

# LLOYD GALAXY

## McManis Elevation Operation & Parts Manual



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**LLOYD**  
TABLE COMPANY

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# WELCOME!!

Lloyd Table Company, a proud supporter of today's chiropractors, has established the finest line of chiropractic tables in the world. Table products unique in versatility and function, designed to meet your needs.



Concerned for a safe working and treatment environment, Lloyd Table Company asks that you follow the safety tips below.

- \* **Be aware of Caution and Warning labels posted throughout the table before operating any functions.**
- \* **Everyone operating the table needs to read the manual and familiarize themselves with all its functions before operating table with patient on it.**
- \* **The McManis pelvic operation is only to be operated by a professional practitioner, educated in the procedure of the flexion distraction and traction on the lower back and spine.**
- \* **A patient should never be unattended, when lying on the table. NEVER LEAVE A PATIENT ON THE TABLE UNATTENDED!**

**Secure the pelvic cushion into all lock positions before allowing patient on or off the table. (See pages 12 - 17 to lock pelvic rotation, pelvic flexion, and pelvic side bending)**

- \* **The patient should be positioned at or near the center of the table with arms on the armrest cushions.**
- \* **There should be no more than one operator at the controls.**
- \* **The pressure gauge reading should never exceed 800 PSI or drop below 300 PSI**
- \* **Check the tension on all drops before adjusting the patient. (See Page 9)**



## MAINTENANCE

The following steps should be performed on a regular basis to maintain your Lloyd table in a smooth operating condition and to assure its long life and top quality appearance.

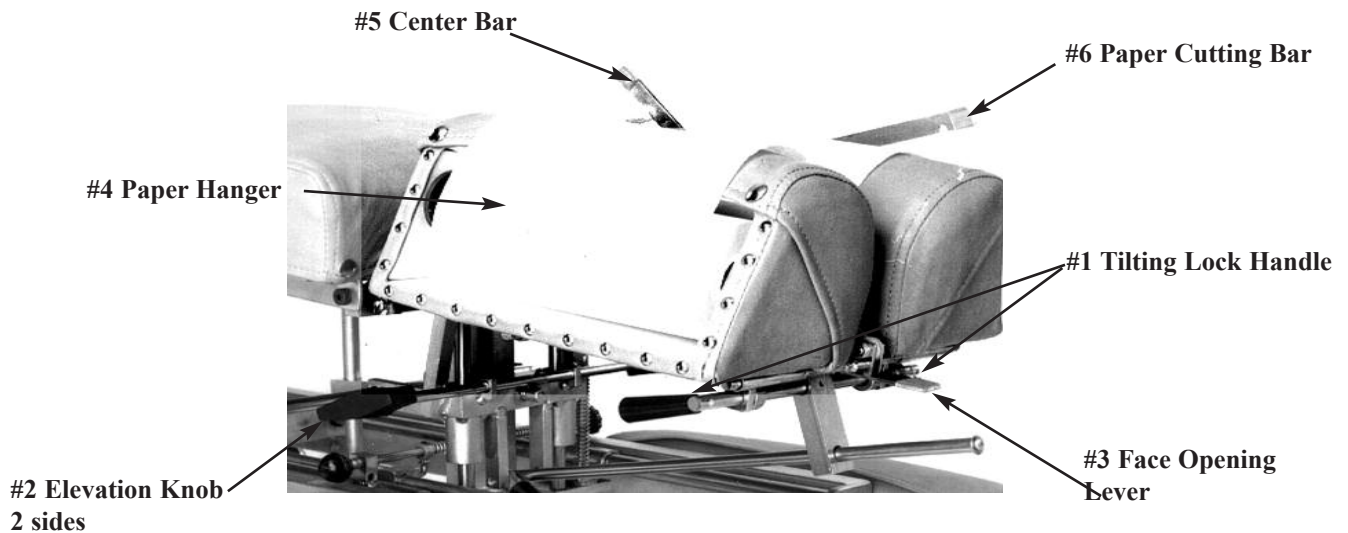
- \* An initial inspection and periodic future inspections should be made to insure that nuts and bolts have not loosened in shipping or during daily operations.
  
- \* Your Lloyd table should be lubricated every six months. Parts to be lubricated are all frame pivot points, and metal to metal sliding mechanisms.  
**(DO NOT LUBRICATE FRICTION LOCKS)**
  
- \* The cushions should be cleaned daily with a mild soap & warm water solution to remove body oils. Rinsed & dried.  
**DO NOT USE VINYL CLEANERS TO CLEAN CUSHIONS!!**
  
- \* Chrome parts should be cleaned on a weekly basis for appearance.
  
- \* The hydraulic fluid recommended for the pump, is a lubriplate HO1 or hydraulic jack oil, and should be checked on a yearly basis.
  
- \* Perform periodic inspections for oil leaks or drips.
  
- \* The fluid level in the pump's reservoir tank should measure 1-3/4 of an inch from full. This measurement is taken when the pelvic cushion is in the down position, the pressure gauge is released back to zero, table is in lowest elevated position and fully shortened or retracted.

The following sections provide explanations on the operation of your Lloyd table. All references to right and left, will be in relationship to your view, as you face table from the head end. All references to the front will refer to the head end of the table. Those to the rear will refer to the foot end.

## Head Cushion

The head cushion is designed to provide a multitude of positions & operations through our standard Deluxe Headpiece and optional Total Dimension Flexion™ Headpieces.

### Standard Deluxe Headpiece



#### To Raise the tilting feature on the Deluxe Headpiece:

1. Lift on the bottom front edges of the cushion
2. Release at the desired height, the cushion will automatically lock into position.



#### To Lower the tilting feature on the Deluxe Headpiece:

1. Support the front corner edge of the cushion.
2. Lift the Locking Handle (No. 1) to release.
3. Gently lower the cushion to the desired height.
4. Release the lock handle first and then the cushion to lock.



**WARNING: TO AVOID INJURIES WHEN RAISING OR LOWERING HEAD CUSHIONS, BE SURE TO HAVE A PROPER HOLD ON THE CUSHION BEFORE RELEASING THE ELEVATING HANDLE (NO. 2).**

## Standard - Deluxe Head



### To Elevate the Head Cushion

1. The head cushion is assisted by a gas shock in raising the cushion. With a hand supporting the head cushion, turn the Elevation Knob (No. 2) on either side of the table upward to unlock. When the desired height is determined simply release the Elevation Knob (No. 2) to lock.

### To Lower the Head Cushion

1. Turn the Elevation Knob upward to unlock. While unlocked push down on the cushion to lower. When the desired height is determined simply rotate the Elevation Knob (No. 2) down to lock.

### Face Opening Adjustment

1. The Head Cushion's face opening can be opened or closed to adjust for comfort with the Face Opening Lever (No. 3). By Pushing slightly down on the Face Opening Lever, slide side to side adjusting the face opening. The Face Opening Lever must be released in one of eight positions to lock the cushions in place.

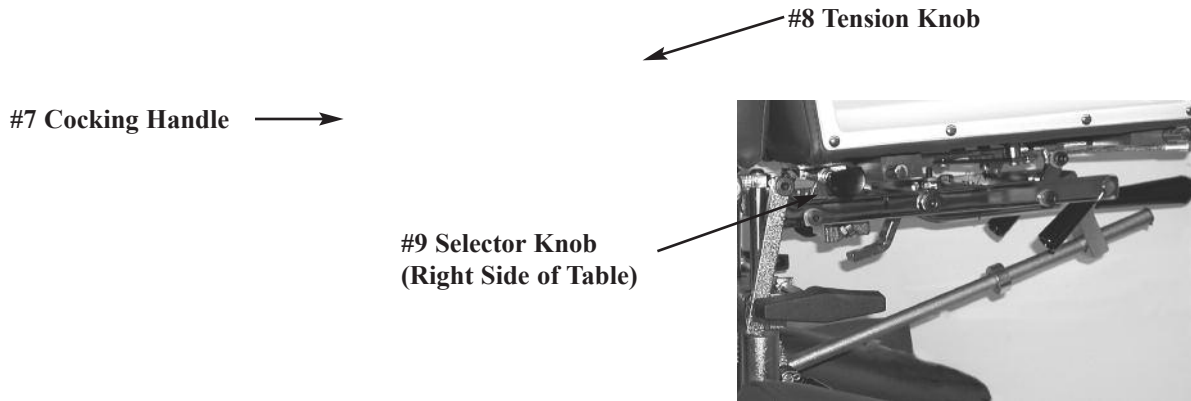
### Paper Roll

The paper roll mounts conveniently inside the right-hand cushion.

### Replacing the Paper Roll

1. Remove the paper hanger tension rod (No. 4) by compressing ends of the rod horizontally. This will allow you to slide one end out, to remove the paper roll tube.
2. Slide a new paper roll on the tension rod so that it rolls off the bottom side. Compress the rod ends horizontally and set inside the head cushion.
3. Swing the Center Bar (No. 5, Page 3) and Outside Cutting Bar (No. 6, Page 3) up. Route paper over the cushions and down between the two outside cutting bars. Return both bars to their original position.
4. Trim the paper by supporting the paper cutting bar with one hand and pulling the paper up along the bar's edge.

## Optional - Deluxe Head with Drops



### Operating the Straight / Toggle Drop:

**!** CAUTION: THE DROP CUSHION TENSION SHOULD BE CHECKED AND TESTED BEFORE ADJUSTING A PATIENT.

NOTE - DROP SHOULD BE IN DOWN / DEACTIVATED POSITION BEFORE MOVING SELECTOR KNOB (NO. 9) IN OR OUT.

1. To engage the Straight / Toggle Drop head, pull the selector knob (No. 9) out about half an inch.
2. Push down on the Cocking Handle (No. 7) until the head cushion is cocked into its top position.
3. Once cocked, test the drop by pushing down on the cushion. If the cushion drops too easily or too hard, adjust the tension with the Tension Knob (No. 8).

### Operating The Tension Knob:

1. The tension is adjusted by turning the tension knob (No. 8) in a clockwise and counterclockwise direction.
  - A. Clockwise - Increases tension
  - B. Counterclockwise - Decreases tension

### Operating the Forward Motion Drop:

CAUTION: THE DROP CUSHION TENSION SHOULD BE CHECKED AND TESTED BEFORE ADJUSTING A PATIENT.

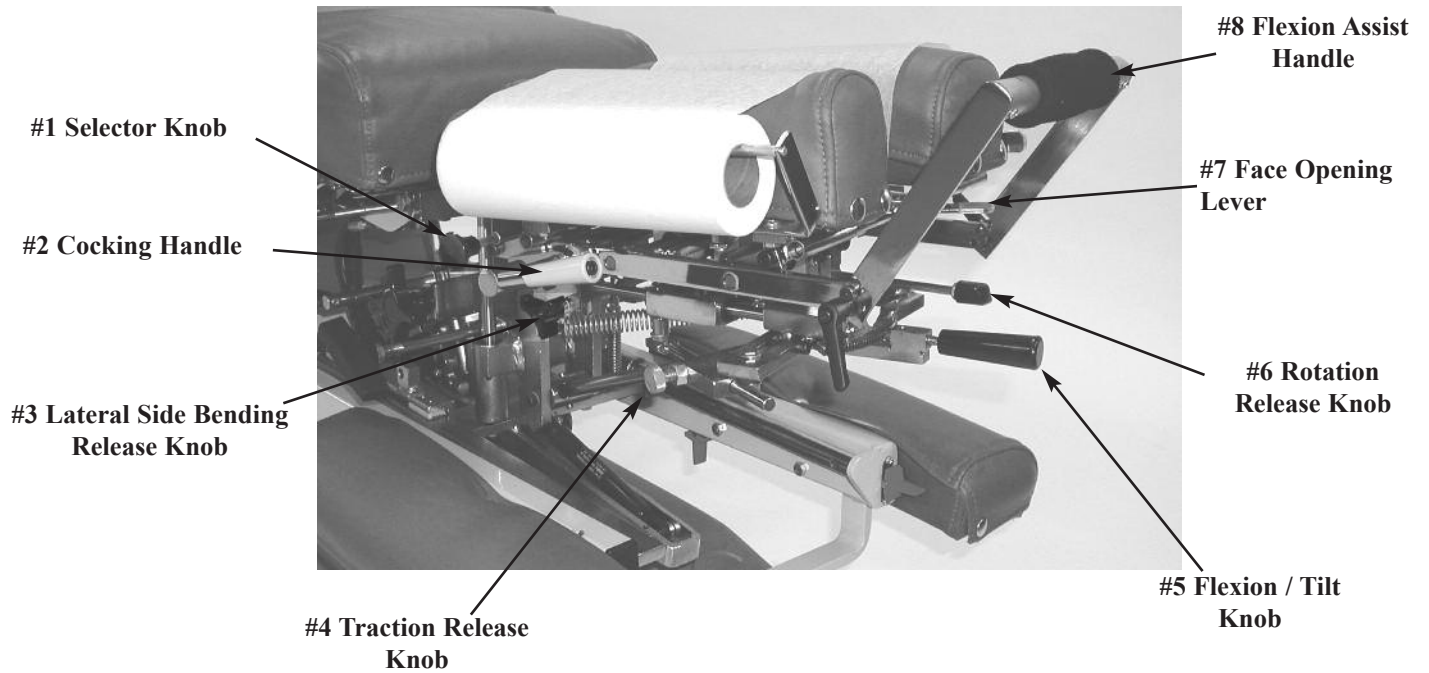
NOTE - DROP SHOULD BE IN DOWN / DEACTIVATED POSITION BEFORE MOVING SELECTOR KNOB (NO. 9) IN OR OUT.



1. The Selector Knob (No. 9) is to be pushed in, to engage the forward motion drop.
2. Push down on the Cocking Handle (No. 7) to raise into its cocked position.
3. Once cocked, test the drop by pushing down on the cushion, and adjust the tension (see above Operating the Tension Knob section).

# Optional - Total Dimension Flexion Head™

Left Side



## Forward & Straight / Toggle Drop Operation Instructions



**CAUTION: THE DROP CUSHION TENSION SHOULD BE CHECKED AND TESTED BEFORE ADJUSTING A PATIENT.**

**NOTE - DROP SHOULD BE IN DOWN / DEACTIVATED POSITION BEFORE MOVING SELECTOR KNOB (NO. 9) IN OR OUT.**

1. To engage the Straight / Toggle Drop head, pull the selector knob (No. 1) out about half an inch.
2. Push down on the Cocking Handle (No. 2) until the head cushion is cocked into its top position.
3. Once cocked, test the drop by pushing down on the cushion. If the cushion drops too easily or too hard, adjust the tension with the Tension Knob (No. 9).

## Operating The Tension Knob:

1. The tension is adjusted by turning the tension knob (No. 9) in a clockwise and counterclockwise direction.
  - A. Clockwise - Increases tension
  - B. Counterclockwise - Decreases tension



Right Side

## Operating the Forward Motion Drop:

1. The Selector Knob (No. 1) is to be pushed in, to engage the forward motion drop.
2. Push down on the Cocking Handle (No. 2) to raise the drop cushion to its cocked position.
3. Once cocked, test the drop by pushing down on the cushion. If the cushion drops too easily or too hard, adjust the tension with the Tension Knob (No. 9).



# Optional - Total Dimension Flexion Head™

**WARNING: THE FOLLOWING CERVICAL OPERATIONS ARE ONLY TO BE OPERATED BY A PROFESSIONAL PRACTITIONER, EDUCATED IN THE PROCEDURE OF FLEXION-DISTRACTION AND TRACTION, ON THE SPINE.**

## Lateral Side Bending

1. To unlock the Lateral Side Bending Feature rotate the Lateral Side Bending Release Knob (No. 3) clockwise (from left side of table).
2. Turn the Lateral Side Bending Release Knob (No. 3) counterclockwise to lock headpiece in desired position (from left side of table).

**CAUTION: MAKE SURE THE HEADPIECE IS LOCKED BEFORE ALLOWING A PATIENT ON OR OFF THE TABLE.**

## Manual Traction

1. To unlock the manual traction feature simply pull and twist the Traction Release Knob (No. 4) 1/4 of a turn clockwise or counterclockwise.
2. When unlocked the headpiece will glide forward and backward.
3. To lock the manual traction twist the Traction Release Knob (No. 4) 1/4 turn counterclockwise or clockwise.

## Manual Flexion Distraction

1. To unlock the manual flexion distraction locate the Flexion / Tilt Knob (No. 5) pull forward and twist 1/4 turn counterclockwise.
2. Gently apply pressure down using the Flexion Assist Handle (No. 8).
3. To lock the manual flexion distraction twist the Flexion / Tilt Knob (No. 5) 1/4 turn clockwise and release to engage lock.

## Tilting Feature

1. To unlock the Tilting feature locate the Flexion / Tilt Knob (No. 5) while supporting the head cushion pull forward and twist counterclockwise.
2. Once the desired angle is obtained, lock the headpiece simply by twisting the Flexion / Tilt Knob (No. 5) clockwise and release.

## Rotation Feature

1. To unlock the Rotation feature locate the Rotation Release Knob (No. 6) Pull toward the head of the table and twist 1/4 turn clockwise.
2. Gently move the headpiece with the Flexion Assist Handle (No. 8)
3. To lock the Rotation feature locate the Rotation Release Knob (No. 6) twist 1/4 turn counterclockwise and release.

## Face Opening Adjustment

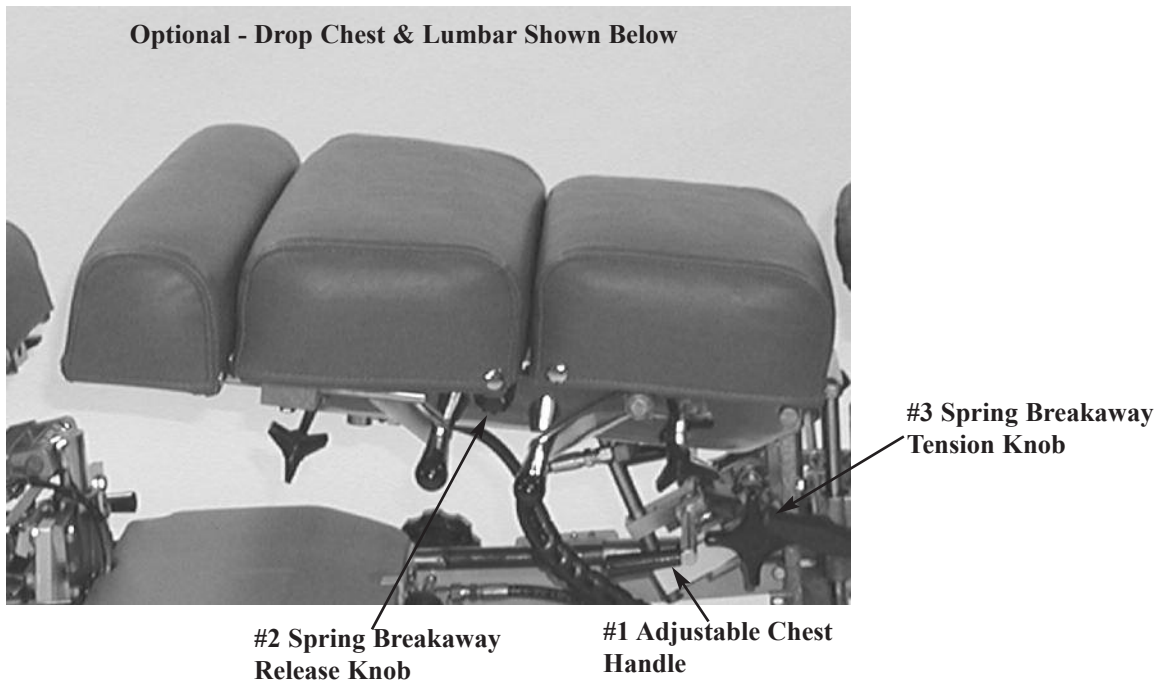
1. The Head Cushion's Face Opening can be opened or closed to adjust for the comfort with the Face Opening Lever (No. 7). By pushing slightly down on the Face Opening Lever, slide side to side adjusting the face opening. The Face Opening Lever must be released in one of the eight positions to lock cushions in place.

## Flexion Assist Handle

1. The Flexion Assist Handle (No. 8) has many functions including aiding with manual Cervical Flexion Distraction, rotation, lateral side bending, and tilting the headpiece.
2. To adjust the Flexion Assist Handle to desired comfort twist the Flexion Assist Handle locking Knobs on both sides of table. This will unlock the handle for adjustment. Twist in opposite direction to lock.

# Chest Cushion

The chest cushion is designed to accommodate large and small abdomen patients, along with the versatility of being a stationary or floating cushion.



## Standard - Adjustable Tilting Chest

### Tilting Chest Cushion Up

1. Lift the rear corners of the cushion.
2. Release the cushion when the desired angle is reached and the cushion will automatically lock into place.

### Tilting Chest Cushion Down

1. Support the cushion at the rear corners.
2. Lift on the Adjustable Chest Handle (No. 1) to release the cushion.
3. Slide the cushion to desired angle.
4. Release the Adjustable Chest Handle (No. 1) first and then the cushion to lock into desired height.

## Spring Breakaway Chest

### To Unlock Spring Breakaway Chest Cushion

1. Pull on Spring Breakaway Knob (No. 2) (facing the right side of the table) to unlock.
2. The resulting floating effect will allow the cushion to gently drop under pressure and spring back when released.

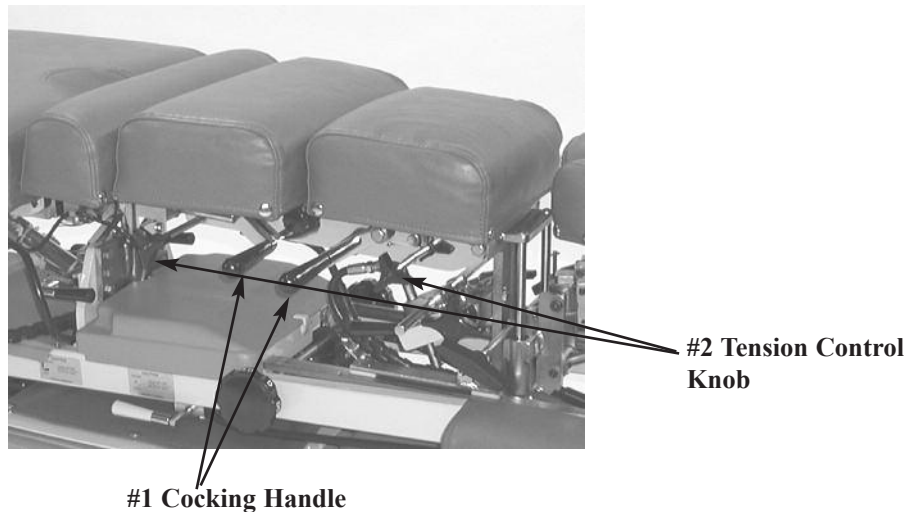
### To Lock the Spring Breakaway Cushion

1. Push on Spring Breakaway Knob (No. 2) (facing the right side of the table) to lock. Spring Breakaway will only lock in neutral position

### To Increase or Decrease the Tension for Spring Breakaway

1. Rotate the Spring Breakaway Tension Knob (No. 3).
  - A. Left Side: Clockwise - Decrease Tension ↓ Counterclockwise - Increase Tension ↓
  - B. Right Side: Clockwise - Increase Tension ↑ Counterclockwise - Decrease Tension ↑

## Chest Cushion - Manual Drops



Chest & Lumbar Drop - Manual

### Cocking the Drop Chest or Lumbar Cushion

1. Pull up on the Cocking Handle (No. 1) to cock the desired drop cushion.
2. Adjust the tension on either side by turning the Tension Control Knob (No. 2)

Right side: Clockwise - Decreases Tension Counterclockwise - Increase Tension

Left Side: Clockwise - Increase Tension Counterclockwise - Decrease Tension



**CAUTION: THE DROP CUSHION TENSION SHOULD BE CHECKED AND TESTED BEFORE ADJUSTING PATIENT. KEEP FINGERS AWAY FROM BOTTOM OF CUSHION TO AVOID PINCHING**

## Pelvic Drop



Pelvic Drop - Manual

### Cocking the Drop Pelvic Cushion

1. Pull up on the Cocking Handle (No. 1) to cock the drop cushion.
2. Adjust the tension on either side by turning the Tension Control Knob (No. 2)

Right side: Clockwise - Decreases Tension Counterclockwise - Increase Tension

Left Side: Clockwise - Increase Tension Counterclockwise - Decrease Tension



**CAUTION: THE DROP CUSHION TENSION SHOULD BE CHECKED AND TESTED BEFORE ADJUSTING PATIENT. KEEP FINGERS AWAY FROM BOTTOM OF CUSHION TO AVOID PINCHING**

# Automatic Cocking Drops



#1 Automatic Drop Selector Knob

## Cervical (Head Cushion) Drop - Automatic

### To Cock the Cervical (Head Cushion) Drop:

1. Rotate the selector knob (No. 1) to “C” to select the Cervical (Head Cushion) drop.
2. Step on the white strip to activate the auto cocking drop.



**CAUTION: THE DROP CUSHION TENSION SHOULD BE CHECKED AND TESTED BEFORE ADJUSTING PATIENT. KEEP FINGERS AWAY FROM BOTTOM OF CUSHION TO AVOID PINCHING.**

3. Adjust the tension on the drop by turning the Tension Control Knob (Refer to Page 5 for Instructions).

### To Cock the Dorsal (Chest Cushion) Drop:

1. Rotate the selector knob (No. 1) to “D” to select the Dorsal (Chest Cushion) drop.
2. Step on the white strip to activate the auto cocking drop.



**CAUTION: THE DROP CUSHION TENSION SHOULD BE CHECKED AND TESTED BEFORE ADJUSTING PATIENT. KEEP FINGERS AWAY FROM BOTTOM OF CUSHION TO AVOID PINCHING.**

3. Adjust the tension on the drop by turning the Tension Control Knob (Refer to Page 9 for Instructions).

### To Cock the Lumbar Cushion Drop:

1. Rotate the selector knob (No. 1) to “L” to select the Lumbar drop.
2. Step on the white strip to activate the auto cocking drop.



**CAUTION: THE DROP CUSHION TENSION SHOULD BE CHECKED AND TESTED BEFORE ADJUSTING PATIENT. KEEP FINGERS AWAY FROM BOTTOM OF CUSHION TO AVOID PINCHING.**

3. Adjust the tension on the drop by turning the Tension Control Knob (Refer to Page 9 for Instructions)

# Automatic Cocking Drops

## To Cock the Pelvic Cushion Drop:

1. Rotate the selector knob (No. 1) to “P” to select the Pelvic drop.
2. Step on the white strip to activate the auto cocking drop.



**CAUTION: THE DROP CUSHION TENSION SHOULD BE CHECKED AND TESTED BEFORE ADJUSTING PATIENT. KEEP FINGERS AWAY FROM BOTTOM OF CUSHION TO AVOID PINCHING.**

3. Adjust the tension on the drop by turning the Tension Control Knob (Refer to Page 9 for Instructions)

Note - Table is capable of performing a combination of drops - See Selector Knob Letter Reference Chart Below.

### Selector Knob Reference Chart

C - Cervical Drop	DC - Dorsal & Cervical Drops
D - Dorsal Drop	LD - Lumbar & Dorsal Drops
L - Lumbar Drop	PL - Pelvic & Lumbar Drops
P - Pelvic Drop	CP - Cervical & Pelvic Drops

## Head & Chest Extension - Retraction Knob

#1 Head & Chest  
Extension - Retraction  
Knob



### To Adjust the Length of Table:

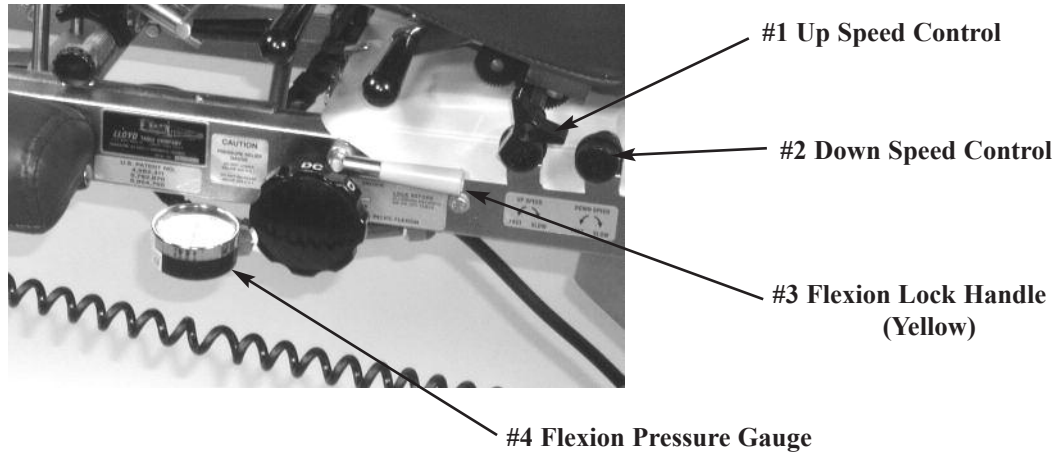
1. To extend or retract the head and chest cushions, pull on knob to unlock. Move head & chest until height desired is found, finally return knob into its locked position, making sure head and chest are not gliding.



**WARNING: MAKE SURE HEAD & CHEST ARE IN LOCKED POSITION AND NOT GLIDING BEFORE PATIENTS IS LAYING ON TABLE.**

# Pelvic Cushion Flexion - Distraction

The Pelvic section is designed with the capability of Traction, Lateral Side Bending, Flexion, and optional Rotation




**WARNING: THE FOLLOWING PELVIC OPERATIONS ARE ONLY TO BE OPERATED BY A PROFESSIONAL PRACTITIONER, EDUCATED IN THE PROCEDURE OF FLEXION - DISTRACTION AND TRACTION, ON THE LOWER BACK AND SPINE.**

## Manual Pelvic Flexion Distraction



**THE PELVIC FLEXION PRESSURE SHOULD BE CHECKED ON THE GAUGE FOR PROPER SUPPORT AND ADJUSTED BEFORE ALLOWING A PATIENT ON THE TABLE.**

### To Increase the Flexion Pressure:

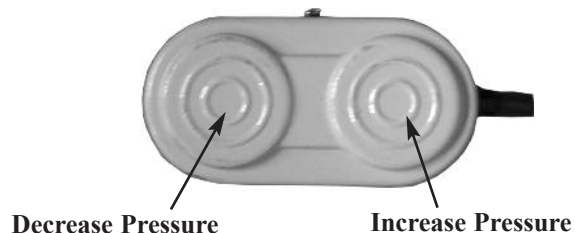
1. Turn the Flexion Lock Handle (Yellow)(No. 3) up to unlock manual pelvic flexion. Activating the cord end of the gray foot pedal will increase the flexion pressure.
2. Observe the Flexion Pressure Gauge (No. 4)  **CAUTION: DO NOT EXCEED 800 PSI**

### To Decrease the Flexion Pressure:

1. Turn the Flexion Lock Handle (Yellow)(No. 3) up to unlock manual pelvic flexion. Activating the cordless end of the gray foot pedal will decrease the flexion pressure.
2. Pressure drop can be observed on the pressure gauge.



**CAUTION: DO NOT REDUCE BELOW 300 PSI**



# Pelvic Cushion Flexion - Distraction

## Manual Flexion



**BEFORE ENGAGING PELVIC FLEXION, BE SURE THE PRESSURE IS PROPERLY ADJUSTED TO SUPPORT PATIENT (SEE FLEXION PRESSURE PAGE 12).**

1. Turn the Yellow Flexion Lock Handle (Page 12, No. 3) up to engage manual flexion. Simply push down on the pelvic, ankle cushion, or optional T-Bar to achieve flexion. The Flexion Pressure Gauge pressure should be adjusted to push the patient's weight back up (page 12).
2. To bring the pelvic cushion back to its horizontal position, the operator simply has to let up on the cushion.
3. Once the pelvic cushion is level, turn the Yellow Flexion Lock Handle (Page 12, No. 3) down to lock manual flexion.



