire motion platform moves too slow?**
   - No
       - SEE DIAGRAM TRS-3.2 (General Air Leak Inspection)
   - Yes
       - SEE DIAGRAM TRS-3.2.1 (Motion Platform Air Leak Inspection)

4. **Check all pneumatic air tubes between valve manifold and actuator for snug fitting insertions**
   - Yes
   - Individual actuator moves too slow?
     - Yes
       - Disconnect the electrical valve connections and use the valve override buttons to move the actuator up and down.
     - No
       - Manual override motion too slow?
         - Yes
           - Possible pneumatic valve failure. Contact Service Representative.
         - No
           - Check electrical connections between valve manifold and RT#500-00144-03 PCB

5. **Speed issue fixed?**
   - Yes
   - No
     - Contact Service Representative
### General Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Game will not power up</td>
<td>Game not plugged in.</td>
<td>Plug game into outlet.</td>
</tr>
<tr>
<td></td>
<td>Game not turned on.</td>
<td>Turn on main power switch.</td>
</tr>
<tr>
<td></td>
<td>Game fuse is blown.</td>
<td>Check and replace fuse.</td>
</tr>
<tr>
<td></td>
<td>No power to receptacle.</td>
<td>Test outlet and plug game into powered outlet.</td>
</tr>
<tr>
<td></td>
<td>PC not turned on.</td>
<td>Turn PC power switch on. Ensure IEC cable tightly plugged in. Trace cable back to source to ensure continuity.</td>
</tr>
<tr>
<td></td>
<td>PC BIOS set incorrectly.</td>
<td>See BIOS Settings chapter.</td>
</tr>
<tr>
<td>Screen not powering on with game</td>
<td>No AC power or bad video cable</td>
<td>Check loose or bad AC or video connection</td>
</tr>
<tr>
<td><strong>NO VIDEO</strong> message</td>
<td>Video cables not plugged in properly</td>
<td>Reattach and/or tighten video cable to monitor. Reattach and/or tighten video cable to PC. Power cycle PC or game</td>
</tr>
<tr>
<td></td>
<td>PC did not power up</td>
<td>Reattach and/or tighten video cable to monitor. Reattach and/or tighten video cable to PC. Power cycle PC or game</td>
</tr>
<tr>
<td></td>
<td>Faulty video cable</td>
<td>Replace video cable</td>
</tr>
<tr>
<td></td>
<td>PC not turned on.</td>
<td>Turn PC power switch on.</td>
</tr>
<tr>
<td>No sound</td>
<td>Bad Connection from PC to RIO audio or bad speaker connection.</td>
<td>Check connection ¼” stereo cable from PC to RIO and speakers.</td>
</tr>
<tr>
<td>Game does not load</td>
<td>Hard drive test reports “bad” or “missing” files.</td>
<td>Hard drive failure Recover hard drive.</td>
</tr>
<tr>
<td></td>
<td>Game fails to finish loading.</td>
<td>Hard drive failure Recover hard drive.</td>
</tr>
<tr>
<td></td>
<td>Game suggests inserting a boot DVD.</td>
<td>Hard drive failure Recover hard drive.</td>
</tr>
<tr>
<td>Error</td>
<td>WARNING! Data Files Corrupted. (Game Operation May Become Unstable.)</td>
<td>Use “Test” Switch to Enter Test Mode and Run “File Test.” Press Start To Continue.</td>
</tr>
<tr>
<td></td>
<td>Erratic game mode or attract mode.</td>
<td>Hard drive failure Recover hard drive.</td>
</tr>
<tr>
<td>Game resets</td>
<td>Bad file or bad 5V RIO fuse.</td>
<td>Run File Test. Restore hard drive. Replace 5V fuse on RIO pcb.</td>
</tr>
</tbody>
</table>
## Operator’s Manual

