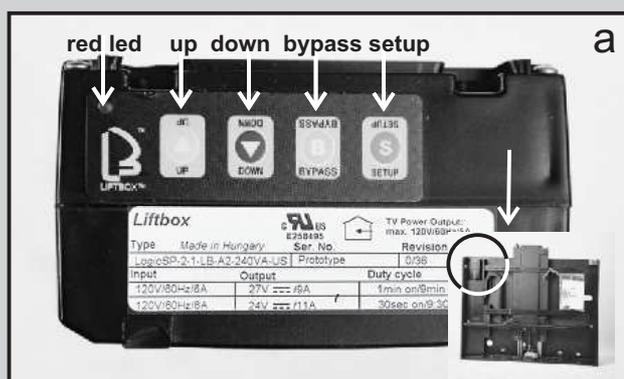


VIEWING POSITION / PROGRAMMING THE REMOTE CONTROL / BYPASS



The power supply box, located in the top left rear corner of the unit, has the following features:

- Viewing position adjustment
- Remote control programming
- Bypass
- Manual up and down controls



Programming the viewing position

The “Viewing Position” is the position that the television will be in for optimal viewing. Once programmed, pressing the “Up” button for *less than two seconds*, will raise the Lift Mechanism, automatically, to the programmed viewing position. By pressing the “Up” button for *more than two seconds*, the Lift Mechanism stops after the button is released.

STEP 1 - To program the viewing position of the television, press the “Setup” and “Up” buttons on the control unit, simultaneously and for at least 3 seconds, until the red LED flashes.

STEP 2 - Press the “Up” button, on the control unit, to raise the television to the desired height (clear of any obstructed view).

STEP 3 - With the television in the desired viewing position, press the “Setup” button, on the control unit. The final viewing position is now set.



Programming the Remote Control

STEP 1 - To program the remote control, press the “Setup” and “Down” buttons on the control unit, simultaneously and for at least 3 seconds, until the red LED turns off.

STEP 2 - Press any button on the remote control. If the control unit recognizes the remote control, the red LED will light for one second.

STEP 3 - Press the “Setup” button on the control unit to exit programming mode and return to normal operation mode.



Entering Bypass Mode

Should the Lift Mechanism experience damage to the safety shelf, it will shut down the Control Unit to avoid any movement, which may cause injury and further damage. This section will guide you through the steps involved in bypassing a damaged safety mechanism in order to *temporarily* continue usage of the lift until a service person arrives

STEP 1 - To enter bypass mode, press the “Setup” and “Bypass” buttons on the control unit, simultaneously and for at least 3 seconds, until the red LED flashes.

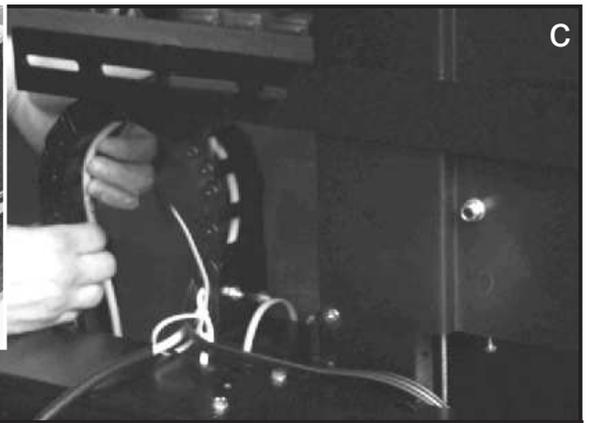
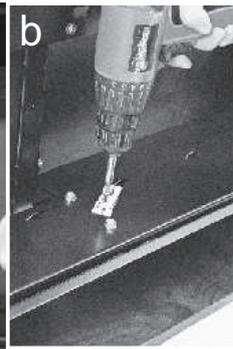
STEP 2 - Simultaneously press the “Bypass” button along with either the “Up” or “Down” buttons, on the control unit, to position the television.

STEP 3 - Press the “Setup” button on the control unit, to exit bypass mode and retain the current viewing position.

CAUTION!

Although the following section explains how to bypass the safety device, it is **NOT recommended** due to the potential for injury while operating the lift in this mode.

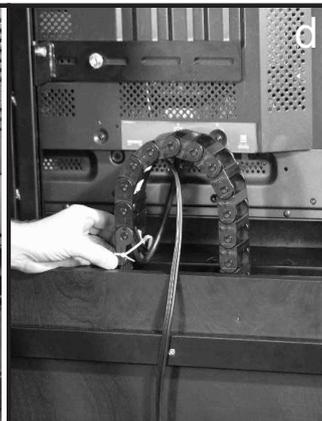
TV BACK INSTALLATION



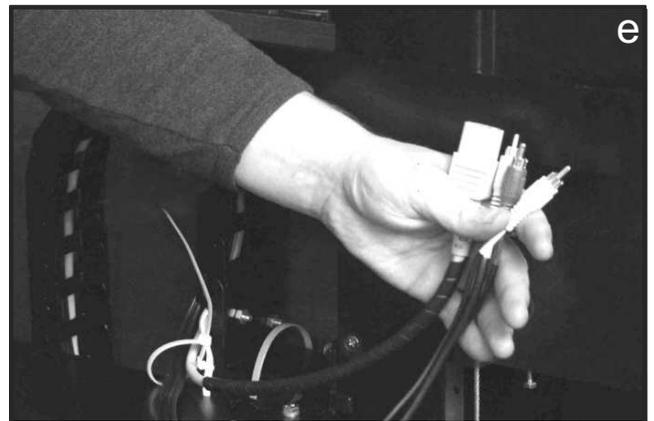
CAUTION:

- if your TV width is less than 46 1/2" remove the two yellow transit screws
- if your TV width is greater than 46 1/2" remove the two yellow and the four red transit screws

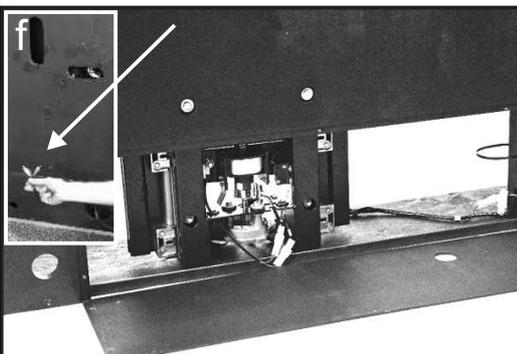
CAUTION: make sure the TV wires are installed in the LIFTBOX™ before installing the TV!



