



Power Tools

PM-1818

Revised: 8-15-58

DELTA 'SUPER 900' RADIAL SAW OPERATOR'S GUIDE

When you bought your Delta "Super 900" Radial Saw you bought the best and paid nothing more for the extra features of quality construction and manufacturing know-how which are a part of every machine produced by Delta. The "Super 900" with its exclusive turret-arm construction and simple operating controls will enable you to perform an almost endless variety of operations more easily, more safely and more efficiently than on any other radial saw or machine. The basic operations of cross-cutting, ripping, mitering, etc., require no knowledge other than the function of the controls. And with versatile accessories you'll be performing extra jobs you never thought possible . . . limited only by your own ingenuity.

INSTALLATION AND ADJUSTMENT

Every Delta "Super 900" Radial Saw is thoroughly tested, inspected and accurately aligned before leaving the factory and when delivered is ready for operation after cutting head is installed. However, regardless of the care with which this or any piece of fine machinery is manufactured, inspected and shipped, it is possible that rough handling in shipment may make minor adjustments necessary.

Therefore, we offer you these instructions to help you keep your saw in perfect working order for its entire life. We suggest that you check its alignment before use and again at periodic intervals since through the years the abrasive action of dust and dirt may cause some parts to wear.

Your Delta "Super 900" Saw is shipped in a single carton. The carton containing the saw will also have the following items in it:

One wrap assembly consisting of:

Anti-Kickback Rod Assembly
Saw Guard
No. 33-224, 9-inch Saw Blade
Wrenches

INSTALLING ROLLER HEAD TO TRACK-ARM

Mount saw to steel stand or bench.

Assemble roller head to track-arm as follows:

1. Remove the two screws and end plate from track-arm, see Fig. 1.

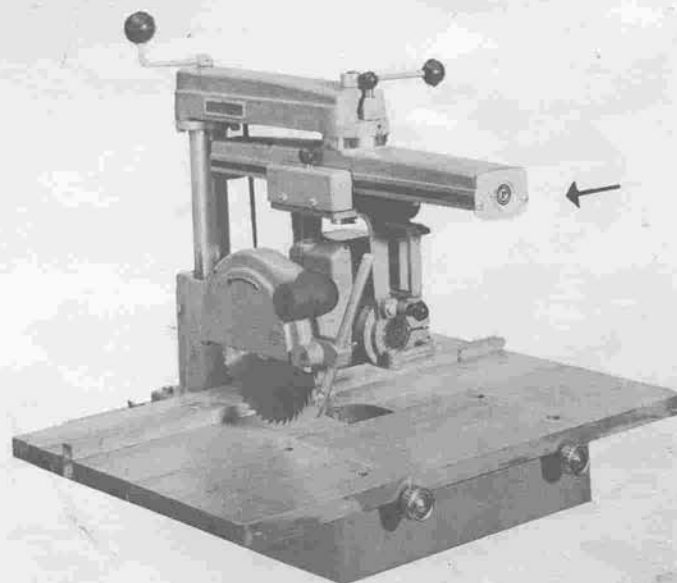


FIGURE 1

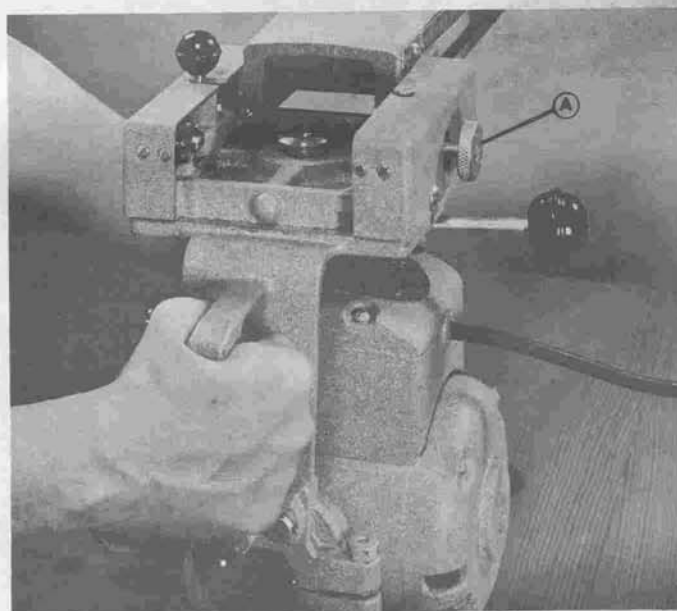


FIGURE 2

2. Hold roller head assembly with both hands as shown in Fig. 2 and line up with track-arm. Motor arbor to be on left-hand side.
3. Slide the first two ball bearings on track, be sure rip lock (A) follows properly. After rip lock is on track, the other two ball bearings will follow.
4. Replace end plate on track-arm and tighten securely.

TAKING SIDE MOTION OUT OF OVER-ARM

Check over-arm for side motion, see Fig. 3. Even after track-arm handle is fully tightened, side motion sometimes develops in over-arm which means that column (A) moves too freely in base (B).

To adjust:

1. Loosen hex nut (C) in base, loosen screw (D) with screw driver and loosen screw (E). Loosen nuts (F) on bolt (G).
2. Tighten bolt (G) so that base wraps around column snugly. Tighten screw (D) against column gib (H) until all side motion disappears in over-arm. Re-tighten screw (E), nut (C) and nut (F) on bolt (G).
3. Check elevation by turning elevating crank handle on top of machine, make sure column (A) moves up and down, but not too freely. One complete turn of handle raises or lowers cutting head $\frac{1}{8}$ -inch.
4. Check two screws (J), holding elevating nut. These screws must be tight.

TAKING OUT "PLAY" BETWEEN OVER-ARM AND TRACK-ARM

Check over-arm and track-arm for "play", see Fig. 4. Lock clamp handle (E). If track-arm "sags" when cutting head moves along track-arm, this means track-arm clamp handle (E) is not properly locking track-arm (A) rigidly against over-arm (B).

To adjust this condition:

1. Move cutting head to center of track.
2. Place clamp handle (E) in rear or unlock position.
3. Back off dog point set screw (C) which sets in a King bolt (D) slot.
4. Place heavy screw driver (F) into end slot of King bolt (D) and turn bolt COUNTER-CLOCKWISE until dog point set screw (C) can be fitted into next slot in King bolt (D). Tighten into slot. This will bring track-arm (A) snug against over-arm (B).
5. Tighten clamp handle (E) and again check. Repeat above operation if necessary.

HOW TO TIGHTEN YOKE AGAINST BEARING CARRIAGE

Check yoke and bearing carriage for tightness, see Fig. 5. If "play" develops between yoke (C) and carriage (B) it means that yoke clamp (A) requires re-setting.

To Rest:

1. Remove end plate from track, see Fig. 1.
2. Remove cutting head assembly from track.
3. Push yoke clamp handle (A) Fig. 5 to loosen. Also loosen dog point set screw (D) with wrench.