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guns won’t register or function poorly</td>
<td>Bad calibration</td>
<td>Calibrate guns.</td>
</tr>
<tr>
<td></td>
<td>Dirty/damaged potentiometers</td>
<td>Inspect and or replace potentiometer.</td>
</tr>
<tr>
<td></td>
<td>Gun/pot. disconnected</td>
<td>Check gun/pot connections.</td>
</tr>
<tr>
<td>Coin meter does not click during Test</td>
<td>No pulse to meter</td>
<td>Check all wiring from meter to I/O board.</td>
</tr>
<tr>
<td></td>
<td>Faulty meter</td>
<td>Replace coin meter.</td>
</tr>
<tr>
<td>Exits Test Mode every 3 seconds</td>
<td>Test button stuck in ON position</td>
<td>Slide or toggle button off after Test Menu appears</td>
</tr>
<tr>
<td>Dongle Not Present</td>
<td>Dongle missing or disconnected</td>
<td>Find dongle USB connection and reseat in USB port</td>
</tr>
<tr>
<td></td>
<td>Faulty USB port</td>
<td>Connect dongle to another USB port</td>
</tr>
<tr>
<td>Connect I/O Board or I/O Board Missing</td>
<td>USB cable disconnected</td>
<td>Check USB connection from PC to I/O board</td>
</tr>
<tr>
<td></td>
<td>Blown fuse</td>
<td>Verify 5V and 12V fuses are not blown.</td>
</tr>
<tr>
<td></td>
<td>No power to RIO board</td>
<td>Check for proper voltage (+5V, +12V) at RIO P2 connector</td>
</tr>
<tr>
<td></td>
<td>Bad RIO Board</td>
<td>Replace RIO board with known functional board.</td>
</tr>
<tr>
<td></td>
<td>Missing Field/Earth Ground</td>
<td>Check AC line cord for missing or damaged ground plug or connection. Use only properly grounded AC power outlet.</td>
</tr>
<tr>
<td>Guns not vibrating</td>
<td>Bad fuse or 24VDC power supply.</td>
<td>Verify parts are bad by swapping and replace.</td>
</tr>
<tr>
<td></td>
<td>Bad motion control pcb.</td>
<td></td>
</tr>
<tr>
<td>Seat subwoofer sound is weak</td>
<td>Low voltage on 12V power supply.</td>
<td>Adjust power supply voltage.</td>
</tr>
<tr>
<td></td>
<td>Volume set too low</td>
<td>Set Volume for desired vibration effect.</td>
</tr>
<tr>
<td>Light feature is not lighting up</td>
<td>Bad connection or damaged wires.</td>
<td>Replace or repair damaged wires or connectors.</td>
</tr>
<tr>
<td></td>
<td>Bad fuse or power supply.</td>
<td>Replace bad fuse with correct value.</td>
</tr>
<tr>
<td></td>
<td>SEE FUSE CHART.</td>
<td></td>
</tr>
</tbody>
</table>
MECHANICAL AND ELECTRICAL DIAGRAMS
[DELUXE] URASSIC PARK-MOTION

FINAL ASSEMBLY
DELUXE-JURASSIC PARK-MOTION
MAIN CAB ASSEMBLY
### Deluxe Jurassic Park Motion Full Motion Platform Assembly

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DLX-J P-MOTION-PLATFORM-ASSY</td>
<td>J P-DLX-MOTION-PLATFORM-ASSY</td>
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</tr>
<tr>
<td>2</td>
<td>DLX-J P-SEATCAB-ASSY</td>
<td>DLX-J P-SEATCAB-ASSY</td>
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<tr>
<td>3</td>
<td>DLX-J P-C.P.VAULT-ASSY</td>
<td>DLX-J P-C.P.VAULT-ASSY</td>
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<tr>
<td>4</td>
<td>600-01634-01</td>
<td>DIAMOND-PLATE-LEFT-COVER-DLX-J P</td>
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<tr>
<td>5</td>
<td>600-01635-01</td>
<td>DIAMOND-PLATE-RIGHT-COVER-DLX-J P</td>
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<td>6</td>
<td>600-01636-01</td>
<td>DIAMOND-PLATE-CENTER-COVER-DLX-J P</td>
<td>1</td>
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</tbody>
</table>
DELUXE-JURASSIC PARK-MOTION
CURTAIN ASSEMBLY

