

# CORE LABS

RADIOGRAPHIC  
USA

## INSTALLATION & SERVICE MANUAL

### "atlas" & "aries"

ELEVATING TABLE WITH FLOATING TOP (6-WAY)

MODEL# 05-000

MANUAL: 05-ATLAS REVISION 6.6 DATE 04.17.17



## TRANSPORTATION DAMAGES

All packages should be closely examined at the time of delivery.

If damage is apparent, have a notification of "bad order" placed by the delivering driver on all copies of the freight or express bill. If damage is of a concealed nature, notify the transportation agent as soon as possible to make an "inspection report of damage" but, in any event, not later than 3 days after delivery. A transportation company usually will not pay a claim for concealed damage if an inspection is not requested within this 3-day period. If the shipment was handled by a moving van service, uncrated, call immediately when any damage is found. Do not attempt to call any local agent. At this time, be ready to describe the type of damage, type of equipment, serial number and, if possible, the job number. The above paragraph is in regard to equipment requiring installation only, and does not apply to supply items. The F.O.B. point for these item is as shown in your quotation.

## SECTION 1 – DESCRIPTION

- 1.1 GENERAL
- 1.2 DESCRIPTION
  - 1.2.1 TABLETOP LOCKS
  - 1.2.2 ELEVATION
  - 1.2.3 TABLETOP MOVEMENT
  - 1.2.4 BUCKY
- 1.3 SPECIFICATIONS
- 1.4 OPTIONS
- 1.5 DIMENSIONS

## SECTION 2 - INSTALLATION

- 2.1 GENERAL
- 2.2 UNPACKING AND HANDLING
- 2.3 REQUIRED TOOLS
- 2.4 MECHANICAL INSTALLATION
- 2.5 MOUNTING THE TABLE TOP
- 2.6 ELECTRICAL CONNECTIONS

## SECTION 3 – RECOMMENDED MAINTENANCE

## SECTION 4 – SCHEMATICS & DIAGRAMS

## SECTION 5 – ASSEMBLY DRAWINGS

## SECTION 1 DESCRIPTION

### 1.1 GENERAL

This manual contains installation and service instructions for the "atlas" Elevating 6-Way Table.

### 1.2 DESCRIPTION

The "atlas" Elevating 6-Way Table is built for convenient positioning of a patient under an x-ray tube. The 84" tabletop, combined with the extended bucky travel, allows full patient coverage with less tabletop travel and can accommodate a smaller room.

The Bucky can be moved independently.

The "atlas" table is designed as a "standalone" system, consisting of a plug-in cable and single board interface compatible with standard x-ray equipment.

#### 1.2.1 TABLETOP LOCKS

The tabletop locks are released by applying foot pressure to one of the pedals located on both ends of the table front, marked "LOCKS". This will disable the 24VDC from tabletop locks and free tabletop for longitudinal and transverse movement simultaneously.

#### 1.2.2 ELEVATION

Tabletop height is adjustable from 22" to 34" to accommodate ambulatory, wheel chair, or gurney patients. Easier transfer is accomplished for both patient and operator. With the "atlas" Elevating Table the operator can easily and quietly elevate and accurately position a patient weighting up to 650 pounds. When installed with compatible equipment and "continuous SID monitor" option, positioning and exposure can be accomplished at any table height.

### 1.2.3 TABLE TOP MOVEMENT

The "atlas" Elevating 6-Way Table has a four-way tabletop movement, plus/minus 17" longitudinal, and plus/minus 5" transverse -- locked in position by a set of power-on electro-magnetic locks.

The vertical movement is motorized and controlled by pressing pedals marked "UP" or "DOWN".

### 1.2.4 BUCKY

The Bucky is placed in the Bucky frame located under the tabletop and has a film plane distance to the tabletop of approximately 2.30 inches (Depending on the model and configuration used).

Longitudinal Bucky movement is accomplished by pressing the switch located at the right side of the Bucky.

### 1.3 SPECIFICATIONS

Power requirement: 115 VAC, 50/60 Hz, 10 Amps (15 amp breaker).

Maximum patient weight: 650 lbs.

Compliance: CDRH 21 CFR, Chapter 1, Subchapter J at time of manufacture.

### 1.4 OPTIONS

Continuous SID Interface

Patient Hand Grips

Carbon Fiber Tabletop

Bucky

Tray

Ion Chamber

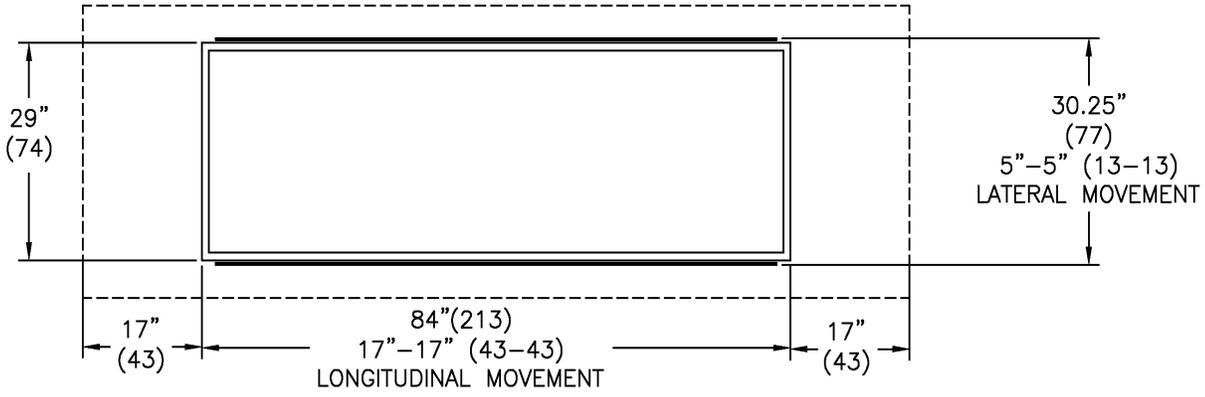
Grid

Lateral Cassette Holder

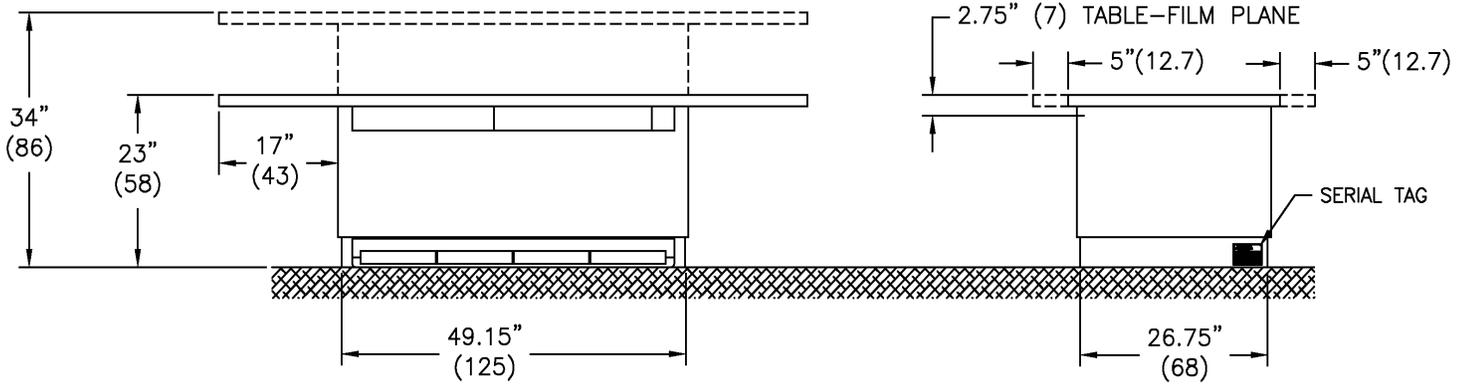
## 1.5 DIMENSIONS

- |    |                                 |                                 |
|----|---------------------------------|---------------------------------|
| 1. | Tabletop:                       | 84" x 30.25" (2134 mm x 768 mm) |
| 2. | Tabletop Height (motor driven): | 23" – 34" (584 mm to 864 mm)    |
| 3. | Side Clearance:                 | plus/minus 17" (864 mm)         |
| 4. | Front & Back Clearance:         | plus/minus 5" (127 mm)          |
| 5. | Table Pedestal Length:          | 50.75" (1289 mm)                |
| 6. | Table Pedestal Width:           | 28.37" (721 mm)                 |

TRANSPORTATION WEIGHT: 620 lbs.



PLAN



FRONT ELEVATION

SIDE ELEVATION

## SECTION 2            INSTALLATION

### 2.1      GENERAL

This section contains installation procedures of the “atlas” table and ancillary equipment.

Because this table will be installed and interfaced with other system components, installer should consult and reference related component service manuals and installation requirements to insure compatibility and safety.

### 2.2      UNPACKING AND HANDLING

Upon receipt of the table, carefully inspect it for damage, which may have occurred during shipment. If there is any evidence of mishandling or damage, promptly document the damage and notify the carrier.

## CAUTION

Use suitable lifting devices for transporting the table to the installation site.  
Place all components as close as possible to the installation area to avoid excessive movement after unpacking.

### 2.3      REQUIRED TOOLS

- \*Lifting devices suitable for transporting the Table.
- \*Level – 5 foot long.
- \*Standard set of hand tools for table installation.

## CAUTION

All local building codes and regulations for electrical and mechanical requirements must be adhered to.

## 2.5 MECHANICAL INSTALLATION

- a. Transport the table body package as close as possible to the installation place.
- b. Unpack table body package.
- b. Loosen the side screw on the upper front cover.
- c. Lift the cover up and away from the table.
- d. Remove the red shipping bracket as shown on Figure 2-5. This shipping bracket may or may not be present, depending on your packaging style -- if it is not present, ignore this section.

Figure 2-5

- e. Ensure that the table is parallel to and in the proper distance from the tubestand rails.
- f. Use the four mounting holes as a template and mark the position of the anchor bolts. IT IS RECOMMENDED NOT TO DRILL AND ANCHOR ANY TABLE INTO PLACE UNTIL YOU ARE ABSOLUTELY SURE OF THE POSITION REQUIRED (POSITION IN RELATION TO THE TUBE STAND/CRANE AND/OR WALL STAND).
- g. The mounting holes are in each corner of the table near the leveling feet (4 thru-holes in the steel gussets).

Anchor the table using one of the following methods:

- a. If the floor is concrete, use all purpose anchor bolt-for concrete, block & brick. We suggest removable hardware with sunk-in anchors 3/8 diameter. Use of hardware with permanently protruding studs will make for table relocation difficult).
- b. If the floor is not concrete, drill through and use suitable mounting hardware.

Place the level on the table and adjust the leveling screws as necessary to level the table base. Secure the table in place with hardware described above

If not already installed, place Bucky in Bucky Mounting Frame and secure with screws.

Attach the plastic Bucky cover and fasten with provided Bucky finger guards on front and back of Bucky.

### 2.5.1 MOUNTING THE TABLETOP

.....your tabletop is shipped in a separate crate from the table base.....