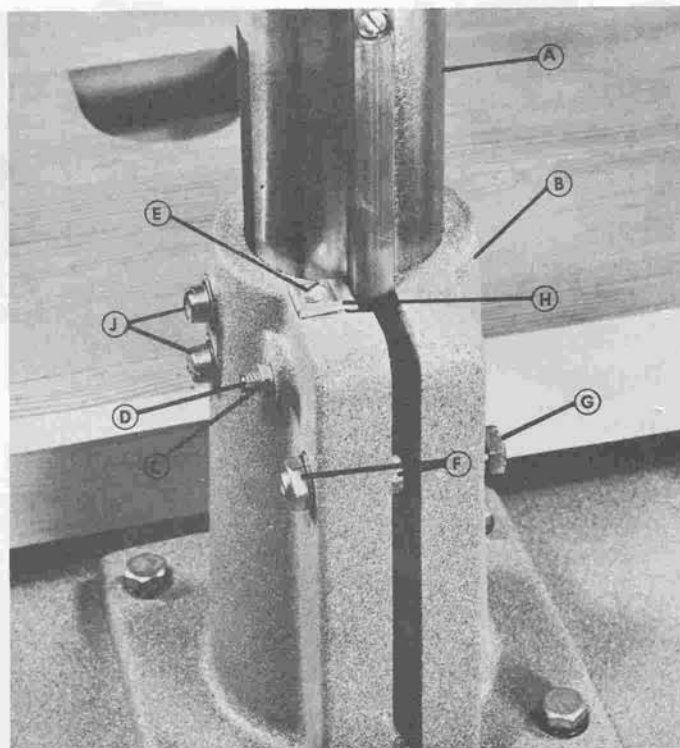


FIGURE 3

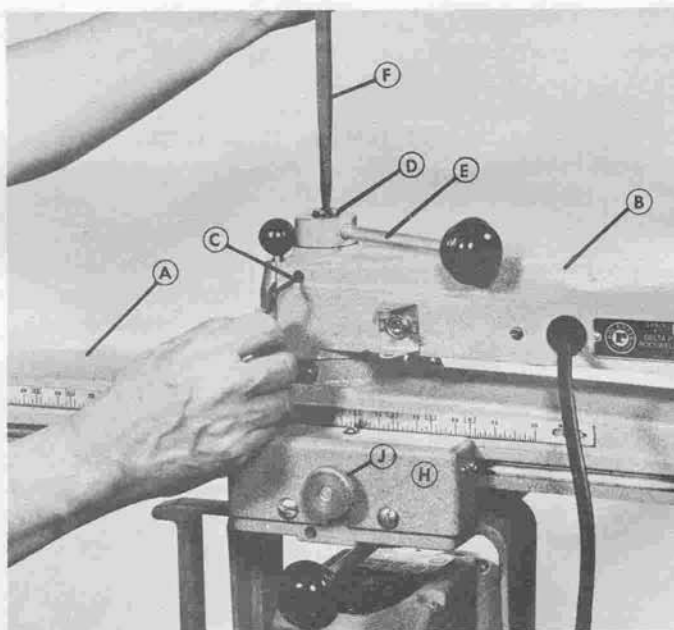


FIGURE 4

4. Turn slotted bolt (E) with heavy screw driver (F) COUNTER CLOCKWISE until dog point set screw (D) can be fitted into next slot in bolt (E). Tighten into slot. Re-tighten yoke clamp handle (A) and again check. Repeat above operation if necessary.
5. Replace cutting head assembly on track.
6. Replace end plate.

HOW TO ADJUST BALL BEARINGS AGAINST TRACK

Check ball bearings against track for any "play" that might develop, see Fig. 6. The ball bearings (A) must ride smoothly and evenly in track (B) to do accurate work. The carriage is mounted on four (4) pre-loaded pre-lubricated, shielded ball bearings, two on fixed shafts (on saw blade side of track-arm) the other two on adjustable eccentric shafts. CAUTION! NEVER OIL TRACK.

To adjust:

1. Remove cover (H) Fig. 4, on right side of track-arm.
2. Loosen rip lock (C) Fig. 6 and loosen set screws (D) on both front and rear bearings to release lock action on eccentric shafts (F).
3. Place wrench (E) on hex nut that locks shaft (F) and loosen (both front and rear bearings).
4. Place wrench (G) on eccentric shaft (F) and turn until all play is removed. Do same to rear bearing.
5. Re-tighten hex nuts with wrench (E) and lock set screws (D) at both bearings.

HOW TO KEEP TABLE TOP PARALLEL TO TRACK-ARM

Place saw blade on motor arbor with cutting edge of teeth in clockwise direction. The arrow on the safety guard shows how the saw teeth must point for proper cutting action, see Fig. 1. After saw blade is mounted on arbor against inside collar, place outside collar, recessed side against the saw blade, then tighten arbor nut (left-hand thread) with wrench.

If the saw blade cuts into the table deeper in one spot than another, it is an indication that the table is not level.

To level, see Fig. 7:

1. Loosen clamps and remove loose boards from table top.
2. Loosen all hex nuts (A) with wrench (B), (8 nuts in all).
3. Adjust left side of table first, with saw blade in normal position for cross-cutting as shown. Turn screws, with screw driver (C), clockwise to lower support bracket (D). If support bracket has to be raised, turn screw counter-clockwise and tighten nut (A) on screw. There are four screws in each bracket, two flat head and two round head.
4. Place one of the loose boards across both support brackets at the rear of the table.
5. With a flat "feeler gauge", made of wood and about 1/4-inch thick and 3 inches wide, check to make sure the saw blade is the same distance from the table board top at the front and at the rear of bracket (D).

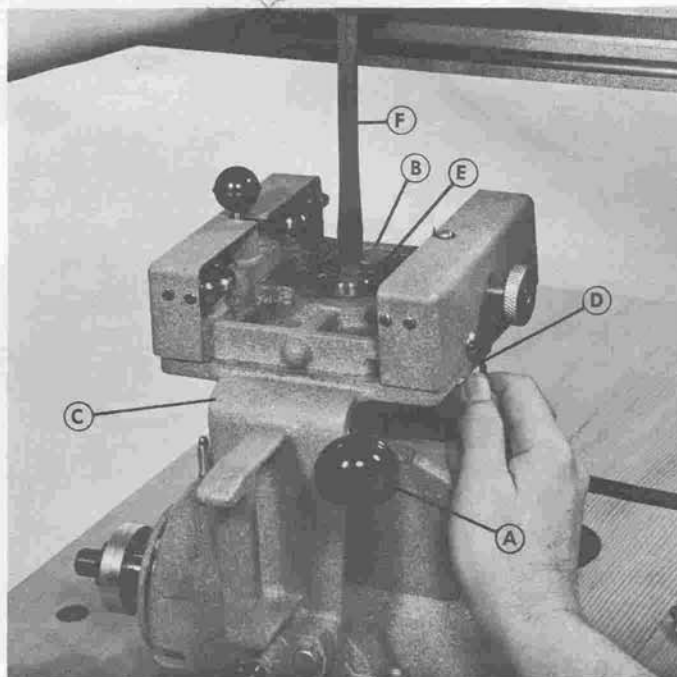


FIGURE 5

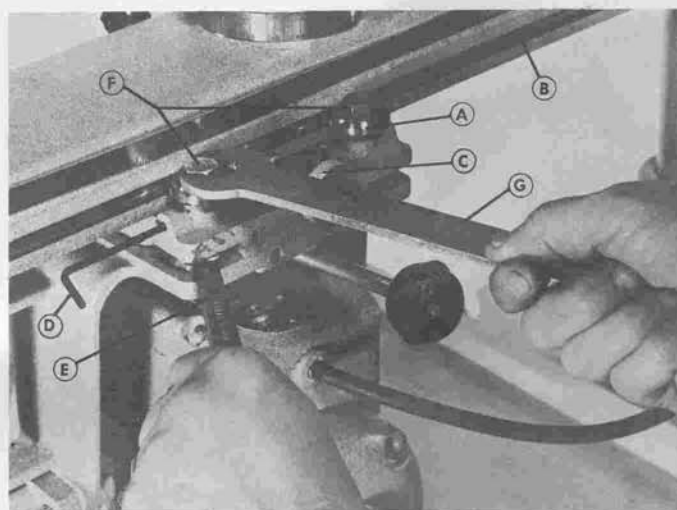


FIGURE 6

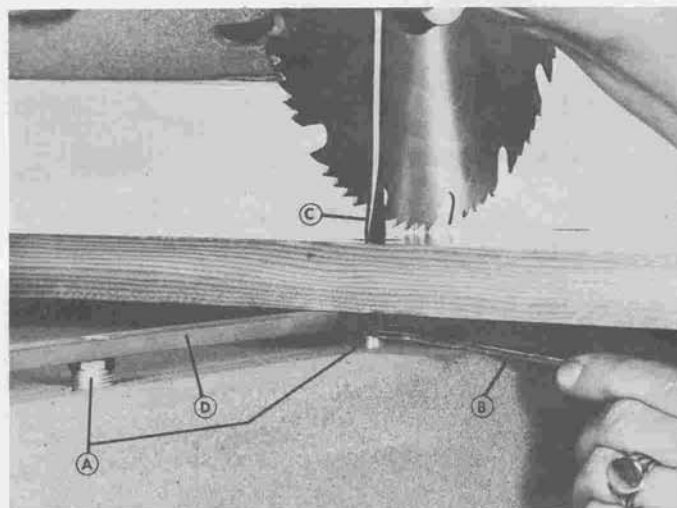


FIGURE 7

6. Turn the track-arm 90 degrees so that saw blade will be in the front position over the fixed boards and lock track-arm in this position by tightening clamp handle.
7. Move cutterhead full length of travel on track and adjust support brackets if necessary to level table. Use the same "feeler gauge" to make sure saw blade is the same distance from the table top at one end of track-arm as it is at the opposite end.
8. After table has been leveled across the front, turn the track-arm another 90 degrees so that saw blade will now be on the right side of table, and lock track-arm in this position with clamp handle. Proceed with adjustment the same as when saw blade was on left side of table.
9. When table has been leveled, re-tighten all hex nuts with wrench (B). Be sure to hold screws in place with screw driver (C) when tightening nuts.
10. Replace boards and tighten in place with clamps.

HOW TO KEEP BLADE SQUARE WITH TABLE TOP

Check saw blade for squareness with table top, see Fig. 8. To do accurate cut-off work, this adjustment is necessary.

