

**CENTRAL MACHINERY
INDUSTRIAL®**

10" TABLE SAW

Model 46813

ASSEMBLY AND OPERATING INFORMATION



3491 Mission Oaks Blvd., Camarillo, CA 93011
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For technical questions please call 1-800-444-3353

SPECIFICATIONS TABLE

Item	Description
Electrical Requirements	110V, 60Hz, 2,300 Watts, 22.2 Amps, 3 HP, 3,400 RPM
Overall Dimensions (Assembled)	57-1/2" W x 47" D x 41-1/4"H
Table Dimensions (With Extensions)	44-1/16" W x 27" D
Table Height (From Floor On Stand)	36-1/4"
Arbor Diameter	5/8"
Saw Blade	10" Diameter x 5/8"-24Teeth, Carbide Tip, 5,000 Rated RPM
Maximum Rip Capacity	21" Left Side, 22-5/8" Right Side
Maximum Cut (Front Of Blade)	13"
Maximum Depth Of Cut (At 0°)	3.35"
Angle Of Cut	0°-45° (Left Only)
Miter Scale	0°, 15°, 30°, 45°, 60° Right Or Left
Miter Increments	5° Marks -- Pointer 1° Mark
Miter Adjustments	Fully Adjustable
Front Rail Scale	0" To 23" Left, 0" To 25" Right
Fence Dimensions	2-1/4" W x 36" L x 2-3/4" H
Dust Collection Features	Rear Discharge Port, 2-1/4" O.D.
Tool Accessories	22MM/24MM Open End Wrench, 2.5MM, 3MM, 4MM Hex Keys
Construction	Cast Iron, Aluminum, ABS Plastic, Grade 5 Steel Hardware & Fasteners
Weight	239 Pounds

SAVE THIS MANUAL

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance, and cleaning procedures, parts list and assembly diagrams. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep this manual and invoice in a safe and dry place for future reference.

GENERAL SAFETY WARNINGS AND PRECAUTIONS

1. **KEEP WORK AREA CLEAN AND DRY.** Cluttered, damp or wet work areas invite injuries.
2. **KEEP CHILDREN AWAY FROM WORK AREA.** Do not allow children to handle this product.
3. **STORE IDLE EQUIPMENT.** When not in use, tools and equipment should be stored in a dry location to inhibit rust. Always lock up tools and equipment and keep out of reach of children.

4. **DO NOT USE THIS PRODUCT IF UNDER THE INFLUENCE OF ALCOHOL OR DRUGS.** Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not attempt to use this product.
5. **USE EYE, HEARING, AND BREATHING PROTECTION.** Wear ANSI approved safety impact eyeglasses, hearing protectors, and dust masks or respirator when using this product. ANSI approved safety impact eyeglasses, hearing protectors, dust masks and respirators are available from Harbor Freight Tools.
6. **DRESS SAFELY.** Non-skid footwear or safety shoes should be used when working with this product. Do not wear loose clothing or jewelry as they can become caught in moving parts. Wear a protective hair covering to prevent long hair from becoming caught in moving parts. If wearing a long-sleeve shirt, roll sleeves up above elbows.
7. **INDUSTRIAL APPLICATIONS MUST FOLLOW OSHA REQUIREMENTS.**
8. **DO NOT OVERREACH.** Keep proper footing and balance at all times to prevent tripping, falling, back injury, etcetera.
9. **STAY ALERT.** Watch what you are doing at all times. Use common sense. Do not use this product when you are tired or distracted from the job at hand.
10. **CHECK FOR DAMAGED PARTS.** Before using this product, carefully check that it will operate properly and perform its intended function. Check for damaged parts and any other conditions that may affect the operation of this product. Replace or repair damaged or worn parts immediately.
11. **REPLACEMENT PARTS AND ACCESSORIES.** When servicing, use only identical replacement parts. Only use accessories intended for use with this product. Approved accessories are available from Harbor Freight Tools.
12. **MAINTAIN THIS PRODUCT WITH CARE.** Keep this tool clean and dry, and keep Saw Blades clean and sharp for better and safer performance.
13. **MAINTENANCE:** For your safety, service and maintenance should be performed regularly by a qualified technician.
14. **USE THE RIGHT PRODUCT FOR THE RIGHT JOB.** There are certain applications for which this product was designed. Do not use small equipment, tools or attachments to do the work of larger industrial equipment, tools or attachments. Do not use this product for a purpose for which it was not intended.

SPECIFIC PRODUCT WARNINGS AND PRECAUTIONS

1. **GROUND THIS PRODUCT.** The electrical power cord for this product is equipped with a grounded 3-Prong Plug. Never remove the grounding prong or modify the Plug in any way. Do not use adapter plugs with this product. To comply with the National Electric Code, and to provide additional protection from the risk of electrical shock, the Table Saw should only be connected to a 110 Volt, 3 prong electrical outlet that is protected by a Ground Fault Circuit Interrupter (GFCI).

2. **MAKE SURE THE POWER SWITCH (part #8E) IS IN THE “OFF” POSITION BEFORE PLUGGING IN THE POWER CORD (part #8F).**

3. **DO NOT ABUSE THE POWER CORD.** Do not use the Power Cord (part #8F) to pull the 3-prong plug from a power outlet. Keep cord away from heat, oil, sharp edges, and moving parts. Replace damaged cord immediately. Route the power cord safely. Protect it from being damaged by other equipment in the shop. Do not route the cord where it can be walked on or tripped over.

4. **IF YOU USE AN EXTENSION CORD, MAKE SURE TO USE ONLY UL APPROVED CORDS HAVING THE CORRECT GAUGE AND LENGTH. (SEE FIGURE A.)**

REQUIRED EXTENSION CORD GAUGE						
Nameplate Amperes	Extension Cord Length					
	25'	50'	75'	100'	150'	200'
0 - 5	16	16	16	14	12	12
5.1 - 8	16	16	14	12	10	-
8.1 - 12	14	14	12	10	-	-
12.1 - 15	12	12	10	10	-	-
15.1 - 20	10	10	10	-	-	-

FIGURE A

5. **MAINTAIN A SAFE WORK ENVIRONMENT.** Do not use this product in or near damp or wet areas. Do not expose this product to rain. Keep the work area well lit. Make sure there is adequate surrounding workspace. Use this product in a well ventilated area. Do not operate this product in the presence of flammable liquids, gases, or dust. To avoid accidental electric shock, do not let your body come in contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.

6. **DO NOT FORCE THE EQUIPMENT.** This Table Saw will do the work better and safer at the speed and capacity for which it was designed.

7. **KEEP ALL GUARDS IN PLACE AND IN WORKING ORDER.**
8. **REMOVE ALL ADJUSTING WRENCHES FROM THE TABLE SAW BEFORE TURNING IT ON.**
9. **AVOID UNINTENTIONAL STARTING.** Make sure you are prepared to begin work before turning the Power Switch (part #8E) "ON".
10. **DO NOT USE THIS TOOL FOR CUTTING METALS OR BRITTLE MATERIALS.** Do not cut dangerous materials, such as asbestos that can cause harmful dust or vapors.
11. **ALLOW THE SAW BLADE (part #14-I) TO SPIN UP TO FULL SPEED BEFORE FEEDING WOOD INTO IT.** When turning it off, allow the Saw Blade to spin down and stop on its own. Do not press against the Saw Blade to stop it.
12. **Caution:** Never pass hands directly over the Saw Blade (part #14-I) when cutting the workpiece. Always push the workpiece into the Saw Blade, using an auxiliary handle or push stick (not provided).
13. **DO NOT FORCE THE MATERIAL INTO THE SAW BLADE (part #14-I) WHEN CUTTING.** Apply moderate pressure, allowing the Saw Blade to cut without being forced.
14. **NEVER ATTEMPT TO REMOVE MATERIAL STUCK IN THE MOVING PARTS OF THE TABLE SAW WHILE IT IS PLUGGED IN AND RUNNING.**
15. **TURN OFF THE TABLE SAW IF THE WOODSTOCK IS TO BE BACKED OUT OF AN UNCOMPLETED CUT.**
16. **ALWAYS KEEP HANDS AND FINGERS AWAY FROM THE SAW BLADE (part #14-I).** Use an auxiliary handle or push stick (not provided) at all times.
17. **MAKE SURE THE WORKPIECE IS FREE FROM NAILS AND ANY OTHER FOREIGN OBJECTS WHICH COULD DAMAGE THE SAW BLADE (part #14-I).**
18. **ALWAYS FEED THE WORKPIECE INTO THE SAW BLADE (part #14-I) AND AGAINST ITS ROTATION.**
19. **WARNING:** When replacing the Saw Blade (part #14-I), ALWAYS replace it with a Saw Blade rated at **at least 3,400 RPM** to prevent possible injury.
20. **REDUCE THE RISK OF KICKBACK.** Kickback is caused when the Saw Blade (part #14-I) becomes pinched, miss-aligned, or twisted during the cutting process, resulting in personal injury and/or damage to the tool.

20. *(Continued)* To avoid kickback, keep a firm grip on the workpiece at all times. Support overhanging work pieces; as the work piece is cut and weakens it will sag, causing a pinched Saw Blade. Push the workpiece slower than normal when cutting through knots, pressure treated and green lumber. Do not attempt to force the workpiece back on the cut line if the cut begins to go off line. Make sure to set the depth adjustment of the Table Saw so that one saw tooth of the Saw Blade projects below the work piece.
21. **MAKE SURE THE WORKPIECE IS SUPPORTED AT ALL TIMES DURING OPERATION.** Use a Roller Stand (not provided) with a larger workpiece if necessary.
22. **MAINTAIN CONTROL OF THE WORKPIECE AT ALL TIMES.** Never allow the workpiece to rest on the moving Saw Blade (part #14-l) without safely holding on to the workpiece.
23. **BEFORE TRYING NEW OR COMPLICATED TECHNIQUES, STUDY THE PROCEDURE, AND PRACTICE WITH SCRAP WOOD.**
24. **ALWAYS DISCONNECT THE TABLE SAW FROM ITS ELECTRICAL SUPPLY SOURCE BEFORE PERFORMING ANY SERVICES OR MAINTENANCE.** Turn off and unplug the Table Saw when leaving the work area, moving the tool from one location to another, changing Saw Blades (part #14-l), cleaning sawdust from the unit, etcetera.
25. **NEVER USE UNAUTHORIZED ACCESSORIES.** Never install unauthorized accessories such as shaper cutters, wire wheels, grinding wheels or sanding products.
26. **WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contain chemicals known (to the State of California) to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are: lead from lead-based paints, crystalline silica from bricks and cement or other masonry products, arsenic and chromium from chemically treated lumber. Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals; work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.
(California Health & Safety Code 25249.5, et seq.)
27. **WARNING:** People with pacemakers should consult with their physician(s) before using this product. Operation of equipment in close proximity to a heart pacemaker could cause interference or failure of the pacemaker.

UNPACKING

When unpacking, check to make sure all parts shown on the Parts Lists (pages 27 through 29) are included. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

PRODUCT OVERVIEW

- NOTE:** Prior to operating the 10" Table Saw, make sure you familiarize yourself with the main parts components and their functions. (See Figures B, C, and Assy. Diagrams A through I.)

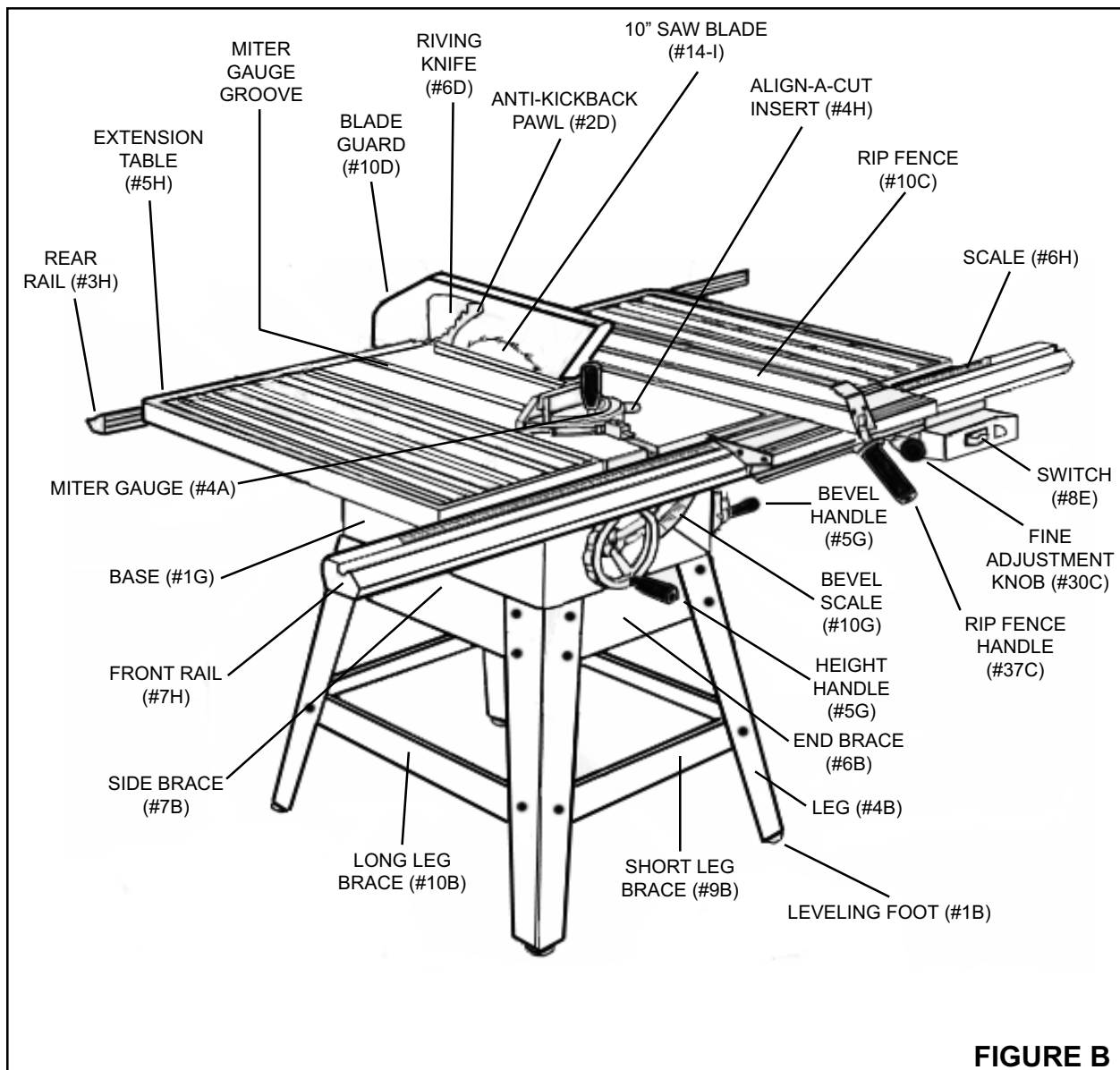


FIGURE C

10" Table Saw Main Parts Components	
Part Name / Part #	Function
Front Rail (#7H), Rear Rail (#3H)	Provides support for the Rip Fence (#10C) and large workpieces.
Left & Right Extension Tables (#5H)	Provides support for large workpieces (removable).
Miter Gauge Groove	The Miter Gauge (#4A) slides in the grooves located on both sides of the 10" Saw Blade (#14-I).
Blade Guard (#10D)	Always keep the Blade Guard down over the 10" Saw Blade (#14-I) throughout the cutting process.
Riving Knife (#6D)	Located directly behind the 10" Saw Blade (#14-I). Supports the Blade Guard (#10D), and keeps cut edges from binding.
Anti-Kickback Pawl (#2D)	Designed to catch and hold the workpiece to prevent injury should kickback occur.
10" Saw Blade (#14-I)	10" Saw Blade is adjusted with Bevel Handle and Height Handle (#5G) located on the side and front of Base (#1G).
Align-A-Cut Insert (#4H)	May be marked to indicate location of sawcut on the workpiece.
Rip Fence (#10C)	Guides the workpiece during the cutting process. Adjusts for width of cut.
Scale (#6H)	Located on the Front Rail (#7H). Use in combination with Rip Fence (#10C) to determine precise measurements in rip cuts.
Switch (#8E)	Located on the Front Rail (#7H). Provides power to the Table Saw. Yellow Switch Key must be inserted into the Switch before Table Saw can be operated. To lock Switch in "OFF" position, remove Yellow Switch Key.
Fine Adjustment Knob (#30C)	Located on the front of the Rip Fence (#10C). Use to make fine adjustments to the desired Rip Fence measurement for precise cutting. Push in on the Knob and turn to position Rip Fence.
Rip Fence Handle (#37C)	Lift Handle up to release Rip Fence. Lower Handle to lock Rip Fence in place.
Bevel Handle (#5G)	Located on right side of Base (#1G). Turn Handle to tilt the 10" Saw Blade (#14-I) for a bevel (angled) cut.
Bevel Scale (#10G)	Located on front of Base (1G). Indicates exact angle (0° - 45°) in which 10" Saw Blade may be positioned.
Height Handle (#5G)	Located on front of Base (1G). Turn Handle to lower or raise Height of 10" Saw Blade (#14-I). Maximum height adjustment: 3.35" at 0°. Also used when replacing 10" Saw Blade.
Leg (#4B)	Provides support for Table Saw.
Long & Short Leg Braces (#10B, #9B)	Provides support for Legs (#4B).
Leveling Foot (#1B)	Turn to level Table Saw on the floor surface.
Base (#1G)	Cast iron construction. 15" wide x 19" deep.
Miter Gauge (4A)	Aligns workpiece for a miter cut. Miter Scale Indicator (#6A) shows exact angle (0°-90° right or left) for a miter cut.