**BE SURE TO TURN THE YELLOW FLEXION LOCK HANDLE DOWN, LOCKING THE CUSHION IN ITS HORIZONTAL POSITION, BEFORE ALLOWING A PATIENT ON OR OFF THE TABLE.**

## Semi-Automatic Flexion

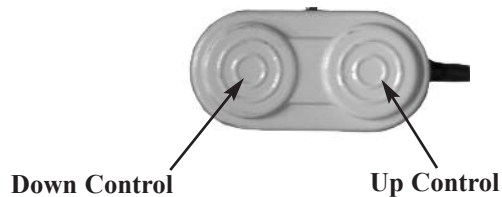
The up/down motion of the pelvic cushion can also be performed semi-automatically with the gray foot pedal.



**ALWAYS CHECK THE UP/DOWN SPEED OF THE PELVIC CUSHION BEFORE ADJUSTING THE PATIENT. SEE FLEXION SPEED CONTROL BELOW.**

1. To activate the semi-automatic flexion depress either side of the gray foot pedal.

**Up Control:** Press corded side of the gray foot pedal to bring cushion up.  
**Down Control:** Press the cordless Side of the gray foot pedal to bring cushion down.



## Semi-Automatic Flexion - Speed Control

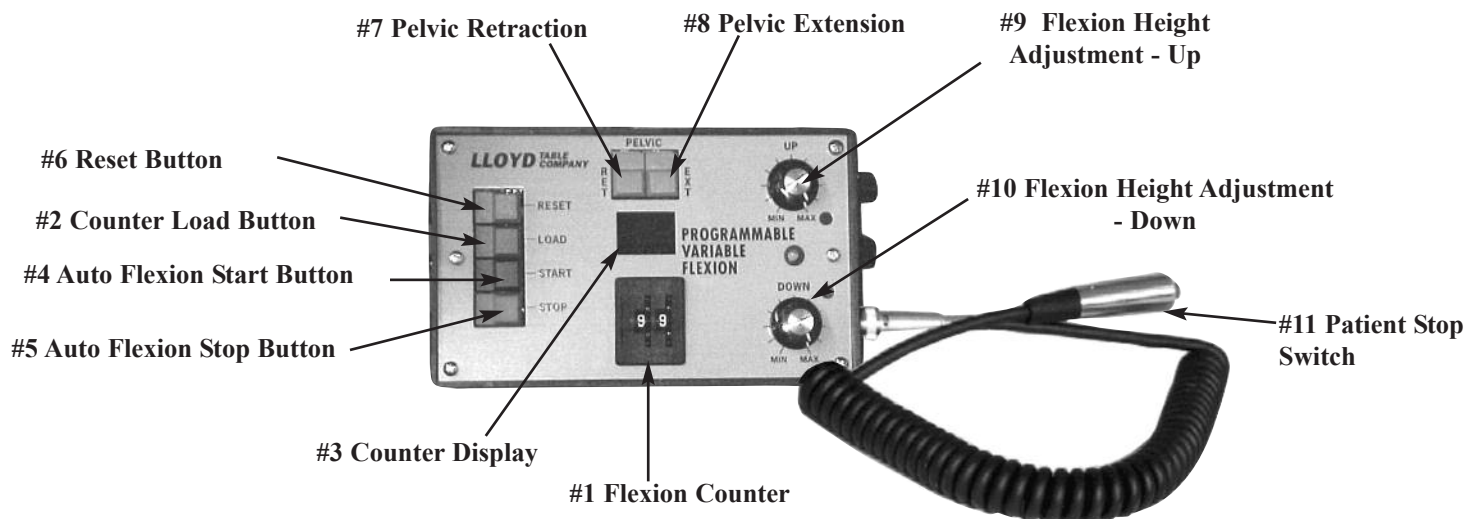
**Up Speed Control:** Turn the Up Speed Control (Page 12, No. 1) clockwise to decrease the flexion speed in the up motion.

Turn the Up Speed Control (Page 12, No. 1) counterclockwise to increase the flexion speed in the up motion.

**Down Speed Control:** Turn the Down Speed Control (Page 12, No. 2) clockwise to decrease the flexion speed in the down motion.

Turn the Down Speed Control (Page 12, No. 2) counterclockwise to increase the flexion speed in the down motion.

# Pelvic Cushion Flexion - Distraction



## Auto Flexion Preliminary Check

The following steps should be checked before operating auto flexion:

1. The Flexion Lock Handle (Page 12, No. 3) must be in down position to operate auto flexion.
2. Pelvic Side Bending must be locked in the center of table (See Page 16).
3. Optional Pelvic Rotation must be locked into a non-rotated position (See Page 17).
4. Make sure to run a test, checking the flexion depth and speed before adjusting a patient.



**ALWAYS CHECK THE UP/DOWN SPEED OF THE PELVIC CUSHION BEFORE ADJUSTING THE PATIENT. SEE FLEXION SPEED CONTROL PAGE 12 & 13.**

## Auto Flexion Operation Instructions

The Auto Flexion Counter enables you to program the number of repetitions of Flexion - Distraction desired.

1. Spin the Flexion Counter (No. 1) to desired number of repetitions 01 thru 99.
2. Next, push the Counter Load Button (No. 2) to load the number of repetitions dialed.
3. Notice the number dialed now appears on Counter Display (No. 3).
4. After the number has been loaded push the Auto Flexion Start Button (No. 4)
5. The Auto Flexion Stop Button (#5) and Patient Stop Switch (#11) can be used as an emergency shut-off. Once activated, the flexion cushion will stop instantly.

## Reset Button

The Reset Button (No. 6) is used to discontinue the flexion motion, and to reset the counter back to zero. When the Reset Button is pressed during the flexion motion, the table will continue through its cycle until it reaches its top position, then stops.

## Pelvic Cushion Extension & Retraction

1. To elongate the pelvic cushion simply press the Pelvic Extension (No. 8) button. Press until desired length is obtained, and release.
2. To shorten the pelvic cushion press the Pelvic Retraction (No. 7) button. Press until desired length is obtained, and release.



# Pelvic Cushion Flexion - Distraction

## Adjusting the Depth of the Up & Down Position



**ALWAYS CHECK THE UP/DOWN SPEED OF THE PELVIC CUSHION BEFORE ADJUSTING THE PATIENT. SEE FLEXION SPEED CONTROL PAGE 12 & 13.**

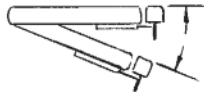


Fig. #1

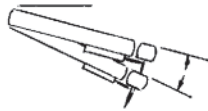


Fig. #2

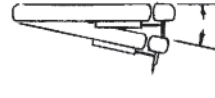
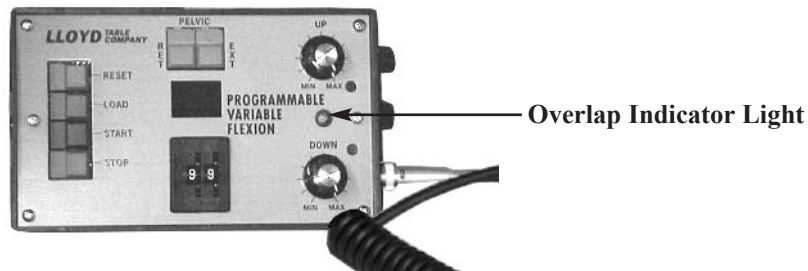


Fig. #3

**Fig. #1:** When the Flexion Height Adjustment - Up & Down Knobs (Page 14, No. 9 & 10) are turned clockwise to their maximum limit, the pelvic cushion travels to its maximum flexion distance.

**Fig. #2** As the Flexion Height Adjustment - Up knob (Page 14, No. 9) is turned in a counter clockwise direction, the pelvic cushion will minimize its up travel. The result is a shorter up stroke, keeping the pelvic cushion in the low side.

**Fig. #3** As the Flexion Height Adjustment - Down knob (Page 14, No. 10) is turned in a counter-clockwise direction, the pelvic cushion will minimize its down travel. The result is a shorter down stroke, keeping the pelvic cushion on the high side.



## Overlap Indicator

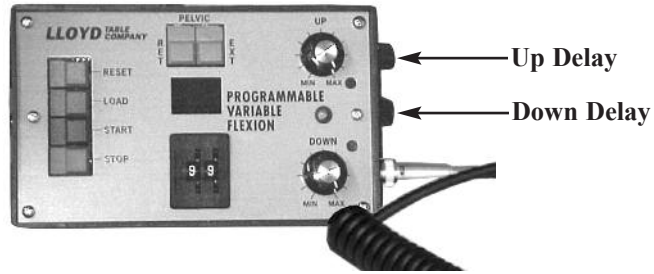
The overlap indicator light shows that the operator has lapped the Up & Down Flexion Modes over one another.

**Example:** Both the Flexion Adjustment - Up & Down controls are turned to their maximum limit (MAX). The pelvic flexion has been started, and you want to shorten up the stroke. You then turn the up control, back in a counterclockwise direction. When the knob is turned back, the flexion stroke gets shorter and shorter. eventually you turn the control knob to the point where the green indicator light comes on, and the flexion stops.

This indicates that the up strokes have been shortened to the point where it converges with the down stroke, causing the motion to halt. To restart the flexion, turn the Up control clockwise until the indicator light is off.

The same will occur when turning the down control too far counterclockwise, causing it to converge with the up stroke.

## Pelvic Cushion Flexion - Distraction



### Up Delay Feature

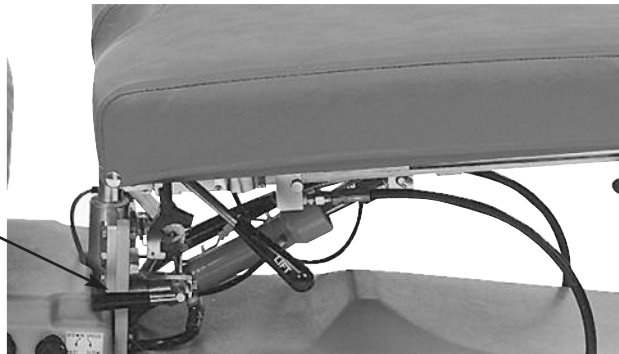
The Up delay adjustment knob controls the amount of time the pelvic cushion stays in the highest set position from 0 to 30 seconds. Simply turn the knob clockwise to increase the delay.

### Down Delay Feature

The down delay adjustment knob controls the amount of time the pelvic cushion stays in the lowest set position from 0 to 30 seconds. Simply turn the knob clockwise to increase the delay.

## Pelvic Lateral Side Bending

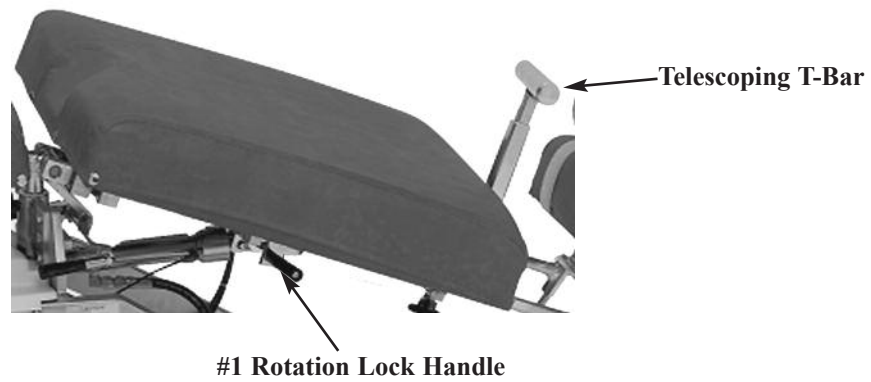
Lateral Side Bending Lock  
/ Unlock Handle



### To Operate Lateral Side Bending Feature:

1. Turn the Lateral Side Bending Handle up, to allow the pelvic cushion to laterally bend
2. The cushion can be locked at various angles of side bending, laterally moving the cushion in position and locking the handle down.

# Pelvic Rotation & T - Bar



## Pelvic Rotation (Optional)

### To Unlock the Pelvic Rotation

1. Support the edge of the pelvic cushion.
2. Pull up and slide the Rotation Lock Handle (No. 1) towards the rear of the table to unlock.

### To lock the Pelvic Rotation

1. Place the Pelvic Cushion into it's horizontal position.
2. Slide the Lock Handle (No. 1) forward to lock.

## Telescoping T-Bar (Optional)

### To Change the height of the T-bar

1. While T-Bar is revealed and locked into position simply pinch the red lever against the T-Handle to elevate or lower. Release red lever when desired height is obtained.

### To reveal Telescoping T-Bar

1. Simply pivot the handle up until it locks into place. (Fig. 1)

### To hide Telescoping T-Bar

1. Pivot the T-Bar down until it is in full horizontal position. (Fig. 2)

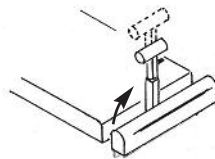


Fig. 1

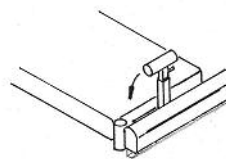


Fig. 2

## Ankle Rest




### Ankle Rest Adjustment

#### To Extend or Retract the Ankle Rest


1. Loosen the Horizontal Lock Knob (No. 1) and slide the cushion to the desired length.
2. Once the cushion is adjusted, tighten the lock knob.

### Vertical Ankle Rest

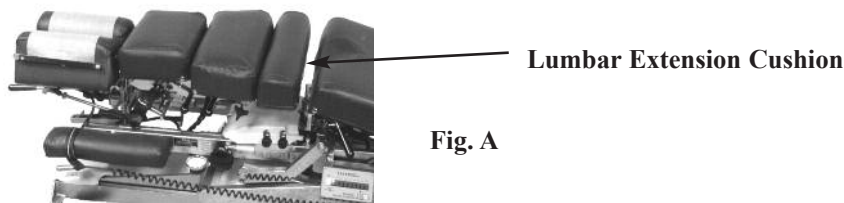
#### To Raise the Ankle Rest

1. Simply lift on the sides of the Ankle Rest Cushion.
2. Once the desired height is obtained the cushion will automatically lock  into position when released.

#### To Lower the Ankle Rest

1. From the back end of the table, support the center of the Ankle Rest Cushion with the right-hand.
2. With left hand, slide the Vertical Lock Lever (No. 2) towards the left  to release lock.
3. Lower the cushion to desired height, and release the Vertical Lock Lever to lock into place.

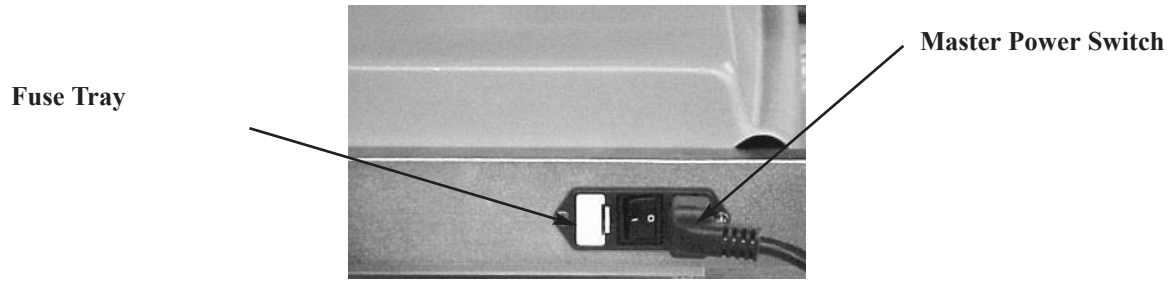
## Lumbar Extension Cushion



The Lumbar Extension Cushion is designed to fill in the gap between the chest and pelvic cushions when table is extended for tall patients.

Lumbar Extension Cushion rods can be inserted into the lower chest (A) as shown above.

# Master Power Switch



The Master Power Switch is located on the front left side of the base frame. The switch is operated by pushing on the left or right side, marked with a zero or dash. Once the power is on, select a Height Button to activate power to the table (Height Select Panel).

- A. ON is indicated with a dash (-)
- B. OFF is indicated with a Zero (0)

**WARNING: WHEN THE TABLE IS NOT IN USE OR DOCTOR IS AWAY FROM THE TABLE, THE POWER SWITCH SHOULD BE TURNED OFF.**

## Power Switch Fuses

**WARNING: UNPLUG THE POWER CORD FROM THE ELECTRICAL WALL OUTLET BEFORE REMOVING THE FUSE HOLDER TO AVOID INJURY.**

A fuse holder tray is located next to the power switch and can be removed by pushing along the right side. Replace fuses with the same size rating.

# Foot Pedal Control

## Directional Pedal (Black)

The directional pedals have the dual function of raising and lowering table in elevation. The directional pedals can be operated in manual and auto mode.



## Elevation

Corded Side - Elevates the table horizontally.

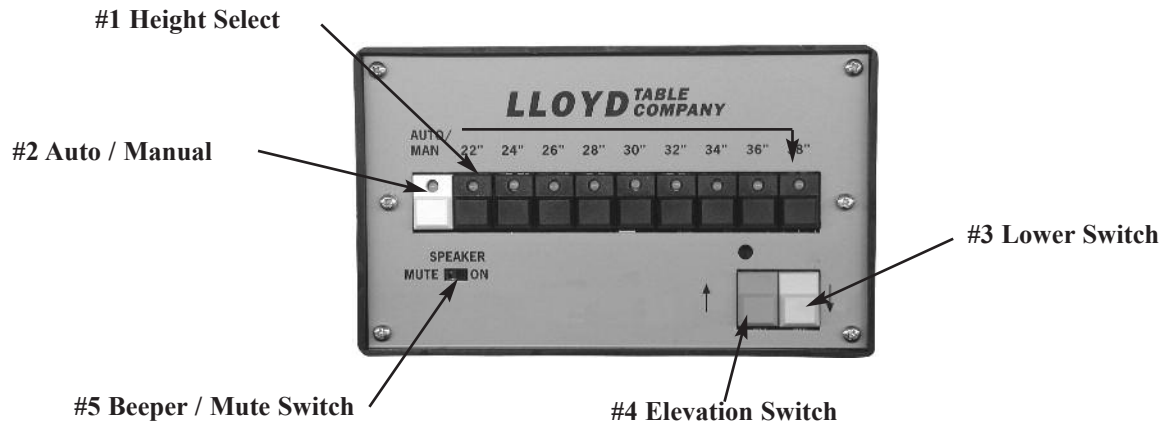


Non - Corded Side - Lowers the table.



Flexion Control Pedal (Gray) (See Page 12 & 13)

# Height Select Panel



## Height Select (No. 1)

The height select panel consists of nine height select buttons whereby the operator can preselect a desired height. The buttons range from 22 to 38 inches, at two inch increments. A button is activated when depressed, emitting a green light.

## Auto / Manual (No. 2)

**Manual Mode -** The table is set in the manual mode whenever the electrical power is turned on. In the manual mode; the height of the elevation or tilt of the table can be adjusted with the foot pedal or with the directional switches on the panel. The table will stop when the pedal or panel switch is released. If the Auto / Manual (No. 2) green light is on, it must be depressed to operate in manual mode.

**Auto Mode -** Pressing the auto / manual switch (No. 2), illuminates the green light and activates the table in the auto mode. The directional switch or pedal can be released and the table will continue to run a full cycle or to a pre-selected height.

## Lower Switch (No. 3)

The Lower Switch (No. 3) lowers the table from a horizontal position.

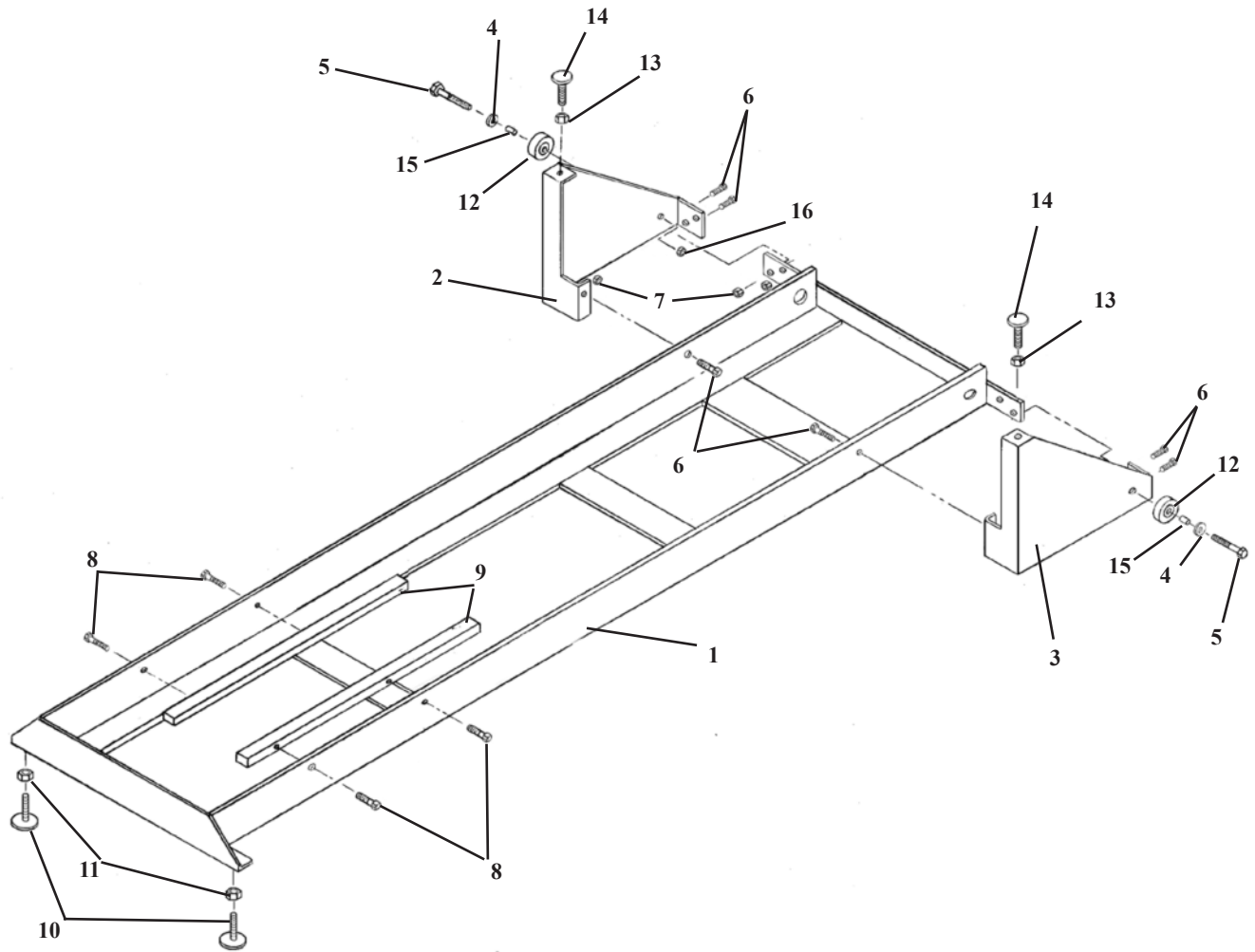
## Elevation Switch (No. 4)

The Elevation Switch (No. 4) raises the table to a higher position.

## Beeper / Mute Switch (No. 5)

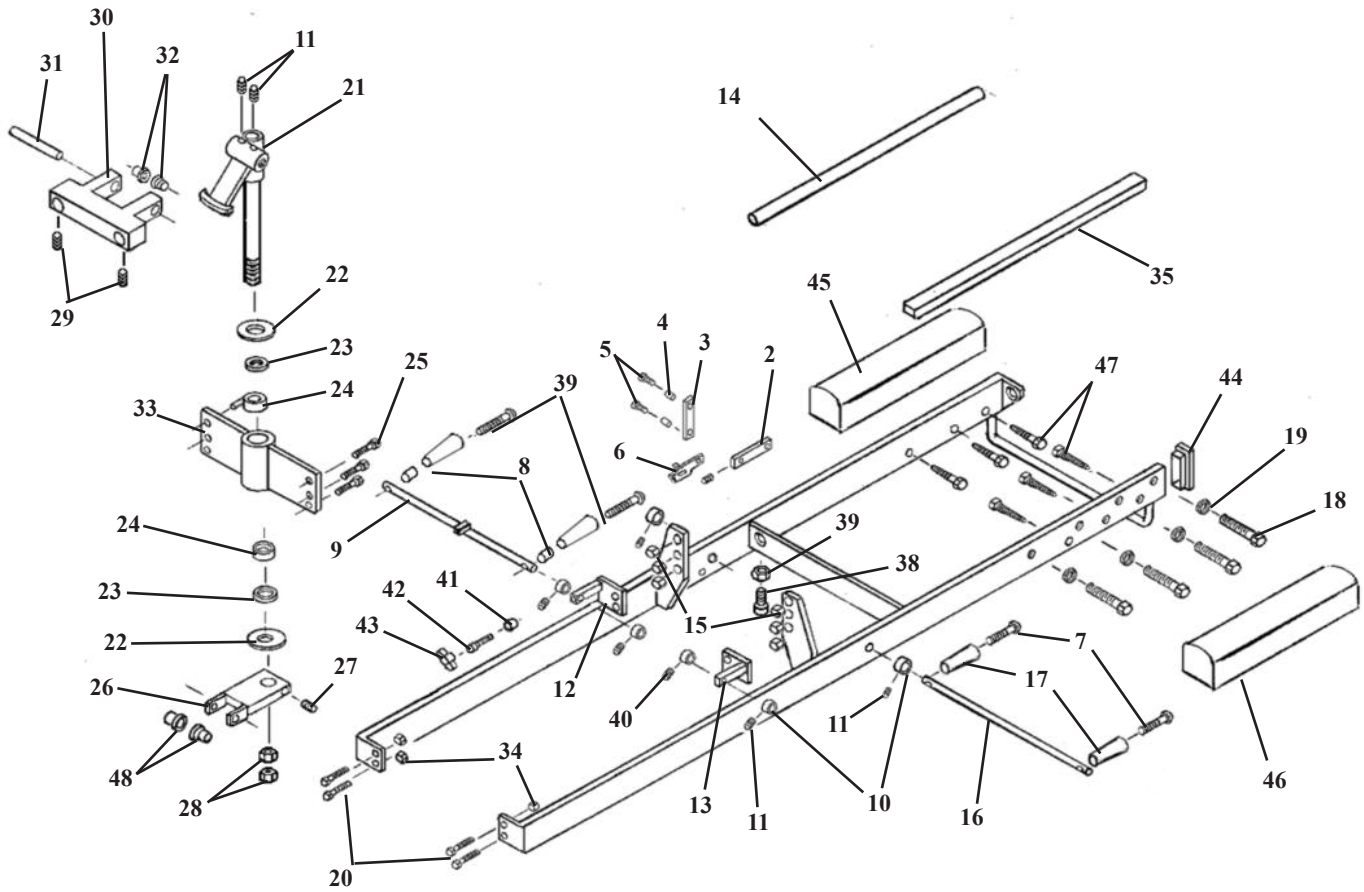
Used for turning the beeper sound on or off. The beeper provides an audible sound to indicate that a command was given to the main logic board.

# BASE FRAME ASSEMBLY



ITEM	PART NO.	DESCRIPTION	QTY.
1	55110	BASE FRAME ASSEMBLY	1
2	58026	WHEEL PLATE ASSEMBLY (RH), 19"	1
3	58027	WHEEL PLATE ASSEMBLY (LH), 19"	1
4	21910	WASHER, FLAT, 1/2 ID X 1 OD X 0.095	2
5	20542	BOLT, HEX HD, 1/2 - 20 NF X 2 1/4 (CHROMED)	2
6	20115	BOLT, HEX HD, 1/4 - 28 NF X 3/4	6
7	21020	NUT, HEX, 1/4 - 28 NF	6
8	20112	BOLT, HEX HD, 1/4 - 28 NF X 5/8	4
9	50170	GUIDE BAR, 7/16 X 5/8 X 15 1/2	2
10	20373	BOLT, WELDING, 3/8 - 16 NC X 1 1/2 (PLASTIC)	2
11	21210	NUT, HEX, 3/8 - 16 NC	2
12	50050	WHEEL, 900	2
13	21110	NUT, JAM, 5/16 - 18 NC	2
14	20230	BOLT, WELDING, 5/16 - 18 NC X 1 1/4	2
15	58460	BUSHING, WHEEL, 0.506 ID X 5/8 OD X 1.562	2
16	21320	NUT, JAM, 1/2 - 20 NF	2