Feed the wires through the slotted fingers in the wire management chain (as shown in pictures c and d), largest diameter first.



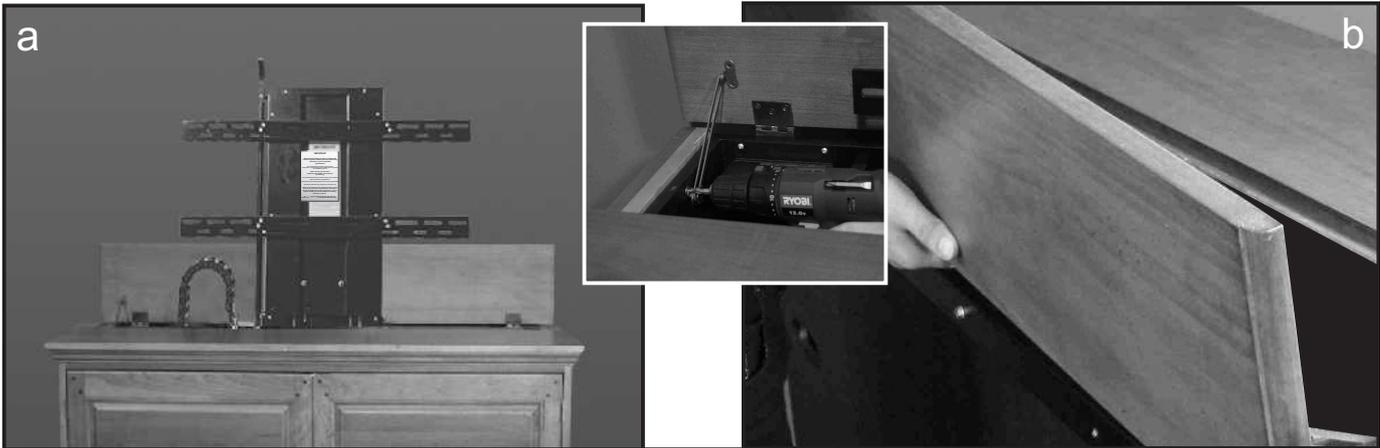
Prepare the cables for connection into the TV (as shown above).



Remove the back panel section. All TV cables, after exiting from the lower end of the wire management chain should be wire-tied to the base of the wire management chain and then moved outside the back panel of the LIFTBOX™ using the small round hole (as shown above). Close the back panel section.

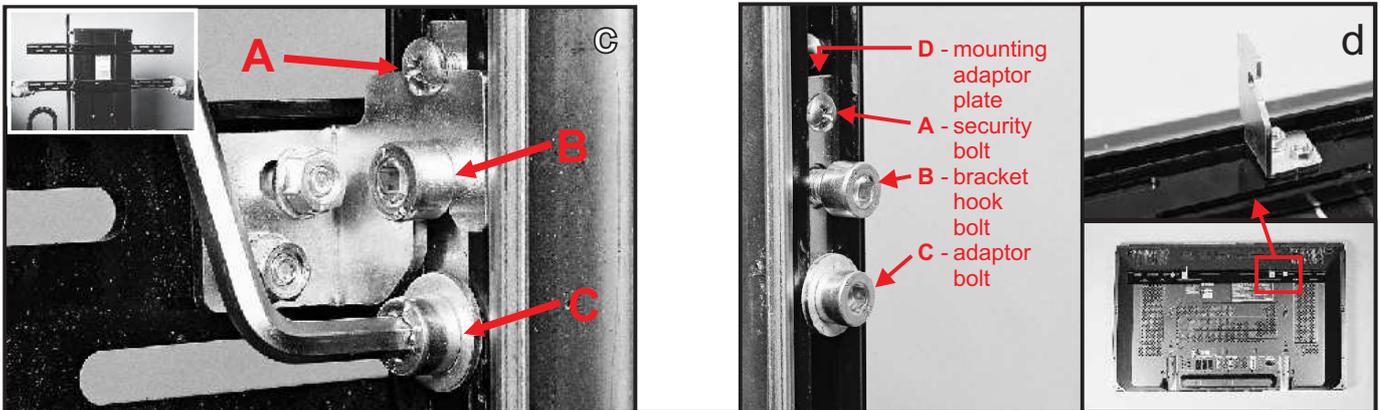
Feed the TV power cord through the slotted fingers in the wire management chain. At the bottom end of the plastic portion of the wire management channel you will find a round hole. Push the plug with the cable inside the power supply channel. Using your other hand, pull up the power cord out of power supply channel and then connect it to the electrical socket on the bottom of the power supply box (as shown in CONNECTING TV POWER CORD section of this manual, page 11)

