BODY AND HAND POSITION (FIG. V)

Proper positioning of your body and hands when operating the miter saw will make cutting easier and safer. Never place hands near the cutting area. Place hands at least 8-3/4 in. away from the path of the blade. Hold workpiece firmly against the fence to prevent movement toward the blade. Keep hands in position until the trigger has been released and the blade has completely stopped. Before making a cut, with the power switch in the OFF position bring the saw blade down to the workpiece to see the cutting path of the blade.

- Keep children away. Keep all visitors a safe distance from the miter saw. Make sure bystanders are clear of the miter saw and workpiece.
- Do not force the tool. It will do the job better and safer at its designed rate. Feed the saw into the workpiece slowly with a firm downward motion.

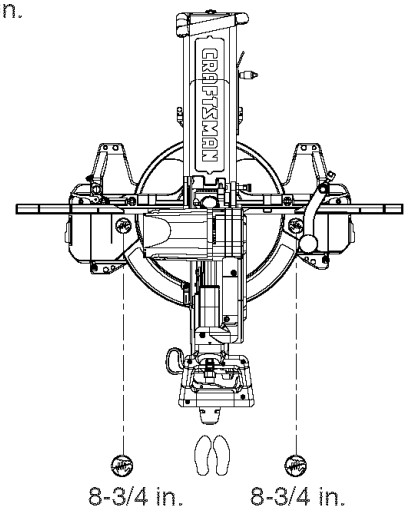
Before freeing jammed material.

- Turn switch OFF.
- Unplug the miter saw.
- Wait for all moving parts to stop.

After finishing a cut.

- Keep holding the power head down.
- Release the switch, and wait for all moving parts to stop before moving your hands.
- If the blade doesn't stop within 6 seconds, unplug the saw and follow the instructions in **THE TROUBLESHOOTING GUIDE** section for adjusting the blade brake before using the saw again.

Fig. V



TURNING THE SAW ON (FIG. W)

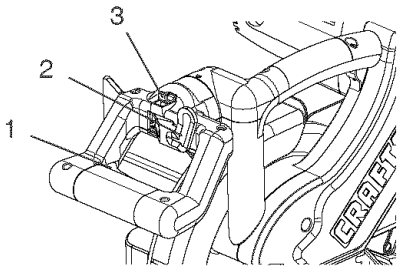
Depress the trigger switch (1) to turn on the miter saw. started.

THREE POSITION ROTATING HANDLE (FIG. W)

The handle of the miter saw has been designed to rotate and lock at three different positive stops; 45° left, 0°, and 45° right for operator convenience. To rotate the handle:

1. Unlock the handle locking lever (2) by pulling it toward the front of the machine.
2. Pull the handle-locking latch (3) to the front of the saw and hold in position.
3. Rotate the handle to the desired positive stop and release the handle locking latch.
   NOTE: After releasing the handle locking latch, rotate the handle left and right to make sure the latch engages into the positive locking position.
4. Lock the handle locking lever (2) by pushing it IN toward the rear of the handle.

Fig.W



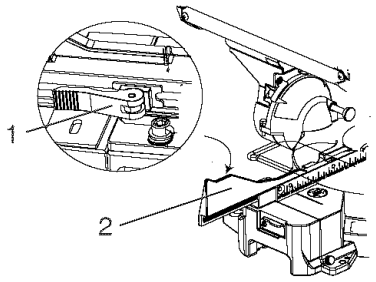
SLIDING FENCE (FIG. X)

⚠ WARNING

Failure to extend the sliding fence will not allow enough space for the blade to pass through which could result in serious injury. At extreme miter or bevel angles the saw blade may also contact the fence.

1. Unlock the fence cam locking lever (1) by pushing it toward the rear of the machine.
2. Extend the fence (2) by sliding it out to match the degree of the bevel cut. Lock the fence cam locking lever by pushing it IN toward the fence. NOTE: When transporting the saw, always secure the sliding fence in the collapsed position (toward the saw blade).