# FRAME ASSEMBLY McMANIS ELEVATION

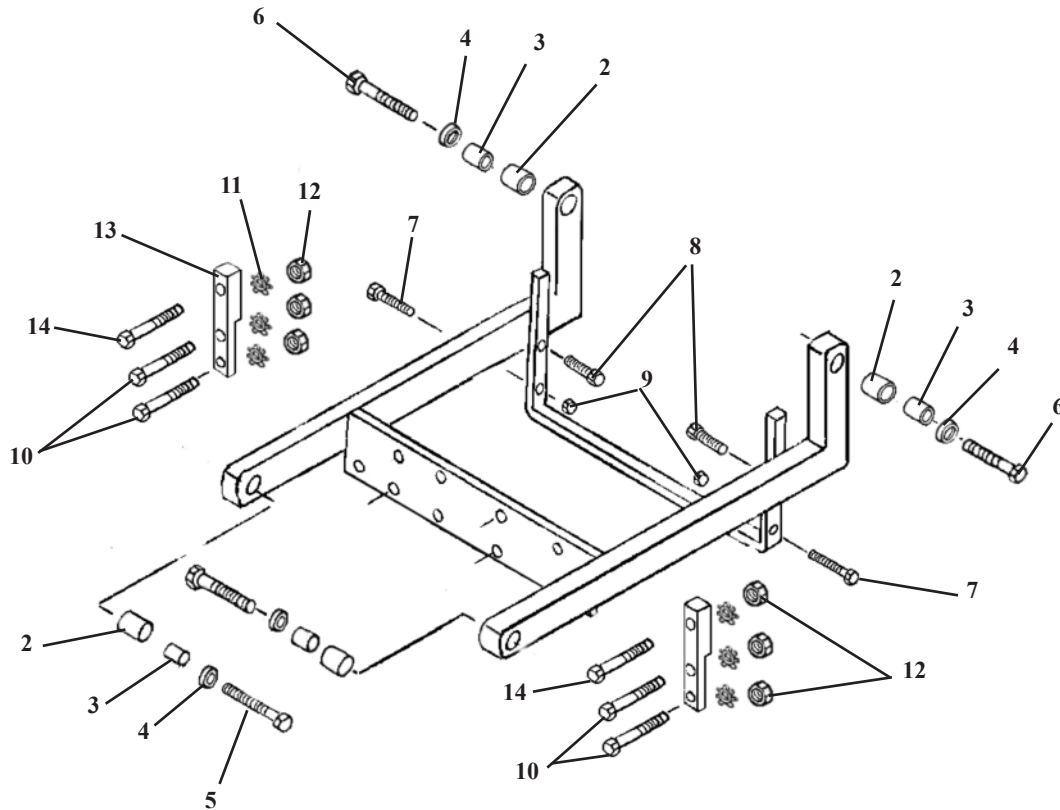




# ELEVATION TOP FRAME ASSEMBLY

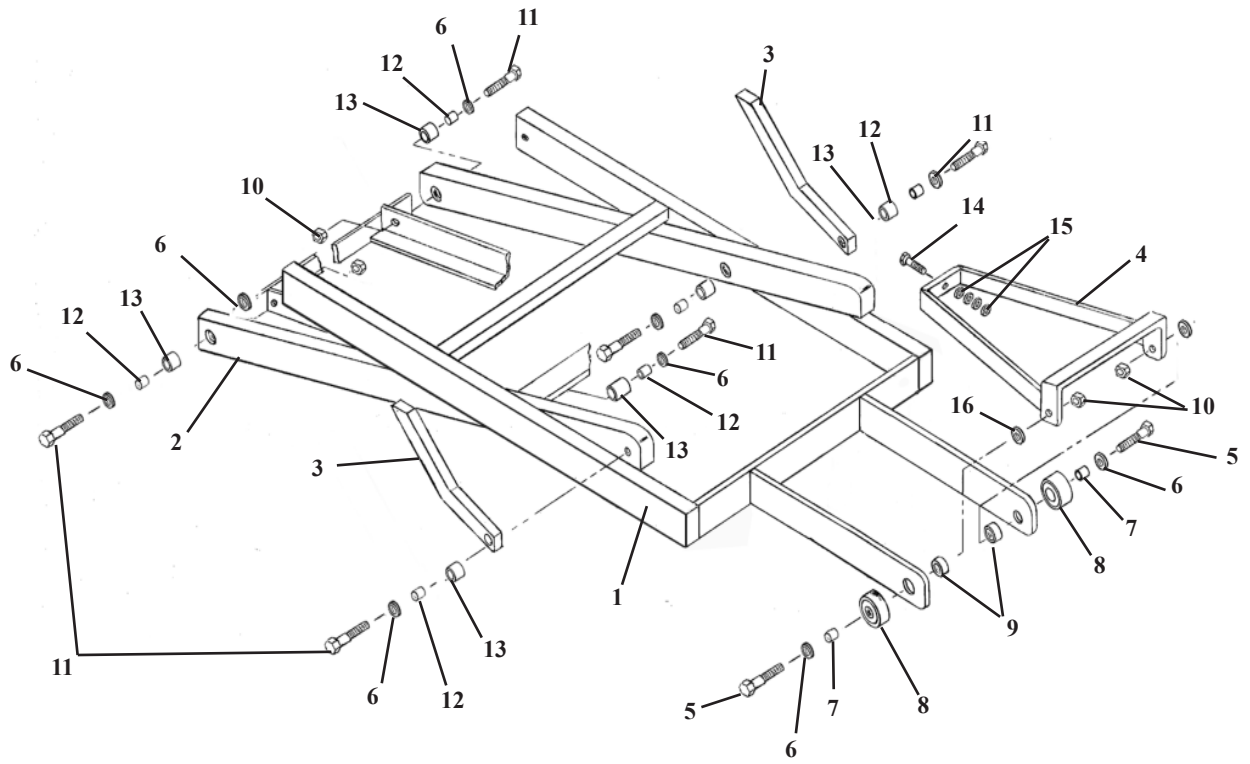
ITEM	PART NO.	DESCRIPTION	QTY.
1	58120	ELEVATION FRAME ASSEMBLY	1
2	58089	ARM, VALVE, 3/8 X 5/8 X 2	1
3	58086	BAR, LINKAGE, VALVE, 1/8 X 1/2 X 2	1
4	22860	BUSHING, 3/16 ID X 1/4 OD	2
5	21995	SCREW, MACHINE, PAN HD, #10 - 24 NC X 1/2	2
6	58090	VALVE HANDLE	1
7	22050	SCREW, MACHINE, ROUND HD, 1/4 - 20 NC X 2 1/2	2
8	24020	LOCK HANDLE (BLACK)	2
9	58199	LATERAL LOCK ROD ASSEMBLY	1
10	22912	COLLAR, 3/8 "	6
11	22110	SET SCREW, 1/4 - 20 NC X 1/4	7
12	58386	SUPPORT BRACKET (LH)	1
13	58385	SUPPORT BRACKET (RH)	1
14	51331	SLIDE ROD, 23/32 RD X 18 3/16	1
15	21112	NUT, HEX, 5/16 - 18 NC	2
16	58081	ROD, VALVE CONTROL, 3/8 RD X 14	1
17	24021	CONTROL HANDLE, YELLOW	2
18	20052	BOLT, HEX HEAD, 1/4 - 20 NC X 1 3/4	4
19	21010	WASHER, FLAT, 1/4 ID	4
20	20007	BOLT, HEX HEAD, 1/4 - 20 NC X 5/8	4
21	58004	LOCK ASSEMBLY	1
22	21959	WASHER, FLAT, PLASTIC, 11/16 ID X 1 1/2 OD	2
23	22800	RACE, BEARING, 1 3/8 OD	2
24	22835	ROLLER BEARING, 5/8 ID	2
25	20222	BOLT, HEX HEAD, 5/16 - 18 NC X 1 1/4	6
26	58024	SWIVEL BLOCK ASSEMBLY	1
27	22162	SET SCREW, 1/4 - 28 NF X 5/8	1
28	21214	NUT, HEX, 5/8 - 18 NF	2
29	22250	SET SCREW, 5/16 - 24 NF X 1/2	2
30	58008	YOKE BLOCK ASSEMBLY	1
31	58151	ROD, LINKAGE, 1/2 RD X 3 1/2	1
32	22888	BUSHING, BRASS, 1/2 ID X 5/8 OD X 3/4	2
33	58003	PEDESTAL ASSEMBLY	1
34	21010	NUT, HEX, 1/4 - 20 NC	4
35	55573	RAIL, GUIDE ASSEMBLY, 3/8 X 1 X 16 1/2	1
36	52192	EXTENSION HANDLE	2
37	21110	NUT, JAM, 5/16 - 18 NC	1
38	22240	SET SCREW, SQUARE HEAD, 5/16 - 18 NC X 1	1
39	20129	BOLT, SOCKET HEAD, 1/2 - 20 NC X 3 1/2	2
40	22120	SET SCREW, 1/4 - 20 NC X 1/2	1
41	58183	ACETAL SPACER, 1/4 RD X 1/8	1
42	22071	SCREW, MACHINE, SOCKET HEAD, 5/16 - 18 NC X 3/8	1
43	24013	TEE HANDLE	1
44	24417	END CAP	1
45	40010	CUSHION, ARM REST (LH)	1
46	40030	CUSHION, ARM REST (RH)	1
47	22085	SCREW, HEX HEAD, LAG, 1/4 X 3	6
48	22883	BUSHING, FLANGE, 3/8 ID X 1/2 OD X 3/8 OILITE	2

# SCISSORS YOKE ASSEMBLY



ITEM	PART NO.	DESCRIPTION	QTY.
1	58129	YOKE FRAME ASSEMBLY	1
2	22900	BUSHING, BRASS, 7/8 ID X 1 1/4	4
3	30610	SLEEVE, STEEL, 1/2 ID X 7/8 OD X 1 1/4	4
4	21910	WASHER, FLAT, 1/2 ID X 1 OD	4
5	20532	BOLT, HEX HD, 1/2 - 20 UNC X 2 (CHROME)	2
6	20542	BOLT, HEX HD, 1/2 - 20 UNC X 2 1/4 (CHROME)	2
7	20052	BOLT, HEX HD, 1/4 - 20 UNC X 1 3/4	2
8	20027	BOLT, HEX HD, 1/4 - 20 UNC X 1 1/2	2
9	21010	NUT, HEX, 1/4 - 20 UNC	2
10	20112	BOLT, HEX HD, 1/4 - 28 UNF X 5/8	4
11	21630	WASHER, STAR, 1/4 ID	6
12	21020	NUT, HEX, 1/4 - 28 UNF	6
13	58127	ADAPTOR PLATE (24" TABLE)	2
14	20120	BOLT, HEX HD, 1/4 - 28 UNF X 1 (24" TABLE)	2

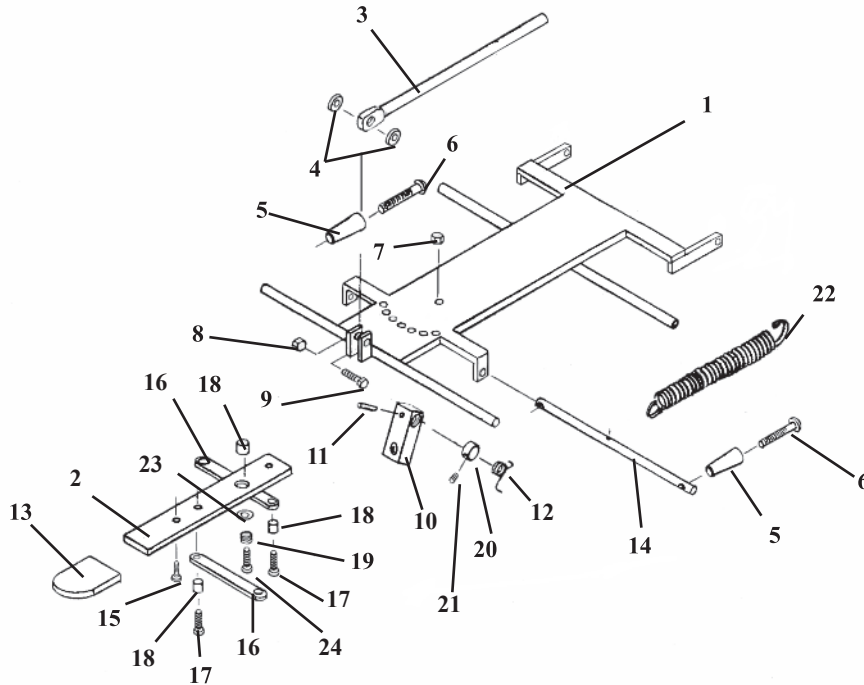
# SCISSORS FRAME ASSEMBLY



ITEM	PART NO.	DESCRIPTION	QTY.
1	55311	H - FRAME ASSEMBLY, DOUBLE	1
2	55330	H - FRAME ASSEMBLY, SINGLE	1
3	50341	BAR, LINKAGE, 19"	2
4	58113	TONGUE ASSEMBLY, 19"	1
5	50356	BOLT, HEX HEAD, 1/2 - 20 NF X 2 (SHAVED HEAD)	2
6	21910	WASHER, FLAT, 1/2 ID X 1 OD	8
7	50390	SLEEVE, STEEL, 1/2 ID X 3/4 OD X 0.52	2
8	22840	BEARING, BALL, 3/4 ID	2
9	22820	BEARING, BALL, 1/2 ID	2
10	21320	NUT, JAM, HEX, 1/2 - 20 NF	4
11	20352	BOLT, HEX HD, 1/2 - 20 NF X 2 (CHROMED)	6
12	30610	SLEEVE, STEEL, 1/2 ID X 7/8 OD X 1 1/4	6
13	22900	BUSHING, BRASS, 7/8 ID X 1 1/4	6
14	20350	BOLT, HEX HD, 3/8 - 16 NC X 1 1/4	1
15	21810	WASHER, FLAT, 3/8 ID X 13/16 OD	2
16	50410	SPACER, SCISSORS TONGUE, 1/2 ID X 23/32 OD X 0.18	2

NOTE: THE HEX BOLT (ITEM 11) TO ATTACH SINGLE H-FRAME TO BASE FRAME HAS TO BE 2 1/4" LONG (# 20542) IF A WASHER SPACER HAS TO BE USED BETWEEN THE BASE FRAME AND THE SINGLE H-FRAME.

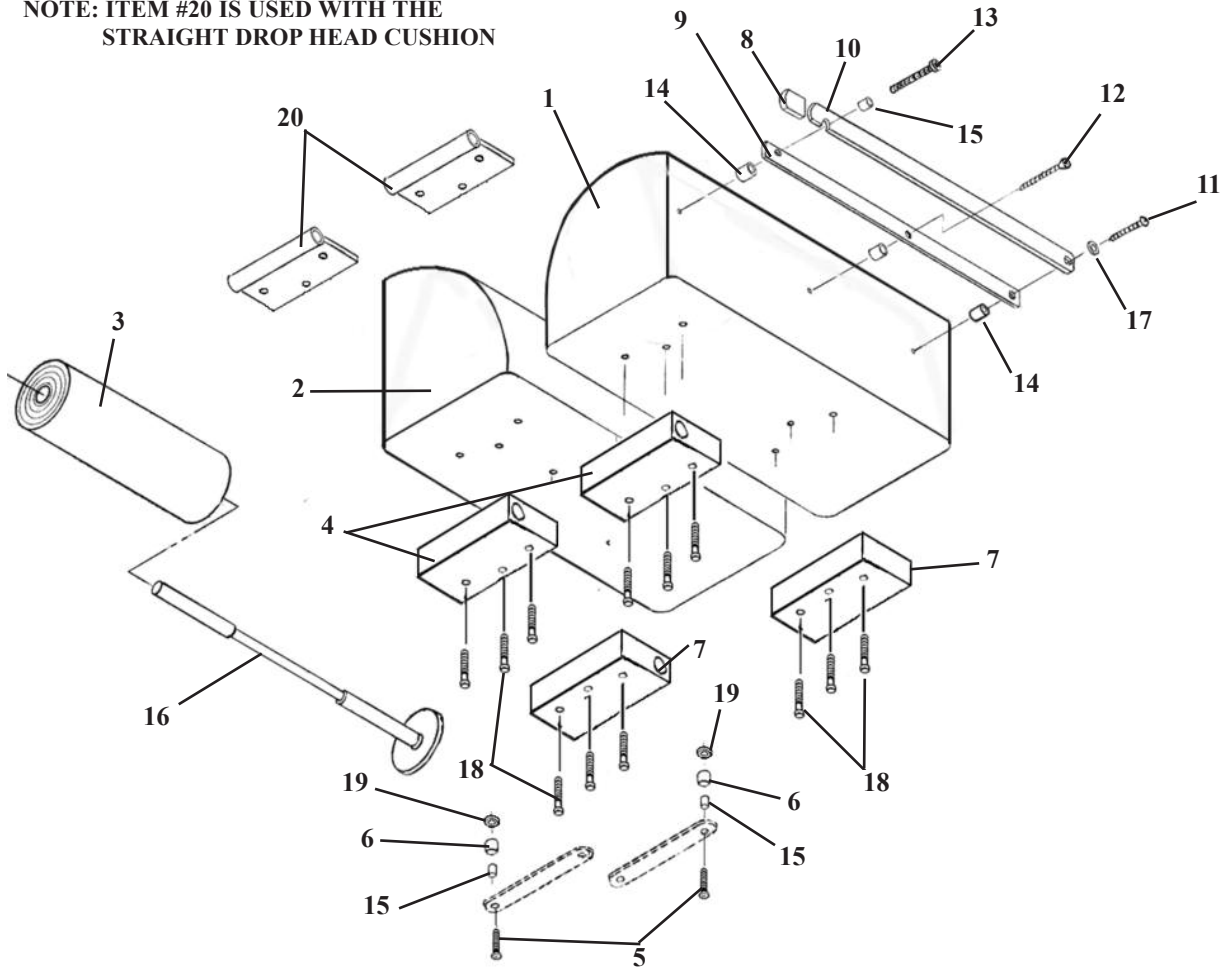
# DELUXE HEAD FRAME ASS'Y



ITEM	PART NO.	DESCRIPTION	QTY.
1	56051	FASTENER PLATE ASS'Y	1
2	57221	ADJUSTMENT ARM	1
3	55929	CENTER BAR	1
4	21616	PLASTIC FLAT WASHER, ¼ ID X ¾ OD	2
5	24020	HANDLE	2
6	22050	RD. HD. MACHINE SCREW, ¼-20 UNC X 2 ½	2
7	21450	HEX. NUT, #10-24 UNC	1
8	21020	HEX. NUT, ¼-28 UNF	1
9	20115	HEX. HD. BOLT, ¼-28 UNF X 1.00	1
10	54107	ADJUSTMENT BLOCK	1
11	22670	ROLL PIN, 1/8RD. X ¾	1
12	30870	TORSION SPRING	1
13	24236	PLASTIC CAP	1
14	57205	ADJUSTMENT ROD, 7/16 RD. X 9 5/8	1
15	22300	RD. HD. MACHINE SCREW, #8-32 UNC X ¼	1
16	57175	LINKAGE BAR, 1/8 X ½ X 3 9/16	2
17	21995	PAN HD. MACHINE SCREW, #10-24 UNC X ½	3
18	22860	BUSHING, 3/16ID X ¼ OD X .160	3
19	30722	COMPRESSION SPRING, .235 ID X .5/16 OD X ½	1
20	22912	COLLAR, 3/8 ID	1
21	22110	SET SCREW, ¼-20 UNC X ¼	1
22	30785	TENSION SPRING, ½ ID X 5/8 OD X 7 1/8 (HYLO ONLY)	1
23	21610	WASHER, .26 ID X ½ OD	1
24	22003	PAN HD. MACHINE SCREW, #10-24 UNC X 3/4	1

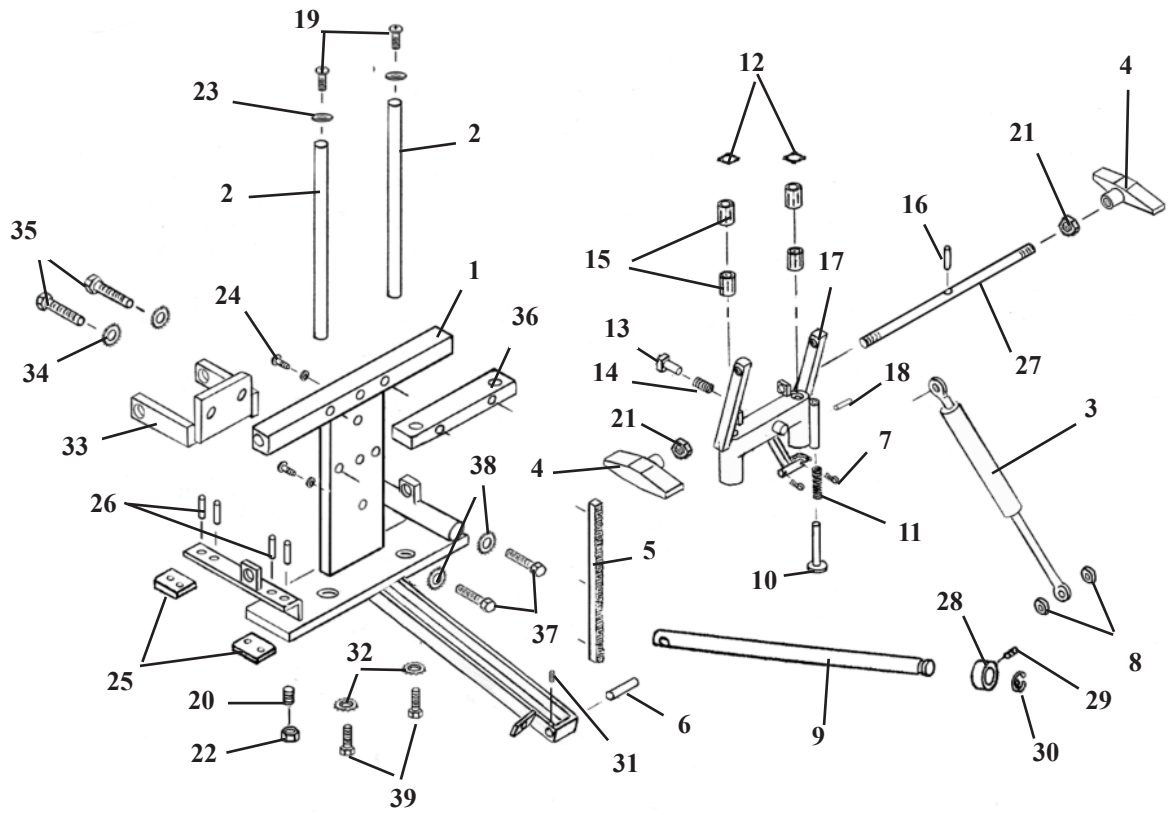
# DELUXE HEAD CUSHION ASS'Y

NOTE: ITEM #20 IS USED WITH THE STRAIGHT DROP HEAD CUSHION



ITEM	PART NO.	DESCRIPTION	QTY
1	40110	CUSHION, HEAD - LEFT HAND	1
2	40130	CUSHION, HEAD - RIGHT HAND	1
3	29999	HEADREST PAPER	1
4	30400	SLIDE BLOCK, FRONT	2
5	22009	OVAL HD. MACHINE SCREW, #10-24 NC X 1 1/2	2
6	57174	SPACER, 3/16 ID X 1/2 OD X 5/8	2
7	30401	SLIDE BLOCK, REAR	2
8	24235	GUARD, CUTTING BAR	2
9	50750	INSIDE CUTTING BAR	1
10	50770	OUTSIDE CUTTING BAR	1
11	22550	RD. HD. WOOD SCREW #14 X 2.00	1
12	22510	FLAT HD. WOOD SCREW, #9 X 1 1/2	1
13	22522	RD. HD. WOOD SCREW, #9 X 2.00	1
14	50720	SPACER, PAPER CUTTER, 3/8 ID X 1/2 OD	3
15	22860	BUSHING, 3/16 ID x 1/4 OD	3
16	50778	PAPER HANGER ASS'Y, w/ Washer	1
17	21610	FLAT WASHER, 3/16 ID X 1/2 OD	1
18	22003	OVAL HD. MACHINE SCREW, #10 - 24 NC X 3/4	12
19	21510	FLAT WASHER, 3/16 ID X 1/2 OD	2
20	57155	GUIDE TUBE ASS'Y, FRONT	2

# I-FRAME ASSEMBLY DELUXE & FROWARD MOTION HEAD



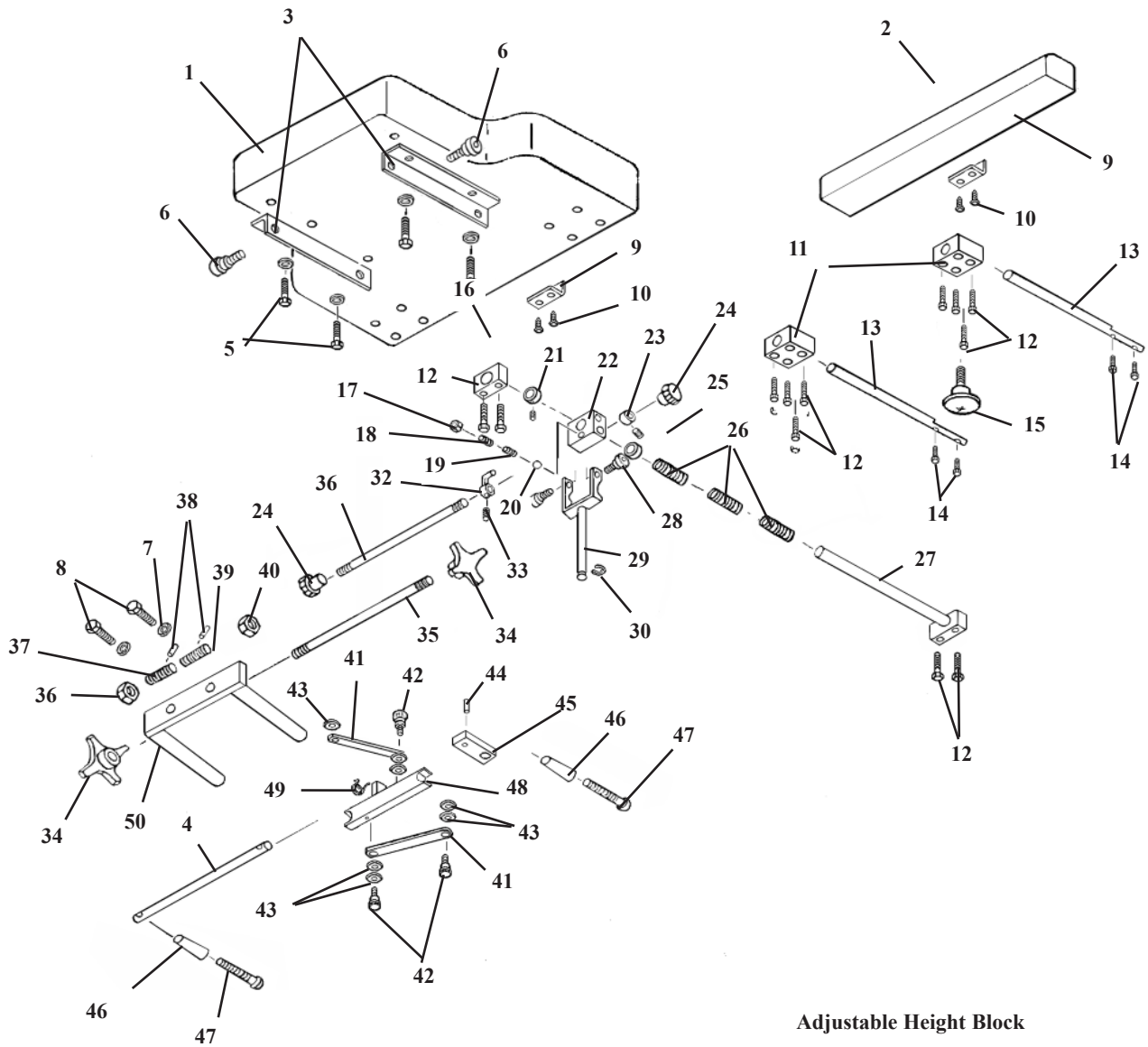
# I-FRAME ASSEMBLY

## DELUXE & FROWARD MOTION HEAD

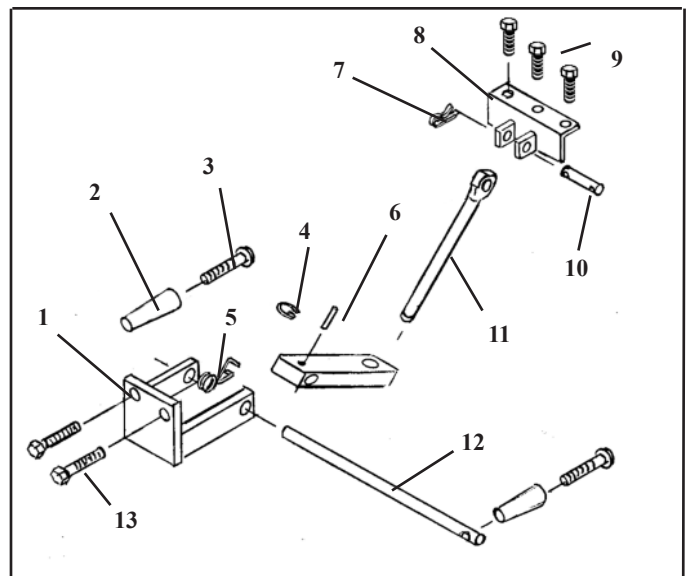
ITEM	PART NO.	DESCRIPTION	QTY.
1	55941	I-FRAME ASS'Y	1
2	50872	GUIDE ROD, ½ RD. X 7 7/8	2
3A	30296	PRESSURE CYLINDER, F/M 89, 50#	1
3B	30297	PRESSURE CYLINDER, DELUXE HD. 40#	1
4	24186	TENSION KNOB	2
5	56019	GEAR RACK	1
6	56002	SUPPORT PIN, 5/16 RD. X 1 7/16	1
7	22640	COTTER PIN, 3/32 X 1.00	4
8	56006	SPACES, 3/8 ID X ½ OD X 3/16	2
9	54108	ROD, TILT LOCK	1
10	55959	PLUNGER ASS'Y	1
11	30740	COMPRESSION SPRING, 5/16 ID X 4 ¾	1
12	24050	SPRING CLIPS	2
13	56064	LOCK PIN ASS'Y, FM & DX Head	1
14	30750	COMPRESSION SPRING, 9/32 ID X ¾	1
15	22891	BUSHING, ½ ID X 1.00,	8
16	22675	ROLL PIN, 1/8 X ¾	2
17	56045	SHUTTLE ASS'Y, F/M & DX Head	1
18	22670	ROLL PIN, 1/8 X ¾	1
19	22013	SOCKET HD. MACHINE SCREW, ¼-20 UNC X ½	2
20	22233	SET SCREW, 5/16-18 UNC X 5/8 BRASS	1
21	21210	HEX NUT, 3/8-16 UNC	2
22	21110	JAM NUT 5/16-18 UNC	1
23	21620	FLAT WASHER, ¼ ID	2
24	21976	PAN HD. MACHINE SCREW, #6-32 UNC X ¾	3
25	55944	SLIDE PLA	4
26	22657	ROLL PIN 1/8 X ¾	4
27	55949	LOCK ROD, 3/8 RD. X 13	1
28	22913	SET COLLAR, ½ ID	1
29	22110	SET SCREW, ¼-20 UNC X ¼	1
30	24285	SNAP RING, ½	1
31	22090	SET SCREW, #10-32 UNC X 3/16	1
32	21630	STAR WASHER, ¼	2
33	56203	SUPPORT BRACKET ASS'Y	1
34	21820	STAR WASHER, 3/8 ID X 11/16 OD	2
35	20332	HEX. HEAD BOLT, 3/8-16 UNC X 1	2
36	56415	ADAPTER PLATE, 3/8 X 1 1/4 X 4 9/16	1
37	20023	HEX. HEAD BOLT, 1/4-20 UNC X 1 1/4	2
38	21630	WASHER, 1/4ID X 1/2 OD	2
39	20007	HEX. HEAD BOLT, 1/4-20 UNC X 5/8	2

# CHEST CUSHION ASS'Y

## SPRING BREAKAWAY - ADJUSTABLE TENSION



Adjustable Height Block



### ADJUSTABLE HEIGHT BLOCK

ITEM	PART NO.	DESCRIPTION	QTY
1	56203	FROK FRAME ASS'Y	1
2	24020	BLACK HANDLE	2
3	22050	RD. HD. SCREW, 1/4-20UNC X 2 1/2	2
4	24286	SNAP RING	2
5	30870	TORSION SPRING	1
6	22660	ROLL PIN	1
7	22640	COTTER PIN 3/32 X 1	1
8	57319	ATTACHMENT BRACKET ASS'Y	1
9	20258	HEX. HD. BOLT, 5/16-18 UNC X 2 1/2	3
10	51920	SUPPORT PIN, 1/2 RD X 2 3/8	1
11	57344	EYE-ROD	1
12	51230	ADJ. ROD 1/2 RD. X 11 1/4	1
13	20332	HEX. HD. BOLT, 3/8-16 UNC X 1	2