ASSEMBLY INSTRUCTIONS

NOTE: For additional references to the parts listed below, refer to the Assembly Diagrams on pages 29 through 37 of this manual.

WARNING! PRIOR TO PERFORMING ANY ASSEMBLY PROCEDURES, MAKE SURE THE 10" TABLE SAW IS DISCONNECTED FROM ITS ELECTRICAL POWER SOURCE.

To Mount The 10" Table Saw On A Workbench:

1. **NOTE:** If the 10" Table Saw is mounted onto a workbench instead of the Leg Assembly, the workbench surface must have an opening for sawdust to fall through. This opening must be as large as the opening in the bottom of the 10" Table Saw Base (part #1G). A minimum height of 36" from the top of the Base to the floor is recommended. **(See Figure B, and Assy. Diagram G.)**
2. With assistance, set the 10" Table Saw in a desired location on the workbench. **NOTE:** Make sure the workbench provides a flat, level, sturdy surface capable of supporting the weight of the 10" Table Saw, tool accessories, and workpieces.
3. Use the *four* 5/16" mounting holes located at the bottom of the Base (part #1G)) as a template, and mark the two points at which four holes will be drilled through the workbench. Then, temporarily set the 10" Table Saw aside. **(See Figure B, and Assy. Diagram G.)**
4. With a drill and a 5/16" drill bit (not provided), drill four mounting holes downward through the top of the workbench.
5. Align the four mounting holes at the Base (part #1G) of the 10" Table Saw with the four previously drilled holes in the workbench. Then secure the 10" Table Saw to the workbench, using four 5/16" bolts of appropriate length, two lock washers, and two nuts (not provided).

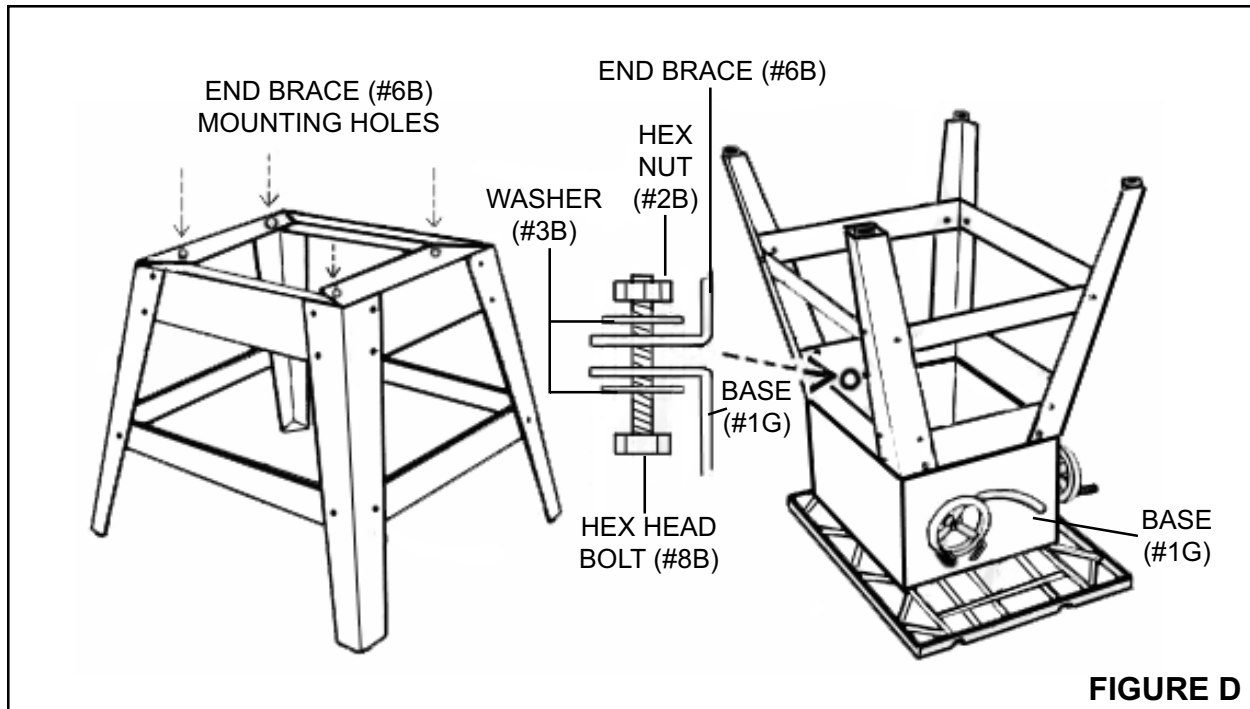
To Assemble The Leg Stand:

1. **NOTE:** Temporarily *finger tighten* all hardware mentioned in this section until the Leg Stand is fully assembled.
2. Attach one Long Leg Brace (part #10B) to the *lower* mounting holes in two Legs (part #4B), using one Carriage Bolt (part #5B), one Washer (part #3B), and one Hex Nut (part #2B) for each Long Leg Brace. Repeat the assembly procedure for the remaining one Long Leg Brace and two Legs. **(See Figure B, and Assy. Diagram B.)**

3. Attach one Short Leg Brace (part #9B) to the *lower* mounting holes in two Legs (part #4B), using one Carriage Bolt (part #5B), one Washer (part #3B), and one Hex Nut (part #2B) for each Short Leg Brace. Repeat the assembly procedure for the remaining one Short Leg Brace and two Legs. **(See Figure B, and Assy. Diagram B.)**
4. Attach one Side Brace (part #7B) to the *upper* mounting holes in two Legs (part #4B), using two Carriage Bolts (part #5B), two Washers (part #3B), and two Hex Nuts (part #2B) for each Side Brace. Repeat the assembly procedure for the remaining one Side Brace and two Legs. **(See Figure B, and Assy. Diagram B.)**
5. Attach one End Brace (part #6B) to the *upper* mounting holes in two Legs (part #4B), using two Carriage Bolts (part #5B), two Washers (part #3B), and two Hex Nuts (part #2B) for each End Brace. Repeat the assembly procedure for the remaining one End Brace and two Legs. **(See Figure B, and Assy. Diagram B.)**
6. Screw one Hex Nut (part #2B) onto the threads of each of the *four* Leveling Feet (part #1B). Then, insert one Washer (part #3B) onto the threads of each of the Leveling Feet. Insert a Leveling Foot, with its threaded portion pointing upward, through the hole located at the bottom of each of the four Legs (part #4B). Insert one Washer (part #3B) onto the threads of each of the Leveling Feet. Then, screw one Hex Nut (part #2B) onto the threads of each of the *four* Leveling Feet. **(See Figure B, and Assy. Diagram B.)**
7. Move the Leg Assembly to the desired floor surface working location. Adjust the Leveling Feet (part #1B) so that the entire Leg Assembly stands level. Then, firmly tighten all hardware, using an appropriate size wrench (not provided). **(See Figure B, and Assy. Diagram B.)**

To Mount The Leg Stand On The 10" Table Saw Base:

1. ***With assistance***, place the 10" Table Saw upside down on a flat, level, smooth surface (i.e., cardboard) on the floor. Then, place the Leg Assembly upside down on the Base (part #1G) of the 10" Table Saw. **(See Figure D.)**
2. Align the two mounting holes on the each of the two End Braces (part #6B) with the two mounting holes on each end of the Base (part #1G). Secure the End Braces to the Base, using four Hex Head Bolts (part #8B), eight Washers (part #3B), and four Hex Nuts (part #2B). **(See Figure D, and Assy. Diagram B.)**
3. **NOTE:** Leave the 10" Saw Table *upside down* for the next assembly procedure.



To Assemble The Extension Tables:

1. With the 10" Table Saw upside down, align the right and left side Extension Tables (part #5H) with the right and left ends of the Table Saw (with the beveled edges in front). **(See Figure E, and Assy. Diagram H.)**
2. Align the *four* mounting holes in each Extension Table (part #5H) with the *four* mounting holes on each end of the 10" Table Saw. Then secure the Extension Tables to the Table Saw, using four Hex Head Bolts (part #11H), eight Washers (part #12H), and four Hex Nuts (#13H). **(See Figure E, and Assy. Diagram H.)**
3. ***With assistance,*** stand the 10" Table saw upright.

To Attach The Front Rail:

1. Insert *five* Square Head Bolts (part #10H) through the mounting holes in the front edges of the 10" Table Saw and Extension Tables (part #5H). Allow the bolt heads to extend out about 1/2". **(See Figure F, and Assy. Diagram H.)**
2. Loosely attach a Washer (part #12H) and Hex Nut (part #13H) to each Square Head Bolt (part #10H). **(See Figure F, and Assy. Diagram H.)**