- a. Remove the retaining screws to the longitudinal lock and allow the lock to hang free. Your longitudinal lock will likely not be installed but ensure it is not for the tabletop cannot be installed with the longitudinal lock assy affixed in its mounting place. Failure to remove this longitudinal lock assembly will prevent tabletop installation and the longitudinal lock assembly can be permanently damaged.
- b. Remove the retaining screws and stops angle/rubber bumper from the tabletop to allow top to slide over the module assembly. There are two of these but you likely only need to remove one side.
- c. Position the tabletop so that the longitudinal lock strip on the underside of the table will be at the back of the table where the longitudinal lock assembly wire harness is located. SLOWLY slide the Tabletop on to the module assembly making sure that all bearings are inside the channels.
- d. Use a 5/8" open-end wrench to adjust the eccentrics behind the four vertical bearings. This is likely not necessary as your tabletop was adjusted prior to shipment. Adjust until there is minimal vertical movement and the tabletop moves freely (see item 8 on DWG 511018).
- e. Adjust the two transverse locating bearings until there is a minimal transversal movement and the Tabletop moves freely. Again, this is likely not necessary as your tabletop was adjusted prior to shipment.
- f. Reattach the stop angle/rubber bumper(s).
- g. Re-attach the longitudinal lock -- adjust lock distance to brake strip with setscrews on back flange of mounting bracket.

### 2.6 ELECTRICAL CONNECTIONS

The "atlas" elevating table requires a 115 VAC, 15 Amps 60/50 Hz electrical connection (alternate 240VAC wiring is provided).

For more electrical details, please refer to ELECTRICAL SCHEMATICS AND DIAGRAMS

## SECTION 3 RECOMMENDED MAINTENANCE

To achieve optimal table performance and long lasting operation, the following basic maintenance procedures should take place every six months:

- Clean and check Table Top bearings and tracks -- the longitudinal bearings are meant to run sealed, not maintainable. The transverse bearing assy's and bars can be cleaned with a dry cloth and lubricated with a light film of white lithium grease.

- Check Bucky operation
- Check Bucky Tray
- Check Locks operation and wires external condition
- \*\*\*VERIFY WIRES TO LOCK ASSY'S ARE IN GOOD CONDITION AND NOT RUBBING AGAINST ANY MOVING PARTS\*\*\*

CoRE labs ENGLEWOOD, CO U.S.A.

T. 303.761.0131 F. 303.948.8913 [www.corelabshome.com](http://www.corelabshome.com)

FORM: MANUAL-05-ATLAS

## SECTION 4 ELECTRICAL SCHEMATICS AND DIAGRAMS

- |    |        |                         |
|----|--------|-------------------------|
| 1. | *****  | Wiring Chart            |
| 2  | 502001 | Wiring Diagram          |
| 3  | 502002 | Table Control Schematic |

## SECTION 5 ASSEMBLY DRAWINGS

The following drawings will be helpful for construction understanding and parts ordering:

- |    |          |  |
|----|----------|--|
| 1  | 511000-D | "atlas" Elevating Pedestal Table – Dimensions          |
| 2  | 511000   | "atlas" Elevating Pedestal Table                       |
| 3  | 511002   | Frame / Scissor  |
| 4  | 511011   | Switch Plate   |
| 5  | 511013   | Pedal  |
| 6  | 511018   | Table Top Module                                       |
| 7  | 511022   | Longitudinal Lock                                      |
| 8  | 511023   | Transverse Lock  |
| 9  | 511024   | Table Top  |
| 10 | 511026   | Block & Bearing  |
| 11 | 511028   | Ball Bearing   |
| 12 | 511030   | Bucky Lock   |
| 13 | 511034   | Bucky Switch   |
| 14 | 511040   | Bucky Mounting Frame                                   |
| 15 | 511211   | Potentiometer (Continuous S.I.D. Tracking Option Only) |



## ATLAS / ARIES WIRING INFORMATION

## ION CHAMBER CABLE

Ion Chamber	Description	Color	PCB
1	IC voltage N/R	Black	P14-1
2	Field 2 Select	Red	P14-2
3	Field 1 Select	Orange	P14-3
4	Reset	Yellow	P14-4
5	Output	Green	P14-5
6	Field 3 Select	Blue	P14-6
7	- Supply	Violet	P14-7
8	+ Supply	Gray	P14-8
9	Ground	White	P14-9

Or Shielded Assy

## SIZE SENSING

15 cond. cable

Bucky Term.	Description	Color	Table TB1
1 - 4	X - Y Common	Green	25
5	Y Sense	Violet	26
8	X Sense	Red	27
2 - 3 - 6	Input	Gray	28
7	Cassette Present	Brown	29

## BUCKY

Bucky Term.	Description	Color	Table TB1
See Bucky Mfr. Info - Various Types/Variou Wiring		Orange	30
		Yellow	31
		Blue	32
		White	33
		Black	34

## BUCKY SW / LOCK

	Description	Color	Table TB1
P28-3	24 vdc ret.	Red / Black	21
P28-1	Bucky Lock	Red / Gray (Green)	24
J27-3	24 vdc	Pink	22
J27-1	Bucky Sw.	Red / Orange	23

## P 20

P 20	Description	Color	Table TB1
* 1	Exp 1	Black	19
2	Bucky Sw	White	23
3	24 vdc	Blue	22
* 4	Exp 2	Red	20
5	Bucky Lock	Brown	24
6	24 vdc ret.	Green	21

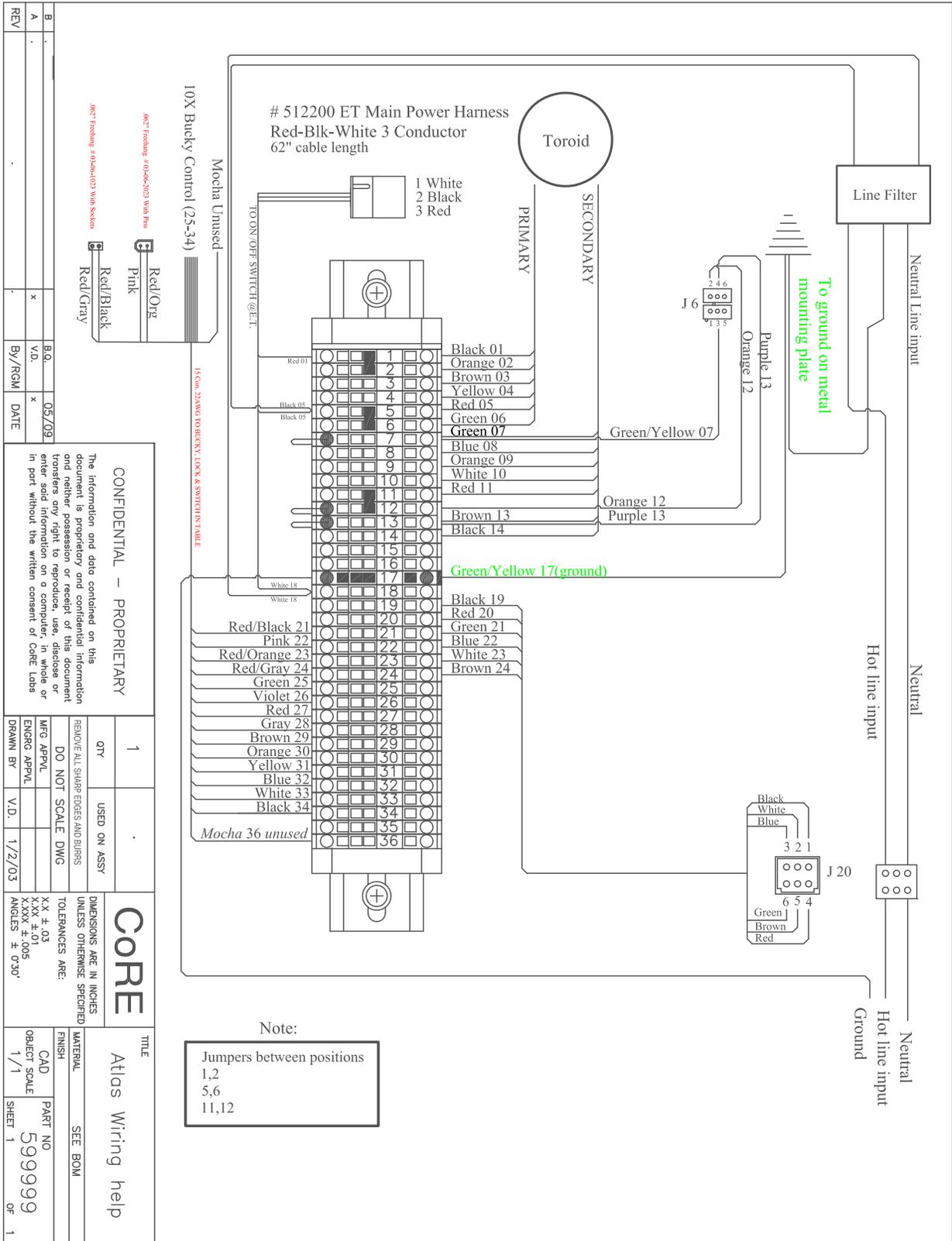
## FOOT SWITCHES

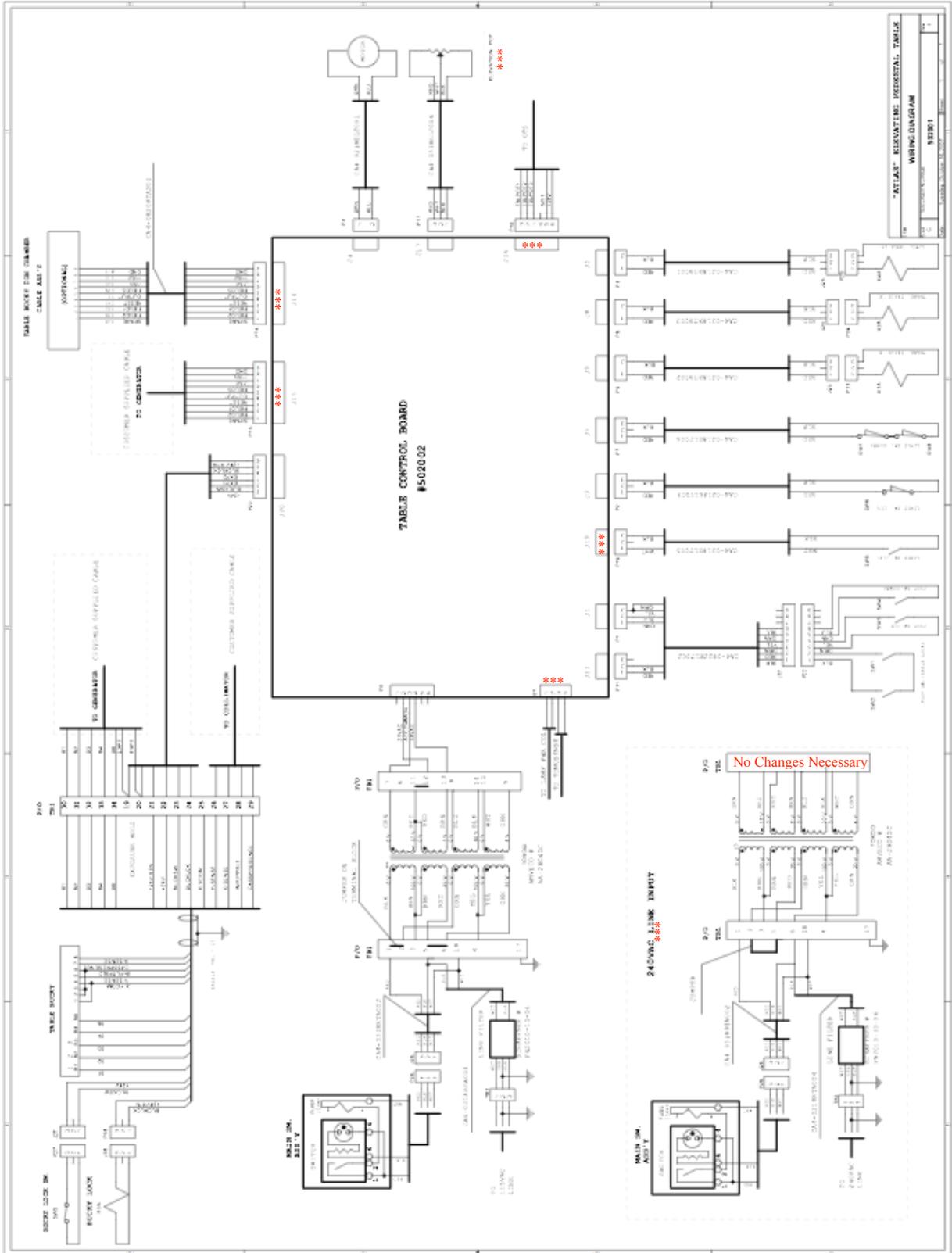
FT. Sw	Description	Color	Table PCB
Lock Sw NO	Lock Switch	Red	P11-1
Lock Sw C	Lock Sw	Black	P11-2
Up Sw NO	Up	Orange (Brown)	P1-1
Dn Sw NO	Down	Blue (White)	P1-2
Up/Dn Sw C	Up/Down Common	Green	P1-3

