

AUTON™

MOTORIZED SYSTEMS

INSTALLATION INSTRUCTIONS

PLASMA LIFT
(SWIVEL SERIES)

1001-PS

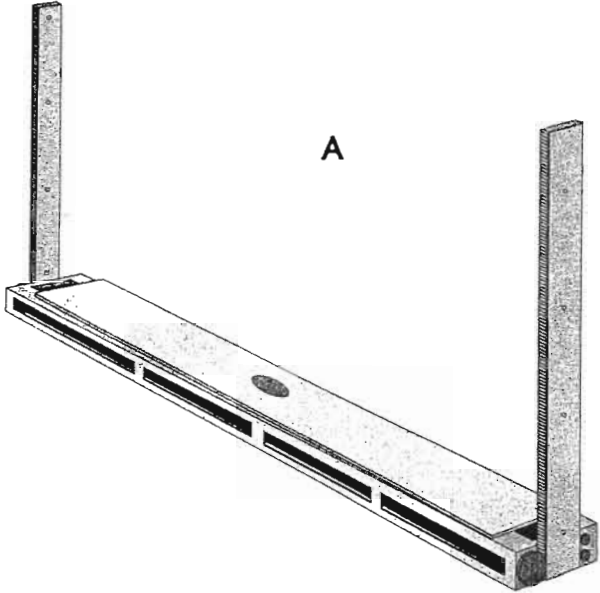


PLASMA SWIVEL INSTALLATION INSTRUCTIONS

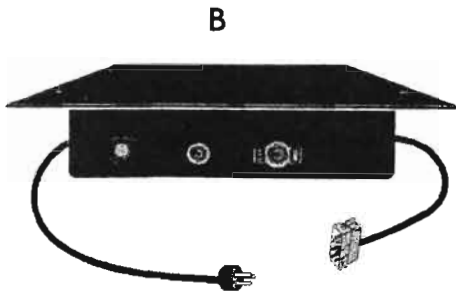


Included Parts:

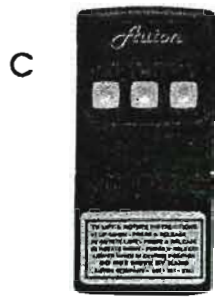
- (A) 1 Fully Assembled Plasma Swivel Unit
- (B) 1 Electronic Control Box
- (C) 1 3 Button Transmitter



A



B



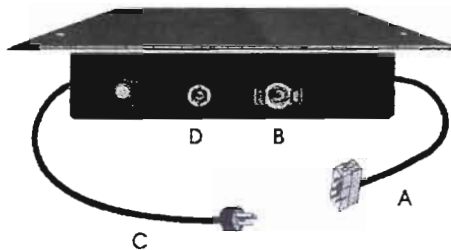
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CONNECT AND TEST YOUR AUTON PLASMA SWIVEL UNIT

If you ordered your AUTON Plasma Swivel System with an optional LV56-SWL electronic box, please see page (6) for connectivity and testing instructions.

If you ordered the standard electronic box with your AUTON Plasma Swivel System, follow the instructions below to connect and test the unit prior to completing the installation.

1. Position the unit on a flat surface.
2. Connect the moxex cord (A) from the e-box to the moxex connector on the drop down unit.
3. **Position toggle switch (B) on e-box to the "OFF" position.**
4. Plug power cord (C) into 115 VAC outlet.
5. Use the override toggle switch (D) located next to the "ON/OFF" switch to move the lift up and down. It's important to note that the override switch will not function when the "ON/OFF" is set to the "ON" position.
6. After testing the unit's operation by using the override toggle switch, return the "ON/OFF" switch to the "ON" position. You can then use the remote control to operate the unit normally.
IMPORTANT: When using the remote, the vertical motion of the main unit is disabled if the swivel plate is not centered.



NEVER operate the unit using the toggle switch when the **swivel plate is not centered**. You will damage the unit and the cabinet!

MAKE CERTAIN ALL WIRES ARE ROUTED AWAY FROM GEARS AND RACK!

DO NOT OPERATE THE UNIT WHILE HANDS ARE IN CLOSE PROXIMITY TO MOVING PARTS!

PLASMA SWIVEL INSTALLATION

Installing the AUTON Plasma Swivel system is easy. Although the unit is manufactured using the highest quality steel and superior welded construction, take care not to drop the unit or jar it abruptly by inadvertently hitting walls, ceilings, framing, and/or other objects and obstructions.

IMPORTANT: Be sure to remove top crossbar after installation is complete. **DO NOT MOVE THE SWIVEL WITHOUT USING AN ELECTRICAL TRIGGER - YOU WILL DAMAGE THE MOTOR AND DRIVE SYSTEM.**



Always ensure that adequate safety measures have been taken so that installers do not subject themselves to injury during installation.

Position the unit in the cabinet so the side rails are flush with the inside walls of your cabinet.

2. Mount to the inside of the cabinet through the pre-drilled holes in the side rails.

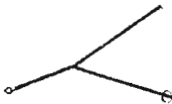


3. Remove installation cross bar and mount your box securely to the platform.



If not properly installed, loose wires can get caught in the gears and cause damage to your unit. Use one of the options below to safely secure the wires and cables.

SPRING METHOD



Use a light spring mounted at the bottom back of the cabinet to gently pull wires clear.

