**MTI 525 Service and Parts Manual**
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# Parts and Service Instructions for MTI 525S/P Podiatry



# MTI Model 525/524 Back Motor Replacement

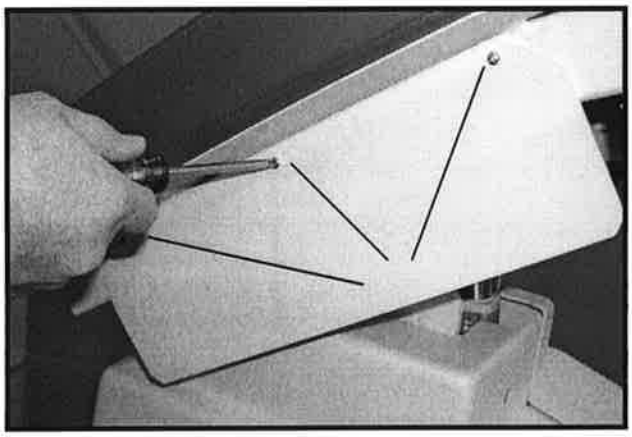


Figure 1

Put the chair seat in full tilt. Remove the three phillips head machine screws holding both of the chair side panels on, (figure 1).

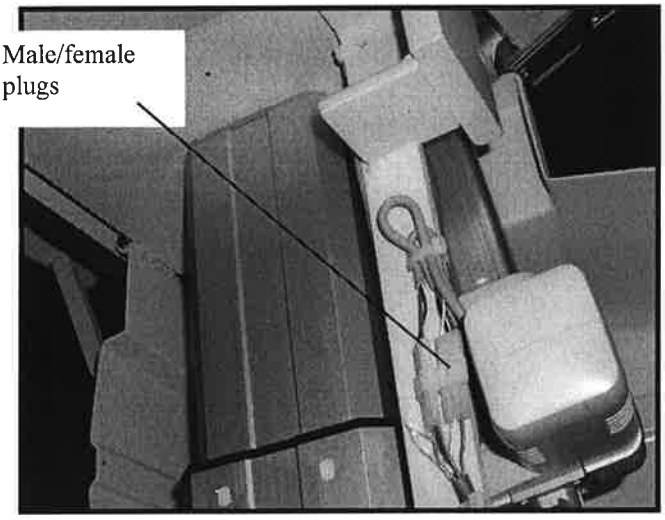



Figure 3

3) Follow the power cord from the back motor down the side of the tilt chassis, (figure 3). Unplug the applicable male/female low voltage plug, and clip the cable tie holding the back actuator wiring harness in place.

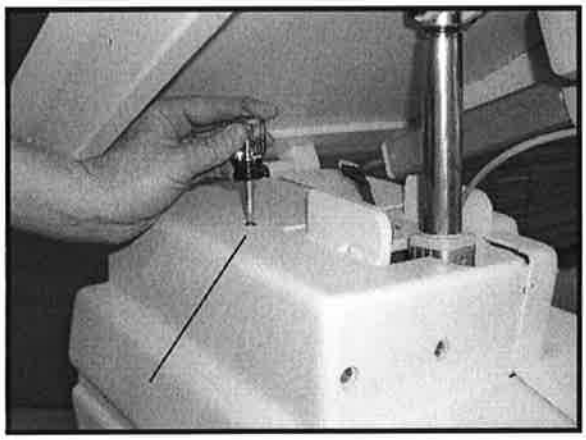


Figure 2

2) Remove the decorative vinyl strip from around the middle of the plastic base cover. With a short phillips screw driver, take the (3) small flat head phillips screws holding the two base cover halves together on both ends. Remove the single phillips screw from the top surface of the right hand base cover only, (figure 2). Remove the cover.

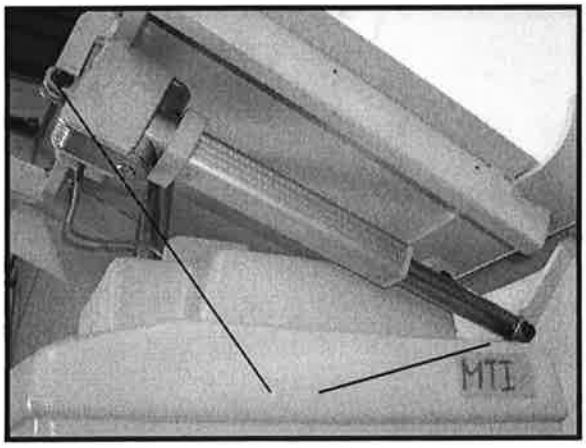



Figure 4

4) Remove one of the two E-rings on the 1/2" clevis pin holding the actuator at the motor shaft end, (figure 4). Support the chair back, push out the shaft end pin, lay the back over on the seat. Remove the motor end pin, supporting the motor base at the same time. A hammer and soft metal rod may be needed to drive the pin out. Remove the motor from the mounting clevis. Reverse the process to install the replacement motor, using new cable ties.

# MTI Model 525/524 Tilt Motor Replacement

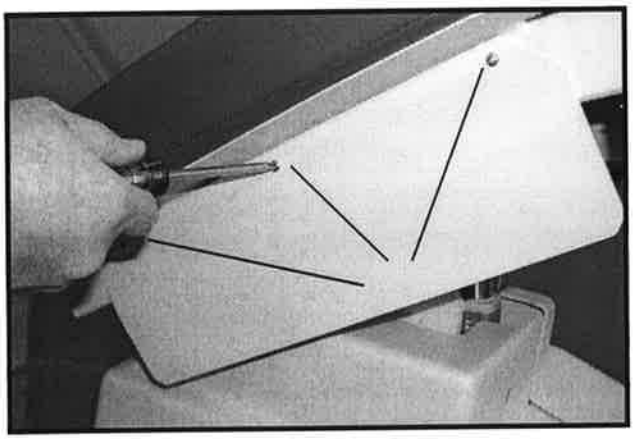


Figure 1

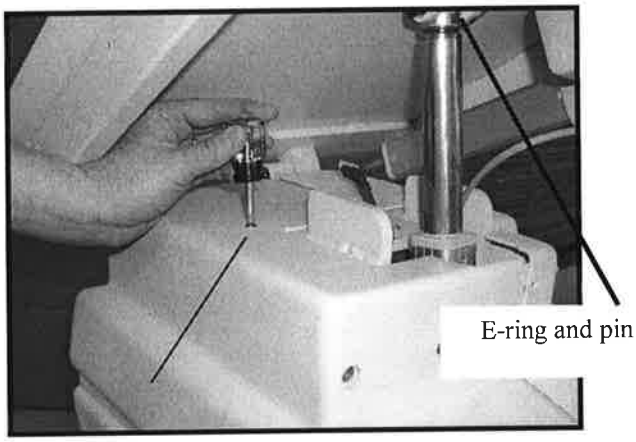



Figure 2

1) Remove both chair side panels by removing the the three phillips head machine screws on each, (figure 1). If the tilt motor is functional, put the chair in full tilt. If it is not functional, reach up from the toe of the chair with a pair or needle nose pliers and remove the E-ring holding the horizontal pin at the end of the motor shaft., (figure 2}. Wiggle the footrrest up and down as you push the pin out toward the patient's right side. If the pin does not move proceed to the patient's left side of the chair , where there is hole in the frame that you may use a 3/8" round rod to knock out the pin. After removal of the pin, tilt the chair top backward, using as assistant to hold the chair top from falling all the way back, or carefully fest the top of the chair on the floor using a cushion for protection.

2) Remove the decorative vinyl strip from around the middle of the plastic base cover. With a short phillips screw driver, take the (3) small flat head phillips screws holding the two base cover halves together on both ends. Remove the single phillips screw from the top surface of the right hand base cover only, (figure 2). Remove the cover.

3) Follow the power cord from the tilt motor down the side of the tilt chassis, (figure 3). Unplug the applicable male/female low voltage plug, and clip the cable tie holding the tilt actuator power cord in place.

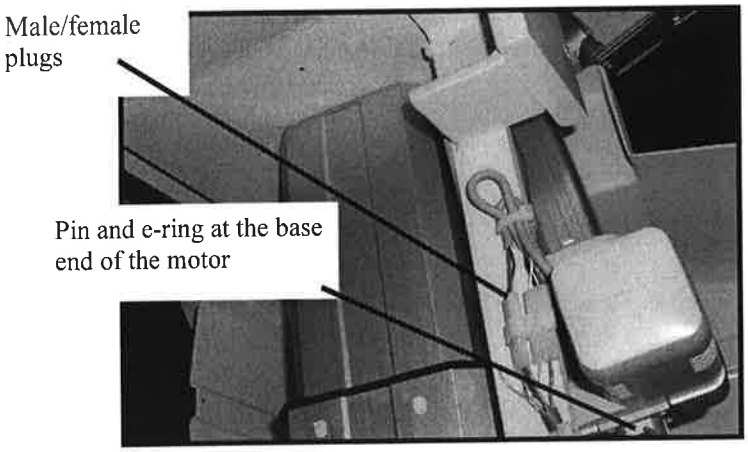



Figure 3

4) Remove one of the two E-rings on the 1/2" clevis pins holding the actuator at the base end of the motor , (figure 3). Remove the motor end pin supporting the motor at the same time. A hammer and soft metal rod may be needed to drive the pin out. Remove the motor from the mounting clevis. Reverse the process to install the replacement motor, using new cable ties.