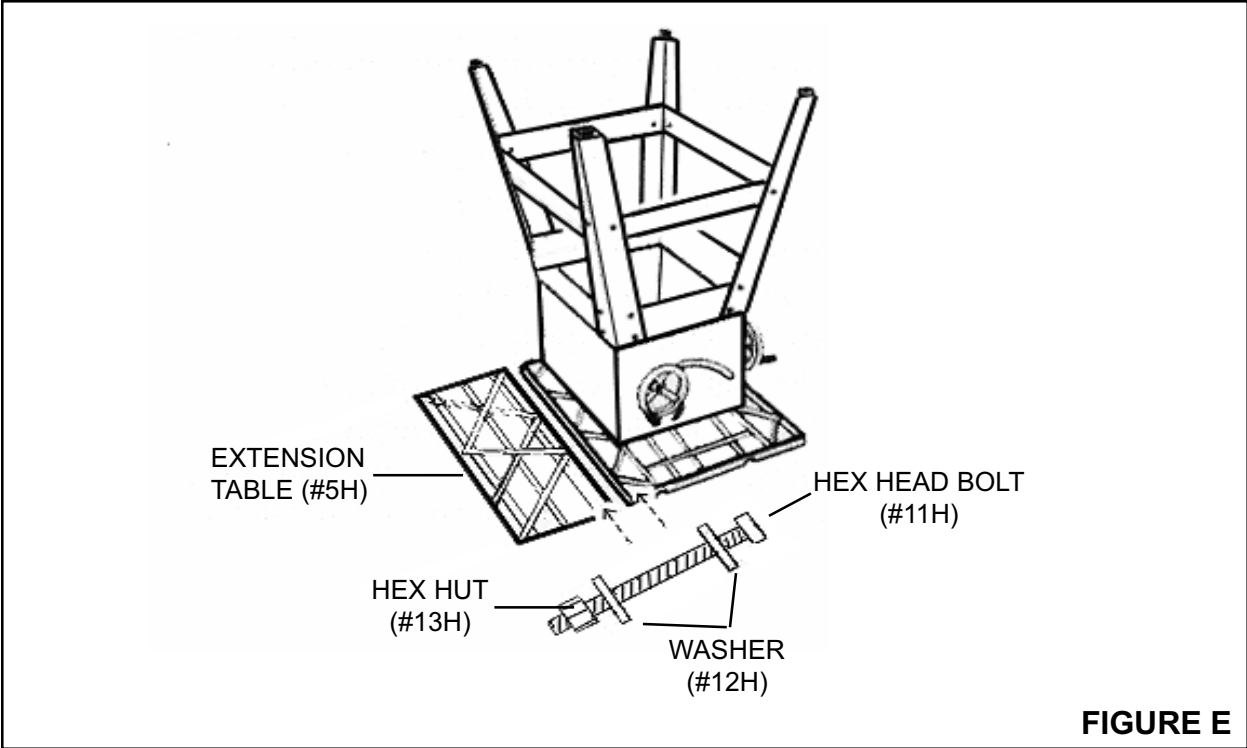


FIGURE E

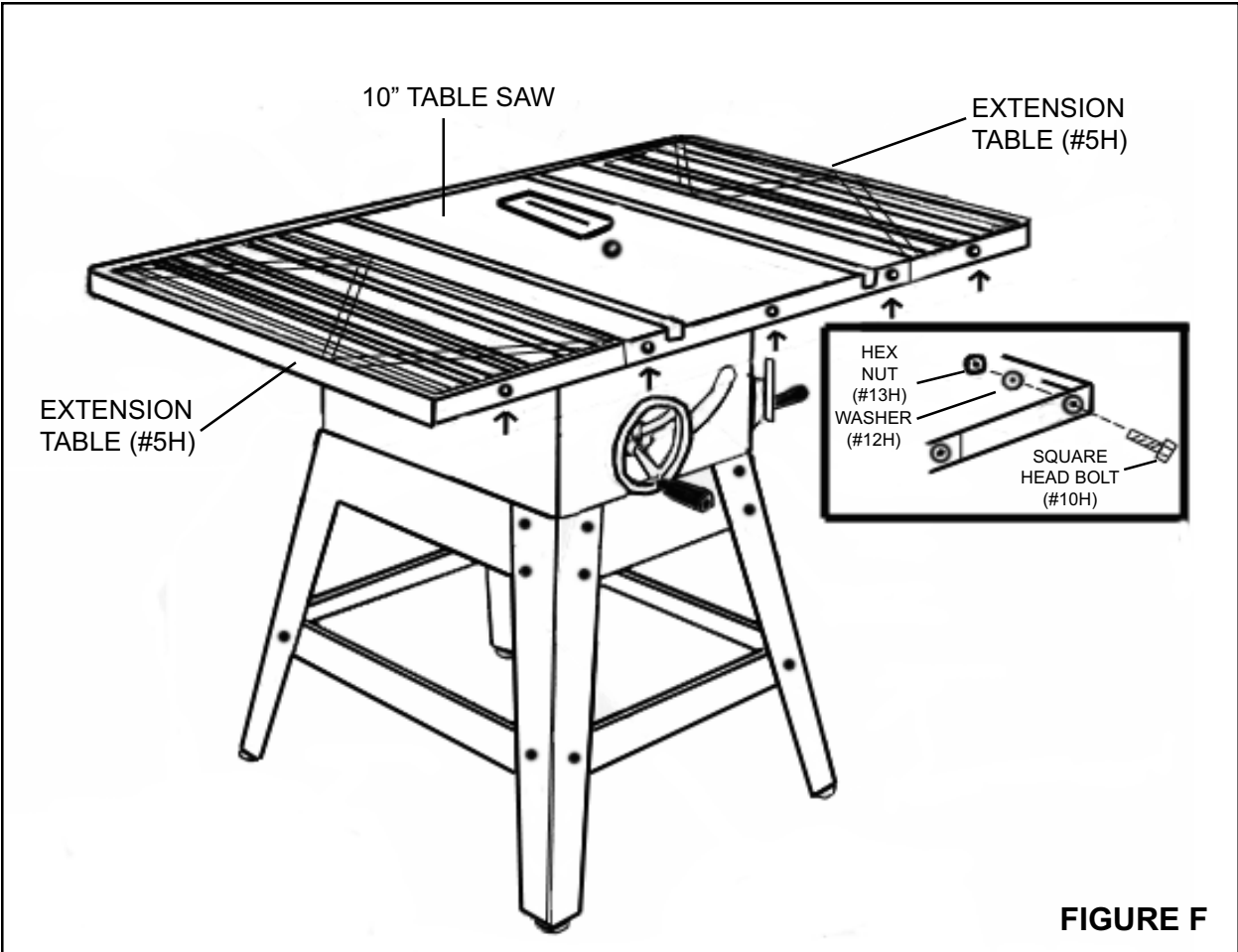
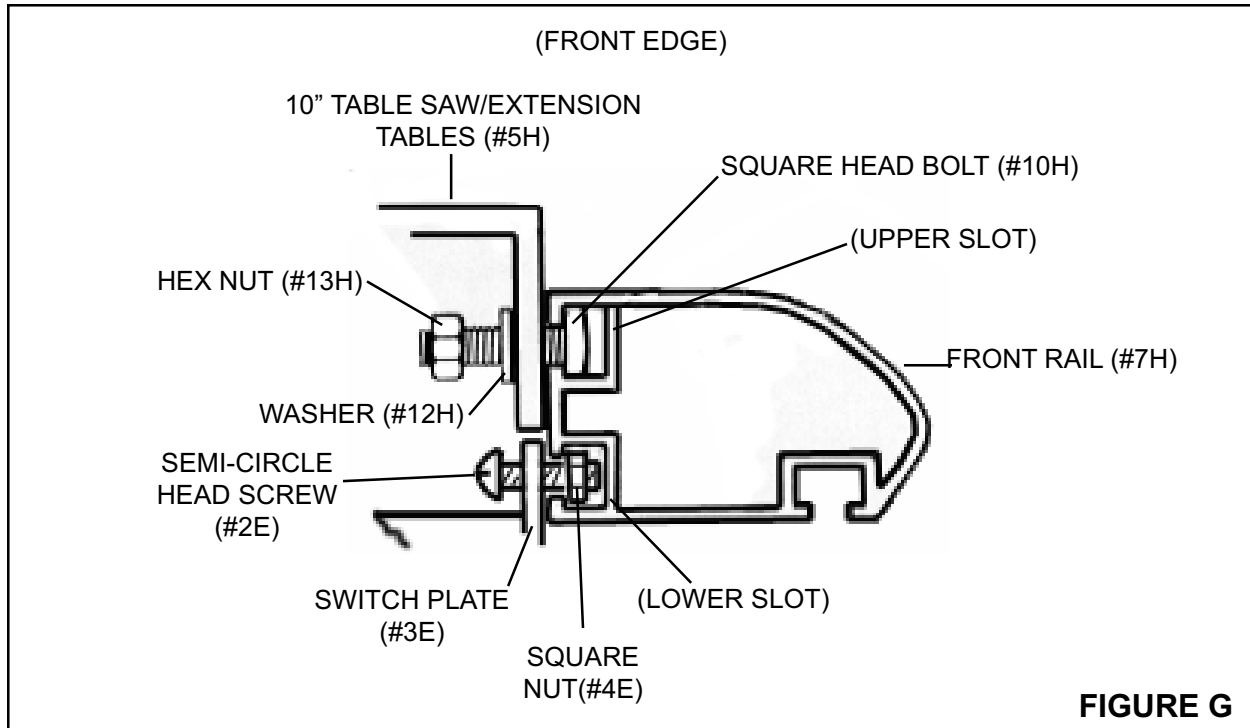


FIGURE F

3. **NOTE:** The back side of the Front Rail (part #7H) has two slots. Slide the upper slot of the Front Rail over the Square Head Bolts (part #10H). (See Figures F, G, and Assy. Diagram H.)

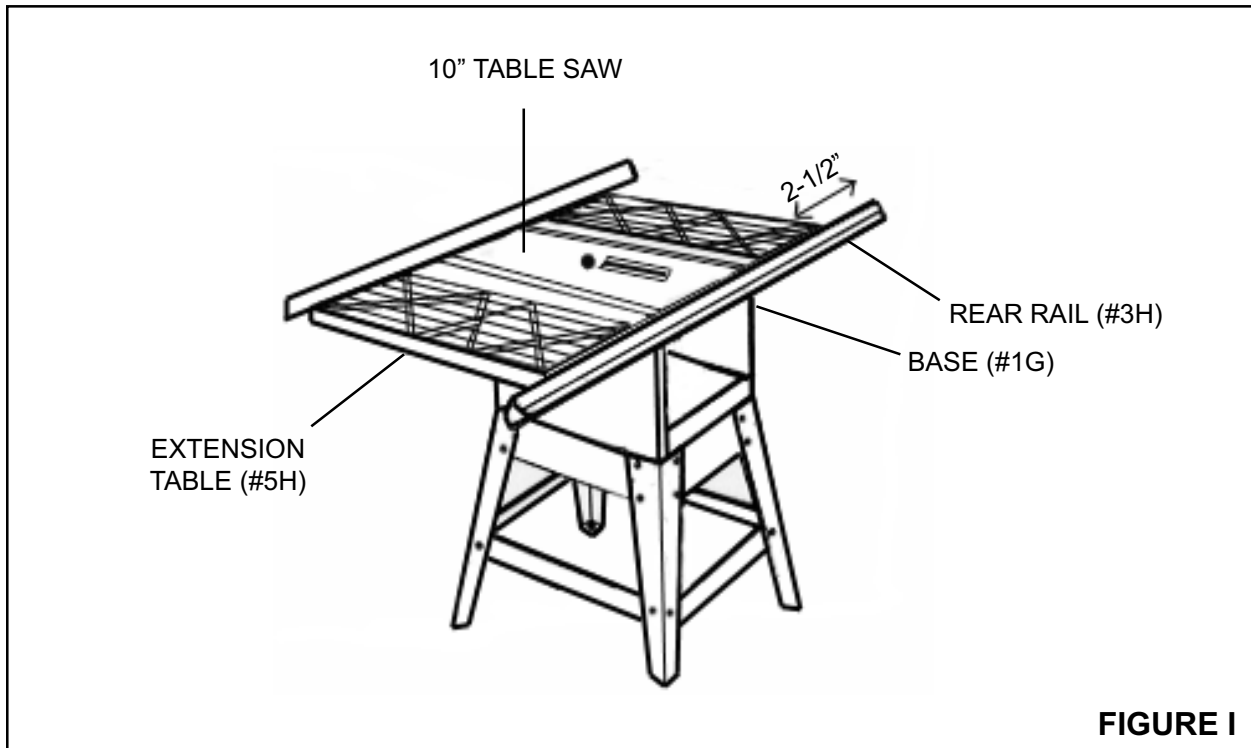
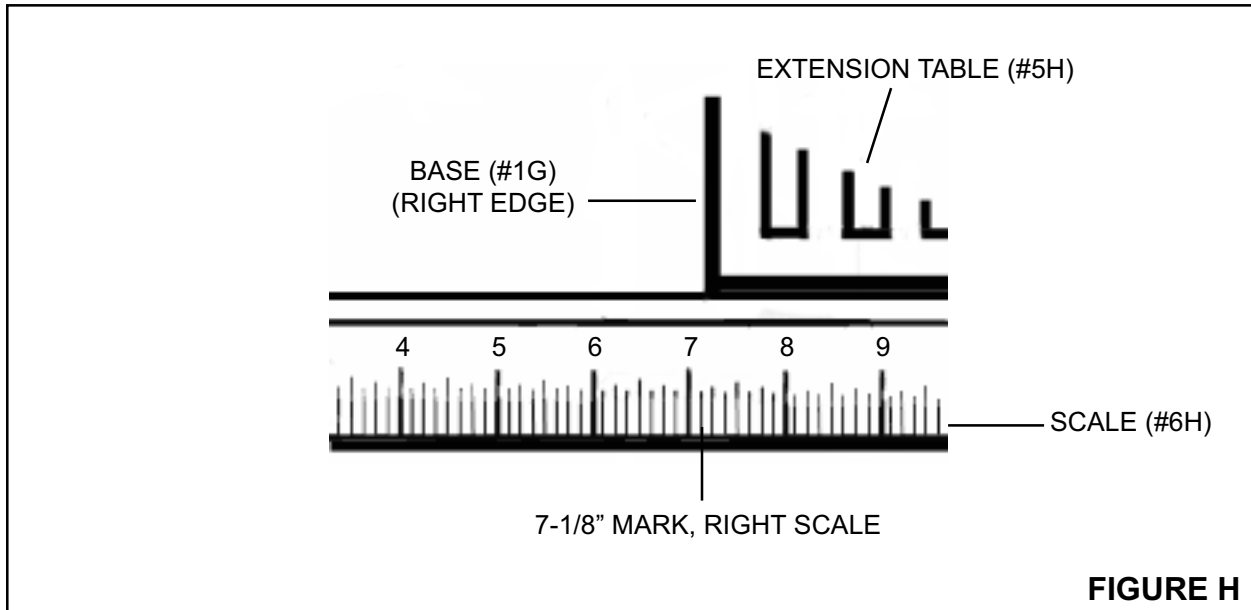


4. To align the Front Rail (part #7H), match the ***7-1/8" mark on the right scale*** with the *right edge* of the 10" Table Saw Base (part #1G). (See Figure H, and Assy. Diagram H.)
5. Wrench tighten all five Square Head Bolts (part #10H). (See Figures F, G, and Assy. Diagrams G, and H.)
6. Secure the Right/Front End Cap (part #8H) and Left/Front End Cap (part #9H) to the Front Rail (part #7H), using one Tapping Screw (part #1H) on each end. (See Assy. Diagram H.)

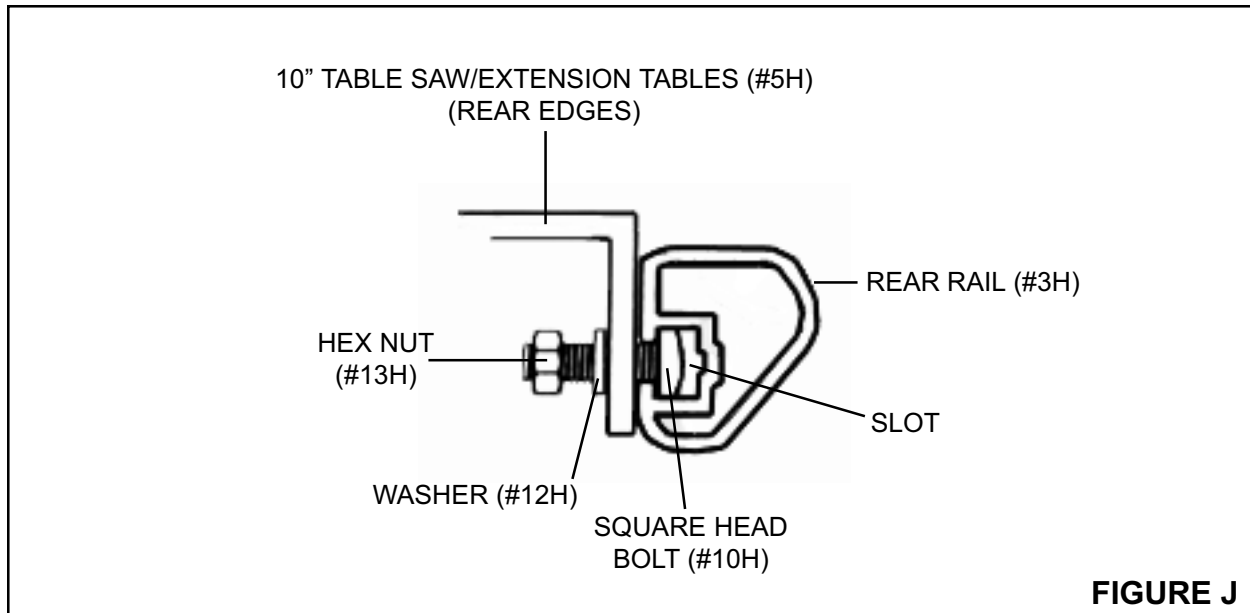
To Attach The Rear Rail:

1. **NOTE:** The procedure for attaching the Rear Rail (part #3H) to the 10" Table Saw is similar to that of attaching the Front Rail (part #7H) to the Table Saw. (See ***"To Attach The Front Rail"*** section, Figures I, J, and Assy. Diagram H.)
2. Insert *five* Square Head Bolts (part #10H) through the mounting holes in the rear edges of the 10" Table Saw and Extension Tables (part #5H). Allow the bolt heads to extend out about 1/2". (See Figures I, J, and Assy. Diagram H.)

3. Loosely attach a Washer (part #12H) and Hex Nut (part #13H) to each Square Head Bolt (part #10H). (See Figures I, J, and Assy. Diagram H.)



4. **NOTE:** The back side of the Rear Rail (part #3H) has one slot. Slide the slot of the Rear Rail over the Square Head Bolts (part #10H). (See Figures I, J, and Assy. Diagram H.)



5. Wrench tighten all five Square Head Bolts (part #10H).
(See Figures I, J, and Assy. Diagram H.)

To Attach The Rip Fence And Miter Gauge:

1. Hook the Lock Block (part #7C) under the Rear Rail (part #3H). Then, lower the front of the Rip Fence (part #10C) into the groove on the Front Rail (part #7H).
(See Figures K, L, and Assy. Diagrams C, and H.)
2. **NOTE:** The Rip Fence (part #10C) can be removed and reinstalled on the *left* side of the 10" Table Saw. In this case, the Rip Fence Scale Indicator (part #20C) can be repositioned on the left side of the Rip Fence by removing the Semi-Circle Head Screw (part #22C) and Star Washer (part #21C). Then reposition the Rip Fence Scale Indicator, and secure it with the Semi-Circle Head Screw and Star Washer. (See Figures K, L, and Assy. Diagrams C, and Assy. Diagram H.)
3. **NOTE:** To attach the Miter Gauge Assembly (parts #1A through 12A), simply slide the Miter Gauge Rod (part #10A) into the right or left slot (nearest the Saw Blade opening, on the Saw Table (part #17H)).
(See Figure B, and Assy. Diagrams A, and H.)