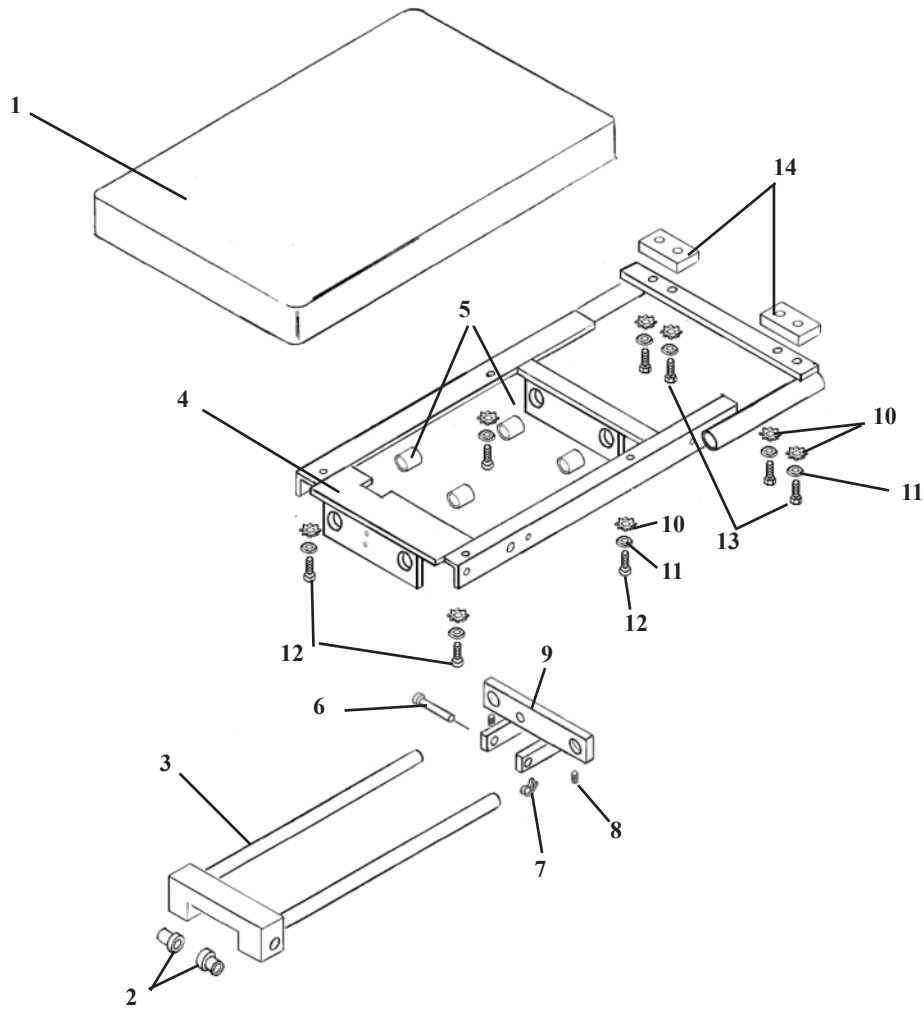


# CHEST CUSHION ASSEMBLY

## SPRING BREAKAWAY

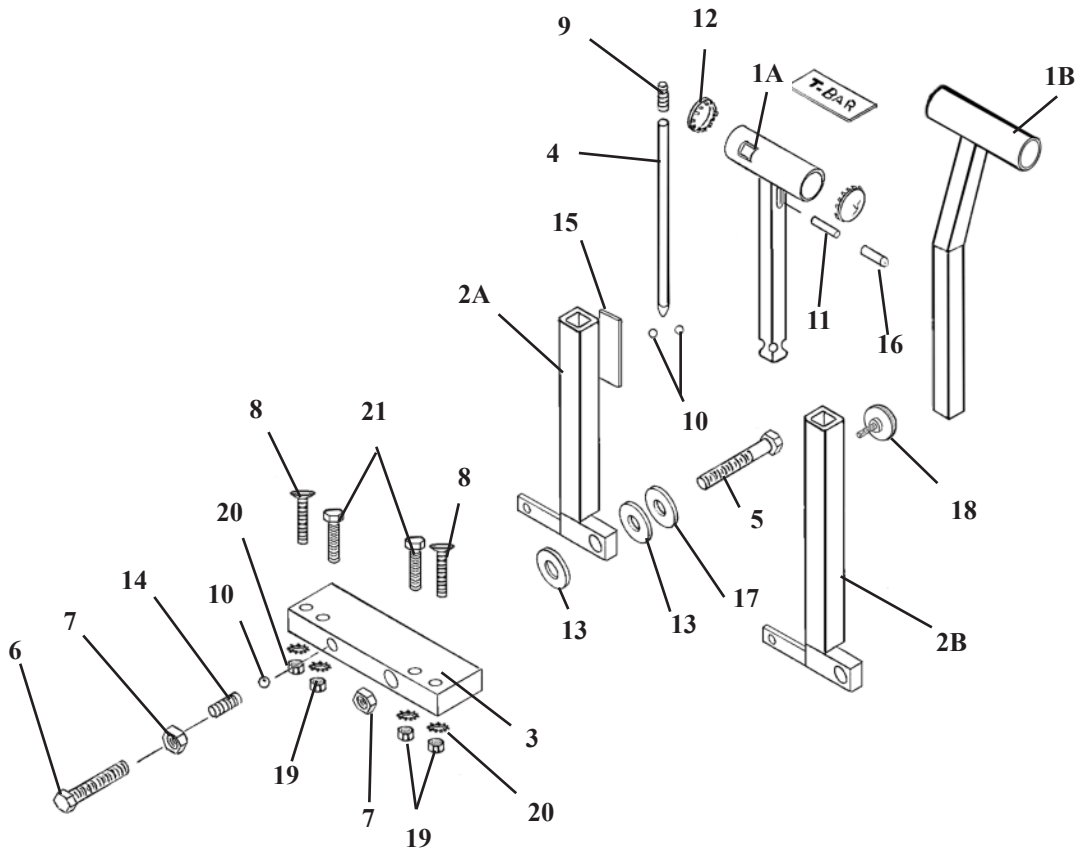
ITEM	PART NO.	DESCRIPTION	QTY.
1A	40210	CUSHION, CHEST – STANDARD	1
1B	40230	CUSHION, CHEST – WIDE	1
2A	40290	CUSHION, EXTENSION – STANDARD	1
2B	40291	CUSHION, EXTENSION – WIDE	1
3	56416	BRACE, CUSHION 1/8 x 1 1/4 SQ.. x 6	2
4	51230	ROD, ADJUSTMENT	1
5	20022	BOLT, HEX HEAD, 1/4 - 20 NC X 1	6
6	20361	BOLT, HEX HEAD, 3/8 – 16 NC X 1 3/4	2
7	21820	WASHER, STAR, 3/8 ID X 11/16 OD	2
8	20332	BOLT, HEX HEAD, 3/8 – 16 NC X 1	2
9	56202	GUARD, CUSHION	2
10	22468	SCREW, SHEET METAL, #10 X 7/8	4
11	57385	GUIDE BLOCK	2
12	20052	BOLT, HEX HEAD, 1/4 - 20 NC X 1 3/4	10
13	57384	SLIDE ROD	2
14	20023	BOLT, HEX HEAD, 1/4 - 20 NC X 1 1/4	4
15	24181	KNOB, STABILIZER, ANKLE SLIDE	1
16	51110	SUPPORT BLOCK	1
17	21012	NUT, JAM, 1/4 - 20 NC	1
18	22120	SET SCREW, 1/4 - 20 NC X 1/2	1
19	30715	SPRING, COMPRESSION, 3/16 ID X 5/32 OD	1
20	22702	BALL, STEEL, 3/16 DIA	1
21	22940	COLLAR, 5/8 ID X 1 3/32 OD	1
22	51090	YOKE BLOCK	1
23	22922	COLLAR, 5/16 ID X 5/8 OD	1
24	24150	KNOB, LOCK	2
25	22854	BUSHING, 5/8 ID X 23/32 OD	1
26	30793	SPRING, COMPRESSION, 11/16 ID X 15/16 OD X 3 1/8	3
27	51068	SUPPORT ROD ASSEMBLY	1
28	20197	BOLT, SOCKET HD, 5/16 – 18 NC SHOU 3/8 X 3/8	2
29	56190	FORK ASS'Y	1
30	24286	SNAP RING, 9/16	1
31	51150	LOCK ROD, 5/16 RD X 13 9/16	1
32	50570	LOCK PIN ASS'Y	1
33	22090	SET SCREW, #10 – 32 NF X 3/16	2
34	24154	KNOB, ADJUSTMENT	2
35	51057	ROD, ADJUSTMENT, 3/8 RD X 7 1/4	1
36	51064	NUT, ADJUSTMENT (RH), 5/8 ACME THD	1
37	51058	WORM SCREW (RH), 5/8 ACME THD	1
38	22675	ROLL PIN, 1/8 X 3/4	2
39	51059	WORM SCREW (LH), 5/8 ACME THD	1
40	51063	NUT, ADJUSTMENT (LH), 5/8 ACME THD	1
41	51067	ARM, LINKAGE, 1/4 X 1/2 X 3 1/2	2
42	20002	BOLT, SOCKET HD, 1/4 - 20 NC SHOU 5/16 X 3/8	4
43	21760	WASHER, PLASTIC, 0.315 ID X 1/2 OD X 0.032	8
44	22660	ROLL PIN, 1/8 X 5/8	1
45	57737	BLOCK, ADJUSTMENT	1
46	24020	HANDLE	2
47	22050	SCREW, MACH, ROUND HD, 1/4 - 20 NC X 2 1/2	2
48	51075	SLIDE ASS'Y	1
49	30870	TORSION SPRING	1
50	51074	C – FRAME ASS'Y	1
51		52	

# T-PELVIC ASSEMBLY NON-ROTATION



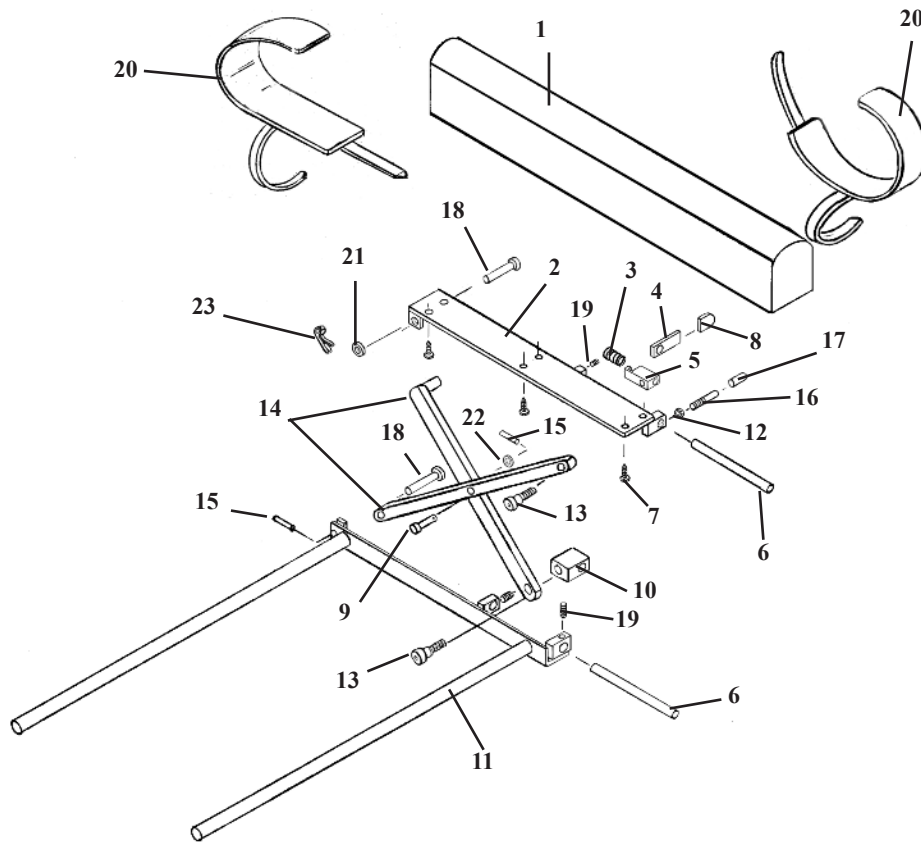
ITEM	PART NO.	DESCRIPTION	QTY.
1	40292	PELVIC CUSHION ASS'Y	1
2	22888	CAP BUSHING, BRASS	2
3	58542	GUIDE FRAME ASS'Y	1
4	58527	CARRIAGE FRAME ASS'Y	1
5	22850	BUSHING, NYLON, 3/4 ID X 7/8 OD X 3/4	4
6	22615	CLEVIS PIN, 5/16 X 2	1
7	22639	COTTER PIN, 3/32 X 1/2	1
8	22250	SET SCREW, 5/16-24 UNF X 1/2	3
9	58594	SLIDE BRACKET ASS'Y	1
10	21620	WASHER, FLAT, 1/4 ID X 9/16 OD	8
11	21630	STAR WASHER, 1/4 ID	8
12	20021	BOLT, SOCKET HD. 1/4-20 UNC X 1	4
13	20023	BOLT, HEX HD. 1/4-20 UNC X 1 1/4	4
14	53264	SPACER, 3/8 X 1 1/4 X 2 3/8	2

# T-BAR ASS'Y



ITEM	PART NO.	DESCRIPTION	QTY.
1A	58406	T-HANDLE, (SHORT)	1
1B	58405	T-HANDLE, (LONG)	1
2A	58400	GUIDE TUBE, (SHORT)	1
2B	58398	GUIDE TUBE, (LONG)	1
3	58411	MOUNTING BLOCK	1
4	58405	LOCK ROD	1
5	20507	HEX HD. BOLT, 7/16-14 UNC X 3 ¼	1
6	20503	HEX HD. BOLT, 7/16-14 UNC X 1 ¼	1
7	21290	HEX NUT, 7/16-14 UNC	2
8	22036	SOCKET HD. MACHINE SCREW, 1/20 UNC X 1 ¼	2
9	30732	COMPRESSION SPRING, ¼ ID X 1 3/8	1
10	22700	STEEL BALL, 3/8	2
11	52190	COCKING PEG, ¼ RD. X 1 ¼	1
12	24413	CAP	2
13	21912	FLAT WASHER, PLASTIC, ½ ID X 1 ¼ OD	2
14	30721	COMPRESSION SPRING	1
15	31160	STICKER	1
16	24415	END CAP	2
17	21910	FLAT WASHER, ½ ID X 1 OD	1
18	24181	LOCK KNOB	1
19	21010	HEX NUT, ¼-20 UNC	2
20	21630	STAR WASHER, ¼ ID	2
21	20027	HEX HD. BOLT, ¼-20 UNC X 1 1/2	2

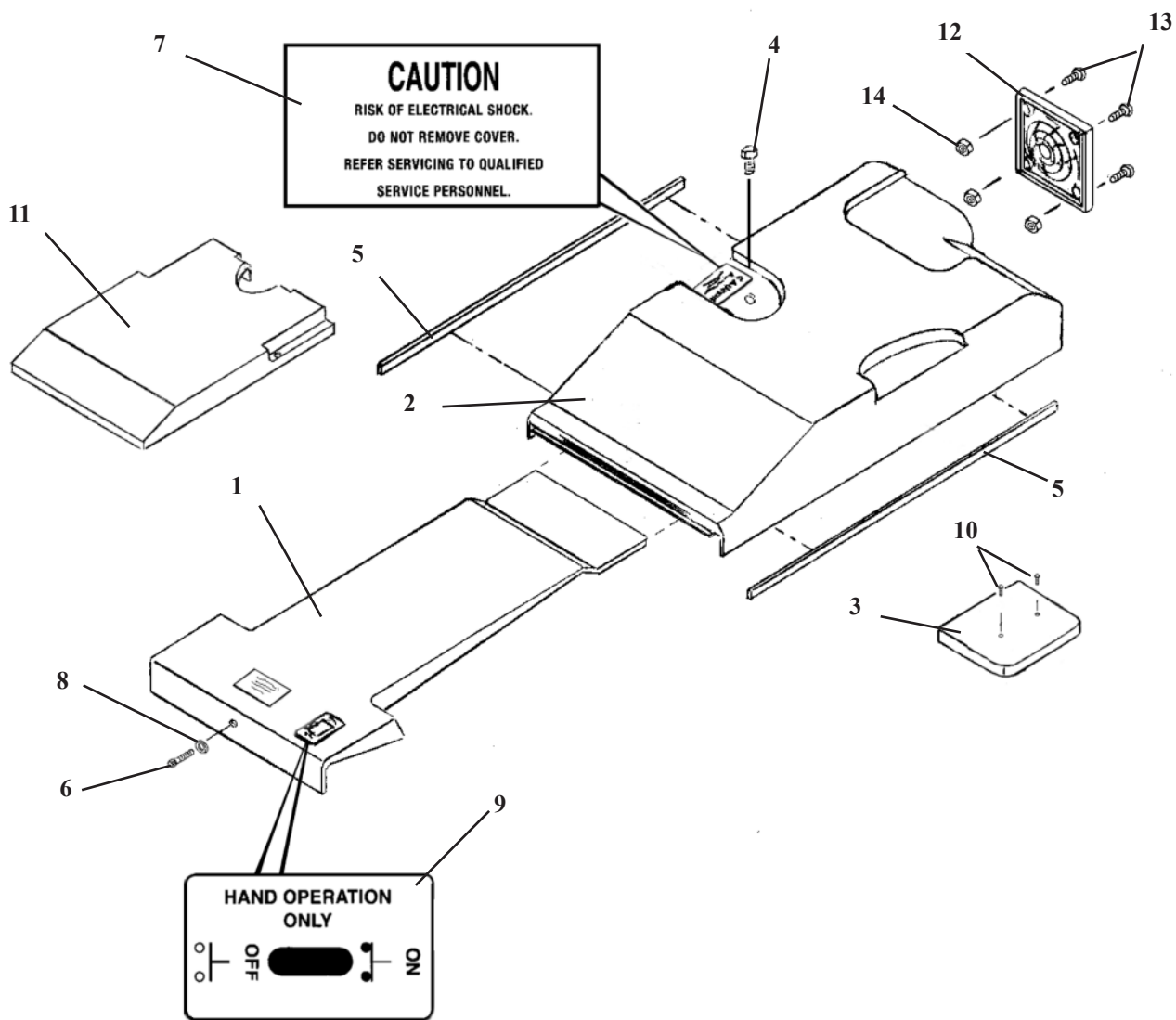
# ANKLE REST ADJUSTABLE HEIGHT



ITEM	PART NO.	DESCRIPTION	QTY.
1	40410	ANKLE REST CUSHION	1
2	56507	BASE PLATE	1
3	30774	COMPRESSION SPRING	1
4	56519	LOCK HANDLE	1
5	56525	GUIDE BLOCK	1
6	56518	GUIDE ROD	2
7	22468	SCREW, WOOD, RD HEAD, #10 X 7/8	6
8	24236	GUARD, TEE HANDLE	1
9	22610	PIN, CLEVIS, 5/16 X 7/8	1
10	56539	GUIDE BLOCK	1
11	56515	SLIDE FRAME ASS'Y	1
12	21010	NUT, HEX, 1/4 - 20 UNC	1
13	20002	BOLT, SOCKET, SHOULDER, 1/4 - 20 UNC X 3/4	2
14	56512	LINKAGE ARM ASSEMBLY	2
15	22660	ROLL PIN, 1/8 X 5/8	2
16	52190	EXTENSION ROD	1
17	24415	PLASTIC CAP	1
18	22615	PIN, CLEVIS, 5/16 X 2	2
19	22110	SET SCREW, 1/4 - 20 UNC X 1/4	3
20	697550	STRAP, ANKLE (PAIR)	1
21	21710	WASHER, FLAT, 5/16 ID	1
22	21760	WASHER, FLAT, PLASTIC, 0.315 ID X 1/2 OD	1
23	22640	COTTER PIN	1

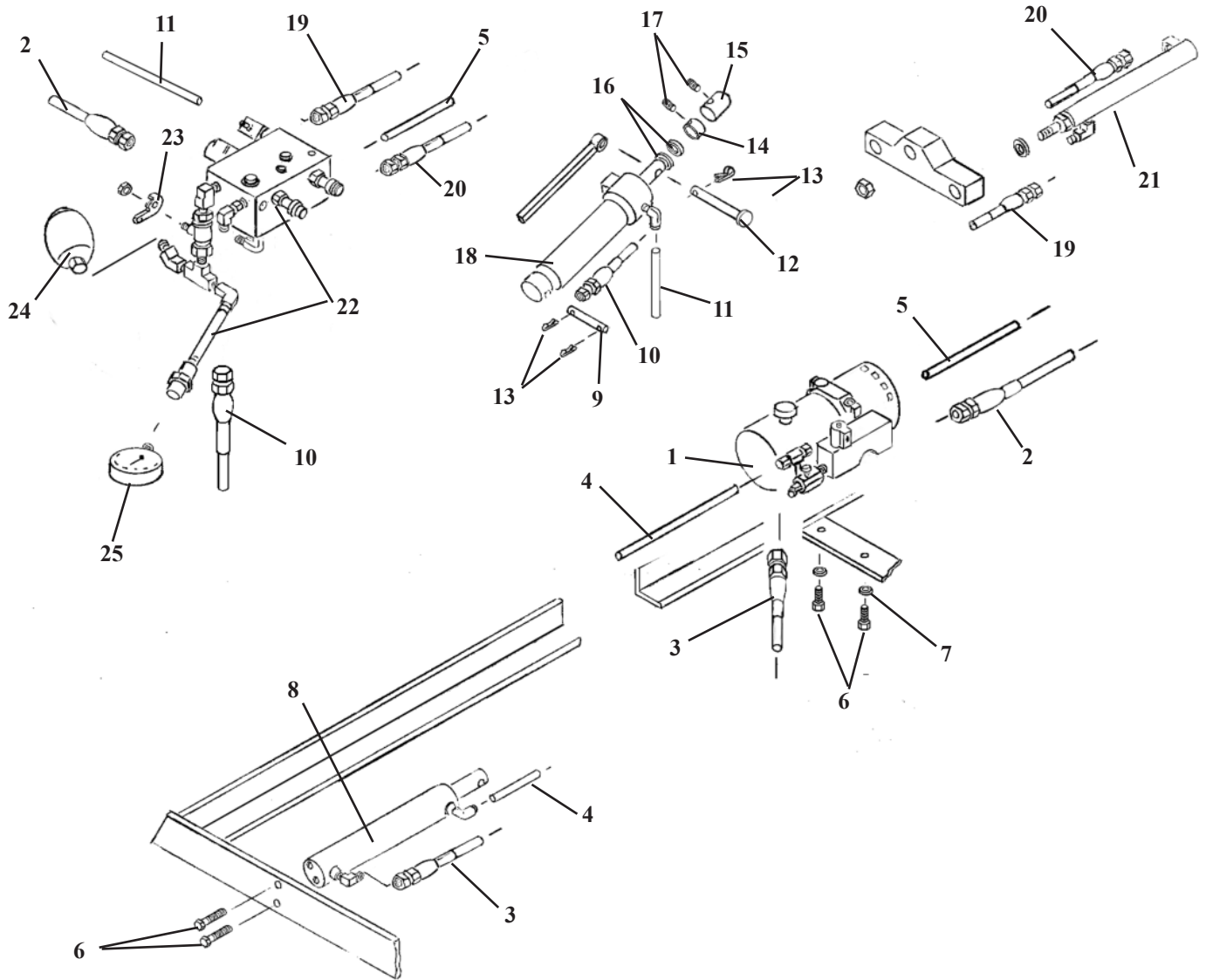
# COVERS

## McMANIS ELEVATION



ITEM	PART NO.	DESCRIPTION	QTY.
1	699020	FRONT COVER	1
2A	699100	MOTOR COVER	1
2B	699120	MOTOR COVER (Auto Flexion)	1
3	699080	COVER, CIRCUIT BOARD	1
4	36970	VENT CAP	1
5	24470	FOAM TAPE	2
6	20320	BOLT, HEX HD, 3/8-16 UNC X 3/4	1
7	31154	STICKER, CAUTION, (RISK OF SHOCK)	2
8	21850	WASHER, FLAT, PLASTIC 3/8 ID X 1.00 OD	1
9	31175	STICKER, (ON-OFF)	1
10	21980	SCREW, MACHINE, FLAT HD, #6-32 UNC X 1/2	2
11	699060	ACCUMULATOR COVER	1
12	24234	FAN GUARD (Auto Flexion)	1
13	21975	SCREW, MACHINE, PAN HD, #6-32 UNC X 1/2 (Auto Flexion)	3
14	21416	HEX NUT, #6-32 (Auto Flexion)	3

# HYDRAULIC ASSEMBLY



ITEM	PART NO.	DESCRIPTION	QTY.
1	623520	PUMP & MOTOR	1
2	45366	HOSE, HYDRAULIC, 3/16 X 57 1/2 (Mtr - Flx. Block)	1
3	45300	HOSE, HYDRAULIC, 3/16 X 30 3/4 (Mtr - Elev. Cyl.)	1
4	23617	HOSE, LEGRIS, 1/4 X 18 (Mtr - Elev. Cyl.)	1
5	23643	HOSE, LEGRIS, 1/4 X 64 (Mtr. - Flx. Block)	1
6	20320	BOLT, HEX HD, 3/8-16UNC X 3/4	4
7	21810	WASHER, FLAT, 3/8ID X 13/16OD	2
8	624940	CYLINDER ASSEMBLY, ELEVATION	1
9	58085	PIN, CYLINDER, 3/8 RD. X 2 7/16 (Front)	1
10	45500	HOSE, HYDRAULIC, 1/4 X 27 1/2 (Flx. Block - Flx. Cyl.)	1
11	23610	HOSE, LEGRIS, 1/4 X 13 (Flx. Blk. - Flx. Cyl.)	1
12	22620	PIN, CYLINDER, 5/16 RD. X 2 3/4 (Back)	1
13	22640	COTTER PIN, 3/32 X 1	4
14	22913	COLLAR, 1/2 (22" Table)	1
15	58202	COLLAR, 1/2 ID X 1 OD X 1.343	1
16	21910	WASHER, FLAT, 1/2" (24" Table)	1
17	21910	SET SCREW, 1/4-20 UNC X 1/4	2
18	624920	CYLINDER, ASSEMBLY, FLEXION	1
19	45298	HOSE, HYDRAULIC, 3/16 X 27 3/4 (Flx. Blk. - Pelvic Ext.)	1
20	45304	HOSE, HYDRAULIC, 3/16 X 33 1/2 (Flx. Blk - Pelvic Ret)	1
21	624980	CYLINDER ASSEMBLY, EXTENSION - RETRACTION	1
22	630120	BLOCK ASSEMBLY, FLEXION	1
23	58090	CONTROL HANDLE	1
24	23459	ACCUMULATOR	1
25	24480	PRESSURE GAUGE	1

# McMANIS ELEVATION HYDRAULIC ASSEMBLIES

## # 623520 - McMANIS ELEVATION NON-AUTO, NEW-BLOCK PUMP, MOTOR & BLOCK ASSEMBLY

# 30495 - PUMP & MOTOR, 115 VOLT, 2002	# 23564 - BLOCK, MNIFOLD
# 23568 - VALVE, POPPET, NC (RELEASE)	# 36012 - COIL, 24V, SINGLE STUD (2 EACH)
# 23571 - VALVE, DOUBLE POPPET (SHORT FIX-ALL)	# 23403 - PLUG, # 4
# 23130 - FITTING, 90 DEG, 1/8" MALE - FEMALE	# 23132 - FITTING, 90 DEG, 1/8" FEMALE - FEMALE
# 23322 - NIPPLE, PIPE, 1/8" X 2" (2 EACH)	# 23020 - COUPLER, FEMALE, 1/8"
# 23219 - FITTING, TEE, 1/8" X 1/4" COMPRESSION	# 23310 - NIPPLE, PIPE, 1/4" CLOSE
# 23085 - FITTING, STRAIGHT, SAE 1/8" PIPE	# 23577 - VALVE, FLOW, DIRECTIONAL
# 23090 - FITTING, 45 DEG, 1/8" To JIC	# 23044 - COUPLER, MALE, MORB # 4 To JIC
# 23407 - PLUG, # 8 CAVITY	# 23044 - PLUG, # 8 (2 EACH)

## # 624940 - ELEVATION CYLINDER ASSEMBLY

# 30250 - ELEVATION CYLINDER	# 23350 - NIPPLE, PIPE, 1/4" CLOSE
# 23050 - COUPLER, FEMALE, 1/4"	# 23110 - FITTING, 90 DEG, 1/8" MALE To JIC
# 23129 - FITTING, COMPRESSION, 90 DEG, 1/8" NPT To 1/4" COMP	

## # 624980 - PELVIC EXTENSION / RETRACTION CYLINDER

# 30286 - CYLINDER, TRACTION	# 23110 - FITTING, 90 DEG, 1/8 MALE TO JIC (2 EACH)
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## # 624920 - FLEXION CYLINDER ASSEMBLY

# 56957 - CYLINDER, FLEXION	# 231150 - FITTING, 90 DEG, 1/4 MALE TO JIC
# 23129 - FITTING, 90 DEG, 1/8 PIPE TO 1/4 COMP	

## # 623540 - McMANIS ELEVATION AUTO, NEW-BLOCK PUMP, MOTOR & BLOCK ASSEMBLY

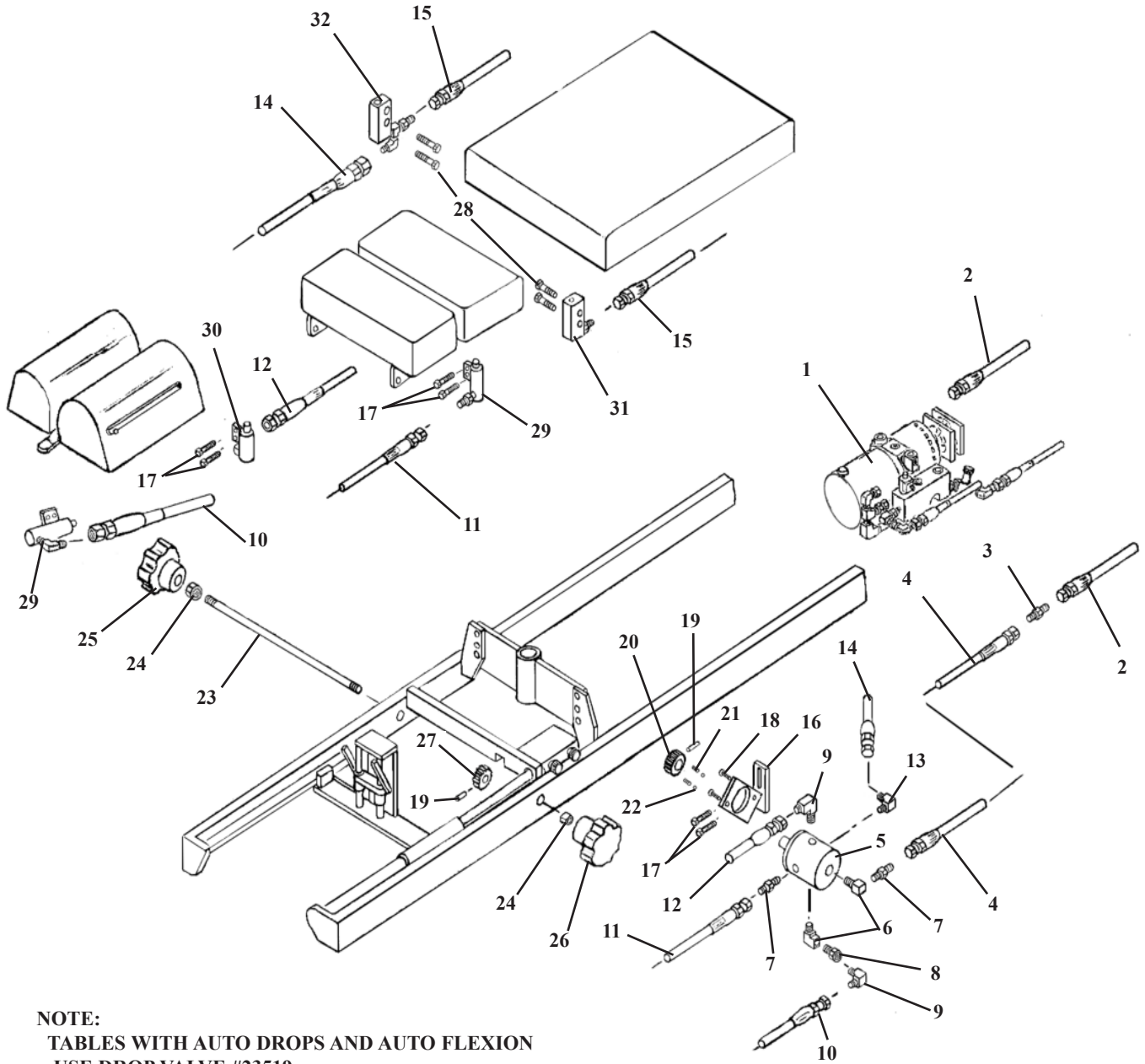
FROM ASSEMBLY #623520, REMOVE # 23407 - PLUG, # 8 CAVITY FROM MOTOR BLOCK & ADD THE FOLLOWING:

# 23044 - COUPLER, MALE CONNECTOR, MORB # 4 TO JIC # 36012 - COIL, SOLENOID  
# 23518 - VALVE, 4-WAY, 2-POS w/CROSS OVER CENTER (AUTO DROP ONLY)  
# 23519 - VALVE, 4-WAY, 2-POS MOTOR CENTER (AUTO DROP & AUTO FLEXION)

## # 630120- McMANIS ELEVATION FLEXION BLOCK ASSEMBLY

# 23040 - COUPLER, MALE, 1/8 - JIC	# 23050 - COUPLER, FEMALE, 1/4"
# 23105 - FITTING, 45 DEG, 1/4" (2 EACH)	# 23127 - FITTING, 90 DEG, 1/8 PIPE
# 23130 - FITTING, 90 DEG, 1/8 MALE - FEMALE	# 23155 - FITTING, 90 DEG, MORB #4 TO 1/4 JIC (3 EACH)
# 23160 - FITTING, 90 DEG, 1/4 MALE - FEMALE	# 23209 - FITTING, TEE, 1/8 PIPE TO 1/4 MALE RUN COMP
# 23250 - FITTING, TEE, 1/4 FEMALE	# 23350 - NIPPLE, PIPE, 1/4 CLOSE (STEEL) (3 EACH)
# 23372 - NIPPLE, PIPE, 1/4 X 4 (BRASS)	# 23403 - PLUG, #4 (8 EACH)
# 23404 - PLUG, #2 (11 EACH)	# 23409 - PLUG, CAVITY
# 23410 - PLUG, 1/8	# 23461 - ADAPTER, ACCUMULATOR
# 23524 - VALVE, 4 WAY	# 23532 - VALVE, HYDRAULIC CHECK
# 23533 - VALVE, FLOW (2 EACH)	# 23535 - VALVE, CHECK
# 23560 - VALVE, BALL	# 23561 - BLOCK, CONTROL
# 23568 - VALVE, POPPET (2 EACH)	# 23570 - VALVE, FLOW, ADJUSTABLE
# 36012 - COIL, 24 V SINGLE STUD (4 EACH)	

# HYDRAULIC ASSEMBLY AUTO DROPS



**NOTE:**  
TABLES WITH AUTO DROPS AND AUTO FLEXION  
USE DROP VALVE #23519.

TABLES WITH AUTO DROPS ONLY USE DROP  
VALVE #23518.

