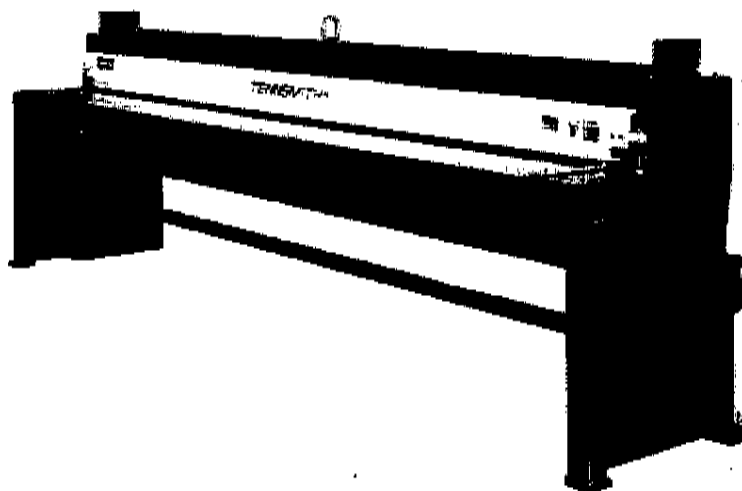


TENNSMITH®



*manual
shown*

Operation, Parts and Maintenance Manual Model SK1020

| | |
|-----------|----------------------|
| Model: | Prepared for: |
| Serial #: | Date of Manufacture: |
| Options: | Inspected By: |
| | Notes: |

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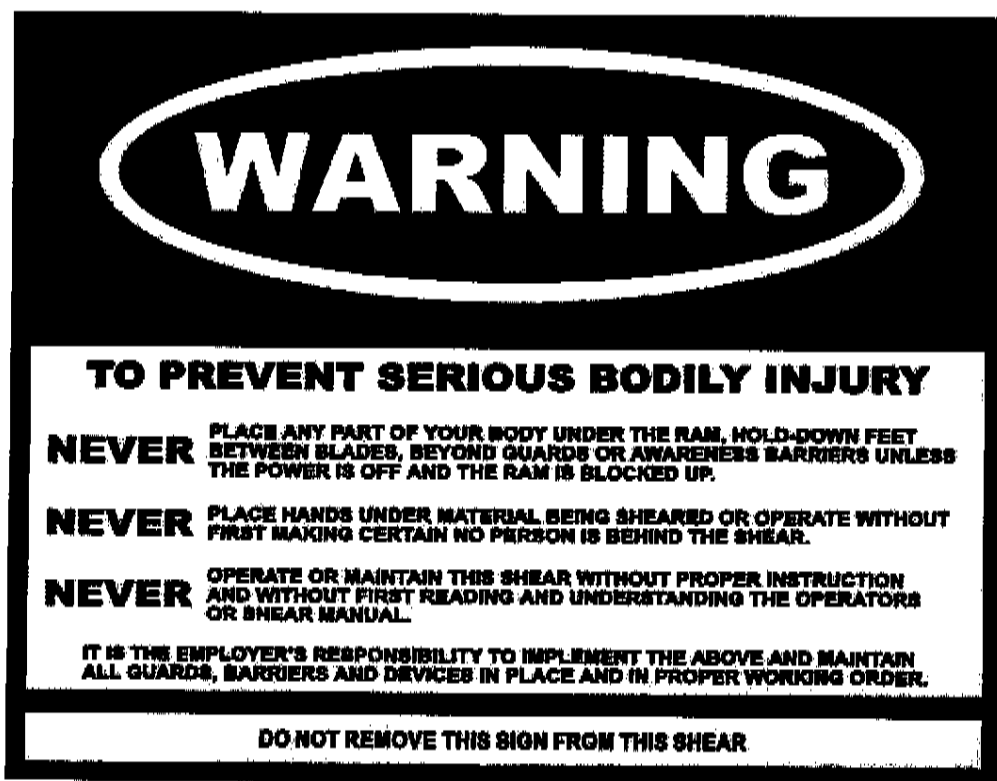
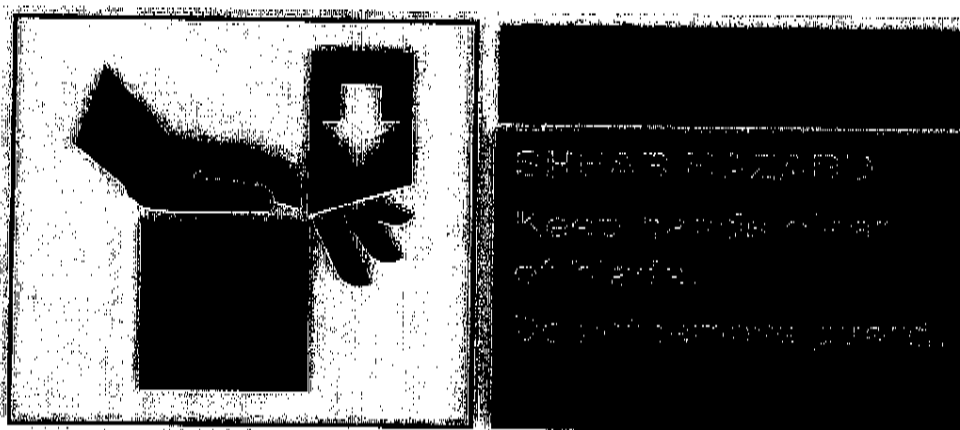
**SK1020 SHEAR SPECIFICATIONS**

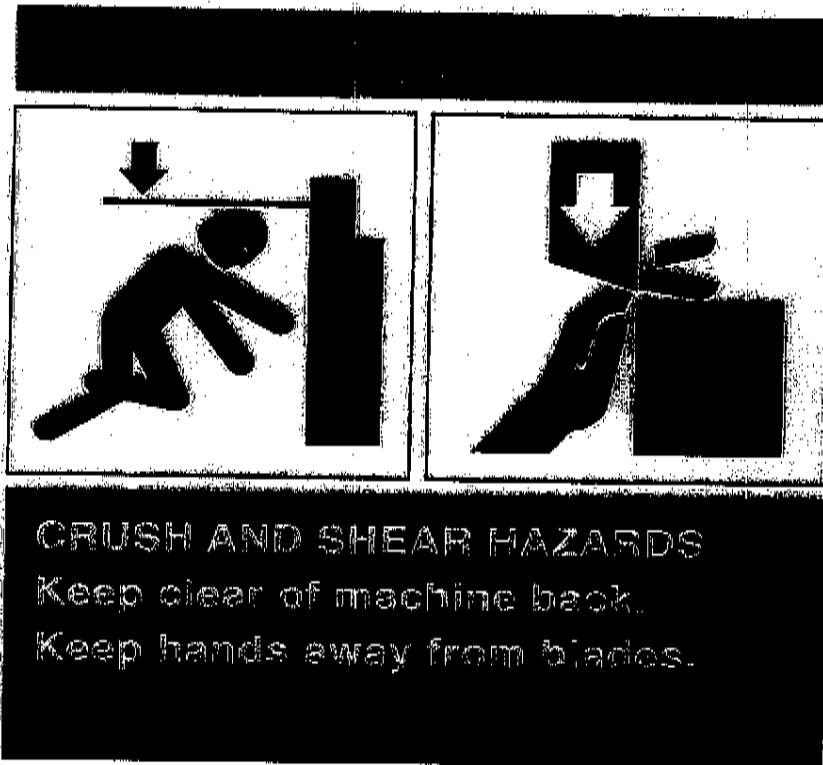
| | |
|---|----------------------|
| Maximum Shearing Capacity, Mild Steel | 20 gauge/1,0mm |
| Maximum Capacity of Mild Steel is rated at 80,000 psi tensile 44,000 yield | |
| Maximum Shearing Capacity, Stainless Steel | 24 gauge/ 0.61mm |
| Maximum Capacity of Stainless Steel is rated at 90,000 psi tensile 55,000 yield | |
| Maximum Cutting Length | 121 in/ 3073 mm |
| Back gauge Range | 24 in/610 mm |
| Number of Hold downs | single bar |
| Overall Dimensions, Less Gauges, LxWxH | 132x 27 x 55-1/2 in |
| Floor Space, Gauges in Position | 132 x 60 x 55-1/2 in |
| Machine Weight | 2,900 lbs |