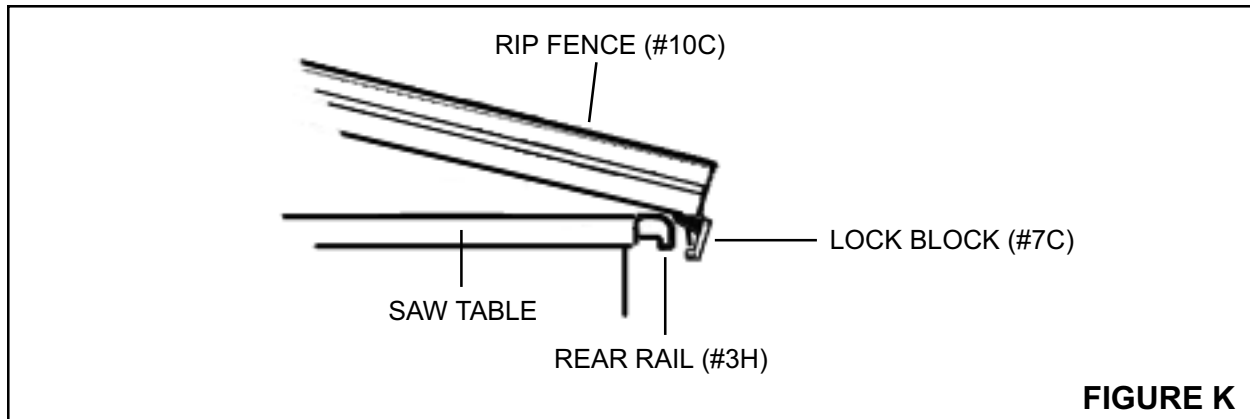


FIGURE K

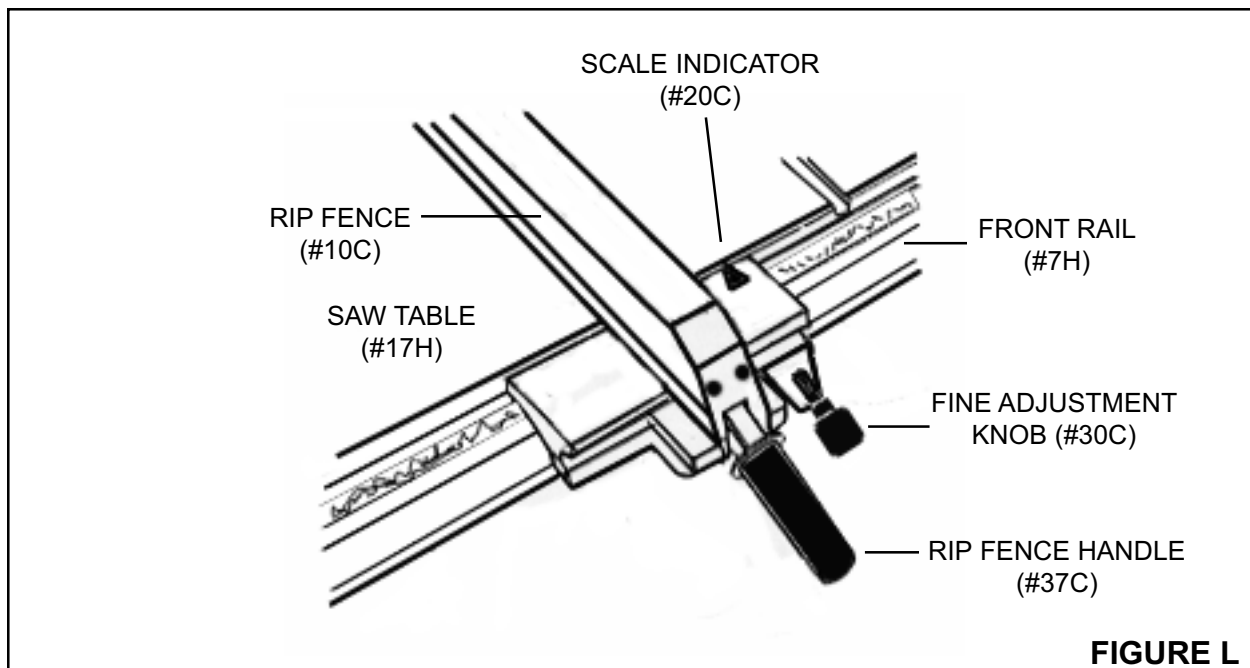


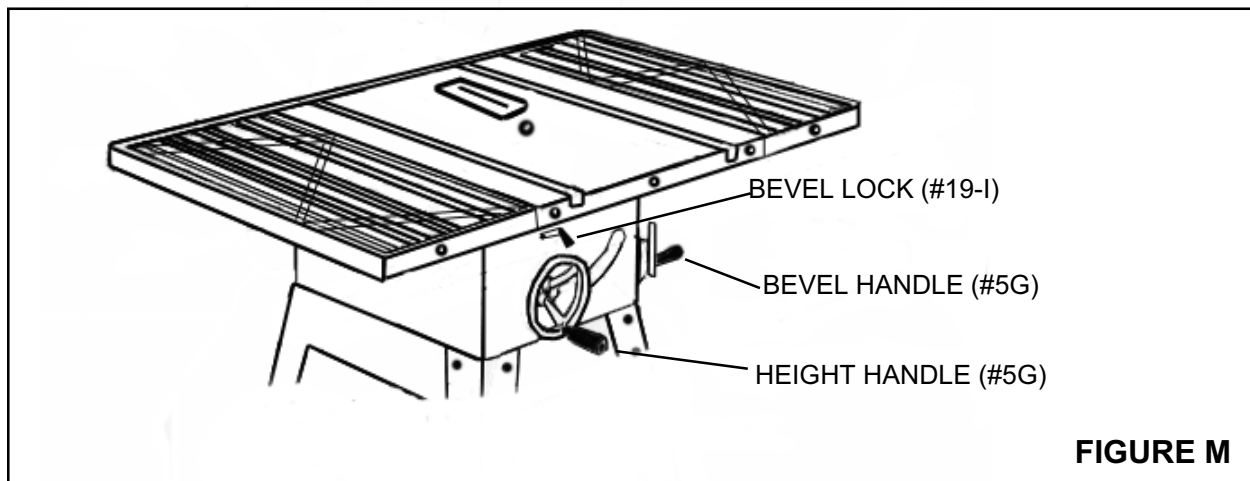
FIGURE L

To Attach The Power Switch:

1. Insert two Semi-Circle Head Screws (part #2E) from the rear of the Switch Plate (part #3E). Then, loosely screw one Square Nut (part #4E) onto each Semi-Circle Head Screw. **(See Figures B, G, and Assy. Diagram E.)**
2. While holding the Switch Plate (part #3E) to the front, insert and slide the two Square Nuts (part #4E) into the lower slot of the Front Rail (part #7H). **(See Figures B, G, and Assy. Diagram E.)**
3. Slide the Switch Plate (part #3E) to a convenient position. Then, secure the entire Switch Assembly (parts #1E through #12E) to the Front Rail (part #7H) by tightening the two Semi-Circle Head Screws (part #2E). **(See Figures B, G, and Assy. Diagram E.)**

To Assemble And Attach The Bevel And Height Handles To The Base:

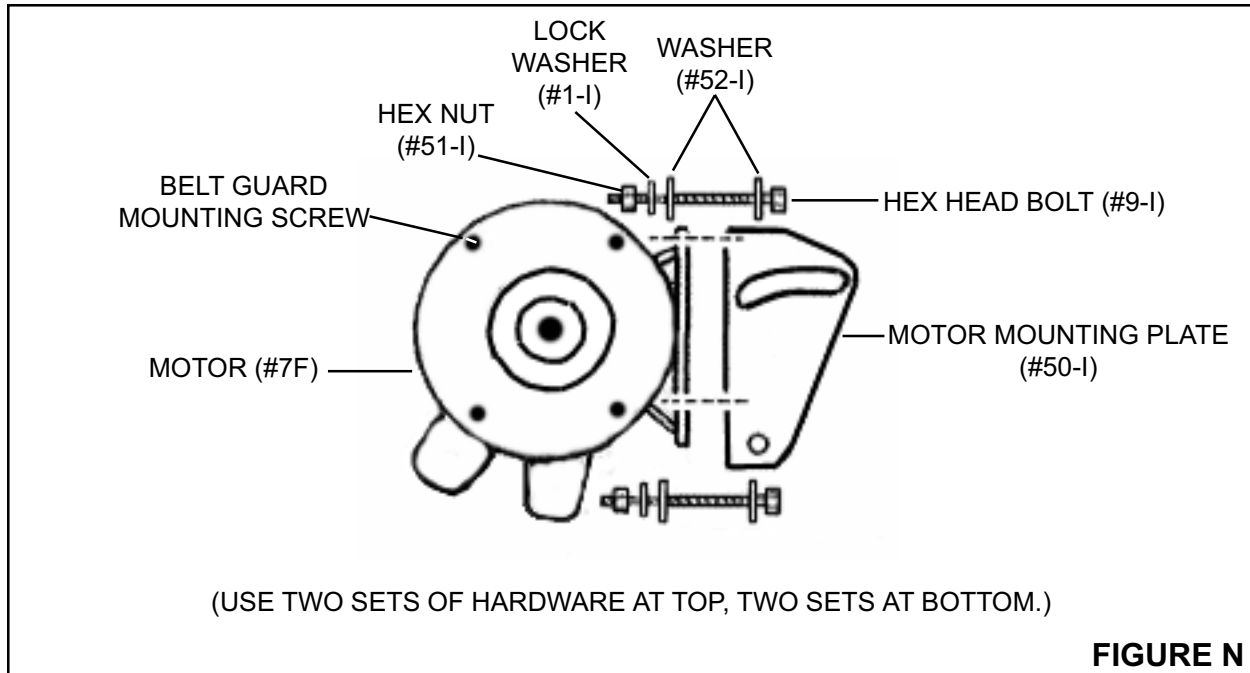
1. Insert one Screw (part #6G) each through a Bevel Handle and Height Handle (part #5G). Tighten each Screw into a Hand Wheel Assembly (part #4G). Then, attach an End Cap (part #7G) to each of the two Handles.
(See Figures B, M, and Assy. Diagram G.)
2. Align one Handle Assembly (part #4G) with the Height Adjustment Rod (part #33-I) that extends from the front of the Base (part #1G). Match the flat spots on the Height Adjustment Rod and inside the Hand Wheel Assembly. Insert a Socket Head Screw (part #8G) and Washer (part #9G) in the center of the Hand Wheel Assembly and tighten. **(See Figures B, M, and Assy. Diagrams G, and I.)**
3. Align the remaining Handle Assembly (part #4G) with the Threaded Rod (part #22-I) that extends from the right side of the Base (part #1G). Match the flat spots on the Threaded Rod and inside the Hand Wheel Assembly. Insert a Socket Head Screw (part #8G) and Washer (part #9G) in the center of the Hand Wheel Assembly and tighten.
(See Figures B, M, and Assy. Diagrams G, and I.)



To Attach The Motor:

1. Loosen the Bevel Lock Handle (part #19-I). Turn the Bevel Handle (part #5G) *counterclockwise* until it stops. Then, retighten the Bevel Lock Handle.
(See Figure M, and Assy. Diagrams I, and G.)
2. Align the *four* mounting holes in the Motor Bracket (part #7F) with the *four* mounting holes in the Motor Mounting Plate (part #50-I).
(See Figure N, and Assy. Diagrams F, and I.)

3. Secure the Motor Bracket (part #7F) to the Motor Mounting Plate (part #50-I), using four Hex Head Bolts (part #9-I), eight Washers (part #52-I), four Lock Washers (part #1-I), and four Hex Nuts (part #51-I).
(See Figure N, and Assy. Diagrams F, and I.)

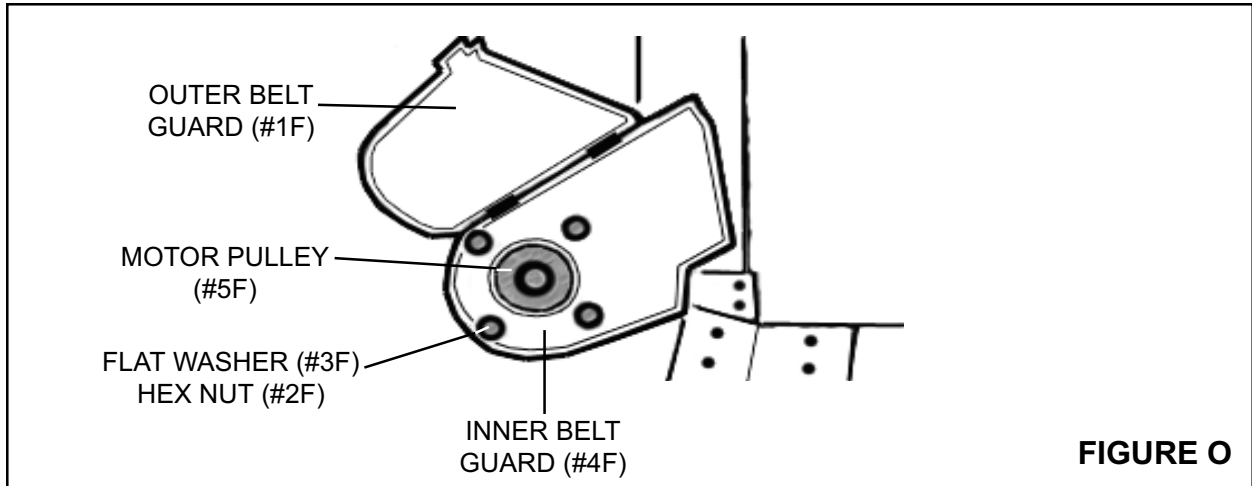


4. Position the Spring (part #46-I) between the Motor Mounting Plate (part #50-I) and Motor Support Base (part #45-I). **(See Assy. Diagram I.)**
5. With the Spring (part #46-I) in place, insert the Motor Support Base (part #45-I) in the Motor Mounting Plate (part #50-I). Secure the Motor Support Base to the Motor Mounting Plate by inserting the Pivot Shaft (part #48-I) through the two parts. Then, lock the Pivot Shaft in place, using two Retaining Rings (part #47-I). **(See Assy. Diagram I.)**
6. Insert the two Rods in the Motor Support Base (part #45-I) into the two holes in the Trunnion Cradle (part #36-I). Push the Motor (part #7F) in as far as it will go. Then, Thread the two Set Screws (part #42-I) downward into the Trunnion Cradle to clamp down on the two Rods. **NOTE:** Do not securely tighten the two Set Screws yet. **(See Assy. Diagram I.)**

To Attach The Belt Guard:

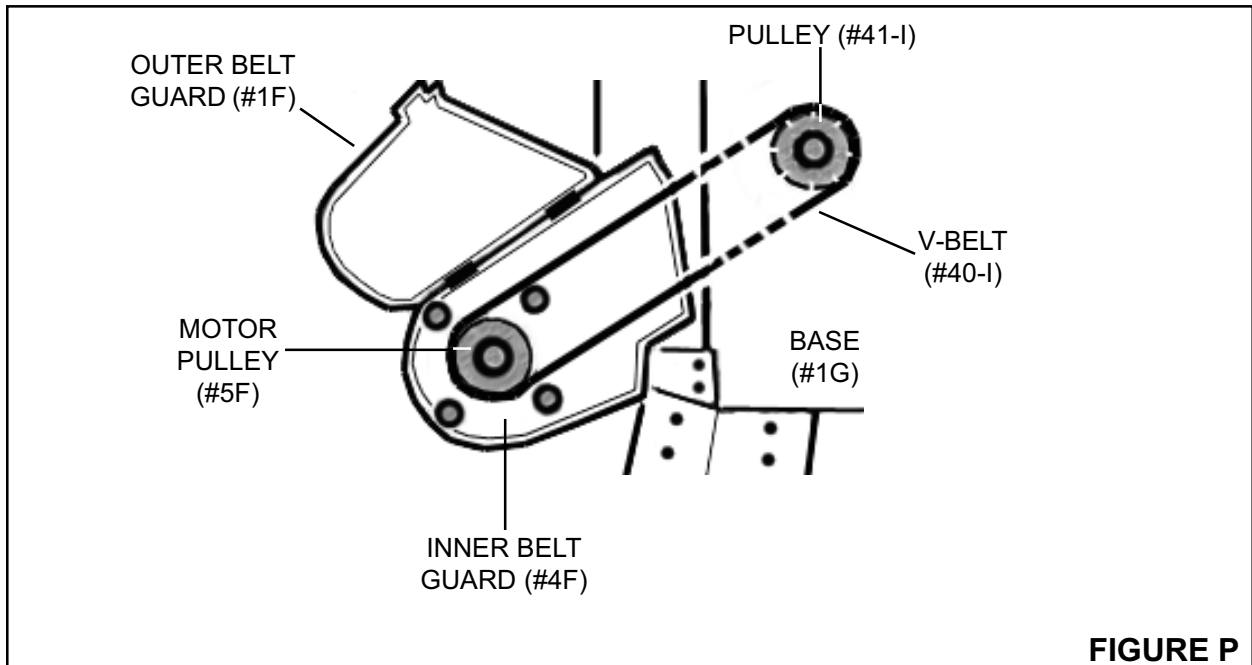
1. Open the hinged Belt Guard (parts #1F, #4F) and insert its round opening over the Motor Pulley (part #5F). **(See Figures N, O, and Assy. Diagram F.)**

2. Secure the Belt Guard (parts #1F, #4F) to the Motor (part #7F), using four Flat Washers (part #3F) and four Hex Nuts (part #2F).
(See Figures N, O, and Assy. Diagram F.)