# MTI 525 Foot Section Replacement Instructions

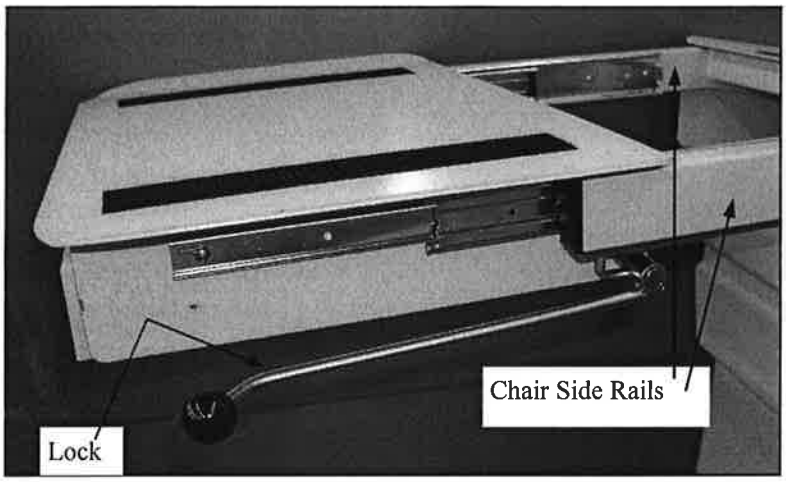



**Figure 1**

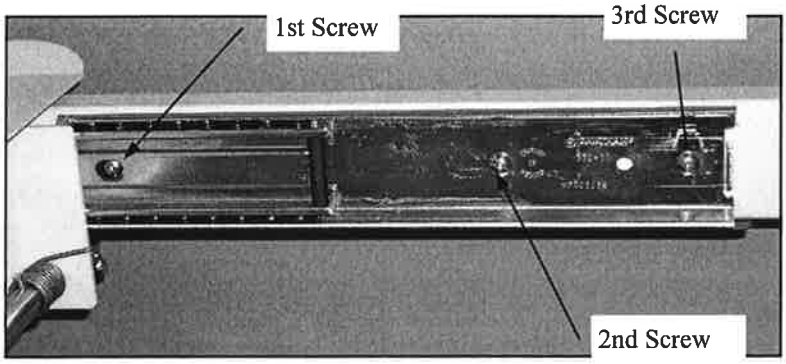



**Figure 2**

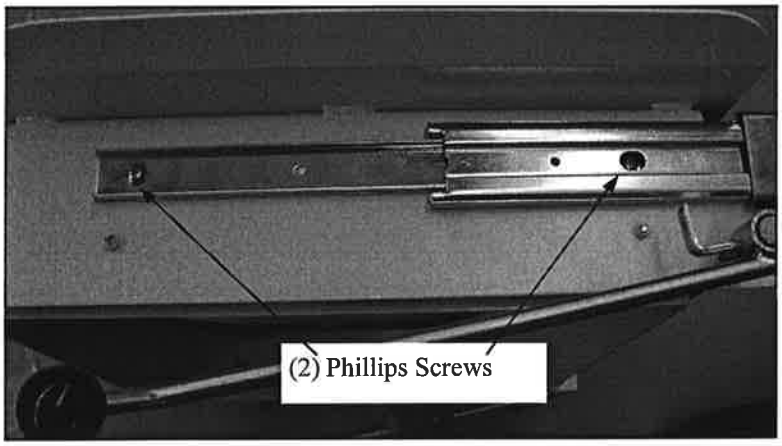



**Figure 3**

1) Remove foot section upholstery by grasping the cushion from the sides and pulling straight up. The cushion is held on with Velcro attachment, so a firm pulling motion is required.
2) Extend the footrest entirely. Move to the side of the chair and note the foot extension slides on the inside of each chair side rail, (Figure 1).
3) Using a Phillips screwdriver, only remove the 1st 8-32 x 3/8" Phillips head screw, which is the screw in the slide located closest to the rear of the foot section, (Figure 2), It helps to hold the slide against the rail on each set of slides.
4) Locate the middle screw holding the slide and remove that 2nd screw from both sets of slides, (Figure 2).
5) Finally remove the 3rd set of screws in each set of slides and while support the foot section so it does not drop, gently remove the foot section.
6) With the foot section off of the chair, remove the two Phillips head screws holding the slides on the outside of the foot section frame, (Figure 3).
7) Replace the slides on to the new foot section, using the (2) screws on each slide removed from the original.
8) Extend the slides rearward and position the new foot section back on the chair side rails. Align the 3rd set of holes in the slides with that of the chair side rails and fasten that set of screws only, (Figure 1).
9) Release the upward tension of the extension lock, (Figure 1), by pressing down on the knob and lifting the foot section to pivot holes and screws (1st and 2nd) into position for attachment.
10) Insert the remaining screws into proper position, do not over torque these attachment screws.

# Lift Column Replacement Instructions for all MTI Chairs w/ Plastic Base Covers

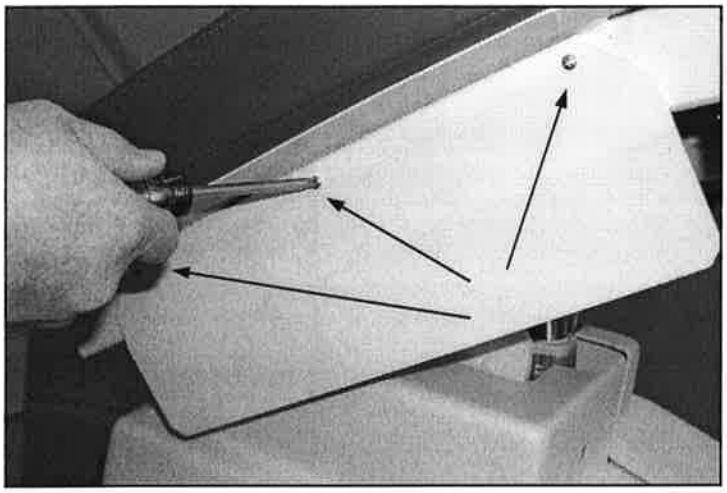


Figure 1

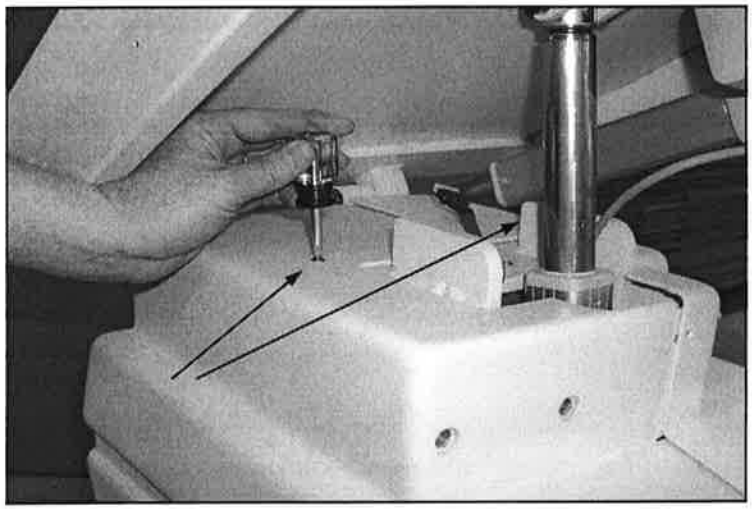


Figure 2

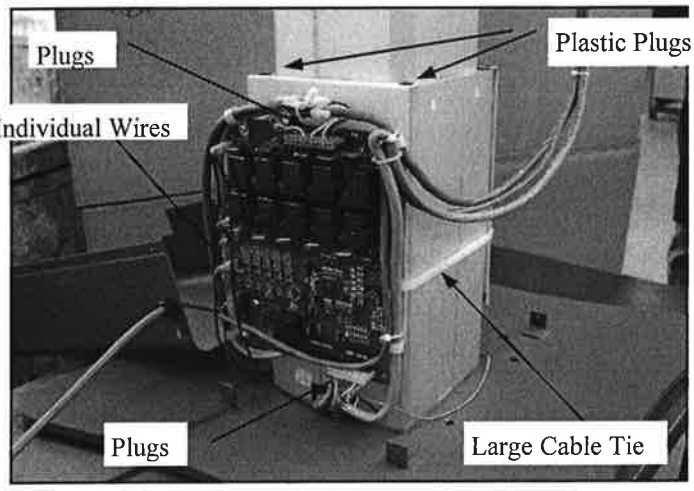



Figure 3

1) If the lift ***is*** functional, raise the base all the way up and put the chair in full tilt. ***unplug the power cord***. If the lift is not functional, put the chair seat in full tilt to gain access to the screws holding the plastic cover.
2) Remove the LH and RH seat side panels and attachment screws, figure 1. Remove the decorative vinyl strip from around the middle of the plastic base cover. With a short phillips screw driver, remove the (3) small flat head phillips screws holding the two base cover halves together on both ends. Remove the single phillips screw from the top surface of both base cover halves, (figure 2), being careful not to let the middle base covers drop. Remove both plastic covers.
3) Remove the middle base metal cover halves by removing the (4) phillips screws.
4) Remove the (8) phillips screws from the (2) gray colored bottom base cover halves and lay the halves over, one on each side of the base.
5) Noting and labeling all the positions of single wires and multi conductor plugs, remove all wires and plugs from the PC board, (figure 3). Using wire cutters, carefully cut the large plastic cable tie. Hold the PC board mounting plate and capacitor/rectifier mounting plate to the side of the lifting column, and with a flat blade screwdriver, pry up the two black plastic plugs holding the corner of each of the mounting brackets on the top of the first section of the lifting column and remove both brackets.
6) Using a 6mm metric allen wrench, remove the (4) 10mm x 40mm flat head screws holding the pivot plate asssy, (figure 4). *NOTE: If difficulty is experienced removing the flat head screws securing the top to the base or the lifting column to the base plate, a impact driver equipped with a 6mm allen wrench tip should be used to loosen the bolts*. Carefully remove the en-

*(Continued on page 2)*

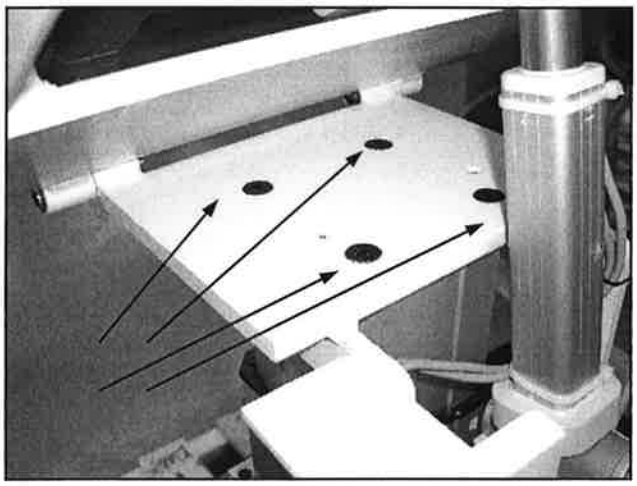


Figure 4

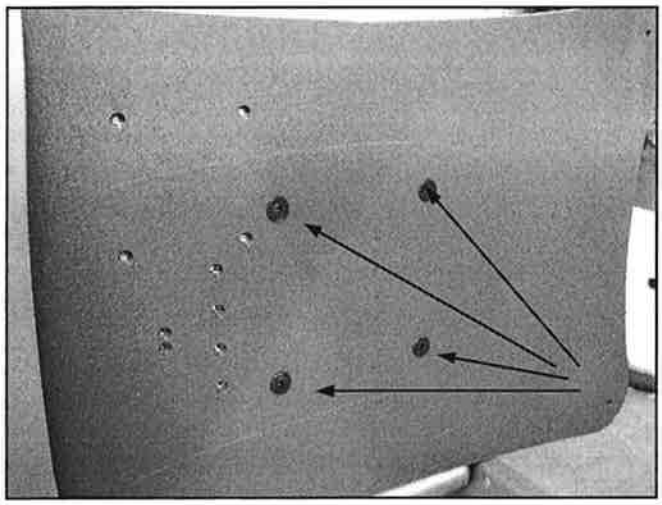


Figure 5

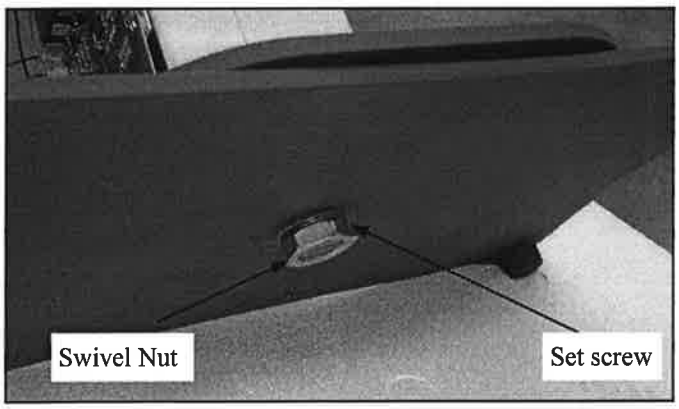



Figure 6

*(Continued from page 1)*

tire chair top and set it aside on a piece of carpet or soft material to cushion it.

