

LLOYD GALAXY

McManis HYLO Operation Manual



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LLOYD
TABLE COMPANY

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Table Serial Number _____

WELCOME!!

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



SAFETY

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 13,16 & 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 and hands placed on top of 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.

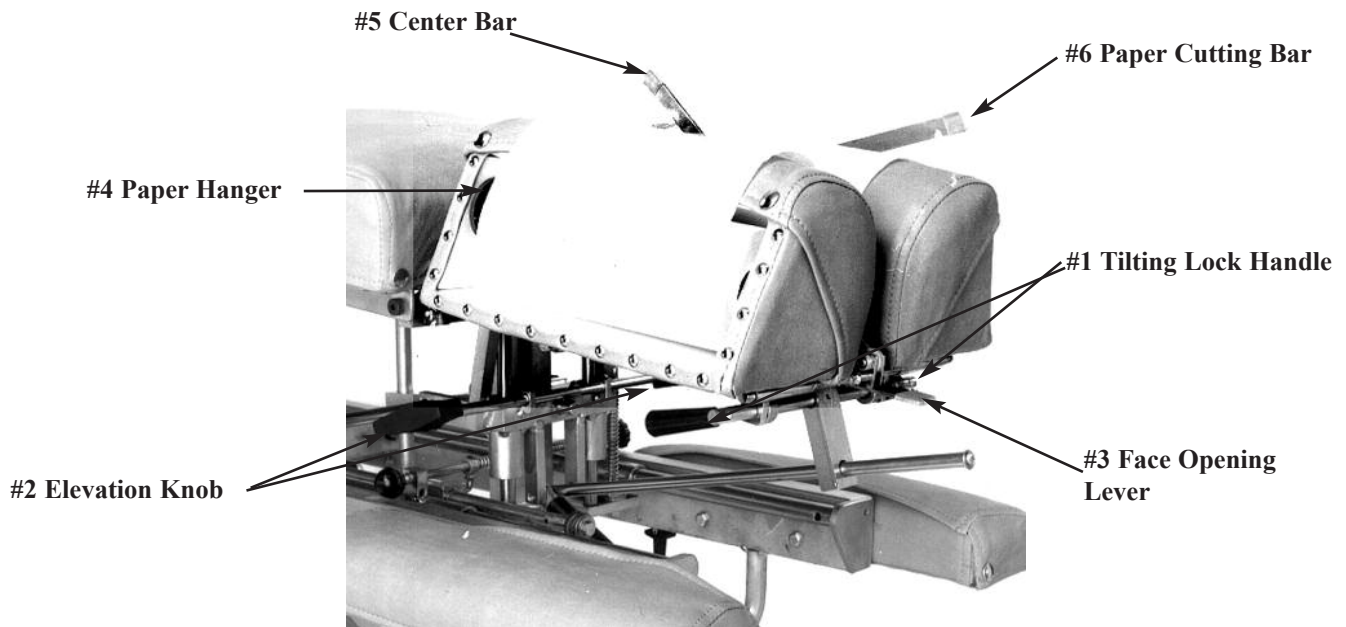
The following sections provide explanations on the operation of your Lloyd table. All references to right and left, will be in relationship to your view, as you face table from the foot end. All references to the front will refer to the head end of the table. Those to the rear will refer to the foot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

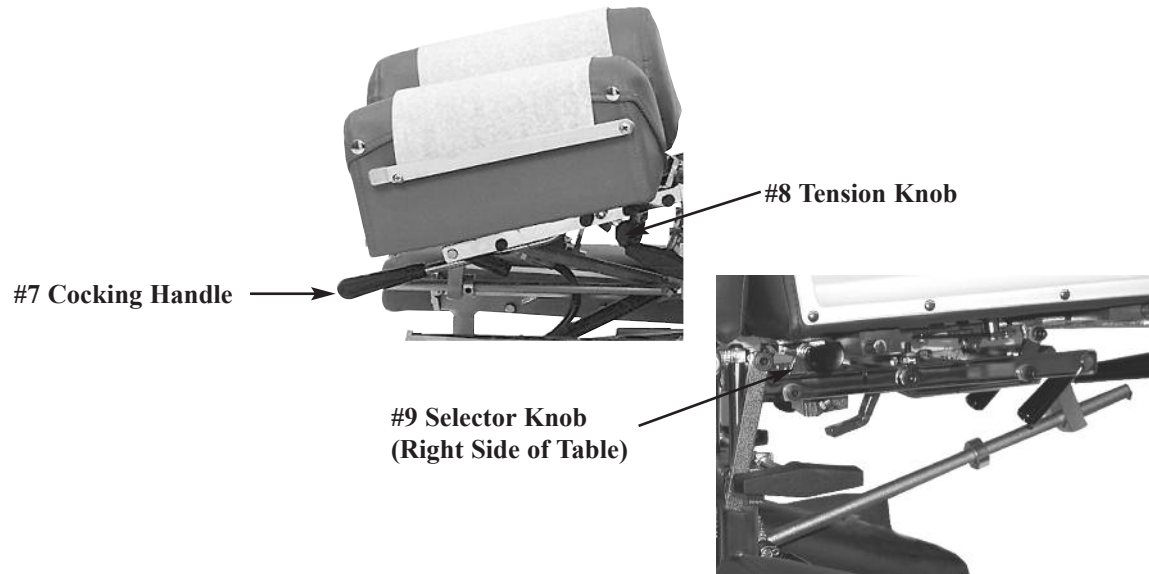
Paper Roll

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 counter-clockwise 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

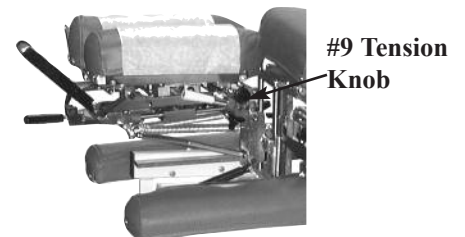
CAUTION: THE DROP CUSHION TENSION SHOULD BE CHECKED AND TESTED BEFORE ADJUSTING A PATIENT.

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



Operating the Forward Motion Drop:

1. The Selector Knob (No. 1) is to be pushed in, to engage the forward motion drop. Right Side
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 counter clockwise and release.

Face Opening Adjustment

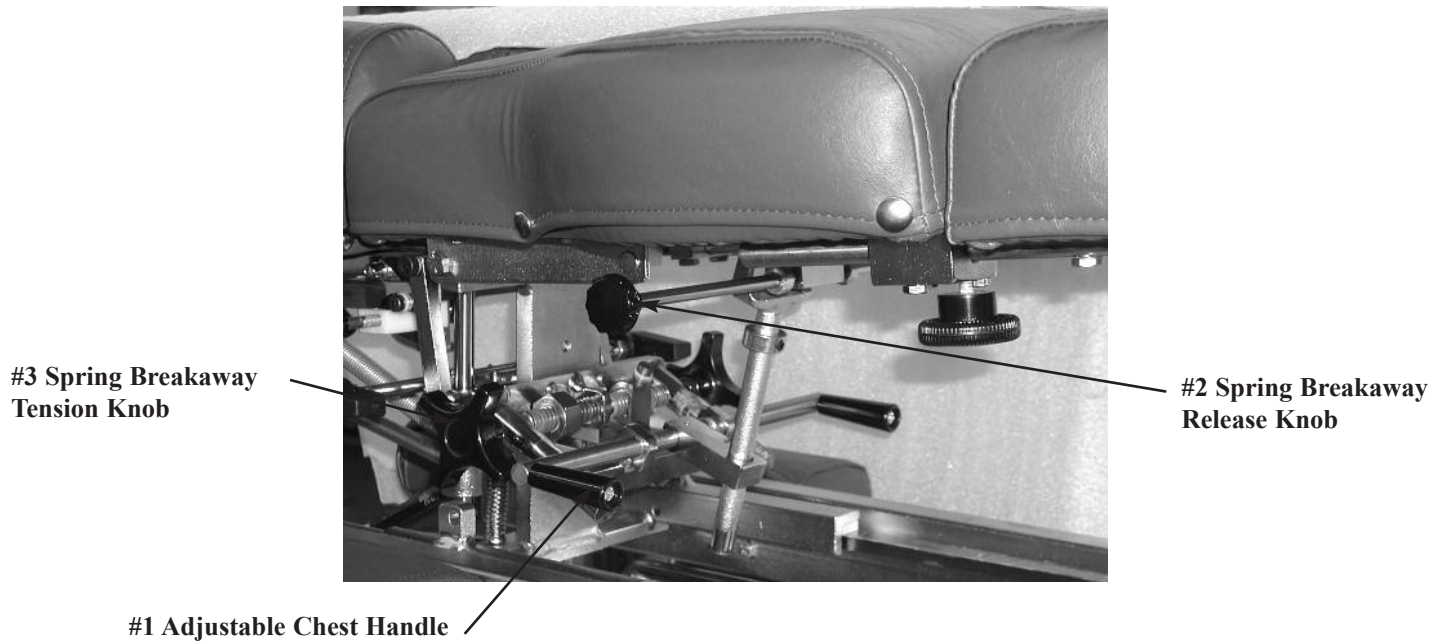
1. The Head Cushion's Face Opening can be opened or closed to adjust for the comfort with the Face Opening Lever (No. 7). By pushing slightly down on the Face Opening Lever, slide side to side adjusting the face opening. The Face Opening Lever must be released in one of the eight positions to lock cushions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

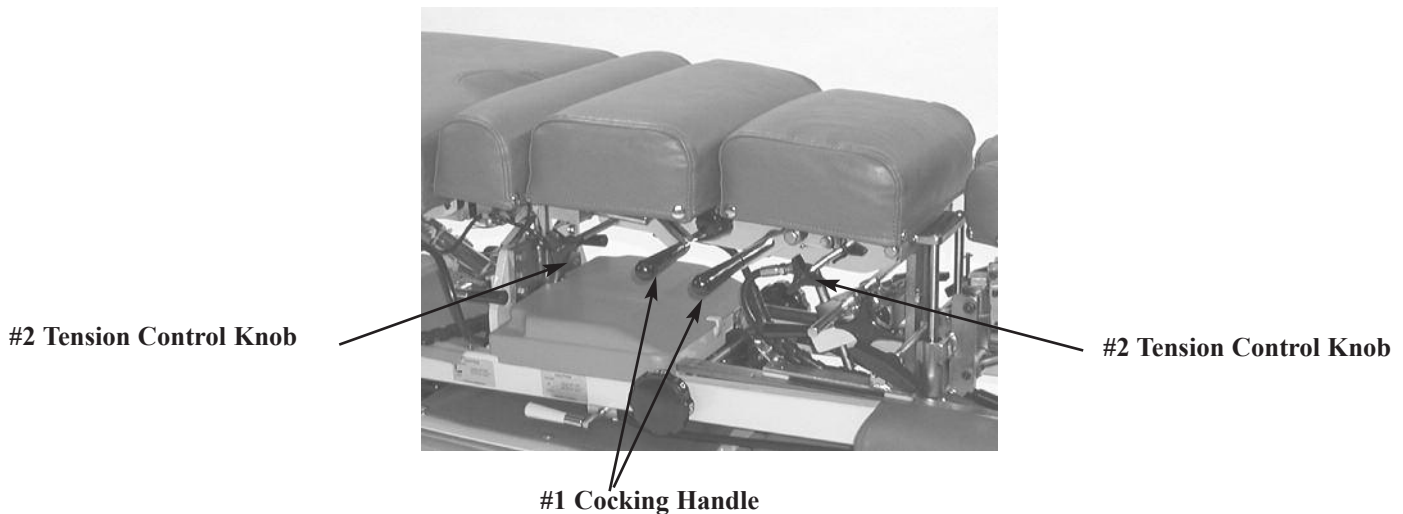
1. Push on Spring Breakaway Knob (No. 2) (facing the right side of the table) to lock.
Spring Breakaway will only lock in neutral position

To Increase or Decrease the Tension for Spring Breakaway

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

** (Reference- Turning towards the Foot end the tightens 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

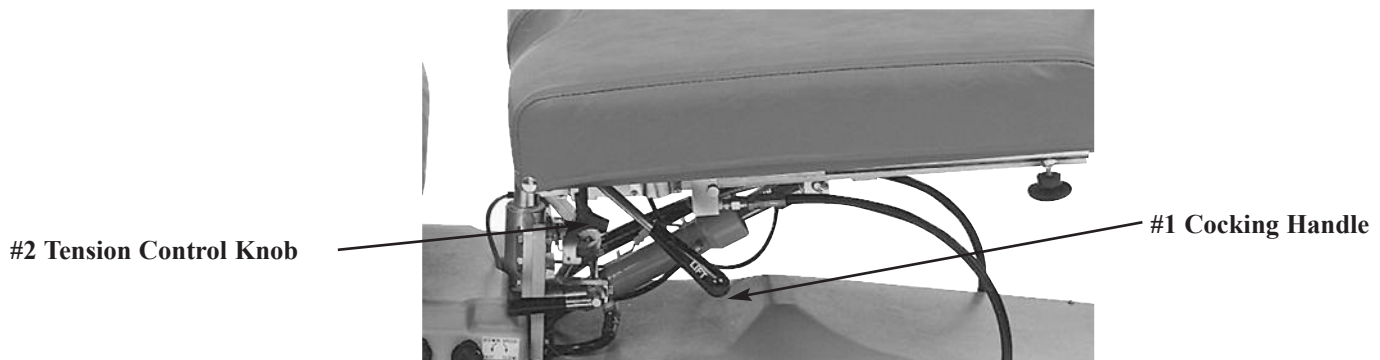
Left Side: Clockwise - Increase Tension Counterclockwise - Decrease Tension

** (Reference - Turning towards the Foot end tightens 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

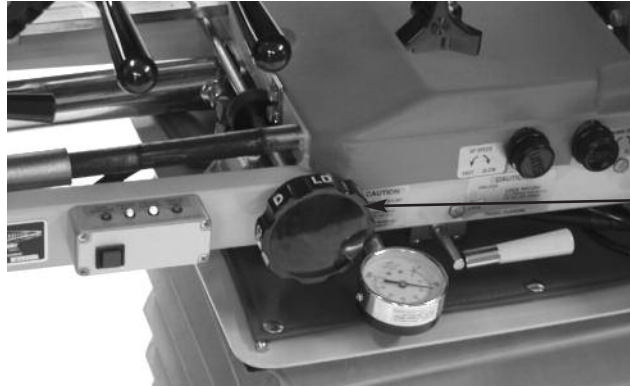
Left Side: Clockwise - Increase Tension Counterclockwise - Decrease Tension

** (Reference - Turning towards the Foot end tightens 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)

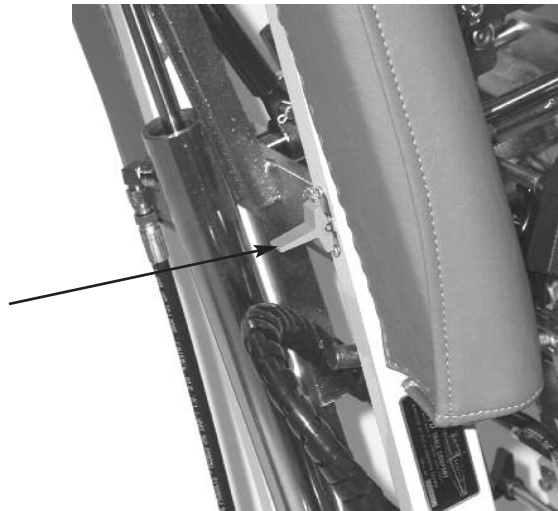
Note - Table is capable of performing a combination of drops - See Selector Knob Letter Reference Chart Below.

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 Switch

#1 Head & Chest
Extension - Retraction Switch



To Adjust the Height of Table:

The table must be in the vertical (Tilt) position, while the patient is standing on the foot plate, the switch is located on the frame underneath the left arm rest.

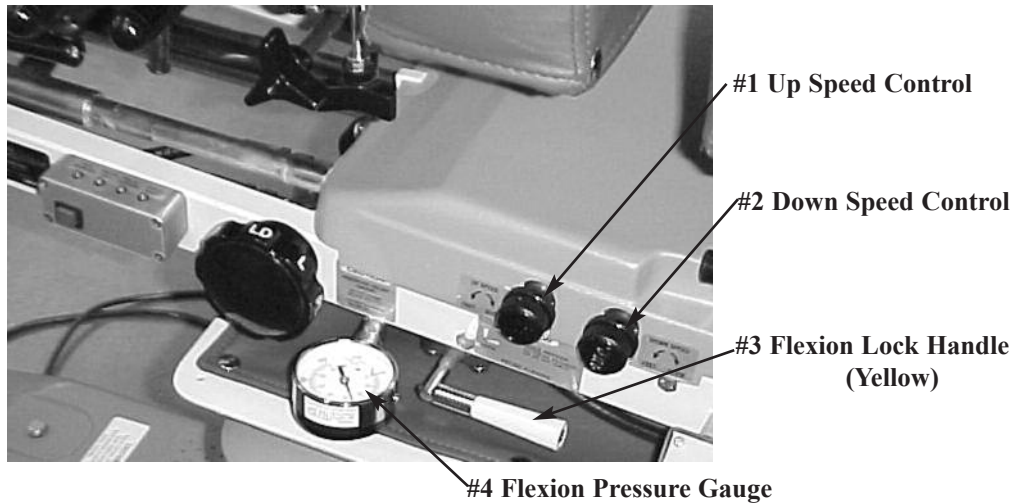
1. To extend the head and chest cushions, toggle switch towards the head end of the table.
2. To retract (shorten) the head and chest cushion, toggle switch towards the foot end of the table.

* Note - This Switch also deactivates the child safety feature.*

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.
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.

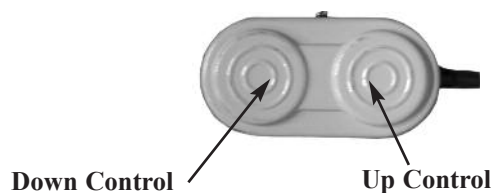
ALWAYS CHECK THE UP/DOWN SPEED OF THE PELVIC CUSHION BEFORE ADJUSTING THE PATIENT. SEE FLEXION SPEED CONTROL BELOW.



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.

2. The table will not tilt unless the pelvic cushion is returned to the level position (See Page 19).



Semi-Automatic Flexion - Speed Control

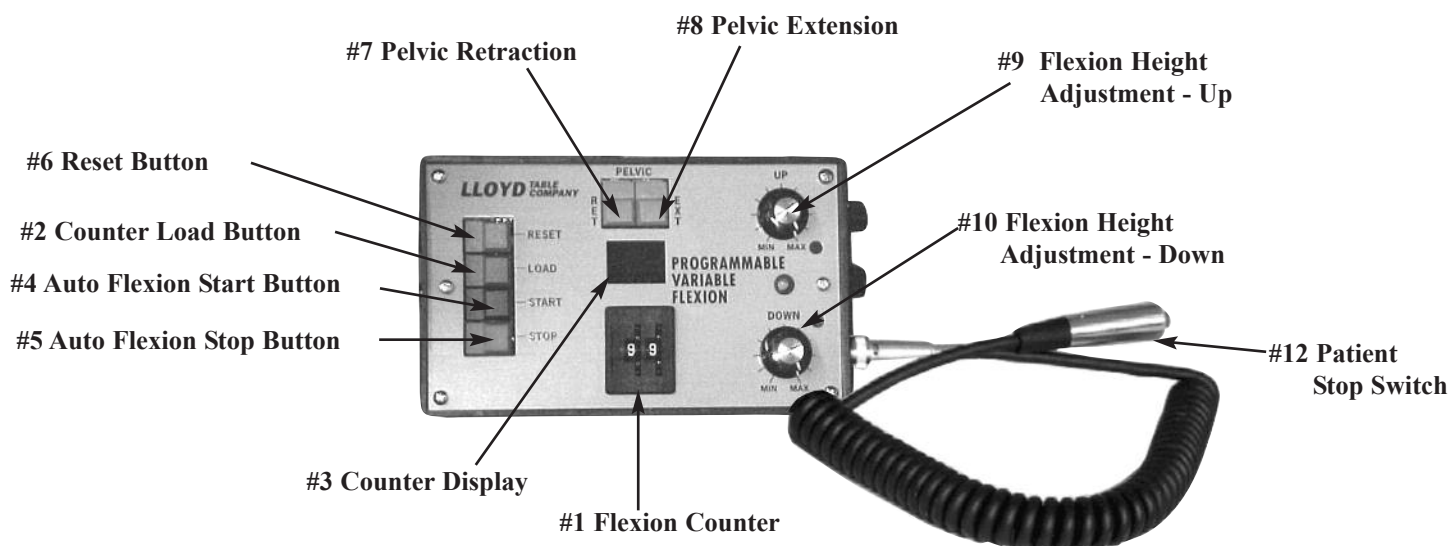
Up Speed Control: Turn the Up Speed Control (Page 12, No. 1) clockwise to decrease the flexion speed in the up motion.

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 (Optional Feature)

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 (#12) 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. (The table will not tilt unless the pelvic cushion is fully retracted - See Page 19)

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.

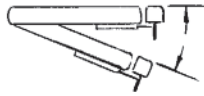


Fig. #1

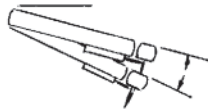


Fig. #2

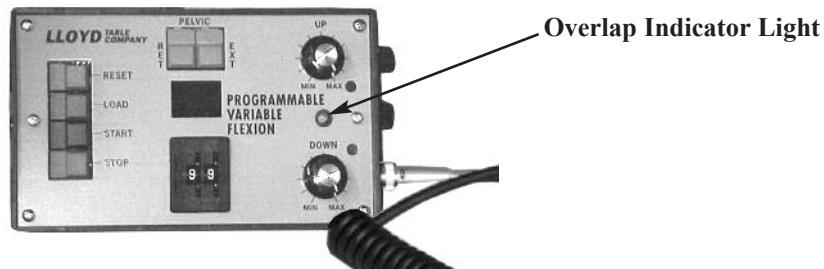


Fig. #3

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).

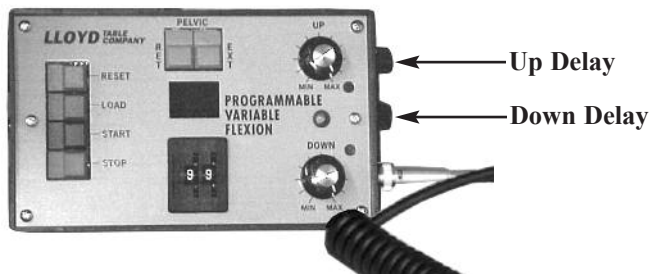
The pelvic flexion has been started, and you want to shorten up the stroke. You then turn the up control, back in a counterclockwise direction. When the knob is turned back, the flexion stroke gets shorter and shorter.

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

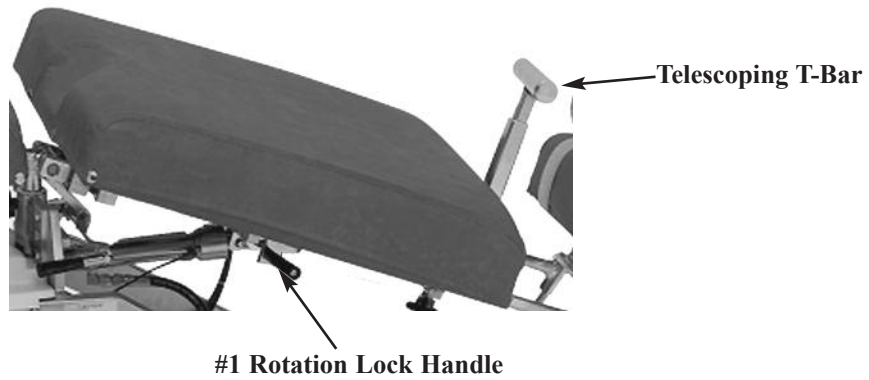
Lateral Side Bending
Lock / Unlock Handle



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. (The table will not tilt with this handle in the unlocked position, or if cushion is not centered.)

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.
3. Table will not tilt if lock handle is not locked securely see page 19.

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)

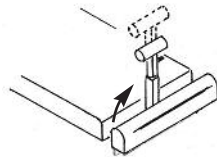


Fig. 1

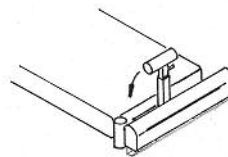


Fig. 2

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.
3. Table will not tilt with ankle rest cushion extended see page 19.