TV BACK INSTALLATION



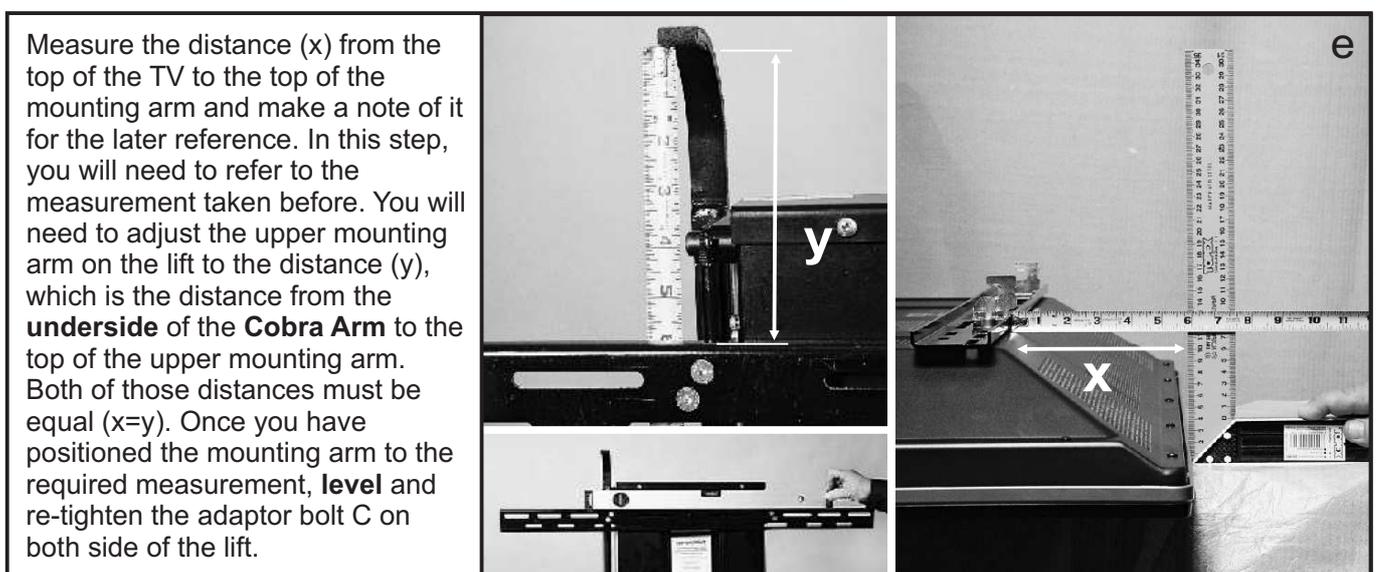
Disconnect the motion lid support from the top. Slowly tilt the lid towards the back until it stops. This option allows easy access when installing the TV.

LET THE LID DROP BACK SLOWLY TO AVOID BENDING THE HINGES.



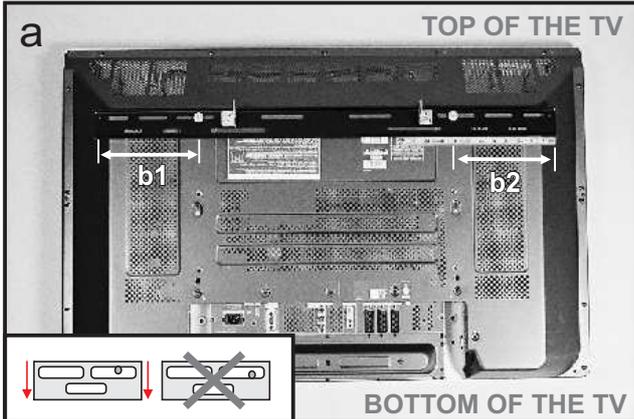
In this step, you will need to remove the lower Mounting Arm from the lift. To do so, you will need to unscrew the security bolt A from both sides (put them aside for later use). Then loosen the bracket hook bolt B and remove the lower mounting arm (put it aside). Now loosen the adaptor bolt C and lower the mounting adaptor plate D. Attach the mounting arm to the upper mounting holes on the TV.

A - security bolt, B - bracket hook bolt, C - adaptor bolt, D - mounting adaptor plate



Measure the distance (x) from the top of the TV to the top of the mounting arm and make a note of it for the later reference. In this step, you will need to refer to the measurement taken before. You will need to adjust the upper mounting arm on the lift to the distance (y), which is the distance from the **underside** of the **Cobra Arm** to the top of the upper mounting arm. Both of those distances must be equal ($x=y$). Once you have positioned the mounting arm to the required measurement, **level** and re-tighten the adaptor bolt C on both side of the lift.

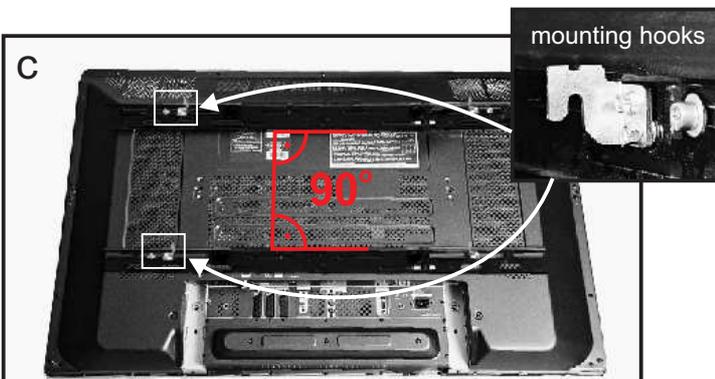
TV BACK INSTALLATION



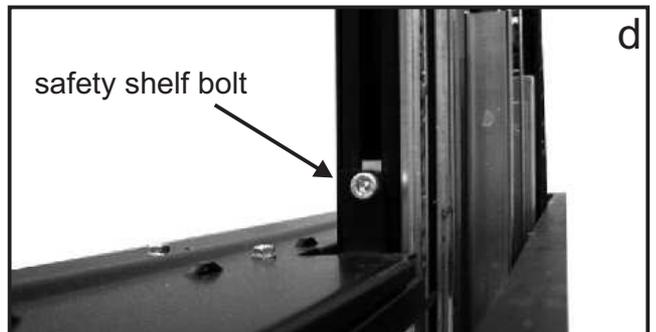
CAUTION: Before tightening the mounting arm make sure that the distance between the bolt and the outside edge of the mounting arm are equal ($b1=b2$). When installing the mounting arms, apply downward pressure on the arms while tightening the bolts.