HINGED METHOD



Connect the wires to hinged pieces of wood allowing the wires to fold clear of the gears.

ABOUT THE PLASMA SWIVEL MOTOR AND LIMIT SWITCHES

Your AUTON Plasma Swivel system uses an electric motor and limit switches to control the up/down/swivel/operation of the unit.

Limit switches are preset at the factory for optimal positioning and performance. It is **NOT RECOMMENDED** THAT THE SWITCHES BE RESET. However, if you **MUST** reset the switches, follow the instructions below.

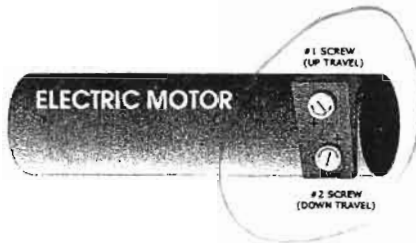
When facing the front of the unit, the two (2) limit switch adjusting screws are located on the right side of the motor.

Turn the #1 screw clockwise (+) to increase the up travel. Turn counterclockwise (-) to decrease the down travel.

Before decreasing "up" or "down" travel, run the lift in opposite direction for approximately 6" and stop.



When adjusting the limit switches, turn the adjusting screw in very small increments so that over-adjustment doesn't occur. Each full turn of the adjusting screw equals 3/8" in travel.



INSTALLATION TELEPHONE SUPPORT

We take great pride in knowing that we manufacture the best lift systems in the world. Our design and production techniques enable you to easily install your system. However, we realize that unexpected issues sometimes arise. In the event that you require assistance, don't hesitate to call one of our technicians. They'll be happy to answer any of your device related questions and will solve whatever problems you may encounter during installation and/or testing.

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ELECTRONIC TRIGGER OPERATION

Depending on what type of electronic box that you ordered with your AUTON Plasma Swivel System, it's important to know that there are (3) methods of operating the unit by remote. For operating your system with home automation systems such as Crestron or AMX, please see page six (6).

BASIC TRANSMITTER OPERATION

To move the main unit up and down, press the left button on the handheld transmitter for approximately 3 seconds and release. After the unit has reached its maximum height, use the center button for left swivel operation and the right button for right swivel operation. The swivel motion will continue until the swivel plate reaches 180° from the center position. To stop the swivel motion at any time, repress the button.



1. IR Operation

Operating the unit using the IR method involves using the hand-held transmitter and a user-installed electronic eye. The electronic eye and the transmitter must have an unobstructed view of each other in order to operate correctly.

2. RF Operation

Operating the unit using the RF method is the same as operating under the IR conditions except that the remote control doesn't need to be aimed at an electronic eye.

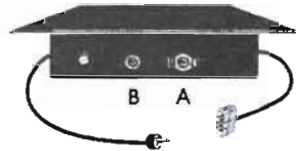
3. Crestron and AMX TouchScreen Systems

If you ordered the LV56-SWL electronic box, please see page six (6) for connectivity and testing instructions.

OVERRIDE SWITCH

This system is equipped with AUTON's unique "override" switch. If the transmitter is damaged or misplaced, the lift can be raised and lowered using the override switch. Just switch the box to the "OFF" position (A) and operate the unit with the adjacent toggle switch (B). **IMPORTANT:**

After switching to the "OFF" position, wait 20 seconds for the box to rest. Switch back to the "ON" position to once again operate the unit with the remote control.



NEVER operate the unit using the toggle switch when the swivel plate is not centered. You will damage the unit and the cabinet!

LV56-SWL TESTING

To test the LV56-SWL for use with a home automation TouchScreen system such as Crestron or AMX, follow the instructions below*.

Use the small test box before wiring the LV56-SWL to your TouchScreen System. Be sure that you understand all the functions including up, down, swivel left, swivel right, and center stop.

To raise/extend the platform, press "up/down" button (1 second) until unit starts to move. Release the button. Unit will automatically stop when it reaches its fully extended position. At any point during platform movement, press the button to stop. Pressing the button again will reverse the direction of the movement. Once the platform is fully extended, you can use the swivel operation.



For left swivel, press and release the "swivel left" button. To stop the motion at any point, press the button again.

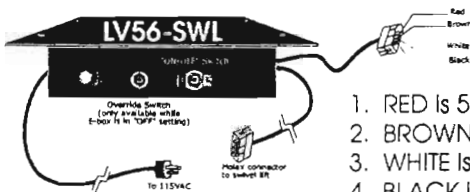
For right swivel, press and release the "right swivel" button. To stop the motion at any point, press the button again.

If a button is not pressed during the swivel motion, the motion will continue until the swivel platform reaches either (a) 180° position from center or (b) the normal center position.

When you are ready to connect the LV56-SWL to your home automation system, remove the test box and use the supplied cable with 4 prong plug to connect to your TouchScreen system.



LV56-SWL CONNECTIVITY



1. RED Is 5 VDC
2. BROWN Is up/down - requires one pulse only
3. WHITE Is swivel left - requires one pulse only
4. BLACK Is swivel right - requires one pulse only



NEVER operate the unit using the toggle switch when the **swivel plate is not centered**. You will damage the unit and the cabinet!

*Contact your home automation contractor for technical support with your Crestron or AMX System. AUTON Motorized Systems does not provide support beyond the scope of its own products.

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MOTORIZED SYSTEMS

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