## (ALTERNATE COLORS)

\*P20, position 1 & 4 are for use with Non-CoRE labs tables in conjunction with J19 (limit switch for "working-height" or "top-height").

FOR REFERENCE ONLY -- USE BUCKY MANUFACTURER SUPPLIED WIRING INFORMATION





\*\*\*OPTIONAL CONFIGURATION/CONNECTIVITY SHOWN WITH ASTERISKS\*\*\*

## OPTIONAL 240VAC CONNECTIVITY

Your atlas table has been wired for 115VAC connectivity.

To reconfigure your table to accept 240VAC input, make the following changes:

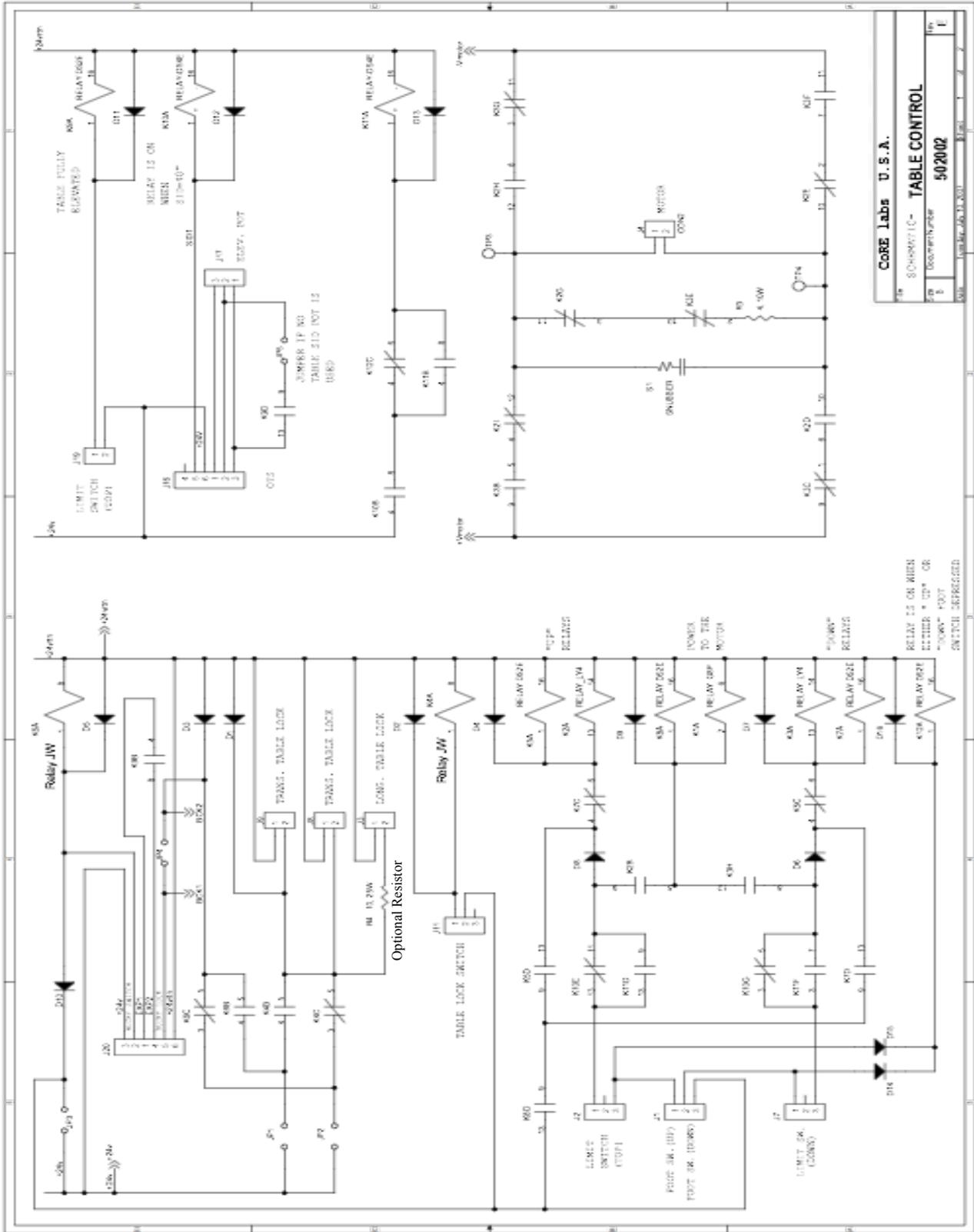
**\*\*\*\*\*Turn off power at breaker for safety\*\*\*\*\***

On the main table PC board, disconnect P6 from J6 during this process. You will reconnect it later after wiring changes are complete and output test is performed (output test from P6).

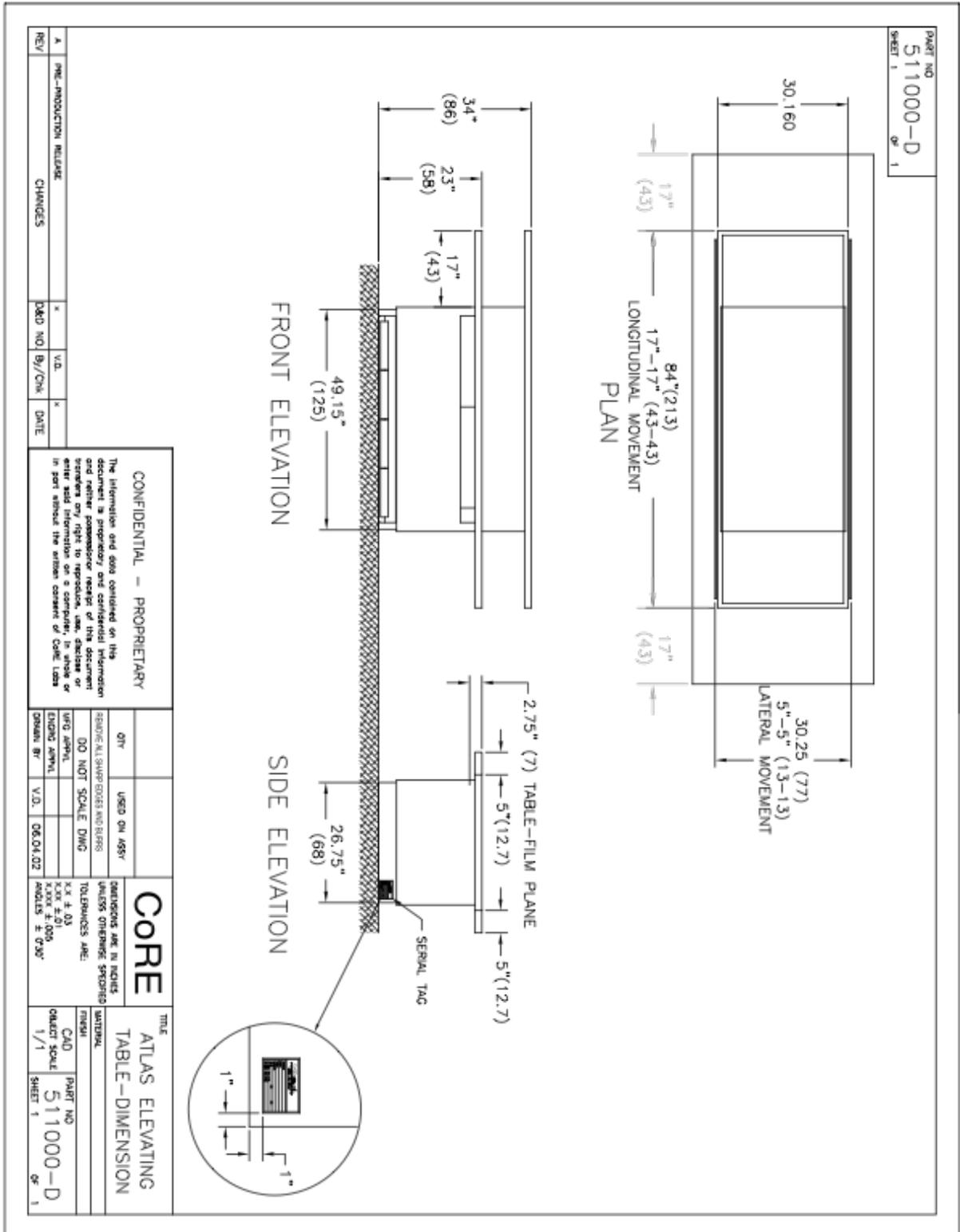
- A. On TB1 -- main terminal strip shown on page 12 above, **remove jumpers** from between **1&2, 5&6, 11&12**. Discard these as they will not be needed.
- B. This installation is assuming your 240VAC is supplied with twin hot (2 independent) leads. Other 240VAC connections are not supported. Connect your twin, 240VAC hot leads into outside positions on the 3-position Euro Strip table input (TB2). Be sure to connect a third conductor for a ground to the middle Euro Strip terminal.
- C. Create a Jumper from a spare piece of 18AWG 300V insulated or better wire, 5 inches long. Connect this jumper from TB1 - position 2, to TB1 - position 5.
- D. From Main Table On/Off Assembly connected to TB1 (Main SW Assy), remove black wire out of TB1- position 5, and reinstall it to TB1 - position 6 (as shown on document number 502001 in 240VAC line input subsection).