7) For swivel base models, tip the base plate to the left or right side to expose the large swivel nut, figure 6. Loosen the 1/8" set screw, which locks the swivel nut travel, figure 6. Hold the lifting column so it does not turn, and with a large adjustable wrench or large pipe wrench, rotate the nut counterclockwise. Tip the column upside down with the base plate up. Remove the thrust bearing pack under the nut and while supporting the lifting column, carefully lift the base plate off of the swivel plate and lifting column. Remove the (4) exposed 10mm x 40mm flat head screws with a 6mm metric allen head wrench or impact driver. As the last screw is removed, again support the lifting column. Note, the column orientation on the swivel plate before removal.
8) Remove the (4) large phillips head screws from each end of the new replacement lifting column. **NOTE: These are shipping containment screws placed in the column to avoid shipping damage and must be replaced into the original lifting column, BEFORE returning it to the factory for repair/credit..**
9) Position the replacement column in the same orientation as the old column and replace the (4) 10mm x 40mm flat head bolts. Tighten all flat head bolts to 20 foot pounds of torque. Tip the base plate upright on the floor and replace all components in the reverse order.
10) Return the original lifting column with the (4) large phillips head screws in place on both ends of the column and repack it in the original shipping container.

# MTI 525 Torsion Spring Foot Section Replacement Instructions

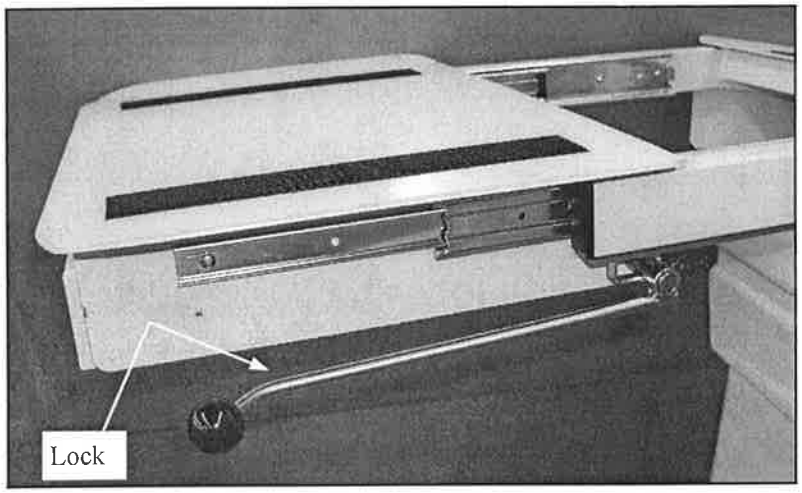



**Figure 1**

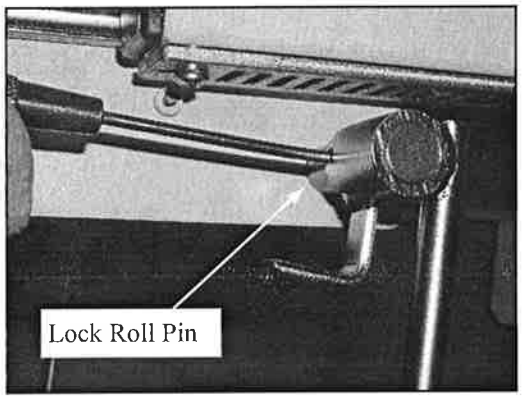



**Figure 2**

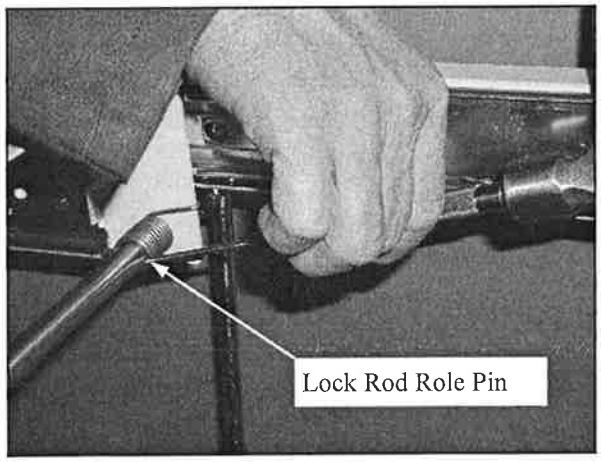



**Figure 3**

1) Remove foot section upholstery by grasping the cushion from the sides and pulling straight up. The cushion is held on with Velcro attachment, so a firm pulling motion is required.
2) Extend the footrest entirely, (Figure 1).
3) Rotate footrest lock handles, downward approximately 90 degrees. Using a 1/8" diameter straight line punch and hammer, drive out the 1/8" x 3/4" split roll pin toward the chair seat and back, while preventing the foot section from going back in toward the chair, one handle at a time, (Figure 2). CAUTION, if either of the torsion springs is still loaded the rod may spin when the pin and punch are removed.
4) After removal of the foot section lock handles, rotate the lock rod such that the pins holding the 90 degree tail of each of the two torsion springs are horizontal to the ground. Extend the debris tray a few inches to provide clearance for removing the torsion spring split pins. Using the 1/8" punch and hammer , again drive the pins out, (Figure 3).
5) Slide the original lock rod out from either side of the foot section frame and replace it with the new lock rod supplied, positioning the new rod about 2" from the hole in the foot section frame on the opposite side, (Figure 4).
6) Place the new right and left hand springs in the proper orientation on the lock rod between the end of the rod and the inside of the foot section frame, and then slide the rod back through the hole in the foot section frame, (Figure 4).
7) Slide each spring along the rod to the

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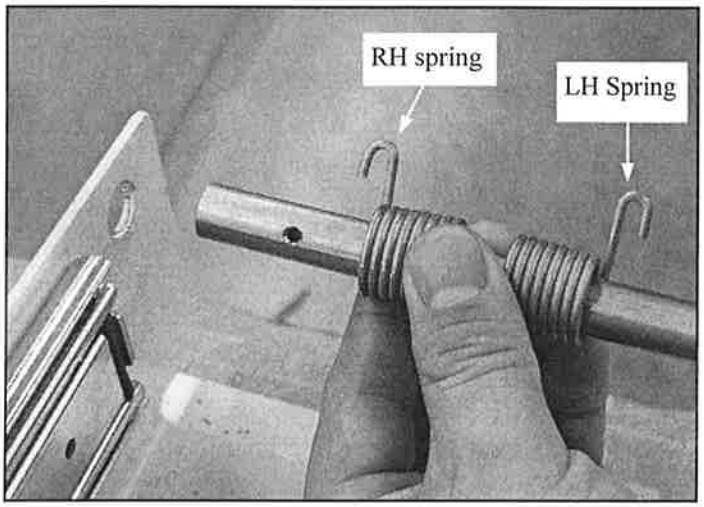



**Figure 4**

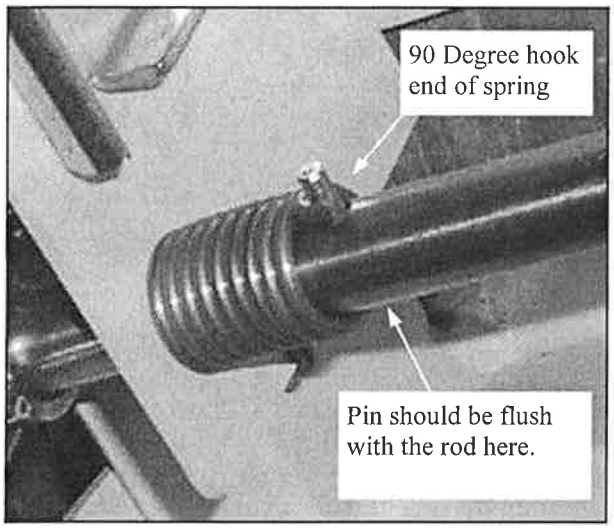



**Figure 5**

*(Continued from page 1)*

inside of the foot section frame and place the roll pin on the inside of the short 90 degree hook end of the torsion spring. Using a hammer, drive the pin in such that the pin ends up flush with the opposite side of the lock rod, (Figure 5).

8) Hook the "U" shaped tail of each spring on the edge of the frame, and by hand rotate the lock rod such that the roll pins start to put tension on the torsion springs. Be sure to orientate the spring as in, (Figure 6).
9) Using two (2) #2 size Phillips head screwdriver, place the shaft of the screwdriver through one of the two holes in the center of the lock rod shaft and rotate the shaft in 90 degree increments, (Figure 7). Place the second driver in the second hole to hold the position and repeat this operation four times, putting a total of one turn on the lock rod, which loads the springs.
10) With the proper turns on the lock rod, leave the second driver positioned in the lock rod hole and propped against the underside of the foot section frame. A spacer block may be needed to hold the rod in proper positioning for attachment of the lock handles.
11) Replace the lock handles and affix them with the roll pins supplied in the reverse order of step #3, then release the tension on the spring by removing the phillips screwdriver from the middle of the lock rod, (Figure 3).