To Attach The V-Belt:

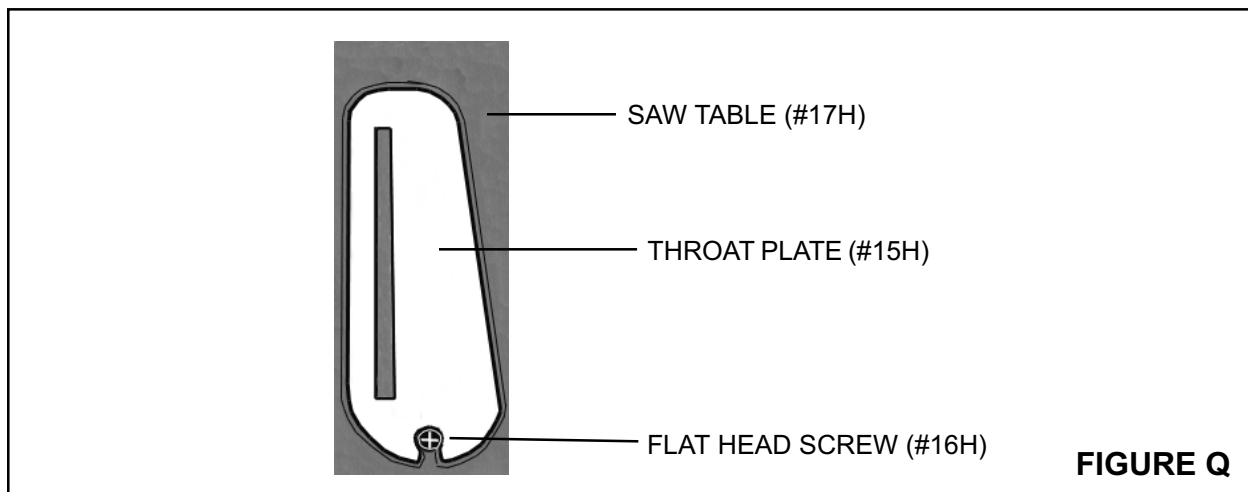
1. Turn the Height Handle *counterclockwise* until it stops.
(See Figure B, and Assy. Diagram G.)
2. Slip the V-Belt (part #40-I) onto the Pulley (41-I) inside the Base (part #1G).
(See Figure P, and Assy. Diagram I.)



3. Push the Motor (part #7F), with its attached Belt Guard (parts #1F, #4F), forward and place the V-Belt (part #40-I) on the Motor Pulley (part #5F).
(See Figure P, and Assy. Diagrams F, and I.)
4. Turn the Height Handle *clockwise* until it stops.
(See Figure B, and Assy. Diagram G.)
5. Pull the Motor (part #7F), with its attached Belt Guard (parts #1F, #4F), out until the V-Belt (part #40-I) is taut. Then, securely tighten the two Hex Head Bolts (part #44-I). **(See Figure P, and Assy. Diagrams F, and I.)**
6. Close the hinged Belt Guard (parts #1F, #4F).
(See Figure P, and Assy. Diagram F.)

To Install The 10" Saw Blade:

1. Turn the Height Handle (part #5G) *clockwise* until it stops.
(See Figure B, and Assy. Diagram G.)
2. Unscrew and temporarily remove the Flat Head Screw (part #16H)) located at the front of the Throat Plate (part #15H)). Then, remove the Throat Plate to expose the 10" Saw Blade opening. **(See Figures Q, R, and Assy. Diagram H.)**



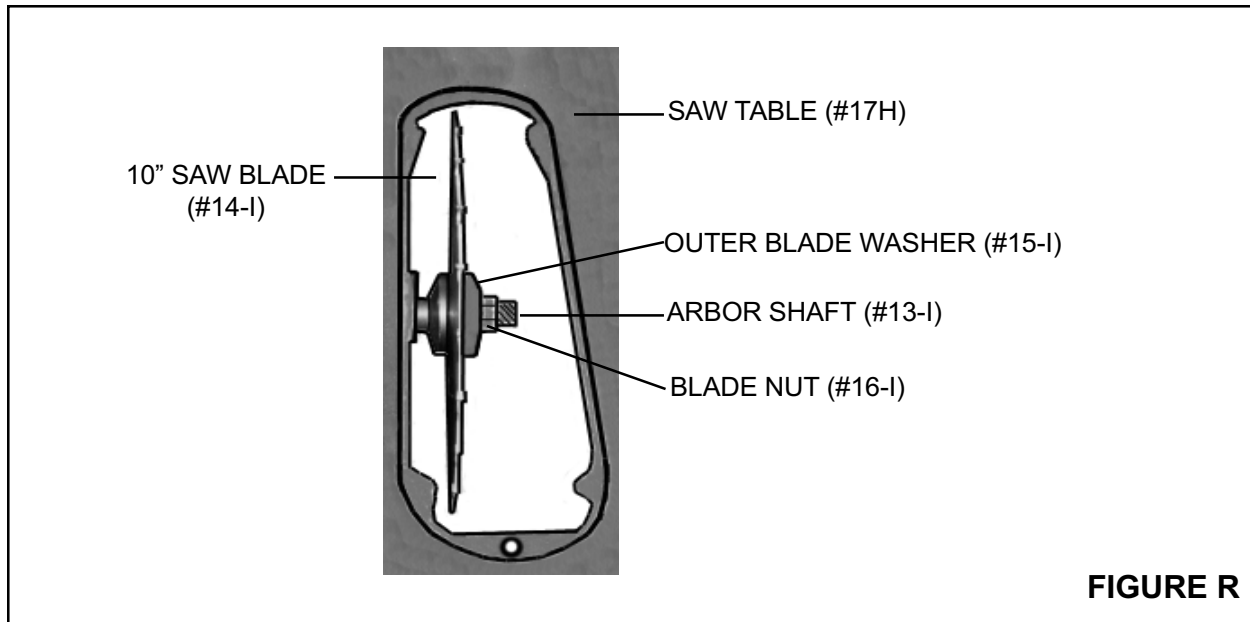


FIGURE R

3. Reach into the Saw Blade opening and remove the Blade Nut (part #16-I) and Outer Blade Washer (part #15-I). **(See Figure R, and Assy. Diagram I.)**
4. Place the 10" Saw Blade (part #14-I) on the Arbor Shaft (part #13-I). **NOTE:** Make sure the teeth of the 10" Saw Blade are pointing **DOWN** toward the **FRONT** of the Saw Table. **(See Figures R, S, and Assy. Diagram I.)**

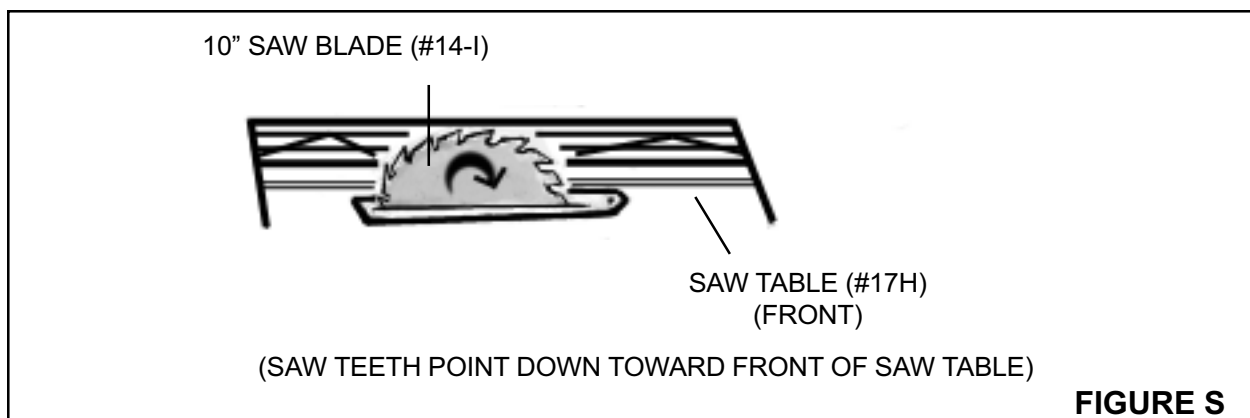


FIGURE S

5. Replace the Outer Blade Washer (part #15-I) and Blade Nut (part #16-I) securely on the Arbor Shaft (part #13-I). **NOTE:** In order to keep the 10" Saw Blade from turning during this assembly procedure, place a piece of scrap wood on the Saw Table and against the back sides of the 10" Saw Blade teeth. Then while holding the scrap wood firmly in place, *wrench tighten* the Blade Nut onto the Arbor Shaft to secure the 10" Saw Blade. **(See Figures R, S, and Assy. Diagram I.)**

6. Once the 10" Saw Blade (part #14-I) is secured onto the Arbor Shaft (part #13-I), replace the Throat Plate (part #15H) and tighten the Flat Head Screw (part #16H) back in place. **(See Figure Q, and Assy. Diagram H.)**

To Attach The Blade Guard Assembly:

1. Unscrew and temporarily remove the Flat Head Screw (part #16H) located at the front of the Throat Plate (part #15H)). Then, remove the Throat Plate to expose the 10" Saw Blade opening. **(See Figures Q, R, and Assy. Diagram H.)**
2. Place the Blade Guard Assembly (parts #1D Through 13D) over the Saw Blade opening on the Saw Table (part #17H). **(See Assy. Diagrams D, and H.)**
3. Insert two Socket Head Screws (part #5D) and two Washers (part #4D) in the two holes at the back of the Riving Knife (part #6D). Tighten the two Socket Head Screws, with Washers, into the Blade Guard Bracket (part #3-I). **(See Figure T, and Assy. Diagrams D, and I.)**
4. Insert and tighten the third Socket Head Screw (part #5D) and one Washer (part #4D) into the threaded mounting hole in the Saw Table (part #17H) under the Throat Plate (part #15H). **(See Figure T, and Assy. Diagrams D, and H.)**
5. Once the Blade Guard Assembly (parts #1D through #13D) is secured onto the Saw Table (part #17H), replace the Throat Plate (part #15H) and tighten the Flat Head Screw (part #16H) back in place. **(See Figure Q, and Assy. Diagram H.)**

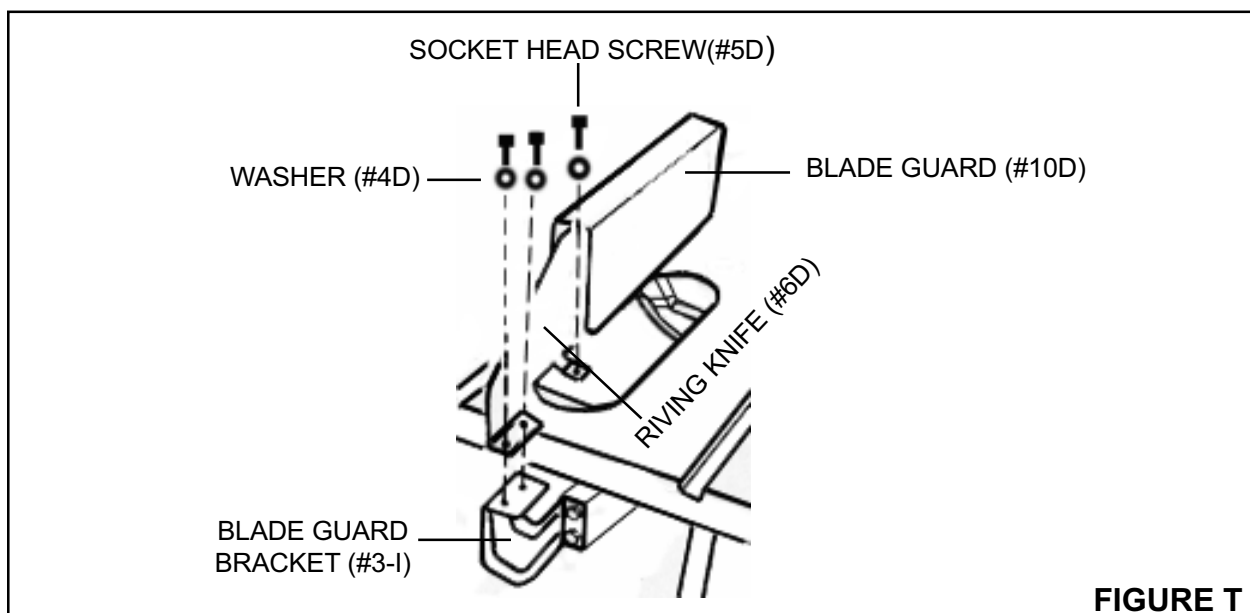


FIGURE T

OPERATING INSTRUCTIONS

To Raise And Lower The 10" Saw Blade:

1. When cutting, the top edge of the Saw Blade (part #14-I) should rise about 1/4" above the top edge of the workpiece.
2. *To raise the height* of the 10" Saw Blade (part #14-I), unlock the Bevel Lock (part #19-I). Next, turn the Height Handle (part #5G) *clockwise* until the desired height is acquired. Then, re-lock the Bevel Lock.
(See Figures B, M, and Assy. Diagrams G, and I.)
3. *To lower the height* of the 10" Saw Blade (part #14-I), unlock the Bevel Lock (part #19-I). Next, turn the Height Handle (part #5G) *counterclockwise* until the desired height is acquired. Then, re-lock the Bevel Lock.
(See Figures, B, M, and Assy. Diagrams G, and I.)

To Adjust The Width Of A Cut:

1. The width of a cut is achieved by moving the Rip Fence (part #10C) to the *right* or *left*. **(See Figures B, L, and Assy. Diagram C.)**
2. The 10" Table Saw features a Scale (part #6H) on the Front Rail (part #7H) of the unit. The Scale's measurements are in *inch* increments.
(See Figures B, H, L, and Assy. Diagrams C, and H.)
3. To position the Rip Fence (part #10C) for the desired width of a cut, unlock the Rip Fence Handle (part #37C) by raising it upward.
(See Figures B, L, and Assy. Diagrams, C, and H.)
4. Place the workpiece on the Saw Table (part #17H) against the Rip Fence (part #10C). Next, slide the workpiece, and the Rip Fence, to the *right* or *left* until the left side of the Scale (part #6H) indicates on the Scale Indicator (part #20C) the desired width to be cut. Then, lock the Rip Fence in place by lowering the Rip Fence Handle (part #37C). **(See Figures B, L, and Assy. Diagrams C, and H.)**

To Adjust The Bevel Of The 10" Saw Blade:

1. The 10" Table Saw is capable of making bevel cuts from 90 degrees to 45 degrees.
2. The 10" Table Saw also features a Bevel Scale (part #10G) on the front side of the unit. **(See Figure B, and Assy. Diagram G.)**

3. To adjust the bevel of the 10" Saw Blade (part #14-I), unlock the Bevel Lock (part #19-I). Next, move the Bevel Handle (part #5G) to the *right* or *left* until the desired bevel of the 10" Saw Blade is shown by the Bevel Scale (part #10G). Then, re-lock the Bevel Lock. **(See Figure B, and Assy. Diagrams G, and I.)**

To Adjust The Angle Of A Cut:

1. The 10" Table Saw is capable of making miter cuts from 0 degrees to 60 degrees.
2. The Miter Gauge (part #4A) features a Miter Scale Indicator (part #6A) on the front side of the unit. **(See Figure B, and Assy. Diagram A.)**
3. To adjust the angle of a cut, loosen the Miter Gauge Knob (part #2A). Next, move the Miter Gauge (part #4A) to the *right* or *left*, until the desired angle of cut is shown by the Miter Scale Indicator (part #6A). Then, retighten the Miter Gauge Knob. **(See Figure B, and Assy. Diagram A.)**

Proper Placement Of Hands During The Cutting Process:

1. **Caution:** NEVER pass hands directly over or under the 10" Saw Blade (part #14-I) when cutting the workpiece. Whenever possible, use a push stick (not provided) to push the workpiece into the 10" Saw Blade. **(See Figure B, and Assy. Diagram.)**
2. At the start of the cut, the left hand holds the workpiece firmly on the Saw Table (part #17H) and against the Rip Fence (part #10C). The right hand, with the aid of a push stick, pushes the workpiece toward the turning 10" Saw Blade (part #14-I). **(See Figure B, and Assy. Diagrams C, H, and I.)**
3. After the cut is under way, the right hand with the aid of a push stick, continues pushing the workpiece forward. Just before the cut is near completion move the left hand safely away from the workpiece and the 10" Saw Blade (part #14-I). Then, continue pushing the workpiece into the 10" Saw Blade, with the push stick, until the cut is complete. **(See Figure B, and Assy. Diagram I.)**

INSPECTION, MAINTENANCE, AND CLEANING

1. **Caution:** Always disconnect the 10" Table Saw from its electrical power supply source before performing any inspection, maintenance, or cleaning.