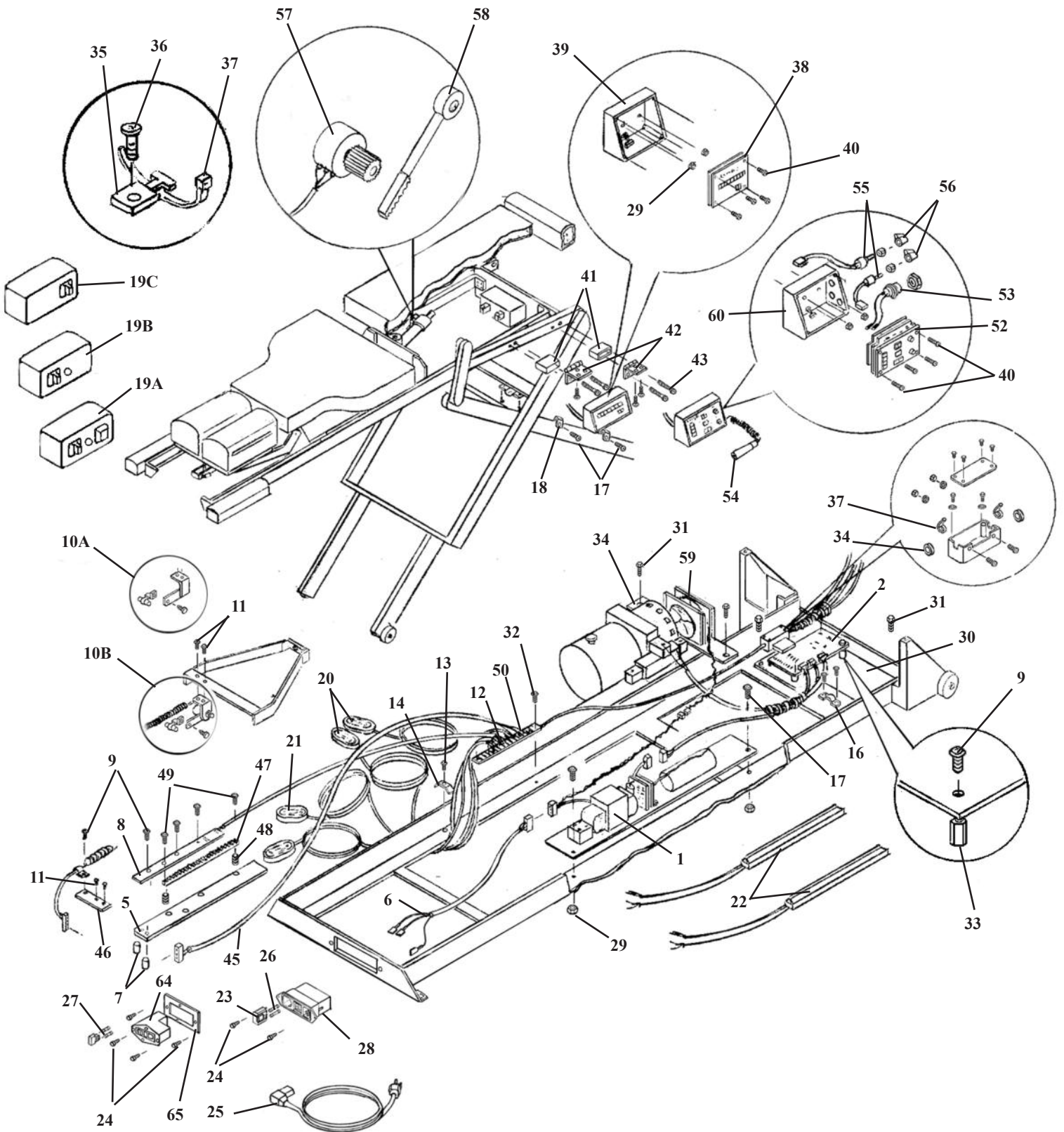
THE DROP VALVE IS LOCATED IN THE PORT  
OPPOSITE THE MONO BLOCK.



# HYDRAULIC ASSEMBLY AUTO DROPS

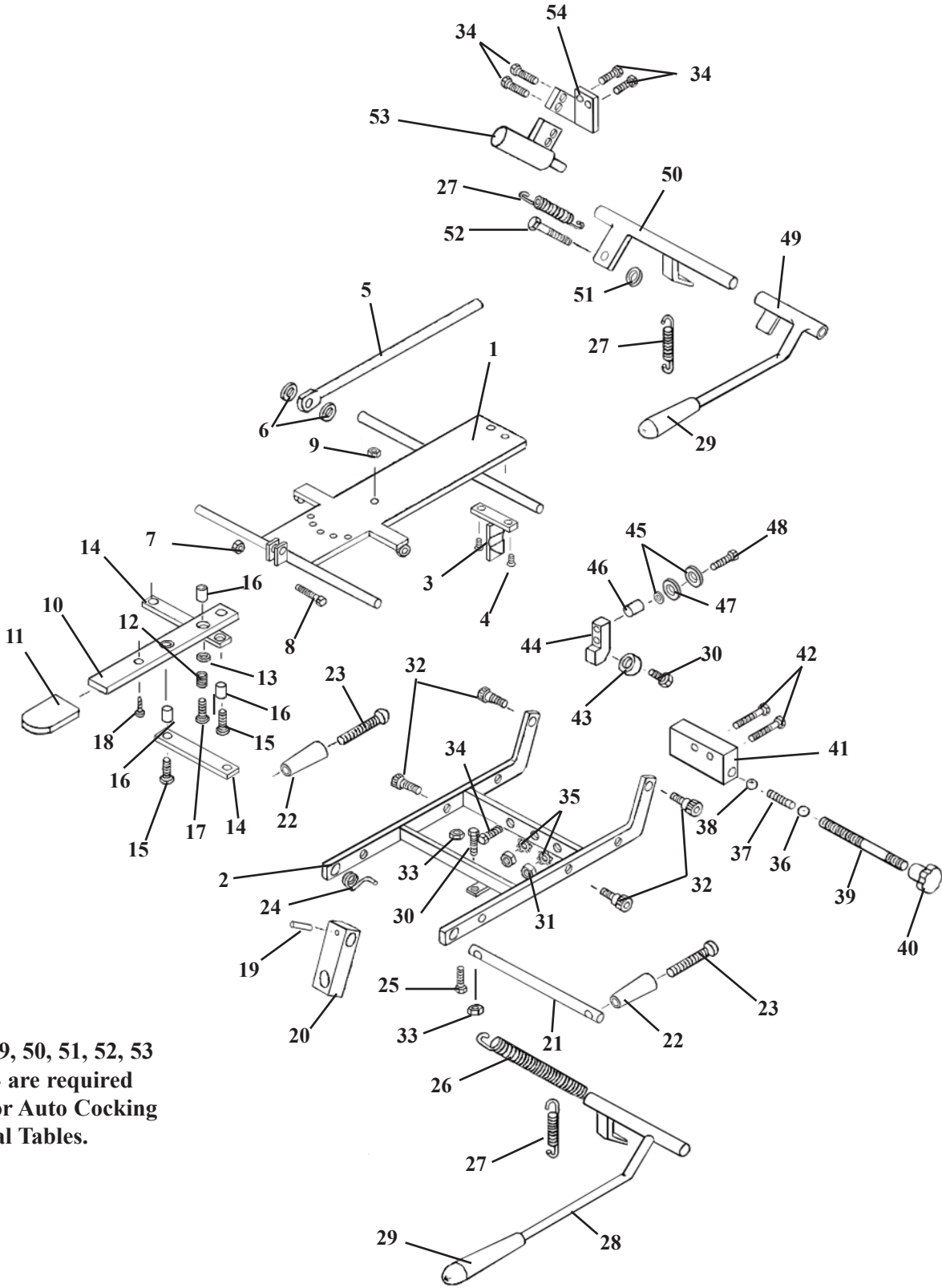
ITEM	PART NO.	DESCRIPTION	QTY.
1	623540	PUMP & MOTOR ASS'Y, AUTO	1
2	45270	HOSE, HYDRAULIC, 3/16 X 16 3/4 (MOTOR TO JOINT)	1
3	23047	COUPLER, MALE, 1/4" JIC	1
4	45370	HOSE, HYDRAULIC, 3/16 X 47 1/2 (JOINT TO SELECTOR VALVE)	1
5	31010	SELECTOR VALVE	1
6	23130	FITTING, 90 DEG. 1/8 MALE – FEMALE	2
7	23040	COUPLER, MALE, 1/8"-JIC	2
8	23030	COUPLER, MALE, 1/8"	1
9	23110	FITTING, 90 DEG. 1/8" MALE-JIC	2
10	45306	HOSE, HYDRAULIC, 3/16 X 35 1/2 (HEAD)	1
11A	45291	HOSE, HYDRAULIC, 3/16 X 23 1/2 (LUMBAR)	1
11B	45298	HOSE, HYDRAULIC, 3/16 X 28 (LUMBAR- ROTATION CHEST)	1
12A	45288	HOSE, HYDRAULIC, 3/16 X 20 1/2 (DORSAL)	1
12B	45294	HOSE, HYDRAULIC, 3/16 X 24 (DORSAL- ROTATION CHEST)	1
13	23090	FITTING, 45 DEG. 1/8-JIC	1
14	45320	HOSE, HYDRAULIC, 3/16 X 37 1/2 (RIGHT HAND PELVIC)	1
15	45291	HOSE, HYDRAULIC, 3/16 X 23 1/2 (RH TO LEFT HAND PELVIC)	1
16	58455	SELECTOR VALVE BRACKET ASS'Y	1
17	20112	BOLT, HEX, HEAD, 1/4-28UNF X 5/8	6
18	20000	BOLT, HEX, HEAD, #10-32 UNF X 1/2	4
19	22670	ROLL PIN, 1/8 X 3/4	1
20	30309	GEAR, PLASTIC, 3/8 ID X 1 1/2 OD – 48 TH	1
21	30721	SPRING, COMPRESSION, .175 ID X .359 OD X 1 1/8	2
22	22701	BALL, STEEL, 1/4"	2
23	55134	SELECTOR ROD, 3/8RD X 12 7/8	1
24	21210	NUT, HEX, 3/8-16 UNC	2
25A	30002	SELECTOR KNOB (SMALL) (RH) (22" TABLE)	1
25B	30000	SELECTOR KNOB (RH) (24" TABLE)	1
26A	30003	SELECTOR KNOB (SMALL) (LH) (22" TABLE)	1
26B	30001	SELECTOR KNOB, (LH) (24" TABLE)	1
27	30310	GEAR, PLASTIC, 3/8 ID X 1 1/2 OD X 5/8	1
28	20120	BOLT, HEX HEAD, 1/4 - 28 NF X 1	4
29	625020	COCKING CYLINDER ASS'Y, 3/4RD (FRONT PORT)	2
30	625010	COCKING CYLINDER ASS'Y, 3.4 RD (SIDE PORT)	1
31	625000	COCKING CYLINDER ASS'Y, 9/16 SQ. (LH)	1
32	625001	COCKING CYLINDER ASS'Y, 9/16 SQ. (RH)	1

# ELECTRICAL ASSEMBLY



ITEM	PART NO.	DESCRIPTION	QTY.
1A	45017	POWER CHASSIS ASSEMBLY	1
1B	45018	POWER CHASSIS ASSEMBLY (W / AUTO FLEXION	1
2	45030	CIRCUIT BOARD, CONTROL LOGIC - VALVE DRIVER	1
3	45138	WIRE HARNESS ASSEMBLY, AUTO FLEXION - HEIGHT SELECT	1
4	45145	CABLE ASSEMBLY, VALVE - POWER SUPPLY	1
5	52082	SUPPORT PLATE, HEIGHT SELECT	1
6A	44238	CABLE ASS'Y, POWER ENTERY 110 V / 220 V	1
6B	44239	CABLE ASS'Y, POWER ENTERY, 100 V	1
7	37930	SPACER, ROD, ALUM, #8 X 3/8	4
8	44051	CIRCUIT BOARD ASS'Y, HEIGHT LIMIT - LOWER LIMIT	1
9	21972	SCREW, MACHINE, PAN HD, # 6 - 32 X 1/4	8
10A	44061	MAGNET ASSEMBLY	1
10B	44060	POTENTIOMETER ASS'Y, HEIGHT SENSING (HS ONLY)	1
11	21980	SCREW, MACHINE, FLAT HD, # 6 - 32 X 1/2	8
12	38370	14-POSITION TERMINAL	1
13	20120	BOLT, HEX HEAD, 1/4 - 28 NF X 1	1
14	52073	CLAMP, WIRE HARNESS, 3/16 X 3/4 X 2 1/2	1
15	52046	BOX, HARNESS JUNCTION	1
16	52074	CLAMP, U, WIRE	1
17	21995	SCREW, MACHINE, PAN HD, # 10 - 24 NC X 1/2	9
18	52072	CLAMP, J, WIRE	2
19A	44076	SWITCH ASS'Y (MAN / AUTO - EXT / RET) (NO HS OR AF)	1
19B	44078	SWITCH ASS'Y, W / AF (MAN / AUTO) (NO HS)	1
19C	44077	SWITCH ASS'Y, W / HS (EXT / RET) (NO AF)	1
20	44091	PEDAL ASSEMBLY, DIRECTION CONTROL (PAIR)	1
21	44092	PEDAL ASSEMBLY, FLEXION CONTROL (PAIR)	1
22A	44093	SWITCH ASSEMBLY, TAPE, ALL AUTO DROP, 36" LONG PAIR	1
22B	44094	SWITCH ASSEMBLY, TAPE, PELVIC AUTO DROP, 12" LONG PAIR	1
23A	36377	FUSE HOLDER 110 V	1
23B	36378	FUSE HOLDER 110 V	1
24	21975	SCREW, MACHINE, PAN HD, # 6 - 32 X 1/2	6
25A	36172	POWER CORD, 110 V & 100 V	1
25B	36173	POWER CORD, 220 V	1
26A	36352	FUSE, 4 AMP, 220-250 V	2
26B	36360	FUSE, 6 AMP, 120 V	2
27	36370	FUSE, 8 AMP, 100 V	2
28	44217	POWER ENTERY MODULE, 110 V / 220 V	1
29	21450	NUT, HEX, # 10 -24 NC	6
30	30083	PLATE, MOUNTING, CIRCUIT BOARD, 1/8 X 10 X 11 1/4	1
31	20007	BOLT, HEX, 1/4 - 20 NC X 5/8	6
32	21982	SCREW, MACHINE, PAN HEAD, #8 - 32 X 1/2	2
33	37900	SPACER, HEX, MALE - FEMALE, #6 - 32 X 1/2	4
34	24242	GROMMET, 3/8"	1
35	35900	CLAMP, CABLE TIE	4
36	21981	SCREW, MACHINE, FLAT HEAD, #8 - 32 X 1/2 (PLASTIC)	4
37	38400	CABLE TIE, 6"	4
38	45036	CIRCUIT BOARD ASS'Y, HEIGHT SELECT (HS)	1
39	52038	BOX, HEIGHT SELECT (HS)	1
40	21984	SCREW, MACHINE, PAN HEAD, M3 X 8MM	8
41	55386	SPACER, CONSOLE	2
42	55387	HINGE ASSEMBLY (HS or AF)	2
43	20052	BOLT, HEX HEAD, 1/4 - 20 NC X 1 3/4 (HS or AF)	4
44	21992	SCREW, MACHINE, FLAT HD, #10 - 24 NC X 1/2 (HS or AF)	4
45	45173	CABLE ASS'Y, HEIGHT SENSING POTENTIOMETER (HS)	1
46	55383	SUPPORT PLATE, RETRACTABLE CORD (HS)	1
47	52760	GEAR RACK, HEIGHT SELECT (HS)	1
48	51956	SPRING (HS)	1
49	21977	SCREW, MACHINE, ROUND HD, #6 - 32 X 1 (HS)	2
50	44019	CAPACITOR ASSEMBLY, FILTER (HS)	1
51	52037	BOX, AUTO FLEXION W / DELAY MOUNTING (AF)	1
52	45026	CIRCUIT BOARD ASSEMBLY, AUTO FLEXION (AF)	1
53	44075	RECEPTACLE ASS'Y, FLEXION STOP SWITCH (AF)	1
54	44080	SWITCH ASS'Y, FLEXION STOP (AF)	1
55	44063	POTENTIOMETER, AUTO FLEXION DELAY (AF)	2
56	24183	KNOB, AUTO FLEXION DELAY (AF)	2
57	44062	POTENTIOMETER ASS'Y, FLEXION SENSING (AF)	1
58	58179	GEAR RACK ASS'Y, FLEXION (AF)	1
59	44020	BOX FAN ASSEMBLY (AF)	1
60	28560	VELCRO, STRIP, 1" X 8" (AF)	1
61	21964	SCREW, MACH, PAN HD, #4 - 40 X 3/8	2
62	52047	LID, JUNCTION BOX ASS'Y	1
63	21500	WASHER, LOCK, #4	2
64	21405	NUT, HEX, #4 - 40	2
65	37168	POWER ENTERY MODULE & FUSE HOLDER 100 V	1
66	58618	ADAPTER PLATE	1

# STRAIGHT DROP HEAD ASS'Y

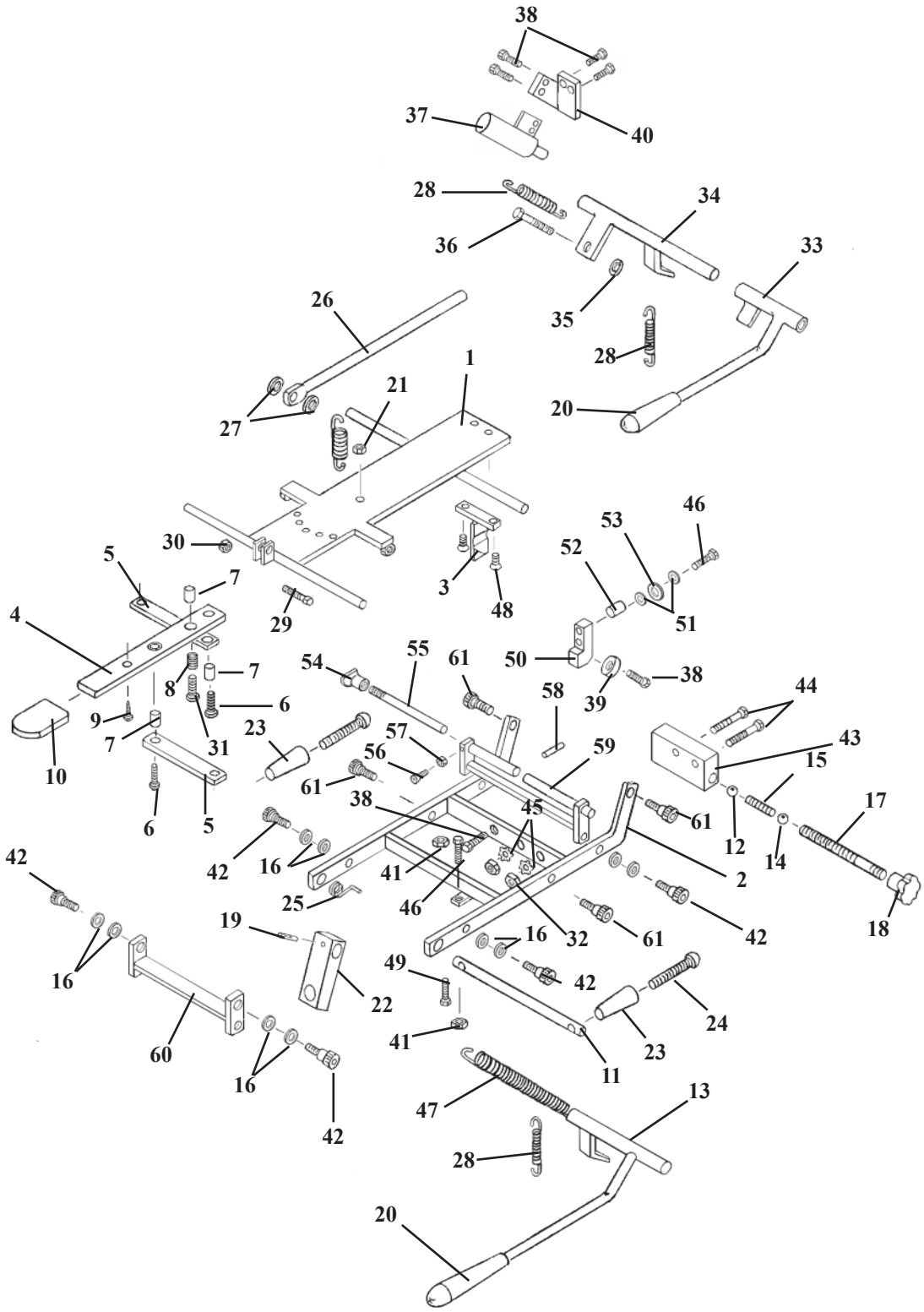


Items 49, 50, 51, 52, 53  
and 54 are required  
only for Auto Cocking  
Cervical Tables.

# STRAIGHT DROP HEAD ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.
1	56011	FASTENER PLATE ASS'Y, '89 STRAIGHT DROP HD	1
2	57201	OUTSIDE DROP FRAME ASS'Y, '89 FM HEAD	1
3	55850	TEE WEDGE ASSEMBLY	1
4	22017	SCREW, MACHINE, FLAT HEAD, ¼ - 20 UNC X ½	2
5	55929	CENTER ROD ASSEMBLY	1
6	21616	WASHER, PLASTIC, ¼ ID X ¾ OD	2
7	21020	NUT, HEX, ¼ - 28 UNF	1
8	20115	BOLT, HEX HEAD, ¼ - 28 UNF X ¾	1
9	21450	NUT, HEX, # 10 - 24 UNC	1
10	57221	ADJUSTMENT ARM, 1/8 X 7/8 X 8	1
11	24236	GUARD, TEE HANDLE	1
12	30722	SPRING, COMPRESSION, 0.235 ID X 5/16 OD X ½	1
13	21610	WASHER, PLASTIC, 0.26 ID X ½ OD	2
14	57175	LINKAGE BAR, 1/8 X ½ X 3 13/16	2
15	21995	SCREW, MACHINE, PAN HEAD, # 10 - 24 UNC X ½	2
16	22860	BUSHING, 0.465 ID X 9/16 OD X 19/32	3
17	22003	SCREW, MACHINE, PAN HEAD, # 10 - 24 UNC X ¾	1
18	22300	SCREW, MACHINE, # 8 - 32 UNC X ¼	1
19	22660	ROLL PIN, 1/8 X 5/8	1
20	54107	BLOCK, ADJUSTING, '89 HEAD, 5/8 X 1 X 2 15/16	1
21	57205	ROD, TILT HANDLE, 3/8 RD X 5 ½	1
22	24020	HANDLE	2
23	22050	SCREW, MACHINE, RD HEAD, ¼ - 20 - UNC X 2 ½	2
24	30871	SPRING, TORSION	1
25	20024	BOLT, SOCKET HEAD, ¼ - 20 UNC X 1 ¼	1
26	30785	SPRING, TENSION (HYLO TABLES)	1
27	30725	SPRING, EXTENSION, ¼ ID X 5/16 X 1	1
28	56067	COCKING HANDLE ASS'Y, F/M '89 HEAD	1
29	24010	HANDLE GRIP	1
30	20020	BOLT, HEX HEAD, ¼ - 20 UNC X 1 ¼	2
31	21112	NUT, HEX, 5/16 X 18 UNC	2
32	20197	BOLT, SOCKET HEAD, 5/16 - 18 UNC, SHOULDER, 3/8 X 3/8	4
33	21012	NUT, JAM, ¼ - 20 UNC2	2
34	20007	BOLT, HEX HEAD, ¼ - 20 UNC X 5/8	6
35	21755	WASHER, STAR, 5/16 ID	2
36	22701	BALL, STEEL, ¼ RD	1
37	30721	SPRING, COMPRESSION, 0.175 ID X 23/64 OD X 1 1/8	1
38	22700	BALL, BEARING, 3/8 RD	1
39	57184	STUD, TENSION ADJUSTMENT, 5/16 RD X 2 ¼	1
40	24150	KNOB, TENSION ADJUSTMENT	1
41	55849	BLOCK, DROP, 1 X 1 7/16 X 2 3/32	1
42	20235	BOLT, HEX HEAD, 5/16 - 18 UNC X 1 ¾	2
43	22805	BALL, BEARING, ¼ ID	1
44	57102	BLOCK, BACKER BEARING, STRAIGHT DROP, ¾ X 9/16 X 1 ¼	1
45	21620	WASHER, FLAT, ¼ ID X 9/16 OD X 3/16	2
46	50720	SPACER, 3/8 ID X ½ OD X ½	1
47	21710	WASHER, FLAT, 5/16 ID X 0.688 OD	1
48	20022	BOLT, HEX HEAD, ¼ - 20 UNC X 1	1
49	56069	COCKING HANDLE ASS'Y, F/M '89 HEAD (AUTO DROP)	1
50	57140	COCKING LEVER ASS'Y, F/M '89 HEAD (AUTO DROP)	1
51	21210	NUT, HEX, 3/8 - 16 UNC (AUTO DROP)	1
52	20320	BOLT, HEX HEAD, 3/8 - 16 UNC X ¾ (AUTO DROP)	1
53	625020	COCKING CYLINDER, ¾ RD w/FITTINGS (AUTO DROP)	1
54	57194	BRACKET, CYLINDER ADAPTER (AUTO DROP)	1

# FORWARD MOTION HEAD FRAME ASS'Y

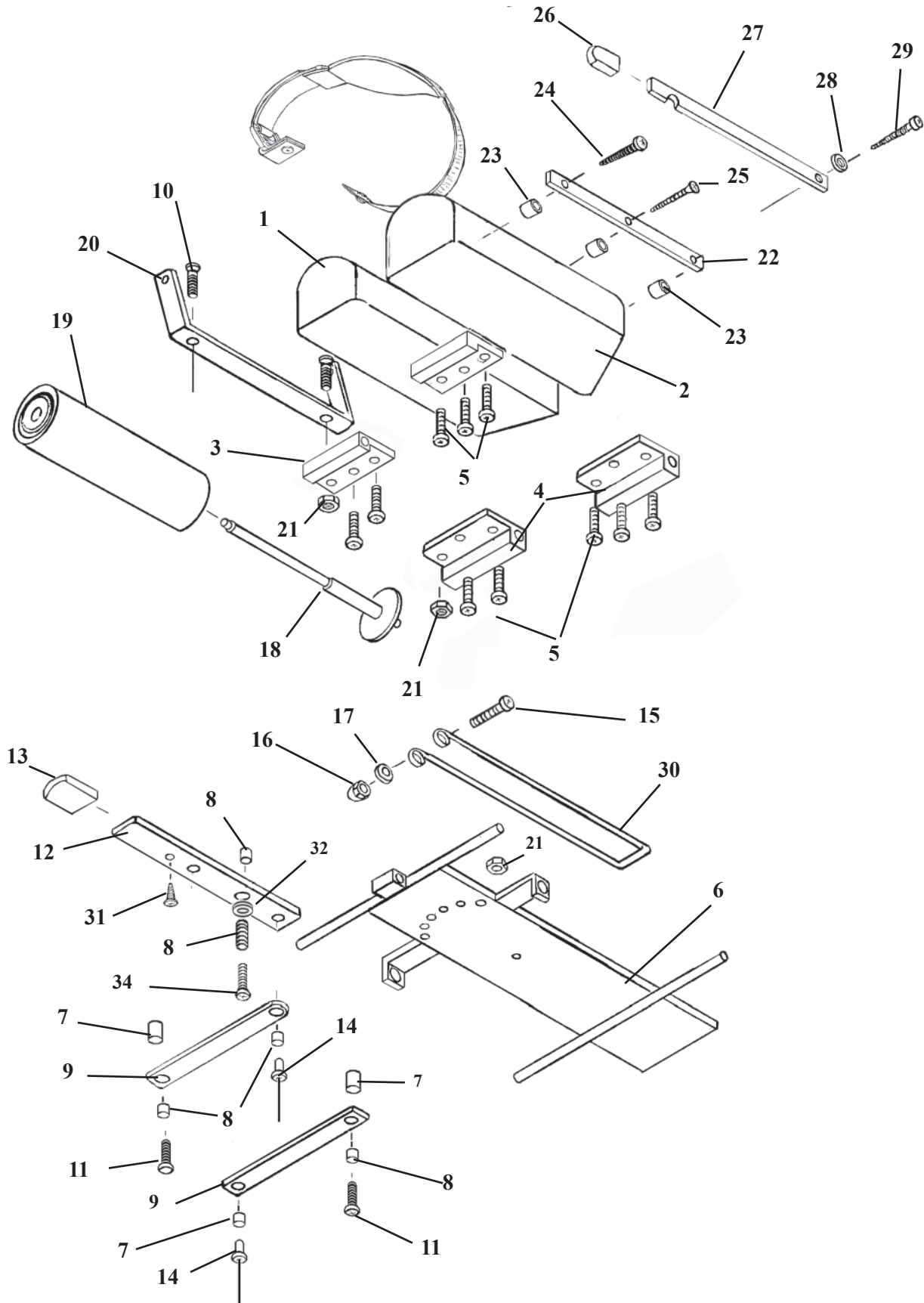


**NOTE:**  
ITEMS 28, 33, 34, 35, 36, 37, 38 & 40  
ARE USED ONLY FOR TABLES WITH  
AUTO COCKING CERVICAL.

# FORWARD MOTION HEAD FRAME

ITEM	PART NO.	DESCRIPTION	QTY
1	56059	OUTSIDE DROP FRAME ASS'Y	1
2	57201	OUTSIDE HEAD FRAME ASS'Y	1
3	55850	TEE WEDGE	1
4	57221	ADJUSTMENT ARM, HEAD CUSHION	1
5	57175	LINKAGE BAR, 1/8 X 1/2 X 3 9/16	2
6	21995	PAN HD. MACHINE SCREW, #10-24 NC X 1/2	2
7	22860	BUSHING, 3/16 ID X 1/4 OD	3
8	30722	COMPRESSION SPRING, 1/4 ID X 5/16 OD	1
9	22300	MACHINE SCREW, #8-32 NC X 1/4	1
10	24236	PLASTIC CAP	1
11	57205	SUPPORT ROD, 3/8 RD. X 6 1/16	1
12	22700	BALL, STEEL, 3/8 DIA	1
13	56067	COCKING LEVER ASS'Y	1
14	22701	BALL, BEARING, 1/4 DIA	1
15	30710	COMPRESSION SPRING, 9/64 ID X 1/4 OD	1
16	21760	PLASTIC WASHER, 5/16 ID X 1/2 OD	12
17	57184	TENSION ADJUSTMENT SCREW, 5/16 RD. X 2 3/4	1
18	24150	KNOB, TENSION ADJUSTMENT	1
19	22660	ROLL PIN, 1/8 X 5/8	1
20	24010	COCKING HANDLE	1
21	21450	HEX NUT, #10-24 NC	1
22	54107	ADJUSTING BLOCK, 5/8 X 1.00 X 2 15/16	1
23	24020	ADJUSTMENT HANDLE	2
24	22050	MACHINE SCREW, RD. HD., 1/4-20 NC X 2 1/2	2
25	30871	TORSION SPRING	1
26	55929	CENTER BAR,	1
27	21616	WASHER, FLAT, PLASTIC, 1/4 ID X 3/4 OD	2
28	30725	RETURN SPRING	2
29	20115	HEX.HD BOLT, 1/4-28 NF X 3/4	1
30	21020	NUT, HEX, 1/4-28 NF	1
31	22003	PAN HD. SCREW, #10-24 UNC X 3/4	1
32	21112	HEX.NUT, 5/16-18 UNC	2
33	56069	COCKING HANDLE ASS'Y (AUTO DROPS)	1
34	57140	COCKING LEVER ASS'Y (AUTO DROPS)	1
35	21210	HEX.NUT, 3/8-16 NC (AUTO DROPS)	1
36	20320	HEX.BOLT, 3/8-16 NC X 3/4 (AUTO DROPS)	1
37	625020	COCKING CYLINDER, 3/4 (AUTO DROPS)	1
38	20007	HEX.HD.BOLT, 1/4-20 NC X 5/8 (AUTO DROPS)	6
39	22805	BEARING	1
40	57194	CYL.MT.BRACKET (AUTO DROPS)	1
41	21012	NUT, JAM, 1/4-20 UNC	2
42	20002	SOCKET HD. BOLT, 1/4-20 NC X 1 1/4	6
43	55849	DROP BLOCK	1
44	20235	HEX.HD.BOLT, 5/16-18 NC X 1 3/4	2
45	21755	WASHER, STAR 5/16ID	2
46	20020	HEX.HEAD BOLT, 1/4-20 NC X 1 1/4-GR 5	3
47	30785	TENSION SPRING (HYLO TABLES ONLY)	1
48	22017	FLAT HD. SCREW, 1/4-20UNC X 3/4	2
49	20024	BOLT, SOCKET HEAD, 1/4 - 20 UNC X 1 1/4	1
50	57103	BLOCK	1
51	21620	FLAT WASHER 1/4ID X 9/16OD	2
52	50720	SPACER	1
53	21810	FLAT WASHER 3/8ID X 13/16OD	1
54	24160	LOCK KNOB	1
55	55932	LOCK ROD	1
56	21981	PLASTIC FLAT HD. SCREW, #8-32 NC X 1/2	1
57	21420	HEX.NUT, #8-32NC	1
58	22657	ROLL PIN 1/8 X 3/8	1
59	56060	STABILIZER BRACE ASS'Y	1
60	57144	FRONT ROCKER FRAME ASS'Y	1
61	20197	SOCKET HD. SHOULDER BOLT, 5/16-18 UNC	4