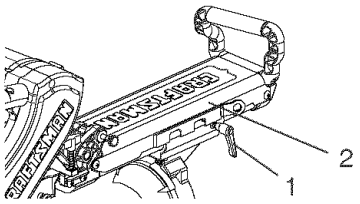
Fig. X



SLIDING CARRIAGE SYSTEM (FIG. Z)

1. For a chop cutting operations on small workpieces, slide the cutting head assembly completely toward the rear of the unit and tighten the carriage lock handle (1).
2. To cut wide boards up to 12 in., the carriage lock handle should be loosened to allow the cutting head to slide freely.

Fig. Z



⚠ WARNING

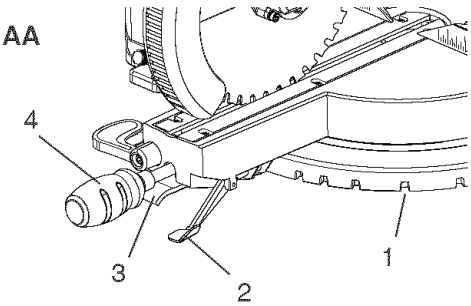
To avoid injury from materials being thrown, always unplug the saw to avoid accidental starting, and remove small pieces of material from the table cavity. The table insert may be removed for this purpose, but always reattach the table insert prior to performing a cutting operation.

MITER CUT (FIG. AA)

The sliding compound miter saw is equipped with ten positive miter stops (1) on the saw base. The locations are at 0, 15, 22.5, 31.6 and 45 degrees left and right, and 60° right. These locations represent the most common angles for cutting operation. To make a miter cut:

1. Unlock the miter table by lifting up on the miter quick-cam table lock (2).
2. While raising the positive stop locking lever up (3), grasp the miter handle (4) and rotate the miter table left or right to the desired angle.
3. Release the positive stop locking lever and set the miter at the desired angle making sure the lever snaps into place. **NOTE:** The lever will only lock into place at one of the ten positive stops.
4. Once the desired miter angle is achieved, press down on the quick cam miter table lock to secure the table into position.
5. If the miter angle desired is NOT one of the ten positive stops noted above, simply lock the table at the desired angle by pressing down on the quick-cam miter table lock (2).

Fig. AA



BEVEL CUT (FIG. BB)

⚠ WARNING

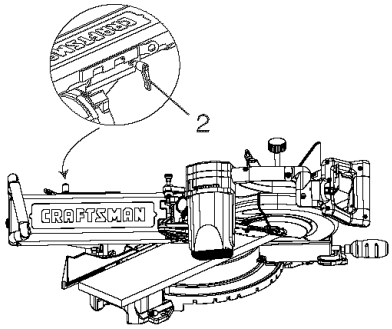
The sliding fences must be fully extended to the left or right when making bevel cuts. Failure to extend the sliding fence may not allow enough space for the blade to pass through which could result in serious injury. At extreme miter or bevel angles the saw blade may also contact the fence.

⚠ WARNING

The sliding fences must be fully extended to the left or right when making any bevel cut.

Tilt the cutting head to the desired angle as shown on the bevel scale. The blade can be positioned at any angle, from a 90° straight cut (0° on the scale) to a 45° left and right bevel. Tighten the lock handle (2) by pushing down to lock the cutting head in position. Bevel positive stops are provided at 0°, 33.9° and 45°.

Fig. BB



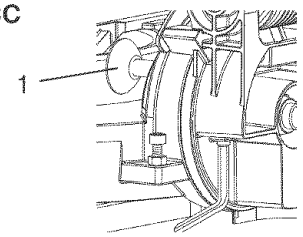
NOTE: The saw comes with a 33.9° bevel detent pin for setting up crown molding cuts.

33.9° BEVEL DETENT PIN FOR CROWN MOULDING (FIG. CC)

NOTE: A bevel detent pin is incorporated into this machine for quick bevel adjustments when the desired bevel angle is 33.9°.