2. Before each use, inspect the general condition of the 10" Table Saw. Inspect the Power Switch (part #8E), Power Plug and Cord Assembly (part #8F), and extension cord (if used) for damage. Check for loose screws, misalignment, binding of moving parts, broken, cracked, or improper mounting of the 10" Saw Blade (part #14-I), broken parts and any other condition that may affect its safe operation. If abnormal noise or vibration occurs, turn off the 10" Table Saw immediately and have the problem corrected before further use. Do not use damaged equipment. (See Assy. Diagrams A through I.)

3. With a brush, soft cloth, or vacuum, remove all sawdust from the 10" Table Saw. Do not use solvents to wipe off the 10" Table Saw, as damage may result. If necessary, wipe with a damp cloth. You may use a mild detergent. Do not introduce water into the electric motor through the motor vents.

4. Once clean, lubricate all moving parts with a light weight oil. When storing, keep the 10" Table Saw covered with a cloth cover.

Trouble Shooting Guide		
Problem	Cause	Solution
Table Saw does not start.	Motor Cord (#8F) is not plugged in.	Plug in Motor Cord to 110-120 Volt electrical outlet.
	Circuit fuse is blown.	Replace circuit fuse.
	Circuit breaker is tripped.	Reset Circuit breaker.
	Motor Cord or Switch (#8E) is damaged.	Have the Motor Cord or Switch replaced.
Power Switch (#8E) does not operate.	Power Switch contacts are burned out.	Have the Power Switch replaced. Request a voltage check from the local power company.
	Capacitor (#5E) is defective.	Have the Capacitor replaced.
	Wiring connections are loose or damaged.	Have the wiring connections checked/repared.
Fuses or circuit breakers open frequently.	Motor is overloaded.	Feed workpiece more slowly.
	Fuses or circuit breakers are wrong size or defective.	Replace fuses or circuit breakers.
	Dull 10" Saw Blade (#14-I).	Replace the 10" Saw Blade.
	Power Switch (#8E) is defective.	Have the Power Switch replaced.
Motor (#7F) stalls, blows fuses, or trips circuit breakers.	Motor is overloaded.	Request a voltage check from the local power company.
	Dull 10" Saw Blade (#14-I).	Replace the 10" Saw Blade.
	Fuses or circuit breakers are wrong size or defective.	Replace fuses or circuit breakers.
	Feeding workpiece too rapidly.	Feed workpiece into 10" Saw Blade more slowly.
Table Saw is noisy when running.	Motor (#7F) is loose or defective.	Have the Motor checked/repared.
<u>W A R N I N G</u>: TO PREVENT PERSONAL INJURY AND/OR DAMAGE TO THE TABLE SAW, MAINTENANCE AND REPAIRS SHOULD BE DONE ONLY BY A QUALIFIED TECHNICIAN.		

Trouble Shooting Guide, (cont.)		
Problem	Cause	Solution
Motor (#7F) is slow or weak.	Voltage from source is low. Windings are burned out or open. Power Switch (#8E) is defective. Circuit is overloaded with appliances, lights, or other electrically powered equipment.	Request a voltage check from local power company. Have the Motor checked/repared. Have the Power Switch replaced. Do not use other appliances or electrically powered equipment on the same circuit when using the Table Saw.
Motor (#7F) overheats.	Motor is overloaded. Dull 10" Saw Blade (#14-I). Sawdust inside Table Saw is blocking airflow.	Request a voltage check from the local power company. Replace the 10" Saw Blade. Clean out the Saw Base (#1G).
When ripping, the cut burns the workpiece, or stalls the Motor (#7F).	10" Saw Blade (#14-I) teeth are dull. Workpiece is warped. Rip Fence (#10C) is not parallel with the 10" Saw Blade.	Sharpen or replace the 10" Saw Blade. Replace the workpiece. Realign Rip Fence, and lock it in position with the Rip Fence Handle (#37C).
Miter Gauge (#4A) does not move freely.	Miter Gauge Assembly is dirty.	Loosen the Miter Gauge Knob (#2A), clean and lubricate the Miter Gauge Rod (#10A).
Rip Fence (#10C) does not move smoothly.	Rip Fence is mounted incorrectly.	Remove, reposition Rip Fence, and lock it in position with the Rip Fence Handle (#37C).
Bevel & Height Handles (#5G) are hard to turn.	Sawdust has collected on the mechanisms inside the Base (#1G).	Clean and lubricate the mechanisms inside the Base.
10" Saw Blade (#14-I) does not lower when turning the Height Handle (#5G).	Bevel Lock Handle (#19-I) is not fully released.	Fully release the Bevel Lock Handle.
Table Saw vibrates excessively.	Floor surface is uneven. V-Belt (#40-I) is damaged. 10" Saw Blade (#14-I) is damaged. Loose Bolt, Screws, Nuts.	Readjust the Leveling Feet (#1B). Replace the V-Belt. Replace the 10" Saw Blade. Tighten all Hardware.

PLEASE READ THE FOLLOWING CAREFULLY

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PARTS LIST

Part #	Description	Qty.	Part #	Description	Qty.
1A	End Cap	1	18C	Scale Indicator Housing	1
2A	Miter Gauge Knob	1	19C	Right End Cap	1
3A	Washer (8)	1	20C	Scale Indicator	1
4A	Miter Gauge	1	21C	Star Washer (5)	3
5A	Semi-Circle Head Screw (M5 x 10)	3	22C	Semi-Circle Head Screw (M5 x 10)	3
6A	Miter Scale Indicator	1	23C	Square Nut	3
7A	Miter Gauge Block	1	24C	Small Gear	1
8A	Stop Pin	1	25C	Gear Rod	1
9A	Shoulder Screw	1	26C	Eccentric Wheel	1
10A	Miter Gauge Rod	1	27C	Gear Rod Frame	1
11A	Semi-Circle Head Screw (M4 x 18)	3	28C	Gear Rod Spring	1
12A	Hex Nut (M4)	3	29C	Hex Socket Set Screw w/Cup Point	2
1B	Leveling Foot	4	30C	Fine Adjustment Knob	1
2B	Hex Nut (M8)	36	31C	Rear Board	1
3B	Washer (8)	40	32C	Pin (5 x 16)	2
4B	Leg	4	33C	Rear Block	1
5B	Carriage Bolt (M8 x 14)	24	34C	Eccentric Rod Lock	1
6B	End Brace	2	35C	Eccentric Lock	2
7B	Side Brace	2	36C	Rip Fence Lock Rod	1
8B	Hex Head Bolt (M8 x 20)	4	37C	Rip Fence Handle	1
9B	Short Leg Brace	2	38C	Rip Fence Cover	1
10B	Long Leg Brace	2	39C	Rip Fence Label	1
1C	Round Head Rivet (3 x 7)	2	1D	Push Nut	4
2C	Hex Nut (M8)	1	2D	Anti-Kickback Pawl	2
3C	Washer (8)	1	3D	Spacer	2
4C	Round Head Rivet (3 x 13)	2	4D	Washer (6)	3
5C	Lock Plate	1	5D	Socket Head Screw (M6 x 10)	3
6C	Lock Spring	1	6D	Riving Knife	1
7C	Lock Block	1	7D	Blade Guard Bracket	1
8C	Spring Ring (d5)	2	8D	Spring	1
9C	Rolling Wheel	1	9D	Pin	1
10C	Rip Fence	1	10D	Blade Guard	1
11C	Flat Head Screw (M6 x 8)	4	11D	Pin	1
12C	Fence Plate	1	12D	Roll Pin	1
13C	Square Nut (M8)	4	13D	Blade Guard Label	1
14C	Semi-Circle Head Screw (M6 x 16)	4	1E	Tapping Screw (ST3.9 x 12)	4
15C	Board	1	2E	Semi-Circle Head Screw (M5 x 10)	2
16C	Board Screw (ST3.9 x 12)	2	3E	Switch Plate	1
17C	Left End Cap	1	4E	Square Nut (M5)	2

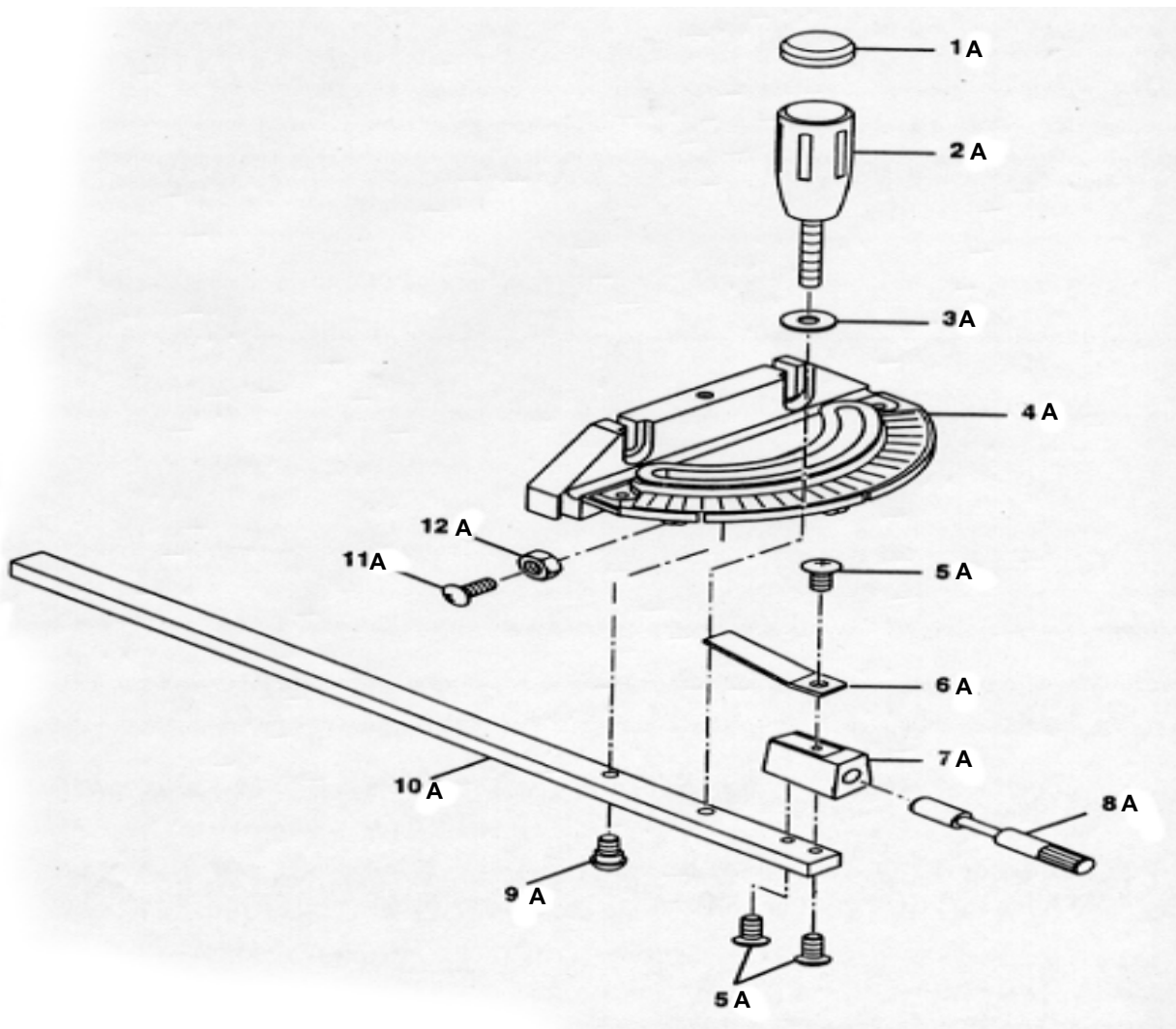
PARTS LIST

Part #	Description	Qty.	Part #	Description	Qty.
5E	Capacitor	2	13H	Hex Nut (M8)	20
6E	Power Cord (Switch)	1	14H	Set Screw (M5 x 5)	4
7E	Switch Key	1	15H	Throat Plate	1
8E	Switch	1	16H	Flat Head Screw (M5 x 16)	1
9E	Switch Housing	1	17H	Saw Table	1
10E	Semi-Circle Hd. Screw (M5 x 6)	2	18H	Set Screw (M8 x 16)	2
11E	Star Washer (5)	2	19H	Semi-Circle Hd. Screw (M5 x 10)	12
12E	ON/OFF Label	1	20H	Square Nut (M5)	12
1F	Outer Belt Guard	1	21H	Lock Washer (5)	12
2F	Hex Nut (M5)	4	1-I	Lock Washer (8)	6
3F	Flat Washer (5)	4	2-I	Hex Head Bolt (M8 x 12)	2
4F	Inner Belt Guard	1	3-I	Riving Knife (Blade Guard Brkt)	1
5F	Pulley	1	4-I	Bolt	1
6F	Set Screw (M6 x 6)	2	5-I	Spring	1
7F	Motor	1	6-I	Washer	1
8F	Power Cord (Motor)	1	7-I	Table Bracket	2
1G	Base	1	8-I	Star Washer	6
2G	Hex Head Screw (M8 x 12)	3	9-I	Hex Head Bolt (M8 x 25)	10
3G	Star Washer (8)	3	10-I	Retaining Ring	2
4G	Hand Wheel Assembly	2	11-I	Ball Bearing (80203)	2
5G	Bevel / Height Handle	2	12-I	Key	1
6G	Screw	2	13-I	Arbor Shaft	1
7G	End Cap	2	14-I	10 Inch Saw Blade	1
8G	Socket Head Screw (M5 x 12)	2	15-I	Outer Blade Washer	1
9G	Washer (5)	2	16-I	Blade Nut	1
10G	Bevel Scale	1	17-I	Blade Wrench	1
11G	Data Plate	1	18-I	Shaft	1
1H	Tapping Screw (ST3.9 x 12)	2	19-I	Bevel Lock	1
2H	Label	1	20-I	Washer (4)	5
3H	Rear Rail	1	21-I	Semi-Circle Hd. Screw (M4 x 10)	5
4H	Align-A-Cut Inset	1	22-I	Threaded Rod	1
5H	Extension Table	2	23-I	Bracket	1
6H	Scale	1	24-I	Spring	1
7H	Front Rail	1	25-I	Retaining Ring	1
8H	End Cap (Right/Front)	1	26-I	Washer	1
9H	End Cap (Left/Front)	1	27-I	Semi-Circle Hd. Screw (M5 x 10)	2
10H	Square Head Bolt (M8 x 25)	10	28-I	Washer (5)	2
11H	Hex Head Bolt (M8 x 20)	26	29-I	Bracket	1
12H	Washer (8)	18	30-I	Bevel Scale Indicator	1