Vertical Ankle Rest

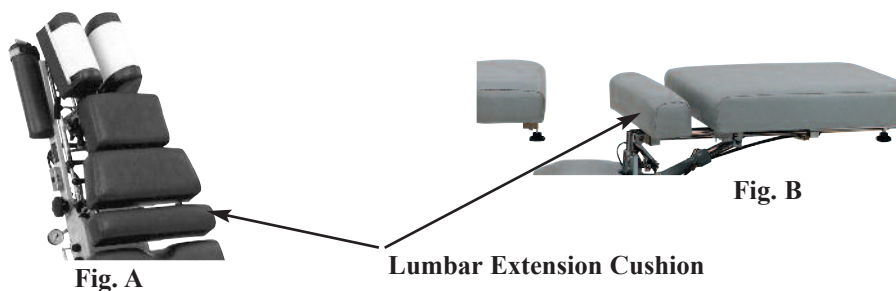
To Raise the Ankle Rest

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

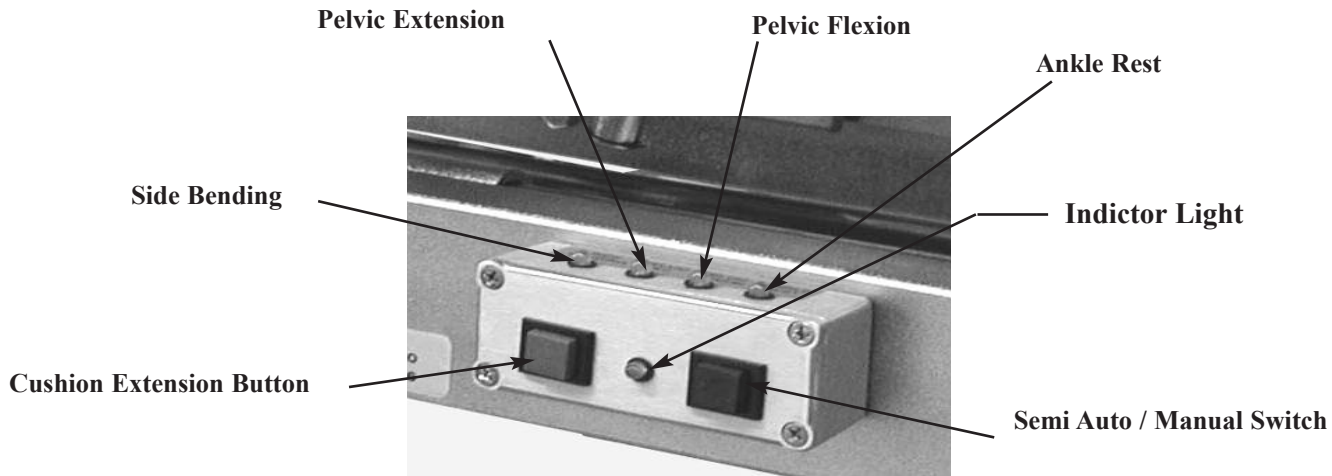
1. From the back end of the table, support the center of the Ankle Rest Cushion with the right hand.
2. With left hand, slide the Vertical Lock Lever (No. 2) towards the left side to release lock.
3. Lower the cushion to desired height, and release the Vertical Lock Lever to lock into place.

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) or upper pelvic section (B) as shown

Control / Indicator Box



Indicator Box

The four indicator lights on the control box represent a safety switch for four different operations. When any of the lights are illuminated, the table will not hylo up or down until that particular function(s) is secured in position and all lights are out. This prevents anyone from raising the table before securing the cushion and patient in the proper position.

Side Bending Light

This light indicates when the pelvic cushion is not centered and handle is not locked (Page 16).

- | | |
|------------------|---|
| Light Off | When the pelvic is locked in its center position, the light is off, indicating it's in the proper position. |
| Light On | When the pelvic is locked in any position other than center, the light will be illuminated. The Cushion must be moved back to the center position before raising or lowering the table in Hylo. |

Pelvic Extension Light

The light marked Pelvic - Ext. represents two safety switches: Pelvic Extension (Page 14) or Pelvic Rotation (Page 17)

- | | |
|---|---|
| Pelvic Extension | When the light is on, the pelvic cushion is extended. This indicates that the cushion needs to be retracted to its minimum length for the light to turn off. |
| Pelvic Rotation
is
turned, turns the light off | The safety switch for pelvic rotation operates off the lock handle. When the pelvic rotation is unlocked, the light will be on. Locking the cushion into its horizontal position, turns the light off (See Page 17 for Pelvic Rotation Instructions). |

Pelvic Flexion Light

This light indicates when the pelvic cushion is not level (Page 12 & 13).

- | | |
|------------------|--|
| Light Off | When the pelvic cushion is locked and in level position, the light is off, indicating it's in the proper position. |
| Light On | When the cushion is in either the up or down position, the light will be illuminated. The pelvic cushion must be brought in a level position before raising or lowering the table in the Hylo operation. |

Control / Indicator Box

Ankle Rest Light

The ankle rest safety switch is secured, by sliding cushion forward and locking into position (Page 18).

Cushion Extension Button

The Cushion Extension switch is used to move head, chest, and pelvic cushions at once. This allows the cushions to maintain the same patient spacing, while shuttling the patient forward and to provide foot clearance with the foot plate when raising the table to vertical position (tilted).

Semi Auto/Manual Button

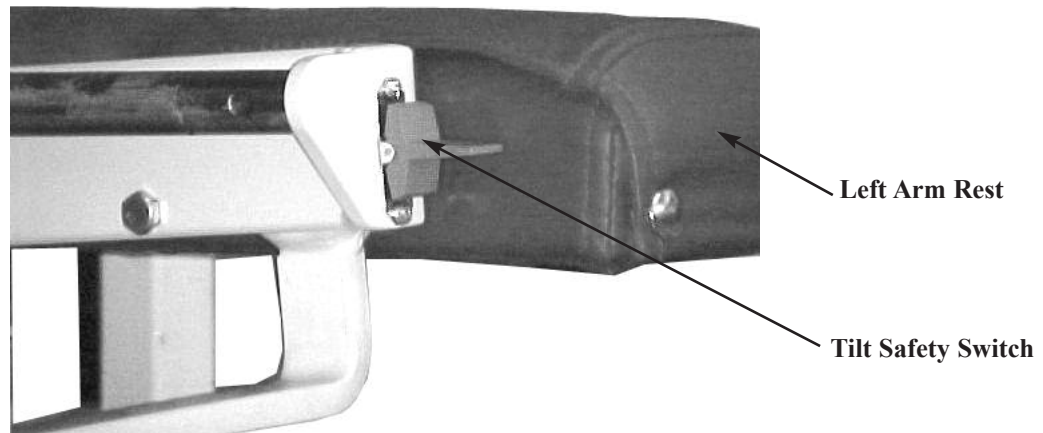
This button is the mode switch for setting the Foot Pedal Control (page 21), in a Semi Auto or Manual mode.

Semi Auto Mode- Indicator light is on in the semi auto mode. The foot pedal only has to be monetarily pressed to activate the table, then released. The table will continue to run thru its hyllo position until it reaches the minimum or maximum height.

The table can be stopped at anytime, by pressing the pedal a second time.

Manual Mode- The indictor light is off in the manual mode. The foot pedal will only be activated when held down, and the table will stop at any point when the pedal is released.

Tilt Safeguard



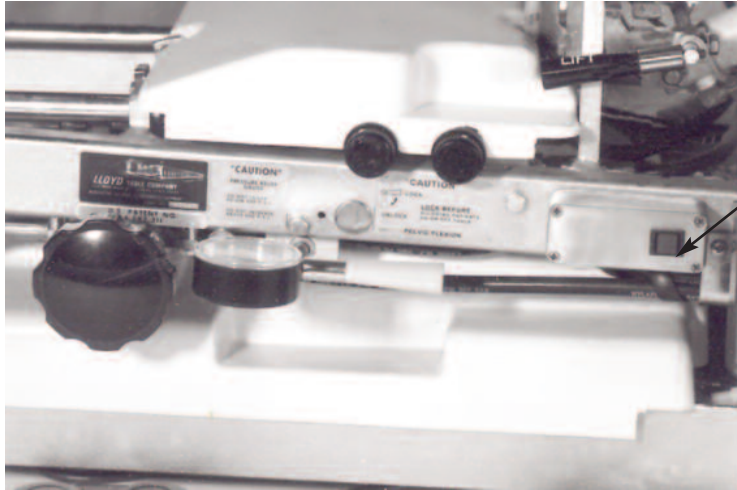
Tilt Safety Switch

The tilt safety switch is designed to prevent unauthorized operators from lowering the table from a Vertical position. The table cannot be lowered until the tilt Safety Switch or Extension Retraction (Page11) switch is activated.

The switch is located (shown above) on the left side, behind the arm rest cushion. By toggling the switch in either direction for just a second, the operator will have an estimated thirty seconds to lower the table from the vertical position.

When the table has reached its vertical position it can be lowered, within a period of thirty seconds, without activating the tilt safety switch. Just depress the directional foot pedal (within the thirty second time frame) to lower table.

PELVIC EXT. - RET. SWITCH



Ext.-Rect. Toggle switch

PELVIC EXT. - RET. SWITCH

This switch controls the operation of extending and retracting pelvic flexion cushion.

Pelvic Extension By pushing the toggle switch toward the ankle rest, the cushion will extend away from the chest cushion.

Pelvic Retraction By pushing the toggle switch toward the head end of the table. The cushion will retract toward the chest cushion.

Foot Pedal Control

Directional Pedal (Black)

The directional pedals control the table's hyl0 operation.

Operation of raising and lowering is dependent on which side of the pedal is activated.

The directional pedals can be operated in manual and auto mode (Page 19).



Hyl0 This operation works in relation to the four safety switches indicated on the control box (Page 19), and the tilt safeguard (Page 20). These design functions are safety controls preventing the table from lowering from the hyl0 position.

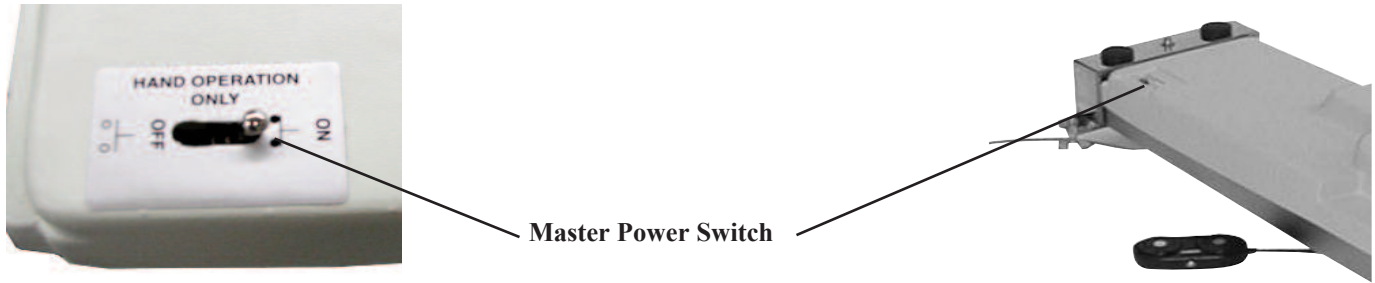
Corded Side - Lowers the table from Vertical to Horizontal.



Non - Corded Side - Raises table from Horizontal to Vertical.



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.

- A. ON is indicated with solid circle
- B. OFF is indicated with open circle

! 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: TABLE MUST BE UNPLUG AND TURNED OFF AT THE POWER SWITCH BEFORE REPLACING FUSES. REPLACEMENT FUSES MUST BE SLOW BLOW OR TIME DELAY TYPE.

110 volt Tables

#36360 1/4 x 1 1/4 6 amp 110v power

#36335- 1/4 x 1 1/4 1 amp 24v Transformer Transformer

#36325- 1/4 x 1 1/4 .25 amp 5v Power Supply

100 volt Tables

#36370- 1/4 x 1 1/4 8 amp 11v Power

#36340- 1/4 x 1 1/4 2 amp 24v Transformer

#36320- 1/4 x 1 1/4 .5 amp 5v Power Supply

220 volt Tables

#36352-1/4 x 1 1/4 4 amp 220v Power

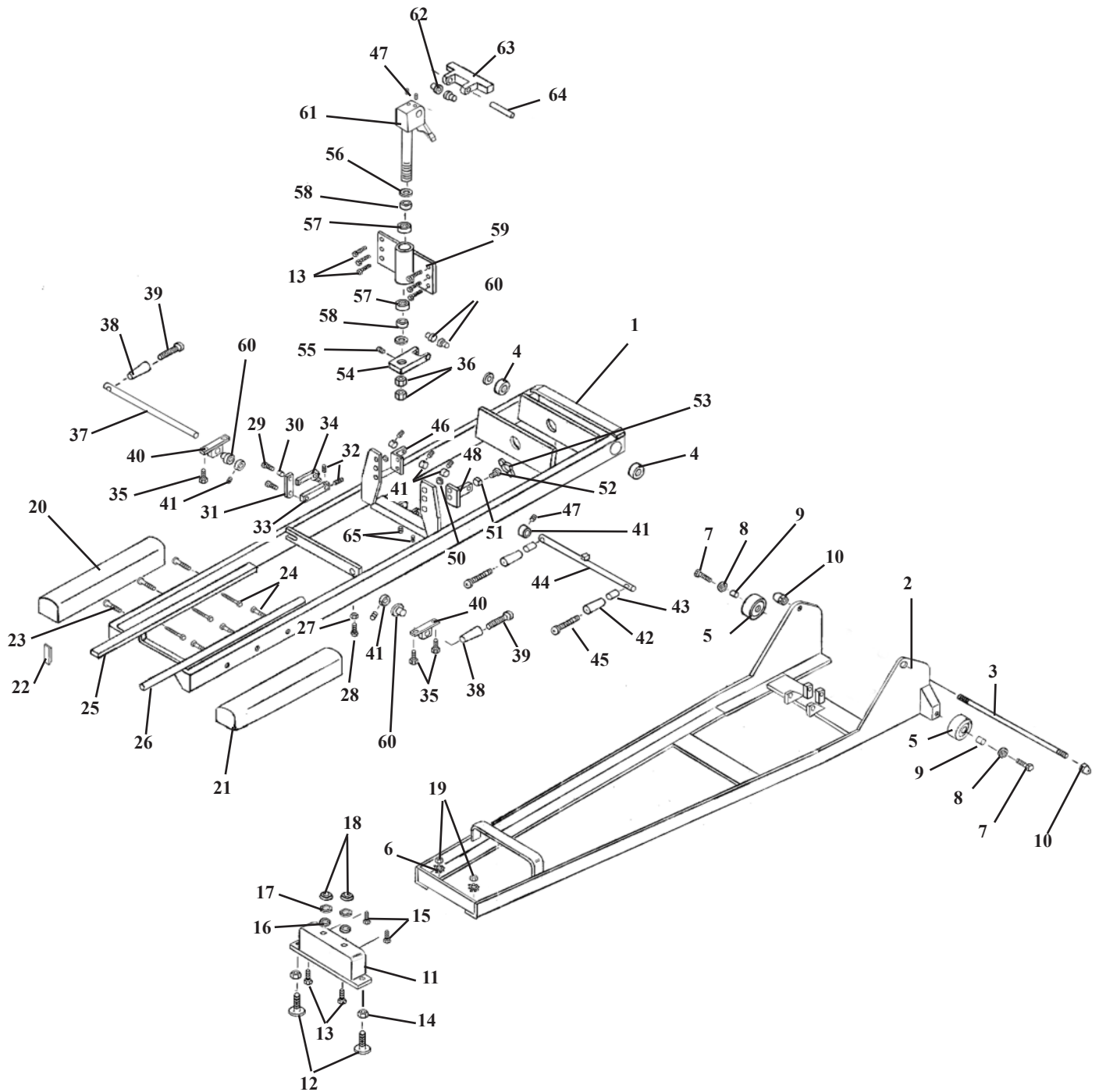
#36333- 1/4 x 1 1/4 .75 amp 24v

#36322- 1/4 x 1 1/4 .125 amp 5v Power

MATERIALS &



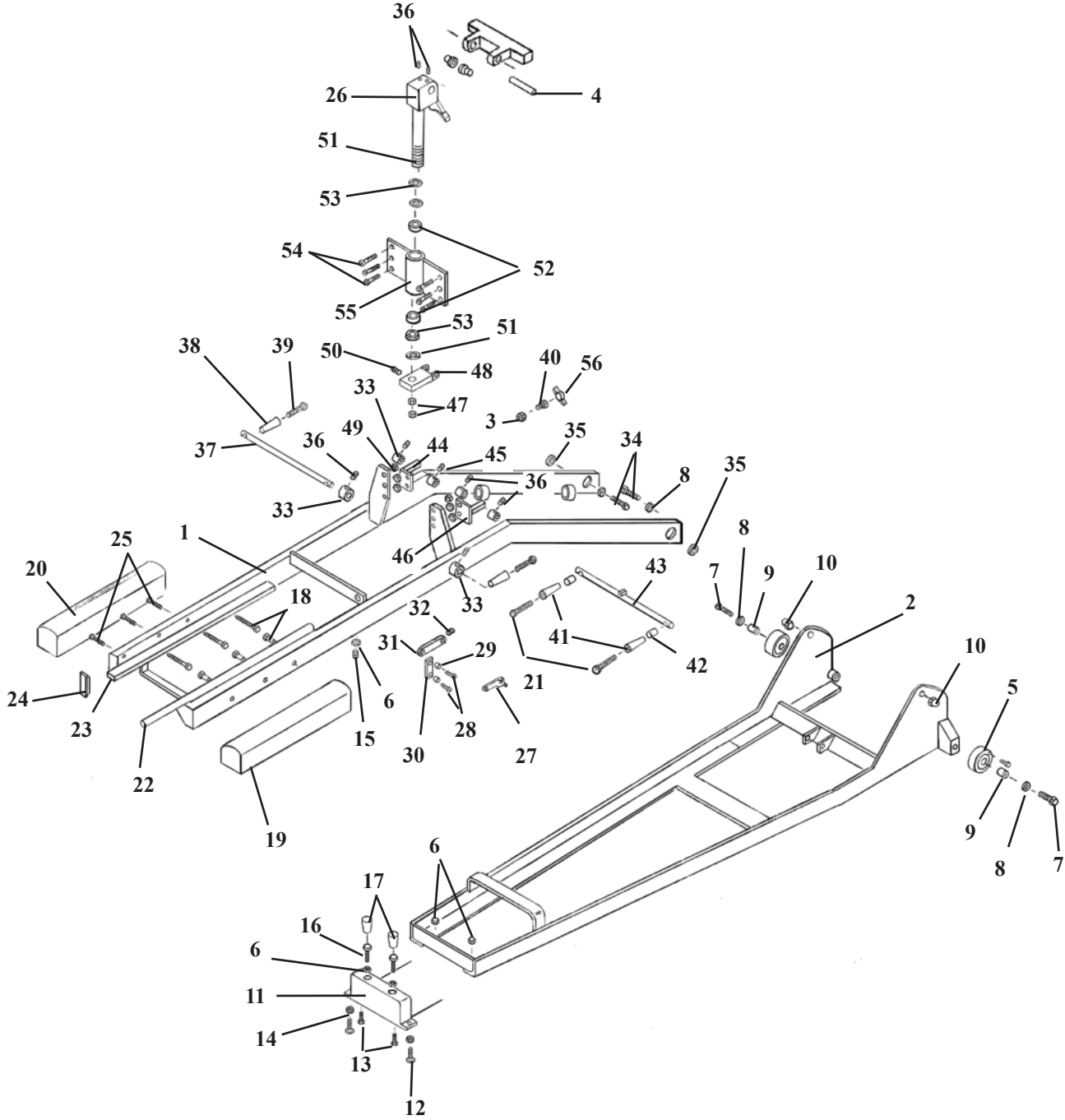
22" McMANIS HYLO FRAME ASSEMBLY



22" McMANIS HYLO FRAME ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.
1	58734	HYLO FRAME ASSEMBLY 22"	1
2	58739	BASE FRAME ASSEMBLY 22"	1
3	58766	SUPPORT ROD, ½ RD X 13 1/8	1
4	22820	BALL BEARING, ½ RD.	2
5	24430	WHEEL, PLASTIC	2
6	21755	WASHER STAR, 5/16"	2
7	20532	BOLT, HEX. HD. ½-20NF X 2	2
8	21912	WASHER, FLAT, PLASTIC, .516 ID X 1 1/4 OD	2
9	50070	BUSHING, WHEEL, ½ ID X 5/8 OD	2
10	21310	NUT, CAP, ½-20NF	2
11	55050	BASE CAP AS'Y	1
12	20373	BOLT, ELEVATOR, 3/8-16NC X 1 ½	2
13	20222	BOLT, HEX. HEAD, 5/16-18NC X 1 ¼	8
14	21210	NUT, HEX. 3/8-16NC	2
15	20007	BOLT, NUT HEAD, ¼-20NC X 5/8	2
16	21860	WASHER, FLAT, 7/16ID X 1OD	2
17	56774	SPACER, 1 ¼ OD X 1/8	2
18	24409	CRUTCH PAD	2
19	21112	NUT, HEX, 5/16-18NC	2
20	40030	ARM REST CUSHION (RH)	1
21	40010	ARM REST CUSHION (LH)	1
22	24417	END CAP	1
23	20054	BOLT, HEX. HD. ¼-20NC X 2	3
24	22085	SCREW, LAG, HEX. HD. ¼ X 3	6
25	55574	GUIDE RAIL, 3/8 X 1 X 23 ½	1
26	58790	SLIDE ROD, 23/32 RD. X 24 3/16	1
27	21110	NUT, JAM, 5/16-18NC	1
28	22240	SCREW, SET. SQ. HD 5/16-18NC X 1	1
29	21995	SCREW, MACHINE, PAN HD. #10-24NC X ½	2
30	22860	BUSHING, 3/16 ID X ¼ OD	2
31	58118	LINKAGE BAR, 1/8 X ½ X 2 15/16	1
32	22113	SET SCREW, ¼-20NC X 3/8	1
33	58788	LINKAGE BAR, 3/8 X 5/8 X 3 7/8	1
34	58090	VALVE HANDLE	1
35	20120	BOLT, HEX. HD. ¼-28NF X 1	4
36	21214	NUT, HEX. 5/8-18NF	2
37	58081	ROD, CONTROL, VALVE, 3/8RD X 14	1
38	24021	CONTROL HANDLE (Yellow)	2
39	22050	SCREW, MACHINE, RD. HD. ¼-20NC X 2 ½	2
40	57395	SUPPORT BLOCK	2
41	22912	COLLAR, 3/8 ID	6
42	24020	LOCK HANDLE, (BLACK)	2
43	52192	HANDLE EXTENSION ¼ ID X 9/16 OD X 1	2
44	58199	LOCK ROD ASSEMBLY	1
45	20129	BOLT, SOCKET HD. ¼-20NC X 3 ½	2
46	58385	SUPPORT BRACKET ASSEMBLY (RH)	1
47	22110	SET SCREW, ¼-20NC X ¼	7
48	58386	SUPPORT BRACKET ASSEMBLY (LH)	1
49	22120	SET SCREW, ¼-20NC X ½	2
50	21112	NUT, HEX. 5/16-18NC	2
51	58183	ACETAL SPACER, ¼ RD X 1/8	1
52	22071	SCREW, SOCKET HD. 5/16-18NC X 3/8	1
53	24013	TEE HANDLE	1
54	58024	SWIVAL BLOCK ASSEMBLY	1
55	22164	SET SCREW, ¼-28NF X 5/8	1
56	21959	WASHER, FLAT, PLASTIC, .655 ID X 1 ½ OD	2
57	22800	BEARING RACE, 1 3/8 OD	2
58	22835	ROLLER BEARING, 5/8 ID	2
59	58003	PEDESTAL ASSEMBLY	1
60	22883	FLANGE BUSHING, OILITE, 3/8 ID X ½ OD X 3/8	4
61	58785	ROTATION LOCK ASSEMBLY	1
62	22888	BRASS BUSHING, ½ ID X 5/8 OD X ¼	4
63	58778	YOKE BLOCK ASSEMBLY	1
64	58151	LINKAGE ROD	1
65	22160	SET SCREW, ¼-28NF X ¼	2