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NUMBER</th>
<th>DESCRIPTI ON</th>
<th>QTY.</th>
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<tbody>
<tr>
<td>1</td>
<td>600-01602-01</td>
<td>BRACKET-CURTAIN-DLX</td>
<td>P</td>
</tr>
<tr>
<td>2</td>
<td>600-01603-01</td>
<td>BRACKET-CURTAIN-ROD-DLX</td>
<td>P</td>
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<tr>
<td>3</td>
<td>600-01672-01</td>
<td>PVC-.75X12LG-PIPE-NIPPLE-SC #80-MPT</td>
<td>MPT</td>
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<td>4</td>
<td>600-01677-01</td>
<td>PVC-.75-THEADED-CAP-PPT</td>
<td>PPT</td>
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<tr>
<td>5</td>
<td>600-01676-01</td>
<td>PVC-.75-THEADED-COUPLING-FPT-PPT</td>
<td>PPT</td>
</tr>
<tr>
<td>6</td>
<td>600-01604-01</td>
<td>BRACKET-CURTAIN-FRONT-DLX</td>
<td>J P</td>
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<td>7</td>
<td>600-01072-01</td>
<td>CURTAIN-LEFT-DLX</td>
<td>J P</td>
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<tr>
<td>8</td>
<td>600-01073-01</td>
<td>CURTAIN-RIGHT-DLX</td>
<td>J P</td>
</tr>
<tr>
<td>9</td>
<td>600-01071-01</td>
<td>CURTAIN-TOP-DLX</td>
<td>J P</td>
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<tr>
<td>10</td>
<td>600-01673-01</td>
<td>PVC-.75X35LG-CUSTOM</td>
<td>M</td>
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<tr>
<td>11</td>
<td>75-velcro-adhesive-strip-black</td>
<td>HOOK</td>
<td>75-VELCRO-ADHESIVE-BACK-BLACK-HOOK</td>
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<tr>
<td>12</td>
<td>600-01674-01</td>
<td>PVC-.75X55LG-CUSTOM</td>
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<td>13</td>
<td>600-01675-01</td>
<td>PVC-.75-THEADED-ELBOW-FPT-PPT</td>
<td>PPT</td>
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<td>14</td>
<td>600-01678-01</td>
<td>50-EMT-CONDU-PIPE-23.75LG</td>
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</table>

DELUXE-JURASSIC PARK-MOTION
LC D ASSEMBLY

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NUMBER</th>
<th>DESCRIPTI ON</th>
<th>QTY.</th>
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<tbody>
<tr>
<td>1</td>
<td>600-01206-01</td>
<td>BRACKET-FRAME-HORIZ-55LC D-ALIENS</td>
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<tr>
<td>2</td>
<td>600-01205-01</td>
<td>BRACKET-FRAME-VERT-55LC D-ALIENS</td>
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<td>1_550_imperial_assy_am</td>
<td>55&quot; KO REK LC D ASSY</td>
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<td>4</td>
<td>600-01137-01</td>
<td>BRACKET-MOUNT-55LC D-OPEN-FRAME</td>
<td>4</td>
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<tr>
<td>5</td>
<td>600-01138-01</td>
<td>GLASS-SHIELD-55LC D</td>
<td>1</td>
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<td>6</td>
<td>600-01593-01</td>
<td>STRUT-FLCD FL-DLX</td>
<td>2</td>
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<tr>
<td>7</td>
<td>600-01592-01</td>
<td>LCD-SIDE-BRACKET-P-DLX</td>
<td>2</td>
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<tr>
<td>8</td>
<td>foamtape-horz</td>
<td>25 X .50 X 47.47LG FOAM TAPE</td>
<td>2</td>
</tr>
<tr>
<td>9</td>
<td>foamtape-vert</td>
<td>25 X .50 X 29.09LG FOAM TAPE</td>
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</tbody>
</table>
### Deluxe-Frassic Park-Motion