**Turn power back on at breaker and be mindful of electrical safety when performing the following test as there will be dangerous voltage present at any and all wires/terminals/connections.**

Verify that you have approximately 24VAC outputting from the Line/Switch/Toroid/TB1. To do this verification, find the previously disconnected P6. You should find that 24VAC should be present between the Violet and Orange wires. Once you have verified that 24VAC is present, switch power off at main table switch (Main SW Assy) and then reconnect P6 to J6 on your main PC board. Your conversion to 240VAC line input is now complete.







PART NO 511000 SHEET 1 OF 2		BILL OF MATERIAL			
26	541111	COVER	1		
27	541112	COVER	1		
28	511017	PANEL BOX	1		
29	511012	ASSY-PCB PLATE	1		
30	541117	COVER	1		
31	511019	HAND GRIP	2		
32	531130	BRACKET-TRANSVERS. LOCK	2		
33	541152	ANGLE-BUMPER STOP	2		
34	907-032-06-10	SCR.#10-32x.38 TRUSS HD	32		
35	904-032-06-04	SCR.#10-32x.38 PAN HD	27		
36	902-032-08-02	SCR.#10-32x1/2 BUTT. HD	4		
37	901-032-08-02	SCR.#10-32x1/2 SOC. HD	8		
38	907-632-04-04	SCR #6-32x1/4 TRUSS HD	4		
39	907-832-04-04	SCR #8-32x1/4 TRUSS HD	8		
40	904-632-04-02	SCR #6-32x1/4 PAN HD	14		
41	902-0420-08-02	SCR 1/4-20x1/2 BUTT HD	2		
42	905-032-06-04	SCR.#10-32x3/4 FLAT HD	4		
43	901-032-10-02	SCR.#10-32x5/8 SOC. HD	12		
44	904-032-08-04	SCR.#10-32x1/2 PAN HD	3		
45	930007	FLAT WASHER #10	18		
46	901-032-20-02	SCR.#10-32x1.25 SHMS	1		
47	922007	KEPS NUT #10-32	1		
48	930006	LOCK WASHER #10	8		
49	990001	LOCITTE (BLUE)	A/R		
50	511211	ASSY.-POT	1		
51	904-032-22-04	SCR.#10-32x1.38 PAN HD	2		
		ITEM	PART NO.	DESCRIPTION	QTY
		1	511040	BUCKY MOUNTING FRAME	1
		2	581124	HIGH SPEED BUCKY	1
		3	511002	SCISSOR FRAME ASSY	1
		4	541004	PANEL-FRT. LOW. FIXED	1
		5	511005	LOWER SHROUD -WELD.	1
		6	531006	SHIPMENT BRACKET	1
		7	511011	SWITCH PLATE ASSY	1
		8	511008	UPPER SHROUD - WELD.	1
		9	541091	FRONT PANEL	1
		10	511013	PEDAL ASSY	1
		11	511018	TABLE TOP MODULE ASSY	1
		12	511009	ASSY-FINGER GUARD	2
		13	511022	LONG TOP LOCK ASSY	1
		14	511023	TRANS. LOCK ASSY	2
		15	511024	TABLE TOP ASSY	1
		16	541141	TRACK-FRONT BUCKY	1
		17	541142	TRACK-REAR BUCKY	1
		18	541143	COVER-LH BOTTOM	1
		19	541144	COVER-RH BOTTOM	1
		20	571145	COVER-BUCKY	1
		21	541146	CLIP-FRONT COVER	3
		22	571219	BUCKY STOPPER	2
		23	541155	COVER-BUCKY TERMINAL	1
		24	541157	SPACER-FRONT COVER CLIP	3
		25	511030	BUCKY LOCK	1

8	PRE-PRODUCTION RELEASE	DATE	03/28/03
A	CHANGES	DATE	

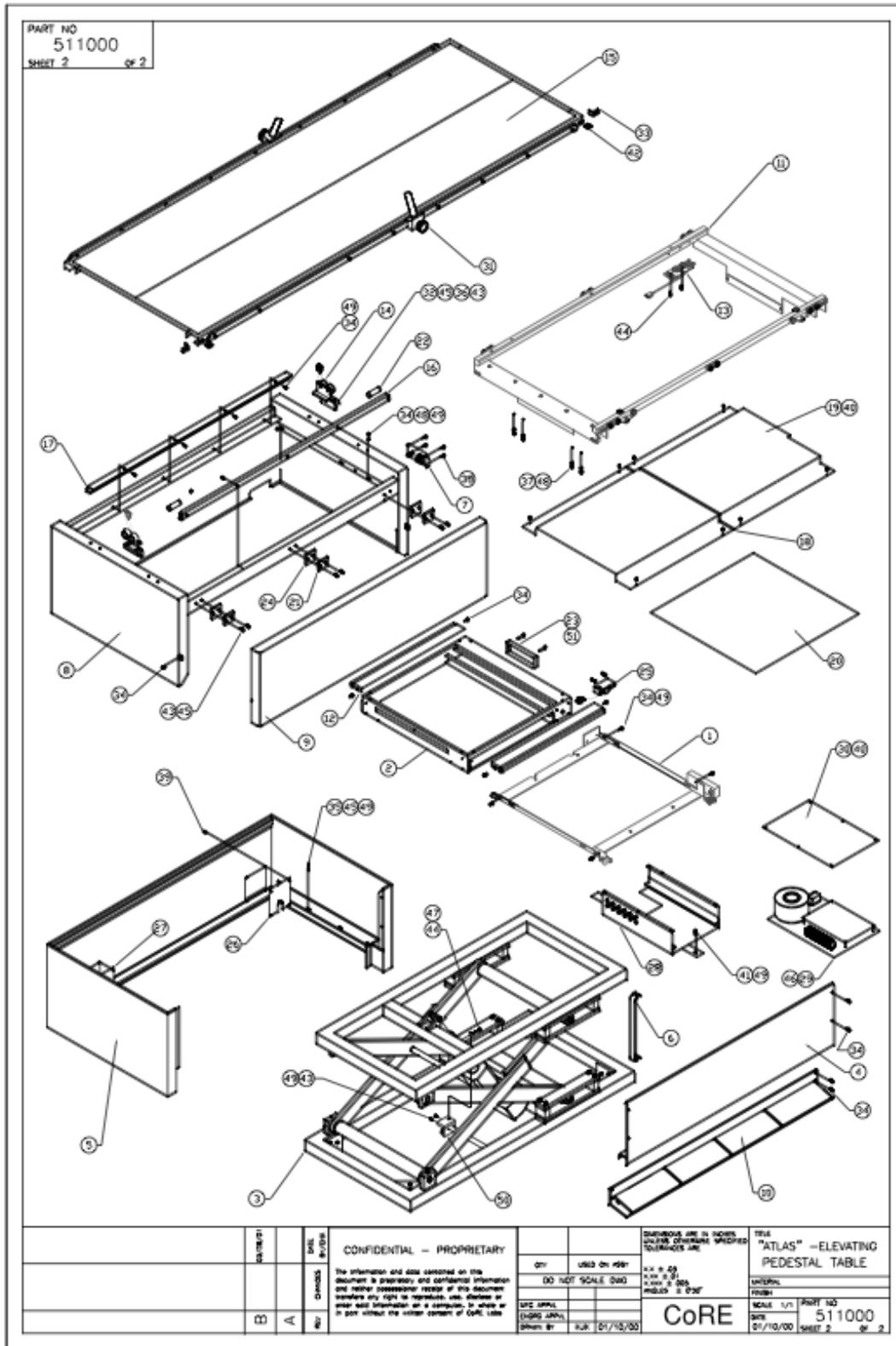
The information and data contained on this document is proprietary and confidential information and neither possession nor use of this document is to be disclosed to any third party without the written consent of CoRE Labs

**CONFIDENTIAL - PROPRIETARY**

QTY	USED ON ASSY	CHANGING ARE IN INCHES UNLESS OTHERWISE SPECIFIED
DO NOT SCALE DIMS		TOLERANCES ARE:
		X.X ± .03
		X.XX ± .005
		ANGLES ± .05°