# FLEXION HEAD CUSHION ASSEMBLY

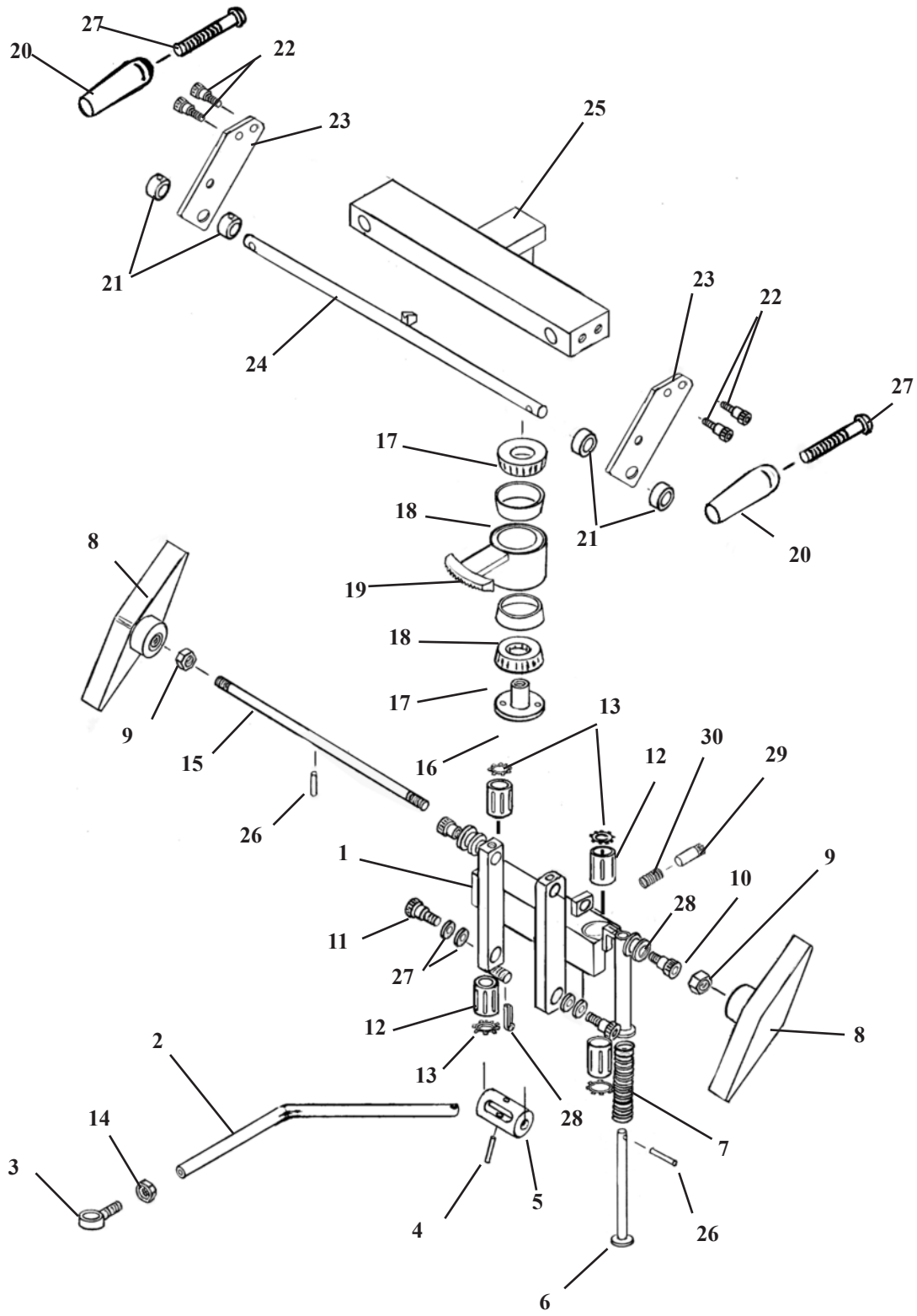




# FLEXION HEAD CUSHION ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.
1	40980	HEAD CUSHION ASSEMBLY (RH)	1
2	40979	HEAD CUSHION ASSEMBLY (LH)	1
3	57155	GUIDE BRACKET	2
4	57156	GUIDE BRACKET	2
5	22003	SCREW, MACHINE, PAN HEAD, #10 – 24 UNC X ¾	12
6	55825	INSIDE HEAD FRAME	1
7	57174	SPACER FORWARD DROP 3/8 X 1/2 X 5/8	4
8	22860	BUSHING, 3/16 ID X ¼ OD	5
9	57175	LINKAGE BAR	2
10	21995	SCREW, MACHINE, PAN HEAD, #10 – 24 NC X ½	2
11	22009	SCREW, MACHINE, #10 – 24 UNC X 11/2	2
12	57188	ADJUSTMENT BAR	1
13	24236	PLASTIC CAP	1
14	22695	RIVET, 3/16 X 3/8	2
15	22009	SCREW, MACHINE, PAN HEAD, #10 – 24 UNC X 1 ½	1
16	21447	NUT, ACORN, #10 – 24 UNC	1
17	21510	WASHER, FLAT, 3/16 ID X ½ OD	2
18A	57956	HANGER ASSEMBLY	1
18B	56430	HANGER ASSEMBLY (TILT TABLES ONLY)	1
19	29999	CREPE HEAD REST PAPER	1
20	55841	BRACKET, PAPER HOLDER, FLEX HEAD	1
21	21450	NUT, HEX, #10 – 24 UNC	3
22	50750	INSIDE CUTTING BAR	1
23	50720	SPACER, PAPER CUTTER, 3/8 ID X ½ OD	3
24	22522	SCREW, WOOD, ROUND HEAD, #9 X 2	1
25	22510	SCREW, WOOD, FLAT HEAD, #9 X 1 ½	1
26	24235	GUARD, CUTTING BAR	1
27	50770	OUTSIDE CUTTING BAR	1
28	21610	WASHER, FLAT, PLASTIC, 0.26 ID X ½ OD	1
29	22550	SCREW, WOOD, ROUND HEAD, #14 X 2	1
30	30700	CENTER PAPER WIRE, FLEXION HEAD, 1/8 X 25	1
31	22300	SCREW, MACHINE, #8 – 32 UNC X ¼	1
32	21510	FLAT WASHER, 3/8 ID X 1/2 OD	1
33	30722	SPRING, COMPRESSION	1
34	22001	SCREW, MACHINE, FLAT HD. #10-24 UNC X 1.00	1

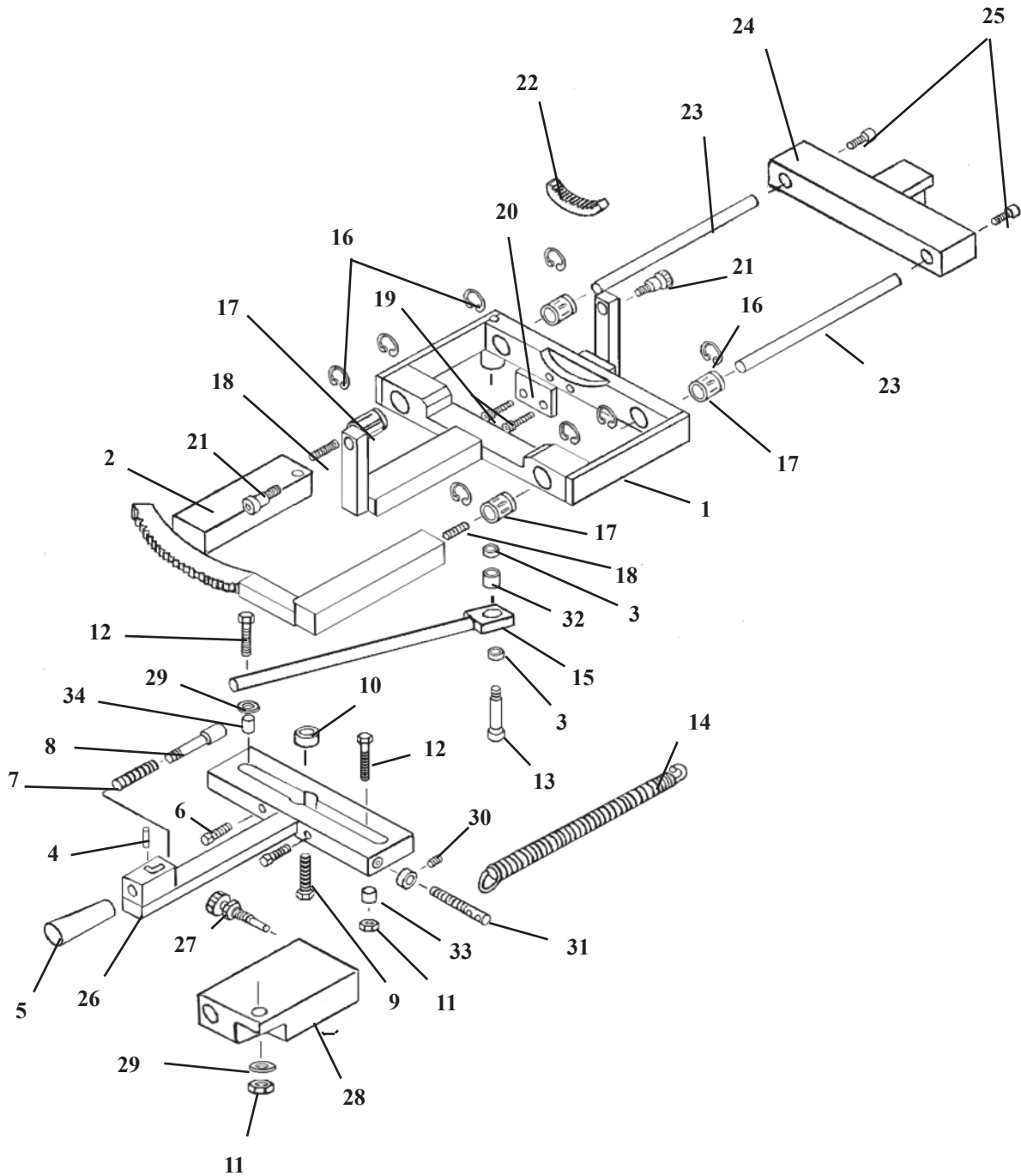
# FLEXION HEAD SHUTTLE ASS'Y



## FLEXION HEAD SHUTTLE ASS'Y

ITEM	PART NO.	DESCRIPTION	QTY.
1	55750	SHUTTLE ASS'Y	1
2	55787	LINKAGE ROD	1
3	22740	SWIVAL JOINT END	1
4	22689	SHEAR PROOF PIN, ¼ 1 1/4	1
5	55757	ROTATION CYLINDER	1
6	55959	PLUNGER	1
7	30740	COMPRESSION SPRING	1
8	24186	ADJUSTMENT HANDLE	2
9	21210	HEX NUT, 3/8-16 UNC	2
10	20199	SHOULDER BOLT, 5/16-18 UNC X ½	2
11	20003	SHOULDER BOLT, ¼-20 UNC X ½	2
12	22891	GLIDE BEARING	4
13	24050	SNAP RING	4
14	21020	HEX NUT, ¼-28UNF	1
15	55949	ADJUSTMENT ROD	1
16	55764	LOCK COLLAR	1
17	22835	ROLLER BEARING	2
18	22800	RACE, BEARING	2
19	55889	BEARING HUB	1
20	24022	LOCK HANDLE	2
21	22910	COLLAR	4
22	21997	SOCKET SCREW, #10-32 UNC X ½	4
23	55879	SUPPORT PLATE	2
24	55872	LOCK ROD Ass'y	1
25	55768	ROTATION LOCK	1
26	22675	ROLL PIN	1
27	22038	SOCKET HD. MACHINE SCREW, 1/4-20UNC X 2	2
28	22640	COTTER PIN 3/32 X 1	1
29	56007	LOCK PIN	1
30	30750	COMPRESSION SPRING	1

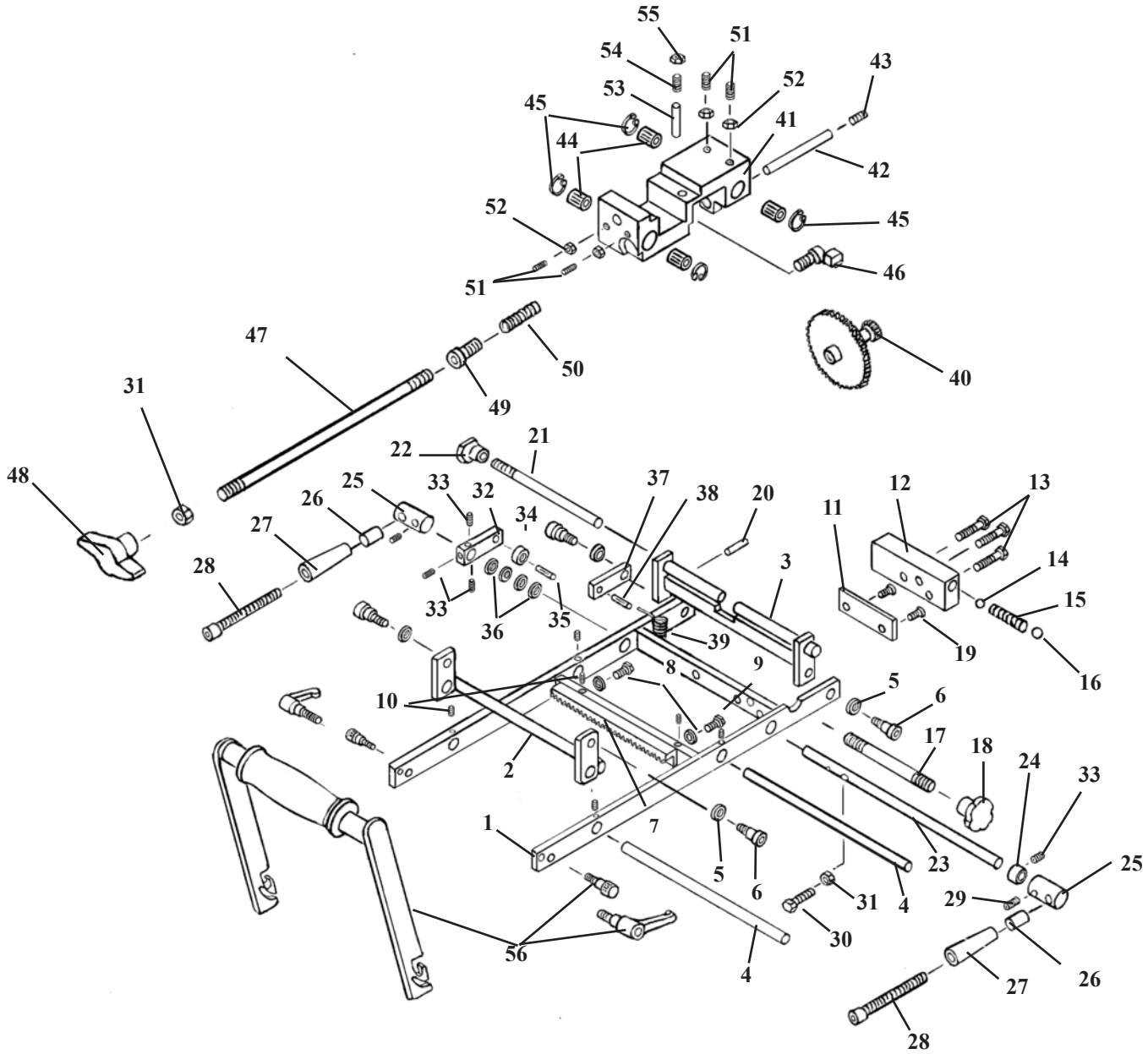
# SLIDE FRAME ASS'Y FLEXION HEAD



# SLIDE FRAME ASSEMBLY FLEXION HEAD

ITEM	PART NO.	DESCRIPTION	QTY.
1	55778	SLIDE BRACKET ASS'Y	1
2	55794	LOCK FRAME ASS'Y	1
3	56006	BUSHING, ¼ ID X 5/16 OD	2
4	22657	ROLL PIN 1/8 X 3/8	1
5	22660	LOCK KNOB	1
6	22031	SOCKET HD SCREW, ¼-20 UNC X 1 ¼	2
7	30750	COMPRESSION SPRING	1
8	55762	LOCK PISTON	1
9	20332	HEX. HD. BOLT 3/8-16 UNC X 1	1
10	22810	ROLL BEARING	1
11	21020	HEX. NUT, ¼-28 UNF	2
12	55813	HEX. HD. BOLT ¼-28 UNF X 1 1/4	2
13	20010	HEX. BOLT, ¼-20 UNC X 3/4	1
14	30777	RETURN SPRING 1/2OD X 3 ½	1
15	55875	LINKAGE BAR	1
16	24287	C-CLIP	8
17	22892	BEARING S6, 3/8ID X 5/8 OD	4
18	55809	STUD, #10-32 UNF X ¾	2
19	22004	SOCKET HD. BOLT, #10-24 UNC X 1	2
20	55957	SUPPORT PLATE	1
21	20199	SOCKET HD. BOLT, 5/16-18 UNC, 3/8 X ½ SHLD.	2
22	56026	RING GEAR	1
23	55763	GUIDE ROD	2
24	55768	SIDE BENDING BLOCK	1
25	21997	SOCKET HD. BOLT, #10-32UNF X ½	2
26	55758	MOTION HANDLE ASS'Y	1
27	20322	LOCK BOLT	1
28	55874	LOCK BLOCK	1
29	21620	FLAT WASHER ¼ ID	2
30	22921	COLLAR	1
31	20258	HEX. HD. BOLT, 5/16-18UNC X 2 ½	1
32	50720	SPACER 3/8 ID X 1/2 OD X 1/2	1
33	22881	OILITE BUSHING 1/4 ID X 3/8 OD X 3/8	1
34	58009	BUSHING 1/4 ID X 7/16 OD X .26	1

# ROTATION BLOCK ASSEMBLY FLEXION HEAD



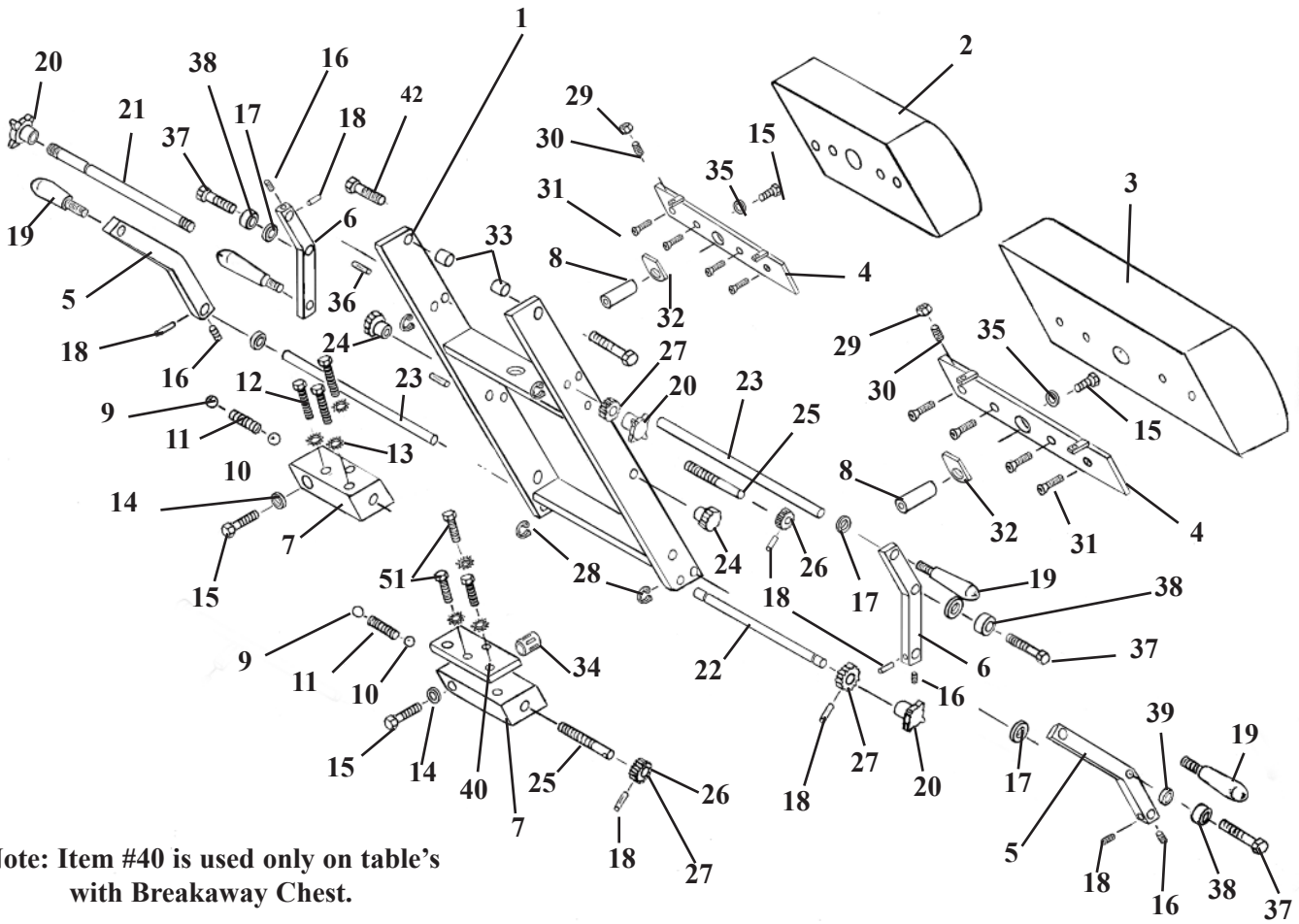
**Item 56 - Flexion Handle Kit #634020**

Part No.	Description	Qty
55838	Handle Tube	1
55836	Side Ass'y (RH)	1
55837	Side Ass'y (LH)	1
24023	Handle Grip	1
24024	Adjustable Thumb Handle	2
20188	Socket Hd. Bolt #10-24	2
22410	Pan Hd. Screw	2

# ROTATION BLOCK ASSEMBLY FLEXION HEAD

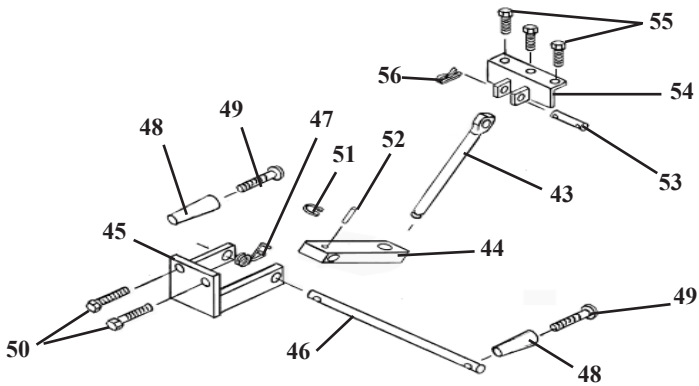
ITEM	PART NO.	DESCRIPTION	QTY.
1	55777	ROTATION FRAME ASSEMBLY, FLEXION HEAD	1
2	55773	PIVOT ARM ASSEMBLY, FLEXION HEAD	1
3	55963	STABILIZER BRACKET ASS'Y, SWIVEL HEAD	1
4	55788	GUIDE ROD, CRADLE ASS'Y, FLEX HD, 3/8 RD X 7 5/8	2
5	21610	WASHER, FLAT PLASTIC, 0.26 ID X 1/2 OD	4
6	20002	BOLT, SOCKET HEAD, 1/4 - 20 UNC SHOULDER 5/6 X 3/8	4
7	55984	GEAR RACK MOUNT ASS'Y, SWIVEL HEAD	1
8	21510	WASHER, FLAT, 3/16 ID X 1/2 OD	2
9	20000	BOLT, HEX HEAD, #10 - 32 UNF X 1/2	2
10	22090	SCREW, SET, #10 - 32 UNF X 3/16	6
11	55815	MOUNTING PLATE, FLEXION HEAD, 1/4 X 1 X 2 3/8	1
12	55789	BLOCK, DROP, FLEXION HEAD, 5/8 X 1 X 2.575	1
13	22001	SCREW, MACHINE, FLAT HEAD, #10 - 24 UNC X 1	3
14	22701	BALL, STEEL, 1/4" DIA	1
15	30721	SPRING, COMPRESSION, 9/64 ID X 1/4 OD X 1 1/4	1
16	22700	BALL, STEEL, 3/8" DIA	1
17	52172	ROD, ADJUSTMENT, 5/16 X 3 1/6	1
18	24150	KNOB, ADJUSTMENT	1
19	22073	SCREW, MACH, FLAT HD, 5/16 - 18 UNC X 7/16-GROUND OFF	2
20	22657	PIN, ROLL, 1/8 X 3/8	1
21	55968	ROD, LOCK	1
22	24160	KNOB, LOCK, STABILIZER, SWIVEL HD, 1/4 RD X 6 1/4	1
23	56032	COCKING ARM ASSEMBLY, SWIVEL HEAD	1
24	22912	COLLAR, 3/8" ID	1
25	56035	COLLAR, COCKING ROD, SWIVEL HD, 3/4 RD X 1 1/4	2
26	52192	HANDLE, EXTENSION, 1/4 ID X 9/16 OD X 1	2
27	24021	HANDLE, YELLOW	2
28	20129	BOLT, SOCKET HD, 1/4 - 20 UNC X 3 1/2	2
29	22250	SCREW, SET, 5/16 - 24 UNF X 1/2	2
30	20022	BOLT, HEX HD, 1/4 - 20 UNC X 1	1
31	21010	NUT, HEX, 1/4 - 20 UNC	2
32	58089	ARM, 3/8 X 5/8 X 2 5/16	1
33	22110	SCREW, SET, 1/4 - 20 UNC X 1/4	4
34	22805	BEARING, BALL, 1/4 ID	1
35	22688	PIN, ROLL, 1/4 X 5/8	1
36	21800	WASHER, FLAT, PLASTIC, 3/8 ID X 5/8 OD X 1/16	4
37	55821	COCKING ARM, FLEXION HEAD ASS'Y, 3/16 X 1/2 X 2	1
38	22660	PIN, ROLL, 1/8 X 5/8	1
39	30725	SPRING, EXTENSION, 1/4 ID X 5/16 OD X 1 1/8 (MODIFIED)	1
40	55814	GEAR TRAIN, ROTATION FRAME ASS'Y, FLEXION HEAD	1
41	30423	CRADLE BLOCK, FLEXION HEAD	1
42	55820	AXLE	1
43	22230	SCREW, SET, 5/16 - 18 UNC X 1/4	1
44	22892	BUSHING, 3/8 ID X 7/8 - SUPER 6	4
45	24048	C - CLIP	4
46	55782	GEAR LOCK	1
47	55824	LOCK ROD	1
48	24163	KNOB, PLASTIC, T - HANDLE	1
49	55823	GUIDE PLUG, FLEXION HEAD ASS'Y	1
50	30732	SPRING, COMPRESSION, 1/4 ID X 1 3/8	1
51	22095	SCREW, SET, #10 - 24 - UNC X 1/2	4
52	21450	NUT, HEX, #10 - 24 UNC	4
53	57178	PIN, ADJUSTMENT, 1/4 RD X 5/8	1
54	22231	SCREW, SET, 5/16 - 18 UNC X 3/4	1
55	21110	NUT, JAM, 5/16 - 18 UNC	1
56	634010	HANDLE ASSEMBLY	1

# DROP CHEST & LUMBAR CUSHION



Note: Item #40 is used only on table's with Breakaway Chest.

Note: For Detail Parts on Breakaway Chest refer to Deluxe Chest Cushion (page 22 - 23).