PARTS LIST

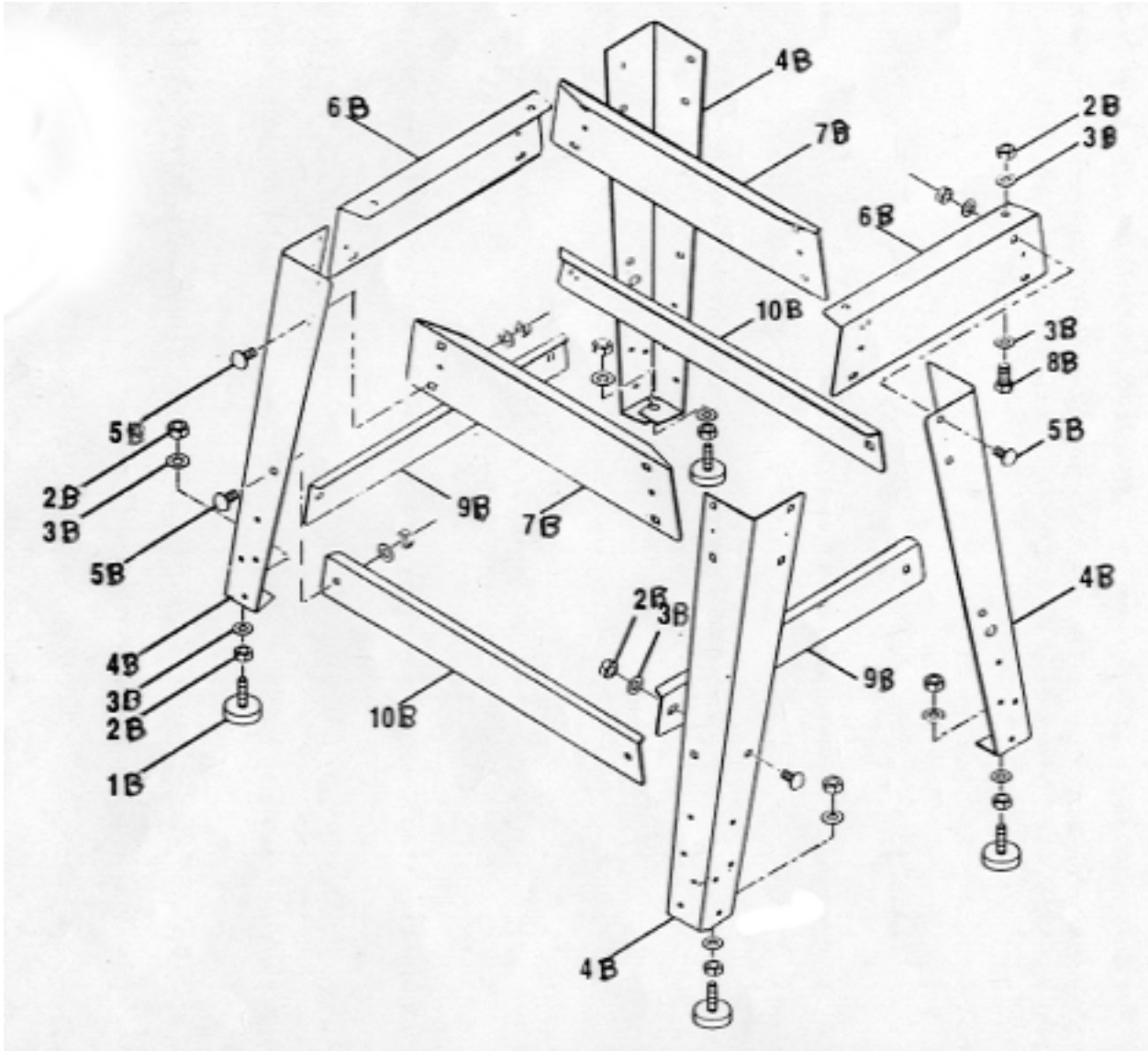
Part #	Description	Qty.	Part #	Description	Qty.
31-I	Knuckle	1	42-I	Set Screw (M6 x 6)	4
32-I	Retaining Ring	1	43-I	Retaining Ring (d15)	1
33-I	Height Adjustment Rod	1	44-I	Hex Head Bolt (M8 x 20)	2
34-I	Washer	2	45-I	Motor Support Base	1
35-I	Washer	1	46-I	Spring	1
36-I	Trunnion Cradle	1	47-I	Retaining Ring	2
37-I	Arbor Housing	1	48-I	Pivot Shaft	1
38-I	Washer	1	49-I	Screw	1
39-I	Retaining Ring (d15)	1	50-I	Motor Mounting Plate	1
40-I	V-Belt	1	51-I	Hex Nut (M8)	4
41-I	Pulley	1	52-I	Washer (8)	8
-----	-----	-----	53-I	Owner's Manual	1

ASSEMBLY DIAGRAM A



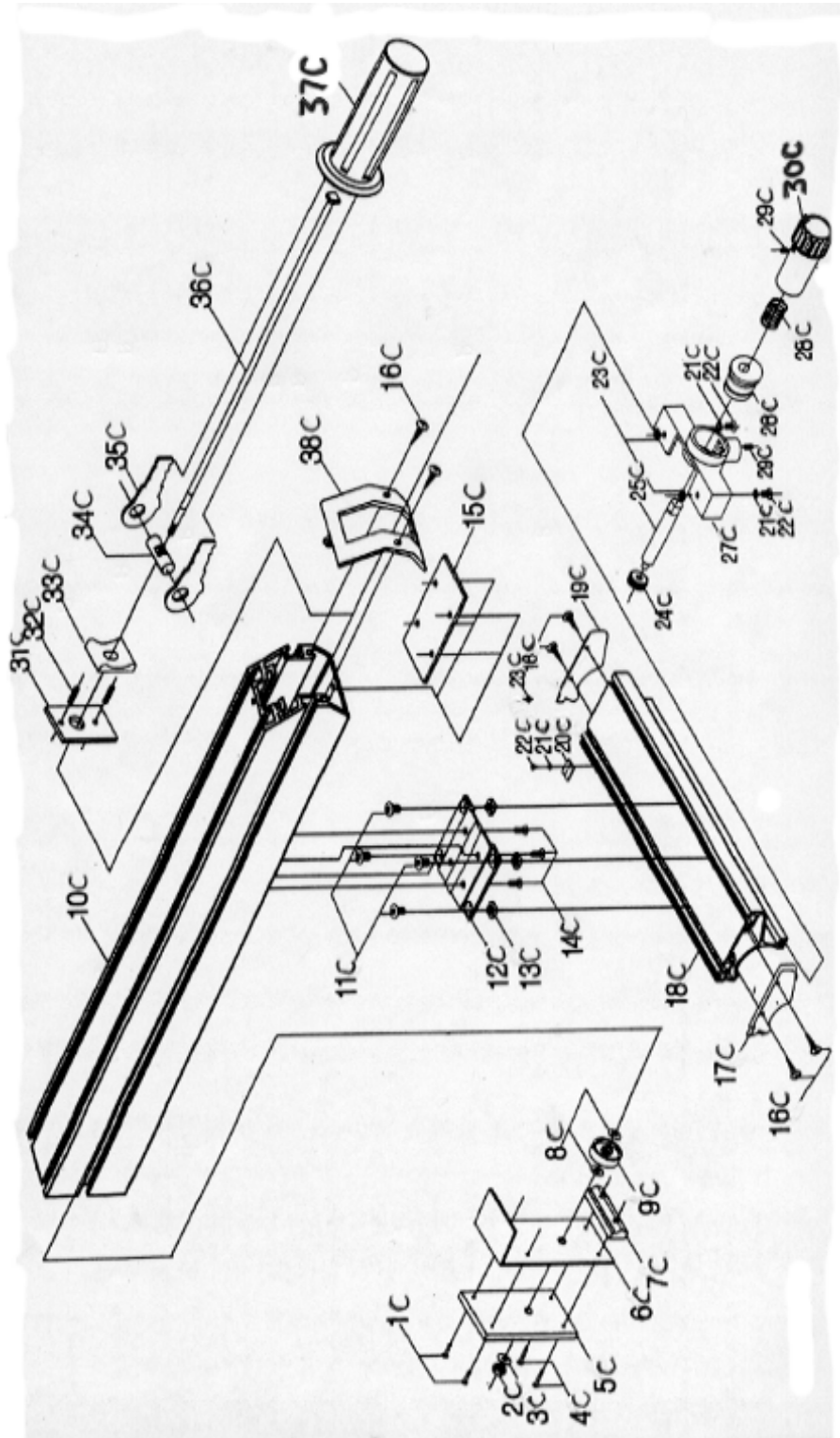
NOTE: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

ASSEMBLY DIAGRAM B



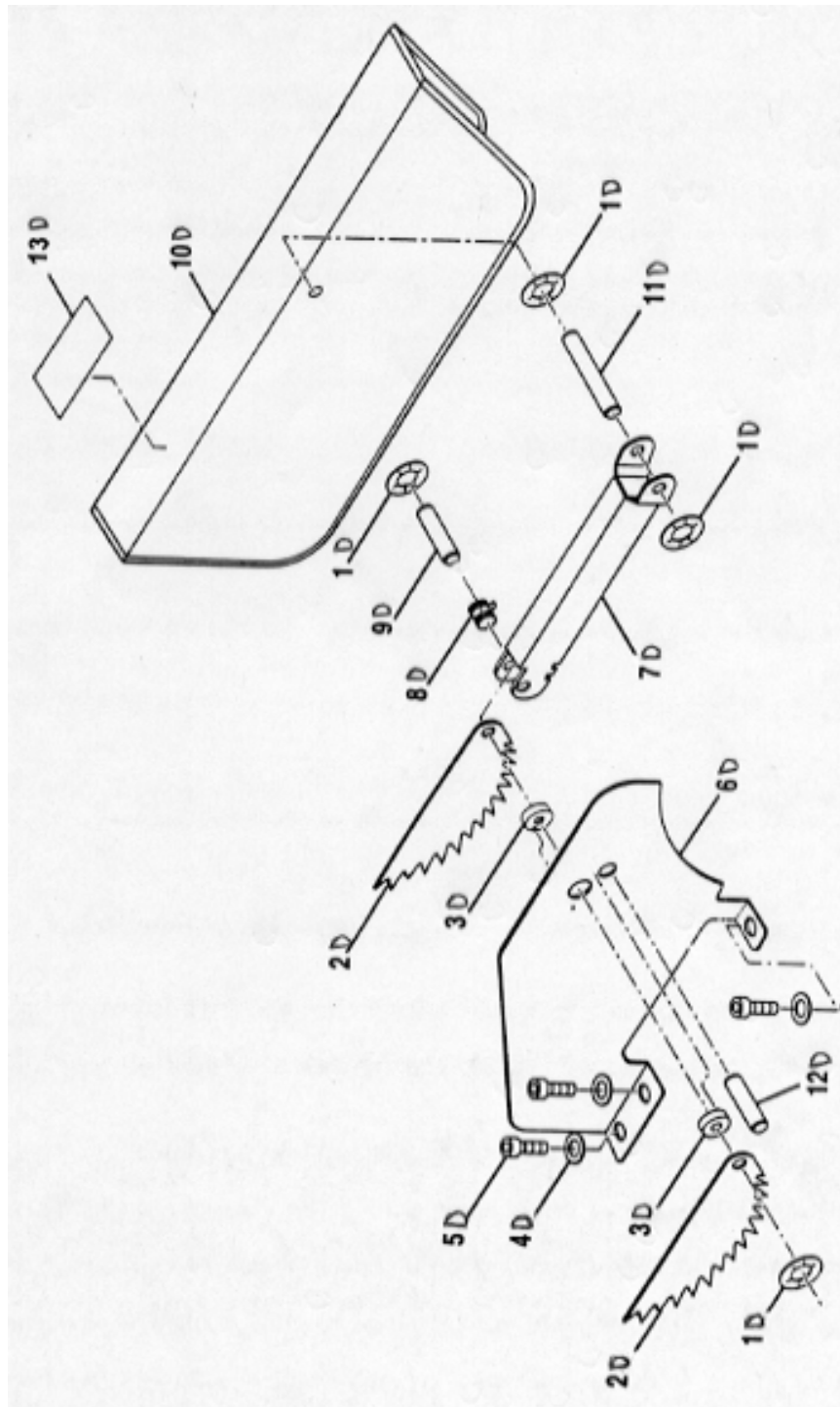
NOTE: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

ASSEMBLY DIAGRAM C



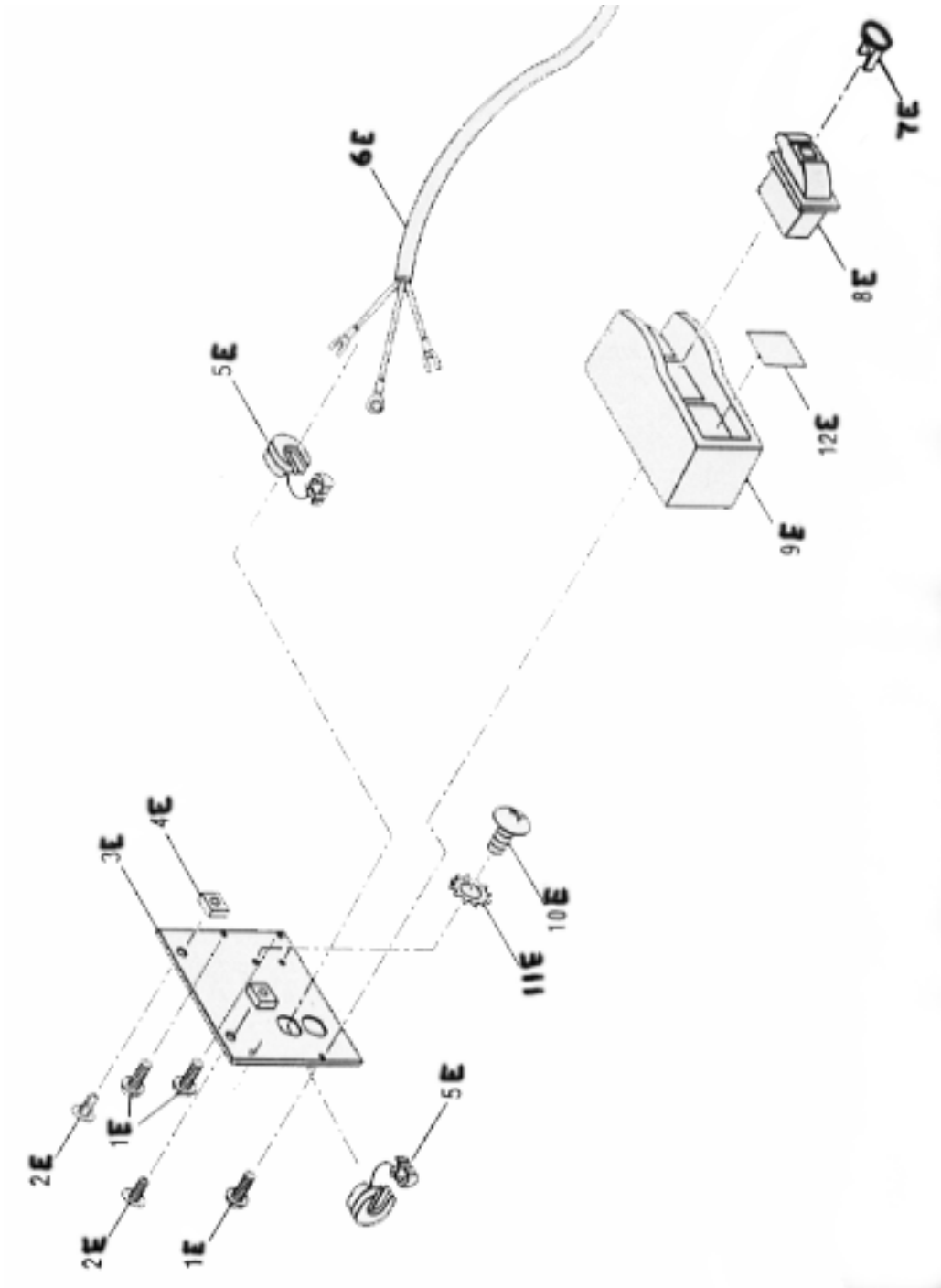
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ASSEMBLY DIAGRAM D