ATTENTION

Please verify that the following safety decals are attached to the SK Shear. If you do not locate all of the decals, please contact Tennsmith to replace any missing or unreadable safety labels.

NEVER operate this machine without the proper safety labeling.





SAFETY INSTRUCTIONS

1. Do not operate service or perform maintenance prior to reading and understanding the instruction manual. Become familiar with and understand the hazards and limitations of your shear.
2. Wear approved eye protection and protective footwear while operating the machine.
3. Keep hands and body parts clear of the hold down, cutter head and blade area.
4. Do not exceed the rated capacity of the machine.
5. Do not remove guards unless required to service the machine. Replace all protective covers prior to operation.
6. Always wear gloves to protect your hands when handling the shear blades.
7. Insure that the point of operation safeguarding is provided, used and maintained for any applicable use or service which exposes bodily hazards. For more details please refer the ANSI Standards for Shear Operations.
8. Keep the Work area around this machine clear and clean to avoid tripping or slipping.

INSTALLING THE SHEAR

The unit is shipped with a lifting bolt attached on the top of the cutter head. The shear should be lifted and positioned by using a sling or chain passed through the lifting bolt.

CAUTION: The shear weighs approximately 3,000 lbs. net. Be sure to verify the maximum load permissible for a given chain or sling.

Locate the machine in a well lighted area on a solid level floor. Use lag screws or bolts with expandable shields or similar holding devices through the mounting holes on each of the unit's side panels (22,51) The center line dimensions for the foundation holes can be found on the diagram supplied with the manual on page (22).

The shear must be securely anchored to the floor and leveled before operating. Check the level of the shear with a machinist level both along the length and depth of the machine. Use the leveling screws (35) provided with the machine to achieve proper level. It may be advisable to slip a small section of light gauge sheet metal under the leveling screws so that their adjustment will not penetrate the floor.

OPERATING THE SHEAR

First install the two pull down levers (30). Locate the levers at either end of the machine. Secure each lever in the handle hub (25). Using the set screw secure the levers in place. To operate the shear simply pull the lever (30) towards the front of the machine. The cutter head will now lower. To raise the cutter head push the lever (30) towards the rear of the machine. This will raise the cutter head to the top position.

Note: The maximum shearing capacity of the Model SK1020 is 20 gauge mild steel. Shearing any material beyond the rated capacity can damage the shear.

Operating the shear at maximum capacity should be performed by two operators.

BLADE CLEARANCE

The blade clearance on the SK1020 was set at the factory to .003 in. on the ends of the blades with a .002 gap in the center of the machine. At this setting, your shear should provide satisfactory results over a broad range of materials and thickness. However, when shearing lighter gauge materials a tighter blade gap may be desired. Also, upon turning the blades to a new edge or after re-sharpening the blades, the blade clearance must be reset.

CAUTION: Checking the blade gap will require removing the hold down / finger guard (57). Do not operate the shear without the guard in place. To check the blade clearance, set the machine to the jog mode and jog the cutter head down so that the blades just overlap at the point at which the inspection is to take place.

WARNING: Use a feeler gauge to make the measurement.

Section 1.01 The blade clearance adjustment is made in the following manner:

1. Loosen the two table locking bolts (49) located near the mid-section of each side panel and then retighten the bolts hand tight.
2. Loosen the four table bolts (43), again reasserting only a slight amount of pressure back to each one.
3. The table positioning screws (20) located at both ends of the table are the means used to achieve the proper blade clearance. The forward screw pushes the table and bottom blade toward the cutter head. Likewise, the rear screw adjusts the blade back, thus increasing the clearance. To set the clearance, place a feeler gauge of the same thickness as the desired clearance between the two blades. Adjust the forward screw outward until the feeler gauge is locked between the blades and cannot be removed. Then adjust the rear screw in the opposite direction until the gauge stock is freed. The opposing actions of the screws serve to attain a tight, positive setting.
4. After setting the clearance on both ends of the machine, retighten the four table bolts and the two locking bolts.
5. The blade clearance in the center of the machine controlled by adjusting the center truss located at the rear of the cutter head. The blade clearance in the center of the shear should be set at least .001 closer than the dimension chosen for the ends of the blade.
6. Reposition all protective guards and covers.

Please contact the factory if you have any question regarding this procedure.

REPLACING/ROTATING BLADES

The blades on the SK Series shears are four edged blades constructed of high carbon, high chromium tool steel. Top and bottom blades are interchangeable. Upon utilizing all four edges of you blades, you may return the blades to the factory for re-sharpening or to a qualified blade re-sharpener, such as a blade manufacturer.

To remove and reposition the blades, the procedure is as follows:

1. Removal of the top blade. **CAUTION: Use gloves when handling the blade to protect your hands.** Place a wood block wedge between the upper and lower blades. Loosen the top blade bolts starting at the ends of the blade working toward the center. Rotate the blade to a new cutting edge and reversing the procedure, reinsert and snug the bolts working from the center out to each end.
2. With all bolts in place, securely torque the bolts while insuring that the blade is properly seated in the machined blade slot of the cutter head by using either a brass or wood pry bar.
3. Repeat the above procedures similarly to reposition the bottom blade.
4. Use the procedures outlined in the **BLADE CLEARANCE** section of this manual to reset the proper baled gap. **CAUTION: Upon repositioning the shear blades, it is imperative that the bottom blade be adjusted well clear of the top blade before attempting to jog the cutter head down to make the blade clearance adjustment. Otherwise, crashing of the blades could result in severe damage to the machine.**
5. Reposition the hold down assembly.

BACKGAUGE INFORMATION

The SK shear is fitted with a rear operated back gauge as standard equipment. The gauge was installed and calibrated at the factory and shipped intact mounted on the shear. Inspect the gauge carefully to determine any possible movement or damage in transit.

The gauge has 24 inches of travel. To verify the back gauge was not disturbed during shipping, rotate the hand wheel bringing the gauge into contact with the bottom blade. The display should now read zero. If the display has a value other than zero and gauge is in fact in contact with the bottom blade, the unit must be adjusted.