1. Place saw blade in cut-off position as shown.
2. Move cutting head forward over fixed board.
3. Place Steel square (B) against saw blade (A). For accurate check, be sure square is between the gullets and not against saw teeth.
4. Pull out bevel clamp handle (C) to release lock action that holds motor. Loosen hex bolts (D) with wrench. Motor can now be tilted.
5. Tilt motor until square is absolutely flush against saw blade. Re-tighten bevel clamp handle (C) to hold position, then tighten both hex bolts (D).
6. If additional adjustment is necessary remove scale plate (E) by removing the two screws.
7. Loosen the two Fillister head shoulder screws, rotate motor for approximate adjustment then re-tighten the two screws securely, replace scale plate (E) and repeat operations listed above for final adjustment.

HOW TO KEEP SAW TRAVEL SQUARE WITH FENCE

Check saw travel for squareness with table fence, see Fig. 9. To do accurate work, saw travel must be 90 degrees to table guide fence. If it is not square, this means that arm-track (G) is not properly aligned to table guide fence.

To adjust:

1. Lower cutting head so that saw blade (A) just clears table top.

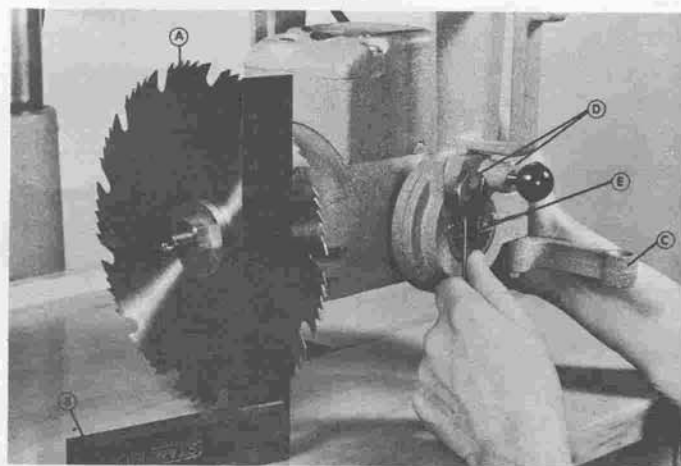


FIGURE 8

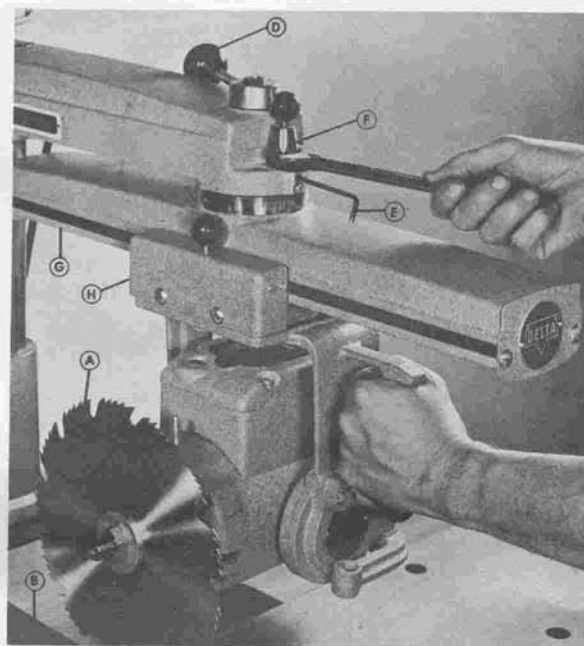


FIGURE 9

2. Pull cutting head along square (B). If it is not parallel to square, push back arm-track clamp handle (D) to unlock clamp. Loosen set screw (E) approximately one-half turn.
3. Adjust eccentric housing (F) either right or left with wrench, as shown, so saw blade moves parallel with steel square.
4. When saw blade travels evenly against steel square, tighten arm-track handle (D) to hold adjustment. Then tighten set screw (E) for permanent location.

ADJUSTING BEVEL CLAMP HANDLE

Check bevel clamp handle for firm locking position, see Fig. 10. Bevel latch (E) quickly locates motor (A) at 0, 45 and 90 degree operating positions.

However, in-between angles are located on the degree scale and securely held in position with bevel clamp handle (B).

When condition develops that bevel clamp handle (B) does not securely lock the motor, adjustment is necessary.

To adjust:

1. Tighten rip lock (F), and raise cutting head about 2 inches above table.
2. Loosen bevel clamp handle (B) as shown.
3. Loosen hex lock nut (C).
4. Turn bolt (D) clockwise to tighten, using wrench, then securely lock by re-tightening hex nut (C).
5. Bevel clamp handle (B) will now furnish rigid holding action at any angle.
6. Install saw guard as in Fig. 11.

REMOVING "HEELING" IN SAW CUT

Check "Heeling" in saw cut, see Fig. 11. Even though the track-arm may be perfectly aligned to guide fence you may feel a "drag" in cutting action. This means that the saw blade teeth are not cutting in a true plane. In effect, the back teeth of the cutting blade are not following the plane (Kerf) of the front teeth.

This can be tested by cross-cutting a board. Take away the board, then return the saw blade to rear of table. If saw is not cutting in true plane, it is "heeling" and you will see pronounced saw tooth marks at one end of board.

To adjust:

1. First, make a cut into the board as mentioned above and see on which side of the cut board saw teeth marks appear.
2. Remove cover (H) Fig. 9.
3. If saw teeth marks appear on the (E) side Fig. 11, this means that the back end of the saw blade (A) must be shifted toward (B) side.
4. Loosen yoke clamp handle (F). Then loosen both hex cap screws (C) and turn yoke (D) COUNTER-CLOCKWISE. If saw teeth marks appear on (B) side of board, turn yoke (D) CLOCKWISE.
5. Tighten yoke clamp handle (F) to hold position. Re-tighten cap screws (C) and make another test.
6. Continue this adjustment until "heeling" is corrected. Replace cover.

Before plugging into a single phase, 110-120 volt AC power outlet, the size of the wire between the power panel and outlet should be checked. The minimum size wire that should be used is size No. 14. This is the nominal size wire used in houses. The fuse used should be a 15 Amp., Time Lag Fuse. The same wire and time lag fuse size should be used if the power is 220-240 volts, single phase.

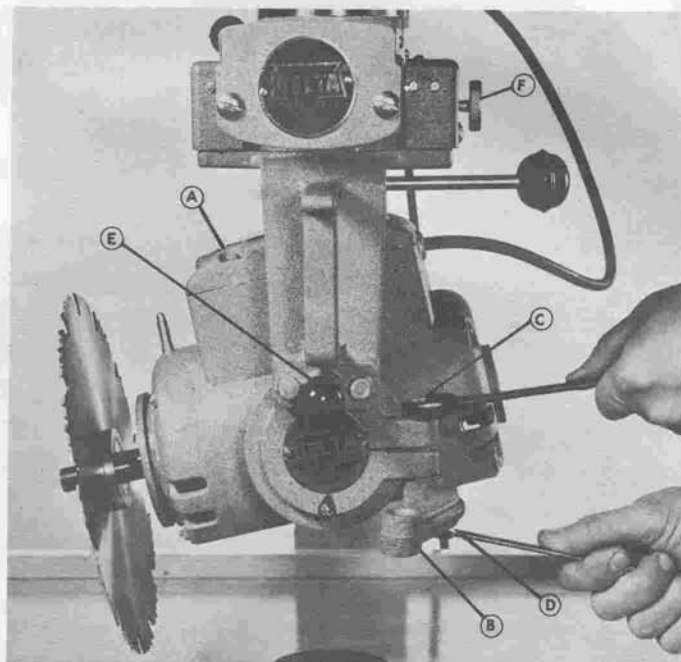


FIGURE 10

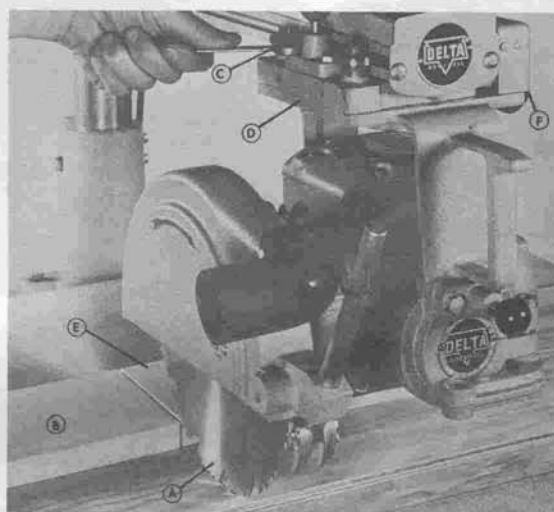


FIGURE 11

LUBRICATION

Put a few drops of a good grade machine oil (SAE) on the column, to allow it to move up and down freely, and also put some oil on the elevating screw to keep it lubricated. These are the only two places that are to be oiled.