**Compressor Assembly**

<table>
<thead>
<tr>
<th>Item NO.</th>
<th>Part Number</th>
<th>Description</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CAT-5021/A/C</td>
<td>CAT COMPRESSOR ASSY</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>600-01632-01</td>
<td>BRACKET COMPRESSOR DLX/P</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>601-00728-01</td>
<td>PANEL COMPRESSOR DLX/P</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>600-01675-01</td>
<td>COMPRESSOR TANK BRACKET DLX/P</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>Preferred Wide FM 0.25</td>
<td>1/4-20 FLAT WASHER</td>
<td>4</td>
</tr>
<tr>
<td>6</td>
<td>HRBOLT0.25-20X0.75x0.75-N</td>
<td>1/4-20 X .750, HH BOLT</td>
<td>4</td>
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<tr>
<td>7</td>
<td>HRBOLT0.25-20X0.75x0.75-N</td>
<td>1/4-20 X .750, HH BOLT</td>
<td>6</td>
</tr>
</tbody>
</table>

---

**Air System Assembly**

<table>
<thead>
<tr>
<th>Item NO.</th>
<th>Part Number</th>
<th>Description</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CKD-W3000-BN-W-F1</td>
<td>REGULATOR/FILTER - CKD-W3000-BN-W-F1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>CKD-8330</td>
<td>BRACKET FOR CKD-W3000</td>
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</tr>
<tr>
<td>3</td>
<td>5778K116</td>
<td>PUSH-TO-C-CONNECT TAP/DIP, 3/8 TUBE OD X 1/4 NPT MALE</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>5106K48</td>
<td>PUSH-TO-C-CONNECT TAP/DIP, 3/8 TUBE OD</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>5111K24</td>
<td>PUSH-TO-C-CONNECT TAP/DIP, 3/8 TUBE OD X 1/4 NPT MALE</td>
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<td>H718K72</td>
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<tr>
<td>7</td>
<td>25D X ,380 D CLEAR POLY TUBE - 5</td>
<td>25D X ,380 D CLEAR POLY TUBE - HC #5648K71</td>
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</tr>
<tr>
<td>8</td>
<td>25D X ,380 D CLEAR POLY TUBE - 2</td>
<td>25D X ,380 D CLEAR POLY TUBE - HC #5648K71</td>
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<td>9</td>
<td>25D X ,380 D CLEAR POLY TUBE - 3</td>
<td>25D X ,380 D CLEAR POLY TUBE - HC #5648K71</td>
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<td>25D X ,380 D CLEAR POLY TUBE - 4</td>
<td>25D X ,380 D CLEAR POLY TUBE - HC #5648K71</td>
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<td>11</td>
<td>25D X ,380 D CLEAR POLY TUBE - 5</td>
<td>25D X ,380 D CLEAR POLY TUBE - HC #5648K71</td>
<td>1</td>
</tr>
<tr>
<td>12</td>
<td>600-01621-01</td>
<td>BRACKET COMP CONNECTOR DLX/P</td>
<td>1</td>
</tr>
<tr>
<td>13</td>
<td>5105K5</td>
<td>PUSH-TO-C-CONNECT TAP/DIP, BRASS 3/8</td>
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</tr>
</tbody>
</table>

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**Deluxe-Frassic Park-Motion Manifold Assembly**

<table>
<thead>
<tr>
<th>Item NO.</th>
<th>Part Number</th>
<th>Description</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>600-01517-01</td>
<td>Bracket - CKD Manifold &amp; Valves</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>MAN-8330-SB-08-DC-14V</td>
<td>MANIFOLD - 8330</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>121312</td>
<td>Noise Reduction Muffler (3/8 NPT MALE)</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>5778K109</td>
<td>PUSH-TO-C-CONNECT TAP/DIP, 3/8</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>5578K231</td>
<td>Medium-Pres. Brass Tapped Pipe Fitting, 3/8 MALE X 1/4 FEMALE-HEX REDUCING BRUSH</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>5078K221</td>
<td>STEEL HEX SOCKET PLUG - 3/8</td>
<td>4</td>
</tr>
<tr>
<td>7</td>
<td>5778K111</td>
<td>PUSH-TO-C-CONNECT TAP/DIP, 3/8 TUBE X 3/8 NPT MALE/NYLON</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>44405K233</td>
<td>STEEL HEX SOCKET PLUG - 3/8 NPT</td>
<td>2</td>
</tr>
</tbody>
</table>
### Deluxe Jurassic Park Motion