ADJUSTING the BACKGAUGE

When adjusting the back gauge, first determine that the two upper support shafts (123) are inserted into the welded collars at the rear of the cutter head at equal amounts. The factory setting is 1.5 inches from the face of the collar to each of the front two support brackets (128). Upon verifying this dimension, notice that each support bracket has a hex head bolt threaded into the body of the bracket. When the gauge is brought in to a zero reading on the display, the head of these bolts contact the adjusting blocks (127) and provide for a more definite stop for the readout. To perform the adjustment, bring the adjusting blocks in contact with the bolts and then adjust the threaded rods (109) connected to the stop (100) so that the stop is flush against the bottom blade at both ends of the shear. Be certain to retighten the lock nuts (115) of the threaded rod.

MAINTENANCE

On a monthly basis, remove the top cover (11) of each side panel and grease the gib plates (9, 10, 15). This can be best accomplished by positioning the cutter head down to the extreme down-stroke position, thus exposing a majority of the gib surface. Also each month, apply grease to the zerk fitting of the support bearings (53) of the drive linkage shaft (55). Otherwise, periodic lubrication with a good grade of machine oil to the remaining moving parts such as those associated with the linkage are of the self-lubricating, oil impregnated composition. Additionally, the manufactures recommended maintenances schedule for the power unit of the shear is included in this manual as an appendix.

SK SERIES 3-YEAR LIMITED WARRANTY

TENNSMITH machinery and component parts are carefully inspected at various stages of production and are tested and inspected prior to shipment. We agree that for a period of twelve (12) months from the date of delivery from our authorized distributor to replace, at our option, any machine (or component part thereof) proving defective within the above period. Additionally, we agree that for a period of thirty-six (36) months from date of delivery to replace component parts proving defective within the stated period. All warranty claims are made F.O.B. our plant, providing such machine (or component part) is returned freight prepaid to our plant, or a designated service center of the undersigned, for our examination. This warranty does not include repair or replacement required because of misuse, abuse, or because of normal wear and tear; or electrical components which are warranty by their manufacturer. Further, we cannot be responsible for the cost of repairs made or attempted outside our factory or designated service center without our authorization. No claims for defects will be honored if the name and data place has been remove. This warranty is made expressly in place of all other warranties or guarantees express or implied, with respect to fitness, merchantability, quality or operative ness. This warranty becomes effective only when the accompanying warranty card is fully and properly filled out returned to the factory within ten (10) days from date of delivery.

Hold Down Adjustment

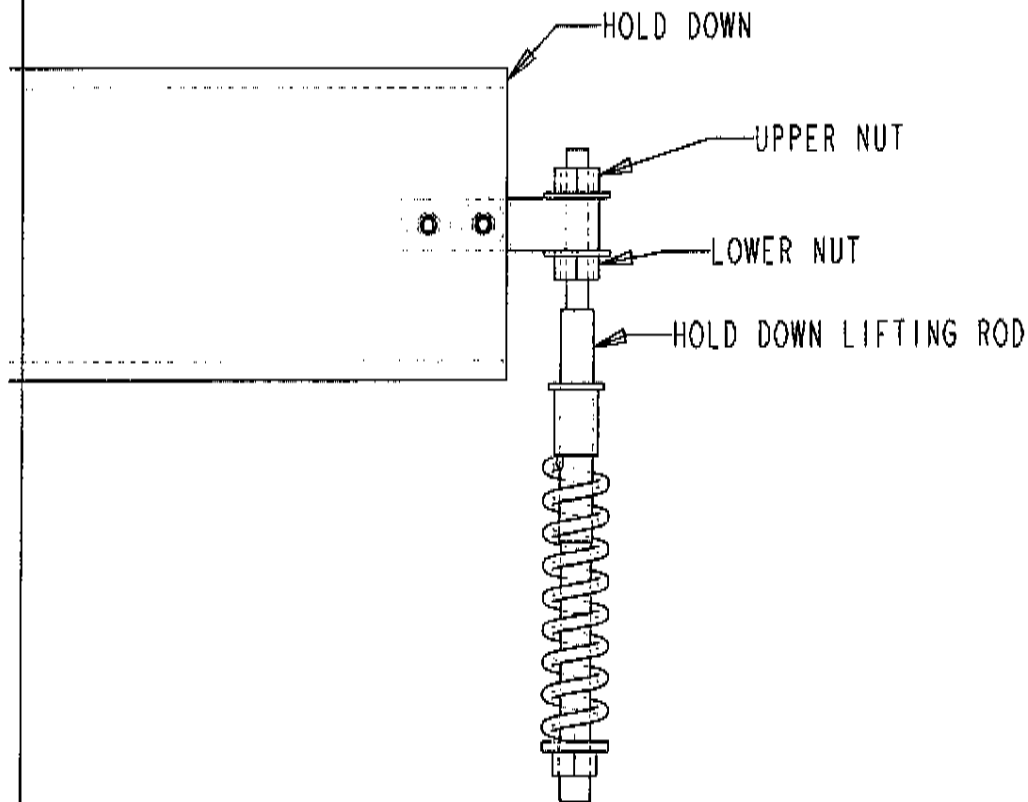
The hold down adjustments are located on each end of the assembly. The upper and lower adjustment nuts are used to raise and lower the assembly according to material thickness.

Never exceed the maximum clearance of 1/8" between the hold down and the table of the shear.

HOLD DOWN ADJUSTMENT

SK1020 ADJUSTMENT PROCEDURE OF HOLD DOWN HEIGHT

1. MATERIAL CLEARANCE MAY BE ACHIEVED BY RAISING OR LOWERING HOLD DOWN ASSEMBLY.
2. RAISE OR LOWER BOTH UPPER AND LOWER NUTS ACCORDINGLY.
3. BOTH ENDS OF HOLD DOWN ASSEMBLY SHOULD BE ADJUSTED EQUALLY.



SETUP OF YOUR HAND SHEAR

BEFORE USING YOUR NEW HAND SHEAR DO THE FOLLOWING:

STEP 1: LEVEL THE MACHINE (SEE BELOW).