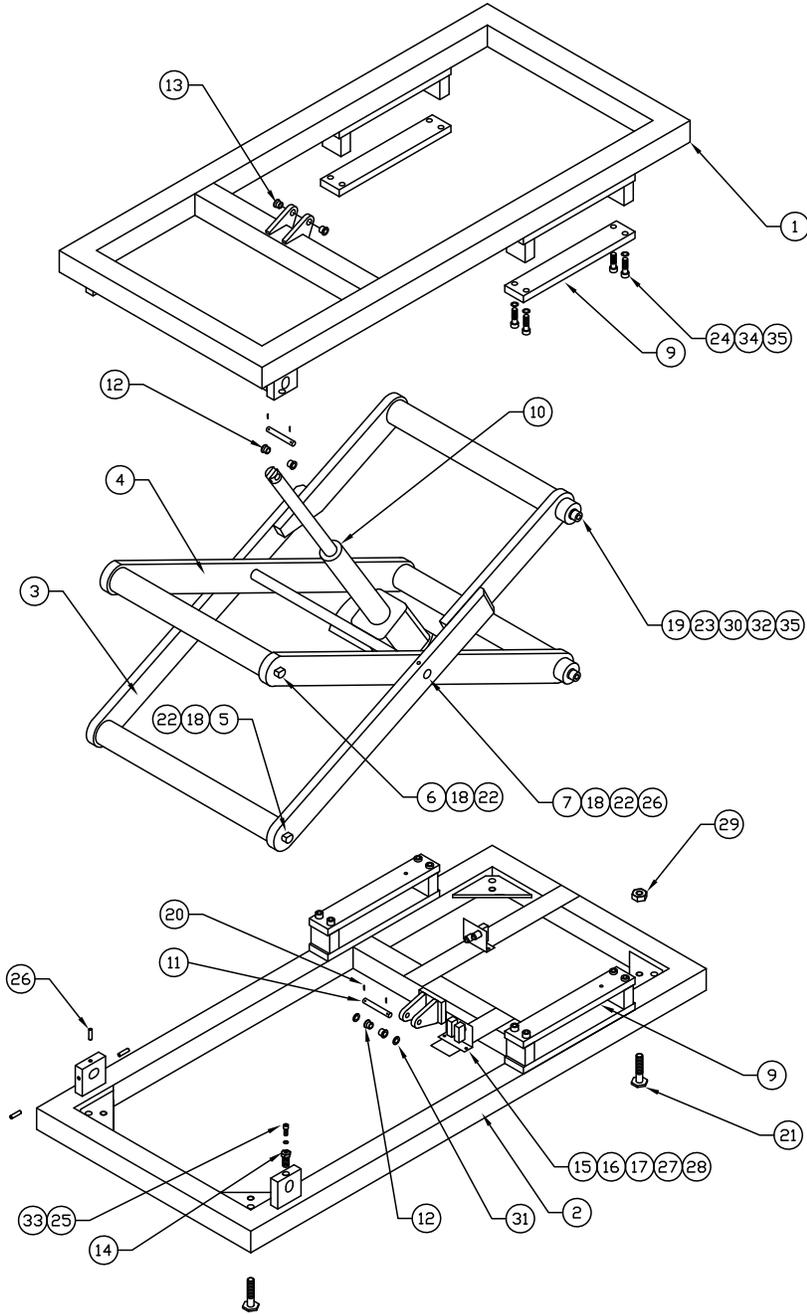
TITLE "ATLAS" -ELEVATING PEDESTAL TABLE

FRISH	CAD	PART NO
1/1	1/1	511000
		SHEET 1 OF 2



PART NO <b>511002</b> SHEET 1 of 2																																																																																													
	BILL OF MATERIAL																																																																																												
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">ITEM</th> <th style="width: 20%;">PART NO.</th> <th style="width: 55%;">DESCRIPTION</th> <th style="width: 20%;">QTY</th> </tr> </thead> <tbody> <tr><td>1</td><td>521005</td><td>TOP FRAME ASS'Y</td><td>1</td></tr> <tr><td>2</td><td>521006</td><td>BASE FRAME ASS'Y</td><td>1</td></tr> <tr><td>3</td><td>521008</td><td>SCISSOR-OUTER</td><td>1</td></tr> <tr><td>4</td><td>521007</td><td>SCISSOR-INNER</td><td>1</td></tr> <tr><td>5</td><td>531066</td><td>SCISSOR SHAFT</td><td>1</td></tr> <tr><td>6</td><td>531067</td><td>SCISSOR SHAFT</td><td>1</td></tr> <tr><td>7</td><td>531068</td><td>SCISSOR SHAFT</td><td>1</td></tr> <tr><td>8</td><td></td><td>TRACK-UPPER</td><td>4</td></tr> <tr><td>9</td><td>531052</td><td>ACTUATOR-MACH.</td><td>1</td></tr> <tr><td>10</td><td>531188</td><td>CLEVIS PIN-UPPER/LOWER</td><td>2</td></tr> <tr><td>11</td><td>531056</td><td>BRONZE BEARING</td><td>4</td></tr> <tr><td>12</td><td>551110</td><td>BRONZE BEARING-MACH.</td><td>2</td></tr> <tr><td>13</td><td>551110-2</td><td>BUSHING SHAFT</td><td>2</td></tr> <tr><td>14</td><td>531055</td><td>BRACKET-LIMIT SWITCH</td><td>2</td></tr> <tr><td>15</td><td>541071</td><td>SWITCH</td><td>4</td></tr> <tr><td>16</td><td>551042</td><td>NUT PLATE</td><td>2</td></tr> <tr><td>17</td><td>531070</td><td>BUSHING</td><td>6</td></tr> <tr><td>18</td><td>551059</td><td>CAM FOLLOWER ø1.75x1.08</td><td>4</td></tr> <tr><td>19</td><td>929015</td><td>COTTER PIN</td><td>4</td></tr> <tr><td>20</td><td>961003</td><td>SCREW-LEVELER</td><td>4</td></tr> <tr><td>21</td><td>531039</td><td>SPACER</td><td>4</td></tr> <tr><td>22</td><td>531166</td><td></td><td>A/R</td></tr> </tbody> </table>	ITEM	PART NO.	DESCRIPTION	QTY	1	521005	TOP FRAME ASS'Y	1	2	521006	BASE FRAME ASS'Y	1	3	521008	SCISSOR-OUTER	1	4	521007	SCISSOR-INNER	1	5	531066	SCISSOR SHAFT	1	6	531067	SCISSOR SHAFT	1	7	531068	SCISSOR SHAFT	1	8		TRACK-UPPER	4	9	531052	ACTUATOR-MACH.	1	10	531188	CLEVIS PIN-UPPER/LOWER	2	11	531056	BRONZE BEARING	4	12	551110	BRONZE BEARING-MACH.	2	13	551110-2	BUSHING SHAFT	2	14	531055	BRACKET-LIMIT SWITCH	2	15	541071	SWITCH	4	16	551042	NUT PLATE	2	17	531070	BUSHING	6	18	551059	CAM FOLLOWER ø1.75x1.08	4	19	929015	COTTER PIN	4	20	961003	SCREW-LEVELER	4	21	531039	SPACER	4	22	531166		A/R
ITEM	PART NO.	DESCRIPTION	QTY																																																																																										
1	521005	TOP FRAME ASS'Y	1																																																																																										
2	521006	BASE FRAME ASS'Y	1																																																																																										
3	521008	SCISSOR-OUTER	1																																																																																										
4	521007	SCISSOR-INNER	1																																																																																										
5	531066	SCISSOR SHAFT	1																																																																																										
6	531067	SCISSOR SHAFT	1																																																																																										
7	531068	SCISSOR SHAFT	1																																																																																										
8		TRACK-UPPER	4																																																																																										
9	531052	ACTUATOR-MACH.	1																																																																																										
10	531188	CLEVIS PIN-UPPER/LOWER	2																																																																																										
11	531056	BRONZE BEARING	4																																																																																										
12	551110	BRONZE BEARING-MACH.	2																																																																																										
13	551110-2	BUSHING SHAFT	2																																																																																										
14	531055	BRACKET-LIMIT SWITCH	2																																																																																										
15	541071	SWITCH	4																																																																																										
16	551042	NUT PLATE	2																																																																																										
17	531070	BUSHING	6																																																																																										
18	551059	CAM FOLLOWER ø1.75x1.08	4																																																																																										
19	929015	COTTER PIN	4																																																																																										
20	961003	SCREW-LEVELER	4																																																																																										
21	531039	SPACER	4																																																																																										
22	531166		A/R																																																																																										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">REV</th> <th style="width: 15%;">DATE</th> <th style="width: 15%;">BY/CHK</th> <th style="width: 15%;">DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>2/11/23</td> <td>NO</td> <td>SCALE 1/1</td> </tr> <tr> <td>A</td> <td></td> <td></td> <td>PRE-PRODUCTION RELEASE</td> </tr> <tr> <td></td> <td></td> <td></td> <td>CHANGES</td> </tr> </tbody> </table>	REV	DATE	BY/CHK	DESCRIPTION	8	2/11/23	NO	SCALE 1/1	A			PRE-PRODUCTION RELEASE				CHANGES																																																																												
REV	DATE	BY/CHK	DESCRIPTION																																																																																										
8	2/11/23	NO	SCALE 1/1																																																																																										
A			PRE-PRODUCTION RELEASE																																																																																										
			CHANGES																																																																																										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">1</td> <td style="width: 15%;">511000</td> <td style="width: 10%;">USED ON ASSY</td> <td style="width: 10%;"></td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;"><b>CORE</b></td> <td colspan="7"></td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">ASSY- FRAME/SCISSOR</td> <td colspan="7"></td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">TITLE</td> <td colspan="7"></td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">SIZE 80X</td> <td colspan="7"></td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">PART NO</td> <td colspan="7"></td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">511002</td> <td colspan="7"></td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">SHEET 1</td> <td colspan="7"></td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">OF 2</td> <td colspan="7"></td> </tr> </table>	1	511000	USED ON ASSY										<b>CORE</b>										ASSY- FRAME/SCISSOR										TITLE										SIZE 80X										PART NO										511002										SHEET 1										OF 2									
1	511000	USED ON ASSY																																																																																											
		<b>CORE</b>																																																																																											
		ASSY- FRAME/SCISSOR																																																																																											
		TITLE																																																																																											
		SIZE 80X																																																																																											
		PART NO																																																																																											
		511002																																																																																											
		SHEET 1																																																																																											
		OF 2																																																																																											
	<p style="text-align: center;">CONFIDENTIAL - PROPRIETARY</p> <p style="font-size: small;">The information and data contained on this document is proprietary and confidential information and neither possessor nor user of this document shall be held liable for any disclosure of confidential information in part without the written consent of Core Labs</p>																																																																																												

PART NO  
511002  
SHEET 2 OF 2



		CONFIDENTIAL - PROPRIETARY		1	511000	DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	TITLE	
		The information and data contained on this document is proprietary and confidential information and neither possession nor receipt of this document transfers any right to reproduce, use, disclose or enter said information on a computer, in whole or in part without the written consent of CoRE Labs		QTY	USED ON ASSY	X.X ± .03	FRAME/SCISSOR ASSEMBLY	
				DO NOT SCALE DWG		X.XX ± .01	MATERIAL	SEE SHEET 1
						X.XXX ± .005	FINISH	XXXX
A		REV	CHANGES	MFG APPVL		ANGLES ± 0°30'	SCALE 1/1 PART NO	
		DATE	BY/CHK	ENGRG APPVL			511002	
				DRAWN BY	KJK	01/17/00	DATE 01/17/00 SHEET 2 OF 2	

<p>REV A</p> <p>PRE-PRODUCTION RELEASE</p> <p>CHANGES</p> <p>DATE</p>	<p>DATE NO. BY/CHK</p>	<p>DATE</p>	<p>CONFIDENTIAL - PROPRIETARY</p> <p>The information and data contained on this document is proprietary and confidential information and neither possessor nor receipt of this document confers any right to reproduce, use, disclose or enter said information on a computer, in whole or in part without the written consent of CoRE Labs</p>	<p>QTY 1</p> <p>USED ON ASSY 511000</p> <p>REMOVE ALL SHARP EDGES AND BURRS</p> <p>DO NOT SCALE DWG</p> <p>UNFO UNFOLDED</p> <p>GRABBY BR</p> <p>NIK 03/26/00</p>	<p><b>CORE</b></p> <p>DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED</p> <p>TOLERANCES ARE:</p> <p>X.X ± .03</p> <p>X.XX ± .005</p> <p>ANGLES ± .03°</p>	<p>TITLE ASSY- PLATE SWITCH</p> <p>MATERIAL SEE BOM</p> <p>FINISH</p> <p>CAD PART NO. 511011</p> <p>QUANTITY SCALE 1/1 SHEET 1 OF 1</p>
---	------------------------	-------------	---	---	---	---

BILL OF MATERIAL			
ITEM	PART No.	DESCRIPTION	Q-TY
1	541105	SWITCH PLATE	1
2	551092	ILLUMINATED SWITCH	1
3	551093	FUSE HOLDER	1

PART NO <b>511013</b>		SHEET 1 OF 2	
<b>BILL OF MATERIAL</b>			
ITEM	PART NO.	DESCRIPTION	QTY
1	541103	PEDAL	1
2	531098	PLATE--PEDAL	4
3	531099	BLOCK--PEDAL	8
4	531100	BRACKET--PEDAL	8
5	531102	SHAFT--PEDAL	4
6	531101	BRACKET--SWITCH	4
7	551096	SWITCH SPDT	4
8	551104	TORSION SPRING	4
9	551097	ANTI-SLIP	4
10	904-032-06-04	PHMSP #10-32x3/8	16
11	904-256-10-01	PHMSP #2-56x5/8	8
12	905-032-08-04	FHMSP #10-32x1/2	8
13	915-032-06-20(CU)	HSET #10-32x3/8	8
14	915-1-0420-06-10	SCR. 1/4-20 x 3/8 SET	4
15	930-10-00-04	FLAT WASHER #10	24
16	930020	WASHER 3/8x3/4x1/16 NYLON	8
17	990-01	LOCTITE (BLUE)	A/R
18	944007	SELF-LOCKING RETAINING RING	8