1. Loosen the bevel lock handle and tilt cutting arm to the 33.9° left bevel positive stop by pulling out on the bevel detent pin to move the arm from the 0° on the bevel angle, then by pushing in on the bevel detent pin toward the rear of the machine and allowing the upper arm assembly to stop at the 33.9°.

FIG. CC

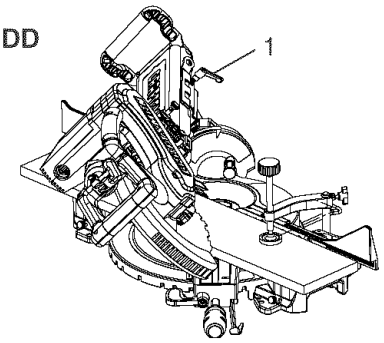


NOTE: View from rear of machine

COMPOUND CUT (FIG. DD)

1. Fully extend the sliding fence by sliding it out.
2. Set the desired bevel angle using the bevel lock handle (1).
3. Set the desired miter angle and lock into position. See "Miter CUT".

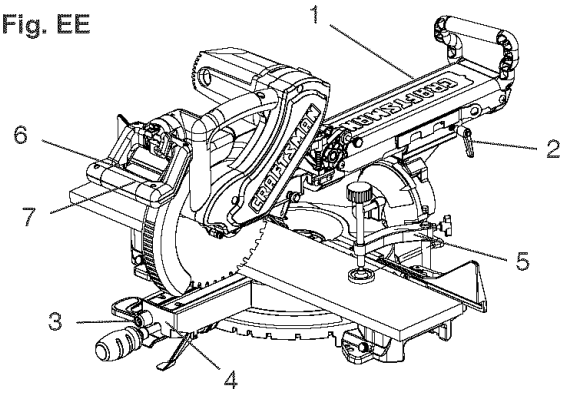
Fig. DD



CHOP CUTTING NARROW BOARDS-90° CROSSCUT (FIG. EE)

1. For a chop cutting operations on small workpieces, slide the cutting head assembly completely toward the rear of the unit and tighten the carriage lock handle (2).
2. Position the cutting head to the 0° bevel position and lock the bevel lock handle.
3. Position the table to the 0° miter angle and lock the quick cam miter table lock.
4. Position the workpiece on the table and against the fence. Use a hold down clamp (5) attached to the base, whenever possible.
5. Pull the trigger (6), turning on the saw. Lower the blade by pushing the handle (7) down into the workpiece with slow and even pressure.
6. When the cut is complete, release the switch and allow the blade to stop before raising the cutting head assembly.

Fig. EE



SLIDE CUTTING WIDE BOARDS UP TO 12 in. WIDE (FIG. EE)

⚠ WARNING

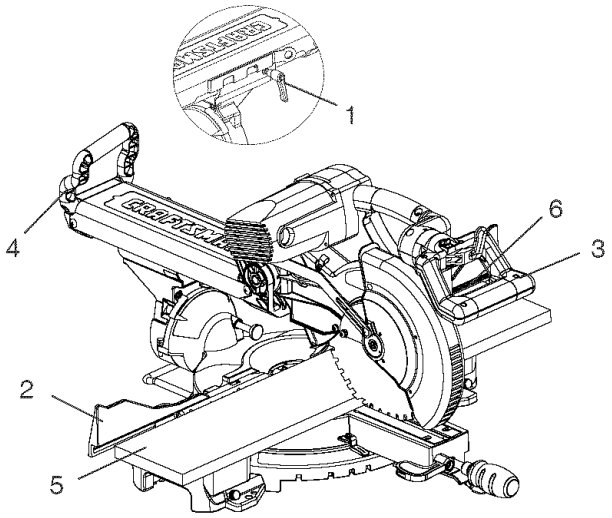
To avoid injury:

- **Never pull the cutting head assembly and spinning blade toward you during the cut. The blade may try to climb up on the top of the workpiece, causing the cutting assembly and spinning blade to kick back, forcefully. The cutting head assembly should be drawn back completely then pushed forward when sawing.**
- **Let the blade reach full speed before cutting. This will help reduce the risk of a thrown workpiece.**
- **Extend the fence by sliding it out.**