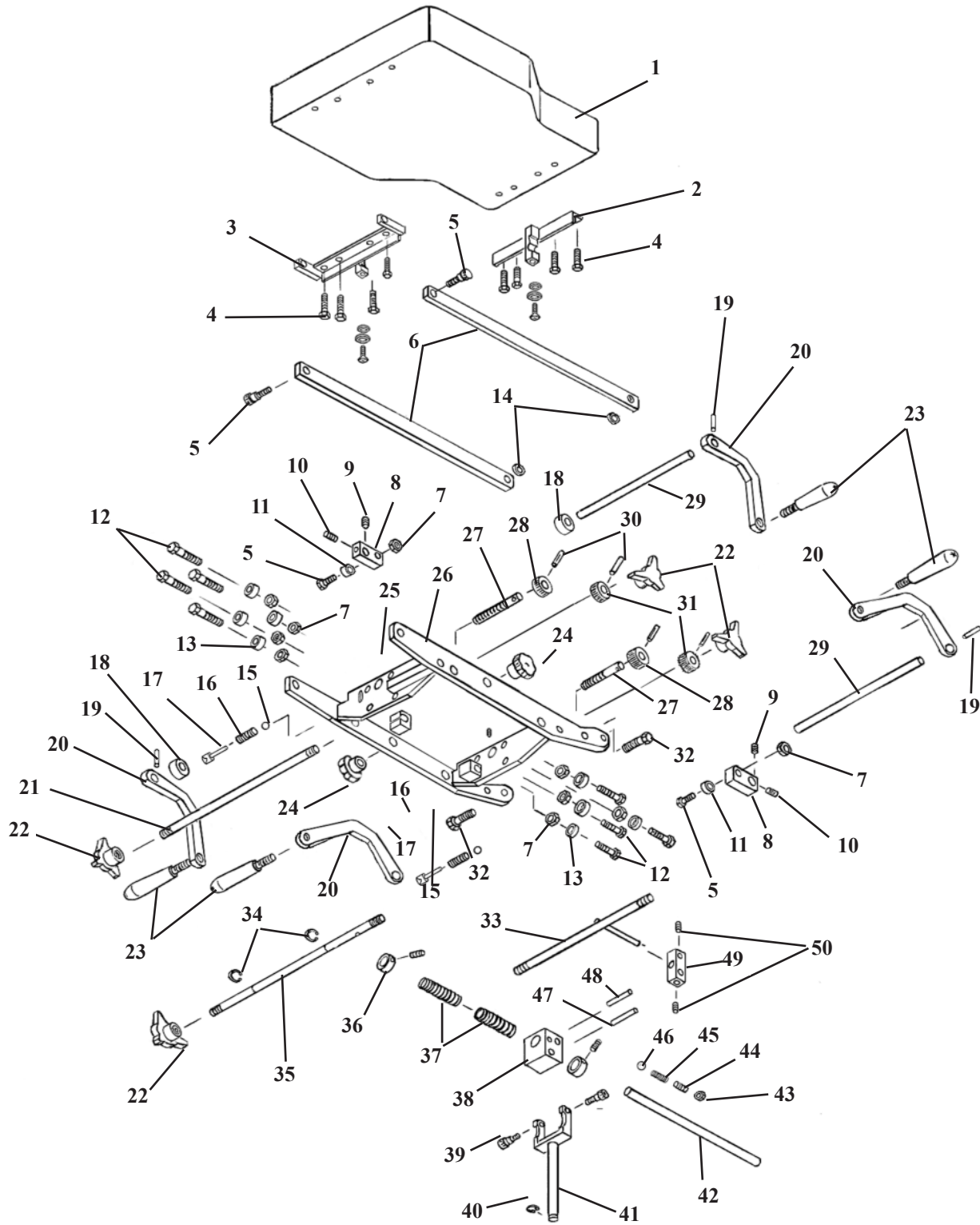


# DROP CHEST and LUMBAR ASSEMBLY

## For use with STANDARD or BREAKAWAY Type Table

ITEM	PART NO.	DESCRIPTION	QTY.
1	57309	CHEST & LUMBAR FRAME ASSEMBLY	1
2	40510	CUSHION, DROP CHEST	1
3	40530	CUSHION, DROP LUMBAR	1
4	57330	MOUNTING PLATE ASS'Y	2
5	57416	COCKING HANDLE BAR (RH)	2
6	57436	COCKING HANDLE BAR (LH)	2
7	30420	DROP BLOCK, ALUMINUM (LH)	2
8	30426	SHAFT, STEEL	2
9	22710	STEEL BALL, 1/2 "	2
10	22700	STEEL BALL, 3/8 "	2
11	30830	COMPRESSION SPRING, 1/4 ID X 1/2 OD X 2	2
12	20250	BOLT, HEX HEAD, 5/16 - 18 UNC X 2	3
13	21755	WASHER, STAR, 5/16 ID X 0.60 OD	6
14	21860	WASHER, FLAT, 7/16 ID X 1 OD	2
15	20321	BOLT, HEX HEAD, 3/8 - 24 UNF X 3/4	4
16	22160	SET SCREW, 1/4 - 28 UNF X 1/4	4
17	21915	WASHER, FLAT, PLASTIC, 9/16 ID X 11/16 OD X 1/16	4
18	22670	ROLL PIN, 1/8 X 3/4	8
19	24012	HANDLE, 3/8 - 16 UNC X 1/2 STUD	4
20	24180	KNOB, TENSION	4
21	52530	ROD, TENSION ADJUSTMENT, 3/8 RD X 12 7/8	1
22	52510	ROD, TENSION ADJUSTMENT, 3/8 RD X 17 3/4	1
23	52350	ROD, COCKING, 1/2 RD X 9 1/4	2
24	24150	KNOB, LOCK	2
25	57440	STUD, 3/8 RD X 2 11/16	2
26	30312	GEAR, PLASTIC, 3/8 ID X 1 1/8 OD X 36 TH	2
27	30310	GEAR, PLASTIC, 3/8 ID X 1 1/2 OD X 5/8	2
28	24290	E-RING, SNAP, 3/8	4
29	21010	NUT, HEX, 1/4 - 20 UNC	4
30	22120	SET SCREW, 1/4 - 20 UNC X 1/2	4
31	22030	SCREW, MACH, FLAT HEAD, 1/4 - 20 UNC X 1	8
32	40730	CUSHION PAD	2
33	57397	BUSHING, 3/8 ID X 1/2 OD X 0.337	2
34	22845	BUSHING, BALL BEARING, 3/4 ID X 1 5/8	2
35	21820	WASHER, LOCK, 3/8 ID	2
36	22685	ROLL PIN, 3/16 X 1	2
37	20320	BOLT, HEX HEAD, 3/8 - 16 UNC X 3/4	4
38	22810	BEARING, 3/8 ID X 13/16 OD	4
39	37928	SPACER, 3/8 ID X 1/2 OD X 3/16	4
40	57342	REINFORCEMENT PLATE, 5/16 X 2 X 4	1
41	20253	BOLT, HEX HEAD, 5/16 - 18 UNC X 2 1/4	3
42	20332	BOLT, HEX HEAD, 3/8 - 16 NC X 1	2
43	57450	EYE-ROD ASS'Y, 9/16 RD X 6 9/16	1
44	54082	BLOCK, DROP CHEST, 3/4 X 1 X 3 5/8	1
45	56203	BRACKET, SUPPORT YOKE, DROP CHEST	1
46	51230	ROD, ADJUSTMENT, DROP BLOCK, 1/2 X 11 1/4	1
47	30870	SPRING, TORSION COIL, 19 GA	1
48	24020	HANDLE, BLACK	2
49	22050	SCREW, MACH, RD HEAD, 1/4 - 20 NC X 2 1/2	2
50	20332	BOLT, HEX HEAD, 3/8 - 16 NC X 1	2
51	24286	SNAP RING, 9/16"	1
52	22660	ROLL PIN, 1/8 X 5/8	1
53	51920	PIN, EYE-ROD, CHEST - LUMBAR, 1/2 RD X 2 3/8	1
54	57319	BRACKET ASS'Y, ATTACHMENT, CHEST-LUMBAR	1
55	20258	BOLT, HEX HEAD, 5/16 - 18 NC X 2 1/2	3
56	22640	COTTER PIN, 3/32 X 1	2

# DROP CHEST ASS'Y FULL CUSHION

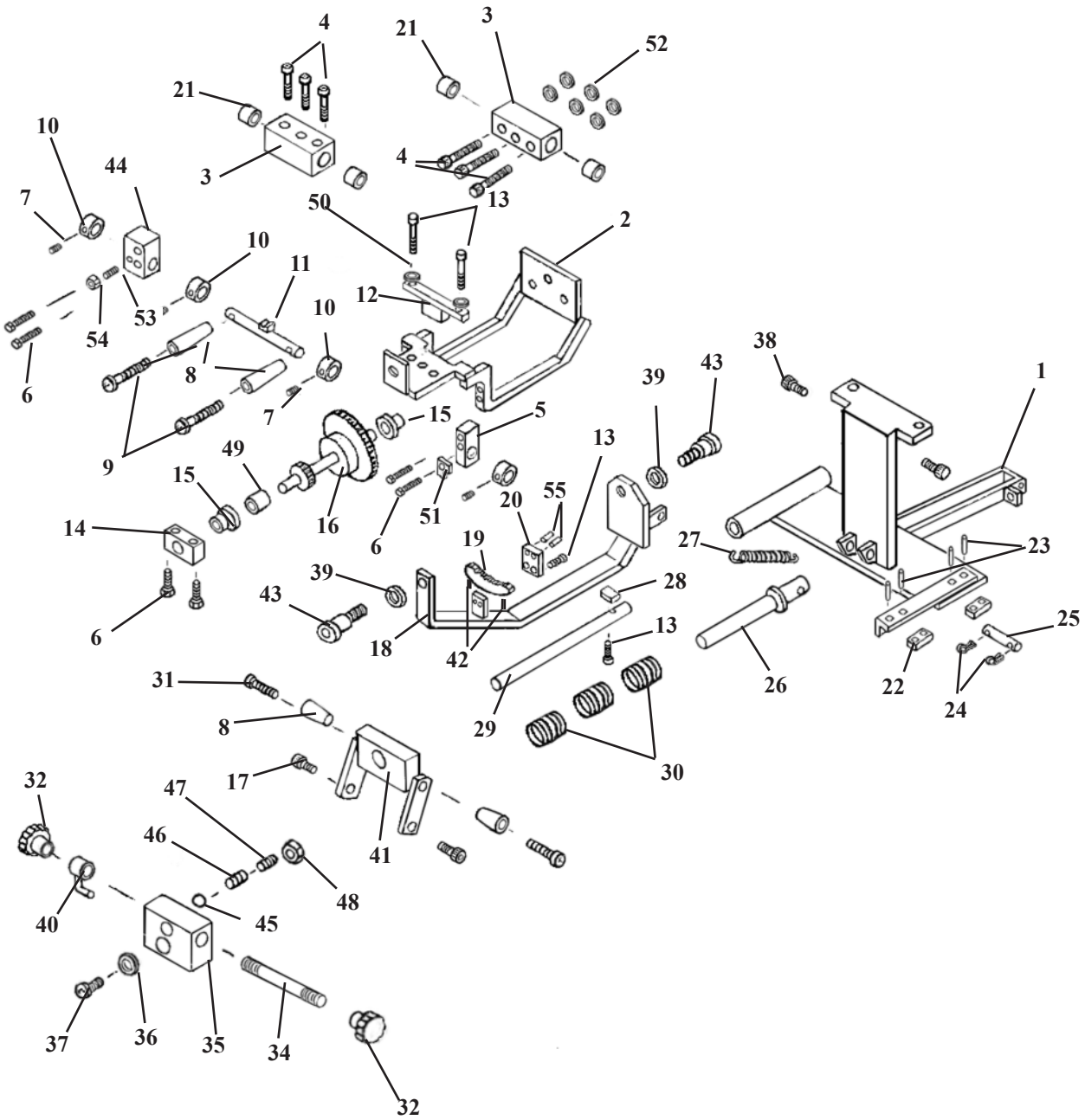


# DROP CHEST ASSEMBLY

## FULL CUSHION

ITEM	PART NO.	DESCRIPTION	QTY
1	40235	CHEST CUSHION ASSEMBLY	1
2	57428	TEE WEDGE ASSEMBLY, FRONT, NEW DROP	1
3	57429	TEE WEDGE ASSEMBLY, REAR, NEW DROP	1
4	20022	BOLT, HEX HEAD, 1/4 - 20 NC X 1.00	8
5	20332	BOLT, HEX HEAD, 3/8 - 16 NC X 1.00	4
6	57435	BAR, STABILIZER, DROP CHEST, 1/4 X 5/8 X 6 13/16	2
7	21210	NUT, HEX, 3/8 - 16 NC	9
8	52731	ARM, COCKING, 3/4 X 9/16 X 2 5/8	2
9	22260	SET SCREW, 5/16 - 24 NF X 1/4	2
10	22250	SET SCREW, 5/16 - 24 NF X 1/2	2
11	22810	BEARING, ROLLER, 3/8 ID	2
12	20330	BOLT, HEX HEAD, 3/8 - 16 NC X 7/8	8
13	22812	BEARING, ROLLER, 3/8 ID	8
14	21850	WASHER, PLASTIC, 3/8 ID X 1 OD	2
15	22700	BALL, STEEL, 3/8	2
16	30830	SPRING, COMPRESSION, 1/4 ID X 1/2 OD X 2	2
17	22710	BALL, STEEL, 1/2	2
18	22993	COLLAR, SET. 1/2 ID X 1.00 OD	4
19	22670	ROLL PIN, 1/8 X 3/4	4
20	57449	HANDLE, COCKING, NEW DROP	4
21	57447	ROD, TENSION ADJUSTMENT, 3/8 X 17 1/2	1
22	24180	KNOB, TENSION	4
23	24012	HANDLE, GRIP	4
24	24150	KNOB, LOCK	2
25	22160	SET SCREW, 1/4 - 28 NF X 1/4	2
26	57424	DROP CHEST FRAME ASSEMBLY, NEW DROP	1
27	57445	SCREW, TENSION, 3/8 X 3.1	2
28	30312	GEAR, TENSION, PLASTIC, 3/8 ID X 1 1/8 OD X 36 TH	2
29	52350	ROD, COCKING, 1/2 RD X 9	2
30	22673	ROLL PIN, 1/8 X 1	4
31	30310	GEAR, TENSION, PLASTIC, 3/8 ID X 1 1/2 OD X 5/8	2
32	20222	BOLT, HEX HEAD, 3/8 - 16 NC X 1 1/4	2
33	57438	ROD, LOCK	1
34	24290	E-CLIP, 3/8	2
35	57448	ROD, TENSION ADJUSTMENT, NEW DROP, 3/8 X 12 3/4	1
36	22940	COLLAR, 5/8 ID X 1 3/32 OD X 1/2	2
37	30793	SPRING, COMPRESSION, 11/16 ID X 15/16 OD X 3 1/8	2
38	51090	BLOCK, YOKE, 1 X 1 1/2 X 1 11/16, BRKY CHEST	1
39	20197	BOLT, SOCKET HD, 5/16 - 18 NC, SHOU 3/8 X 3/8	2
40	24286	SNAP RING, 9/16	1
41	56190	FORK ASSEMBLY, CHEST	1
42	57346	ROD, SPRING SUPPORT, 5/8 RD X 6 31/32	1
43	21012	NUT, HEX, 1/4 - 20 NC	1
44	22120	SET SCREW, 1/4 - 20 NC X 1/2	1
45	30715	SPRING, COMPRESSION, 3/16 ID X 0.140 OD X 3/8	1
46	22702	BALL, STEEL, 3/16	1
47	57345	PIN, SLIDE, LOCKING ASS'Y, 5/16 X 3	1
48	57344	PIN, LOCKING, 1/4 RD X 2 1/8	1
49	57343	BLOCK, DROP, LOCKING, 1/2 X 1/2 X 1 9/16	1
50	22160	SET SCREW, 1/4 - 28 NF X 1/4	2

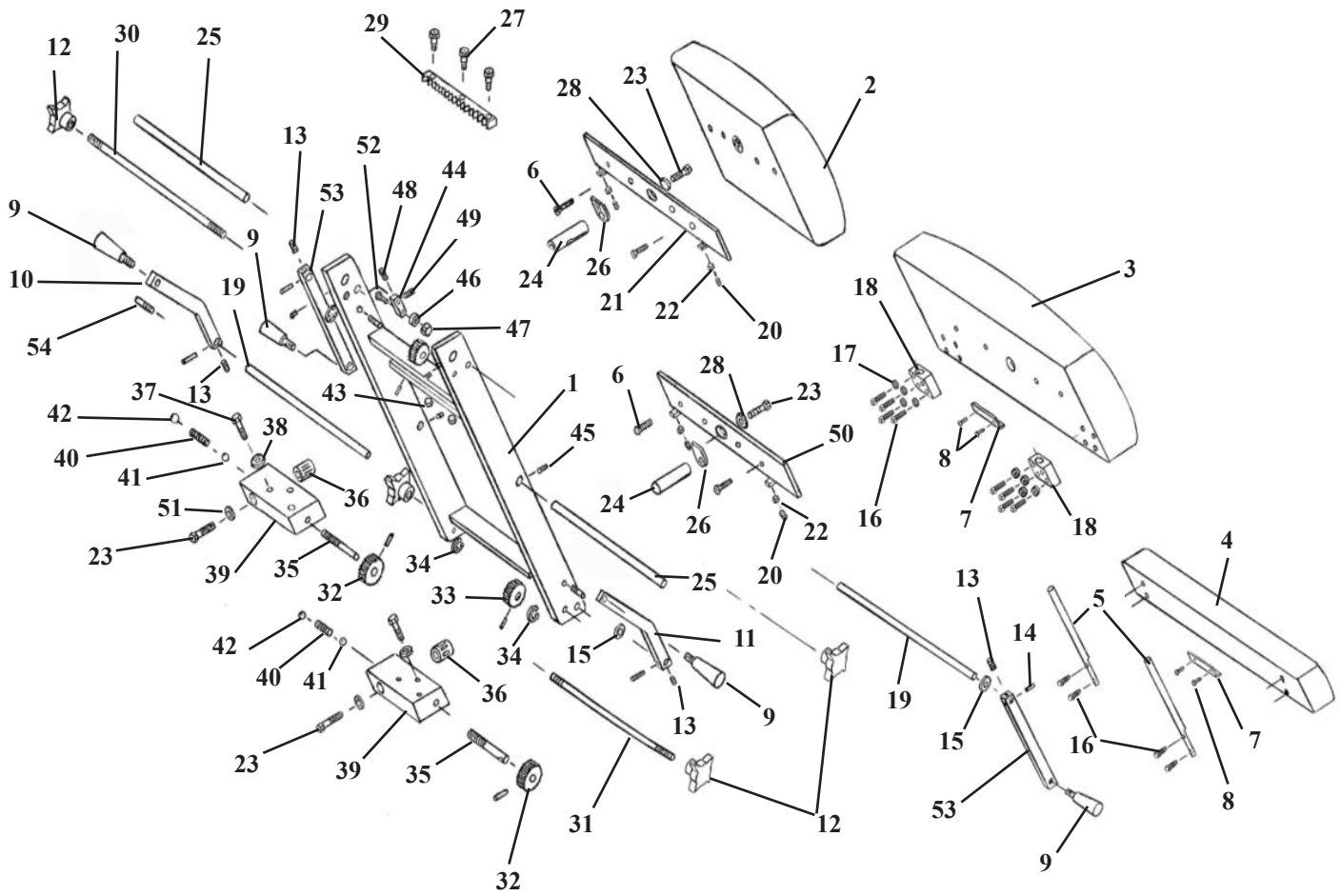
# ROTATION CHEST FRAME ASS'Y



# ROTATION CHEST FRAME ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.
1	55997	I-FRAME ASS'Y, ROTATION CHEST	1
2	57303	GEAR TRAIN FRAME ASS'Y, SWIVEL YOKE	1
3	57401	BLOCK, GUIDE, SWIVEL CHEST ASS'Y, 1 1/4 X 1 1/2 X 2 3/4	2
4	20024	BOLT, SOCKET HEAD, 1/4 - 20 NC X 1 1/4	6
5	57394	BLOCK, LOCKING ROD, SWIVEL CHEST, 7/16 X 5/8 X 1 7/16	1
6	20023	BOLT, HEX HEAD, 1/4 - 20 NC X 1 1/4	4
7	22110	SET SCREW, 1/4 - 20 NC X 1/4	4
8	24022	HANDLE	4
9	22033	SCREW, MACH, RD HEAD, 1/4 - 20 NC X 1 1/2	2
10	22912	COLLAR, 3/8 ID	4
11	57333	LOCK ROD ASS'Y, SWIVEL CHEST	1
12	57338	TEE BRACKET ASS'Y, CHEST, TILT FRAME	1
13	20112	BOLT, HEX HEAD, 1/4 - 28 NF X 5/8	4
14	57395	BLOCK, GEAR FRAME MOUNTING, 7/16 X 5/8 X 1 3/4	1
15	22885	BUSHING, 3/8 ID x 1/2 OD x 15/32	2
16	57329	GEAR TRAIN ASS'Y, SWIVEL CHEST	1
17	20197	BOLT, SOCKET HEAD, 5/16 - 18 NC, SHOU 3/8 X 3/8	2
18	57306	YOKE SUPPORT FRAME ASS'Y	1
19	57396	GEAR RACK, 5/16 X 7/16 X 14 TEETH	1
20	57337	GEAR BRACKET ASS'Y, 3/16 X 1 X 1	1
21	22893	BUSHING, GUIDE, 5/8 ID X 1 1/8 SUPER 10	4
22	55944	SHIM, PLASTIC	2
23	22657	ROLL PIN, 1/8 RD X 3/8	4
24	22640	COTTER PIN, 3/32 X 1	2
25	58449	PIN, SUPPORT, 3/8 RD X 1 11/16	1
26	55535	GUIDE ROD ASS'Y	1
27	30759	SPRING, TENSION, 3/8 ID X 7/16 OD X 2 13/16	1
28	57386	SPACER ADJUSTMENT, 1/4 X 3/4 X 7/16	1
29	57387	GUIDE ROD, 7/16 DIA X 5 15/16	1
30	30846	COMPRESSION SPRING, 3/4 ID X 1 7/32 OD	3
31	22035	SCREW, MACH, ROUND HEAD, 1/4 - 20 NC X 1 3/4	2
32	24150	KNOB, LOCK	2
33	22090	SET SCREW, #10 - 32 NF X 3/16	1
34	57302	SCREW, ADJUSTMENT, 5/16 RD X 3 1/2	1
35	51090	YOKE BLOCK, 1 X 1 1/2 X 1 11/16	1
36	21860	WASHER, FLAT, 7/16 ID X 1 OD	1
37	22012	SCREW, MACH, TRUSS HEAD, 1/4 - 20 NC X 1/2	1
38	20205	BOLT, SOCKET HEAD, 5/16 - 18 NC, SHOU 3/8 X 1	2
39	21850	WASHER, FLAT, PLASTIC, 3/8 ID X 1	2
40	50570	LOCK PIN ASS'Y	1
41	57307	BREAKAWAY LOCK BRACKET ASS'Y	1
42	22162	SET SCREW, 1/4 - 28 NF X 5/8	2
43	20199	BOLT, SOCKET HEAD, 5/16 - 18 NC, SHOU 3/8 X 1/2	2
44	57383	LOCK BLOCK, 3/4 X 3/4 X 1 7/16	1
45	22702	BALL, STEEL, 3/16	1
46	30715	SPRING, COMPRESSION, 3/16 ID X 0.140 X 3/8	1
47	22120	SET SCREW, 1/4 - 20 NC X 1/2	1
48	21012	NUT, JAM, 1/4 - 20 NC	1
49	57397	BUSHING, GEAR TRAIN, 3/8 ID X 1/2 OD X 3/8	1
50	21630	WASHER, STAR, 1/4 ID X 1/2 OD	2
51	57415	PLATE, STOP, LOCK HANDLE, SWIVEL CHEST, 1/8 X 1/2 X 3/4	1
52	21620	WASHER, FLAT, 1/4 ID X 9/16 OD	6
53	22232	SET SCREW, 5/16 - 18 NC X 1/2	1
54	21110	NUT, JAM, 5/16 - 18 NC	1
55	22660	ROLL PIN, 1/8 X 5/8 (GROUND OFF TO 1/2 ")	2

# ROTATION CHEST CUSHION ASSEMBLY DROP DORSAL & LUMBAR



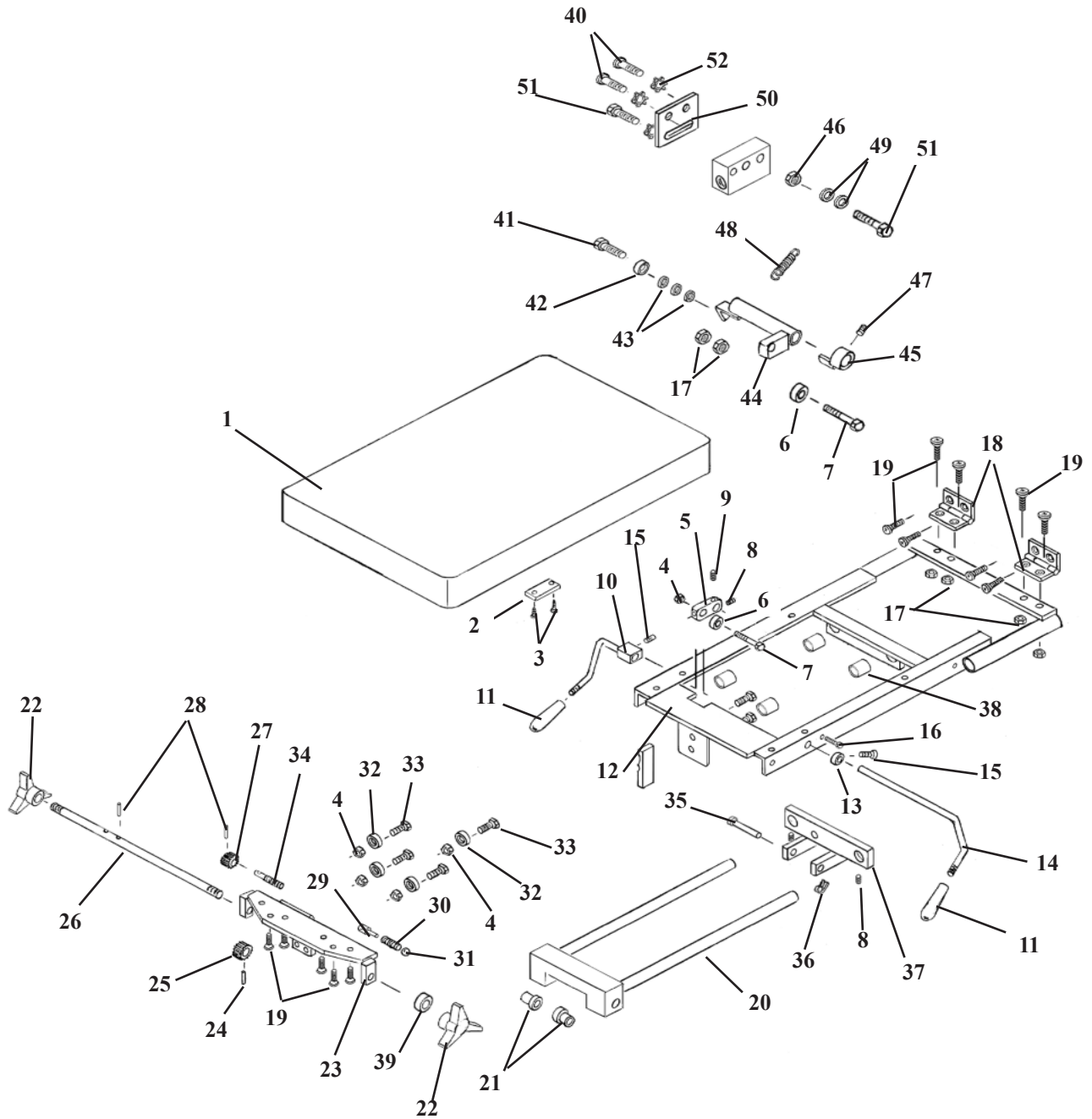
# ROTATION CHEST CUSHION ASSEMBLY

## DROP DORSAL & LUMBAR

ITEM	PART NO.	DESCRIPTION	QTY.
1	57308	FRAME ASS'Y, ROTATION CHEST	1
2	40510	CUSHION, DORSAL	1
3	40530	CUSHION, LUMBAR	1
4	40230	CUSHION, EXTENSION	1
5	57384	TONGUE, EXTENSION, 9/16 RD X 9 3/8	2
6	22030	SCREW, MACH, FLAT HEAD, 1/4 - 20 NC X 1	8
7	56202	GUARD, CUSHION	2
8	22460	SCREW, SHEET METAL, PAN HD, #10 X 1/2	4
9	24015	HANDLE, GRIP	4
10	57416	HANDLE, COCKING (RH)	1
11	57436	HANDLE, COCKING (LH)	1
12	24180	KNOB, TENSION	4
13	22160	SET SCREW, 1/4 - 28 NF X 1/4	4
14	22670	ROLL PIN, 1/8 X 3/4	8
15	21915	WASHER, FLAT, PLASTIC, 9/16 ID X 11/16 OD	4
16	20023	BOLT, HEX HEAD, 1/4 - 20 NC X 1 1/4	12
17	21630	WASHER, STAR, 1/4 ID X 1/2 OD	8
18	57385	BRACKET, LEAF	2
19	57399	ROD, SUPPORT, COCKING HANDLE, ROT CHEST	4
20	22120	SET SCREW, 1/4 - 20 NC X 1/2	1
21	57330	MOUNTING PLATE ASS'Y	1
22	21010	NUT, HEX, 1/4 - 20 NC	6
23	20321	BOLT, HEX HEAD, 3/8 - 24 NF X 3/4	4
24	30426	STEEL SHAFT, 3/4 Dia	2
25	57391	ROD, SLIDE, SWIVEL CHEST, 5/8 RD X 11 3/4	2
26	40730	PAD, CUSHION	2
27	22004	SCREW, MACH, SOCKET HEAD, #10 - 24 NC X 1	3
28	21820	WASHER, STAR, 3/8 X 11/16	2
29	57390	RACK, GEAR, 1/2 X 1/2 X 8 3/16	1
30	57392	ROD, TENSION, SWIVEL CHEST, 3/8 RD X 13 9/16	1
31	57393	ROD, TENSION, SWIVEL CHEST, 3/8 RD X 18	1
32	30312	GEAR, PLASTIC, 3/8 ID X 1 1/8 OD	2
33	30310	GEAR, PLASTIC, 3/8 ID X 1 1/2 OD	2
34	24290	E-CLIP	4
35	57440	STUD, CHEST-LUMBAR, 3/8 RD X 2 11/16	2
36	22845	BEARING, BALL, BUSHING, 3/4 ID X 1 5/8	2
37	20253	BOLT, HEX HEAD, 5/16 - 18 NC X 2 1/4	6
38	21755	WASHER, STAR, 5/16 ID X 0.60 OD	6
39	30420	BLOCK, DROP, ALUMINUM (LH)	2
40	30830	SPRING, COMPRESSION, 1/4 ID X 1/2 OD X 2	2
41	22700	BALL, STEEL, 3/8 ID	2
42	22710	BALL, STEEL, 1/2 DIA	2
43	21450	NUT, HEX, #10 - 24 NC	3
44	52731	ARM, COCKING, 9/16 X 3/4 X 2 5/8	2
45	22090	SET SCREW, #10 - 32 NF X 3/16	4
46	22810	BEARING, BALL, 3/8 ID	2
47	21210	NUT, HEX, 3/8 - 16 NC	2
48	22260	SET SCREW, 5/16 - 24 NF X 1/4	2
49	22250	SET SCREW, 5/16 - 24 NF X 1/2	2
50	57332	PLATE, MOUNTING, CUSHION, SWIVEL CHEST	2
51	21860	WASHER, FLAT, 7/16 ID X 1 OD	2
52	20332	BOLT, HEX HEAD, 3/8 - 16 NC X 1	2
53	57315	ARM, COCKING, SWIVEL CHEST, 7/16 X 3/4 X 5 1/2	2
54	22685	ROLL PIN, 3/16 X 1	2