CAUTION! NEVER OIL TRACK.

IMPORTANT

Be sure that electrical current being used agrees with specifications on the motor name plate. Motor is wired for 110-120 volts, which is standard house wiring. It can be used on 220-240 volts by making simple wiring changes as shown on motor name plate. If you have purchased a three phase unit, an electrician should connect three phase power units to the power source in compliance with the National Electric Code and local electrical codes.

THINGS TO REMEMBER

1. Always turn off power and wait until saw blade stops turning, before adjusting, changing set-ups or leaving saw.
2. Follow red warning on saw guard for instructions on ripping.
3. Keep saw blade sharp and properly filed.
4. Adjust end of guard opposite dust spout down to material for all ripping operations.
5. Always use Anti-Kickback fingers when ripping.
6. Be sure that all clamp handles are properly tightened before operating machine.
7. Be sure material rests firmly against the guide fence in cut-off position before starting to cut.
8. Be sure end plates are securely fastened to track-arm before using saw.
9. Keep blade clean with Delta No. 4051 Gum & Pitch remover.
10. Keep blade and arbor flanges free from dirt or grease.
11. Always use saw guard if possible.

OPERATION

Once you have learned the function and location of each of the basic operating controls it will be easy for you to set up your Delta '900' to perform any of the hundreds of jobs it will do in your workshop.

ELEVATING HANDLE (A)—controls the depth of cut in all operations. One full turn of the handle raises or lowers the cutting head $\frac{1}{8}$ ".

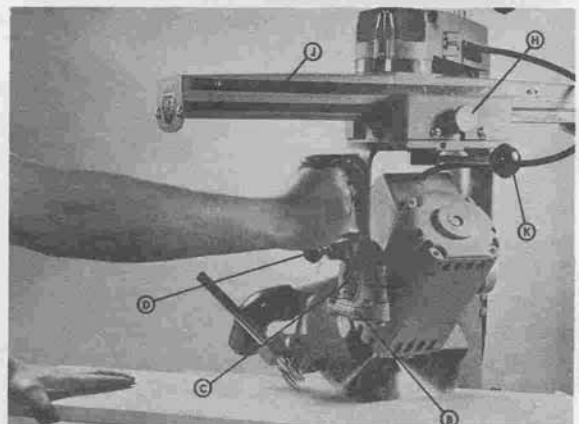
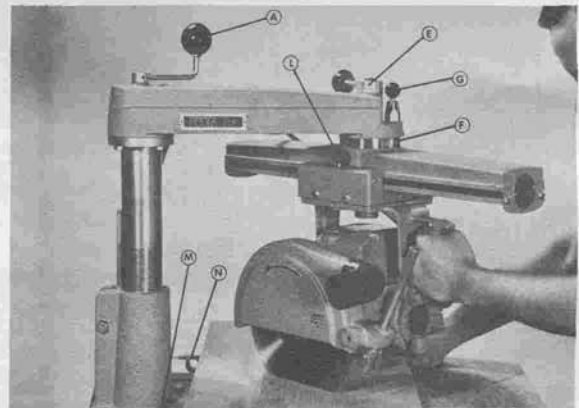
BEVEL CLAMP HANDLE (B)—controls tilt of saw blade for bevel or compound angle cutting operations. Locks blade at any desired angle on the **BEVEL SCALE (C)**. **BEVEL LATCH (D)**—locates 0°, 45° and 90° positions automatically.

TRACK-ARM CLAMP HANDLE (E)—controls swing of track-arm for all cutting operations. Locks track-arm at any angle, 0° to 90° right or left, on **MITER SCALE (F)**. **MITER LATCH (G)**—quickly locates 0° and 45° positions, right and left.

RIP CLAMP KNOB (H)—locks cutting head at any desired position on track-arm. **RIP SCALE (J)** indicates position.

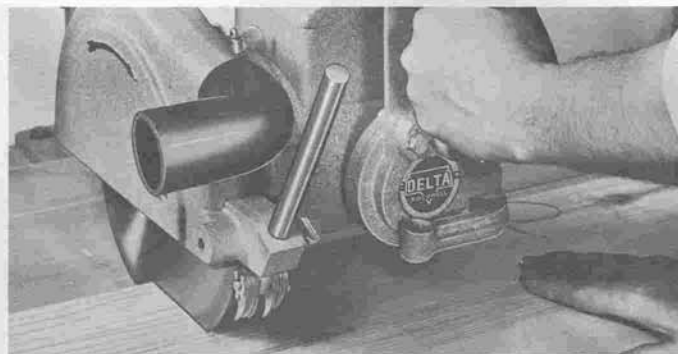
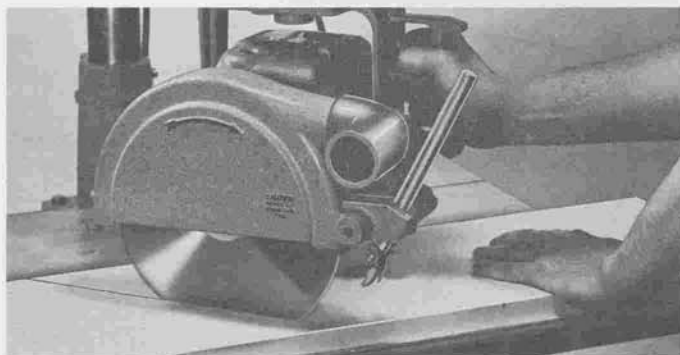
SWIVEL CLAMP HANDLE (K)—controls the swivel of the yoke for ripping operations. Locks yoke at any angle 0° to 360°. **SWIVEL LATCH (L)** quickly locates each 90° position.

RIP FENCE LOCK CONTROLS (M & N)—for locking rip fence on saw table at any position depending upon table capacity desired (in front of fence).



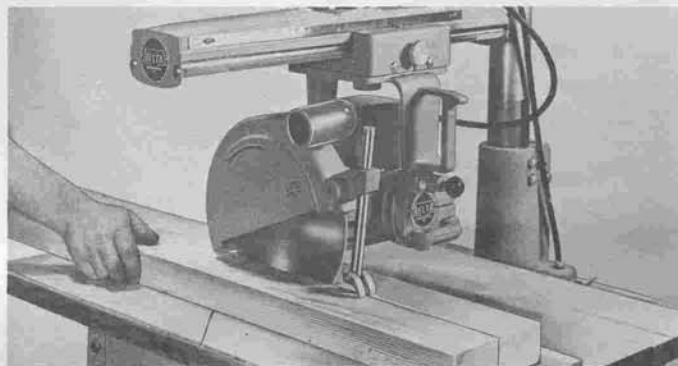
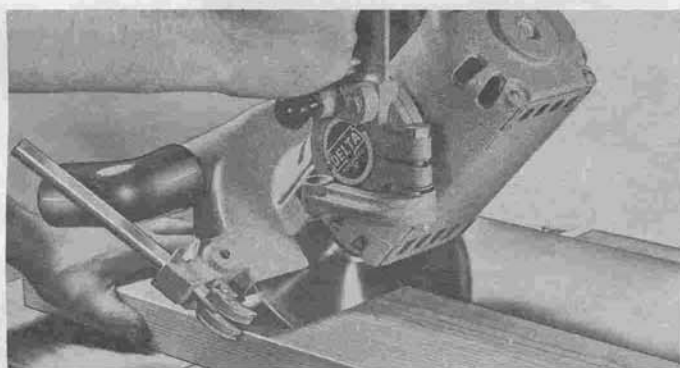
SET-UP PROCEDURE FOR BASIC CUTTING OPERATIONS

CROSS-CUTTING—Position the track-arm at 0° on the miter scale with saw blade at left and to rear of track-arm behind fence. Miter latch will quickly locate 0° position. Lock securely using the track-arm clamp handle. Place material on work table against fence and pull saw blade across. Return saw blade behind fence. Use same routine for successive cuts.



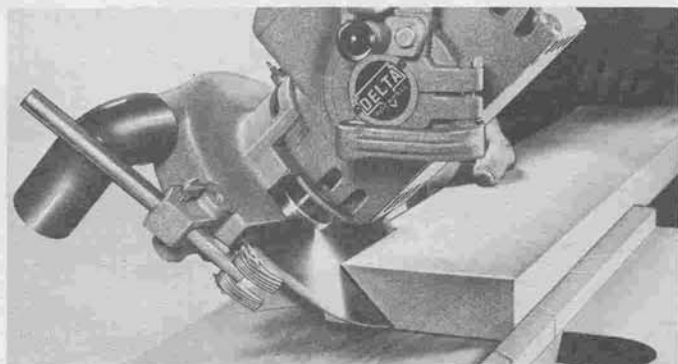
RIGHT and LEFT HAND MITERING—Release miter latch and swing track-arm to desired angle on miter scale. Lock using track-arm clamp handle. The most common mitering angles are 45° right and left and the miter latch will locate these positions automatically. Set material against fence and pull saw blade across as you do in cross-cutting.