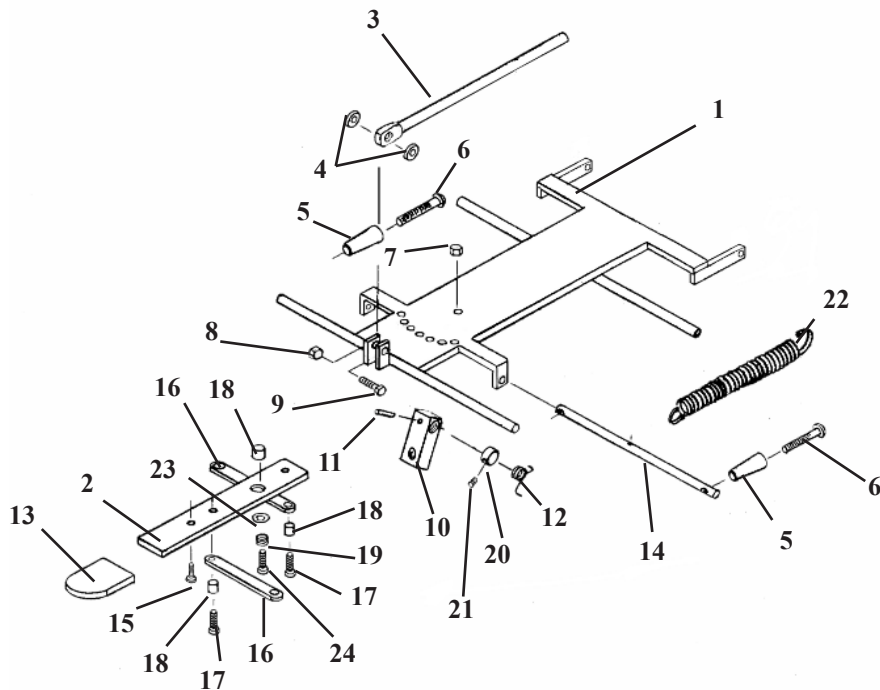
24" MCMANIS HYLO FRAME ASSEMBLY



24" MCMANIS HYLO FRAME

ITEM	PART NO.	DESCRIPTION	QTY.
1	58736	HYLO FRAME ASS'Y	1
2	58724	BASE FRAME ASS'Y	1
3	58183	SPACER, 1/4 X 1/8	1
4	58151	CONNECTING ROD	1
5	24430	PLASTIC WHEEL	2
6	21110	JAM NUT, 5/16-18UNC	3
7	20542	HEX HD. BOLT, 1/2 20 NF X 2 1/4	2
8	21910	FLAT WASHER, 1/2 ID X 1.00 OD	4
9	50070	WHEEL BUSHING, 1/2 ID X 58 OD	2
10	21310	CAP NUT, 1/2 20 NF	2
11	55050	BASE CAP	1
12	20373	BOLT ELEVATOR, 3/8 16 NC X 1 1/2	2
13	20220	HEX HD. BOLT, 5/16 18 NC X 1.00	2
14	21210	HEX HD. NUT, 3/8 16 NC	2
15	22240	SET SCREW, SQ. HD, 5/16-18 NC X 1	1
16	20240	BOLT, ELEVATOR, 5/16-18 NC 1 3/4	2
17	24410	CRUTCH PAD	2
18	22085	HEX HD. SCREW LAG, 1/4 X 3.00	6
19	40030	ARM REST (LH)	1
20	40010	ARM REST (RH)	1
21	20129	BOLT, SOCKET HD. BOLT, 1/4 20 NC X 3 1/2	2
22	58790	SLIDE ROD, 23/32 RD. X 24 3/16	1
23	55574	GUIDE RAIL, 3/16 X 1 X 23 1/2	1
24	24418	END CAP	1
25	22031	SCREW, MACHINE, SOCKET HD. 1/4-20 NC X 1 1/4	3
26	58785	ROTATION LOCK ASS'Y	1
27	58090	VALVE HANDLE	1
28	21995	SCREW, MACHINE, PAN HD. #10 24 NC X 1/2	2
29	22860	BUSHING 3/16 ID X 1/4 OD	2
30	58118	LINKAGE BAR 1/8 X 1/2 X 3.00	1
31	58089	LINKAGE BAR, 3/8 X 5/8 X 2 5/16	1
32	22113	SET SCREW, 1/4 20 NC X 3/8	1
33	22912	COLLAR, 3/8ID	6
34	20510	BOLT, HEX HD. 1/2-20 NC X 1 1/4	2
35	22820	BALL BEARING, 1/2 ID	2
36	22110	SET SCREW, 1/4-20 NC X 1/4	7
37	58081	CONTROL ROD	1
38	24021	HANDLE (YELLOW)	2
39	22050	RD HD. MACHINE SCREW, 1/4 20 NC X 2 1/2	4
40	22071	SCREW. SOCKET HD. 5/16-18 UNC X 3/8	1
41	24020	HANDLE (BLACK)	2
42	52192	HANDLE EXTENSION, 1/4 ID X 9/16 OD X 1.00	2
43	58199	LOCK ROD ASS'Y	1
44	58385	SUPPORT BRACKET ASS'Y (RH)	1
45	22120	SET SCREW, 1/4-20 NC X 1/2	1
46	58386	SUPPORT BRACKET ASS'Y (LH)	1
47	21214	HEX NUT 5/8 18 NF	2
48	58024	SWIVEL BLOCK ASS'Y	1
49	21112	HEX NUT, 5/16 18 NC	2
50	22162	SET SCREW, 1/4 28 NF X 5/8	1
51	21959	FLAT WASHER, .655 ID X 1 1/2 OD	2
52	22800	BEARING RACE, 1 3/8 OD	2
53	22835	BEARING ROLLER, 5/8 ID	2
54	20222	HEX HD. BOLT, 5/16 18 NC X 1 1/4	6
55	58003	PEDESTAL ASS'Y	1
56	24013	TEE HANDLE CAP	1

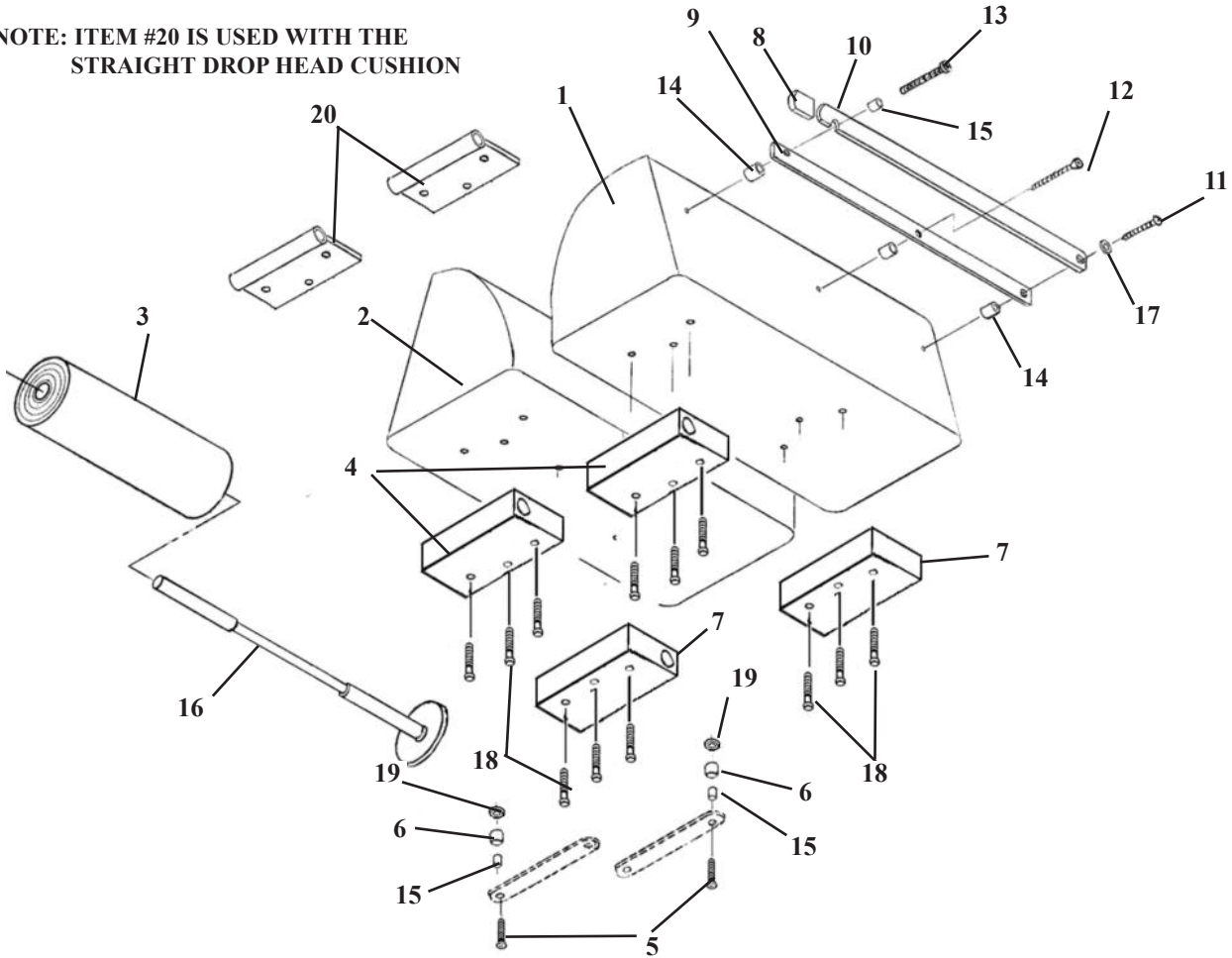
DELUXE HEAD FRAME ASS'Y



ITEM	PART NO.	DESCRIPTION	QTY.
1	56051	FASTER 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	TROSION 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	57181	BUSHING, .465 ID X .562 OD X .593	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 HE. MACHINE SCREW, #10-24 UNC X 3/4	1

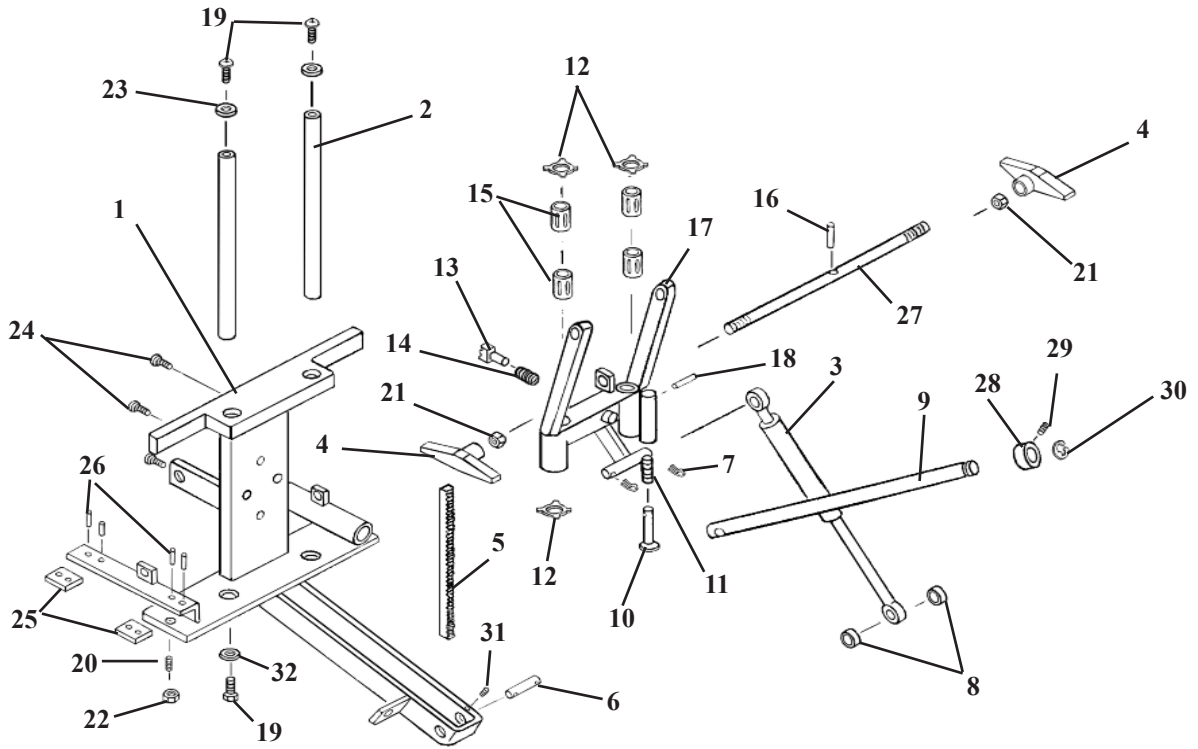
DELUXE HEAD CUSHION ASS'Y

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



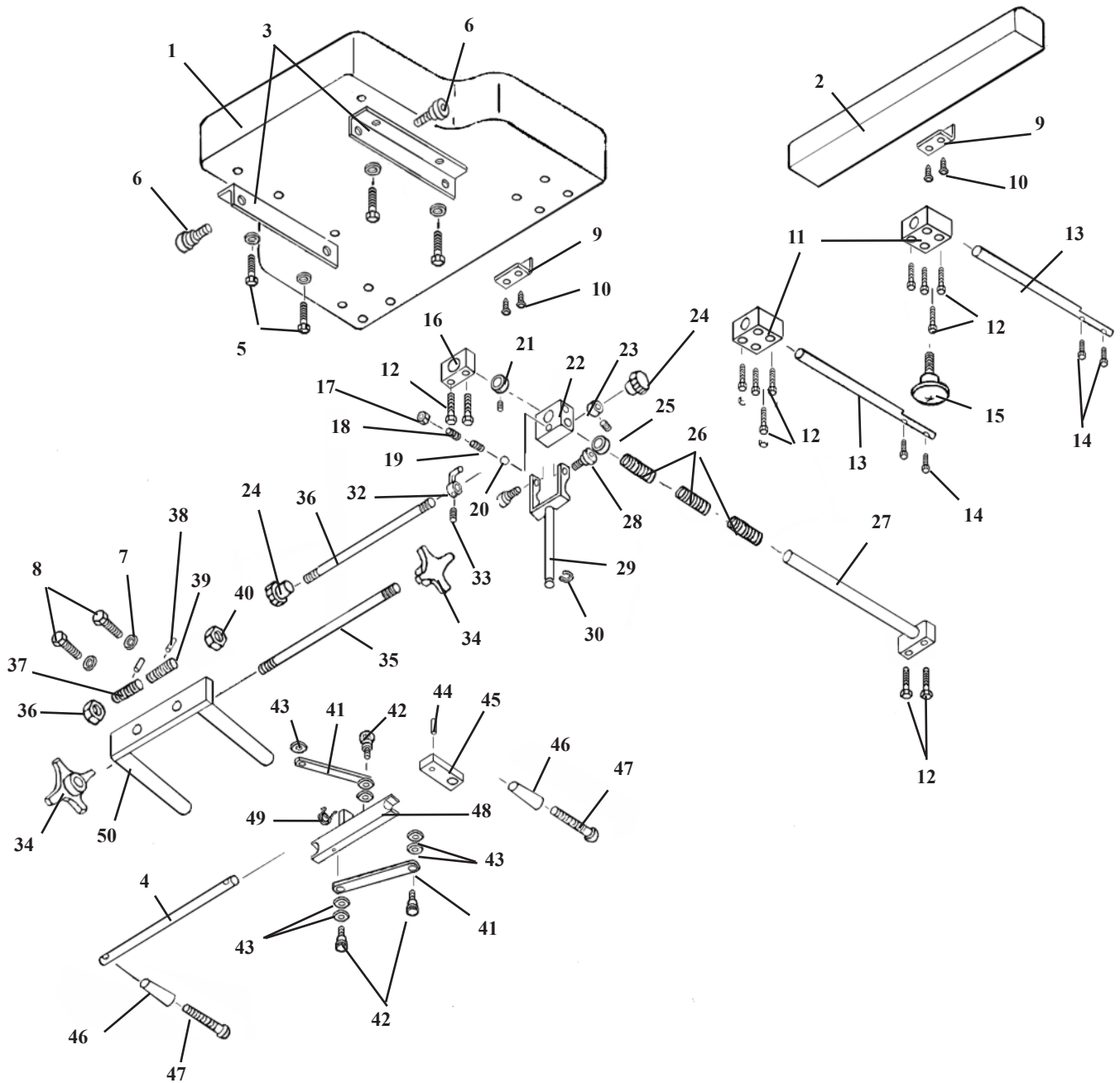
I-FRAME ASSEMBLY

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	4
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

CHEST CUSHION ASS'Y

SPRING BREAKAWAY - ADJUSTABLE TENSION

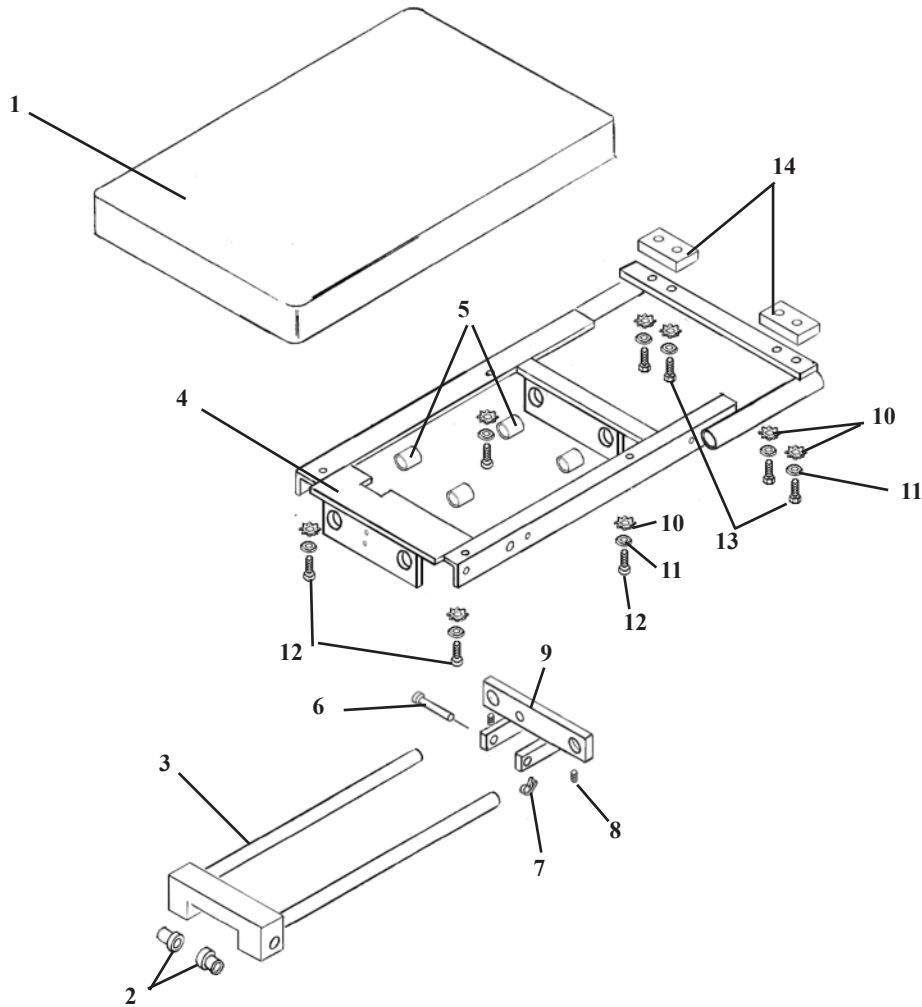


CHEST CUSHION ASS'Y

SPRING BREAKAWAY - ADJUSTABLE TENSION

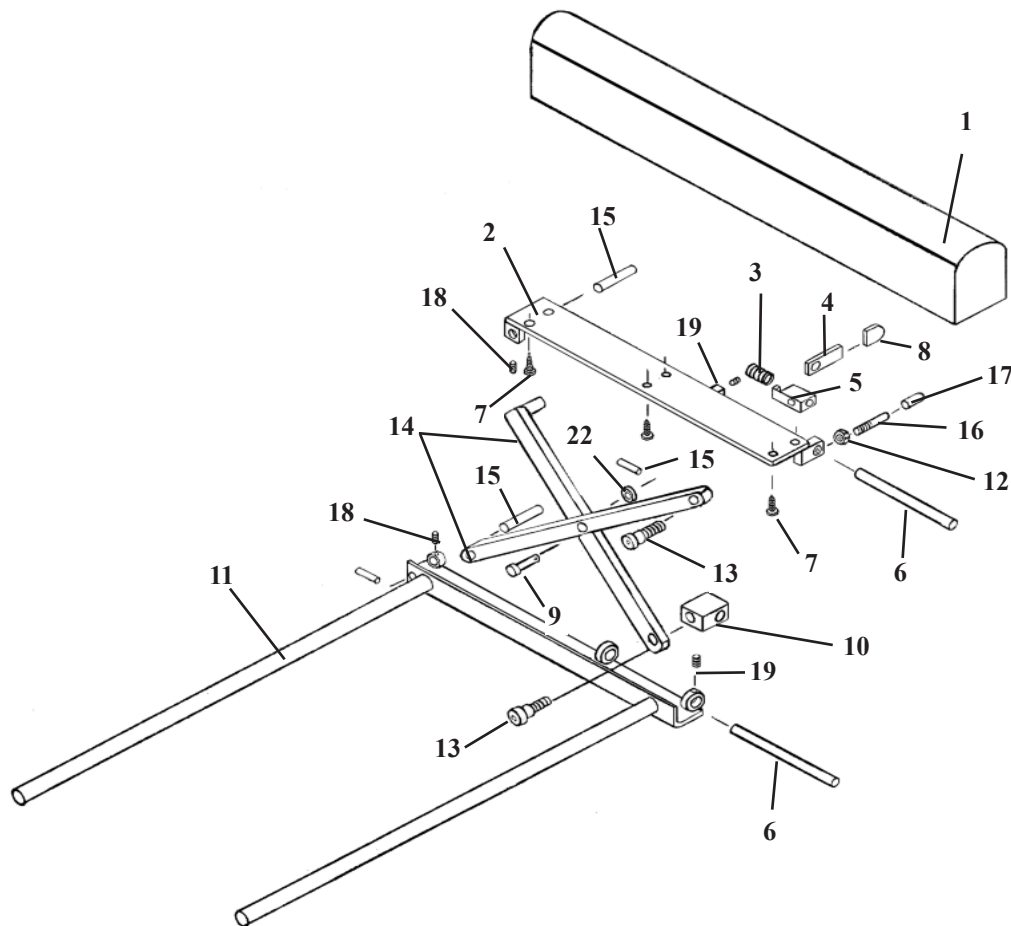
ITEM	PART NO.	DESCRIPTION	QTY.
1A	40210	CUSHION, CHEST – STANDARD	1
1B	40230	CUSHION, CHEST – WIDE	1
2A	40290	CUSHION, EXTENSION – STANDARD	1
2B	40291	CUSHION, EXTENSION – WIDE	1
3	56416	BRACE, CUSHION 1/8 x 1 1/4 SQ.. x 6	2
4	51230	ROD, ADJUSTMENT	1
5	20022	BOLT, HEX HEAD, 1/4 - 20 NC X 1	6
6	20361	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



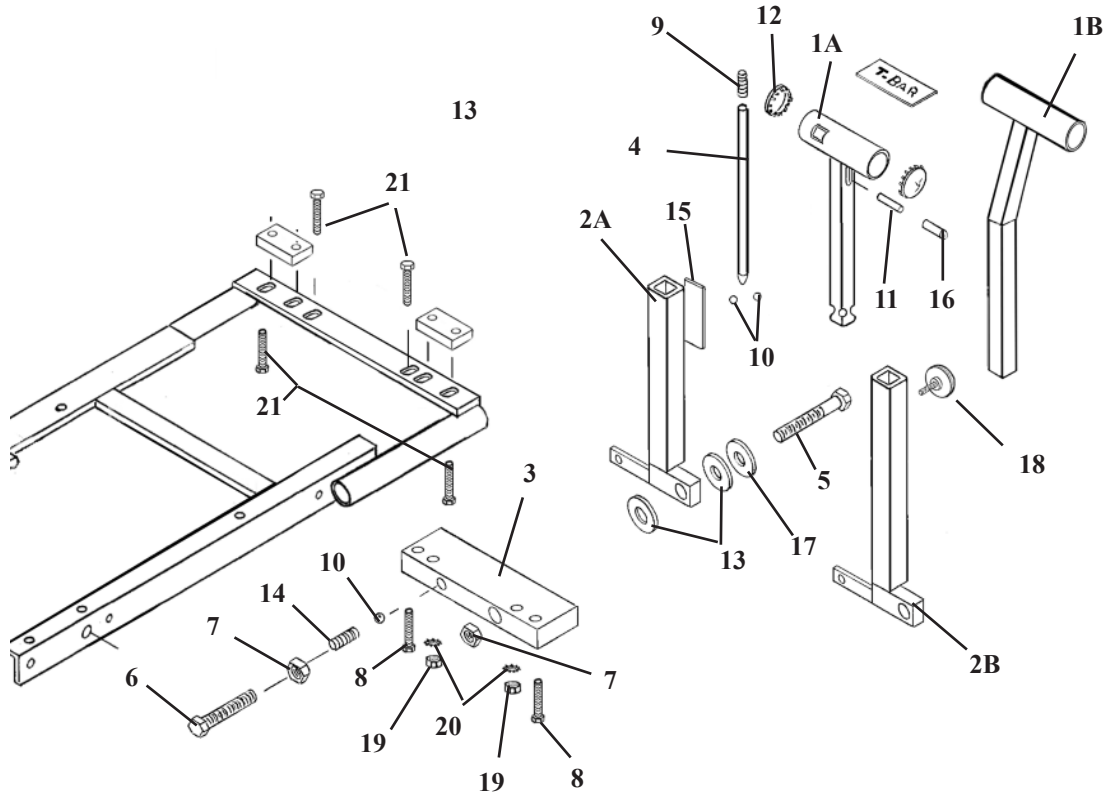
ITEM	PART NO.	DESCRIPTION	QTY.
1	40292	PELVIC CUSHION ASS'Y	1
2	22888	CAP BUSHING, BRASS	2
3	58542	GUIDE FRAME ASS'Y	1
4	58527	CARRIAGE FRAME ASS'Y	1
5	22850	BUSHING, NYLON, 3/4 ID X 7/8 OD X 3/4	4
6	22615	CLEVIS PIN, 5/16 X 2	1
7	22639	COTTER PIN, 3/32 X 1/2	1
8	22250	SET SCREW, 5/16-24 UNF X 1/2	3
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