A	PRE-PRODUCTION RELEASE	D&D NO.	By/CHK	DATE
REV	CHANGES			

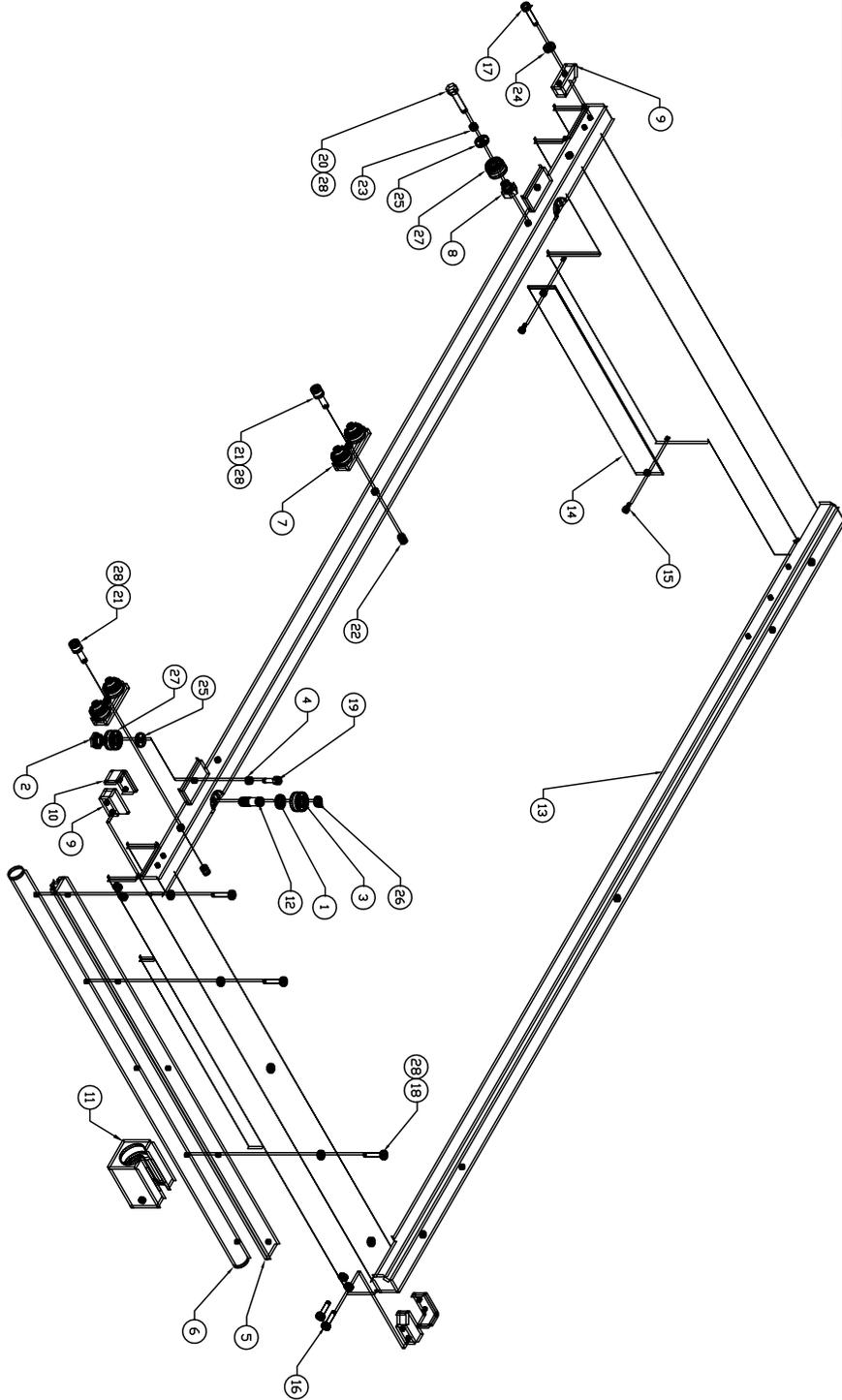
  

<p style="text-align: center;"><b>CONFIDENTIAL - PROPRIETARY</b></p> <p style="font-size: small;">The information and data contained on this document is proprietary and confidential information and neither possession, receipt of this document nor the use of the information contained herein shall constitute an admission of or an offer to enter said information on a computer, in whole or in part without the written consent of CoRe Labs</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%; text-align: center;">1</td> <td style="width:20%;">511000</td> <td style="width:20%;">USED ON ASSY</td> <td style="width:50%;"><b>CORE</b></td> </tr> <tr> <td style="text-align: center;">QTY</td> <td></td> <td></td> <td style="text-align: center;">TITLE</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">ASSY- PEDAL</td> </tr> </table>	1	511000	USED ON ASSY	<b>CORE</b>	QTY			TITLE				ASSY- PEDAL
1	511000	USED ON ASSY	<b>CORE</b>										
QTY			TITLE										
			ASSY- PEDAL										
REMOVE ALL SHARP EDGES AND BURRS	DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED	DO NOT SCALE DWG	TOLERANCES ARE: X.X ± .03 X.XX ± .01 X.XXX ± .005 ANGLES ± 0.30°										
MFG APP'L	DRAWN BY	KIK	1/10/00										
ENGRG APP'L													
			FINISH										
			MATERIAL										
			SEE BOM										
			CAD										
			PART NO										
			511013										
			SHEET 1 OF 2										





PART NO  
511018  
SHEET 2 OF 2



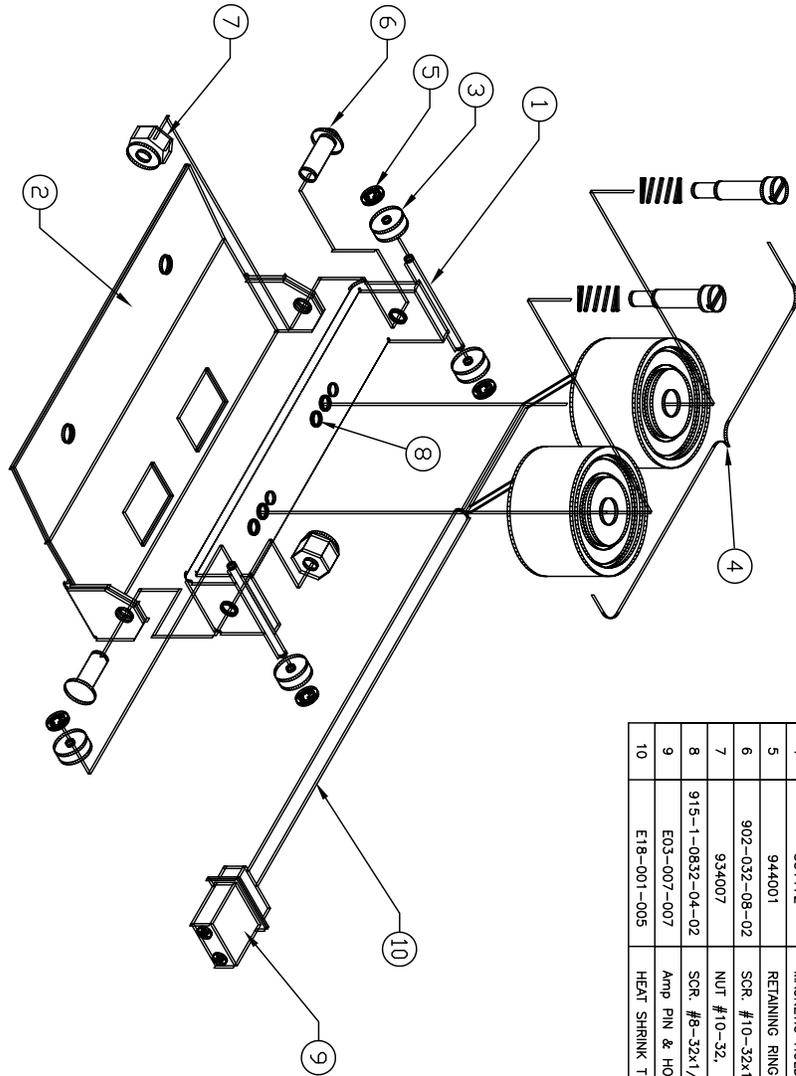
REV	A	PRE-PRODUCTION RELEASE	CHANGES	D&D NO.	By/CHK	V.D.	DATE

**CONFIDENTIAL – PROPRIETARY**

The information and data contained on this document is proprietary and confidential information and neither possessor or receipt of this document transfers any right to reproduce, use, disclose or enter said information on a computer, in whole or in part without the written consent of CoRE Labs

1	511000	USED ON ASSY	QTY	1
REMOVE ALL SHARP EDGES AND BURNS				
DO NOT SCALE DWG				
DRAWN BY				
KIK 2/17/00				
DIMENSIONS ARE IN INCHES				
UNLESS OTHERWISE SPECIFIED				
TOLERANCES ARE:				
X.X ± .03				
X.XXX ± .005				
ANGLES ± 0°30'				
TITLE				
ASSY-TABLE				
TOP MODULE				
MATERIAL				
SEE BOM				
FINISH				
CAD				
OBJECT SCALE				
1/1				
PART NO				
511018				
SHEET 2				
OF 2				

PART NO  
511022  
SHEET 1 of 1



BILL OF MATERIAL			
ITEM	PART NO.	DESCRIPTION	QTY
1	521021	MAGNETIC LOCK BRACKET	1
2	521016	LONG LOCK BRACKET	1
3	531170	WHEEL-MAGNETIC LOCK	4
4	551172	MAGNETIC HOLDING	2
5	944001	RETAINING RING 3/32 . SELF-LOCKING, EXT.	4
6	902-032-08-02	SCR. #10-32x1/2 BHWS	2
7	934007	NUT #10-32, NYLON INSERT	2
8	915-1-0832-04-02	SCR. #8-32x1/4 SET	2
9	E03-007-007	Amp PIN & HOUSING 2 V pos. .093- MOLEX	1
10	E18-001-005	HEAT SHRINK TUBING ø1/4	5"

REV	PRE-PRODUCTION RELEASE	CHANGES	D&D NO.	BY/CHK	DATE
A					2/17/00

**CONFIDENTIAL - PROPRIETARY**

The information and data contained on this document is proprietary and confidential information and neither possessor nor recipient of this document transfers any right to reproduce, use, disclose or enter said information on a computer, in whole or in part without the written consent of CoRE Labs