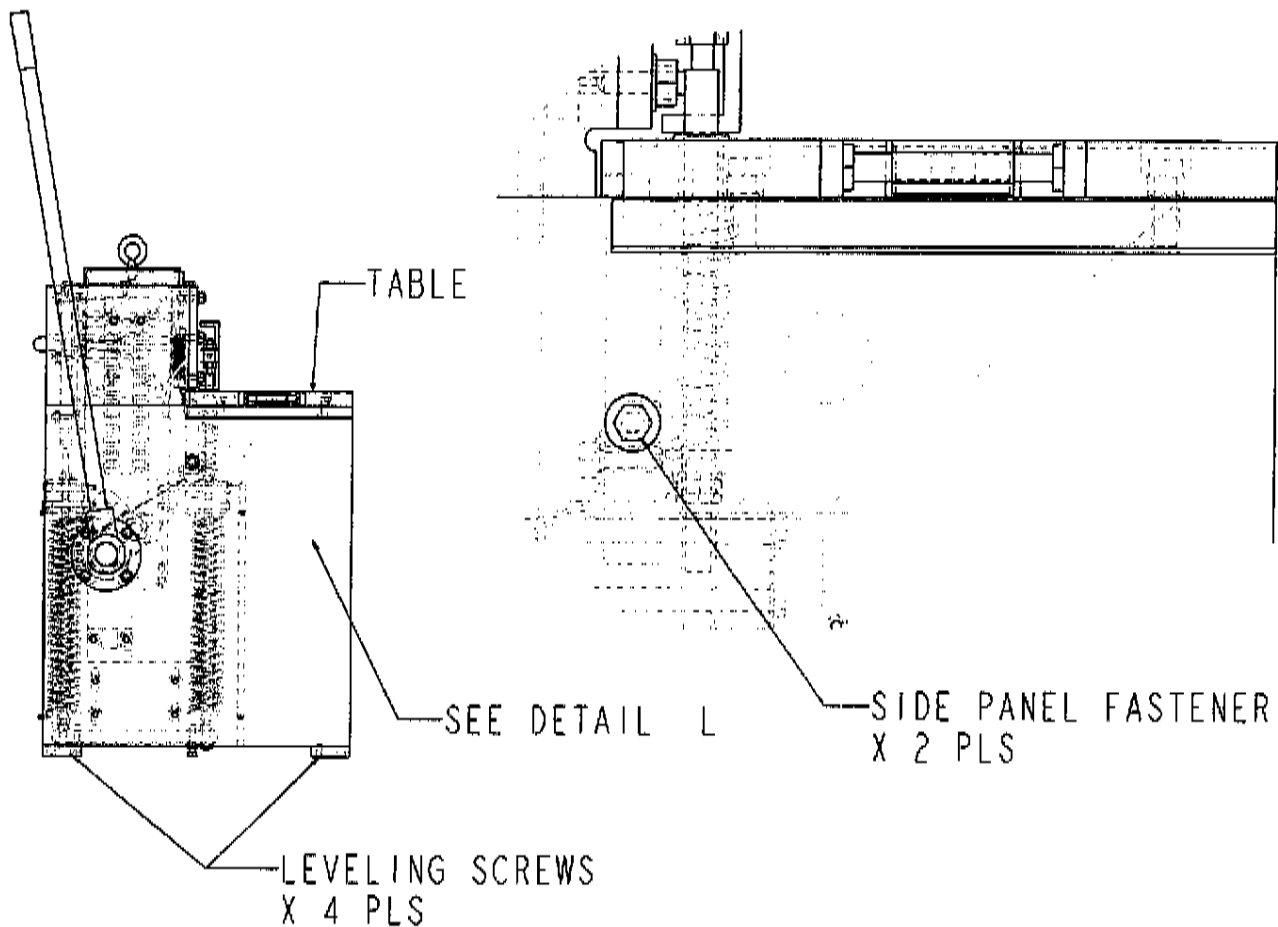
STEP 2: YOUR SPRING KIT SHOULD BE FACTORY ADJUSTED AS ON NEXT PAGE; PLEASE VERIFY THE 3 DIMENSIONS.

LEVELING THE TABLE:

STEP A: UNLOOSE THE SIDE PANEL FASTENERS

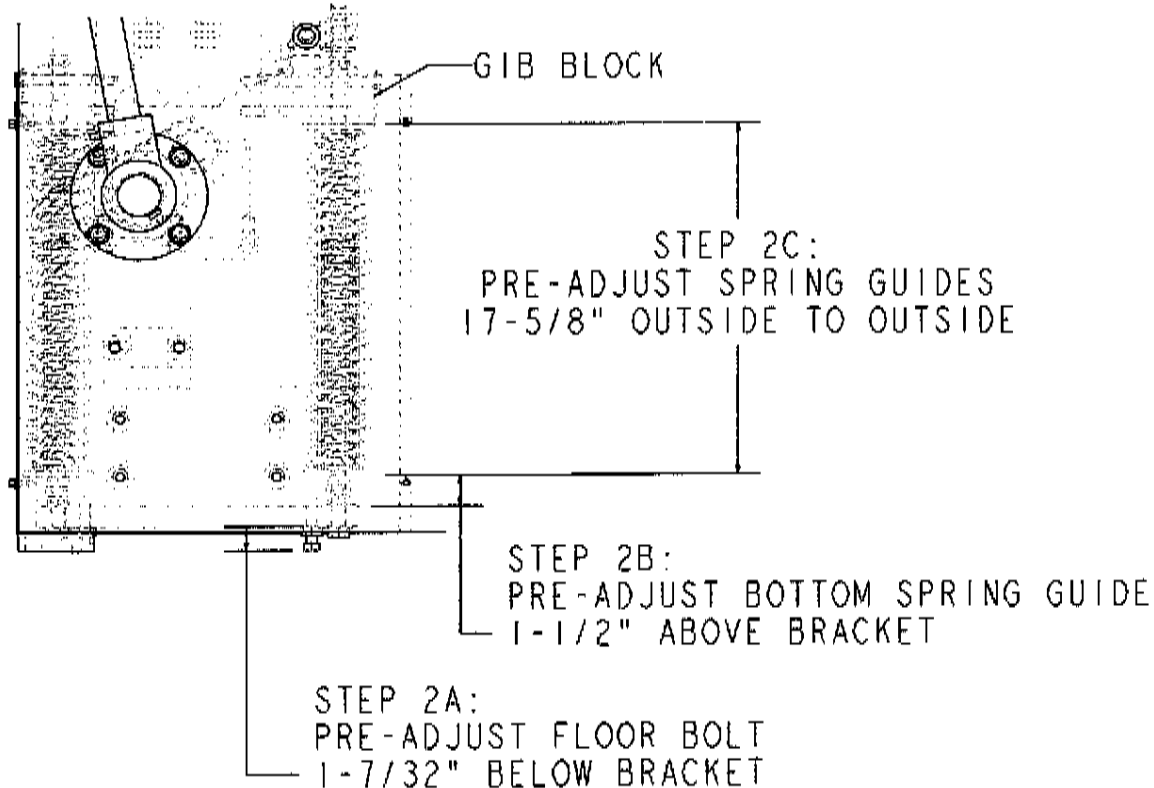
STEP B: GET A LEVEL ON THE TABLE AND ADJUST THE LEVELING SCREWS

STEP C: RETIGHTEN THE SIDE PANEL FASTENERS AND THE JAM NUTS ON THE LEVELING SCREWS



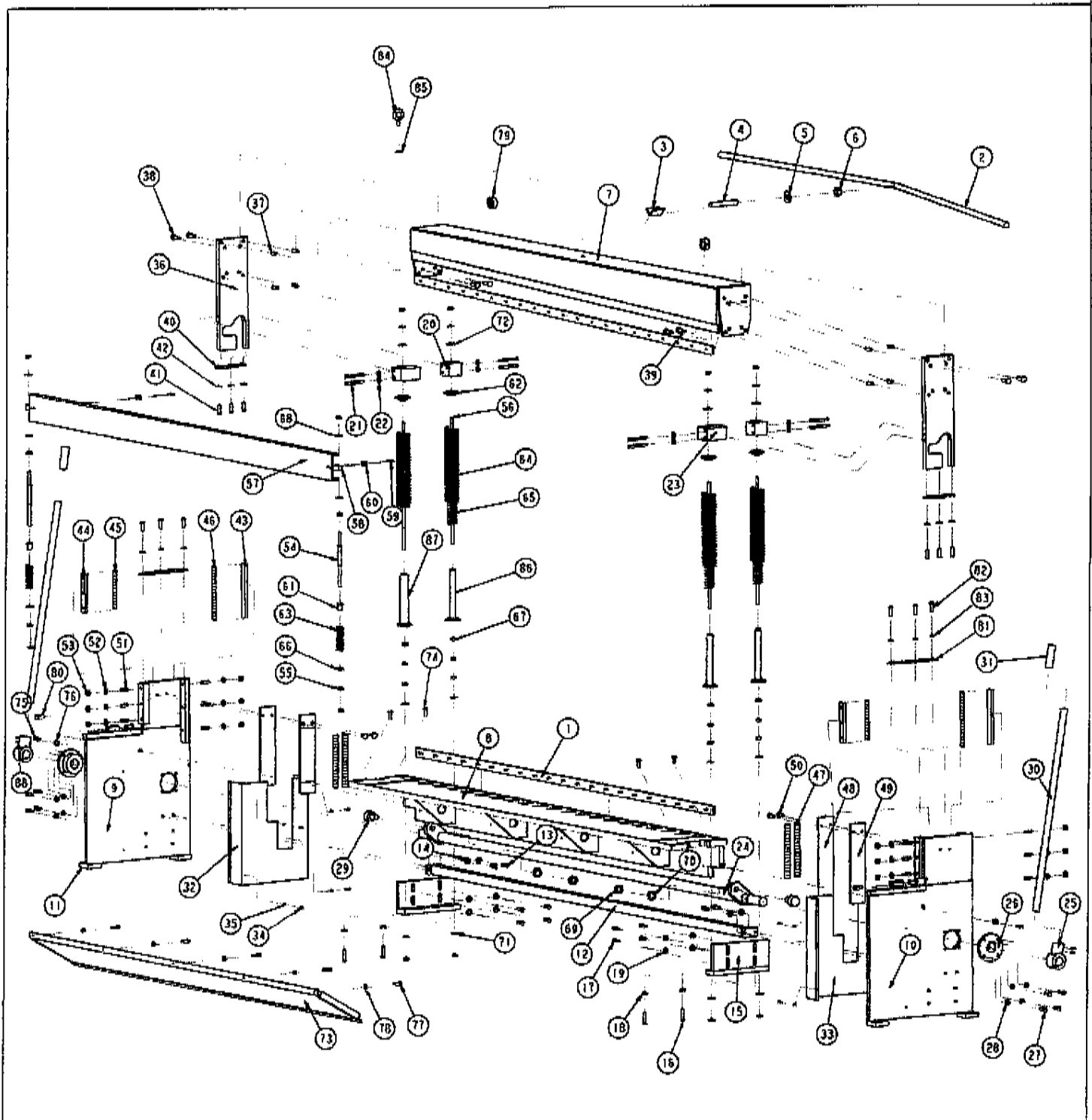
SETUP OF YOUR HAND SHEAR

STEP 2: YOUR SPRING KIT SHOULD BE FACTORY ADJUSTED AS BELOW; PLEASE VERIFY THE 3 DIMENSIONS.



YOU CAN FINE TUNE THE SPRING ADJUSTMENT TO YOUR LIKEING BY RAISING OR LOWERING THE DIMENSION IN STEP 2C, BUT FIRST, GET ANY BINDS OUT OF THE MACHINE BY PERFORMING STEP 1.