RIPPING—Set track-arm in cut-off or 0° position. Release swivel latch and swing yoke to 90° setting. Swivel latch will automatically locate 90° setting. Lock in position using swivel lock handle. Position the yoke on track-arm to rip width desired and lock securely using clamp knob. Lower guard to clear material on in-feed end, adjusting anti-kickback attachment accordingly (as shown). Place material against fence and push past saw blade. Do not feed material into anti-kickback end of saw guard.

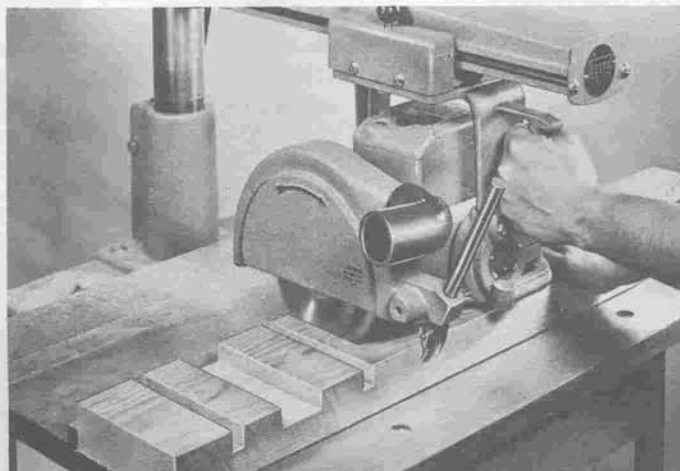
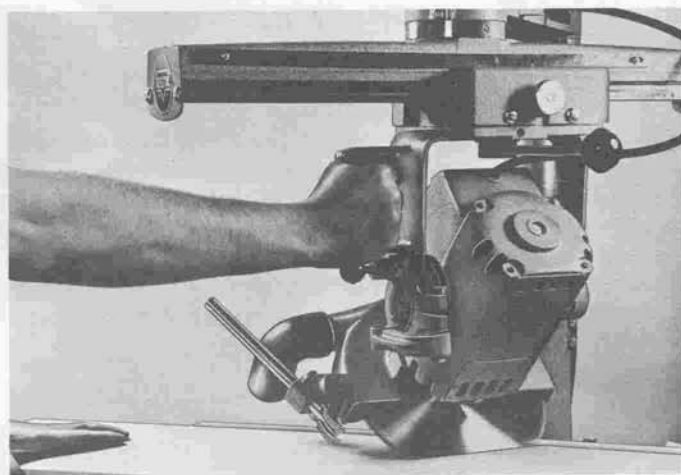


BEVEL CROSS-CUTTING—Raise the cutting head using elevating crank handle. Set track-arm in cut-off or 0° position. Release bevel latch and bevel clamp handle and tilt saw blade down to desired angle on bevel scale. (Bevel latch will locate 45° position automatically.) Lock securely in position. Set material against fence and pull saw blade across as you do in cross-cutting.

BEVEL RIP—Set track-arm in cut-off or 0° position. Swing yoke to 90° setting. Tilt motor to desired angle. Position carriage on track-arm to rip width desired and lock securely using rip clamp knob. Adjust guard as in ripping operation. Set material against fence and feed as in ripping operation.

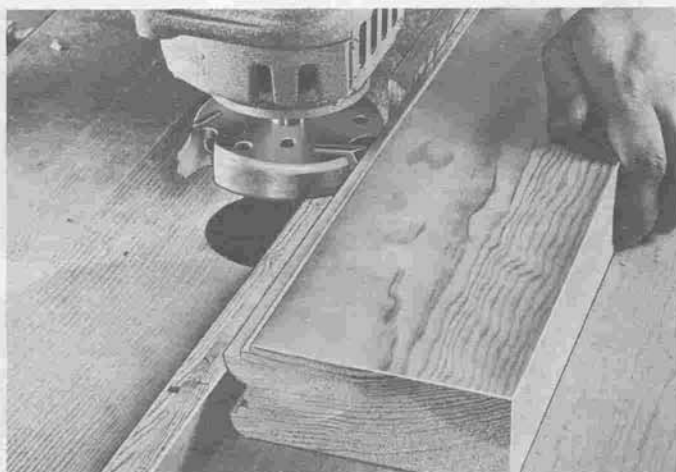
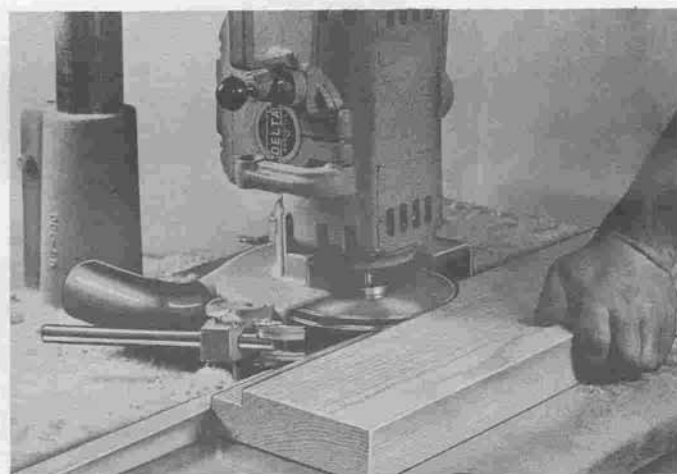


LEFT and RIGHT HAND BEVEL MITERING (COMPOUND ANGLE SAWING)—Swing the track-arm to the desired angle, right or left, on the miter scale and lock securely in position using the track-arm clamp handle. Tilt the saw blade to the desired angle on the bevel scale and lock in place using the bevel clamp handle. Place material on table top against fence and pull blade across as in cross-cutting.



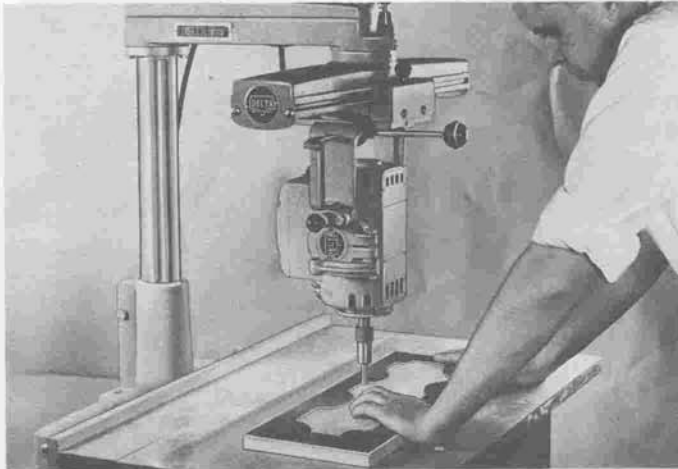
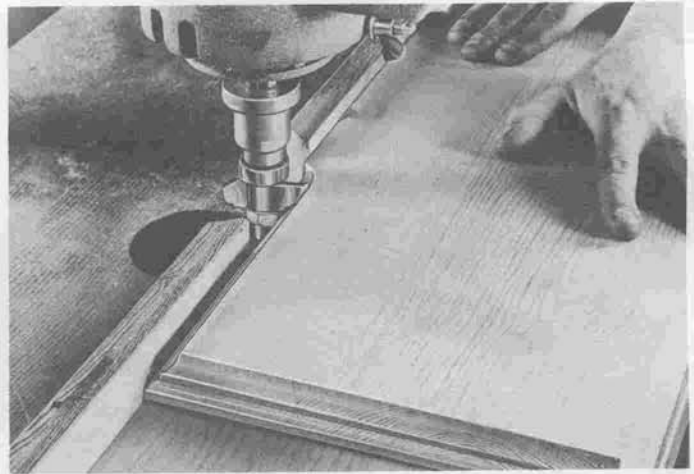
DADOING—Remove blade from saw arbor and mount dado head (#34-334 or #34-333). Follow cross-cutting set-up for cross-dadoing, right and left hand mitering set-up for angle dadoing, ripping set-up for ploughing (dadoing length of material) and bevel ripping set-up for bevel ploughing. Use elevating crank handle to raise and lower cutting head to control depth of cut.

RABBETING—Set track-arm in cut-off or 0° position and yoke to 90° setting locating blade in inboard position. Raise cutting head using elevating handle. Tilt cutting head to vertical position and lock in place using bevel clamp handle. Bevel latch will locate setting automatically. Lower cutting head until dado head reaches desired depth of cut. Position dado head in front of fence for width of cut by sliding cutterhead forward on track-arm. Lock securely using rip clamp knob. Feed material against fence into dado head (as shown). For bevel rabbeting simply tilt cutting head to desired angle.