ANKLE REST ASS'Y ADJUSTABLE HEIGHT



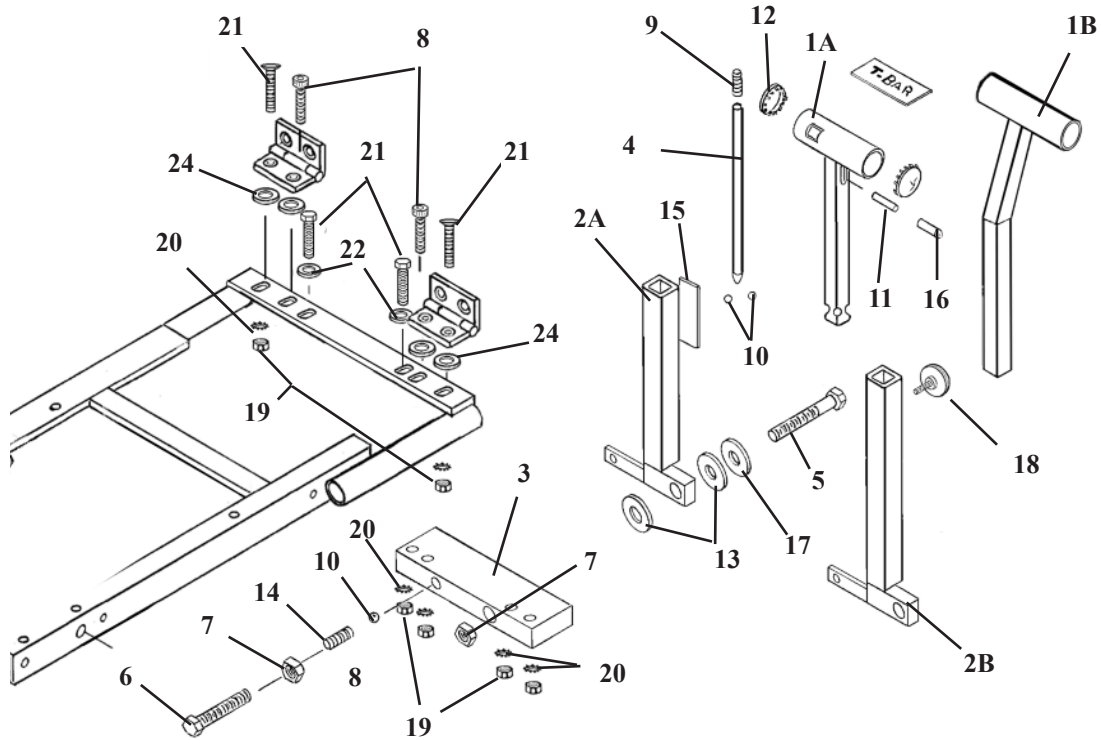
ITEM	PART NO.	DESCRIPTION	QTY.
1	40410	ANKLE REST CUSHION	1
2	56507	BASE PLATE	1
3	30774	COMPRESSION SPRING	1
4	56519	LOCK HANDLE	1
5	56525	GUIDE BLOCK	1
6	56518	GUIDE ROD	2
7	22468	SCREW, WOOD, RD HEAD, #10 X 7/8	6
8	24236	GUARD, TEE HANDLE	1
9	22610	CLEVIS PIN, 5/16 RD. X 7/8	1
10	56539	GUIDE BLOCK	1
11	54203	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	56520	SUPPORT PIN, 5/6 RD. X 1.90	2
16	52190	EXTENSION ROD	1
17	24415	PLASTIC CAP	1
18	22090	SET SCREW, # 10 - 32 UNF X 3/16	3
19	22110	SET SCREW, 1/4 - 20 UNC X 1/4	3

T-BAR ASS'Y STANDARD PELVIC



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 1/4	1
6	20503	HEX HD. BOLT, 7/16-14 UNC X 1 1/4	1
7	21290	HEX NUT, 7/16-14 UNC	2
8	20054	HEX HD. BOLT, 1/4-20 UNC X 2	2
9	30732	COMPRESSION SPRING, 1/4 ID X 1 3/8	1
10	22700	STEEL BALL, 3/8	2
11	52190	COCKING PEG, 1/4 RD. X 1 1/4	1
12	24413	CAP	2
13	21912	FLAT WASHER, PLASTIC, 1/2 ID X 1 1/4 OD	2
14	30721	COMPRESSION SPRING	1
15	31160	STICKER	1
16	24415	END CAP	2
17	21910	FLAT WASHER, 1/2 ID X 1 OD	1
18	24181	LOCK KNOB	1
19	21010	HEX NUT, 1/4-20 UNC (DROP PELVIC)	2
20	21630	STAR WASHER, 1/4 ID	2
21	20027	HEX. HD. BOLT 1/4-20 UNC X 1 1/2	2

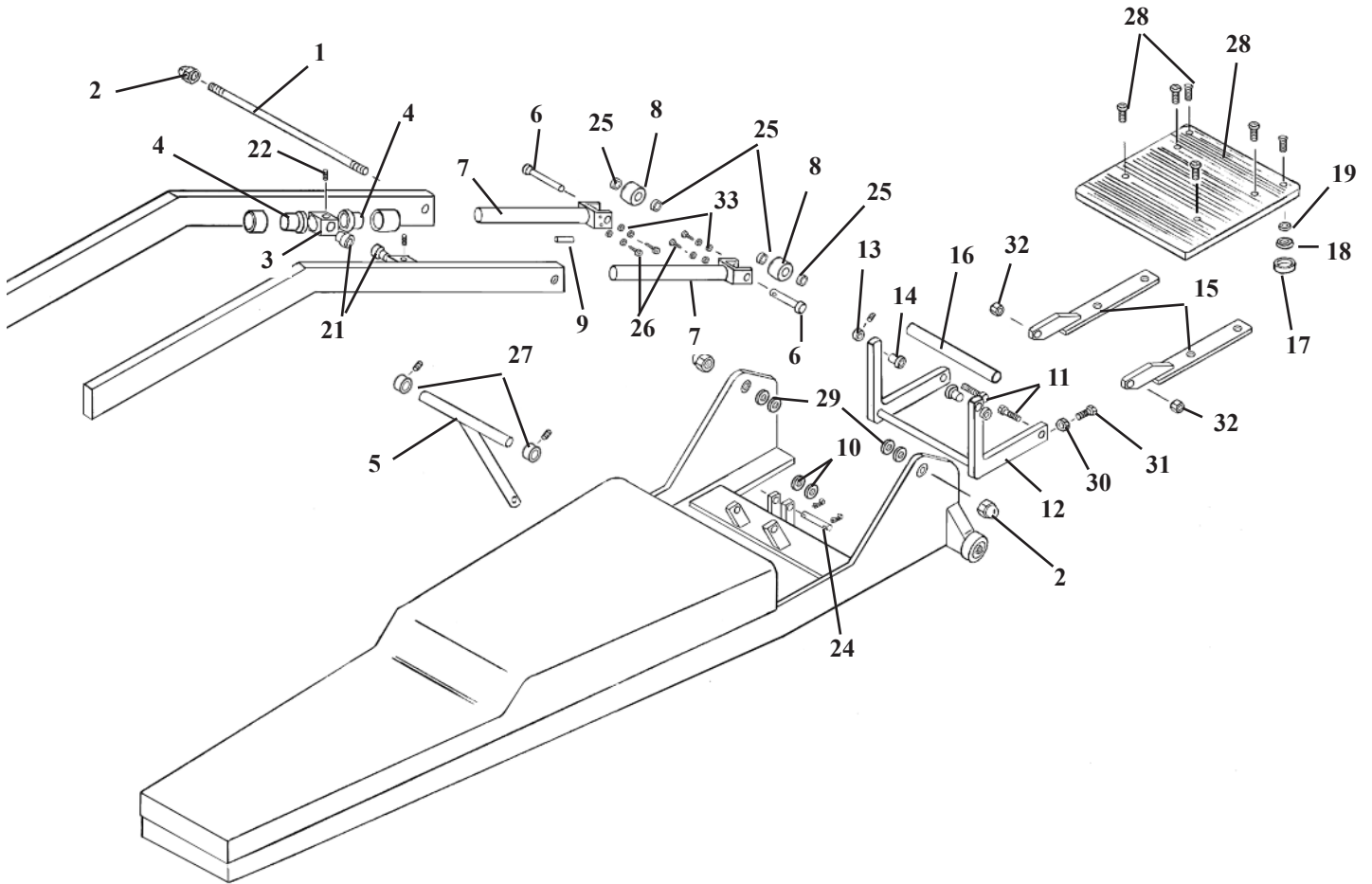
T-BAR ASS'Y T-DROP PELVIC



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 1/4	1
6	20503	HEX HD. BOLT, 7/16-14 UNC X 1 1/4	1
7	21290	HEX NUT, 7/16-14 UNC	2
8	22036	SOCKET HD. BOLT, 1/4-20 UNC X 1 1/2	2
9	30732	COMPRESSION SPRING, 1/4 ID X 1 3/8	1
10	22700	STEEL BALL, 3/8	2
11	52190	COCKING PEG, 1/4 RD. X 1 3/4	1
12	24413	CAP	2
13	21912	FLAT WASHER, PLASTIC, 1/2 ID X 1 1/4 OD	2
14	30721	COMPRESSION SPRING	1
15	31160	STICKER	1
16	24415	END CAP	2
17	21910	FLAT WASHER, 1/2 ID X 1 OD	1
18	24181	LOCK KNOB	1
19	21010	HEX NUT, 1/4-20 UNC	6
20	21630	STAR WASHER, 1/4 ID	6
21	20027	HEX. HD. BOLT 1/4-20 UNC X 1 1/2	2
22	21630	FLAT WASHER, 1/4 ID X OD	2
23	22030	FLAT HD. MACHINE SCREW, 1/4-20 UNC X 1	2
24	21710	FLAT WASHER, 5/16 ID X .688 OD	2

FOOT PLATE ASS'Y

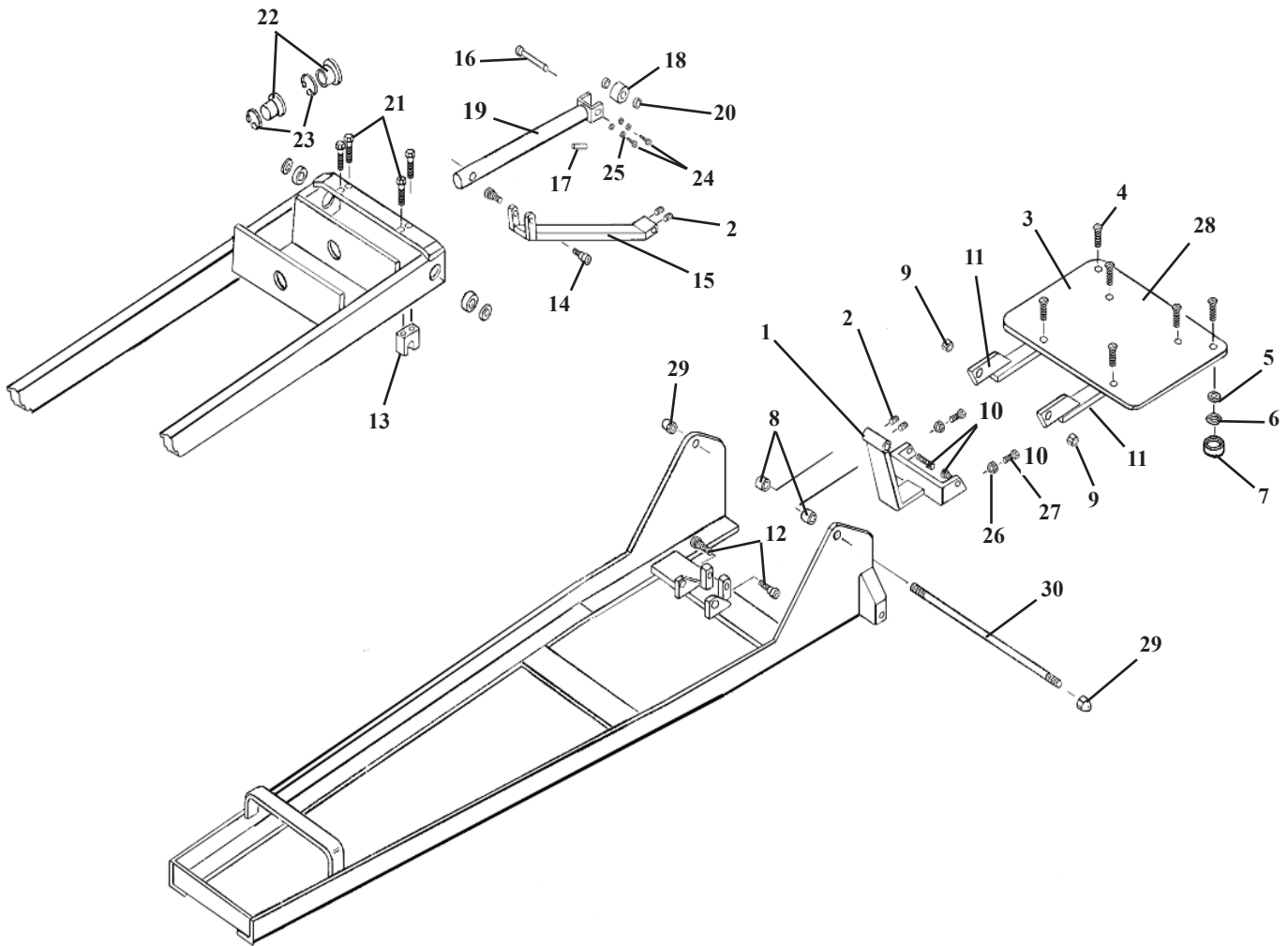
24" McMANIS HYLO



ITEM	PART NO.	DESCRIPTION	QTY.
1	58766	SUPPORT ROD, 1/2 RD X 13 1/8	1
2	21310	CAP NUT, , 1/2 - 20 U NF	2
3	58781	GUIDE COLLAR	2
4	22857	BUSHING, 1 1/4 ID X 1 1/2 OD X 1	4
5	58735	TEE ROD	1
6	22690	CLEVISPIN, 3/8 RD X 1 3/4	2
7	58725	SLIDE ROD ASSEMBLY	2
8	55252	ROLLER. 1 1/2 RD X 1 1/8	2
9	22676	ROLL PIN, 5/32 X 1,	2
10	21850	WASHER. PLASTIC, 3/8 ID X 1 OD	2
11	20332	BOLT, HEX HEAD, 3/8 - 16 NC X 1	2
12	58763	CRADLE ASSEMBLY, FOOTPLATE	1
13	22915	SET COLLAR, 1/2 ID X 1 OD	2
14	22889	FLANGE BUSHING, 1/2 ID X 5/8 OD OILITE	2
15	56770	FOOT SUPPORT ASSEMBLY	2
16	58765	TUBE, CROSS SUPPORT, 1/2 ID 1 OD	1
17	56774	INSERT SPACER 1 1/4 RD X 1/8	2
18	24409	RUBBER PAD	2
19	21860	WASHER, FLAT, 7/16 ID X 1 OD	2
20	22013	SOCKET HD. MACHINE, SCREW, 1/4 - 20 NC X 1/2	6
21	22849	FLANGE BUSHING, 3/4 ID X 7/8 OD	2
22	22232	SET SCREW, 5/16 - 18 U NC X 1/2	2
23	51710	FOOTPLATE, 17 15/16 X 12 X 1/4	1
24	58085	PIN, TEE ROD, 3/8 RD X 2 7/16	1
25	22812	BEARING, BALL, 3/8 ID	4
26	22972	SCREW, MACHINE, PAN HD, #6 - 32 X 1/4	4
27	22917	COLLAR, SET, 3/4., ID	2
28	40711	RUBBER,SHEET, NON-SKID, 17 15/16 X 12	1
29	21912	WASHER, FLAT, PLASTIC, 0.516 ID X 1 1/4 OD	2
30	21012	NUT, JAM, 1/4 - 20 NC	2
31	20022	BOLT, HEX HD, 1/4 - 20 NC X 1	2
32	21210	NUT, HEX 3/8-16 UNC	2
33	21505	WASHER, FLAT, #6	4

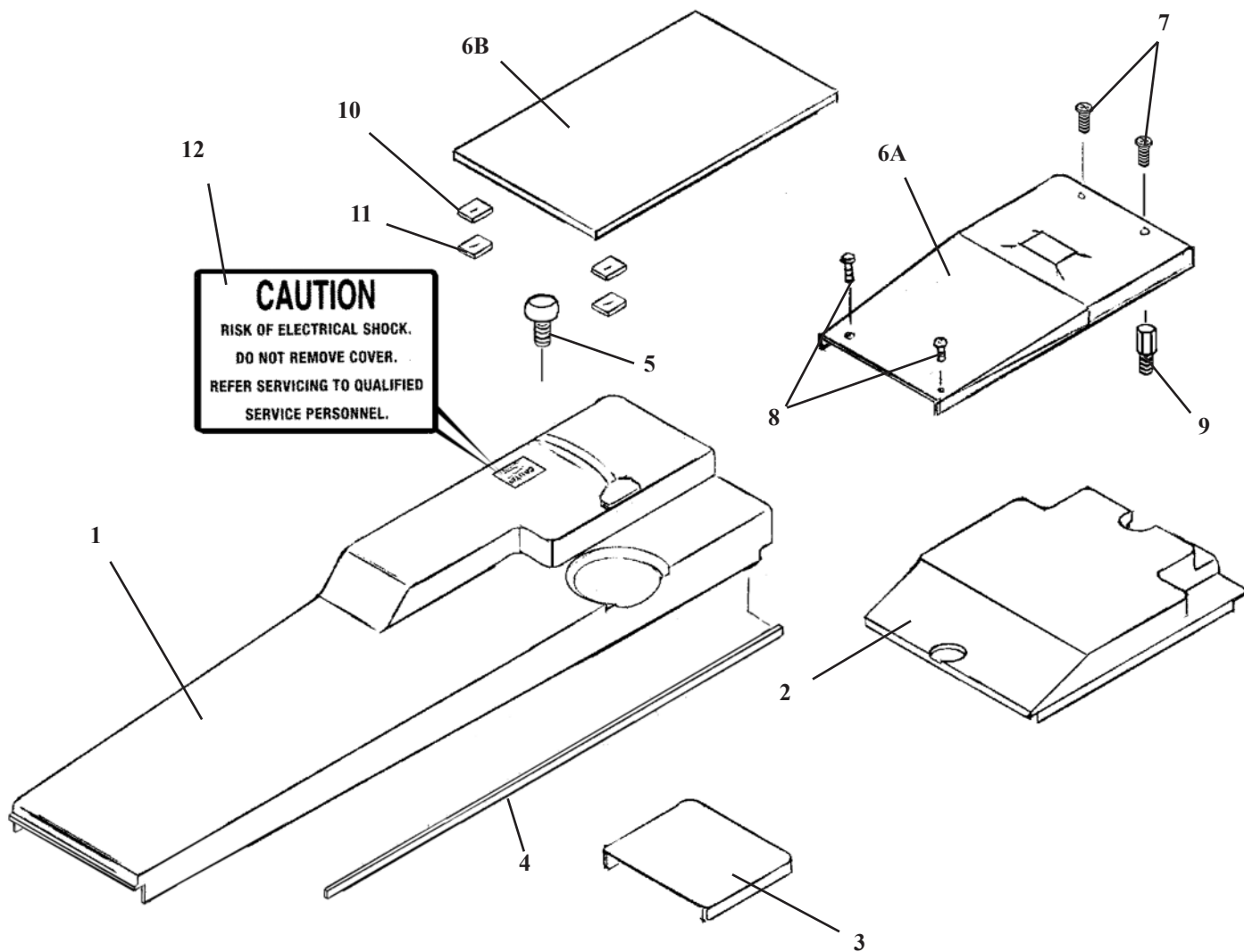
FOOT PLATE ASS'Y

22" MCMANIS HYLO



ITEM	PART NO.	DESCRIPTION	QTY.
1	58640	ROCKER YOKE ASSEMBLY	1
2	22110	SET SCREW, 1/4 - 20 NC X 1/4	2
3	51710	FOOTPLATE, 1/4 X12 X 17 15/16	1
4	22013	SCREW, MACHINE, BUTTON SOC HD, 1/4 - 20 NC X 1/2	6
5	21860	WASHER, FLAT, 7/16 ID X 1 OD	2
6	56774	PAD, 1 1/4 OD X 1/8	2
7	24409	PAD, FOOTPLATE	2
8	22915	COLLAR, 1/2"	2
9	21210	NUT, HEX, 3/8 - 16 NC	2
10	20332	BOLT, HEX HD, 3/8 - 16 NC X 1	2
11	56770	FOOTPLATE SUPPORT ASSEMBLY	2
12	20202	BOLT, SHOULDER, SOC HD, 5/16 - 18 NC SHOU 3/8 X 5/8	2
13	58505	SADDLE BLOCK	2
14	20199	BOLT, SHOULDER, SOC HD, 5/16 - 18 NC SHOU 3/8 X 1/2	2
15	58642	LINKAGE BAR	1
16	22690	PIN, CLEVIS, 3/8 X 1 3/4	1
17	22676	PIN, SHEARPROOF, 5/32 X 1	1
18	55252	ROLLER, FOOTPLATE, 1 1/2 RD X 1 1/8	1
19	58657	SLIDE ROD ASSEMBLY	1
20	22812	BEARING, BALL, 3/8 ID	2
21	22073	SCREW, MACHINE, FLAT HD, 5/16 - 18 NC X 3/4	4
22	22857	BUSHING, NYLON, 1 1/4 ID X 1 1/2 OD	2
23	24044	C - CLIP	2
24	22972	SCREW, MACHINE, PAN HD, #6 - 32 X 1/4	2
25	21505	WASHER, FLAT, 5/32 X 3/8	4
26	21012	NUT, JAM, 1/4 - 20 NC	2
27	20022	BOLT, HEX HEAD, 1/4 - 20 NC X 1	2
28	40711	RUBBER, NON - SKID	1
29	21310	NUT CAP, 1/2-20UNF	2
30	58766	SUPPORT ROD, 1/2 RD X 13 1/8	1