MODEL SK1020 HAND SHEAR



MODEL SK1020 HAND SHEAR

| INDEX NO. | PART NO. | DESCRIPTION | NO. REQ'D | INDEX NO. | PART NO. | DESCRIPTION | NO. REQ'D |
|-----------|-----------------|--------------------------------------|-----------|-----------|-----------------|--|-----------|
| 1 | SK1020-050 | BLADE | 2 | 45 | SK1020-137B | GARLOCK PAD - FRONT | 2 |
| 2 | SK1020-103 | TENSION ROD | 1 | 46 | SK1020-137B2 | GARLOCK PAD - REAR | 2 |
| 3 | SK1020-103B | BRACKET - TENSION ROD | 1 | 47 | SK1020-137C | GARLOCK PAD - SIDE | 4 |
| 4 | SK1020-103C | THREADED ROD - TENSION ROD | 1 | 48 | SK1020-137D | GARLOCK MOUNT PLATE - SIDE PANEL | 2 |
| 5 | SK1020-103D | WASHER - TENSION ROD | 1 | 49 | SK1020-137E | GARLOCK SHIM PLATE - SIDE PANEL | 2 |
| 6 | SK1020-103E | NUT - TENSION ROD | 1 | 50 | SK1020-137F | FLATHEAD - GARLOCK MOUNT PLATE | 4 |
| 7 | SK1020-104-SQUA | CUTTERHEAD ASSEMBLY | 1 | 51 | SK1020-138 | SET SCREW - SIDE PANEL GIB | 12 |
| 8 | SK1020-107-TABL | TABLE ASSEMBLY | 1 | 52 | SK1020-139 | LOCK WASHER - SIDE PANEL GIB | 12 |
| 9 | SK1020-108-SIDE | L/H SIDE PANEL ASSEMBLY | 1 | 53 | SK1020-140 | NUT - SIDE PANEL GIB | 12 |
| 10 | SK1020-108-SIDE | R/H SIDE PANEL ASSEMBLY | 1 | 54 | SK1020-151 | ROD - HOLD DOWN SPRING | 2 |
| 11 | SK1020-108D | FLOOR BOLTDOWN | 4 | 55 | SK1020-151A | NUT - HOLD DOWN ROD | 8 |
| 12 | SK1020-109 | SQUARE TUBE ASSEMBLY - MACHINE FRAME | 1 | 56 | SK1020-151B | ROD - CUTTERHEAD SPRING | 4 |
| 13 | SK1020-109C | BOLT - SQUARE TUBE ASSEMBLY | 4 | 57 | SK1020-152 | CHANNEL - HOLD DOWN | 1 |
| 14 | SK1020-109D | LOCK WASHER - SQUARE TUBE ASSEMBLY | 4 | 58 | SK1020-153 | BRACKET - HOLD DOWN | 2 |
| 15 | SK1020-110 | SPRING MOUNT - R/H AND L/H | 2 | 59 | SK1020-153B | BOLT - HOLD DOWN BRACKET | 4 |
| 16 | SK1020-110C | BOLT - SPRING MOUNT FLOOR LEVEL | 4 | 60 | SK1020-153C | WASHER - HOLD DOWN BRACKET | 4 |
| 17 | SK1020-110D | BOLT - SPRING MOUNT FASTENER | 8 | 61 | SK1020-154 | BRONZE BUSHING - HOLD DOWN ROD - TABLE | 2 |
| 18 | SK1020-110E | JAM NUT - SPRING MOUNT FLOOR LEVEL | 4 | 62 | SK1020-154E | SPRING GUIDE - TOP | 4 |
| 19 | SK1020-110F | WASHER - SPRING MOUNT FASTENER | 8 | 63 | SK1020-155A | SPRING - HOLD DOWN | 2 |
| 20 | SK1020-112 | REAR GIB BLOCK | 2 | 64 | SK1020-155B | BIG SPRING - CUTTERHEAD | 4 |
| 21 | SK1020-112B | BOLT - GIB BLOCKS | 8 | 65 | SK1020-155C | LITTLE SPRING - CUTTERHEAD | 3 |
| 22 | SK1020-112C | LOCK WASHER - GIB BLOCKS | 8 | 66 | SK1020-156 | BIG WASHER - HOLD DOWN SPRING | 2 |
| 23 | SK1020-113 | FRONT GIB BLOCK AND HOLD DOWN BLOCK | 2 | 67 | SK1020-157 | NUT - CUTTERHEAD SPRING | 20 |
| 24 | SK1020-120 | PULL DOWN MECHANISM ASSEMBLY | 1 | 68 | SK1020-157A | LOCK WASHER - HOLD DOWN ROD | 4 |
| 25 | SK1020-122 | HANDLE HUB - PULL DOWN MECHANISM | 2 | 69 | SK1020-157B | NUT - CAM FOLLOWER | 2 |
| 26 | SK1020-124 | BEARINGS - PULL DOWN MECHANISM | 2 | 70 | SK1020-157C | LOCK WASHER - CAM FOLLOWER | 2 |
| 27 | SK1020-124A | BOLT - TREADLE BEARINGS | 8 | 71 | SK1020-157D | LOCK WASHER - CUTTERHEAD SPRING | 12 |
| 28 | SK1020-124B | LOCK WASHER - TREADLE BEARINGS | 8 | 72 | SK1020-157E | LITTLE WASHER - CUTTERHEAD SPRING | 4 |
| 29 | SK1020-125 | CAM FOLLOWER - GIB | 2 | 73 | SK1020-190 | BACK CHUTE | 1 |
| 30 | SK1020-126 | LEVER - PULL DOWN MECHANISM | 2 | 74 | SK1020-190C | BOLT - TABLE ASSEMBLY - TOP | 4 |
| 31 | SK1020-127 | STYROFOAM HANDLE | 2 | 75 | SK1020-190E | BOLT - TABLE ASSEMBLY - SIDE | 2 |
| 32 | SK1020-128-L-H | L/H SPRING GUARD | 1 | 76 | SK1020-190F | LOCK WASHER - TABLE ASSEMBLY - SIDE | 2 |
| 33 | SK1020-128-R-H | R/H SPRING GUARD | 1 | 77 | SK1020-190G | BOLT - BACK CHUTE | 5 |
| 34 | SK1020-128A | BOLT - SPRING GUARD | 8 | 78 | SK1020-190H | LOCK WASHER - BACK CHUTE | 5 |
| 35 | SK1020-128B | LOCK WASHER - SPRING GUARD | 8 | 79 | SK1020-192 | MOUNT - BACK GAUGE | 2 |
| 36 | SK1020-132-CAM- | GIB | 2 | 80 | SK1020-209 | ADJUSTMENT SCREW - BOTTOM BLADE | 4 |
| 37 | SK1020-132B | DOWEL PIN - GIB | 8 | 81 | SK1020-211 | TOP COVER - SIDE PANEL | 2 |
| 38 | SK1020-132C | FLATHEAD BOLT - GIB - FRONT SIDE | 4 | 82 | SK1020-211B | BOLT - SIDE PANEL COVER | 6 |
| 39 | SK1020-132D | FLATHEAD BOLT - GIB - BACK SIDE | 4 | 83 | SK1020-211C | LOCK WASHER - SIDE PANEL COVER | 6 |
| 40 | SK1020-133 | END CAP - GIB | 2 | 84 | SK1020-212A | EYEBOLT | 1 |
| 41 | SK1020-133B | BOLT - ENDCAP OF GIB | 6 | 85 | SK1020-212B | LOCK WASHER - EYEBOLT | 1 |
| 42 | SK1020-133C | LOCK WASHER - ENDCAP OF GIB | 6 | 86 | SK1020-214-SMAL | SMALL SPRING GUIDE | 3 |
| 43 | SK1020-136 | SIDE PANEL GIB - REAR - GARLOCK PAD | 2 | 87 | SK1020-215-LARG | LARGE SPRING GUIDE | 1 |
| 44 | SK1020-137A | SIDE PANEL GIB - FRONT - GARLOCK PAD | 2 | 88 | SK1020-216 | SET SCREW - HANDLE HUB ASSEMBLY | 4 |

SK 2x Back gauge Crank Assembly Parts List

| ITEM# | SK PART# | DESCRIPTION | QTY. |
|-------|----------|---|------|
| 83 | 20083 | THRUST WASHER | 5 |
| 85 | 20085 | LOCK WASHER, BOLT, SPROCKET MOUNTING | 8 |
| 86 | 20086 | SPACER RING, SPROCKET MOUNTING | 4 |
| 87 | 20087 | BEARING, SPROCKET MOUNTING | 4 |
| 88 | 20088 | SPROCKET | 8 |
| 89 | 20089 | CHAIN | 1 |
| 102 | 20102 | BOLT, SPROCKET AND SPACER BLOCK MOUNTING | 3 |
| 103 | 20103 | FLAT WASHER, BOLT, SPROCKET SPACER BLOCK | 3 |
| 139 | 20139 | SCREW, CRANK COVER MOUNTING | 4 |
| 140 | 20140 | LOCK WASHER, CRANK COVER MOUNTING | 4 |
| 146 | 20146 | STRIPPER BOLT, IDLER SPROCKET MOUNTING | 3 |
| 147 | 20147 | BEARING, IDLER SPROCKET | 3 |
| 148 | 20148 | IDLER SPROCKET | 3 |
| 150 | 20150 | NUT, STRIPPER BOLT, IDLER SPROCKET | 3 |
| 151 | 20151 | BOLT, IDLER SPROCKET BRACKET MOUNTING | 12 |
| 152 | 20151 | LOCK WASHER, BOLT, IDLER SPROCKET BRACKET | 12 |
| 153 | 20153 | BRACKET, IDLER SPROCKET MOUNTING | 1 |
| 174 | 20174 | BOLT, HANDLE MOUNTING | 1 |
| 175 | 20175 | HANDLE, CRANK | 1 |
| 176 | 20176 | CRANK | 1 |
| 177 | 20177 | NUT, BOLT, HANDLE MOUNTING | 1 |
| 178 | 20178 | SCREW, CRANK MOUNTING | 4 |
| 179 | 20179 | COVER, CRANK | 1 |
| 180 | 20180 | ACEME NUT, LOCK HANDLE | 2 |
| 181 | 20181 | NUT, LOCK HANDLE | 1 |
| 182 | 20182 | LOCK, CRANK BLOCK | 1 |
| 183 | 20183 | STUD, LOCK HANDLE | 1 |
| 184 | 20184 | SPACER, LOCK HANDLE | 1 |
| 185 | 20185 | NUT, LOCK HANDLE MOUNTING | 1 |
| 186 | 20186 | HANDLE, LOCK MOUNTING | 1 |
| 187 | 20187 | SPRING, LOCK HANDLE MOUNTING | 1 |
| 188 | 20188 | SCREW, HANDLE MOUNTING | 1 |
| 189 | 20189 | SPACER, SPROCKET MOUNTING | 1 |
| 190 | 20190 | SCREW, SPROCKET MOUNTING | 4 |
| 191 | 20191 | SPACER, SET SCREW | 1 |
| 192 | 20192 | SET SCREW | 1 |
| 193 | 20193 | STUD, LOCK MOUNTING | 1 |
| 194 | 20194 | SPACER, STUD | 1 |
| 195 | 20195 | BRACKET, IDLER SPROCKET BRACKET MOUNTING | 1 |