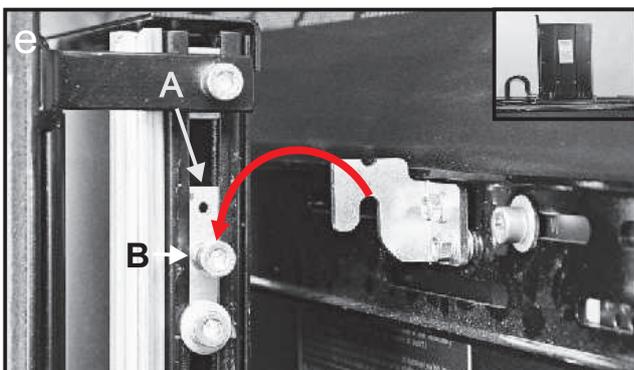
Now remove the remaining upper mounting arm the same way you removed the lower one and install it to the rear lower mounting hole on the TV.



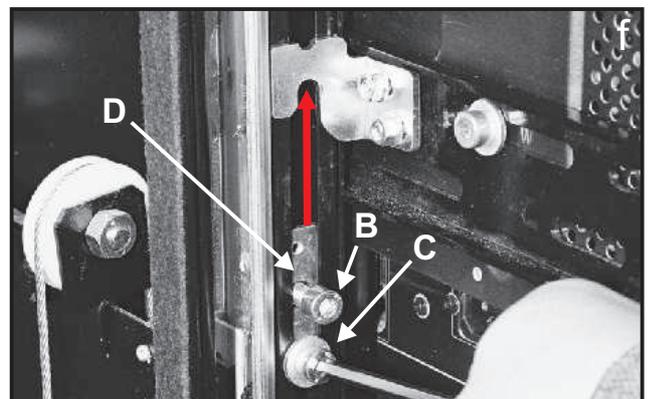
Now center the mounting arm on the TV using a square to align mounting hooks on the bracket. Once you have centered the mounting hooks to the required measurement and alignment, tighten the bolts by using the hex nuts and washers supplied with the TV. Remember to apply downward pressure on the arms while tightening the bolts.



Using the supplied 6 mm hex wrench (allen key), loosen the two bolts that attach the Safety Shelf to the lift and be sure that it does not come off its track. Next, position the Safety Shelf at its lowest point and tighten. **DO NOT REST THE TV ON THE SAFETY SHELF OR YOU WILL RISK DAMAGING THE SAFETY MECHANISM!**

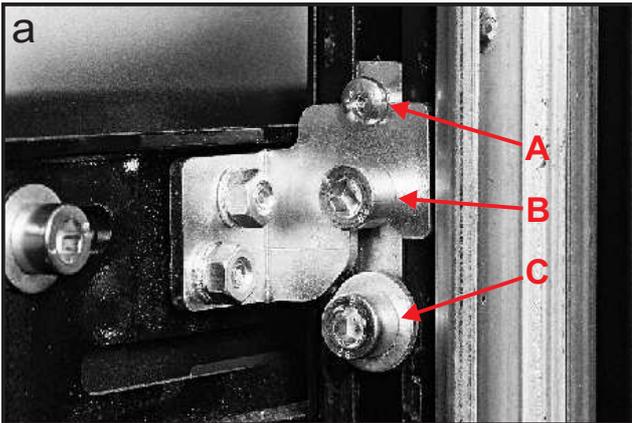


Now lift the TV and position its mounting hooks over the extended bracket hook bolt B. Then easily lower and rest the hooks over the bolts B. **DO NOT rest the TV on the Safety Shelf or you will risk damaging the safety mechanism!** Now tighten the security bolt (A) and bracket hook bolt (B).

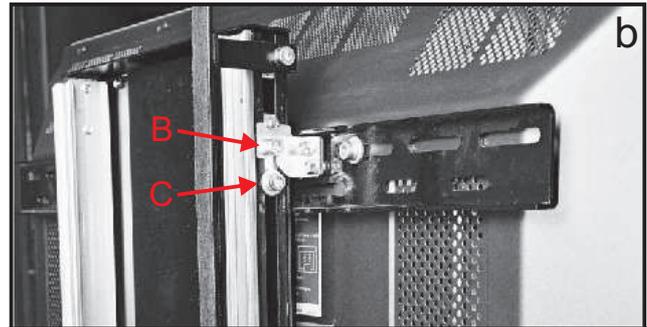


Now you will need to raise the lower mounting adaptor plate D to connect with the hooks on the lower mounting arm. Once you have made this adjustment, tighten all the bolts A, B and C. Do the same on the other side. **Double check after tightening.**