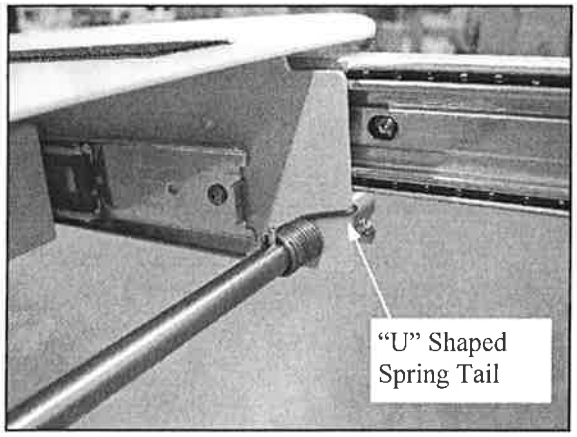



**Figure 6**

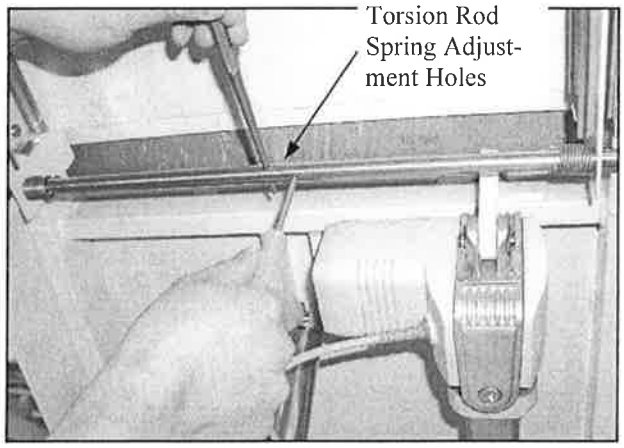
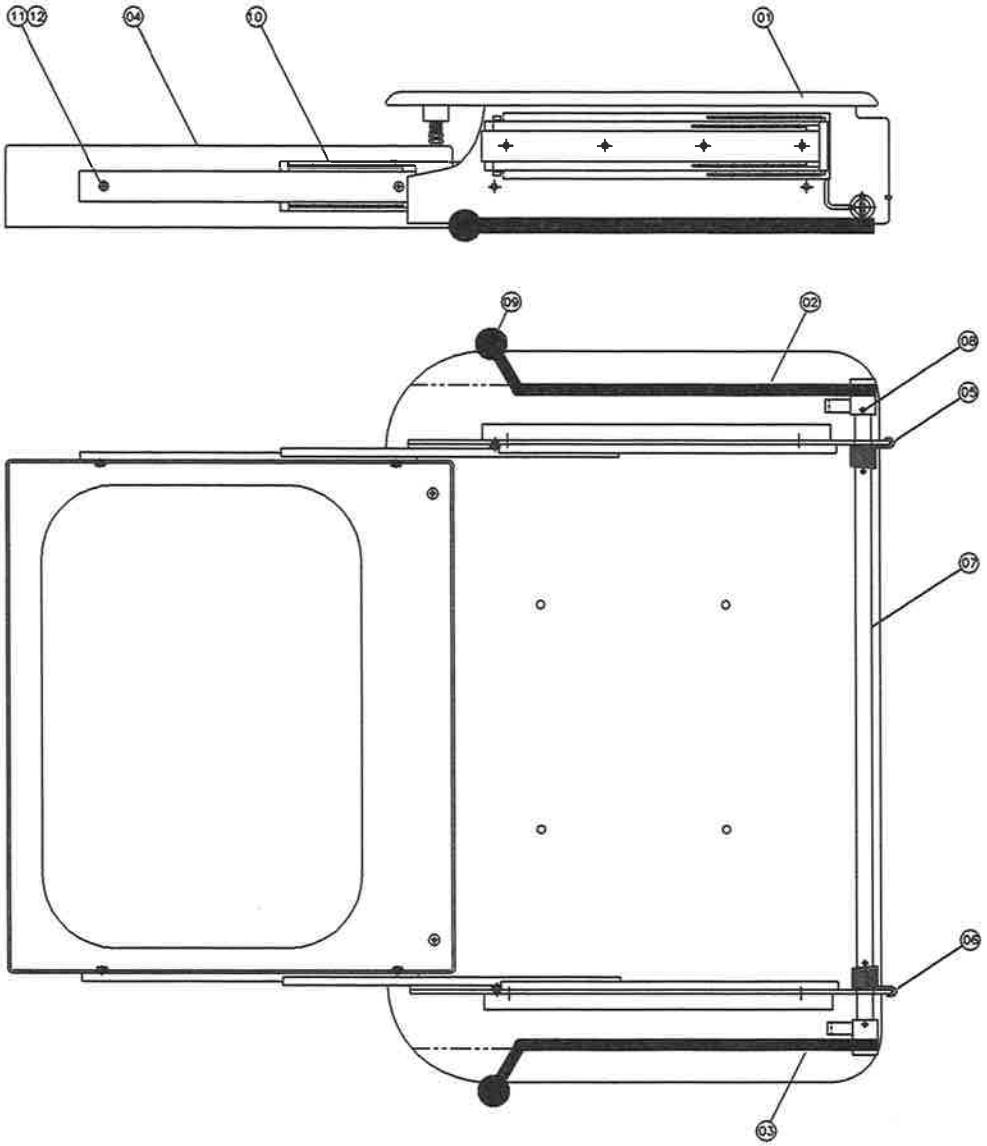



**Figure 7**




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| 12 | 4 | 045201 | #8 INTERNAL STAR WASHER |
| 11 | 10 | 032052 | #8-32 x 3/8 PAN HEAD PHILLIPS SCREW |
| 10 | 4 | 044001 | SLIDE |
| 09 | 2 | 037009 | BALL KNOB |
| 08 | 4 | 042020 | 1/8 ø x 3/4 ROLL PIN |
| 07 | 1 | 5251015 | FOOT SECTION ROD |
| 06 | 1 | 5251014 | FOOT SECTION SPRING, RH |
| 05 | 1 | 5251013 | FOOT SECTION SPRING, LH |
| 04 | 1 | 5259014 | DEBRIS TRAY ASSEMBLY |
| 03 | 1 | 5259026 | FOOT SECTION LOCK ASSEMBLY, RH |
| 02 | 1 | 5259025 | FOOT SECTION LOCK ASSEMBLY, LH |
| 01 | 1 | 5009017 | FOOT SECTION WELDMENT |

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x .1
xx .015
xxx .005
ANGLES ± 1/2°
EDGE BREAK ALL
EDGES TO .01/.03 R

MODEL 525

PART NAME FOOT SECTION ASSEMBLY

PART NUMBER 5259003

DATE 8/28/01

D | SHT 1 OF 1 | REV ORG

| REV | DATE | DESCRIPTION |
|---|---|---|
| | | |

| ITEM NUMBER | QUANTITY | PART NUMBER | DESCRIPTION |
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| 07 | 1 | 5251038 | UPHOLSTERED BACK CUSHION |
| 06 | 1 | 5251039 | UPHOLSTERED SEAT CUSHION |
| 05 | 1 | 5251040 | UPHOLSTERED FOOT CUSHION |
| 04 | 2 | 5009033 | UPHOLSTERED ARM |
| 03 | 1 | 5001110 | UPHOLSTERY STRAP |
| 02 | 1 | 5251041 | SCUFF COVER |
| 01 | 1 | 059003 | UPHOLSTERY KIT BOX |

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x .1
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xxx .005
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EDGE BREAK ALL
EDGES TO .01/.03 R

PART NAME: 524/525 UPHOLSTERY KIT

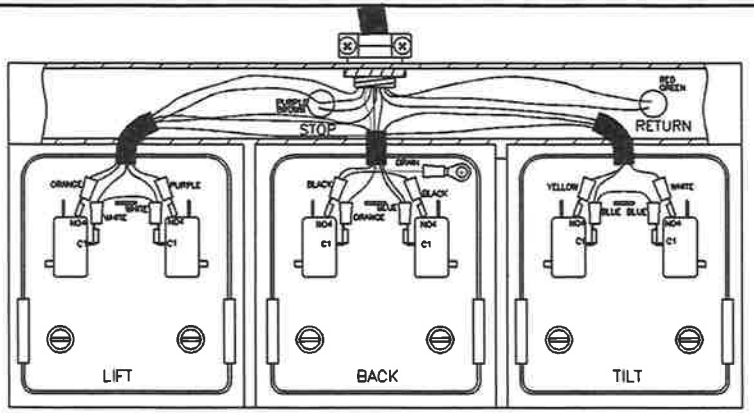
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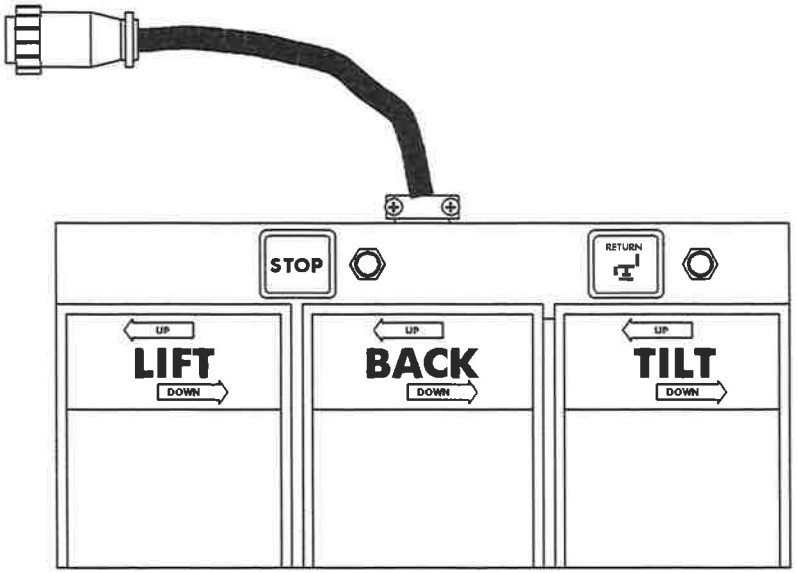
DATE: 3/28/03

A

REV ORG

| REV | DATE | DESCRIPTION |
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| ITEM NUMBER | QUANTITY | PART NUMBER | DESCRIPTION |
|---|---|---|---|
| 23 | 3 | 1001295 | FOOT SWITCH WIRE COVER |
| 22 | 1 | 1001172 | DECAL, STOP |
| 21 | 1 | 1001173 | DECAL, AUTO RETURN |
| 20 | 1 | 1001174 | DECAL, TILT |
| 19 | 1 | 1001175 | DECAL, BACK |
| 18 | 1 | 1001176 | DECAL, LIFT |
| 17 | 3 | 051189 | BELL CRIMP CONNECTOR |
| 16 | 12 | 051130 | QUICK DISCONNECT, FEMALE |
| 15 | 1 | 051121 | BUTT CONECTOR 14-16 GA. |
| 14 | 10 | 051003 | AMP MALE PIN |
| 13 | 1 | 051002 | CABLE/PLUG CLAMP |
| 12 | 1 | 051001 | PLUG |
| Ⓐ 11 | 4' | 050051 | 10 CONDUCTOR SHIELDED CABLE, 20 GA. |
| 10 | 2 | 048010 | SWITCH |
| 09 | 10 | 032464 | INTERNAL SEM SCREW 6-32 x 1/4 |
| 08 | 2 | 040115 | SWITCH LOCK NUT |
| 07 | 1 | 048001F | CABLE STRAIN RELIEF NUT |
| 06 | 3 | 048001E | WIRE COVER |
| 05 | 1 | 048001D | NON SKID BASE PAD |
| 04 | 1 | 048001C | CABLE RESTRAINT |
| 03 | 1 | 1001218 | BACK CASTING CHANNEL COVER |
| 02 | 3 | 048001B | FOOT SWITCH CASTING ASSEMBLY |
| 01 | 1 | 7001047 | 3 FUNCTION FOOT CONTROL BASE |

NOTES:

1. THIS FOOT CONTROL IS FOR A TRIPLE FUNCTION CHAIR WITH AUTO RETURN, STOP, AND RAPID TRENDELENBURG POSITIONING. THIS FOOT SWITCH IS NOT FOR A PROGRAMABLE CHAIR.