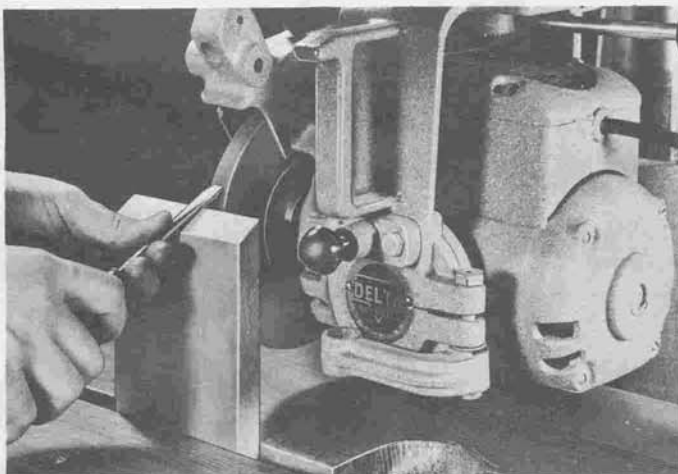
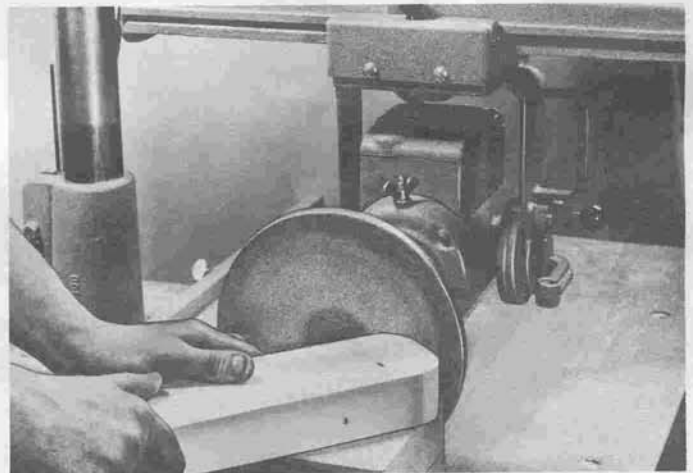
MOULDING—Mount the moulding head, (#265) with desired cutter knives to saw arbor. Follow set-up procedure as in rabbeting and feed material as in ripping. The cutting head can be raised or lowered using the elevating crank handle. It can be moved forward, backward and tilted and locked in any position. Any portion of the cutter knives, therefore, can be brought into play and each set of knives can turn out an almost endless variety of shapes.

SHAPING—Mount the shaper cutter adapter (#33-600) and the desired shaper cutter to the saw arbor. Use the same set-up as for rabbeting. You now have a tilting arbor shaper because the cutter can be tilted to any angle on the bevel scale and locked in position using the bevel clamp handle. In addition you can raise or lower the cutter or move it in or out. Feed material along the fence rapidly following the grain of the wood.



DISK SANDING—Mount the sanding disk (#33-603) to the saw arbor. Set the track-arm in 0° or cut-off position. Fasten a work support jig (which can be readily made) to the table top. The sanding disk rotates clockwise so feed material on right side of disk. The disk (motor) can be tilted to any angle on the bevel scale for angle sanding and locked in position using the bevel clamp handle. Material always lies flat and moves on a level work table—a desirable feature.

ROUTING—Mount the router bit adapter, (#33-277) and desired router bit to the saw arbor. Set the track-arm in 90° position and the cutting head to vertical position. Hold material firmly and feed router into material using elevating crank handle. When required depth is obtained, move material to make the pattern desired.



GRINDING, BRUSHING, ETC.—Mount either a grinding wheel, (#1267) or wire wheel (either #1236, 1237 or 1238) to the saw arbor. Set the machine as you would for cross-cutting and lock in position. Remove fence and insert fixture (as shown) in fence slot and clamp in position using rip fence lock controls. Wheel center should be slightly below top of work support fixture. If necessary, cutting head can be moved forward on track-arm. Adjust guard accordingly. Grind in usual manner.

REPLACEMENT PARTS

Part No.	Description	Number Required
OVERARM		
LBS-27	Grommet	1
MG-102	Arm	1
MG-111	Track King Bolt	1
MG-137-S	Plunger Housing Assembly, Including:	1
	MK-5516—Spring	1
	SP-3606—Knob	1
MG-142	Yoke Lock Rod	1
MG-148-A	Elevating Handle	1
MG-159	Adapter Bushing	1
MG-169	Safety Switch Bracket	1
MG-175	Switch Cover	1
MG-191	Name Plate	1
MH-3417	Pointer	1
SP-293	1/4-20x3/8" Set Screw, Cup Pt.	2
SP-558	#8-32x1/4" Rd. Hd. Mach. Screw	1
SP-567	#6-32x1/4" Rd. Hd. Mach. Screw	2
SP-576	#8-32x3/8" Rd. Hd. Mach. Screw	1
SP-1104	1/4-20x1/4" Set Screw, 1/2 Dog Pt.	1
SP-1654	Int. Tooth Lockwasher	1
SP-1660	Int. Tooth Lockwasher	1
SP-2252	#2x3/16" Drive Screw	2
SP-2706	3/16x1" Roll Pin	1
SP-2953	Tinnerman Nut	1
SP-3026	#8x3/8" Type Z Screw	2
SP-3607	Knob	1
SP-3608	Knob	1
SP-4826	Adaptor	1
SP-4827	Wire Terminal	2
SP-4828	Power Cord Set	1
SP-4837	Cable Clamp	1
SP-4838	Cable Clamp	1
SP-4870	Insulating Boot	2
SP-5021	Round End Terminal	2
SP-5436	#8-32 Hex. Nut	1
SP-7050	Retaining Ring	2
SP-10040	Toggle Switch	1

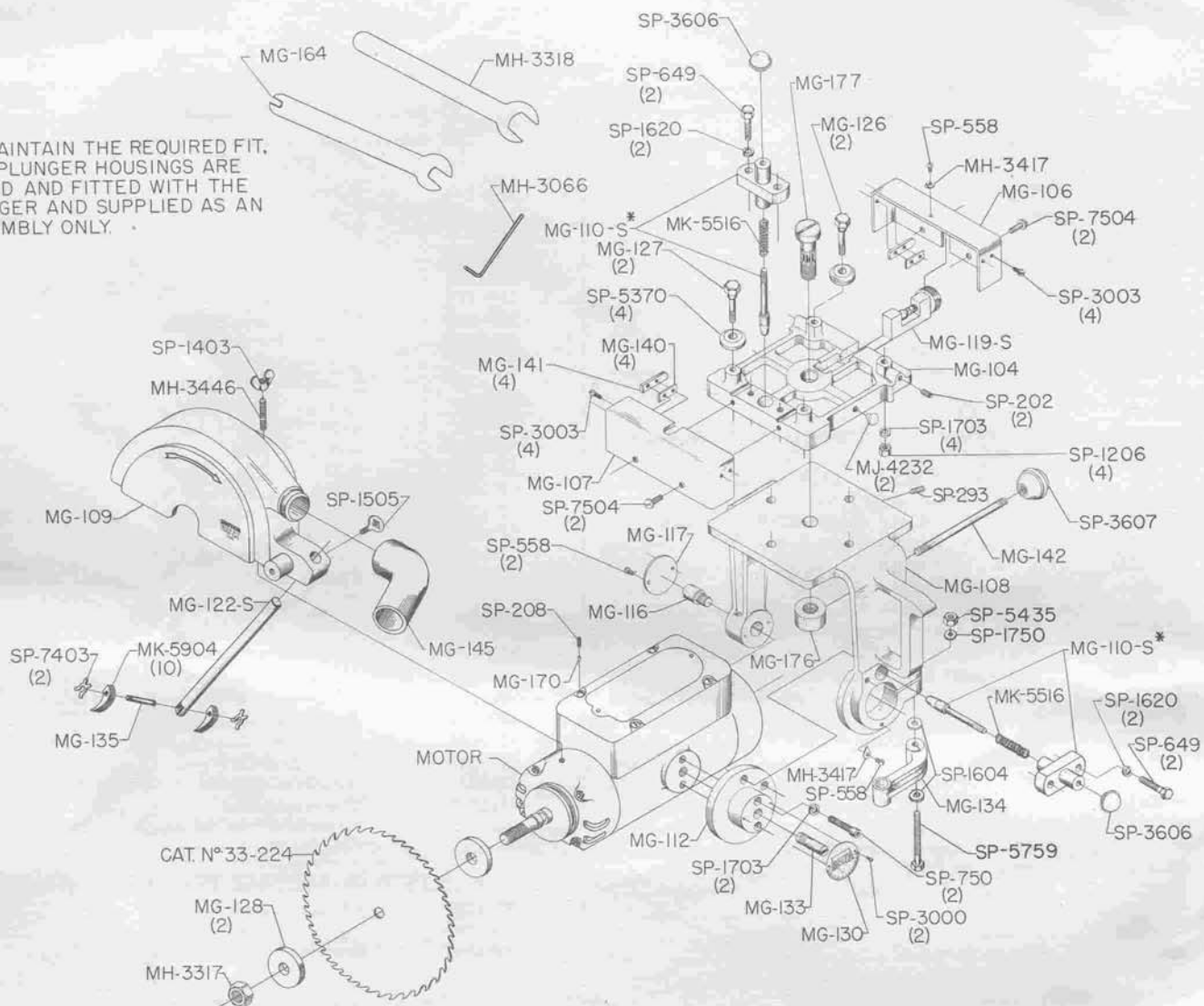
Part No.	Description	Number Required
COLUMN & BASE		
MG-100	Column Base	1
MG-101	Column	1
MG-105	Elevating Nut	1
MG-115	Elevating Screw	1
MG-118	Key Aligning Gib	1
MG-125	Column Key	1
MG-131	Thrust Washer	1
SP-185	1/4-20x1" H'dless Set Sc. Flat Pt.	1
SP-593	#10-24x3/8" Rd. Hd. Mach. Screw	1
SP-648	3/8-16x1 1/4" Hex. Hd. Cap Screw	8
SP-649	3/16-18x1" Hex. Hd. Mach. Screw	2
SP-715	1/4-20x1 1/2" Fil. Hd. Mach. Screw	3
SP-1034	1/4-20 Hex. Nut	1
SP-1231	3/8-24 Hex. Nut	2
SP-1703	3/16" Split Lockwasher	2
SP-1704	3/8" Split Lockwasher	4
SP-2720	1/4x1" Roll Pin	2
SP-5486	3/8-24x2 1/2" Hex. Hd. Cap Screw	1
SP-7337	Thrust Washer	1