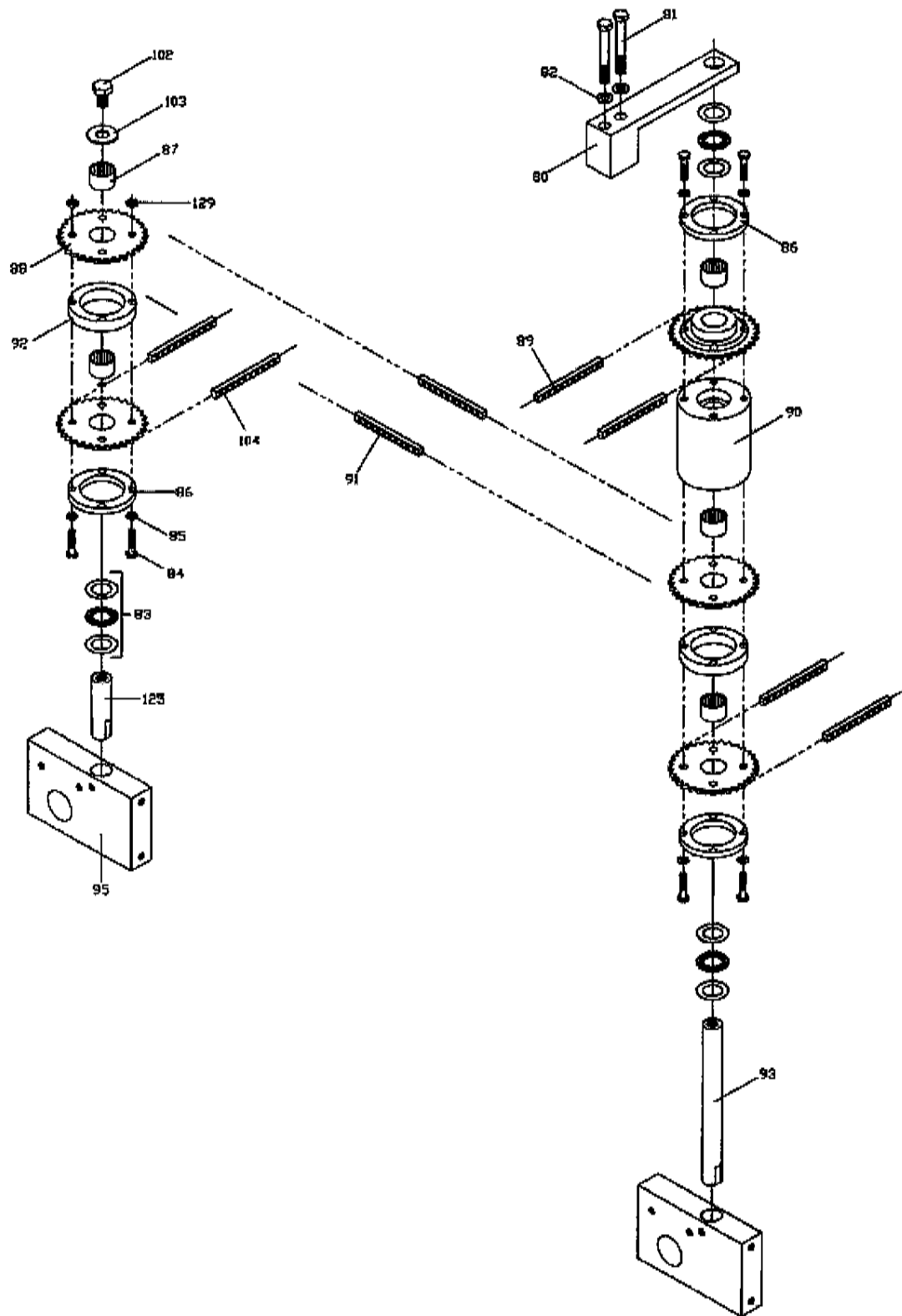
SK 2x Back gauge Pointer Assembly Parts List

| ITEM# | SK PART# | DESCRIPTION | QTY. |
|-------|----------|-------------------------------------|------|
| 160 | 20160 | NUT, SET SCREW, POINTER BLOCK | 2 |
| 161 | 20161 | CLAMP, CHAIN LOCK, POINTER BLOCK | 1 |
| 162 | 20162 | BOLT, CLAMP MOUNTING, POINTER BLOCK | 2 |
| 163 | 20163 | BEARING, POINTER BLOCK | 1 |
| 164 | 20164 | SCREW, POINTER MOUNTING | 2 |
| 165 | 20165 | POINTER, SCALE | 1 |

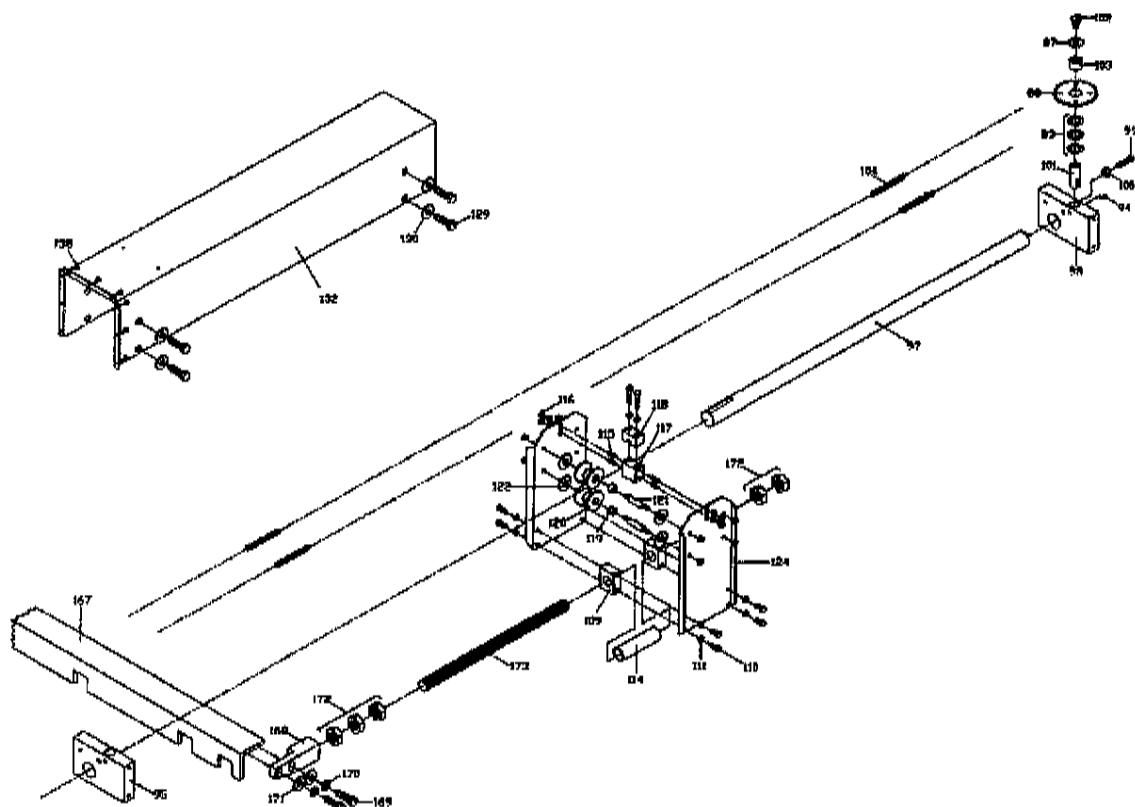
SK 2x Back gauge Drive Assembly Parts List