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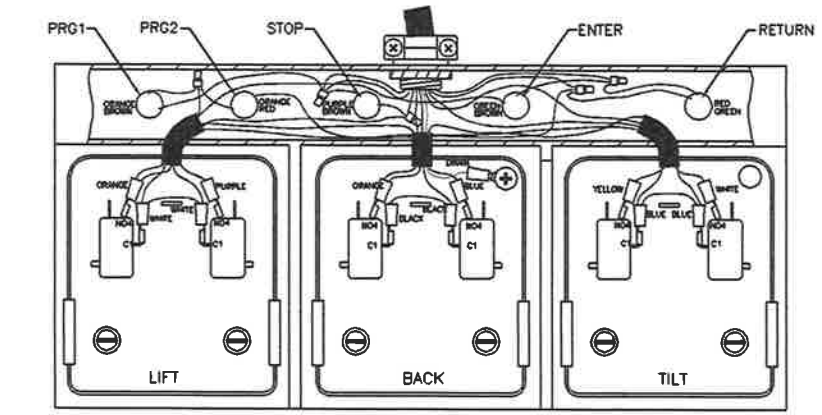
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xxx .005
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EDGE BREAK ALL
EDGES TO .01/.03 R

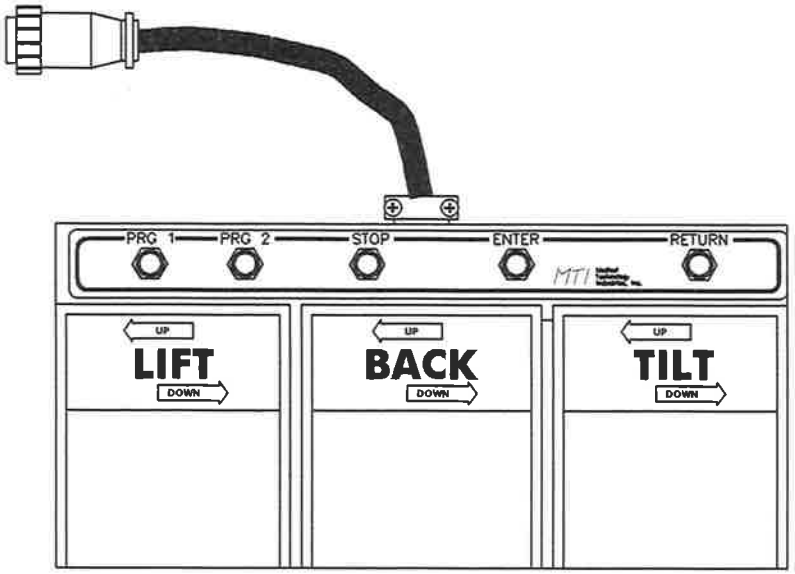
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PART NUMBER: 1000045

DATE 4/23/01
D SHT 1 OF 1 REV A

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| ITEM NUMBER | QUANTITY | PART NUMBER | DESCRIPTION |
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| 22 | 1 | 1001179 | TRI FOOT SWITCH PROGRAMABLE LABEL |
| 21 | 1 | 1001174 | DECAL, TILT |
| 20 | 1 | 1001175 | DECAL, BACK |
| 19 | 1 | 1001176 | DECAL, LIFT |
| 18 | 1 | 051145 | RING TERMINAL |
| 17 | 6 | 051189 | BELL CRIMP CONNECTOR |
| 16 | 12 | 051130 | QUICK DISCONNECT, FEMALE |
| 15 | 1 | 051121 | BUTT CONECTOR 14-16 GA. |
| 14 | 10 | 051003 | AMP MALE PIN |
| 13 | 1 | 051002 | CABLE/PLUG CLAMP |
| 12 | 1 | 051001 | PLUG |
| Ⓐ 11 | 4' | 050051 | 10 CONDUCTOR SHIELDED CABLE, 20 GA. |
| 10 | 5 | 048010 | SWITCH |
| 09 | 10 | 032464 | INTERNAL SEM SCREW 6-32 x 1/4 |
| 08 | 5 | 040115 | SWITCH LOCK NUT |
| 07 | 1 | 048001F | CABLE STRAIN RELIEF NUT |
| 06 | 3 | 048001E | WIRE COVER |
| 05 | 4 | 048001D | NON SKID BASE PAD |
| 04 | 1 | 048001C | CABLE RESTRAINT |
| 03 | 1 | 1001218 | BACK CASTING CHANNEL COVER |
| 02 | 3 | 048001B | FOOT SWITCH CASTING ASSEMBLY |
| 01 | 1 | 7001089 | 3 FUNCTION FOOT CONTROL BASE |

NOTES:

1. THIS FOOT CONTROL IS FOR A TRIPLE FUNCTION PROGRAMABLE CHAIR WITH AUTO RETURN, STOP, AND RAPID TRENDELENBURG POSITIONING.

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x .1
xx .015
xxx .005
ANGLES ± 1/2°
EDGE BREAK ALL
EDGES TO .01/.03 R

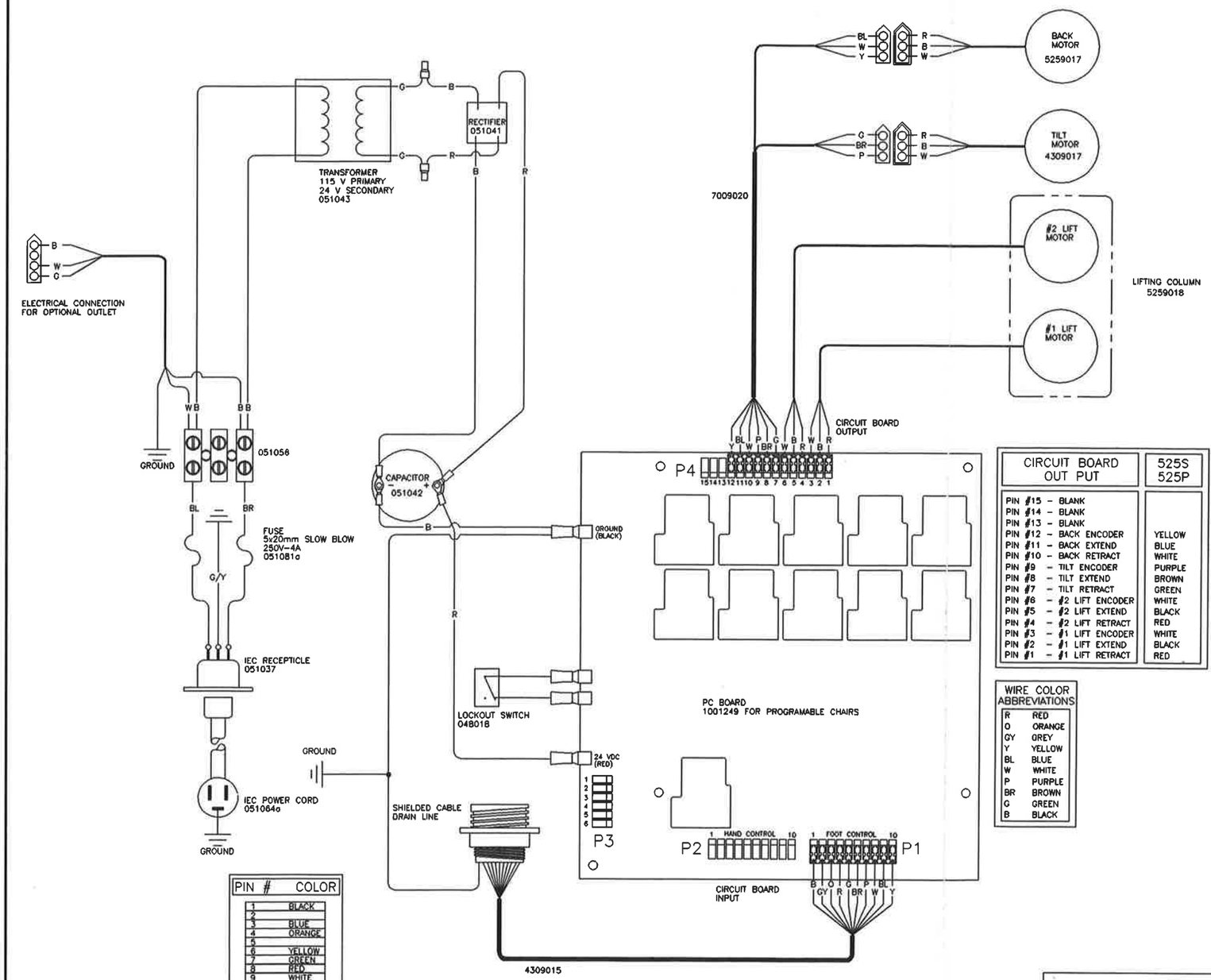
PART NAME: FOOT CONTROL FC3704

PART NUMBER: 1000050

DATE 4/23/01

D SHT 1 OF 1 REV A

| REV | DATE | DESCRIPTION |
|---|---|---|
| A | 12/3/01 | MOVED THE LOCKOUT SWITCH FROM PRI. SIDE OF TRANS. |
| | | TO THE JUMPER ON THE C/B. |
| B | 1/21/02 | ADDED A WIRE TO GROUND C/B. |
| C | 10/30/02 | REPLACED POWER CORD AND BREAKERS W/ IEC CORD |
| | | AND TWO FUSES. |




| CIRCUIT BOARD OUT PUT | 525S 525P |
|---|---|
| PIN #15 – BLANK | |
| PIN #14 – BLANK | |
| PIN #13 – BLANK | |
| PIN #12 – BACK ENCODER | YELLOW |
| PIN #11 – BACK EXTEND | BLUE |
| PIN #10 – BACK RETRACT | WHITE |
| PIN #9 – TILT ENCODER | PURPLE |
| PIN #8 – TILT EXTEND | BROWN |
| PIN #7 – TILT RETRACT | GREEN |
| PIN #6 – #2 LIFT ENCODER | WHITE |
| PIN #5 – #2 LIFT EXTEND | BLACK |
| PIN #4 – #2 LIFT RETRACT | RED |
| PIN #3 – #1 LIFT ENCODER | WHITE |
| PIN #2 – #1 LIFT EXTEND | BLACK |
| PIN #1 – #1 LIFT RETRACT | RED |

| WIRE COLOR ABBREVIATIONS | |
|---|---|
| R | RED |
| O | ORANGE |
| GY | GREY |
| Y | YELLOW |
| BL | BLUE |
| W | WHITE |
| P | PURPLE |
| BR | BROWN |
| G | GREEN |
| B | BLACK |

| PIN # | COLOR |
|---|---|
| 1 | BLACK |
| 2 | |
| 3 | BLUE |
| 4 | ORANGE |
| 5 | |
| 6 | YELLOW |
| 7 | GREEN |
| 8 | RED |
| 9 | WHITE |
| 10 | BROWN |
| 11 | |
| 12 | PURPLE |
| 13 | DRAIN |
| 14 | GREY |

## NOTES:

1. CHAIR MODEL 525S USES THE NON-PROGRAMABLE CIRCUIT BOARD P/N 1001263. CHAIR MODEL 525P USED THE PROGRAMABLE CIRCUIT BOARD P/N 1001249.

| ITEM NUMBER | QUANTITY | PART NUMBER | DESCRIPTION |
|---|---|---|---|


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x .1
xx .005
xxx .005
ANGLES ± 1/2°
EDGE BREAK ALL
EDGES TO .01/.03 R