TRACK-ARM		
MG-103-R	Track Including:	1
	MG-123—Miter Scale	1
	SP-2252- #2x3/16" Drive Screw	2
MG-150	Rip Scale	1
MG-181	Medallion	1
MG-190	Track End Plate	2
SP-558	#8-32x1/4" Rd. Hd. Mach. Screw	2
SP-2959	Tinnerman Nut	2
SP-7504	1/4-20x3/8" Truss Hd. Mach. Screw	4

PARTS FOR 3 PHASE POWER CONNECTION		
SP-4802	3 Phase Switch	1
SP-4881	Box	1
SP-4806	Box Cover	1

REPLACEMENT PARTS

* TO MAINTAIN THE REQUIRED FIT, THE PLUNGER HOUSINGS ARE HONED AND FITTED WITH THE PLUNGER AND SUPPLIED AS AN ASSEMBLY ONLY.



CUTTING HEAD WITH 9" BLADE GUARD & ANTI-KICKBACK ATTACHMENT

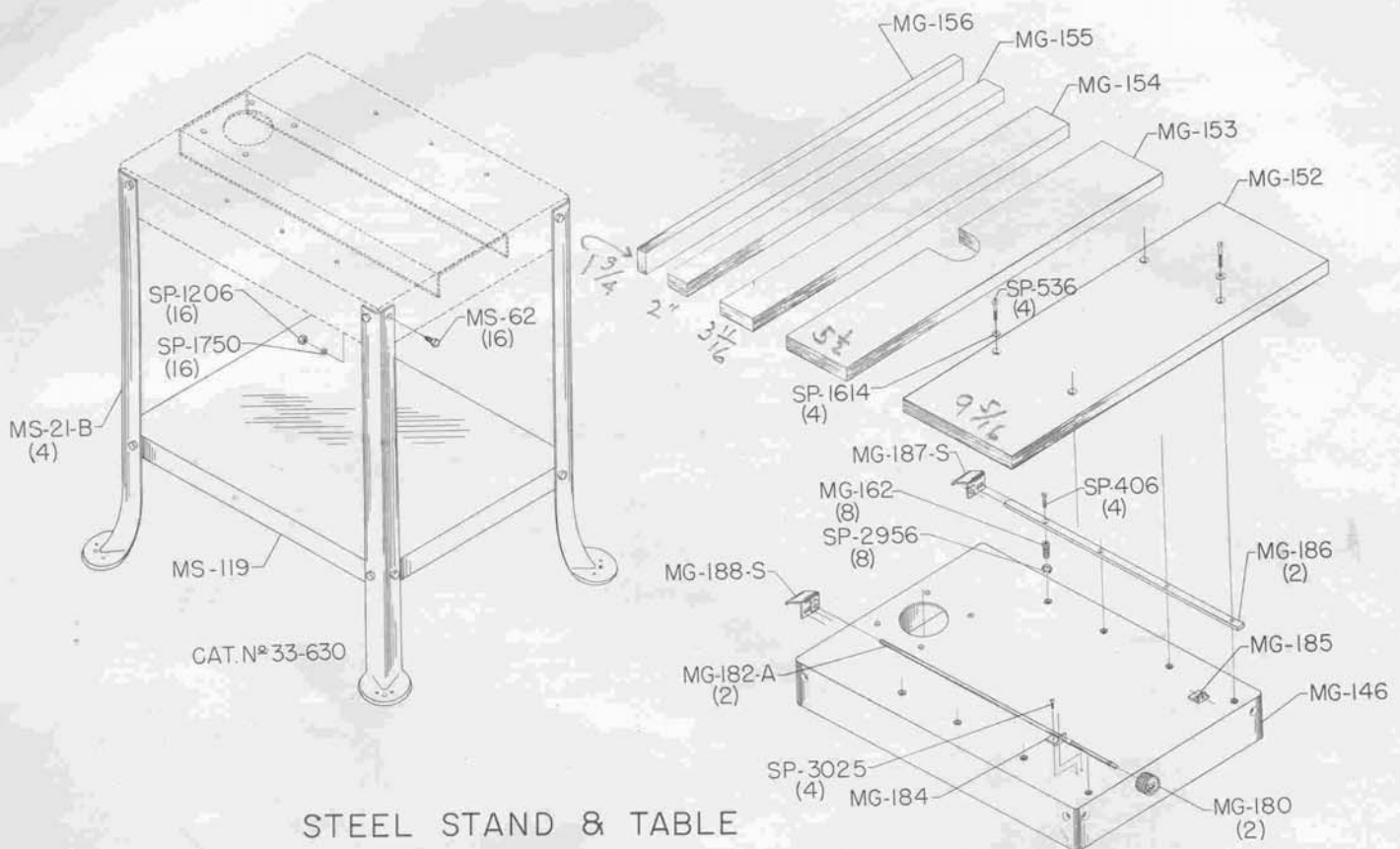
REPLACEMENT PARTS

Part No.	Description	Number Required
CUTTER HEAD		
MG-104	Roller Head Casting.....	1
MG-106	Bearing Cover (Right).....	1
MG-107	Bearing Cover (Left).....	1
MG-108	Yoke.....	1
MG-110-S	Plunger Housing Assembly, Including:.....	2
	MK-5516—Spring.....	1
	SP-3606—Knob.....	1
MG-112	Front Trunnion.....	1
MG-116	Trunnion Stud.....	1
MG-117	Rear Trunnion Plate.....	1
MG-119-S	Rip Lock.....	1
MG-126	Eccentric Bearing Stud.....	2
MG-127	Straight Stud.....	2
MG-128	Arbor Collar.....	2
MG-130	Bevel Scale.....	1
MG-133	Front Trunnion Locating Stud.....	1
MG-134	Bevel Clamp Handle.....	1
MG-140	Holding Strip.....	4
MG-141	Felt Track Wiper.....	4
MG-142	Yoke Lock Rod.....	1
MG-164	½" Hex. Wrench.....	1
MG-170	Plug.....	1
MG-176	¾-16 L.H. Thread, Yoke Locking Nut.....	1
MG-177	¾-16 L.H. Thread King Bolt.....	1
MH-3066	½" Hex. Wrench.....	1
MH-3317	Arbor Nut.....	1
MH-3318	Arbor Nut Wrench.....	1
MH-3417	Pointer.....	2
MJ-4232	Rubber Bumper.....	2
SP-202	¼-20x½" Set Screw, Fl. Pt.....	2
SP-208	¼-20x¼" Set Screw, Fl. Pt.....	1
SP-293	¼-20x⅝" Set Screw.....	2
SP-558	#8-32x¼" Rd. Hd. Mach. Screw.....	4
SP-649	⅝-18x1" Hex. Hd. Cap Screw.....	4
SP-750	⅝-18x1" Soc. Hd. Cap Screw.....	2
SP-1206	⅝-24 Hex. Nut.....	4
SP-1604	⅝" Steel Washer.....	2
SP-1620	⅝" Steel Washer.....	4
SP-1703	⅝" Lockwasher.....	6
SP-1750	Shakeproof Washer.....	2
SP-3000	#6-32x¼" Self-Tapping Screw.....	2
SP-3003	#6x⅜" Self-Tapping Screw.....	8
SP-3607	Knob.....	1
SP-5370	Track Bearing.....	4
SP-5435	⅝-18 Hex. Nut.....	1
SP-5759	⅝-18x2¼" Hex. Hd. Cap Screw.....	1
SP-7504	¼-20x⅝" Truss Hd. Mach. Screw.....	4
Cat. #33-224	Comb. Saw Blade.....	1