**Motor Controller PC-B Assembly**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>500-0044-01</td>
<td>Motion Control PC-B</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>600-02618-01</td>
<td>MOTOR CONTROL PC-B BRACKET</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Cable Clamp, 750</td>
<td>Cable Clamp, 84&quot; Screw mount</td>
<td>4</td>
</tr>
</tbody>
</table>

### Deluxe Jurassic Park Motion

**AC Inlet Plate Assembly**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>600-01384-01</td>
<td>AC Double-Inlet Plate</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Power Inlet Receptacle IEC Appliance Inlet</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Screw-on Mounting, Front Side, Quick-connect, 15A</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>69-611-10A</td>
<td>10A Circuit Breaker, Snap-In type,</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fuselholder style, 1 pole (Schurter #4404.0004)</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>69-611-5A</td>
<td>5A Circuit Breaker, Snap-In type,</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fuselholder style, 1 pole (Schurter #4404.0007)</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Ring and Spade Terminals</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ring and Spade Terminals</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Terminal #8 Screw</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>1832-33-12</td>
<td>AC-5626HC-15AMP-125V-HELIX ELECT</td>
<td>2</td>
</tr>
</tbody>
</table>

### Deluxe Jurassic Park Motion

**AMP PC-B Assembly**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>500-03517-01</td>
<td>SURE-AMP PC-B BRACKET</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>500-00059-01</td>
<td>SURE-AMP BOARD</td>
<td>1</td>
</tr>
</tbody>
</table>
## Motion Maintenance

<table>
<thead>
<tr>
<th>Interval</th>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily / Often</td>
<td>Inspect safety bellows.</td>
<td>Make sure the safety bellows are fully secured and are not damaged (cuts, breaks, etc.) in any way.</td>
</tr>
<tr>
<td></td>
<td>Inspect cabinet ventilation.</td>
<td>Verify that all cabinet fans are running. Verify that no obstructions block the ventilation fans or holes.</td>
</tr>
<tr>
<td></td>
<td>Inspect leg levelers.</td>
<td>Verify that all leg levelers are fully extended and that the cabinet is secured in place.</td>
</tr>
<tr>
<td></td>
<td>Inspect motion platform fasteners.</td>
<td>Verify that no fastener on the motion platform is loose.</td>
</tr>
<tr>
<td></td>
<td>Inspect cabinet AC power cords.</td>
<td>Inspect the power cords for cracks or other issues, replace if any abnormalities. Verify that the AC power cords are fully seated in the cabinet AC plug receptacles.</td>
</tr>
<tr>
<td>Weekly</td>
<td>Discard water in drip tray.</td>
<td>If in a humid location (&gt;50%RH), you may need to empty the drip tray more often. Do not let drip tray overflow!</td>
</tr>
<tr>
<td></td>
<td>Verify pressure settings.</td>
<td>Verify that the digital pressure gauge (test menu) matches the analog gauge on the filter/regulator. Verify that the filter/regulator pressure is within the acceptable range.</td>
</tr>
<tr>
<td></td>
<td>Verify automatic compressor water discharge solenoid.</td>
<td>When the solenoid opens, you will hear a loud burst of air expelled into the drip tray.</td>
</tr>
<tr>
<td></td>
<td>Verify &quot;Motion Stop&quot; button.</td>
<td>Using the test menu, verify that the &quot;Motion Stop&quot; button is working properly.</td>
</tr>
<tr>
<td></td>
<td>Inspect all cabinet fasteners.</td>
<td>Verify that no fasteners are loose.</td>
</tr>
<tr>
<td>Every 6 Months</td>
<td>Inspect compressor air intake filter - replace as needed.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inspect filter/regulator filter - replace as needed.</td>
<td></td>
</tr>
<tr>
<td>Every 12 Months</td>
<td>Replace compressor air intake filter.</td>
<td>Replace if 12 or more months have elapsed since last replacement.</td>
</tr>
<tr>
<td></td>
<td>Service filter/regulator.</td>
<td>Replace filter and clean plastic water bowl if 12 or more months have elapsed since the last servicing.</td>
</tr>
<tr>
<td></td>
<td>Inspect compressor, repair as needed.</td>
<td>See the guide: “Troubleshooting - Compressor Inspection”</td>
</tr>
</tbody>
</table>
DELUXE MOTION MODEL

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