# T-DROP PELVIC ASS'Y

## NON-ROTATION





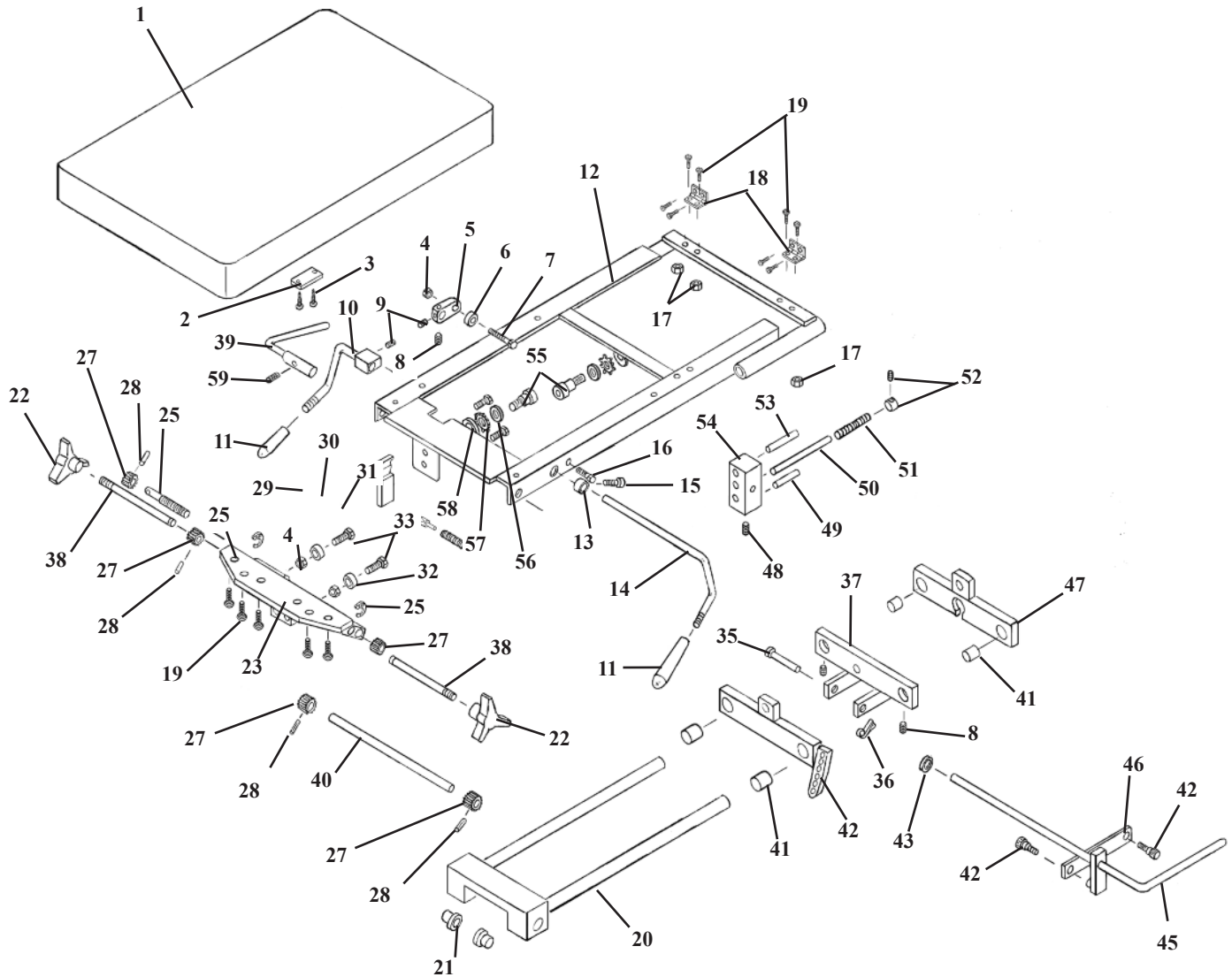
# DROP PELVIC ASSEMBLY NON - ROTATION

ITEM	PART NO.	DESCRIPTION	QTY.
1	40307	PELVIC CUSHION ASS'Y	1
2	56493	STRIKER PLATE	1
3	22469	FLAT HD WOOD SCREW, #10 X 7/8	2
4	21210	HEX NUT, 3/8-16UNC	5
5	56359	COCKING ARM	1
6	22810	ROLLER BEARING	1
7	20350	HEX HD BOLT, 3/8-16UNC X 1 3/4	1
8	22250	SET SCREW, 5/16-24UNF X 1/2	3
9	22260	SET SCREW, 5/16-24UNF X 1/4	1
10	56565	COCKING HANDLE ASS'Y	1
11	22660	PLASTIC HANDLE	2
12	58527	CARRIAGE FRAME ASS'Y	1
13	22930	COLLAR 7/16ID	1
14	56378	COCKING HANDLE	1
15	22120	SET SCREW,, 1/4-20UNC X 1/2	1
16	20010	HEX HD BOTL, 1/4-20UNC X 3/4	1
17	21010	HEX NUT, 1/4-20UNC	2
18	58181	HING, 2X2	2
19	22030	FLAT HD SCREW, 1/4-20UNC X 1.00	14
20	58542	GUIDE FRAME ASS'Y	1
21	22888	BRASS CAP BUSHING	2
22	24180	TENSION KNOB	2
23	58547	BEARING PLATE ASS'Y	1
24	22670	ROLL PIN, 1/8 X 3/4	1
25	30312	PLASTIC GEAR, 3/8ID X 1 1/8OD X 36 <sup>TH</sup>	1
26	58596	TENISON ROD, 3/8RD X 21	1
27	30311	PLASTIC GEAR, 3/8RD X 15/16OD X 28 <sup>TH</sup>	1
28	22660	ROLL PIN, 1/8 X 5/8	1
29	22700	STEEL BALL, 3/8 DIA	1
30	30710	COMPRESSION SPRING	1
31	22710	STEEL BALL, 1/2 DIA	1
32	22812	BALL BEARING, 3/8ID	4
33	20332	HEX HD BOLT, 3/8-16UNC X 1	4
34	56332	TENSION SCREW	1
35	22615	CLEVIS PIN, 5/16 X 2	1
36	22639	COTTER PIN, 3/32 X 1/2	1
37	58594	SLIDE BRACKET ASS'Y	1
38	22850	BUSHING NYLON 3/4 ID X 7/8 OD X 3/4	4
39	22912	SET COLLAR, 3/8 ID	1

## OPTIONAL AUTO COCKING PARTS

40	22030	SCREW, MACHINE, FLAT HD, /4-20 X 1.00	2
41	20022	HEX HD, BOLT, 1/4-20UNC X 1.00	1
42	22805	ROLLER BEARING, 1/4ID	1
43	21620	WASHER, FLATE, 1/4ID X 9/16OD	3
44	58582	TRANSFER AXIAL ASSEMBLY	1
45	58559	COCKING COLLAR ASS'Y	1
46	21010	HEX NUT 1/4-20UNC	1
47	22110	SET SCREW, 1/4-20UNC X 1/4	1
48	30725	TENSION SPRING, 1/4 ID X 1 5/16	1
49	21610	WASHER, PLASTIC, 1/4 ID	2
50	58595	MOUNTING PLATE	1
51	20120	HEX HD. BOLT, 1/4-28UNF X 1.00	3
52	21630	STAR WASHER, 1/4ID	4

# T-DROP ROTATION PELVIC ASSEMBLY

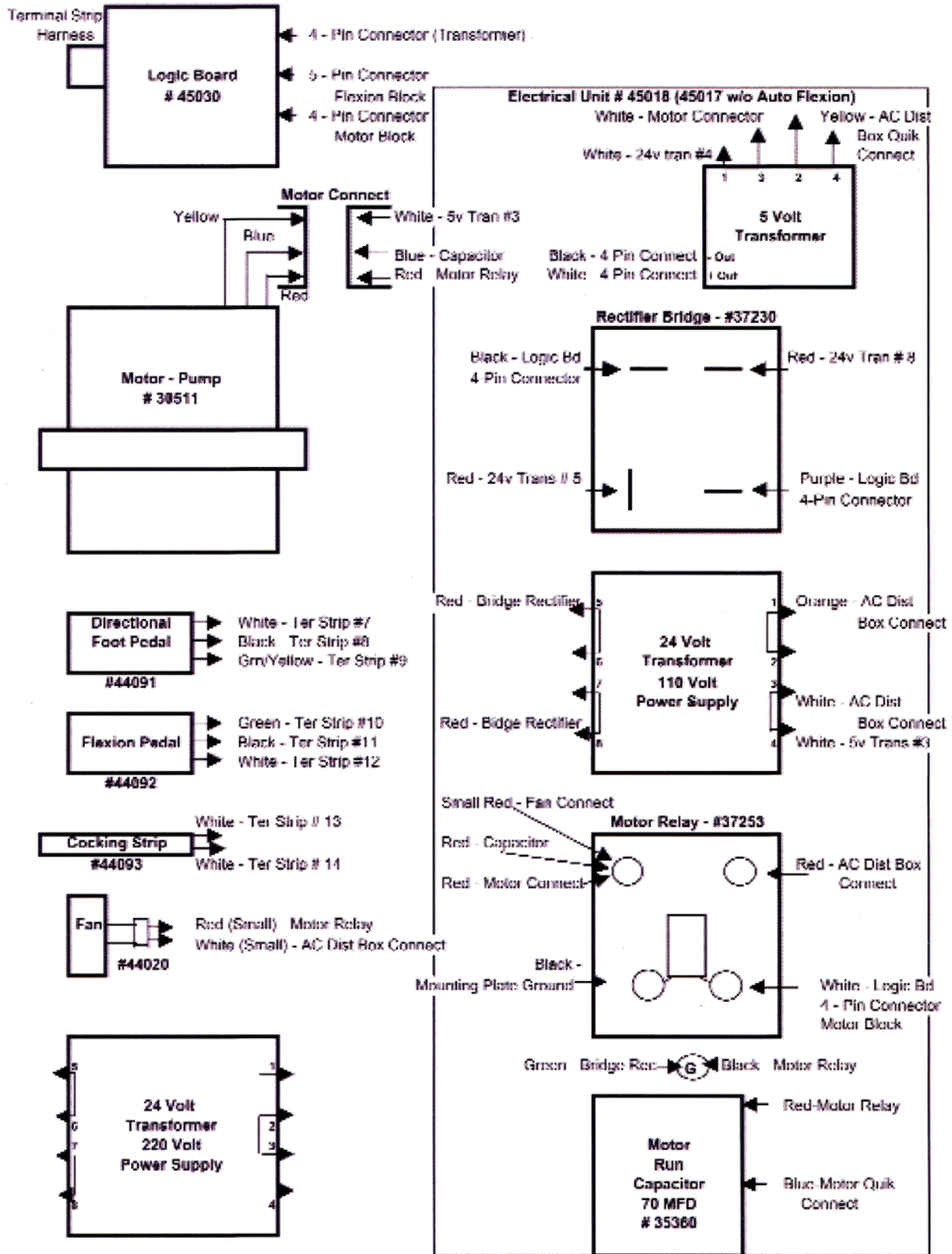


# T-DROP & ROTATION PELVIC ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.
1	40307	PELVIC CUSHION ASS'Y	1
2	56493	STRIKER PLATE	1
3	22469	FLAT HD WOOD SCREW, #10 X 7/8	2
4	21210	HEX NUT, 3/8-16UNC	5
5	56359	COCKING ARM	1
6	22810	ROLLER BEARING	1
7	20350	HEX HD BOLT, 3/8-16UNC X 1 3/4	1
8	22250	SET SCREW, 5/16-24UNF X 1/2	2
9	22260	SET SCREW, 5/16-24UNF X 1/4	1
10	56565	COCKING HANDLE ASS'Y	1
11	24010	PLASTIC HANDLE	2
12	58526	CARRIAGE FRAME ASS'Y	1
13	22930	COLLAR 7/16ID	1
14	56378	COCKING HANDLE	1
15	22120	SET SCREW, 1/4-20UNC X 1/2	1
16	20010	HEX HD BOLT, 1/4-20UNC X 3/4	1
17	21010	HEX NUT, 1/4-20UNC	4
18	58181	HING, 2X2	2
19	22030	FLAT HD SCREW, 1/4-20UNC X 1.00	14
20	58542	GUIDE FRAME ASS'Y	1
21	22888	BRASS CAP BUSHING	2
22	24180	TENSION KNOB	2
23	58540	BEARING PLATE ASS'Y	1
24	22670	ROLL PIN, 1/8 X 3/4	1
25	24042	SNAP RING, 3/8	2
26	58596	TENISON ROD, 3/8RD X 21	1
27	30311	PLASTIC GEAR, 3/8RD X 15/16OD X 28 <sup>TH</sup>	4
28	22660	ROLL PIN, 1/8 X 5/8	4
29	22700	STEEL BALL, 3/8 DIA	1
30	30710	COMPRESSION SPRING	1
31	22710	STEEL BALL, 1/2 DIA	1
32	22812	BALL BEARING, 3/8ID	4
33	20332	HEX HD BOLT, 3/8-16UNC X 1	4
34	56332	TENSION SCREW	1
35	22615	CLEVIS PIN, 5/16 X 2	1
36	22639	COTTER PIN, 3/32 X 1/2	1
37	58594	SLIDE BRACKET ASS'Y	1
38	58586	TENSION ROD, 3/8RD X 5 7/8	2
39	53273	CONTROL HANDLE ASS'Y	1
40	58587	JACK SHAFT, 3/8 X 10 1/4	1
41	22850	BUSHING, 3/4ID X 7/8OD	4
42	58543	ROTATION BLOCK ASS'Y	1
43	21760	WASHER, FLAT, 5/16 ID X 1/2 OD	1
44	21997	SOCKET HD BOLT, #10-32UNF X 1/2	2
45	53271	LOCK HANDLE ASS'Y	1
46	53265	LINKAGE BAR, 1/8 X 1/2 X 2 7/16	1
47	58541	CYLINDER BLOCK, ASS'Y	1
48	22160	SET SCREW, 1/4-28UNF X 1/4	1
49	53268	GUIDE PIN, 1/4RD X 1 3/4	1
50	53267	LOCK PIN, 1/4RD X 3 1/2	1
51	30751	COMPRESSION SPRING, .290ID X .37OD X 2.00	1
52	22910	COLLAR, 1/4ID	1
53	22687	PIN, TAPER #3	1
54	58590	LOCK BLOCK	1
55	20208	BOLT, SOCKET HD. 1/2-13UNC X 5/8	2
56	24283	SHIM	2
57	24050	WASHER, STAR, 5/8ID	2
58	21944	WASHER, FLAT, 5/8ID	2
59	22098	SET SCREW, #10-32UNF	1

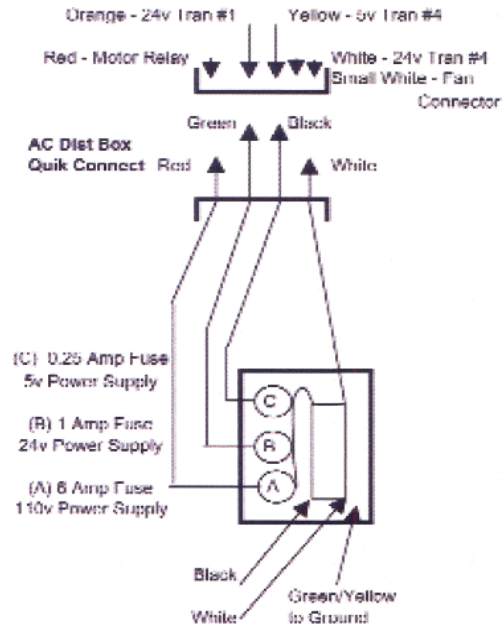
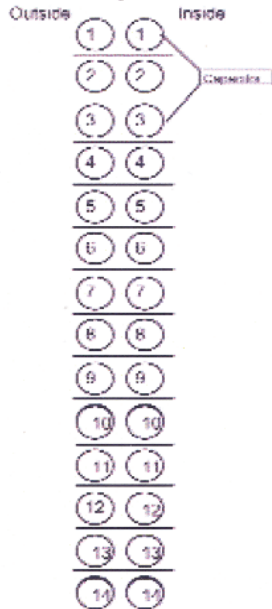
# ELECTRICAL DIAGRAM ASSEMBLY

## W/Auto Flexion & Height Select



# Terminal & Logic Board Connections

## Terminal Strip Part No. 38370



Terminal Strip Key	
Outside	Inside
1 Black - Potentiometer	Black - Logic Board Black - Jumper to TS #5
2 Red - Potentiometer	Red - Logic Board
3 Green - Potentiometer	Green - Logic Board
4 Red - Green Strip	Yellow - Logic Board
5 Black - Green Strip	Black - Jumper from TS #11 Black - Jumper to TS #8
6 Green - Green Strip	White - Logic Board
7 White - Directional Foot Pedal White - Directional Foot Pedal	Blue - Logic Board
8 Black - Directional Foot Pedal Black - Directional Foot Pedal	Black - Jumper from TS #5 Black - Jumper to TS #11
9 Green - Directional Foot Pedal Green - Directional Foot Pedal	Brown - Logic Board
10 Green - Flexion Foot Pedal Green - Flexion Foot Pedal	Purple - Logic Board
11 Black - Flexion Foot Pedal Black - Flexion Foot Pedal	Black - Jumper from TS #8 Black - Jumper to TS #13
12 White - Flexion Foot Pedal White - Flexion Foot Pedal	Grey - Logic Board
13 White - Cocking Strip White - Cocking Strip	Black - Jumper from TS #8
14 White - Cocking Strip White - Cocking Strip	Orange - Logic Board

### 4 - Pin Logic Board Connector & Harness

5 Volt (-)	Black	Black - 5v Trans #4
5 Volt (+)	White	White - 5v Trans (+) Out
24 Volt (-)	Green (Dark/Light)	Black - Bridge Rec
24 Volt (+)	Red	Purple - Bridge Rec

The Dark Green wire is ground to the Mounting Plate.

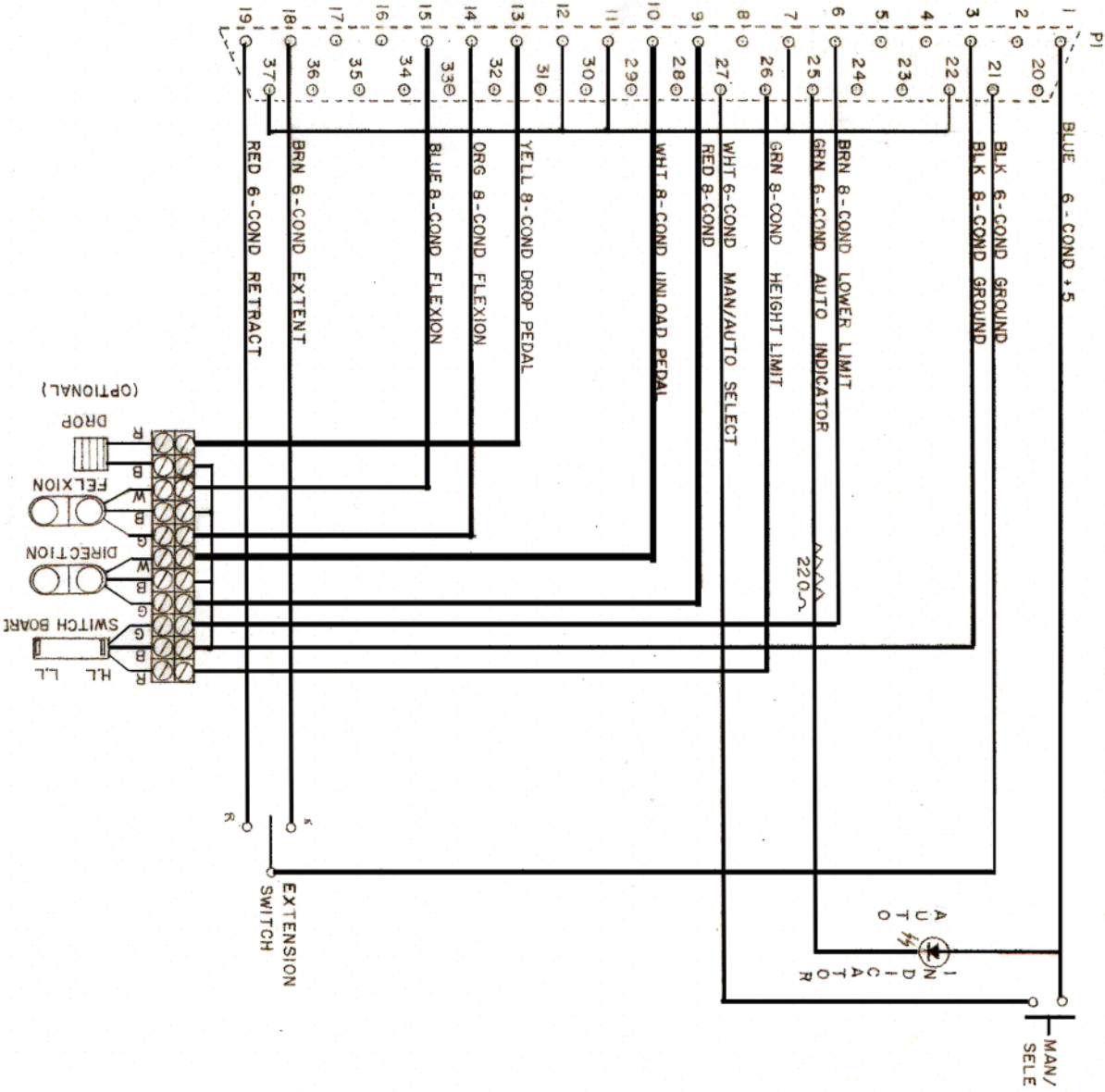
### 4 - Pin Logic Board Connector & Harness (Motor Block)

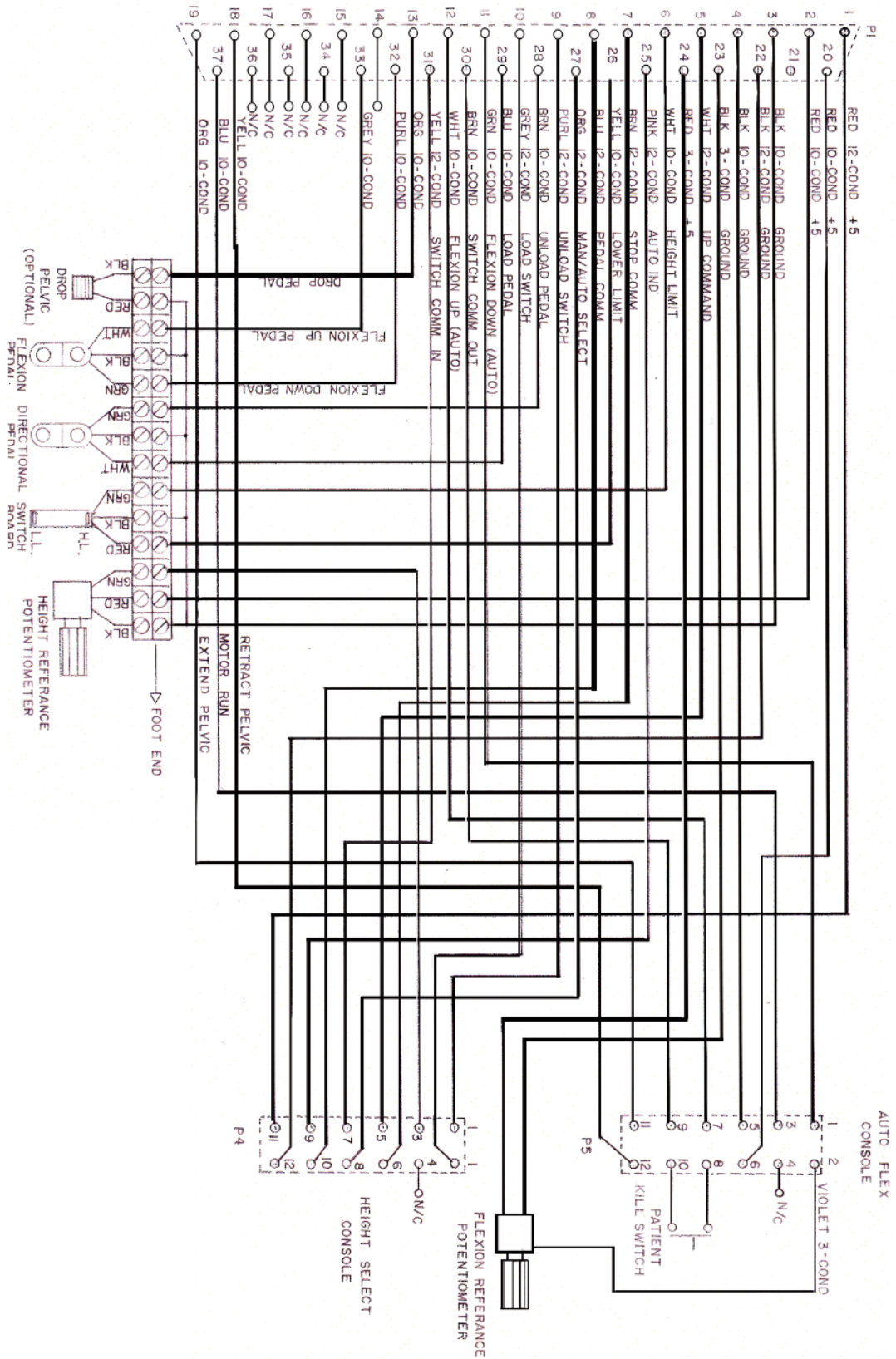
Release	Black - Release Valve Coil
Floitation	Green - Floitation Valve Coil
Drops	Red - Auto Drop Valve Coil
Motor	White - Motor Relay

### 5 - Pin Logic Board Connector & Harness (Flex. Block)

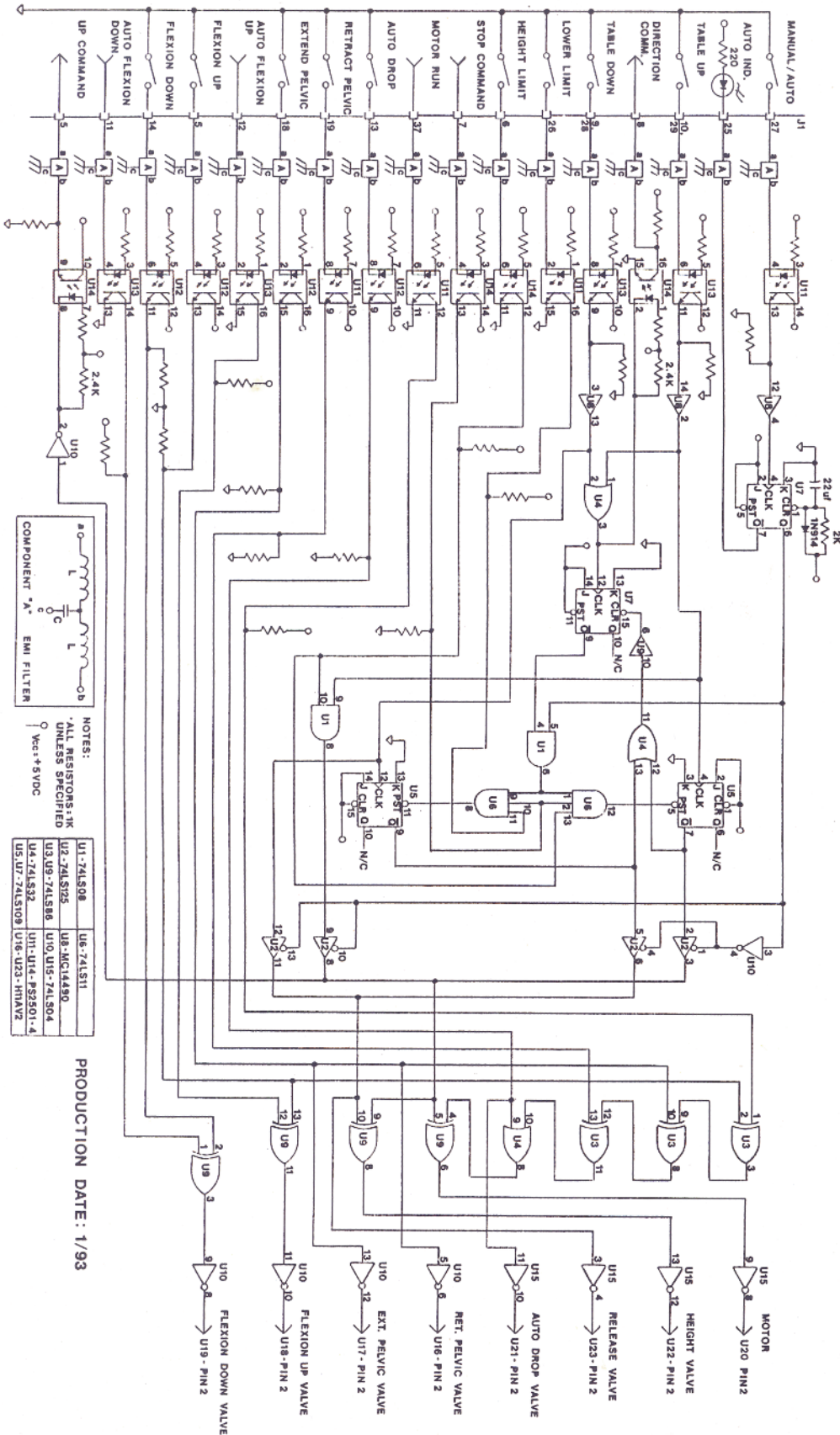
Retract Pelvic	Black - Pelvic Ext/Ret 4 Way
Extend Pelvic	White - Pelvic Ext/Ret 4-way
Flex Up	Light Green - Flex Up Valve
Flex Down	Red - Flex Down Valve
N/C	

# CONTROL HARNESS



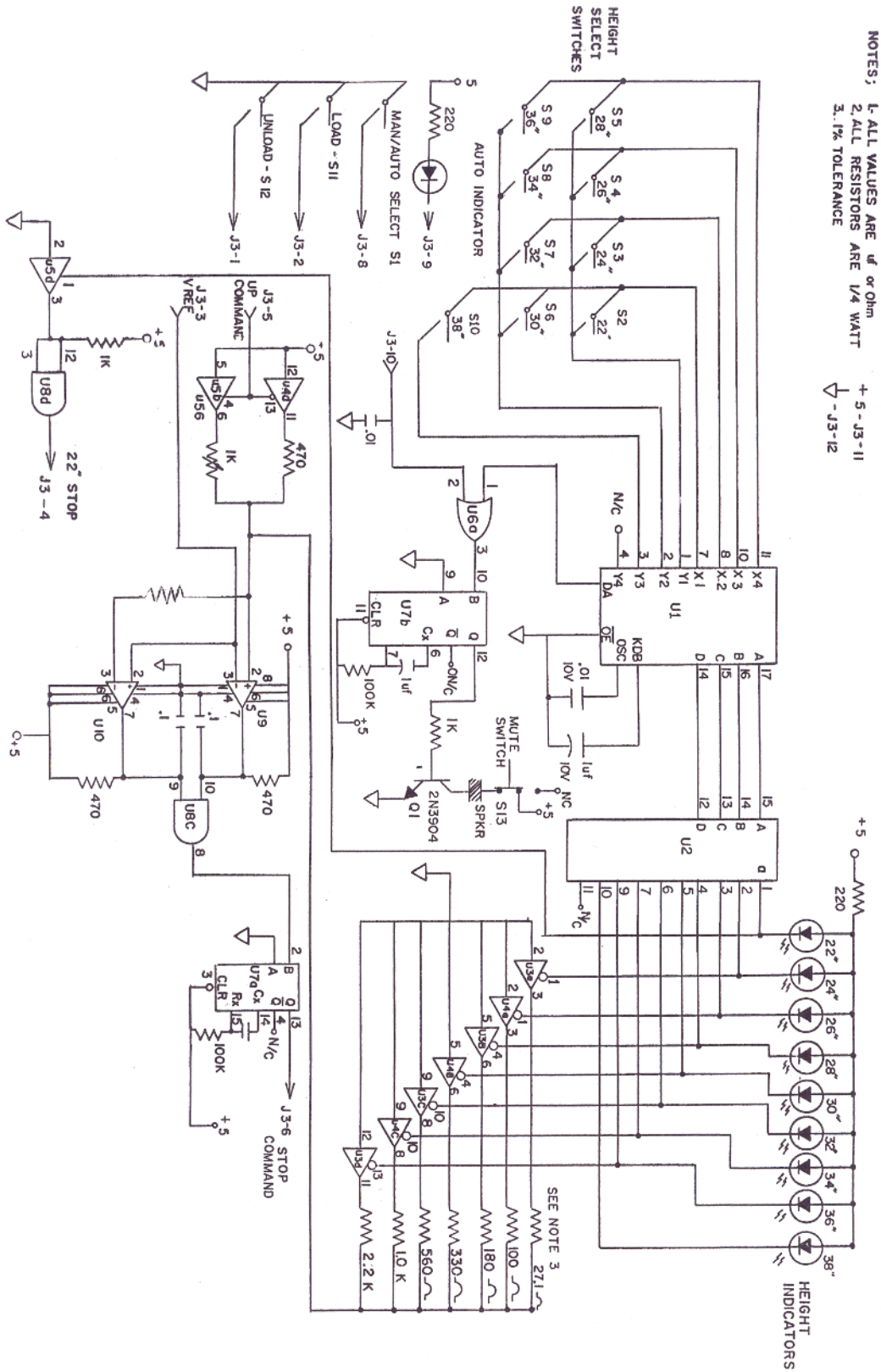


# VALVE DRIVER CIRCUIT BOARD





# HEIGHT SELECT LOGIC BOARD



# LLOYD TABLE COMPANY

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