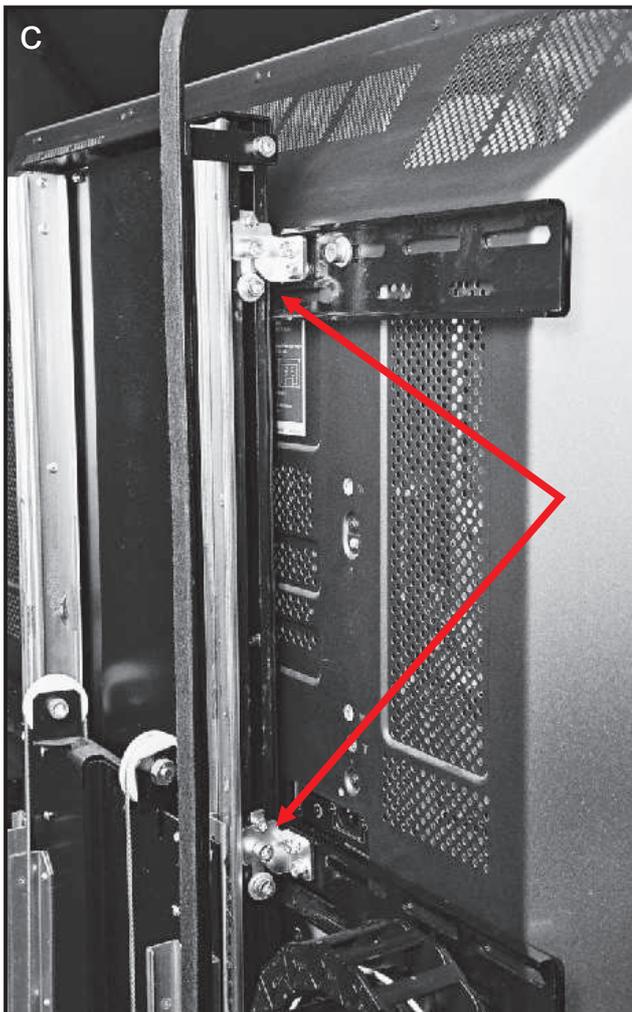
TV BACK INSTALLATION



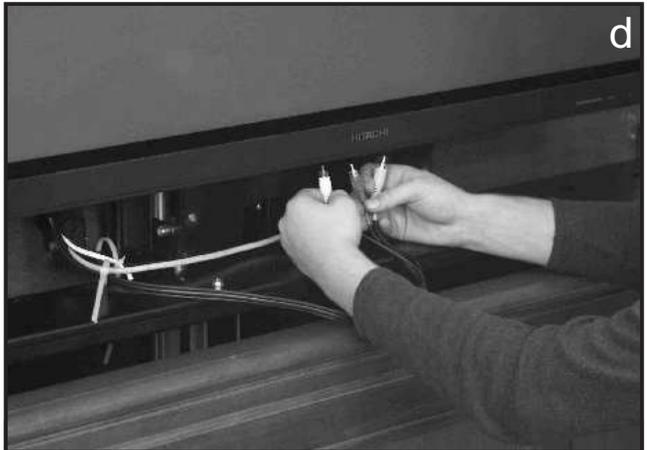
CAUTION:
MAKE SURE THAT ALL BOLTS ON THE BOTH SIDES OF THE LIFT ARE TIGHTENED SECURELY. DOUBLE CHECK.



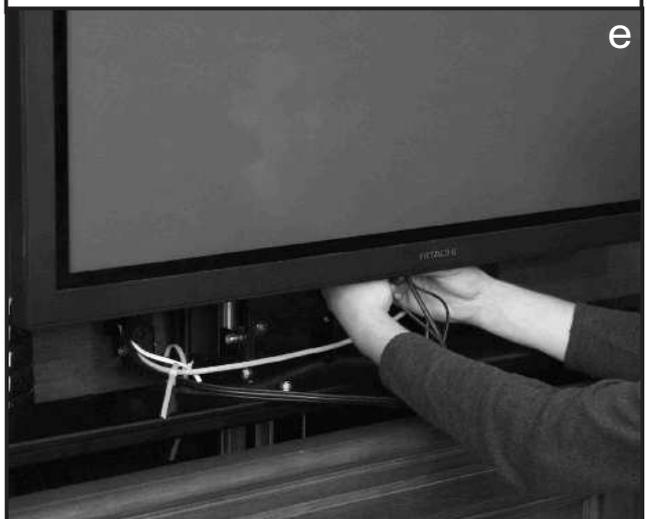
This lift mechanism works best when the majority of the TV weight is transferred to the lower mounting arm. To allow the TV to settle and to remove the stress from the upper mounting arm, you must loosen both upper mounting bolts B and C on each side of the lift. Once they are both loosened, you can re-tighten them in place.



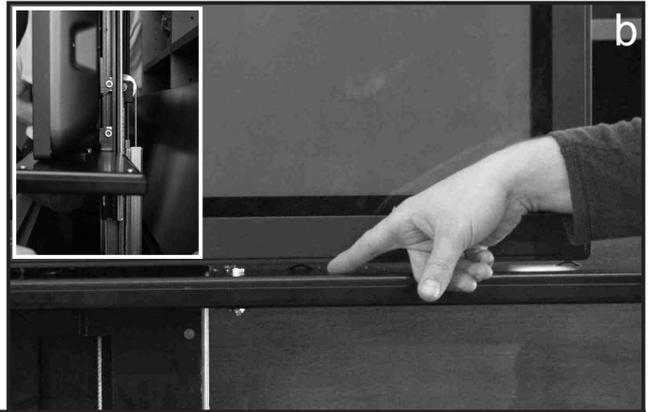
CAUTION:
MAKE SURE THAT BOTH MOUNTING ARMS ARE SECURELY ATTACHED TO THE LIFT!
NOW YOUR TV IS INSTALLED.



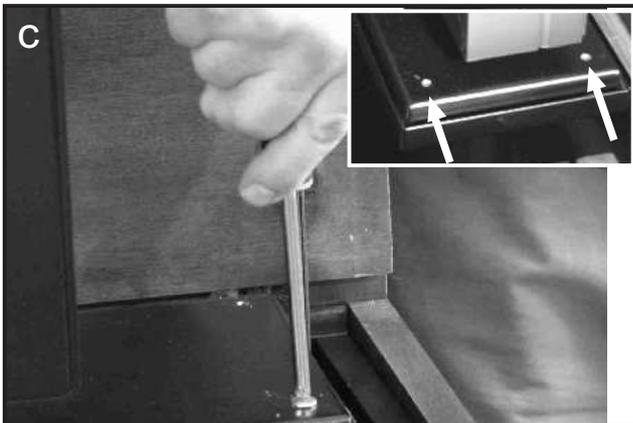
Connect all the television cables and the power cord before raising the safety shelf.