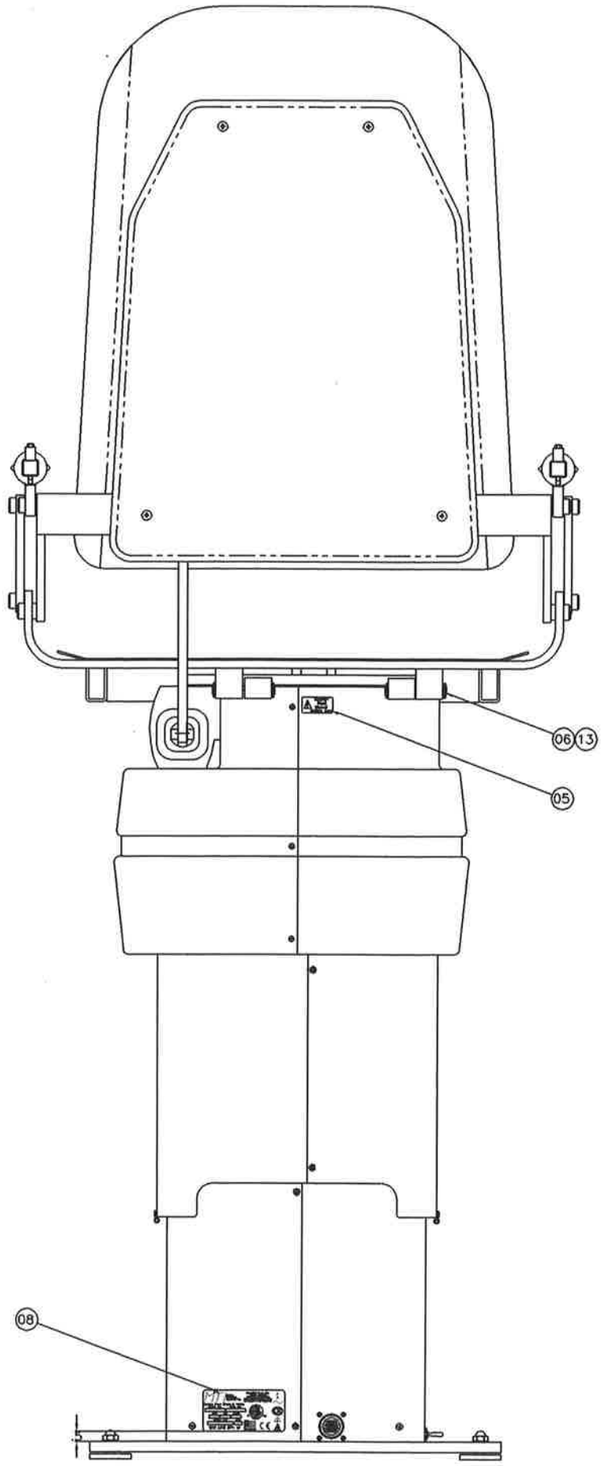
PART NAME: WIRING DIAGRAM 525S/525P CHAIR

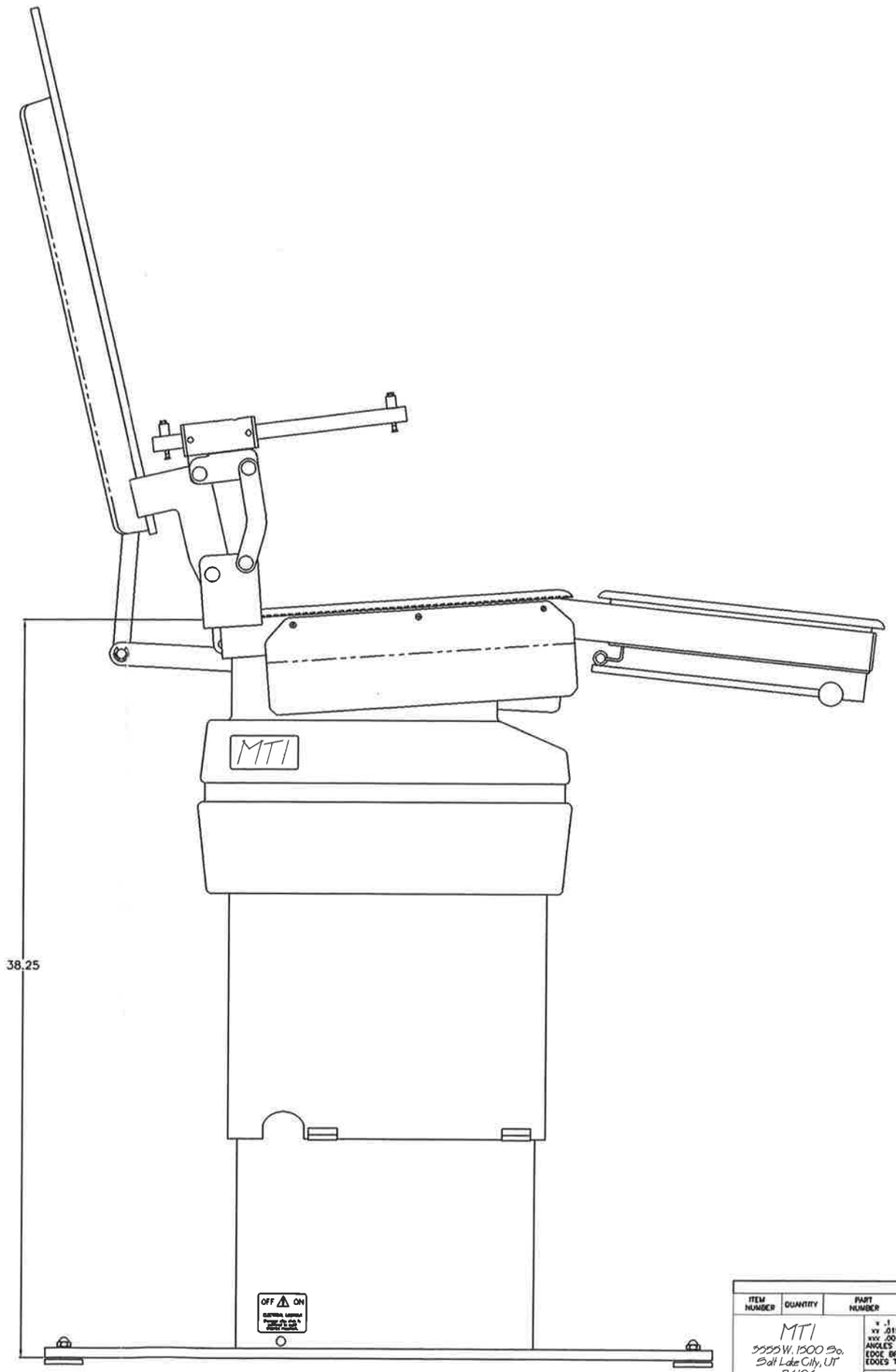
PART NUMBER: 5259004

DATE 11/29/01

D | SHT 1 OF 1 | REV C

| REV. | DATE | DESCRIPTION |
|---|---|---|
| | | |




| ITEM NUMBER | QUANTITY | PART NUMBER | DESCRIPTION |
|---|---|---|---|
| | | | |

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XX ±1
XXX .015
XXX .005
ANGLES ± 1/2°
EDGE BREAK ALL
EDGES TO .01/.03 R