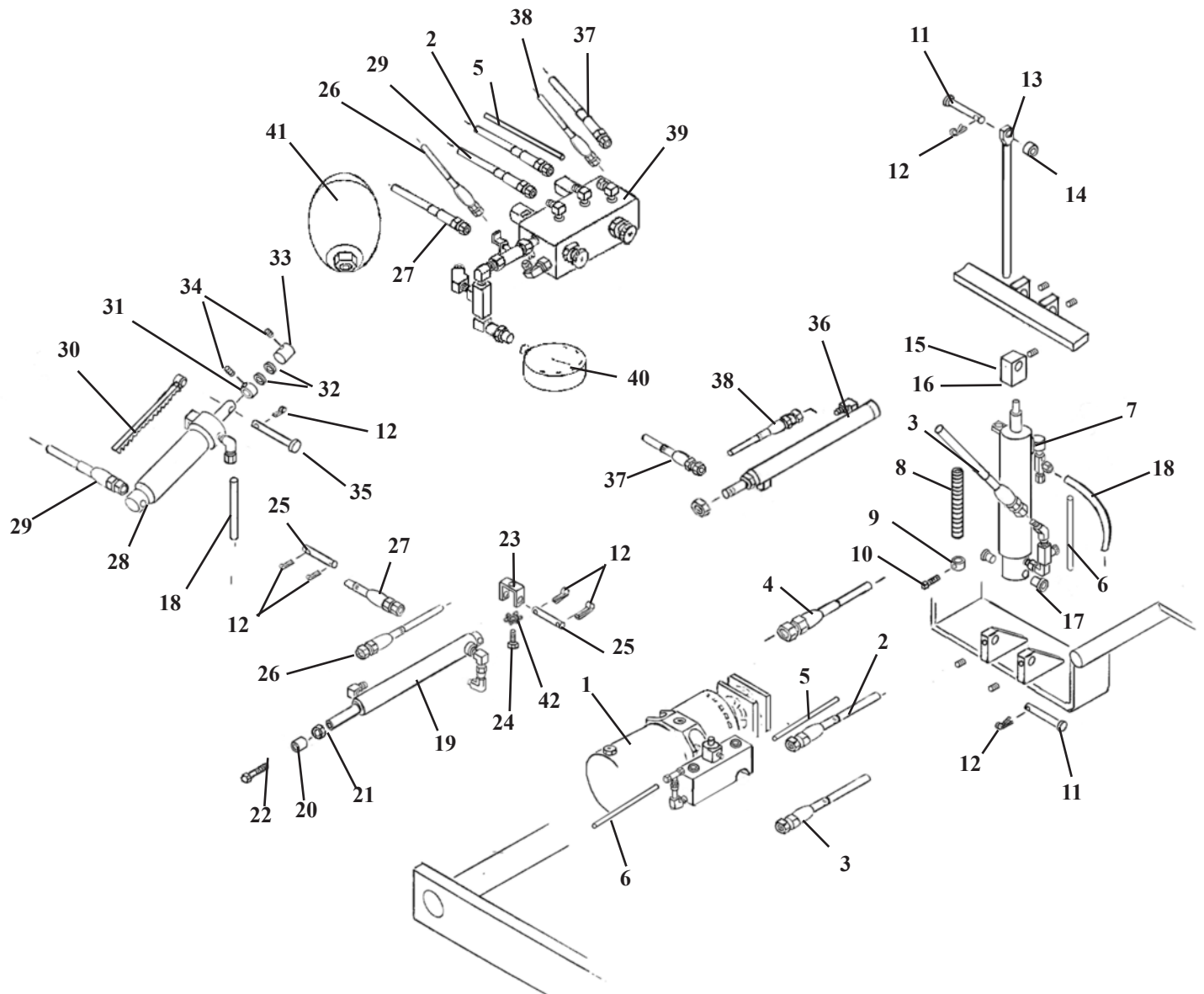
COVERS



ITEM	PART NO.	DESCRIPTION	QTY.
1	699190	MOTOR COVER	1
2	699060	ACCUMULATOR COVER	1
3	699080	CIRCUIT BOARD COVER	1
4	24470	FOAM TAP	1
5	36970	CAP BREATHER	1
6A	699230	BACK COVER, 24" TABLE	1
6B	699190	BACK COVER, 22" TABLE	1
7	21979	PAN HD. MACHINE SCREW, #6-32 UNC X 3/4	2
8	22003	PAN HD. MACHINE SCREW, #10-24 UNC X 3/4	2
9	37900	SPACER, HEX.MALE-FEMALE, #6-32 UNC X 1/2	2
10	28552	VELCRO MATERIAL, 1" (HOOK)	1
11	28551	VELCRO MATERIAL, 1" (LOOP)	1
12	31154	STICKER, CAUTION	1

HYDRAULICS

22" McManis Hilo

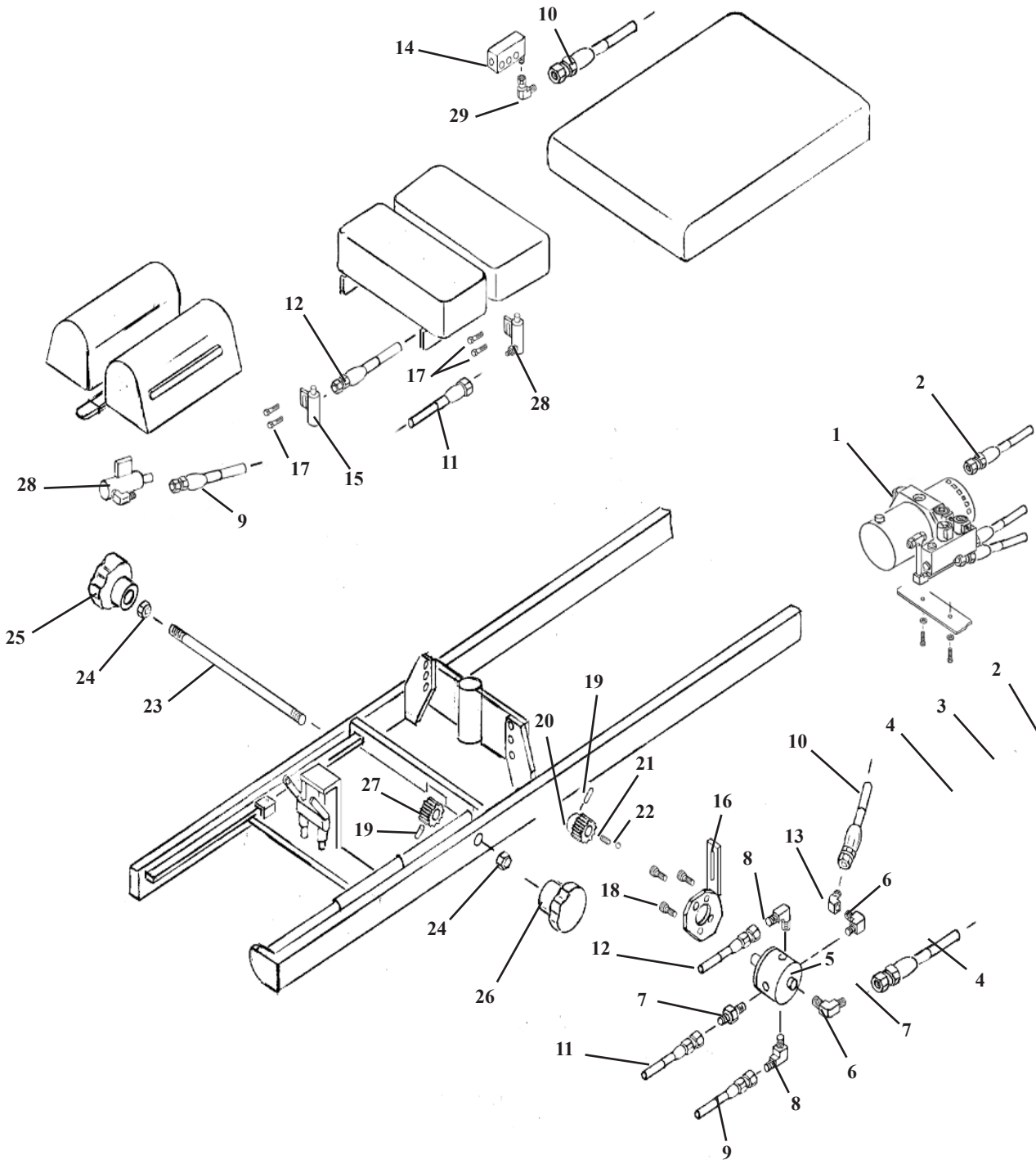


HYDRAULICS

22” McManis Hilo

ITEM	PART NO.	DESCRIPTION	QTY.
1A	623550	MOTOR & PUMP	1
1B	623551	MOTOR & PUMP, AUTO	1
2	45373	HOSE, HYDRAULIC, 3/16 X 67 (MTR to FLEXION BLOCK) (22” TABLE)	1
3	45510	HOSE, HYDRAULIC, 1/4 X 37 (MTR to TILT CYLINDER) (22” TABLE)	1
4	45270	HOSE, HYDRAULIC, 3/16 X 17 1/2 (MTR to SELECTOR VALVE JOINT)	1
5	23655	HOSE, LEGRIS, 1/4 X 78 (MTR to FLEX BLOCK) (22” TABLE)	1
6	23640	HOSE, LEGRIS, 1/4 X 43 (MTR to TILT CYLINDER)	1
7	624732	TILT CYLINDER ASSEMBLY	1
8	30782	SPRING, COIL, 1/2 ID X 31/32 OD X 6	1
9	56971	COLLAR, 7/16	1
10	20007	BOLT, HEX HEAD, 1/4 - 20 NC X 5/8	1
11	22679	PIN, CYLINDER, 1/2 X 3 1/2	2
12	22640	PIN, COTTER	7
13	56950	EYE ROD, 7/16 X 14	1
14	52150	SPACER, STEEL, 0.506 ID X 5/8 OD X 3/8	1
15	56970	BLOCK, TILT CYLINDER, 1 1/4 X 1 1/4 X 1 1/4	1
16	22116	SET SCREW, 1/4 - 28 NF X 1/2 - NYLON TIP	1
17	22886	BUSHING, OILITE, 1/2 X 5/8 X 1	2
18	23620	HOSE, LEGRIS, 1/4 X 26 (TILT CYLINDER to FLEXION CYLINDER)	1
19	624911	EXTENSION - RETRACTION CYLINDER, CHEST	1
20	56006	SPACER, 3/8 ID X 1/2 OD	1
21	21112	NUT, HEX, 5/16 - 18 NC	1
22	20222	BOLT, HEX HEAD, 5/16 - 18 NC X 1 1/4	1
23	58617	U-BRACKET, EXTENSION CYLINDER	1
24	20210	BOLT, HEX HEAD, 5/16 - 18 NC X 1/2	1
25	58055	PIN, LINKAGE, 5/16 X 2	1
26	45291	HOSE, HYDRAULIC, 3/16 X 22 1/2 (CHEST RETRACTION)	1
27	45250	HOSE, HYDRAULIC, 3/16 X 16 1/2 (CHEST EXTENSION)	1
28	624920	FLEXION CYLINDER	1
29	45500	HOSE, HYDRAULIC, 1/4 X 27 1/2 (FLEXION CYLINDER)	1
30	58673	GUIDE RACK ASSEMBLY	1
31	22913	COLLAR, SET, 1/2” (22” ONLY)	1
32	21910	WASHER, FLAT, 1/2 ID X 1 OD	2
33	58202	COLLAR, 1/2 ID X 1 OD X 1 1/8	1
34	22109	SET SCREW, 1/4 - 20 NC X 1/4 - BRASS TIP	2
35	22620	PIN, SUPPORT, 5/16 X 2 3/4	1
36	624912	EXTENSION - RETRACTION CYLINDER (PELVIC)	1
37	45306	HOSE, HYDRAULIC, 3/16 X 36 1/2 (PELVIC RETRACTION)	1
38	45303	HOSE, HYDRAULIC, 3/16 X 31 1/2 (PELVIC EXTENSION)	1
39	630121	BLOCK, CONTROL VALVE	1
40	24480	GAUGE, PRESSURE	1
41	23459	ACCUMULATOR, BLACK	1
42	21755	STAR WASHER 1/4ID	1

HYDRUALICS ASSEMBLY AUTO DROPS



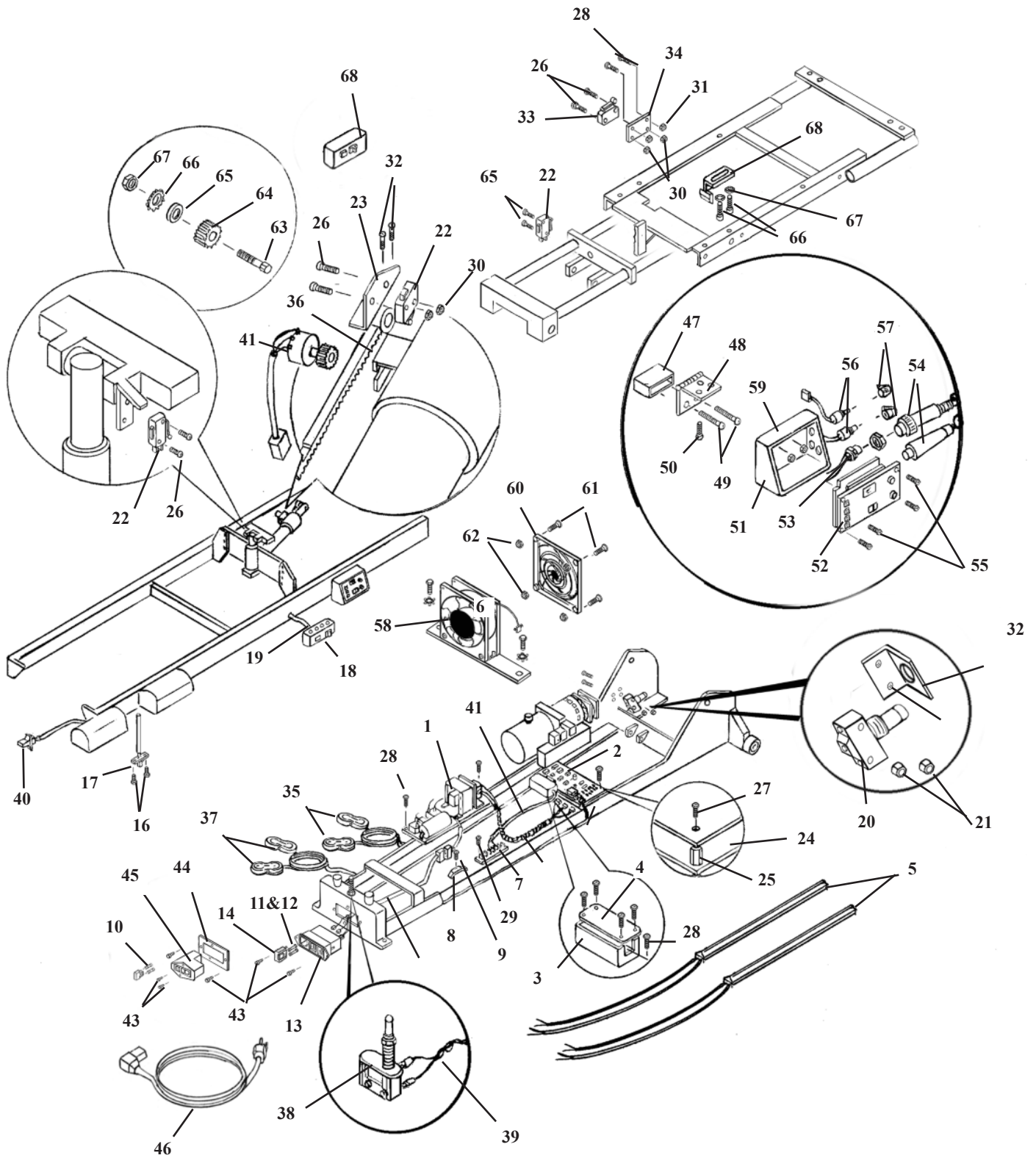
Cocking Cylinder item #28, specify fitting type when ordering.

HYDRAULICS ASSEMBLY

AUTO DROPS

ITEM	PART NO.	DESCRIPTION	QTY.
1	623552	PUMP & MOTOR ASS'Y	1
2	45270	HOSE, HYDRAULIC, 3/16 X 17 1/2	1
3	23047	COUPLER, MALE, 1/4"-JIC	1
4A	45362	HOSE, HYDRAULIC, 3/16 X 52 1/2 (22" Table)	1
4B	45353	HOSE, HYDRAULIC, 3/16 X 47 1/2 (24" Table)	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	23110	FITTING, 90 DEG. 1/8" MALE-JIC	2
9	45320	HOSE, HYDRAULIC, 3/16 X 38 1/2 (Cervical)	1
10	45306	HOSE, HYDRAULIC, 3/16 X 35 1/2 (Pelvic)	1
11	45298	HOSE, HYDRAULIC, 3/16 X 28 1/2 (Lumbar)	1
12	45294	HOSE, HYDRAULIC, 3/16 X 24 1/2 (Dorsal)	1
13	23090	FITTING, 45 DEG. 1/8-JIC	1
14	625001	COCKING CYLINDER ASS'Y, 9/16 SQ.	1
15	625010	COCKING CYLINDER ASS'Y, 3.4 RD (Side port)	1
16	58445	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	SLECTOR ROD, 3/8RD X 12 7/8	1
24	21210	NUT, HEX, 3/8-16 UNC	2
25	30000	SELECTOR KNOB (RH)	1
26	30001	SELECTOR KNOB, (LH)	1
27	30310	GEAR, PLASTIC, 3/8 ID X 1 1/2 OD X 5/8	1
28	625020	COCKING CYLINDER ASS'Y, 3/4RD (Front)	2
29	23109	FITTING, 90 DEG. SWIVAL - J.I.C	1

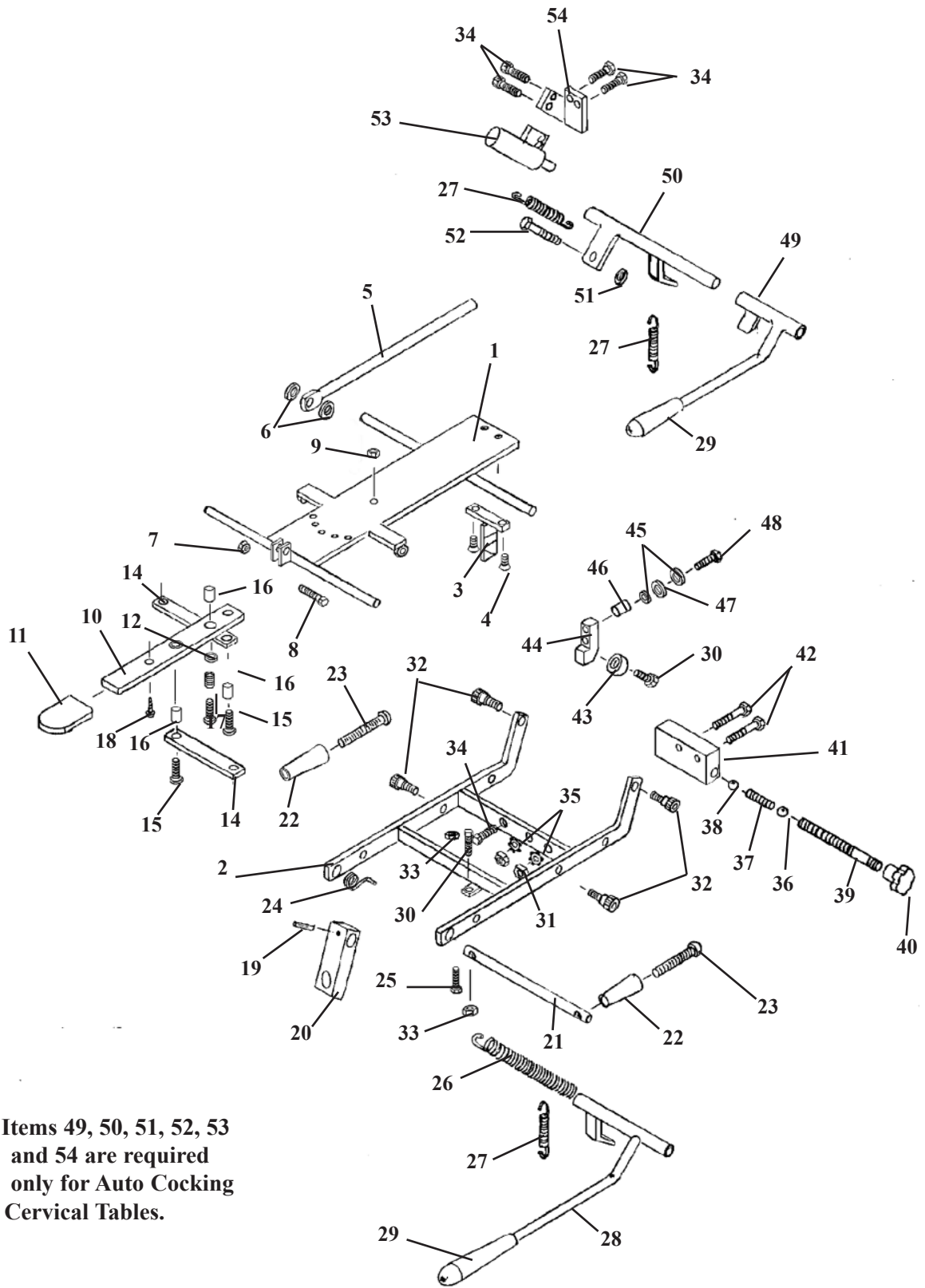
ELECTRICAL ASSEMBLY



ITEM	PART NO.	DESCRIPTION	QTY.
1	44985	ELECTRICAL UNIT ASSEMBLY	1
2	45049	CIRCUIT BOARD ASSEMBLY	1
3	52046	HARNESS BOX ASSEMBLY	1
4	52047	LID, HARNESS BOX	1
5A	44093	SWITCH ASS'Y, TAPE, 36" LONG PAIR (AUTO DROP ONLY)	1
5B	44094	SWITCH ASS'Y, TAPE, 12" LONG PAIR (PELVIC AUTO ONLY)	1

ITEM	PART NO.	DESCRIPTION	QTY.
6	45174	CABLE ASSEMBLY, VALVE & POWER WIRES	1
7	38370	TERMINAL PLATE, 14 POSITION	1
8	52073	WIRE CLAMP	1
9	20007	BOLT, HEX HEAD, 1/4 - 20 NC X 5/8	1
10	36371	FUSE, 8 AMP, 100v Table	2
11	36353	FUSE, 4 AMP, 220v Table	2
12	36360	FUSE, 6 AMP 120v Table	2
13	44217	POWER ENTERY MODULE, 110V /220V	1
14A	36377	FUSE HOLDER, 110 V	1
14B	36378	FUSE HOLDER 100V	1
15	21980	SCREW, MACHINE, FLAT HEAD, # 6 - 32UNC X 1/2	1
16	21989	SCREW, SHEET METAL, #8 X 5/8	3
17	45166	CABLE ASSEMBLY, EXTENSION / RETRACTION SWITCH	1
18	44022	BOX ASSEMBLY, CONSOLE, SWITCH & LED (AF ONLY)	1
19	45164	WIRE HARNESS, CONTROL BOX (SAFETY LIGHTS)	1
20A	38030	LIMIT SWITCH (22" FRAME)	1
20B	38040	LIMIT SWITCH (24" FRAME)	1
21	21410	NUT, HEX, #6 - 32 UNC	4
22	38191	SWITCH, LIMIT, SNAP ACTION	3
23	58964	SWITCH, BRACKET	1
24	58513	MOUNTING PLATE	1
25	37900	SPACER, HEX, #6 - 32 X 1/2	4
26	21964	SCREW, MACHINE, PAN HEAD, #4 - 40 UNC X 1/2	6
27	21972	SCREW, MACHINE, PAN HEAD, #6 - 32 UNC X 1/4	2
28	21995	SCREW, MACHINE, PAN HEAD, #10 - 24 UNC X 1/2	8
29	21982	SCREW, MACHINE, PAN HEAD, # 8 - 32 UNC X 1/2	2
30	21405	NUT, HEX, #4 - 40	4
31	21450	NUT, HEX, #10 - 24 UNC	4
32	21977	SCREW, MACHINE, ROUND HD, #6 - 32UNC X 1	4
33	38000	SWITCH, ROLLER, LEVER	1
34	58826	SWITCH PLATE	1
35	44092	PEDAL ASSEMBLY, FLEXION CONTROL	1
36	58673	GEAR RACK ASSEMBLY	1
37	44091	DIRECTION CONTROL PEDAL	1
38A	38030	SWITCH, HYLO SHUTOFF (22" FRAME)	1
38B	44050	SWITCH, HYLO SHUTOFF (24" FRAME)	1
39	45198	SHUTOFF CABLE ASSEMBLY	1
40	44047	SWITCH ASS'Y, TILT DOWN ACTIVATE	1
41	440625	POTENTIOMETER ASSEMBLY	1
42	45140	WIRE HARNESS ASSEMBLY	1
43	21975	SCREW, MACHINE, PAN HEAD, #6 - 32 UNC X 1/2	9
44	58618	ADAPTER PLATE	1
45	37186	POWER ENTERY & FUSE HOLDER 100V	1
46A	36172	POWER CORD, 110 V	1
46B	36172	POWER CORD, 100 V	1
46C	36173	POWER CORD, 220 V	1
AUTO FLEXION PARTS			
47	55386	SPACER	1
48	55387	HINGE	1
49	22052	BOLT, HEX HEAD, 1/4 - 20 UNC X 1 3/4	2
50	21996	SCREW, MACH, FLAT HD, #10 - 24 UNC X 1/2	2
51	52037	BOX, AUTO FLEXION W/DELAY MOUNTING	1
52	45026	CIRCUIT BOARD, AUTO FLEXION	1
53	44075	RECEPTICAL ASS'Y, FLEXION STOP SWITCH	1
54	44080	SWITCH ASS'Y, FLEXION STOP	1
55	21984	SCREW, MACH, PAN HD, M3 X 8M	4
56	44063	POTENTIOMETER, AUTO FLEX DELAY	2
57	24183	KNOB, A/F DELAY	2
58	44020	BOX FAN ASSEMBLY	1
59	28560	VELCRO STRIPS, 8" X 1"	1
60	24234	GUARD, FAN	1
61	219*75	SCREW, MACHINE, PAN HEAD, #6-32 UNC X 1/2	4
62	21410	NUT, HEX, # 6 - 32 UNC	4
NON-AUTO FLEXION PARTS			
59	20024	BOLT, HEX HEAD, 1/4 - 20 UNC X 1 1/4	1
60	30305	GEAR, PLASTIC, 1/4 ID - 10 TH	1
61	21620	WASHER, FLAT, 1/4 ID	2
62	21630	WASHER, STAR, 0.26 ID	2
63	21012	NUT, JAM, 1/4 - 20 NC	2
64	44077	EXT / RET SWITCH ASS'Y BOX	1
65	21967	PAN HD, MACHINE SCREW, #4-40 UNC x 5/8	2
66	21997	SOCKET HD SCREW, #10-32UNC X 1/2	2
67	21510	FLAT WASHER, 3/16 ID	2
68	58585	SWITCH BRACKET ASS'Y	1