TV BACK INSTALLATION



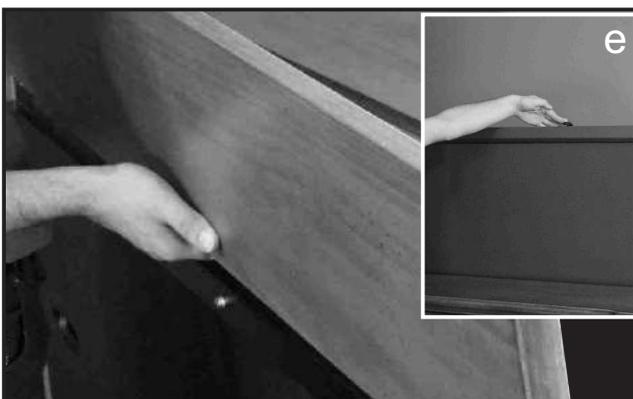
Loosen the bolts that secure the metal safety shelf. Raise the shelf as close as possible to the bottom of the TV and level it. Then tighten the bolts. **PRESSURE ACTIVATED EMERGENCY STOP:** The safety shelf is constructed of two parts with limit switches inside. Very slight pressure to the bottom side of the shelf will stop the lift. Should a foreign object or wiring obstruct the downward cycle, the lift will stop; preventing damage to the lift or the obstruction.



NOTE: For an installation of 46 1/2" wide TV remove the four screws which are marked red in each corner of the safety shelf. THIS WILL ACTIVATE YOUR SAFETY SHELF.



Once the safety shelf is activated it prevents accidents from happening, as shown in the picture above.

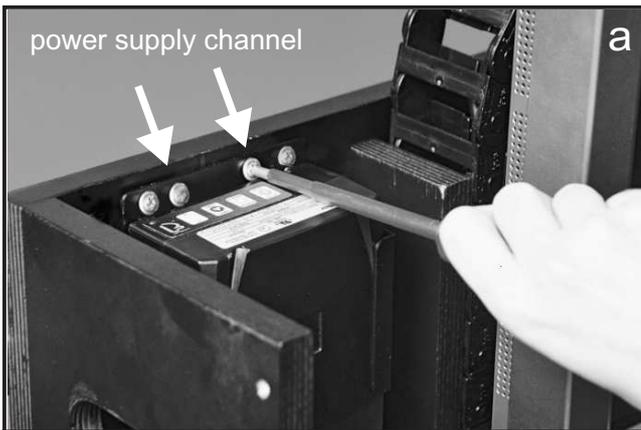


Connect back the motion lid to the back of the LIFTBOX™.
Make sure that the top of the television is not above the cobra arm.

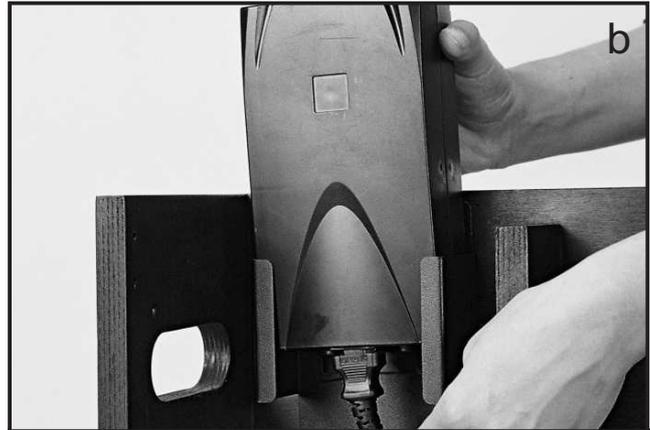


Your TV back installation is complete.

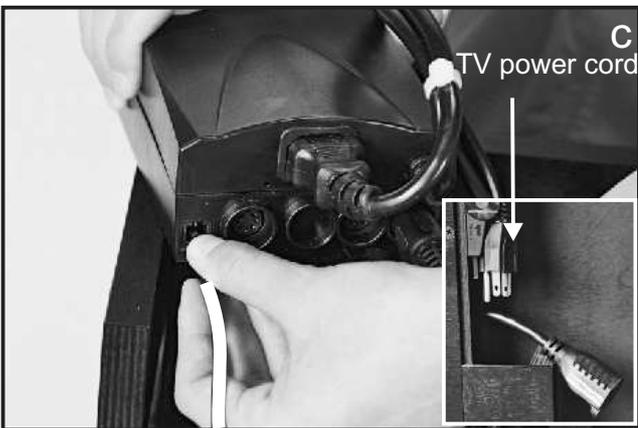
TROUBLESHOOTING / POWER SUPPLY REPLACING



Using a Philips screwdriver, loosen and remove the two screws at the top of the control unit. Place the screws aside to be reused later.



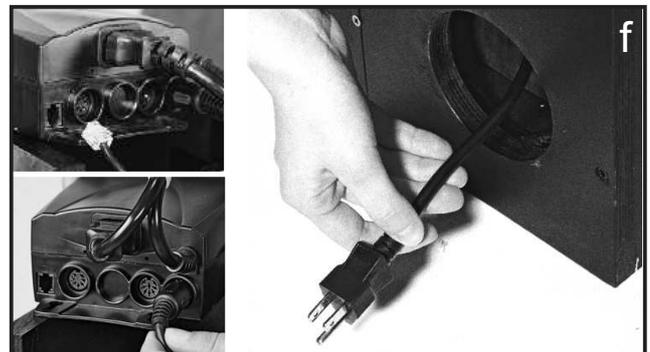
Lift the control unit out of the mounting bracket by sliding it upwards (as shown in the image above).



Unplug the television power cord and the white safety shelf cable with the RJ24 connector.