SAW GUARD

MG-109	Saw Guard.....	1
MG-122-S	Anti-Kickback Rod, Including:.....	1
	MG-135—Kickback Pin.....	1
	MK-5904—Kickback Finger.....	10
	SP-7403—Lockwasher.....	2
MG-145	Dust Spout.....	1
MH-3446	Guard Stud, ⅝-18 Tread.....	1
SP-1403	⅝-18 Wing Nut.....	1
SP-1505	¼-20 Thumb Screw.....	1

REPLACEMENT PARTS



STEEL STAND & TABLE

Part No.	Description	Number Required
TABLE		
MG-146	Table Base.....	1
MG-152	Front Board, 9 5/16" x 32".....	1
MG-153	Board, 5 1/2" x 32".....	1
MG-154	Board, 3 1/16" x 32".....	1
MG-155	Board, 1 3/4" x 32".....	1
MG-156	Fence, 1 3/4" x 32".....	1
MG-162	Leveling Screw.....	8
MG-180	Hand Knob.....	2
MG-182-A	Clamp Rod.....	2
MG-184	Rod Support, L.H.	1
MG-185	Rod Support, R.H.	1
MG-186	Leveling Strip.....	2
MG-187-S	Clamp Pad, L.H.	1

Part No.	Description	Number Required
MG-188-S	Clamp Pad, R.H.	1
SP-406	1/4-20x3/4" Flat Hd. Mach. Screw.....	4
SP-536	1/4-20x1 1/4" Rd. Hd. Mach. Screw.....	4
SP-1614	1/4" Flat Washer.....	4
SP-2956	Pal Nut.....	8
SP-3025	#8x5/8" Truss Hd. Self-Tapping Screw.....	4

STEEL STAND No. 33-630

MS-21-B	Steel Leg.....	4
MS-61	Wrench.....	1
MS-62	5/16-24 x 1" He. Hd. Cap Screw.....	16
MS-119	Bottom Pan.....	1
SP-1206	5/16-24 Hex. Nut.....	16
SP-1750	5/16 Int. Tooth Shakeproof Washer.....	16

Replacement parts can be ordered through your Delta Dealer. Always give both the part number and the description of each part when ordering. Also the serial number of the machine on which the parts are to be used. Many of the standard parts such as screws, nuts, washers, etc., are usually available from local Mill Supply or Hardware Dealers.

Standard electrical parts such as switches, condensers, cords and plugs, etc., can be obtained from Local Electrical Supply Dealers or Motor Repair Shops. When ordering, refer to manufacturer part number which appears on the part.

Delta motors are made by leading motor manufacturers whose name also appears on the motor nameplate. These manufacturers are represented by motor service stations throughout the United States and some foreign countries.

Engineered Delta Accessories

CONVERT YOUR DELTA '900' RADIAL SAW TO A MULTI-PURPOSE MACHINE

FOR SAWING

SAW BLADES—All 9" dia. with $\frac{5}{8}$ " arbor hole.	
COMBINATION (rip and cross-cut)	No. 33-196
RIP	No. 33-198
CROSS-CUT	No. 33-223
NOVELTY (rip and cross-cut) <i>included with machine</i>	No. 33-224
MITER (hollow ground)	No. 33-227

FOR MOULDING

STARTER MOULDING CUTTERHEAD AND KNIFE SET—includes No. 265 cutterhead, set of No. 35-102 cutter knives and No. 1521 wrench..... No. 34-821

ADVANCED MOULDING CUTTERHEAD AND KNIFE SET—includes No. 265 cutterhead, 4 sets of cutter knives, Nos. 35-102, 35-103, 35-221, 35-222 and No. 1521 wrench..... No. 34-813

MOULDING CUTTERHEAD KNIVES—selection of fifty-three available shapes including tongue and groove, door moulding, glue joint knives, etc..... Nos. 35-100 to 35-246

FOR DADOING

STANDARD DADO HEAD SET—includes 2 outside cutters ($\frac{1}{8}$ " thick), 5 inside cutters (1- $\frac{1}{16}$ " thick and 4- $\frac{1}{8}$ " thick). 6" dia., flat ground..... No. 34-334

DELUXE DADO HEAD SET—includes 2 outside cutters ($\frac{1}{8}$ " thick), 4 inside cutters (1- $\frac{1}{16}$ " thick, 2- $\frac{1}{8}$ " thick and 1- $\frac{1}{4}$ " thick). 6" dia., hollow ground..... No. 34-333

FOR SHAPING

ADAPTER—for mounting 3-lip shaper cutters with $\frac{1}{2}$ " hole to $\frac{5}{8}$ "-18LH threaded shaft..... No. 33-600

3-LIP SHAPER CUTTERS—selection of seventy-three available shapes including sash and cabinet, panel raising cutters, etc..... Nos. D-100 to D-255

FOR DRUM AND DISK SANDING

SANDING DRUM—3" dia. x 3" long with one sanding sleeve. Threaded to fit $\frac{5}{8}$ "-18LH shaft..... No. 33-278

SANDING DRUM—1 $\frac{3}{4}$ " dia. x 2" long with one sanding sleeve. Threaded to fit $\frac{5}{8}$ "-18LH shaft..... No. 33-279

SANDING SLEEVES FOR DRUMS—available in various grits and grades. One-half dozen per package..... Nos. 831 to 838

SANDING DISK—8 $\frac{1}{2}$ " dia. with one sanding disk. Threaded to fit $\frac{5}{8}$ "-18LH shaft..... No. 33-603

ABRASIVE SANDING DISKS—available in either No. 40 grit coarse garnet or No. 80 grit fine garnet. One dozen per package..... No. 46-815 and No. 46-817

DISK ADHESIVE—quick-drying adhesive for mounting abrasive disks to sanding disk. In handy applicator..... No. 49-503

FOR ROUTING, DRILLING, ETC.

ADAPTER—for mounting router bits on $\frac{5}{8}$ "-18LH threaded shaft..... No. 33-277

ROUTER BIT (LEFT HAND)— $\frac{3}{8}$ " dia., short shank..... No. 33-282

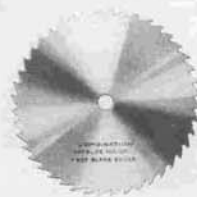
ROUTER BIT (LEFT HAND)— $\frac{1}{2}$ " dia., short shank..... No. 33-283

GEARED KEY CHUCK— $\frac{1}{2}$ " capacity, 3-jaw chuck with key. Fits $\frac{5}{8}$ "-18LH threaded shaft. For use with left hand twist drills, etc..... No. 43-980

FOR GRINDING, BRUSHING, ETC.

GRINDING WHEEL—7" dia. x $\frac{5}{8}$ " thick with $\frac{5}{8}$ " arbor hole. Vit. alum. oxide, 46 grit, grade V..... No. 1267

WIRE WHEELS—6" dia. with $\frac{5}{8}$ " arbor hole. Available in fine, medium and coarse knotted wire..... Nos. 1236 to 1238



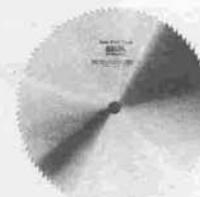
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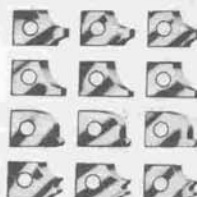
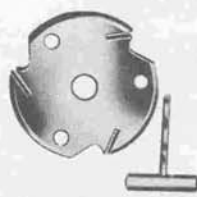
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#33-198



#33-223



#34-813



#34-333



#33-600



#33-603



#1267



Shaper Cutters



#43-980

The right is reserved to make changes in design or equipment at any time without incurring any obligation to install these on machines previously sold, and to discontinue models of machines, motors or accessories at any time without notice.

Distribution in the United States, its possessions except Puerto Rico and the Canal Zone, and in Canada and the Philippine Islands is by authorized Delta Dealers.



Rockwell MANUFACTURING COMPANY

DELTA POWER TOOL DIVISION

PITTSBURGH 8, PENNSYLVANIA