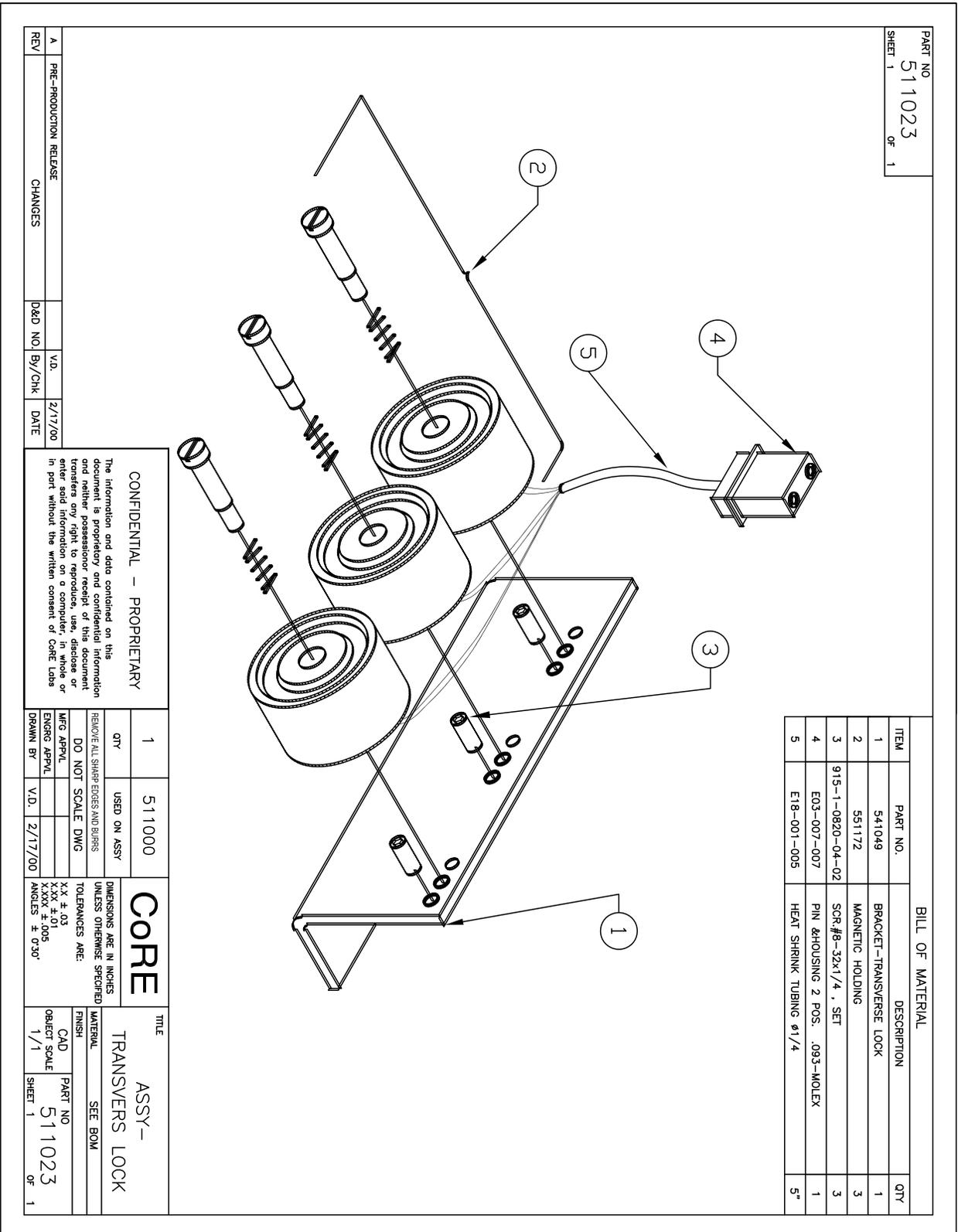
QTY	1	USED ON ASSY	511000
REMOVE ALL SHARP EDGES AND BURRS			
DO NOT SCALE DWG			
MFG APP'X			
ENGRG APP'X			
DRAWN BY	KIK	02/17/00	

**CORE**

DIMENSIONS ARE IN INCHES  
UNLESS OTHERWISE SPECIFIED

TOLERANCES ARE:  
X.X ± .03  
X.XX ± .005  
ANGLES ± .030°

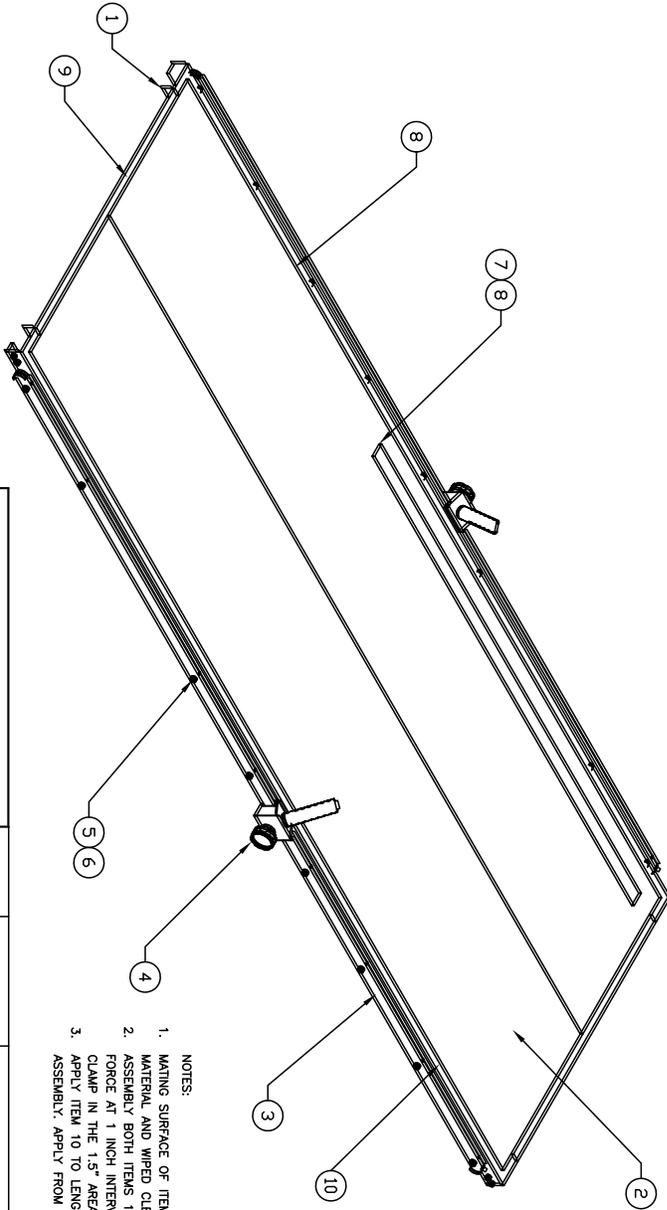
TITLE	ASSY-LONG TOP LOCK
MATERIAL	SEE BOM
FINISH	CAD
OBJECT SCALE	1/1
PART NO	511022
SHEET	1 of 1



PART NO  
511024  
SHEET 1 OF 1

BILL OF MATERIAL

ITEM	PART NO.	DESCRIPTION	QTY
1	521025	TABLE TOP FRAME	1
2	531162	TABLE TOP - FLAT	1
3	531134	BAR ACCESSORY	2
4	511019	HAND GRIP ASSEMBLY	2
5	531133	SPACER-ACC. BAR	18
6	902-032-10-02	SCR. #10-32x5/8 BUTT. HD.	18
7	541135	TRACK-MAGNETIC LOCK	1
8	990010	TAPE FOAM 1.5"	18 FT
9	990011	TAPE FOAM 3.0"	4 FT
10	990003	CLEAR SILICON	A/R



- NOTES:
1. MATING SURFACE OF ITEM 1 AND 2 TO BE FREE OF FOREIGN MATERIAL AND WIPED CLEAN WITH TOLUEN TO REMOVE OIL FILM.
  2. ASSEMBLY BOTH ITEMS 1 AND 2 IN FIXTURE AND APPLY 100 LBS. FORCE AT 1 INCH INTERVALS AROUND ENTIRE MATING SURFACE. CLAMP IN THE 1.5" AREA.
  3. APPLY ITEM 10 TO LENGTH AND WIDTH OF ITEMS 8 AND 9 AFTER ASSEMBLY. APPLY FROM TUBE AND SMOOTH WITH RADUSED TOOL.

REV	PRE-PRODUCTION RELEASE	CHANGES	D&D NO	BY/CHK	V.O.	DATE
A						2/12/02

**CONFIDENTIAL - PROPRIETARY**

The information and data contained on this document is proprietary and confidential information and neither possession nor receipt of this document shall constitute an acknowledgment of its disclosure or in part without the written consent of CoRE Labs

1	511000	USED ON ASSY	1	511000	ASSY-84" TABLE TOP
REMOVE ALL SHARP EDGES AND BURS		DO NOT SCALE DWG		DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED	
MFG APPVL		ENGNG APPVL		TOLERANCES ARE: XX ± .03 XXX ± .01 ANGLES ± 0°30'	
DRAWN BY	KIK	1/10/00		FINISH	CAD
				OBJECT SCALE	PART NO
				1/1	511024
				SHEET 1	OF 1

PART NO <b>511026</b> SHEET 1 OF 1		BILL OF MATERIAL			
		ITEM	PART NO.	DESCRIPTION	QTY
		1	930019	SHIM	2
		2	926004	BEARING 3/8x7/8x9/32	2
		3	531136	BLOCK	1
		4	902-0616-10-01	SCR. 3/8-16x5/8 BUTT.HD	2
		5	990002	LOCTITE (RED)	A/R

DATE BY/CHK	CHANGES	REV	A		
CONFIDENTIAL - PROPRIETARY The information and data contained on this document is proprietary and confidential information and neither possessor nor receipt of this document transfers any right to reproduce, use, disclose or enter said information on a computer, in whole or in part without the written consent of CoRE Labs					
QTY	6	511000	USED ON ASSY		
DO NOT SCALE DWG					
MFG APPVL	ENGNG APPVL	DRAWN BY	KJK	02/17/00	
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED TOLERANCES ARE X.X ± .03 X.XX ± .01 X.XXX ± .005 ANGLES ± .030°			TITLE BLOCK & BEARING ASSEMBLY		
MATERIAL FINISH		SCALE 1/1		PART NO 511026	
DATE 02/17/00		SHEET 1		OF 1	