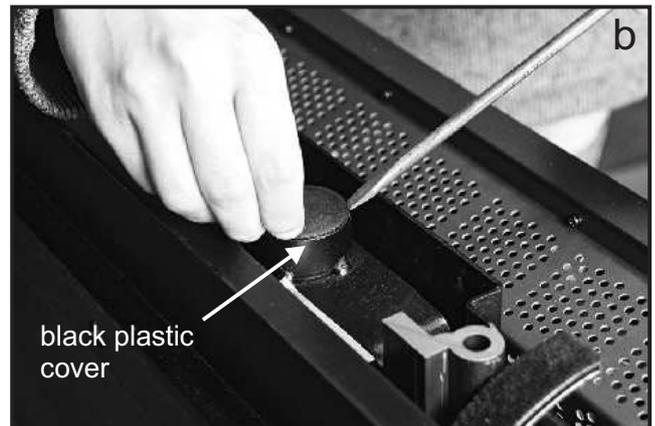
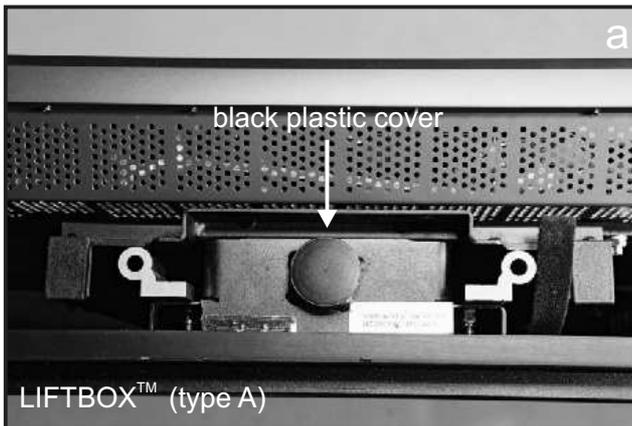


Remove the old (broken) power supply box with its own power cord out of the power supply channel.

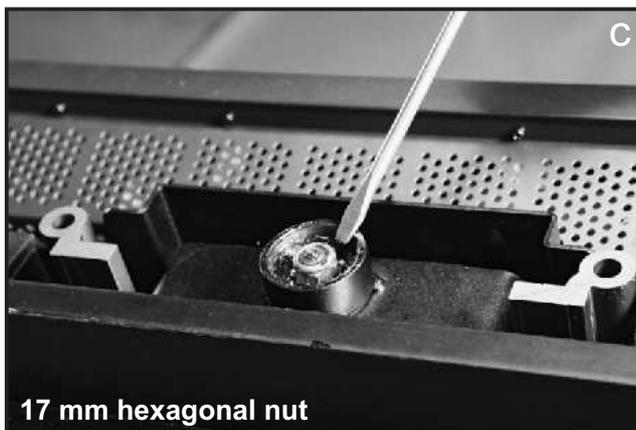


Prepare the new power supply box by connecting all of the cables, which you disconnected in the previous step, in their appropriate locations.
Install the new power supply box into its mounting bracket by sliding it down.
Using a Phillips screwdriver, replace the previously removed screws at the top of the power supply box.
Feed the new control unit power supply cord out of the rear of the cabinet and plug it into an appropriate outlet.
A surge protector is recommended and can be purchased at most Electronics Stores and Home Centers.

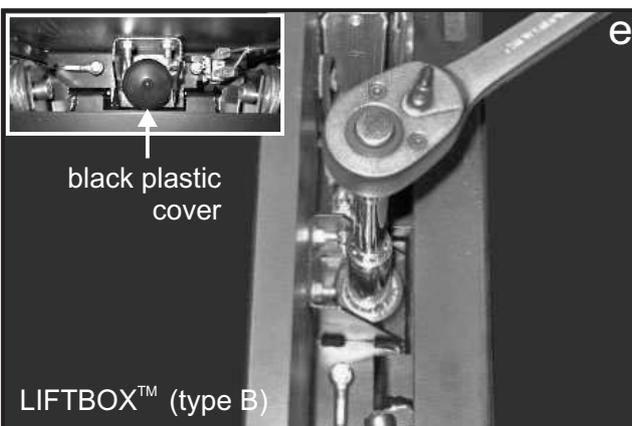
TROUBLESHOOTING / EMERGENCY / MANUAL LIFTING



In case of an emergency (lift malfunction or stuck in the down position with the TV on) there is a way to bring the television up for safe removal from the lift before the LIFTBOX™ gets exchanged. In order to get this done please find a black plastic cover on the top of the lift device (usually located next to the lift serial number). Remove the black plastic cover gently.



After removing the cover inside the metal channel you will find a 17 mm hexagonal nut. Using a 17 mm socket wrench with extension turn the nut clockwise (as shown in picture d and e).



With every turn the lift will raise slowly.
CAUTION ! MANUAL LOWERING IS NOT POSSIBLE - THE TV WILL REMAIN IN THE UP POSITION UNTIL THE SERVICE ARRIVAL !

ADDITIONAL MOUNTING ACCESSORIES



Control box for LIFTBOX™
type A1:
AC/CB - 001/A1
Control box for LIFTBOX™
type A2:
AC/CB - 001/A2
Control box for LIFTBOX™
type B1:
AC/CB - 001/B1
Control box for LIFTBOX™
type B2:
AC/CB - 001/B2



Radio frequency remote
(2 channels): AC/RRC - 003



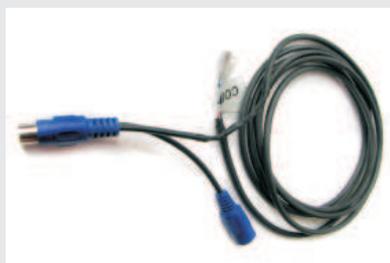
Infrared remote control
(2 channels): AC/IRC - 006