TO SLIDE CUT WIDE BOARDS (FIG. FF)

1. Unlock the carriage lock handle (1) and allow the cutting head assembly to move freely.
2. Set both the desired bevel angle and/or the miter angle and lock into position.
3. If bevel cutting, set both the left and right sliding fences (2) to their proper location.
4. Use a hold down clamp to secure the workpiece.
5. Grasp the saw handle (3) and pull the carriage (4) forward until the center of the saw blade is over the front of the workpiece (5).
6. Pull the trigger (6) to turn the saw on.
7. When the saw reaches full speed, push the saw handle down, slowly, cutting through the leading edge of the workpiece.
8. Slowly move the saw handle toward the fence, completing the cut.
9. Release the trigger and allow the blade to stop spinning before allowing the cutting head to raise.

Fig. FF



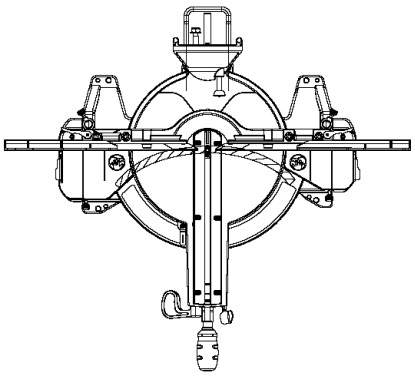
CUTTING BOWED MATERIAL (FIG. GG)

⚠ WARNING

To avoid injury from materials being thrown, always unplug the saw to avoid accidental starting and remove small pieces of material from the table cavity. The table insert may be removed for this purpose, but always reattach table insert prior to performing a cutting operation.

Before cutting a workpiece, check to make sure it is not bowed. If it is bowed, the workpiece must be positioned and cut as illustrated. Do not position the workpiece incorrectly or try to cut the workpiece without the support of the fence. This will cause the blade to bind and could result in personal injury.

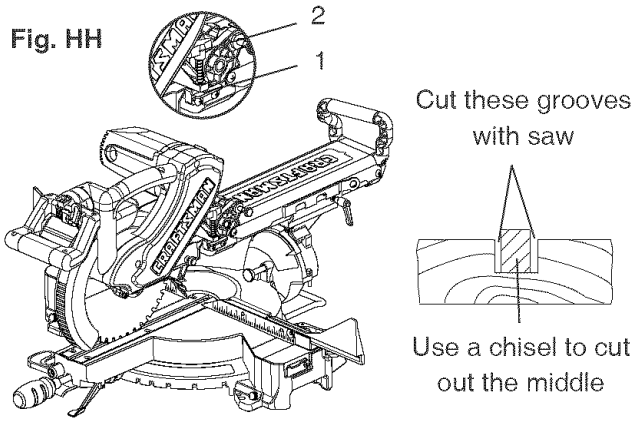
Fig. GG



ROUGH CUTTING A DADO (FIG. HH)

1. Mark lines identifying the width and depth of the desired cut on the workpiece and position on the table so the inside tip of the blade is positioned on the line. Use a hold down clamp to secure the workpiece.
2. Lower the cutting head so the tip of the blade touches the top surface workpiece at the marked line.
3. While holding the upper arm in position, turn the stop knob (2) until it touches the stop plate (1).
4. Cut two parallel grooves as shown below.

Fig. HH

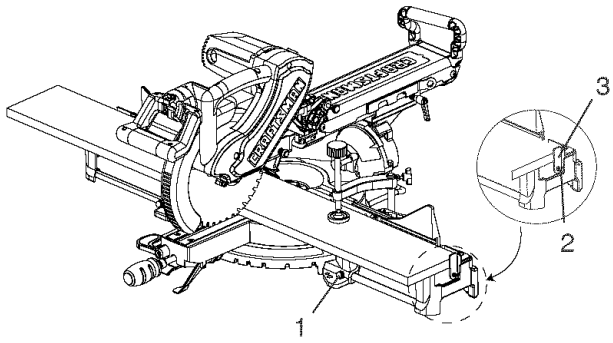


WORKPIECE SUPPORT & REPETITIVE CUTTING USING THE STOP PLATE (FIG. II)

Long pieces need extension table support.