PART NO <b>511028</b> SHEET 1 OF 1	<b>BILL OF MATERIAL</b>																																																																																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">ITEM</th> <th style="width: 30%;">PART NO.</th> <th style="width: 40%;">DESCRIPTION</th> <th style="width: 25%;">QTY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>551041</td> <td>BALL BUSHING-OPEN</td> <td>1</td> </tr> <tr> <td>2</td> <td>531154</td> <td>BLOCK-BALL BUSHING</td> <td>1</td> </tr> <tr> <td>3</td> <td>903-0632-06-20</td> <td>HSHFMS #6-32x3/8</td> <td>1</td> </tr> </tbody> </table>			ITEM	PART NO.	DESCRIPTION	QTY	1	551041	BALL BUSHING-OPEN	1	2	531154	BLOCK-BALL BUSHING	1	3	903-0632-06-20	HSHFMS #6-32x3/8	1																																																																																			
ITEM	PART NO.	DESCRIPTION	QTY																																																																																																		
1	551041	BALL BUSHING-OPEN	1																																																																																																		
2	531154	BLOCK-BALL BUSHING	1																																																																																																		
3	903-0632-06-20	HSHFMS #6-32x3/8	1																																																																																																		
<p><b>CONFIDENTIAL - PROPRIETARY</b></p> <p>The information and data contained on this document is proprietary and confidential information and neither possession nor receipt of this document constitutes an offer of products, services, or technology of any kind. It is to be used only in part without the written consent of CoRE Labs</p>																																																																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">1</td> <td style="width: 15%;">511018</td> <td style="width: 15%;">USED ON ASSY</td> <td style="width: 15%;"></td> </tr> <tr> <td colspan="2"></td> <td>REMOVE ALL SHARP EDGES AND BURRS</td> <td colspan="2"></td> <td colspan="2">DIMENSIONS ARE IN INCHES</td> <td colspan="3">TITLE</td> </tr> <tr> <td colspan="2"></td> <td>DO NOT SCALE DWG</td> <td colspan="2"></td> <td colspan="2">UNLESS OTHERWISE SPECIFIED</td> <td colspan="3">ASSY-BLOCK &amp; BALL BUSHING</td> </tr> <tr> <td colspan="2"></td> <td>MFG APPVL</td> <td colspan="2"></td> <td colspan="2">TOLERANCES ARE:</td> <td colspan="3">MATERIAL</td> </tr> <tr> <td colspan="2"></td> <td>ENGRG APPVL</td> <td colspan="2"></td> <td colspan="2">XX ± .03</td> <td colspan="3">FINISH</td> </tr> <tr> <td colspan="2"></td> <td>DRAWN BY</td> <td colspan="2"></td> <td colspan="2">XXXX ± .01</td> <td colspan="3">CAD</td> </tr> <tr> <td colspan="2"></td> <td>V.D.</td> <td colspan="2">1/20/03</td> <td colspan="2">ANGLES ± 0°30'</td> <td colspan="3">OBJECT SCALE</td> </tr> <tr> <td colspan="2"></td> <td></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="3">PART NO</td> </tr> <tr> <td colspan="2"></td> <td></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="3">511028</td> </tr> <tr> <td colspan="2"></td> <td></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="3">SHEET 1 OF 1</td> </tr> </table>			1	511018	USED ON ASSY									REMOVE ALL SHARP EDGES AND BURRS			DIMENSIONS ARE IN INCHES		TITLE					DO NOT SCALE DWG			UNLESS OTHERWISE SPECIFIED		ASSY-BLOCK & BALL BUSHING					MFG APPVL			TOLERANCES ARE:		MATERIAL					ENGRG APPVL			XX ± .03		FINISH					DRAWN BY			XXXX ± .01		CAD					V.D.	1/20/03		ANGLES ± 0°30'		OBJECT SCALE										PART NO										511028										SHEET 1 OF 1		
1	511018	USED ON ASSY																																																																																																			
		REMOVE ALL SHARP EDGES AND BURRS			DIMENSIONS ARE IN INCHES		TITLE																																																																																														
		DO NOT SCALE DWG			UNLESS OTHERWISE SPECIFIED		ASSY-BLOCK & BALL BUSHING																																																																																														
		MFG APPVL			TOLERANCES ARE:		MATERIAL																																																																																														
		ENGRG APPVL			XX ± .03		FINISH																																																																																														
		DRAWN BY			XXXX ± .01		CAD																																																																																														
		V.D.	1/20/03		ANGLES ± 0°30'		OBJECT SCALE																																																																																														
							PART NO																																																																																														
							511028																																																																																														
							SHEET 1 OF 1																																																																																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">A</td> <td style="width: 35%;">PRE-PRODUCTION RELEASE</td> <td style="width: 15%;">D&amp;D NO.</td> <td style="width: 15%;">BY/CHK</td> <td style="width: 20%;">DATE</td> </tr> <tr> <td>REV</td> <td>CHANGES</td> <td></td> <td></td> <td></td> </tr> </table>			A	PRE-PRODUCTION RELEASE	D&D NO.	BY/CHK	DATE	REV	CHANGES																																																																																												
A	PRE-PRODUCTION RELEASE	D&D NO.	BY/CHK	DATE																																																																																																	
REV	CHANGES																																																																																																				

PART NO <b>511030</b> OF 1		BILL OF MATERIAL <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>ITEM</th> <th>PART NO.</th> <th>DESCRIPTION</th> <th>QTY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>511031</td> <td>BRACKET &amp; STANDOFF ASSY</td> <td>1</td> </tr> <tr> <td>2</td> <td>541160</td> <td>COVER</td> <td>1</td> </tr> <tr> <td>3</td> <td>541172</td> <td>MAGNET, HOLDING</td> <td>1</td> </tr> <tr> <td>4</td> <td>904-032-06-04</td> <td>SCR.#10-32x3/8 PANI HD</td> <td>2</td> </tr> <tr> <td>5</td> <td>930007</td> <td>FLAT WASHER #10</td> <td>2</td> </tr> <tr> <td>6</td> <td>931008</td> <td>LOCK WASHER #10</td> <td>2</td> </tr> <tr> <td>7</td> <td>915-1-0832-06-02</td> <td>SCR.#8-32x3/8 SET</td> <td>1</td> </tr> <tr> <td>8</td> <td>907-0632-04-04</td> <td>SCR.#8-32x1/4 TRUSS HD</td> <td>2</td> </tr> <tr> <td>9</td> <td>E18-001-1002</td> <td>HEAT SHRINK TUBING 11/8</td> <td>8"</td> </tr> <tr> <td>10</td> <td>E03-007-007</td> <td>PIN &amp; HOUSING 2 POS .093 - MQL EX</td> <td>1</td> </tr> <tr> <td>11</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	ITEM	PART NO.	DESCRIPTION	QTY	1	511031	BRACKET & STANDOFF ASSY	1	2	541160	COVER	1	3	541172	MAGNET, HOLDING	1	4	904-032-06-04	SCR.#10-32x3/8 PANI HD	2	5	930007	FLAT WASHER #10	2	6	931008	LOCK WASHER #10	2	7	915-1-0832-06-02	SCR.#8-32x3/8 SET	1	8	907-0632-04-04	SCR.#8-32x1/4 TRUSS HD	2	9	E18-001-1002	HEAT SHRINK TUBING 11/8	8"	10	E03-007-007	PIN & HOUSING 2 POS .093 - MQL EX	1	11			
ITEM	PART NO.	DESCRIPTION	QTY																																															
1	511031	BRACKET & STANDOFF ASSY	1																																															
2	541160	COVER	1																																															
3	541172	MAGNET, HOLDING	1																																															
4	904-032-06-04	SCR.#10-32x3/8 PANI HD	2																																															
5	930007	FLAT WASHER #10	2																																															
6	931008	LOCK WASHER #10	2																																															
7	915-1-0832-06-02	SCR.#8-32x3/8 SET	1																																															
8	907-0632-04-04	SCR.#8-32x1/4 TRUSS HD	2																																															
9	E18-001-1002	HEAT SHRINK TUBING 11/8	8"																																															
10	E03-007-007	PIN & HOUSING 2 POS .093 - MQL EX	1																																															
11																																																		

REV A PRE-PRODUCTION RELEASE CHANGES	D&D NO. / By/CHK DATE	<p><b>CONFIDENTIAL - PROPRIETARY</b></p> <p>The information and data contained on this document is proprietary and confidential information and neither possessor nor receipt of this document transfers any right to reproduce, use, disclose or enter said information on a computer, in whole or in part without the written consent of CoRE labs</p>
--	--------------------------	--

QTY 1	USED ON ASSY 511000	DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: XX ± .01 XXX ± .01 XXXX ± .005 ANGLES ± 0°30'	TITLE ASSY- <b>CORE</b> BUCKY LOCK	FINISH CAD OBJECT SCALE 1/1	PART NO - 511030 OF 1
----------	------------------------	---	---	--------------------------------------	--------------------------------

PART NO <b>511034</b>		SHEET 1 OF 1	
<b>BILL OF MATERIAL</b>			
ITEM	PART NO.	DESCRIPTION	QTY
1	551168	PUSH-BUTTON SWITCH 3A,125V-SB40	1
2	551169	ROUND SHROUD AT455A	1
3	E19-001-2005	WIRE 20Ga ALPHA TEFLON UL 1213 GRN	2x13"
4	E03-003-014	TERM. CRIMP .062 MOLEX 02-06-1103	2
5	E03-006-009	RECEPT .062 2POS. MOLEX 02-06-1023	1
6	E18-001-002	HEAT SHRINK 1/8 FT 221 BLK.	12"

HEAT SHRINK

12"

REV	CHANGES	D&D NO.	BY/CHK	V.D.	DATE
A	PRE-PRODUCTION RELEASE			12/11/03	

<b>CONFIDENTIAL - PROPRIETARY</b>	<b>CONFIDENTIAL - PROPRIETARY</b>
The information and data contained on this document is proprietary and confidential information and neither possession nor receipt of this document transfers any right to reproduce, use, disclose or enter said information on a computer, in whole or in part without the written consent of CoRE Labs	DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: X.X ± .031 X.XX ± .005 ANGLES ± 0.3°
QTY 1 USED ON ASSY 511040 REMOVE ALL SHARP EDGES AND RIBBS DO NOT SCALE DWG MFG APPV ENGR APPV DRAWN BY	TITLE ASSY- BUCKY SWITCH MATERIAL SEE BOM FINISH CAD PART NO 511034 OBJECT SCALE 1/1 SHEET 1 OF 1



PART NO  
**511211**  
SHEET 1 OF 1

**BILL OF MATERIAL**

ITEM	PART NO.	DESCRIPTION	QTY
1	531209	PLATE-POT	1
2	531210	PLATE	1
3	531208	PULLEY-POT.	1
4	531207	PULLEY-SPRING	1
5	924009	DOWELL PIN 3/16x1"	2
6	231174-6	CABLE	1
7	E18-001-004	HEAT SHRINK I.D. 3/32	.31*
8	901-032-10-10	SCR #10-32-5/8 SHMS	2
9	915-1-0832-08-02	SCR #8-32-3/8 SET	1
10	904-440-04-10	SCR #4-40x1/4 PHMS. PAN	1
11	251239-2	MOTOR SPRING	1
12	913-04-06-02	SCR 1/4x3/8x10-24 SHOULDER	1
13	212009	POTENTIOMETER 1K 10 TURNS ASSY	1
14	831033	KEEPER- POT.	1
15	924015	DOWELL PIN 1/4x1	1

MAKE KNOT AND PUT  
HEAT SHRINK OVER THE KNOT

**CONFIDENTIAL - PROPRIETARY**

The information and data contained on this document is proprietary and confidential information. It is to be used only for the purpose of manufacturing and transfers any right to reproduce, use, disclose or enter and information on a computer, in whole or in part without the written consent of CoRE Labs

QTY	1	511000	USED ON ASSY
REMOVE ALL SHARP EDGES AND BURRS			
DO NOT SCALE DWG			
MFG APPVL			
ENGRG APPVL			
DRAWN BY		09.05.01	

**CORE**

DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
X.X ± .03  
X.XX ± .01  
X.XXX ± .005  
ANGLES ± 0°30'

TITLE: **OPTION ASSY-POT.**

MATERIAL	SEE B/W
FINISH	
CAD	PART NO
OBJECT SCALE	511211
1/1	SHEET 1 OF 1

8 ADDED IT 13 AND IT 14.  
A PRE-PRODUCTION RELEASE

REV	CHANGES	E.G.	DATE
			12.11.01
			09.05.01

This Page Intentionally  
Left Blank