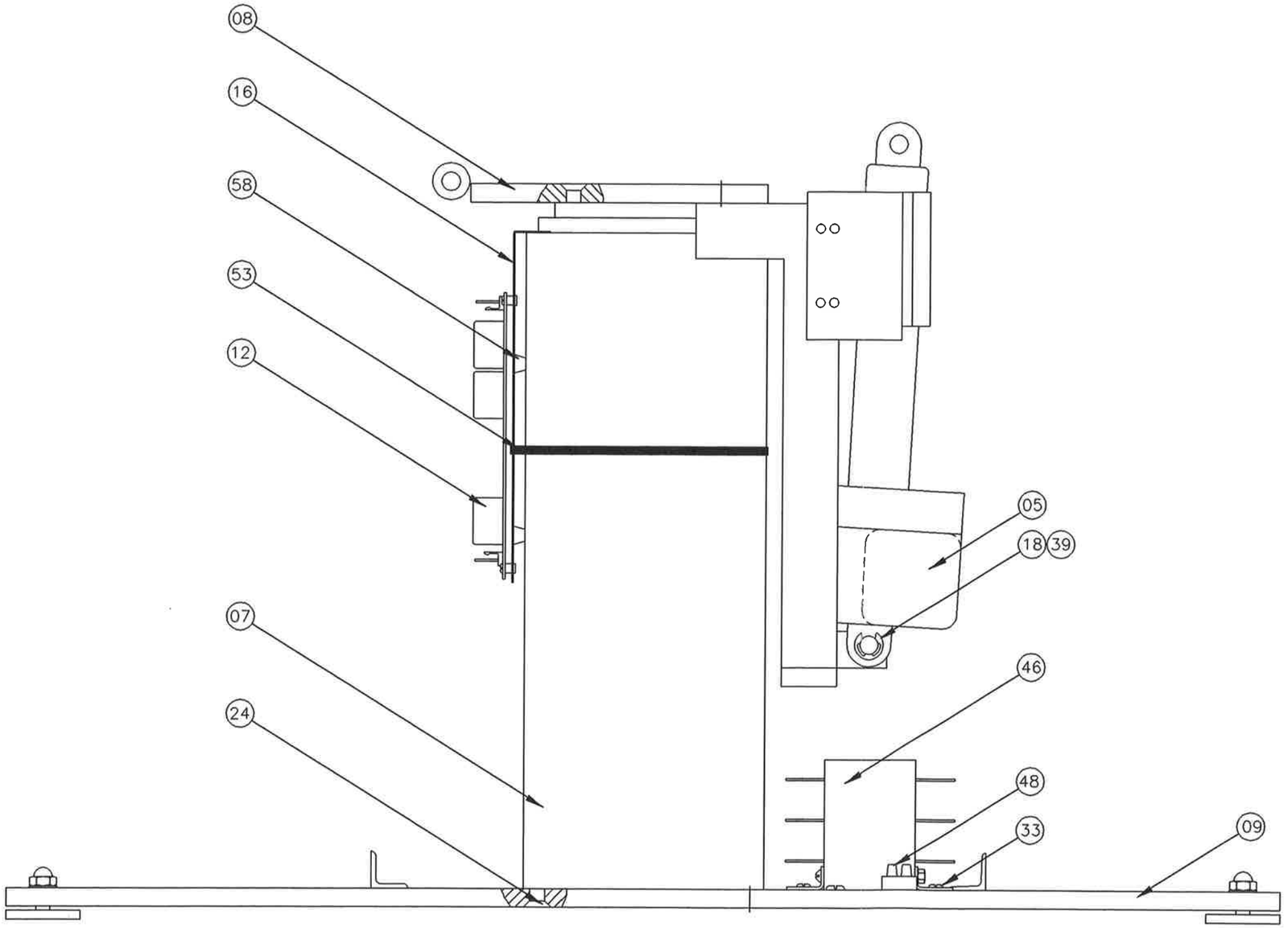
PART NAME: ETL LISTED 115V 525 CHAIR

PART NUMBER: 5250011

DATE: 4/7/03

F | SHT 2 OF 4 | ORG REV

| REV | DATE | DESCRIPTION |
|---|---|---|
| | | |




| ITEM NUMBER | QUANTITY | PART NUMBER | DESCRIPTION |
|---|---|---|---|
| 61 | 12 | 061005 | 1/2 x 1/2 BUMP-ON |
| 60 | 4 | 061004 | 3/4 ROUND BUMP-ON |
| 59 | 4 | 056012 | LEVELING FEET |
| 58 | 2 | 051190 | BELL CRIMP CONNECTOR- LARGE |
| 57 | 4 | 051189 | BELL CRIMP CONNECTOR- MEDIUM |
| 56 | 2 | 051152 | 1/4" RING TERMINAL |
| 55 | 4 | 051137 | QUICK DISCONNECT, 1/4" |
| 54 | 1 | 051107 | 1/2 x 3/8 METAL CABLE CLAMP, PLASTIC COATED |
| 53 | 1 | 051092 | WIRE TIE, 36" |
| 52 | 9 | 051090 | WIRE TIE, 4" |
| 51 | 2 | 051088 | FUSE, 4 AMP SLOW BLOW |
| 50 | 1 | 051084 | IEC POWER CORD RECEPTICLE |
| 49 | 2 | 051077 | 3/8 x 3/8 PLASTIC CABLE CLAMP |
| 48 | 1/6 | 051056 | TERMINAL STRIP |
| 47 | 1 | 051044a | 6 WIRE AMP. CONNECTOR, FEMALE |
| 46 | 1 | 051043 | TRANSFORMER |
| 45 | 1 | 051042 | CAPACITOR |
| 44 | 1 | 051041 | BRIDGE RECTIFIER |
| 43 | 1 | 051040 | CAPACITOR STRAP |
| 42 | 1 | 048018 | LOCKOUT SWITCH |
| 41 | 2 | 047015 | #8 PLASTIC WASHER |
| 40 | 4 | 047014 | SPACER, HEAD REST/CIRCUIT BOARD |
| 39 | 2 | 048014 | 1/2" E-CLIP |
| 38 | 8 | 045004 | 3/8 FLAT WASHER |
| 37 | 4 | 040089 | 3/8-16 ACORN NUT |
| 36 | 4 | 040003 | 4-40 HEX NUT |
| 35 | 8 | 032463 | 6-32 x 3/16 PHP KEP SCREW (W/ LOCK WASHER) |
| 34 | 4 | 032364 | 8-32 x 3/8 PAN HEAD PHIL, BLACK |
| 33 | 4 | 032098 | 1/4-20 x 1/2 PAN HEAD PHIL SCREW |
| 32 | 3 | 032097 | 1/4-20 x 3/8 PHP SCREW |
| 31 | 2 | 032066 | 10-24 x 3/8 PAN HEAD PHIL SCREW |
| 30 | 4 | 032054 | 8-32 x 1/2 PAN HEAD PHIL SCREW |
| 29 | 4 | 032022 | 4-40 x 1/2 PAN HEAD PHIL SCREW |
| 28 | 1 | 031044 | 10-24 x 3/4 FLAT HEAD PHIL SCREW |
| 27 | 1 | 031031 | 8-32 x 3/4 FLAT HEAD PHIL SCREW |
| 26 | 2 | 031027 | 8-32 x 3/8 FLAT HEAD PHIL SCREW |
| 25 | 6 | 031011 | 6-32 x 1/4 FLAT HEAD PHIL SCREW |
| 24 | 8 | 029494 | M10x40 FLAT HEAD SOCKET SCREW |
| 23 | 1 | 7001031 | TOP BASE COVER |
| 22 | 1 | 5251021 | MIDDLE BASE COVER, LH |
| 21 | 1 | 5251020 | INSIDE BASE COVER HALF, RH |
| 20 | 1 | 5251019 | INSIDE BASE COVER HALF, LH |
| 19 | 1 | 5251018 | MIDDLE BASE COVER, RH |
| 18 | 1 | 5001090 | PIN, 1/2 ø x 1.13 |
| 17 | 1 | 4001118 | TRANSFORMER MOUNTING BRACKET |
| 16 | 1 | 4001082 | CIRCUIT BOARD MOUNTING BRACKET |
| 15 | 4 | 1001301 | MIDDLE COVER EDGE GAURD |
| 14 | 1 | 1001299 | POWER CORD RETAINER CLIP |
| 13 | 2 | 1001298 | POWER CORD RETAINER CLIP SCREW |
| 12 | 1 | 1001249 | 4 FUNCTION CIRCUIT BOARD |
| 11 | 1 | 1001184 | LABEL, LOCKOUT SWITCH |
| 10 | 1 | 1001183 | LABEL, GROUND SYMBOL |
| 09 | 1 | 7009009 | BASE PLATE WELDMENT |
| 08 | 1 | 7009004 | CHAIR TOP MOUNTING PLATE WELDMENT |
| 07 | 1 | 5259018 | LIFTING COLUMN (450 mm) ASSEMBLY |
| 06 | 1 | 4309035 | BASE, POWER SUPPLY, WIRING HARNESS |
| 05 | 1 | 4309017 | TILT MOTOR (150C mm) ASSEMBLY |
| 04 | 1 | 4309015 | WIRING HANRNESS, FOOT CONTROL TO PC BOARD |
| 03 | 1 | 4309011 | WIRING HANRNESS, PC BOARD TO TOP MOTORS |
| 02 | 1 | 4009028 | AUX. OUTLET WIRING HARNESS (NOT SHOWN) |
| 01 | 1 | 1009080 | WIRING ASSEMBLY (NOT SHOWN) |

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UNLESS OTHERWISE SPECIFIED
X ±.1
XX ±.015
XXX ±.005
ANGLES ± 1/2°
EDGE BREAK ALL
EDGES TO .01/.03 R