STRAIGHT DROP HEAD ASS'Y

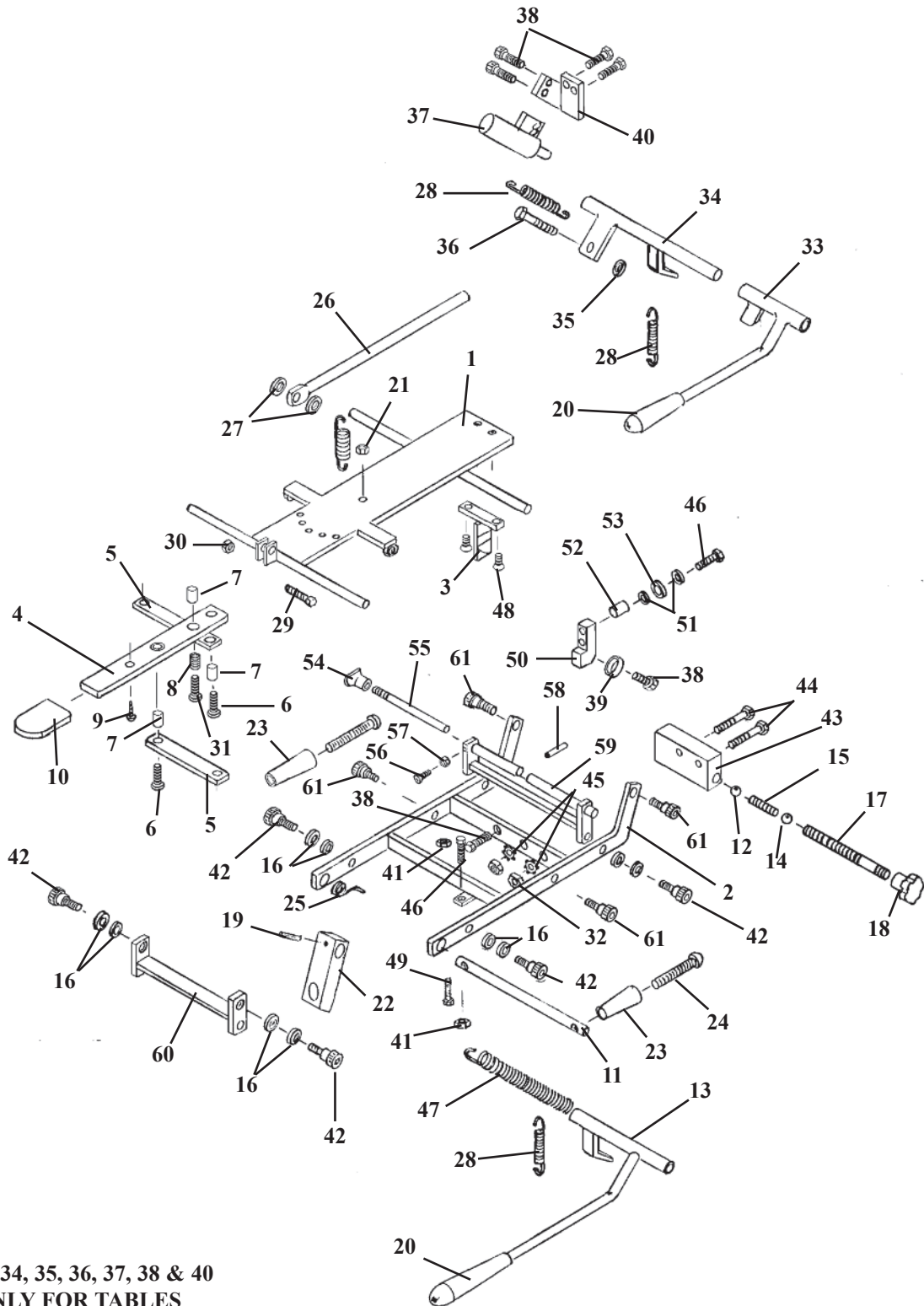


Items 49, 50, 51, 52, 53
and 54 are required
only for Auto Cocking
Cervical Tables.

STRAIGHT DROP HEAD ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.
1	56011	FASTER 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, 3/16 ID X 1/4 OD	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 ¼	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

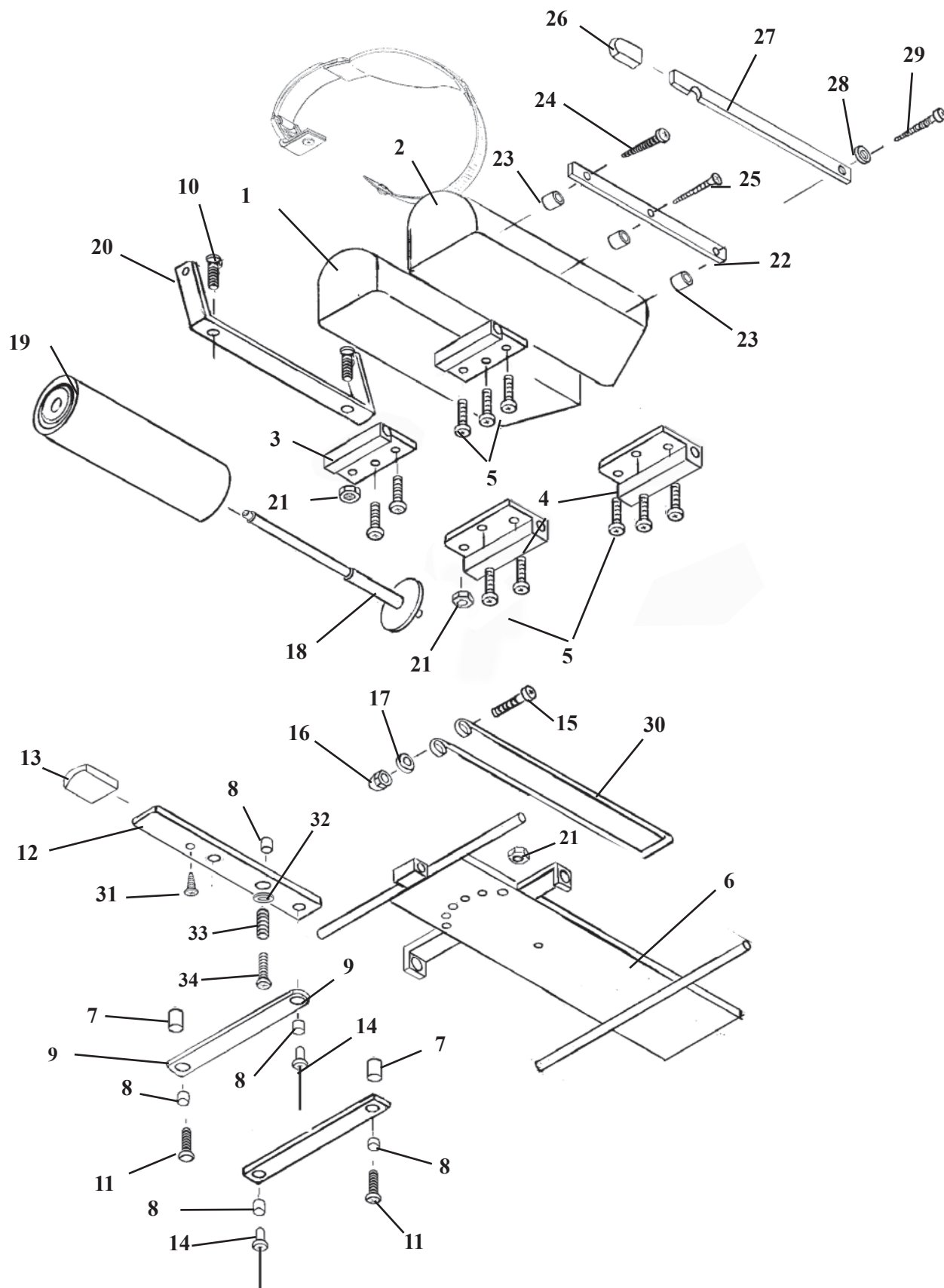


NOTE:
ITEMS 28, 33, 34, 35, 36, 37, 38 & 40
ARE USED ONLY FOR TABLES
WITH
AUTO COCKING CERVICAL.

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

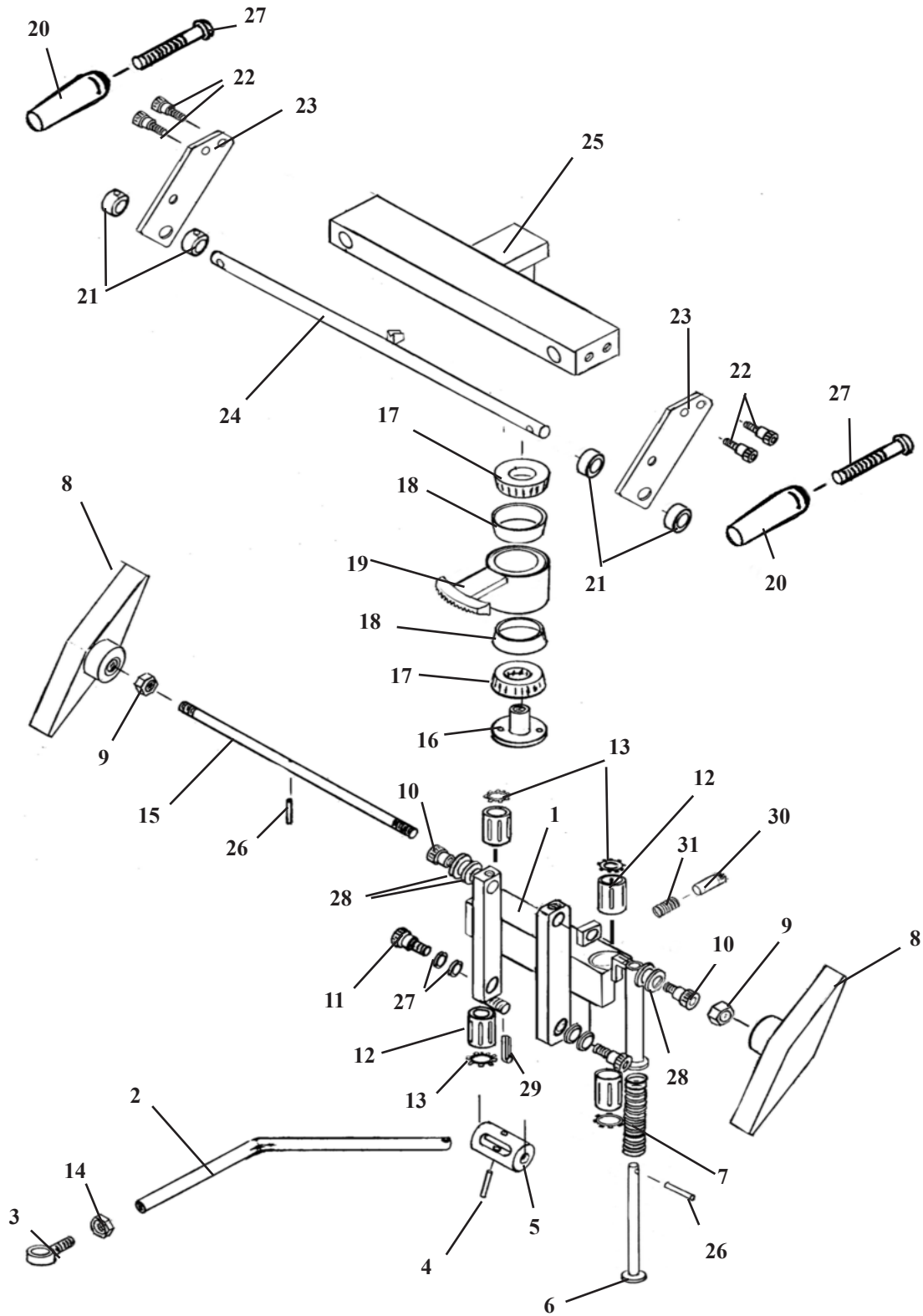
FLEXION HEAD CUSHION ASSEMBLY



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

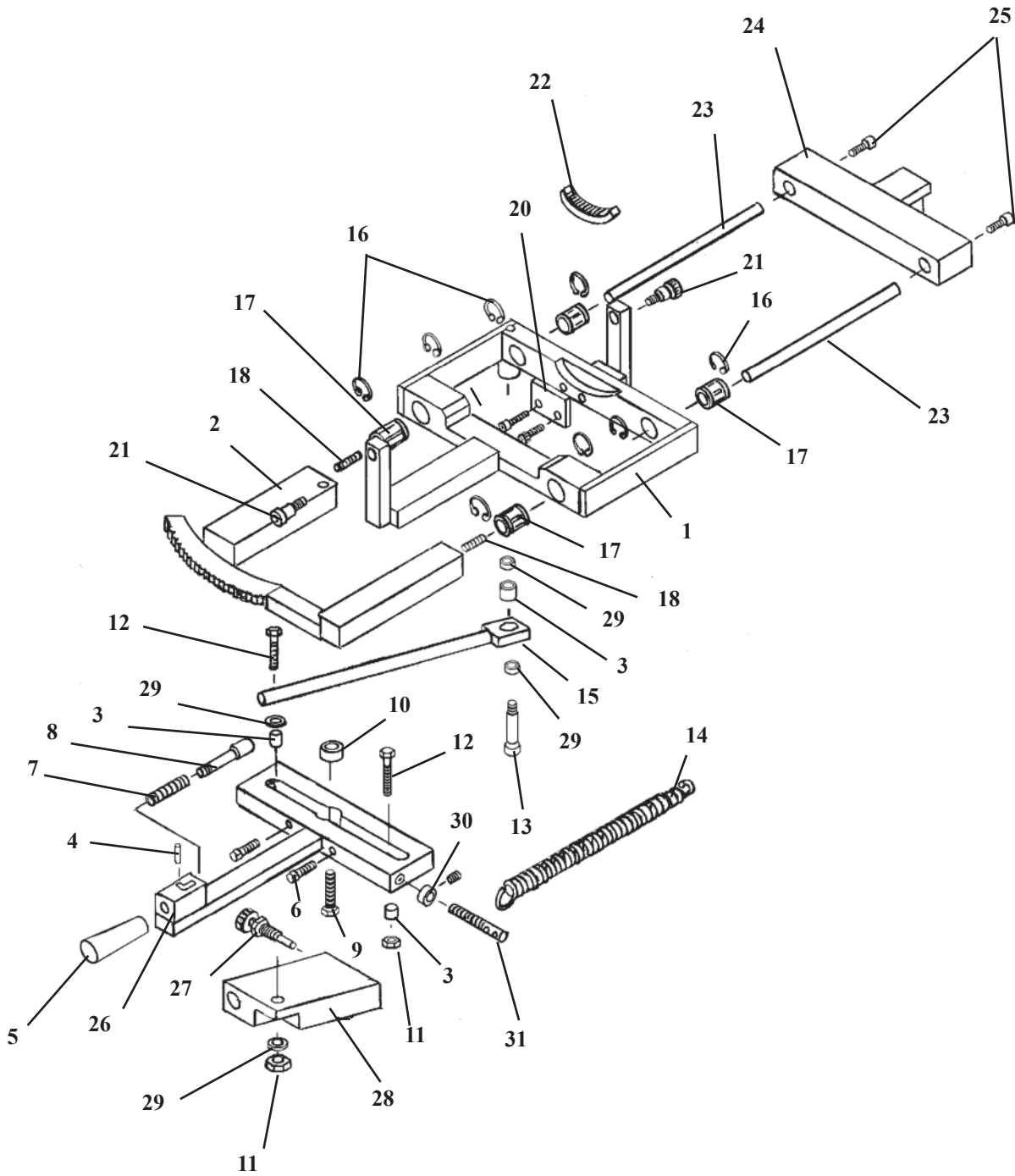
FLEXION HEAD SHUTTLE ASSEMBLY



FLEXION HEAD SHUTTLE ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.
1	55750	SHUTTLE ASS'Y	1
2	55787	LINKAGE ROD	1
3	22740	SWIVEL JOINT END	1
4	22689	SHEARPROOF 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 1/4-28UNC	1
15	55949	ADJUSTMENT ROD	1
16	55764	LOCK COLLAR	1
17	22835	ROLLER BEARING	2
18	22800	RACE, BEARING	2
19	55756	BEARING HUB	1
20	24022	PLASTICE HANDLE	2
21	22910	COLLAR	4
22	21997	SOCKET SCREW, #10-32 UNC X ½	4
23	55879	SUPPORT PLATE	2
24	55804	LOCK ROD	1
25	55768	ROTATION LOCK	1
26	22675	ROLL PIN	1
27	22038	MACHINE SCREW, 1/4-20 UNC X 2	2
28	21800	PLASTIC WASHER 3/8ID X 5/8 OD	4
29	22640	COTTER PIN 3/32 X 1	1
30	56007	LOCK PIN, 3/8 RD. X 1.00	1
31	30750	TENSION SPRING 9/32 ID X 3/4	1

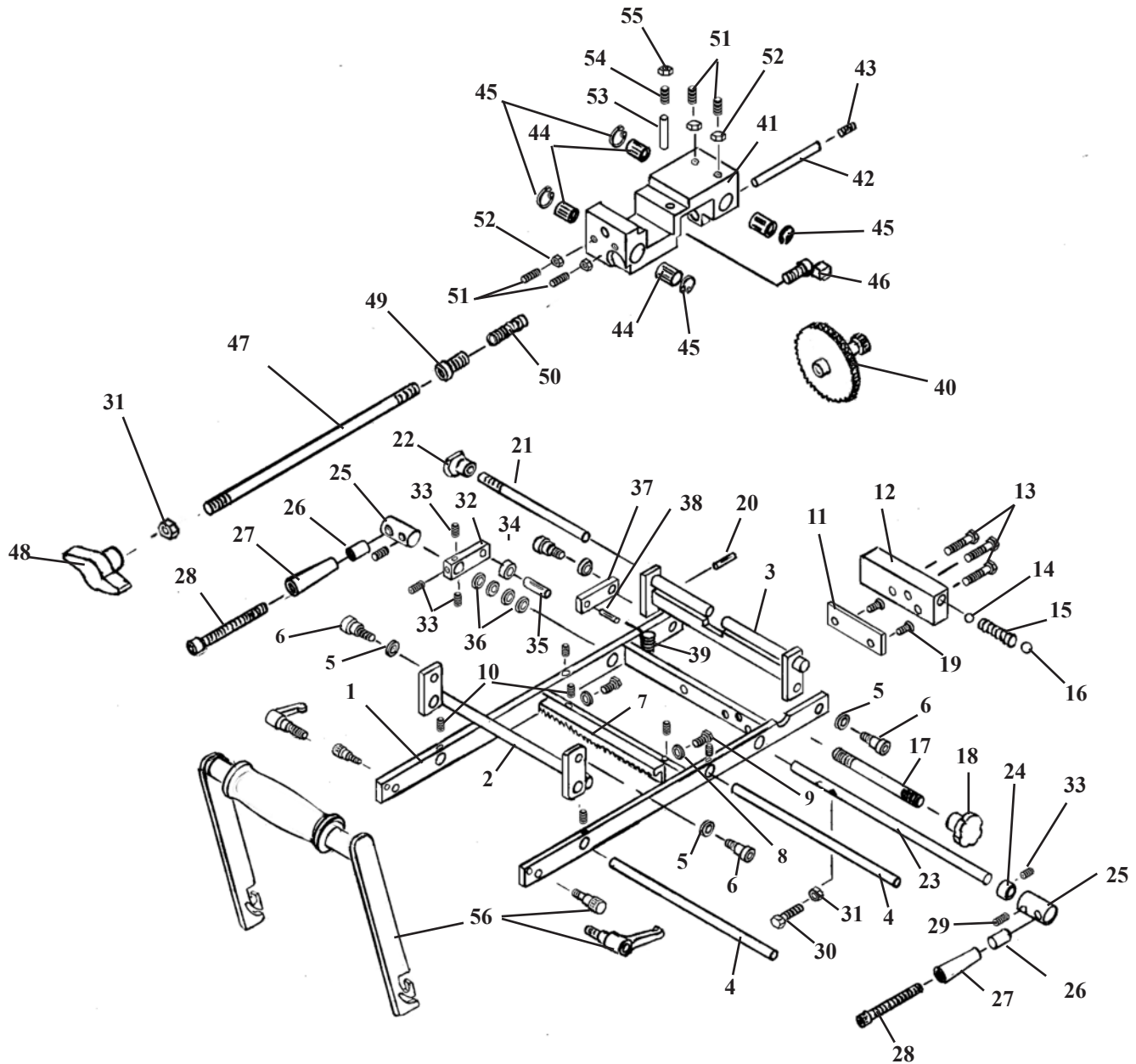
SLIDE FRAME ASS'Y FLEXION HEAD



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	22865	BUSHING, ¼ ID X 5/16 OD	3
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	20004	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	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

ROTATION FRAME ASSEMBLY FLEXION HEAD



Item 56 - Flexion Handle Kit #634020

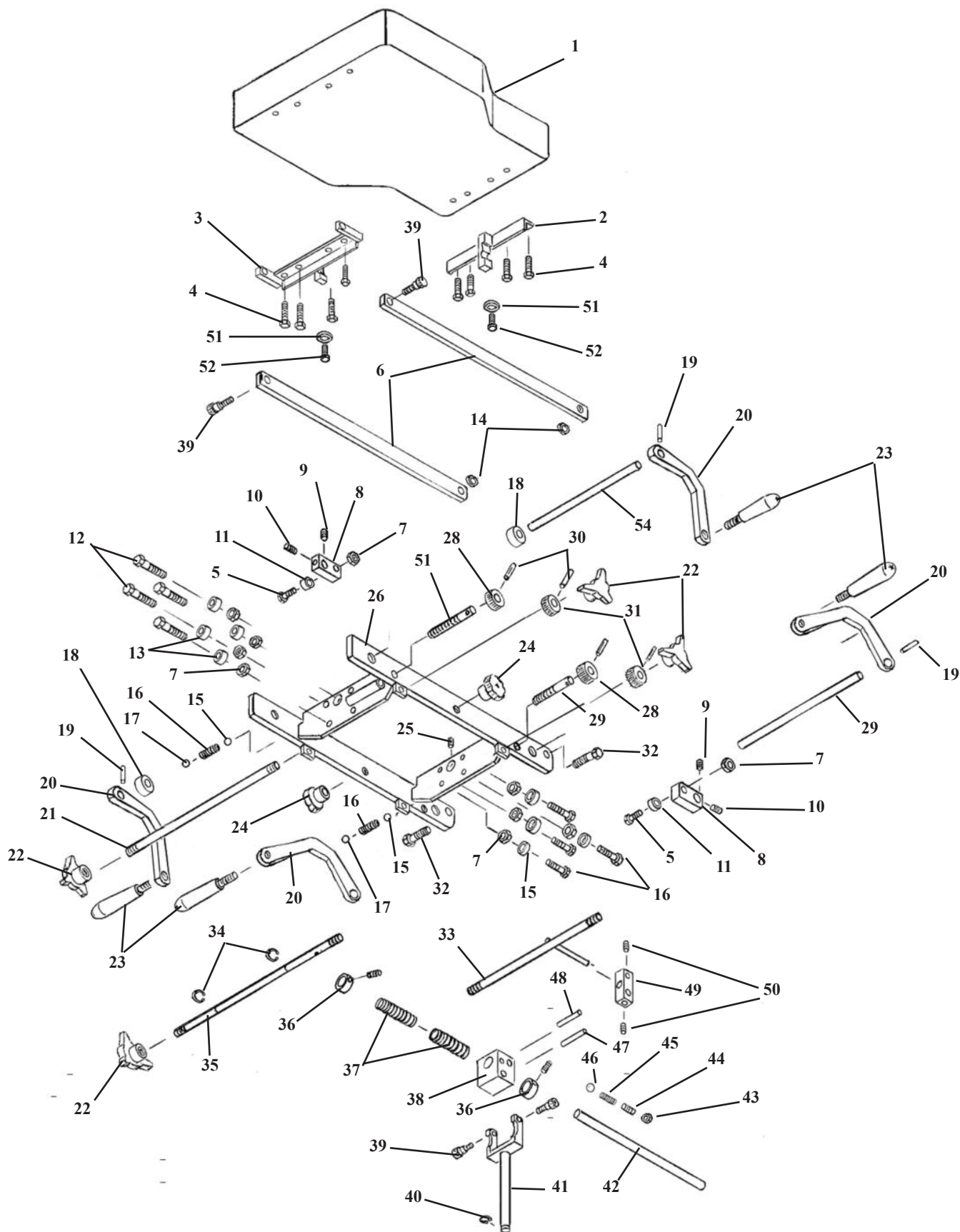
Part No.	Description	Qty
55838	Handle Tube	1
55836	Side Ass'y (RH)	1
55837	Side Ass'y (LH)	1
24023	Handle Grip	1
22410	Pan Hd. Screw	2
20188	Socket Hd. Screw, #10-24	2
24024	Adjustable Handle	1