Infrared receiver:
AC/IRR - 007



Programming cable RS232:
AC/RS232 - 008



Split cable with contact closure:
AC/SPC - 009

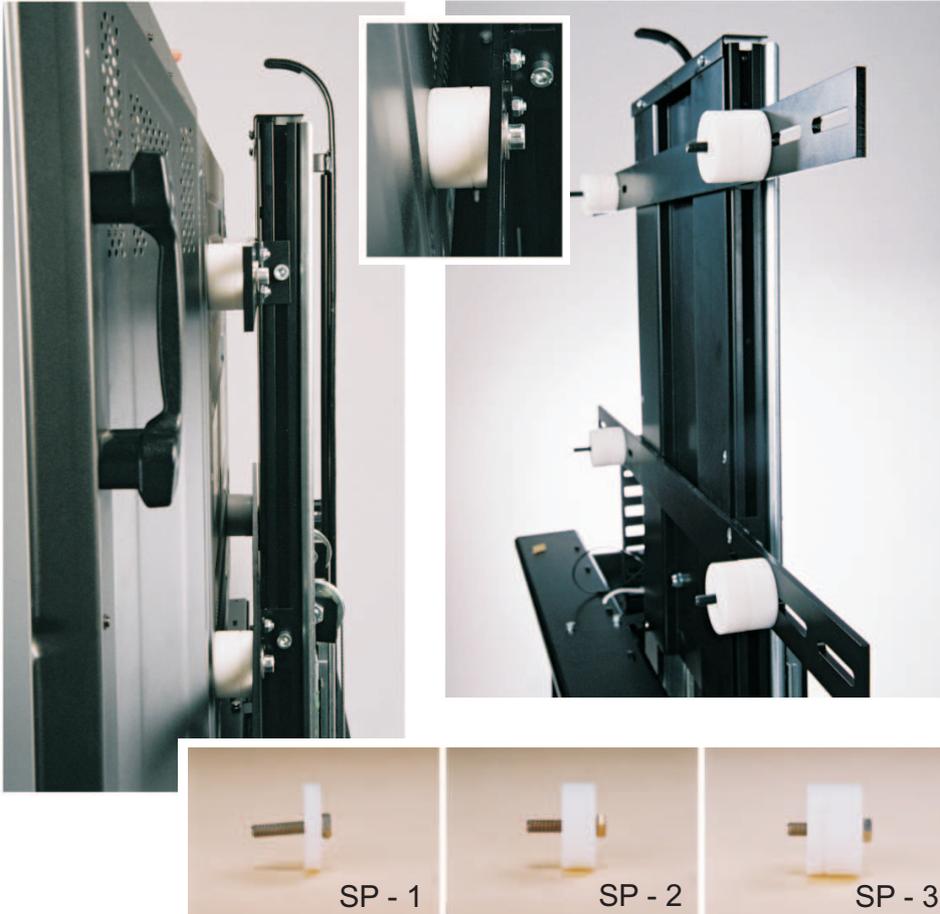


Contact closure cable:
AC/CC - 010



Manual handset:
AC/MH - 011

ADDITIONAL MOUNTING ACCESSORIES

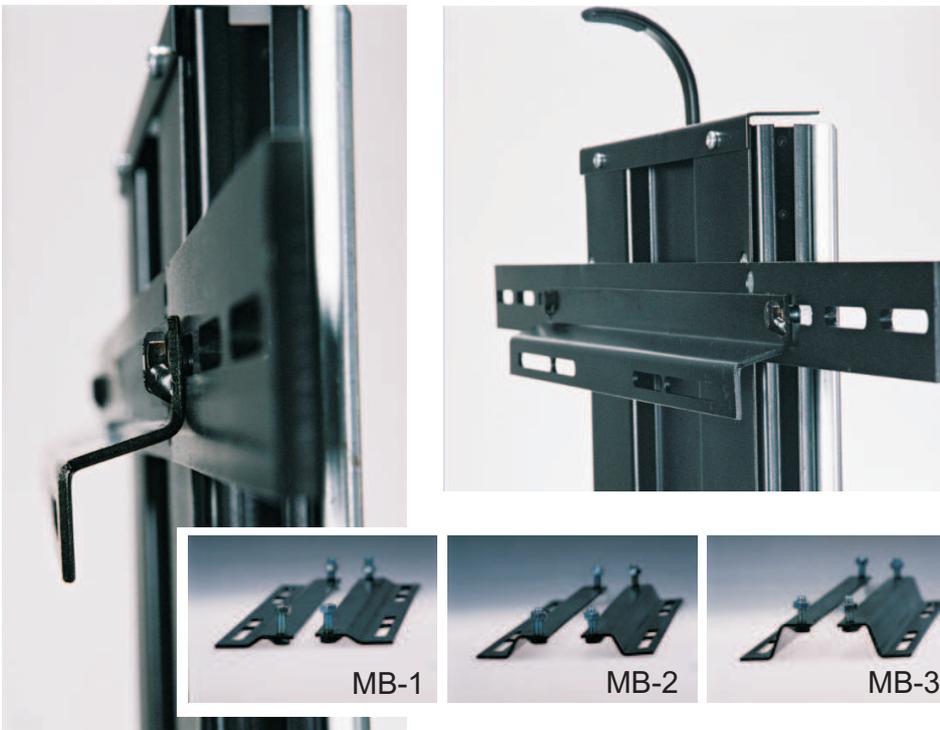


SPACERS :

part #

- SP-1 thickness
(10 mm = 0.4 inches)
- SP-2 thickness
(20 mm = 0.8 inches)
- SP-3 thickness
(30 mm = 1.2 inches)

This part is recommended for televisions with a curved back or with difficult access for cable connections.



MOUNTING BRACKETS :

part #

- MB-1 thickness
(10 mm = 0.4 inches)
- MB-2 thickness
(20 mm = 0.8 inches)
- MB-3 thickness
(30 mm = 1.2 inches)

This part is recommended for televisions with horizontal distance between TV mounting screws less than 15 inches.

To place an order or for more information e-mail : service@liftbox.com.pl or service@elkomax.com