| ITEM# | SK PART# | DESCRIPTION | QTY. |
|-------|----------|---|------|
| 81 | 20081 | BOLT, BRACE MOUNTING | 2 |
| 82 | 20082 | LOCK WASHER, BOLT, BRACE MOUNTING | 2 |
| 83 | 20083 | THRUST WASHER | 5 |
| 84 | 20084 | BOLT, SPROCKET MOUNTING | 8 |
| 85 | 20085 | LOCK WASHER, BOLT, SPROCKET MOUNTING | 8 |
| 129 | 20129 | LOCK WASHER, BOLT, SPROCKET MOUNTING | 8 |
| 86 | 20086 | SPACER RING, SPROCKET MOUNTING | 4 |
| 87 | 20087 | BEARING, SPROCKET MOUNTING | 4 |
| 88 | 20088 | SPROCKET | 8 |
| 89 | 20089 | CHAIN | 1 |
| 90 | 20090 | SPACER BLOCK, SPROCKET AND CRANK MOUNTING | 1 |
| 91 | 20091 | CHAIN | 1 |
| 92 | 20092 | SPACER RING, SPROCKET MOUNTING | 3 |
| 93 | 20093 | SHAFT, SPACER BLOCK AND SPROCKET MOUNTING | 1 |
| 95 | 20095 | SUPPORT BLOCK, FRONT | 2 |
| 125 | 20125 | SHAFT, SPROCKET ASSEMBLY MOUNTING LEFT | 1 |

SK 2x Back gauge Drive Assembly



SK 2x-R Back gauge Arm Assembly



SK 2x Back gauge Arm Assembly Parts List

| ITEM# | SK PART# | DESCRIPTION | QTY. |
|-------|----------|---|------|
| 94 | 20094 | SET SCREW, SHAFT MOUNTING | 4 |
| 95 | 20095 | SUPPORT BLOCK, FRONT | 2 |
| 96 | 20096 | SET SCREW, SUPPORT BLOCK MOUNTING | 8 |
| 97 | 20097 | SUPPORT ROD | 2 |
| 98 | 20098 | SUPPORT BLOCK, REAR | 2 |
| 99 | 20099 | BOLT, REAR SUPPORT BLOCK ADJUSTING | 2 |
| 100 | 20100 | JAM NUT, BOLT, REAR SUPPORT BLOCK ADJ | 2 |
| 101 | 20101 | SHAFT, SPROCKET MOUNTING, REAR | 2 |
| 102 | 20102 | BOLT, SPROCKET AND SPACER BLOCK MOUNTING | 3 |
| 103 | 20103 | FLAT WASHER, BOLT, SPROCKET SPACER BLOCK | 3 |
| 104 | 20104 | CHAIN, ROLLER ASSEMBLY | 2 |
| 109 | 20109 | SPACER BLOCK AND ROD HOLDER, ROLLER ASSY. | 4 |
| 110 | 20110 | BOLT, SWIVEL AND ROLLER ASSEMBLY | 20 |
| 111 | 20111 | LOCK WASHER, SWIVEL AND ROLLER ASSEMBLY | 40 |
| 114 | 20114 | SPACER, SWIVEL AND ROLLER ASSEMBLY | 2 |
| 115 | 20115 | SET SCREW, BRACKET MONTING ROLLER ASSY. | 8 |
| 116 | 20116 | JAM NUT, BRACKET MOUNTING, ROLLER ASSY. | 8 |
| 117 | 20117 | BRACKET, ROLLER ASSEMBLY | 2 |
| 118 | 20118 | CLAMP, CHAIN LOCK, ROLLER ASSEMBLY | 2 |
| 119 | 20119 | BOLT, CLAMP MOUNTING, CHAIN LOCK | 4 |
| 120 | 20120 | SPOOL, ROLLER ASSEMBLY | 8 |
| 121 | 20121 | SHAFT, SPOOL MOUNTING ROLLER ASSEMBLY | 8 |
| 122 | 20122 | BEARING, SPOOL, ROLLER ASSEMBLY | 16 |
| 123 | 20123 | TEFLON WASHER, ROLLER ASSEMBLY | 16 |
| 124 | 20122 | SIDE PLATE, ROLLER ASSEMBLY | 2 |
| 129 | 20129 | BOLT, COVER MOUNTING | 8 |
| 130 | 20130 | FLAT WASHER, BOLT, COVER MOUNTING | 8 |
| 131 | 20131 | COVER, LEFT | 1 |
| 132 | 20132 | COVER, RIGHT | 1 |
| 138 | 20138 | SCREW, COVER MOUNTING | 18 |
| 167 | 20167 | STOP, BACKGAUGE | 1 |
| 168 | 20168 | BRACKET, STOP MOUNTING LEFT | 1 |
| 168A | 2168A | BRACKET, STOP MOUNTING RIGHT | 1 |
| 169 | 20169 | BOLT, STOP BRACKET MOUNTING | 4 |
| 170 | 20170 | LOCK WASHER | 4 |
| 171 | 20171 | FLAT WASHER | 4 |
| 172 | 20172 | JAM NUT, STOP BRACKET MOUNTING ROD | 10 |

3-YEAR LIMITED WARRANTY

TENNSMITH machinery and component parts are carefully inspected at various stages of production and are tested and inspected prior to shipment. We agree that for a period of twelve (12) months from the date of delivery from our authorized distributor to replace, at our option, any machine (or component part thereof) proving defective within the above period. Additionally, we agree that for a period of thirty-six (36) months from date of delivery to replace component parts proving defective within the stated period. All warranty claims are made F.O.B. our plant, providing such machine (or component part) is returned freight prepaid to our plant, or a designated service center of the undersigned, for our examination. This warranty does not include repair or replacement required because of misuse, abuse, or because of normal wear and tear; or electrical components which are warranty by their manufacturer. Further, we cannot be responsible for the cost of repairs made or attempted outside our factory or designated service center without our authorization. No claims for defects will be honored if the name and data plate has been removed. This warranty is made expressly in place of all other warranties or guarantees express or implied, with respect to fitness, merchantability, quality or operativeness. This warranty becomes effective only when the accompanying warranty card is fully and properly filled out returned to the factory within ten (10) days from date of delivery.

TENNSMITH 

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A Family Tradition Since 1928