ROTATION FRAME 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
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
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 X1	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
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

T- DROP CHEST ASS'Y

FULL CUSHION

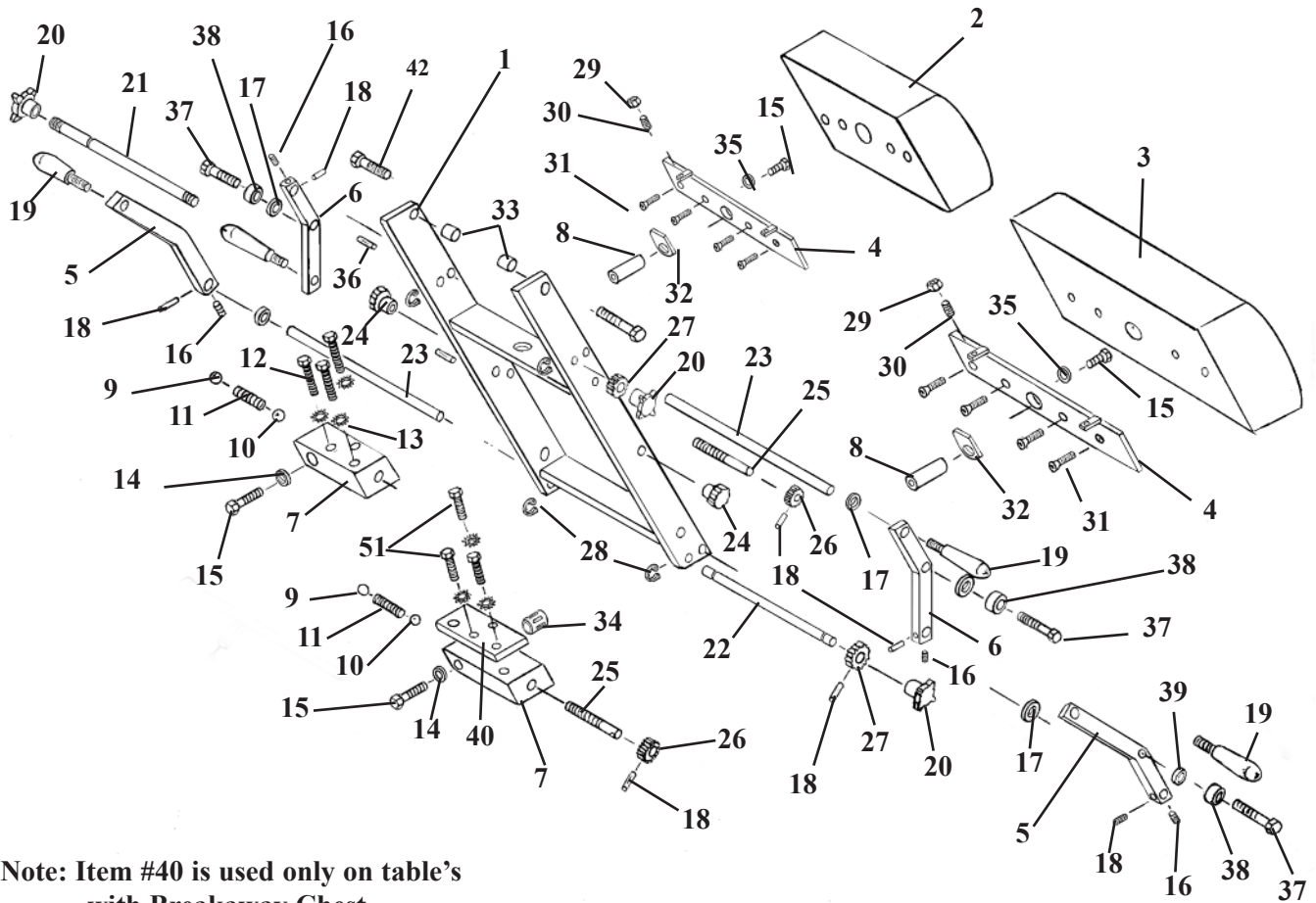


T- DROP CHEST ASS'Y

FULL CUSHION

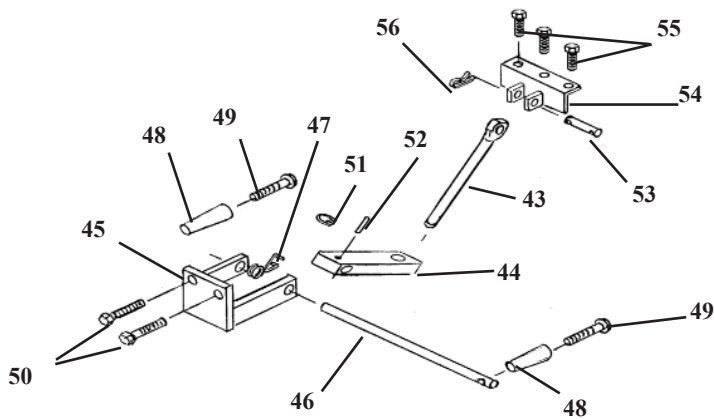
ITEM	PART NO.	DESCRIPTION	QTY.
1	40235	CHEST CUSHION ASS'Y	1
2	57433	FRONT TEE WEDGE ASS'Y	1
3	57429	REAR TEE WEDGE ASS'Y	1
4	20022	HEX HD BOLT, 1/4-20UNC X 1.00	8
5	20350	HEX HD BOLT, 3/8-16UNC X 1 1/4	2
6	57435	SIDE RAIL	2
7	21210	HEX NUT, 3/8 -16UNC	9
8	52730	COCKING BAR	2
9	22260	SET SCREW, 5/16-24UNF X 1/4	1
10	22250	SET SCREW, 5/16-24UNF X 1/2	1
11	22810	ROLLER BEARING	1
12	20330	HEX HD BOLT, 3/8-16UNC X 7/8	8
13	22812	ROLLER BEARING	8
14	21850	PLASTIC WASHER, 3/8 ID	2
15	22700	TENSION BALL 3/8 DIA.	1
16	30830	TENSION SPRING	1
17	22710	TENISON BALL 1/2	1
18	54088	SET COLLAR 1/2 ID X 1.00 OD	2
19	22670	ROLL PIN, 1/8 X 3/4	4
20	57449	COCKING HANDLE (RH)	2
21	57447	TENSION ROD	1
22	24180	CONTROL KNOB	4
23	24012	COCKING HANDLE	4
24	24150	CONTROL KNOB	2
25	22092	SET SCREW, 10-24UNC X 3/8	1
26	57424	DROP CHEST FRAME ASS'Y	1
27	57445	TENSION SCREW, 3/8 RD X 3.10	2
28	30311	TENSION GEAR 3/8ID X 15/16 OD	2
29	52350	COCKING ROD	2
30	22673	ROLL PIN 1/8 X 1	4
31	30312	TENSION GEAR 3/8ID X 1 1/8OD	2
32	20222	HEX HD BOLT, 3/8-16UNC X 1 1/4	2
33	57438	SLIDE ROD	1
34	24290	E-CLIP, 3/8	2
35	57448	TENSION ROD	1
36	22940	COLLAR, 5/8ID X 23/32OD	2
37	30793	COMPRESSION SPRING	2
38	51090	CENTER BLOCK	1
39	20197	SOCKET HD SHLD BOLT, 5/16-18UNC X 3/8	4
40	24286	E-CLIP, 1/2"	1
41	56190	FORK ASS'Y	1
42	57446	CENTER GUIDE ROD	1
43	21012	HEX NUT 1/4-20UNC	1
44	22120	SET SCREW, 1/4-20UNC X 1/2	1
45	30715	COMPRESSION SPRING	1
46	22702	BEARING BALL 3/16	1
47	57345	SLIDE PIN, 5/16 RD X 3	1
48	57344	GUIDE PIN, 1/4 RD X 2 1/8	1
49	57343	LINKAGE BLOCK	1
50	22160	SET SCREW, 1/4-28UNF X 1/4	2
51	21710	FLAT WASHER, 5/16ID	2
52	22012	TRUSS HD. BOLT, 1/4-20UNC X 1/2	2
53	57454	TENSION SCREW, 3/8 RD X 2 1/2	1
54	57444	COCKING ROD, 1/2 RD X 13	1
55	57472	COCKING HANDLE (LH)	1

DROP CHEST & LUMBAR CUSHION



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

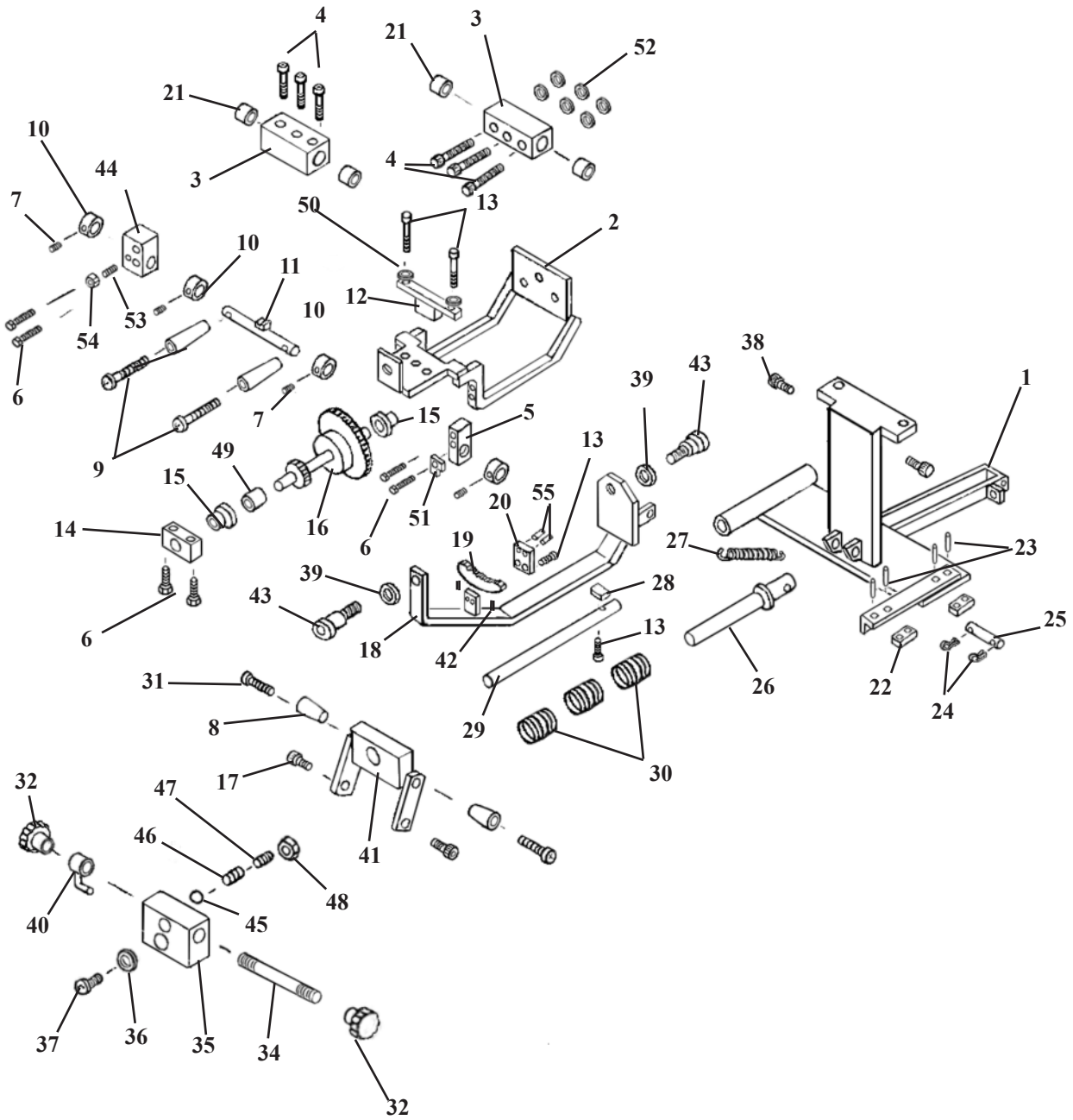
Note: For Detail Parts on Breakaway Chest refer to Deluxe Chest Cushion (pages 31 & 32).



DROP CHEST & LUMBAR CUSHION

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	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, MACHINE, 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, 1/2 RD X 2 3/8	1
54	57319	BRACKET ASS'Y, ATTACHMENT	1
55	20253	BOLT, HEX HEAD, 5/16 - 18 NC X 2 1/4	3
56	22640	COTTER PIN, 3/32 X 1	2

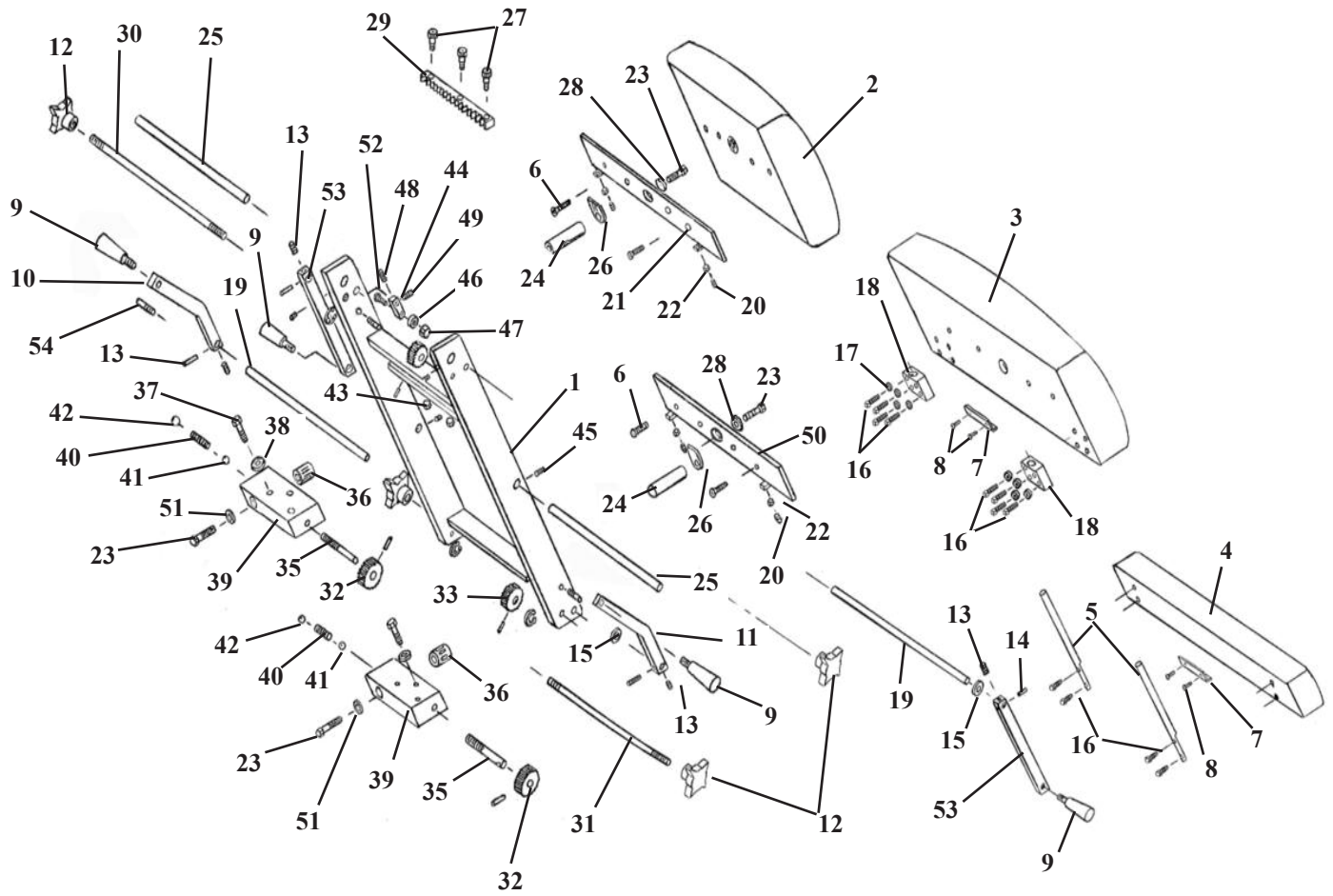
ROTATION CHEST FRAME ASSEMBLY



ROTATION CHEST FRAME ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.
1	55552	I-FRAME ASS'Y, ROTATION CHEST (GALAXY 900 HS & HYLO)	1
2	57303	GEAR TRAIN FRAME ASS'Y, SWIVEL YOKE	1
3	57401	BLOCK, GUIDE, SWIVEL CHEST ASS'Y, 1 ¼ X 1 ½ X 2 ¾	2
4	20024	BOLT, SOCKET HEAD, ¼ - 20 NC X 1 ¼	6
5	57394	BLOCK, LOCKING ROD, SWIVEL CHEST, 7/16 X 5/8 X 1 7/16	1
6	20023	BOLT, HEX HEAD, ¼ - 20 NC X 1 ¼	4
7	22110	SET SCREW, ¼ - 20 NC X ¼	4
8	24022	HANDLE	4
9	22033	SCREW, MACH, RD HEAD, ¼ - 20 NC X 1 ½	2
10	22912	COLLAT, SET, 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, ¼ - 28 NF X 5/8	4
14	57395	BLOCK, GEAR FRAME MOUNTING, 7/16 X 5/8 X 1 ¾	1
15	22885	BUSHING, 3/8 ID x ½ 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	3
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	1
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, ¼ X ¾ X 7/16	1
29	57387	GUIDE ROD, 7/16 DIA X 5 15/16	1
30	30846	COMPRESSION SPRING, ¾ ID X 1 7/32 OD	3
31	22035	SCREW, MACH, ROUND HEAD, ¼ - 20 NC X 1 ¾	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 ½	1
35	51090	YOKE BLOCK, 1 X 1 ½ X 1 11/16	1
36	21860	WASHER, FLAT, 7/16 ID X 1 OD	1
37	22012	SCREW, MACH, TRUSS HEAD, ¼ - 20 NC X ½	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	1
40	50570	LOCK PIN ASS'Y	1
41	57307	BREAKAWAY LOCK BRACKET ASS'Y	1
42	22162	SET SCREW, ¼ - 28 NF X 5/8	1
43	20199	BOLT, SOCKET HEAD, 5/16 - 18 NC, SHOU 3/8 X ½	1
44	57383	LOCK BLOCK, ¾ X ¾ 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, ¼ - 20 NC X ½	1
48	21012	NUT, JAM, ¼ - 20 NC	2
49	57397	BUSHING, GEAR TRAIN, 3/8 ID X ½ OD X 3/8	1
50	21630	WASHER, STAR, ¼ ID X ½ OD	2
51	57415	PLATE, STOP, LOCK HANDLE, SWIVEL CHEST, 1/8 X ½ X ¾	1
52	21620	WASHER, FLAT, ¼ ID X 9/16 OD	6
53	22232	SET SCREW, 5/16 - 18 NC X ½	1
54	21110	NUT, JAM, 5/16 - 18 NC	1
55	22660	ROLL PIN, 1/8 X 5/8 (GROUND OFF TO ½ ")	2

ROTATION CUSHION ASSEMBLY DROP CHEST & LUMBAR

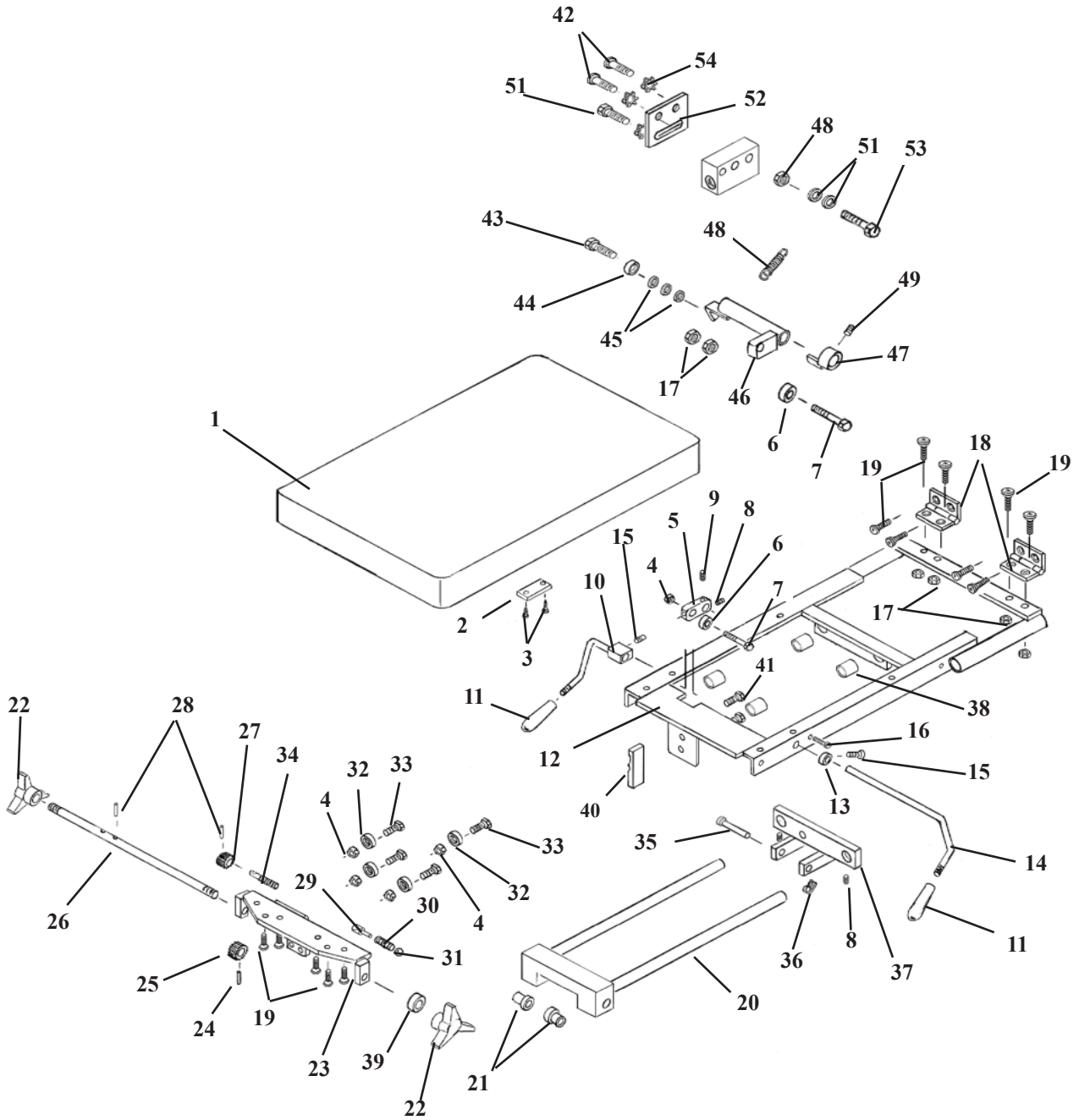


ROTATION CUSHION ASSEMBLY DROP CHEST & LUMBAR

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, ¼ - 20 NC X 1	8
7	56202	GUARD, CUSHION	2
8	22460	SCREW, SHEET METAL, PAN HD, #10 X ½	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, ¼ - 28 NF X ¼	4
14	22670	ROLL PIN, 1/8 X ¾	8
15	21915	WASHER, FLAT, PLASTIC, 9/16 ID X 11/16 OD	4
16	20023	BOLT, HEX HEAD, ¼ - 20 NC X 1 ¼	12
17	21630	WASHER, STAR, ¼ ID X ½ OD	8
18	57385	BRACKET, LEAF	2
19	57399	ROD, SUPPORT, COCKING HANDLE, ROT CHEST	2
20	22120	SET SCREW, ¼ - 20 NC X ½	1
21	57330	MOUNTING PLATE ASS'Y	1
22	21010	NUT, HEX, ¼ - 20 NC	6
23	20321	BOLT, HEX HEAD, 3/8 - 24 NF X ¾	4
24	30426	STEEL SHAFT, ¾ Dia	2
25	57391	ROD, SLIDE, SWIVEL CHEST, 5/8 RD X 11 ¾	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, ½ X ½ 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 ½ 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, ¾ ID X 1 5/8	2
37	20253	BOLT, HEX HEAD, 5/16 - 18 NC X 2 ¼	6
38	21755	WASHER, STAR, 5/16 ID X 0.60 OD	6
39	30420	BLOCK, DROP, ALUMINUM (LH)	2
40	30830	SPRING, COMPRESSION, ¼ ID X ½ OD X 2	2
41	22700	BALL, STEEL, 3/8 ID	2
42	22710	BALL, STEEL, ½ DIA	2
43	21450	NUT, HEX, #10 - 24 NC	3
44	52731	ARM, COCKING, 9/16 X ¾ 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 ¼	2
49	22250	SET SCREW, 5/16 - 24 NF X ½	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 ¾ X 5 ½	2
54	22685	ROLL PIN, 3/16 X 1	2