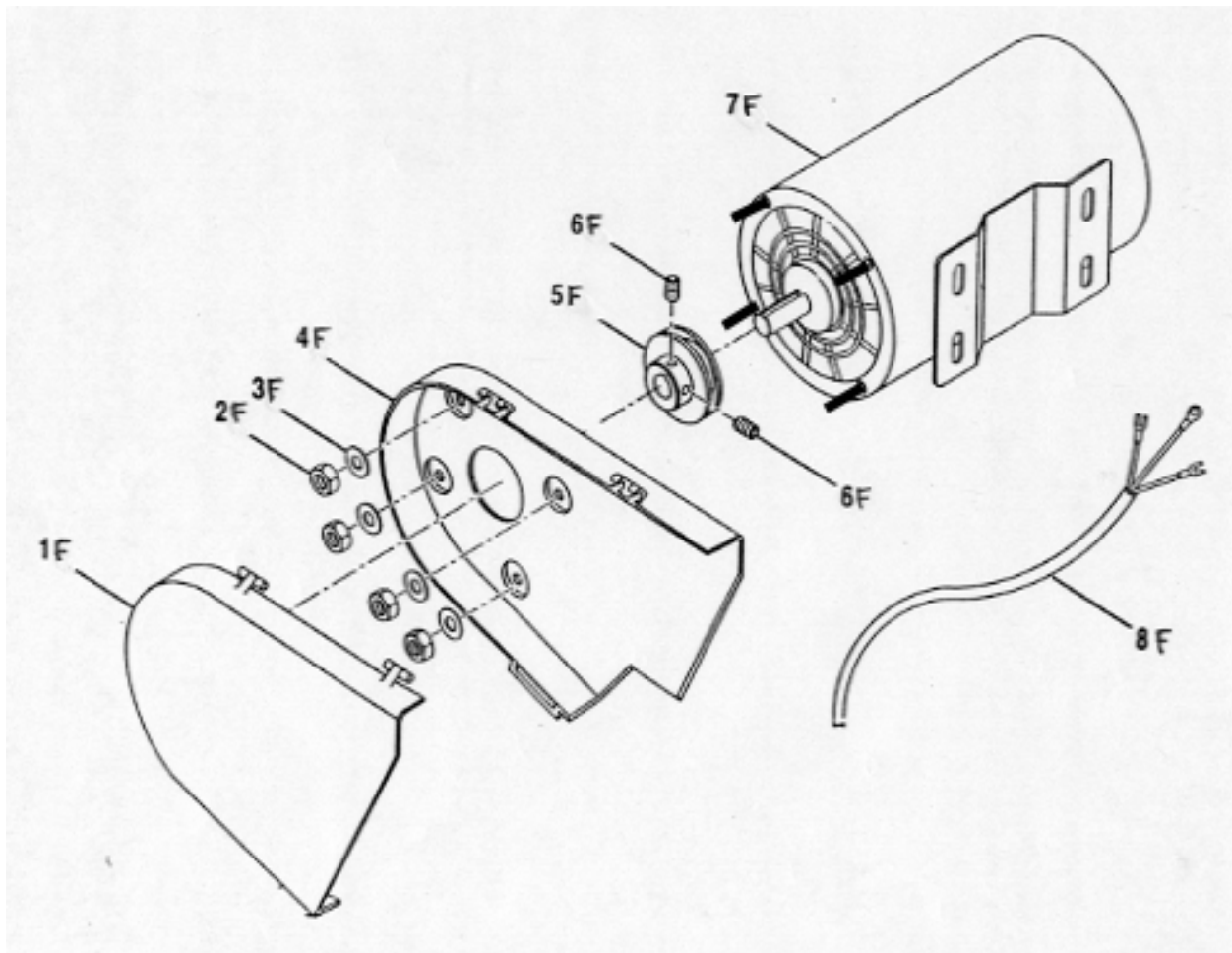
NOTE: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

ASSEMBLY DIAGRAM E



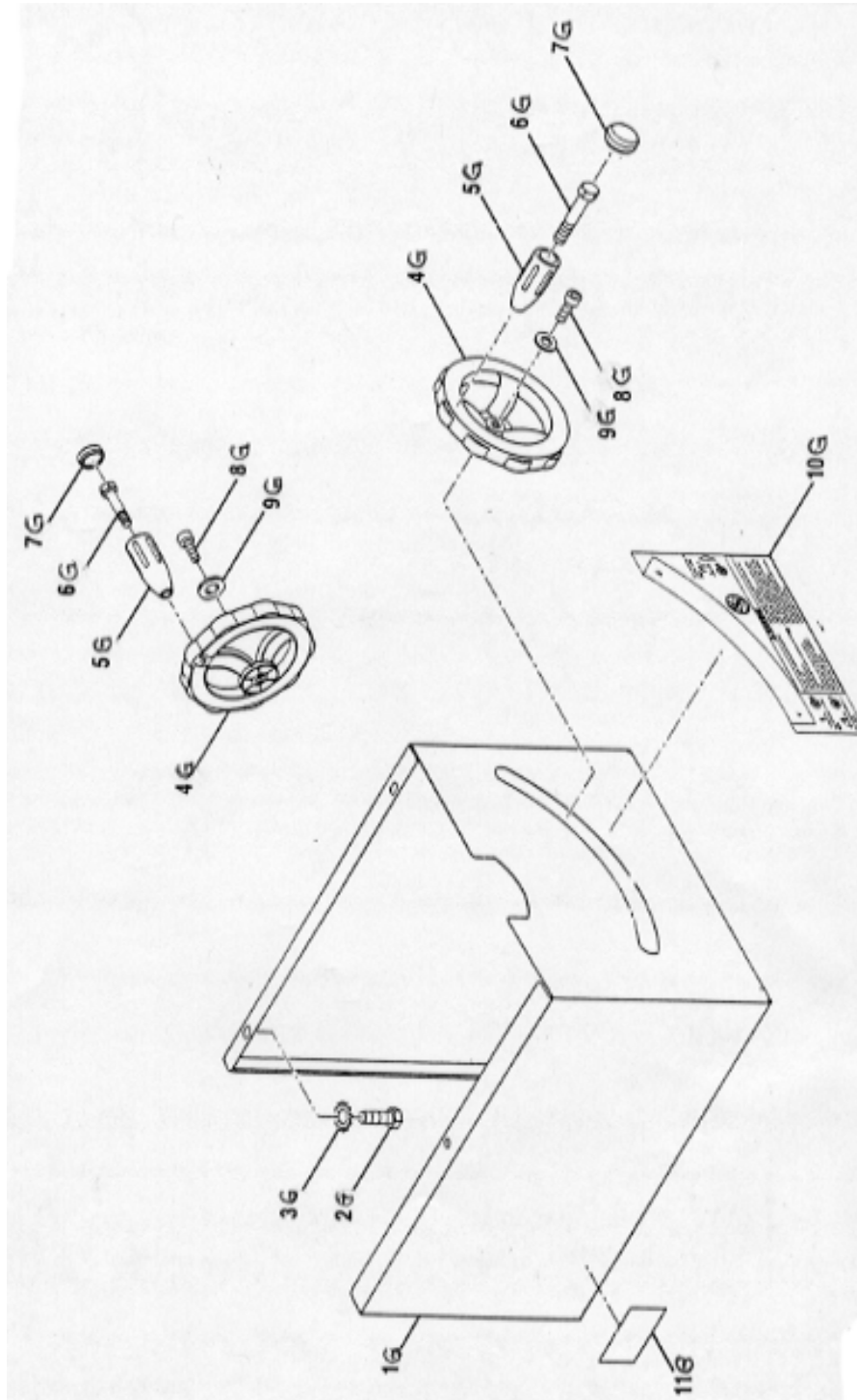
NOTE: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

ASSEMBLY DIAGRAM F



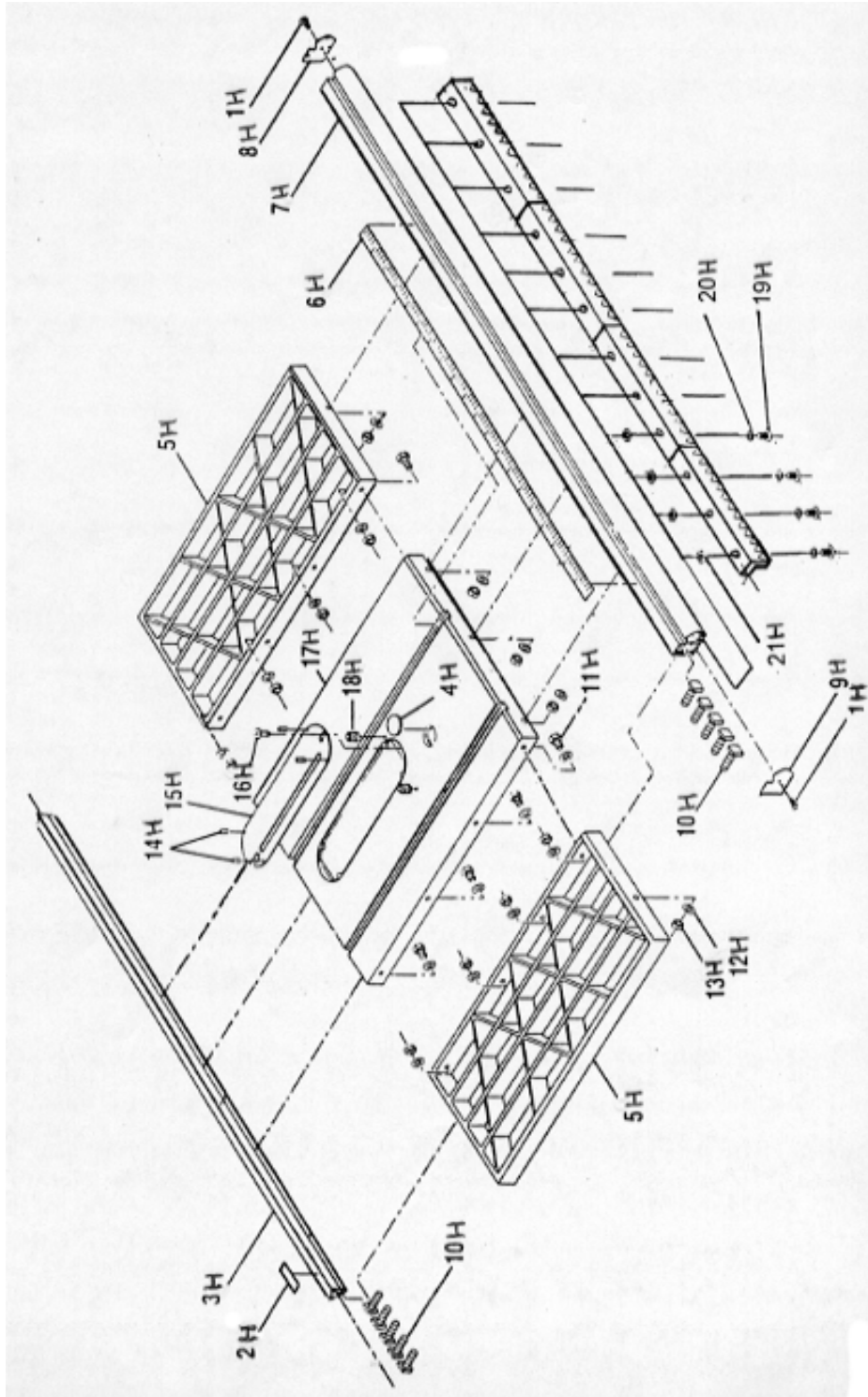
NOTE: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

ASSEMBLY DIAGRAM G



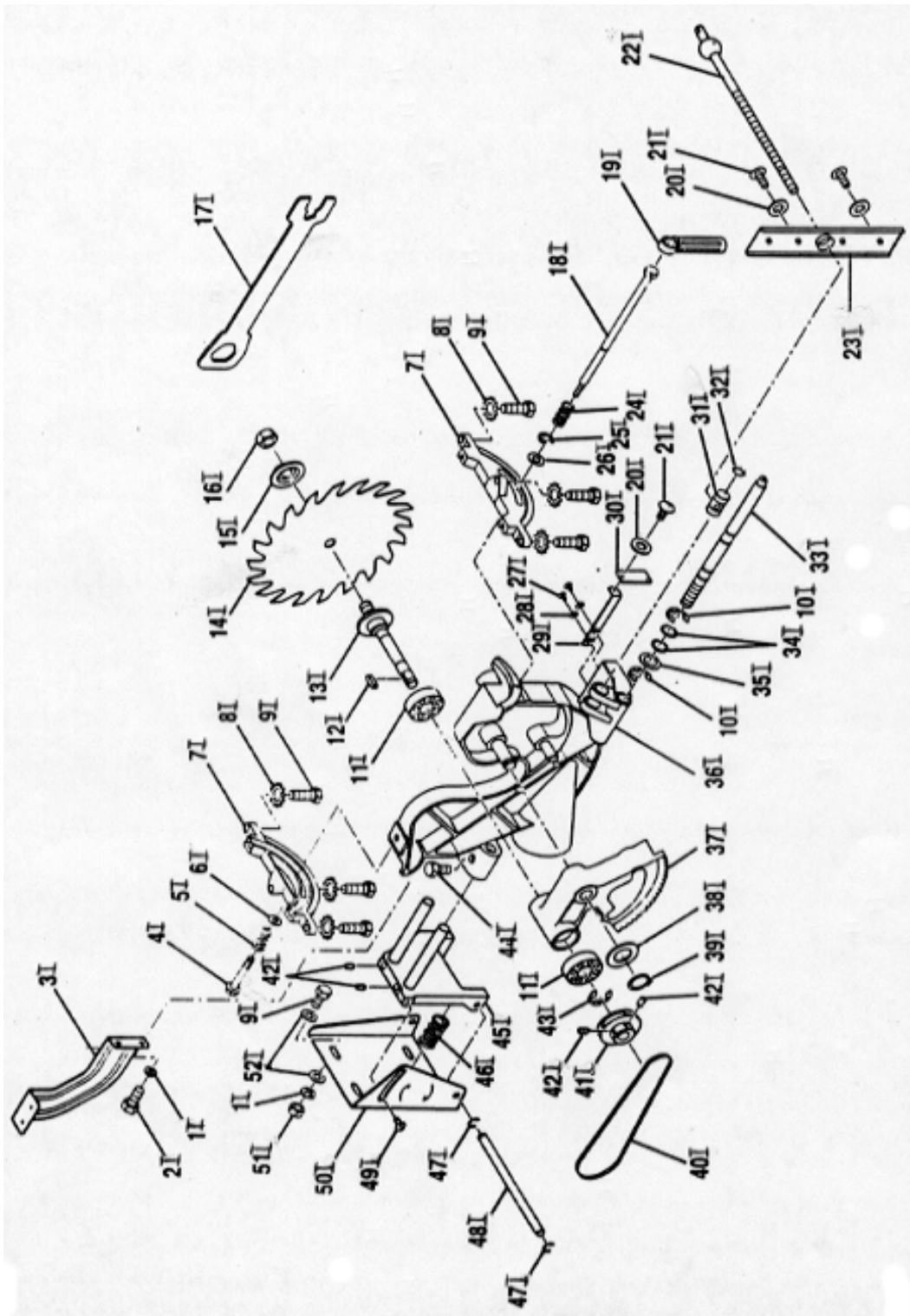
NOTE: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

ASSEMBLY DIAGRAM H



NOTE: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

ASSEMBLY DIAGRAM I



NOTE: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.