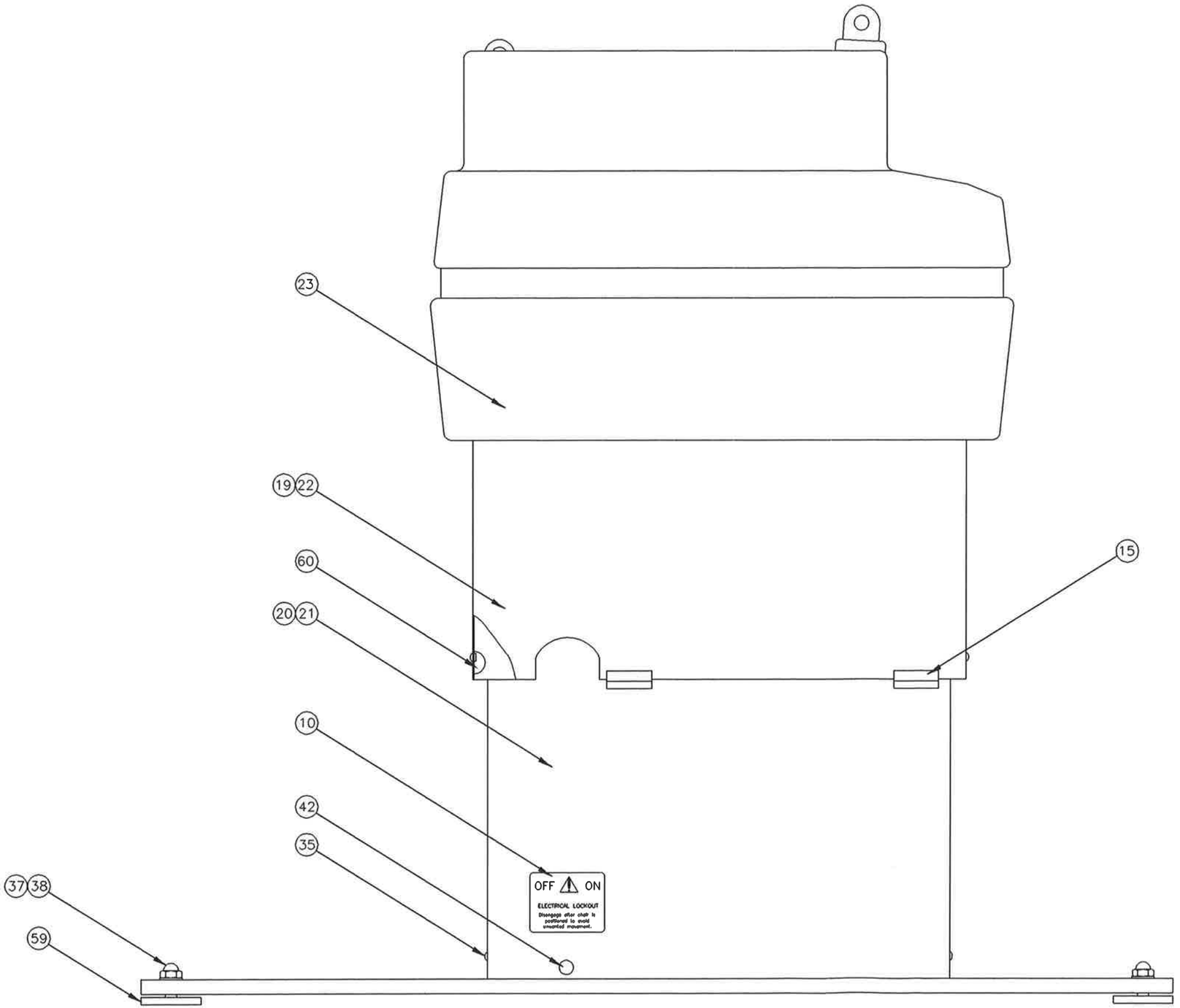
PART NAME: 525 MODEL BASE ASSEMBLY

PART NUMBER: 5259022

DATE: 10/15/01

F | SHT 1 of 2 | REV ORG

| REV | DATE | DESCRIPTION |
|---|---|---|




| ITEM NUMBER | QUANTITY | PART NUMBER | DESCRIPTION |
|---|---|---|---|

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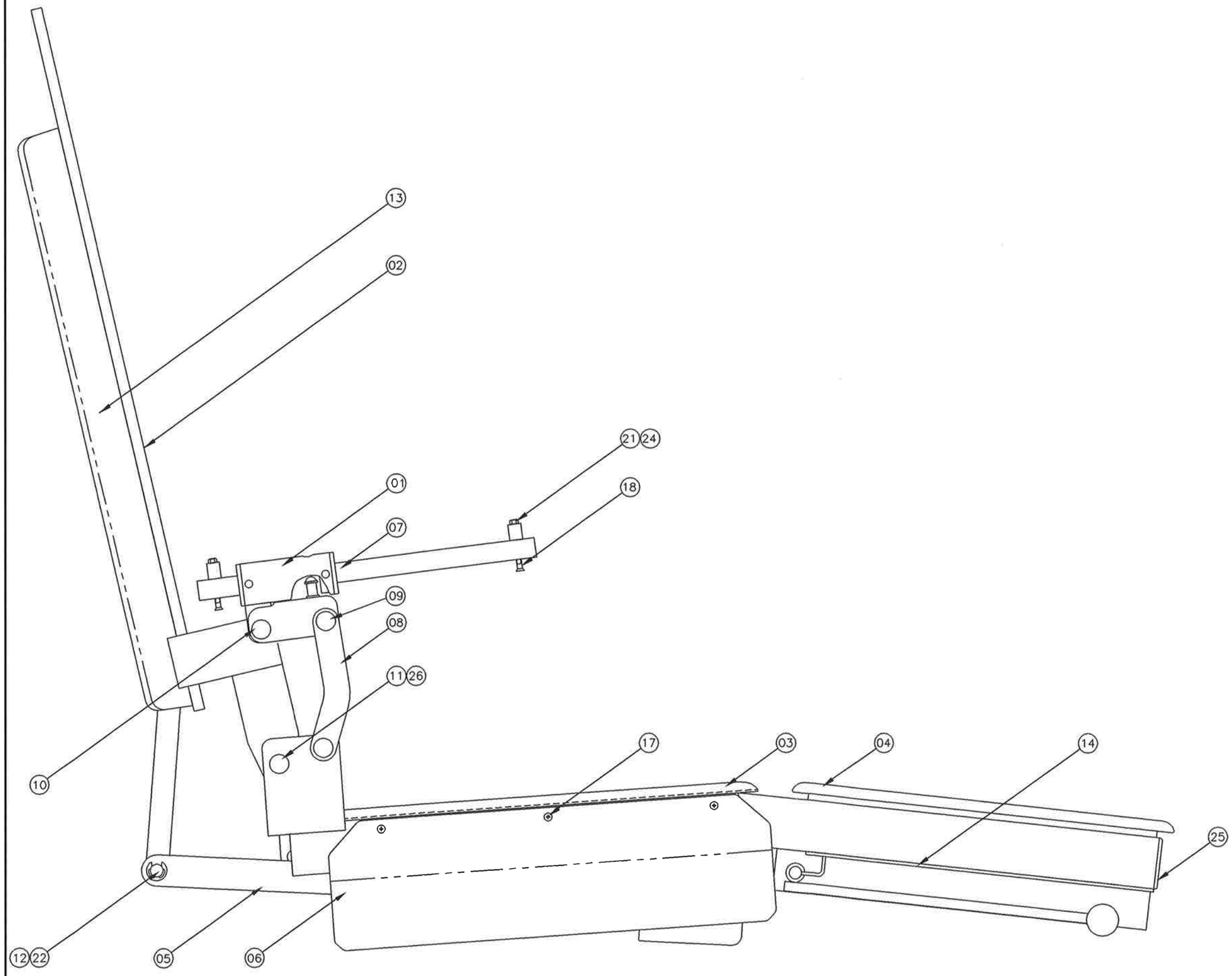
x .1
xx .015
xxx .005
ANGLES ± 1/2°
EDGE BREAK ALL
EDGES TO .01/.03 R

PART NAME: 525 MODEL BASE ASSEMBLY

PART NUMBER: 5259022

DATE: 10/15/01
SHT 2 OF 2 REV ORG

| REV | DATE | DESCRIPTION |
|---|---|---|
| | | |




| ITEM NUMBER | QUANTITY | PART NUMBER | DESCRIPTION |
|---|---|---|---|
| 25 | 8 | 055002 | PLASTIC SHOULDER BOLT CAP |
| 25 | 2 | 055001 | 1 x 2 RECTANGULAR END CAP |
| 24 | 4 | 047003 | NYLON SPACER |
| 23 | 8 | 047002 | 1/2 ID x 1/8 THK PLASTIC WASHER |
| 22 | 4 | 046014 | 1/2" E-CLIP |
| 21 | 4 | 040036 | #10-24 NYLOCK NUT |
| 20 | 2 | 032103 | 1/4-20 x 1-/1/2 PAN HD PHIL SCREW |
| 19 | 2 | 032100 | 1/4-20x3/4 PAN HD PHIL SCREW |
| 18 | 4 | 032073 | 10-24 x 2 PAN HD PHIL SCREW |
| 17 | 10 | 032054 | 8-32x1/2 PAN HD PHIL SCREW |
| 16 | 6 | 031356 | 8-32 x 3/8 UNDERCUT FHP SCREW |
| 15 | 2 | 031031 | 8-32x3/4 FLAT HD PHIL SCREW |
| 14 | 2 | 5251012 | FOOT SECTION LOCKING RAIL |
| 13 | 1 | 5251001 | BACK MOLDED COVER |
| 12 | 2 | 5001090 | 1/2 ø x 1.13 PIN |
| 11 | 4 | 5001037 | 3/8 x 1/2 SHOULDER BOLT |
| 10 | 2 | 5001012 | 1/2 x 5/8 SHOULDER BOLT |
| 09 | 2 | 5001011 | 1/2 x 1/2 SHOULDER BOLT |
| 08 | 2 | 5001010 | ARM REST TIE BAR |
| 07 | 2 | 5001004 | ARM REST BAR |
| 06 | 2 | 4301035 | SIDE PANEL |
| 05 | 1 | 5259017 | BACK MOTOR(200mm A) ASSEMBLY |
| 04 | 1 | 5259003 | FOOT SECTION ASSEMBLY |
| 03 | 1 | 5259002 | SEAT WELDMENT |
| 02 | 1 | 5259001 | BACK WELDMENT |
| 01 | 2 | 5009006 | ARM REST PIVOT ASSEMBLY |

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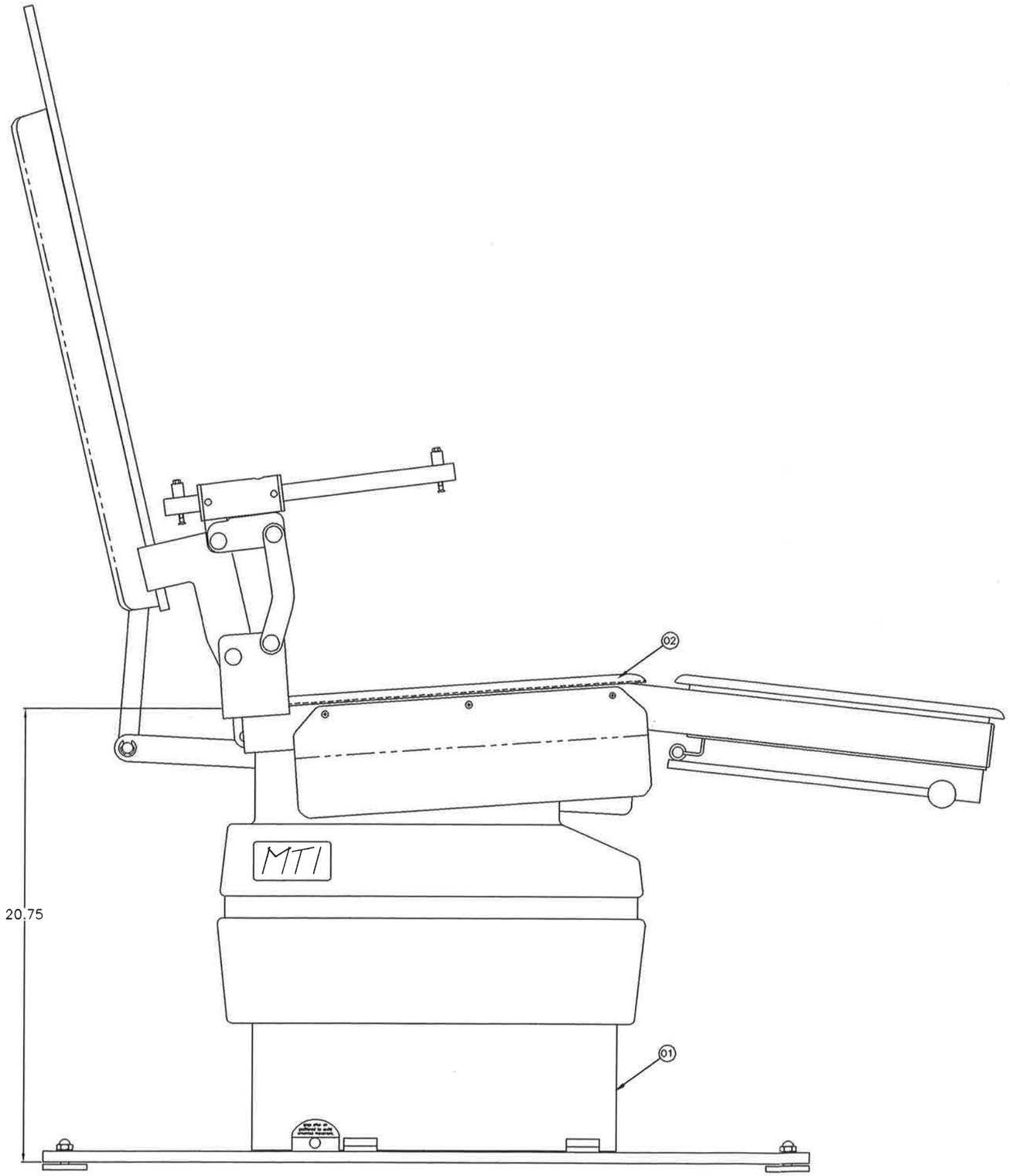
x .1
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ANGLES 1 1/2°
EDGE BREAK ALL
EDGES TO .01/.03 R

524/~~252~~ 525 CHAIR
PART NAME TOP ASSEMBLY

PART NUMBER 5259023

DATE 7/1/02
F SHT 1 OF 2 ORG REV

| REV. | DATE | DESCRIPTION |
|---|---|---|
| | | |




| ITEM NUMBER | QUANTITY | PART NUMBER | DESCRIPTION |
|---|---|---|---|
| 24 | 1 | 073006 | OWNER'S MANUAL |
| 23 | 4 | 068007 | 1/4-20 x 3 CARRIAGE BOLT |
| 22 | 3 | 059057 | BANDING CLIP |
| 21 | 1 | 059042 | ALL-IN-ONE PALLET |
| 20 | 1 | 059034 | SHIPPING BOX |
| 19 | 36" | 059053 | BOXING BANDING |
| 18 | 10" | 059017 | FOAM WRAP PACKAGING |
| 17 | 2 | 059007 | PACKING LIST ENVELOPE |
| 16 | 4 | 058007 | 1/4-20x3 CARRIAGE BOLT |
| 15 | 4 | 051064A | POWER CORD |
| 14 | 1 | 051039 | SURGE PROTECTOR |
| 13 | 1 | 049001 | DEBRY TRAY |
| 12 | 6 | 046014 | 1/2" E-CLIP |
| 11 | 8 | 045170 | 1/4 FENDER WASHER |
| 10 | 4 | 045032 | 3/8 FLAT WASHER |
| 09 | 4 | 040010 | 1/4-20 HEX NUT |
| 08 | 1 | 5251044 | SERIAL TAG LABEL |
| 07 | 1 | 5001090 | 1/2 ø x 1.13 PIN |
| 06 | 1 | 4001183 | GROUND LABEL |
| 05 | 2 | 4001016 | 1/2 ø x 2.75 PIN |
| 04 | 1 | 1001185 | CAUTION, READ OWNERS MANUAL LABEL |
| 03 | 2 | 1001180 | MTI LOGO LABEL |
| 02 | 1 | 5259023 | 524/525 CHAIR TOP ASSEMBLY |
| 01 | 1 | 5259022 | 525 BASE ASSEMBLY |

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v .1
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vvv .005
ANGLES ± 1/2°
EDGE BREAK ALL
EDGES TO .017/.03 R

PART NAME: ETL LISTED, 115 V 525 CHAIR

PART NUMBER: 5250011

DATE: 4/7/03

F | SHT 1 OF 4 | ORG REV