T-DROP PELVIC ASS'Y

NON-ROTATION



T-DROP PELVIC ASS'Y

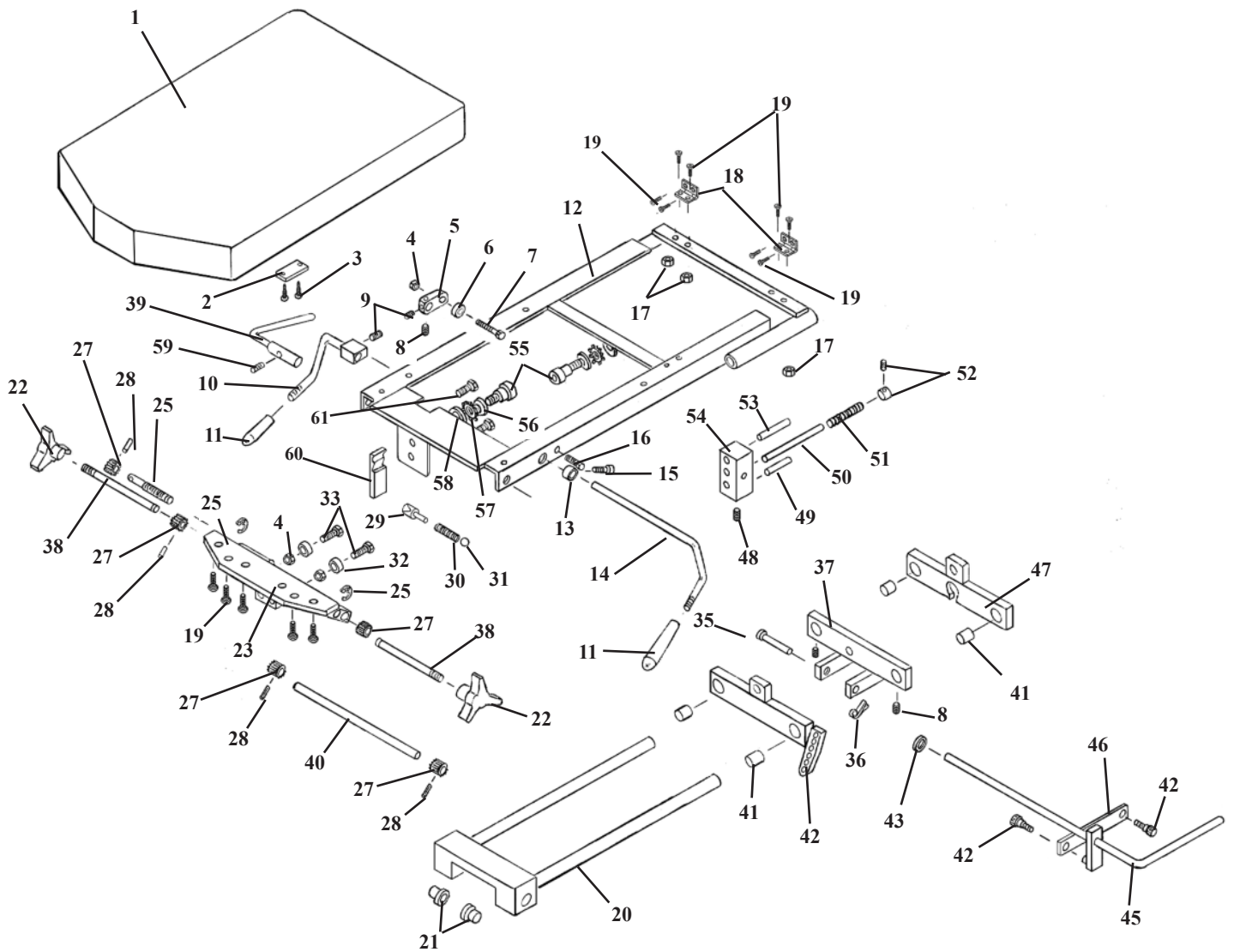
NON-ROTATION

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 TH	1
26	58596	TENISON ROD, 3/8RD X 21	1
27	30311	PLASTIC GEAR, 3/8RD X 15/16OD X 28 TH	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
40	58599	T-WEDGE	1
41	23021	HEX. HEAD BOLT, 5/16-24 UNF X 3/4	2

OPTIONAL AUTO COCKING PARTS

42	22030	SCREW, MACHINE, FLAT HD, /4-20 X 1.00	2
43	20022	HEX HD, BOLT, 1/4-20UNC X 1.00	1
44	22805	ROLLER BEARING, 1/4ID	1
45	21620	WASHER, FLATE, 1/4ID X 9/16OD	3
46	58582	TRANSFER AXIAL ASSEMBLY	1
47	58559	COCKING COLLAR ASS'Y	1
48	21010	HEX NUT 1/4-20UNC	1
49	22110	SET SCREW, 1/4-20UNC X 1/4	1
50	30725	TENSION SPRING, 1/4 ID X 1 5/16	1
51	21610	WASHER, PLASTIC, 1/4 ID	2
52	58595	MOUNTING PLATE	1
53	20120	HEX HD. BOLT, 1/4-28UNF X 1.00	3
54	21630	STAR WASHER, 1/4ID	4

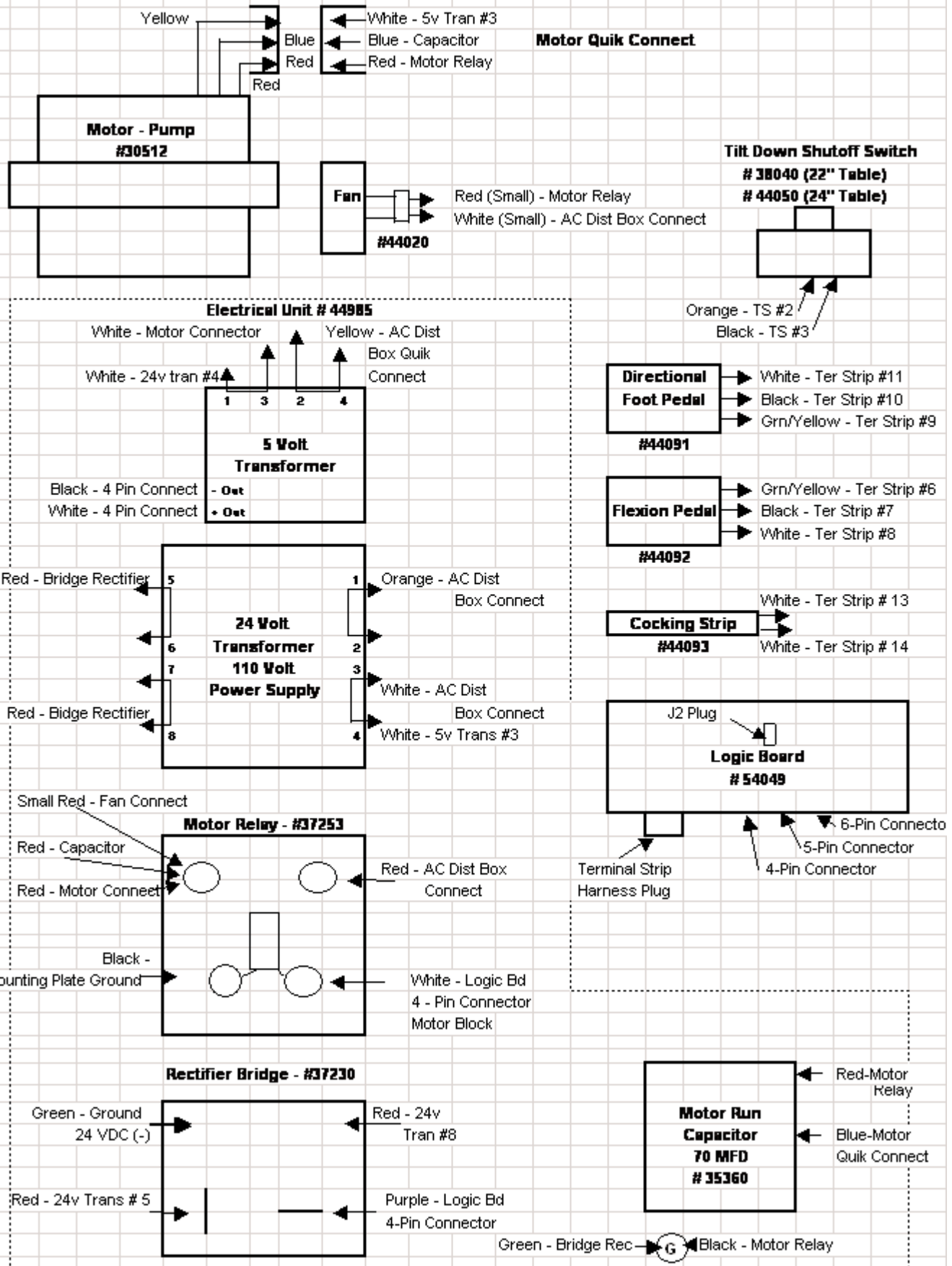
T-DROP ROTATION PELVIC ASSEMBLY



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 TH	4
28	22660	ROLL PIN, 1/8 X 5/8	4
29	57421	TENSION PLUGGER, 1/2 DIA. X 1 3/16	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
60	56506	T-WEDGE, 1/2 X 1 X 3 1/8	1
61	23021	HEX. HD. BOLT, 5/16-24UNF X 3/4	2

McManis Hyl0 Electrical w/Auto Flexion & Auto Drop



Electrical for all McManis Hyla

- #45140 - Wire Harness Ass'y (Plugs into Logic Board)
- #45174 - Cable Ass'y, Valve & Power Wiring
- #44022 - Box Assembly, Auto/Man Switch & LED Indicators
- #45166 - Cable ass'y, Extension/Retraction Switch
- #44047 - Switch Ass'y, Tilt Down Activate (Safety Switch)

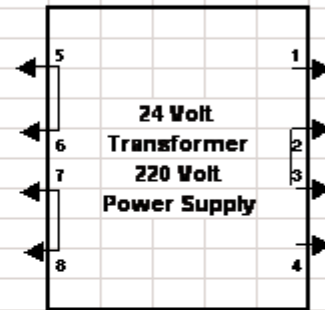
Electrical for Tables w/ Auto Flexion

- #44062 - Potentiometer Ass'y, Flexion Sensing
- #45026 - Logic Board - Auto Flexion
- #44020 - Fan (Shown above)

J2 Plug (Into top of Logic Board)

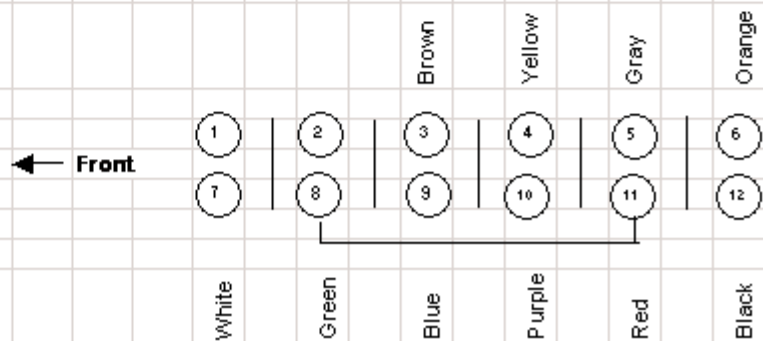
As per numbering on Logic Board (Not Connector)

White - Auto/Man Indicate	12	1	
Green - Auto/Man Switch	11	2	
Blue - Auto/Man Indicate	10	3	Brown - Ext Table/Ret Pelvic Switch
Violet - Pelvic Ext Indicate	9	4	Yellow - Pelvic Flexed Safety Sw Indicate
Red - Ext Tble/Ret Pel Sw & Safety Switch Indicate	8	5	Gray - Ankle Rest Ext Safety Sw Indicate
Black - Auto/Man Indicate	7	6	Orange - Side Bending Safety Sw Indicate



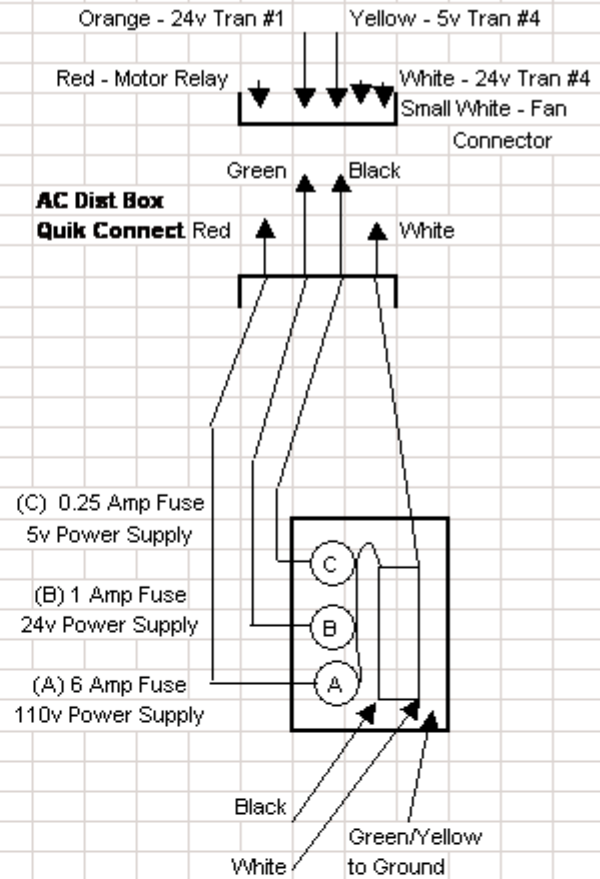
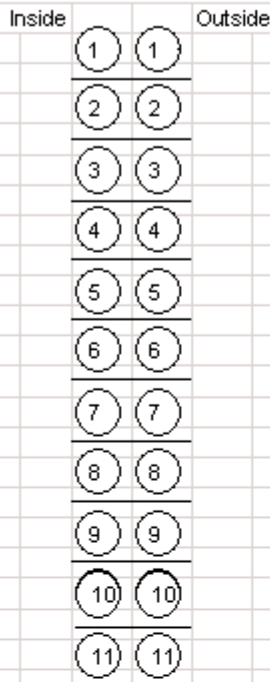
J3 Plug (Into rear of Auto Flexion Board)

As per numbering on Auto Flex Panel (Not Connector)



Terminal Strip (# 30360)

See Legend Below



Terminal Strip Key

	Inside	Outside
1		
2	Orange - Harness (Junc Box)	Orange - Tilt Down Shutoff Switch
3	Black - Jumper to TS 5	Black - Tilt Down Shutoff Switch
4	Yellow - Harness (Junc Box)	White - Auto Drop Tape White - Auto Drop Tape
5	Black - Jumper from 3 Black - Jumper to 7	White - Auto Drop Tape White - Auto Drop Tape
6	Brown - Harness (Junc Box)	Green/Yellow - Flexion Pedal
7	Black - Jumper from 5 Black - Jumper to 10	Black - Flexion Pedal
8	Blue - Harness (Junc Box)	White - Flexion Pedal
9	Green - Harness (Junc Box)	Green/Yellow - Directional Foot Pedal
10	Black - Junction from 7 Black - Harness (Junc Box)	Black - Directional Foot Pedal
11	White - Harness (Junc Box)	White - Directional Foot Pedal

4 - Pin Logic Board Connector & Harness Tran

5 Volt (-)	Black	Black - 5v Tran #4
5 Volt (+)	White	White - 5v Tran (+) 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.

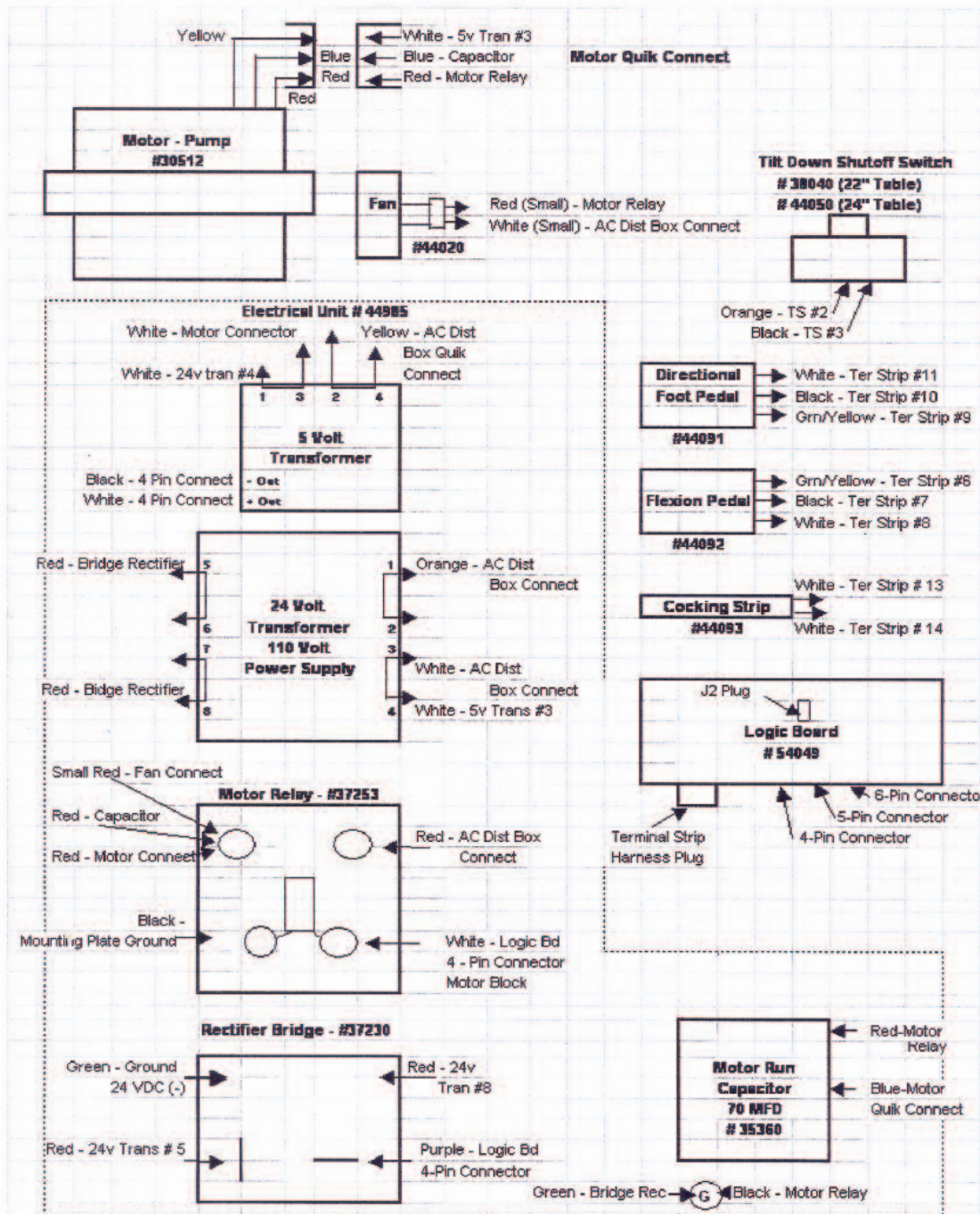
5 - Pin Logic Board Connect & Harness (Motor Block)

Release	Green - Release Valve Coil
Tilt	Orange - Tilt Valve Coil
Drops	Red - Auto Drop Valve Coil
Motor	White - Motor Relay
	Empty

6 - Pin Logic Board Connector & Harness (Flex Block)

Retract Pelvic	Black - Pelvic Retract 4-Way
Extend Pelvic	White - Pelvic Extend 4-way
Flex Up	Light Green - Flex Up Valve
Flex Down	Red - Flex Down Valve
Retract Head/Chest	Blue - Head/Chest Ret 4-Way
Extend Head/Chest	Brown - Head/Cht Ext 4-Way

AUTO FLEXION LOGIC BOARD



A.C. POWER SCHEMATIC

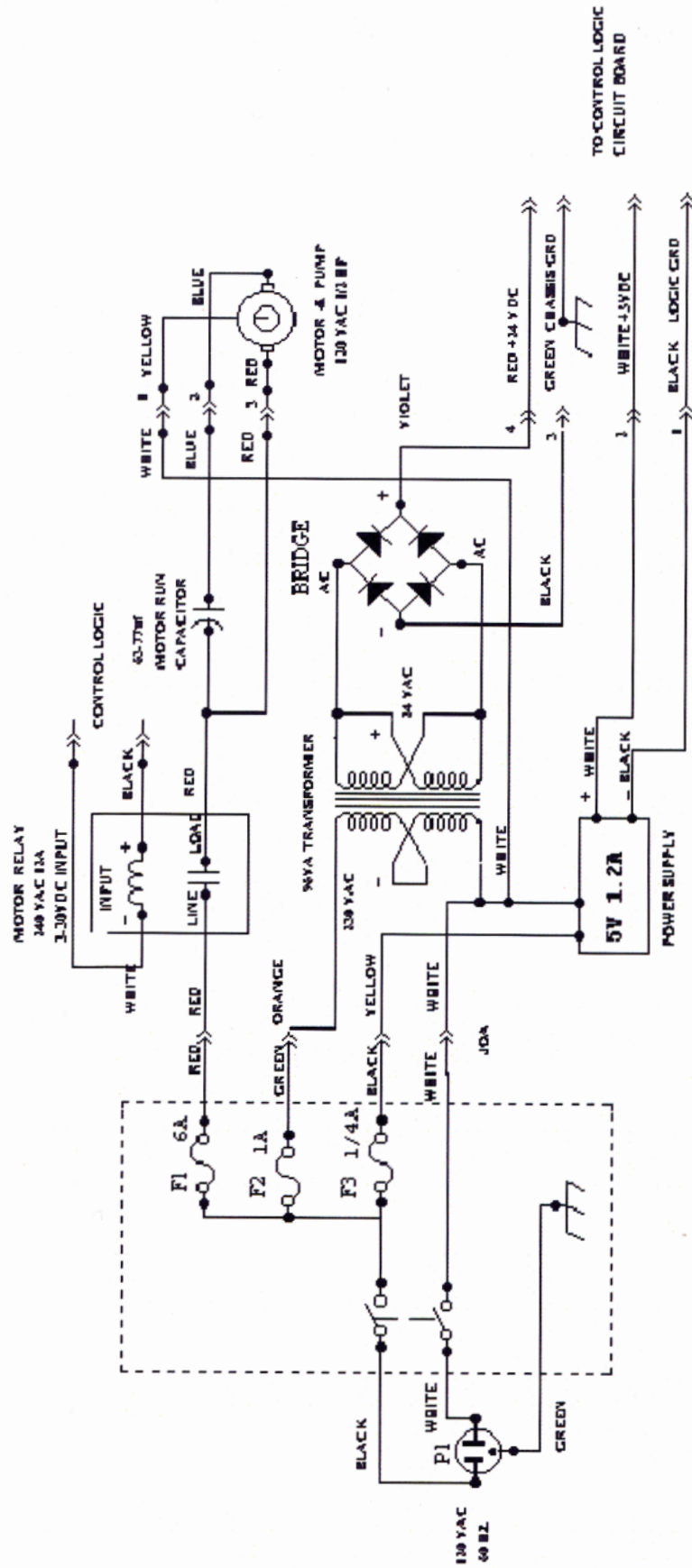


TABLE MAINTENANCE SCHEDULE

Refer to the Maintenance Section on Page 2 for Preventative Maintenance tips. For your convenience a table maintenance schedule has been provided to keep track of all repairs and parts purchases.

Purchase Date _____

Table's Serial Number _____

Local Service Representative _____

Date

Part Number

Qty

*****Always include the table's serial number when calling Lloyd Table Company Service Department*****

**Telephone: 319-455-2110
2166**

Toll Free: 800-553-7297

Fax: 319-455-

LLOYD TABLE COMPANY

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