1. Loosen the knob (1) then slide the extension table to desired position and tighten the knob.
2. The stop plate is designed for use during repetitive cutting. Only use one stop plate at a time. Loosen the locking bolt (2), rotate the stop plate (3) to vertical position, and retighten the locking bolt.

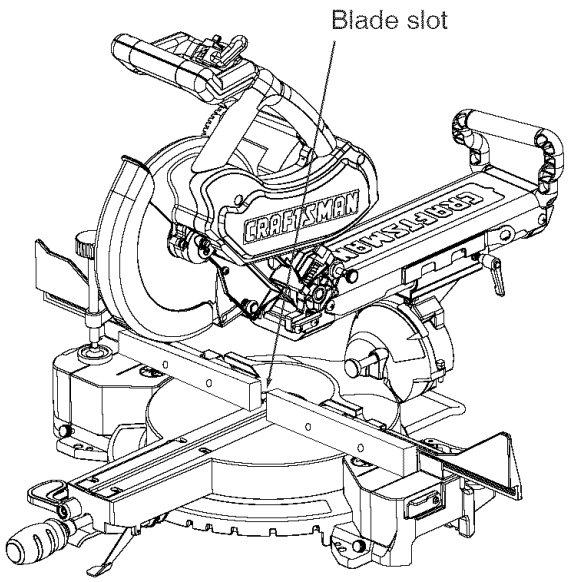
Fig. II



AUXILARY WOOD FENCE (FIG. JJ)

Holes are provided in the saw fence to attach an auxiliary wood fence (this provides additional depth of cut). This fence should be constructed of straight auxiliary wood approximately 3/4 inch thick by 1-1/2 inches high by 22-3/4 inches long. Attach the wood fence securely and make a full depth cut to make a blade slot. Check for interference between the wood fence and the lower blade guard. Adjust if necessary. When making multiple or repetitive cuts that result in cut-off pieces of one inch or less, it is possible for the saw blade to catch the cut-off piece and throw it out of the saw or into the blade guard and housing, possibly causing damage or injury. To minimize this an auxiliary wood fence can be mounted to your saw.

Fig. JJ

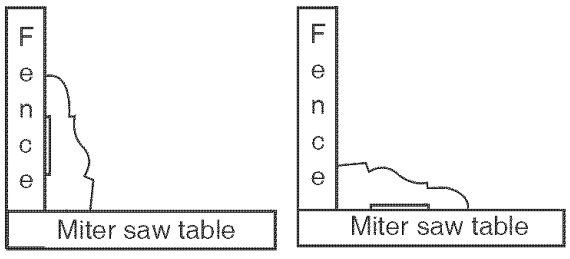


CUTTING BASE MOLDING (FIG. KK)

Base moldings and many other moldings can be cut on a compound miter saw. The setup of the saw depends on molding characteristics and application, as shown. Perform practice cuts on scrap material to achieve best results:

1. Always make sure moldings rest firmly against fence and table. Use hold-down, crown molding vise or C-clamps, whenever possible, and place tape on the area being clamped to avoid marks.
2. Reduce splintering by taping the cut area prior to making the cut. Mark the cut line directly on the tape.
3. Splintering typically happens due to an incorrect blade application and thinness of the material.

Fig. KK



NOTE: Always perform a dry run cut so you can determine if the operation being attempted is possible before power is applied to the saw.

CUTTING CROWN MOLDING (FIG. KK, LL)

⚠ WARNING

Fully extend the sliding fences when making any bevel angle cuts.
This fence must also be removed whenever a 45° bevel angle is desired with a miter angle greater than 22.5°.

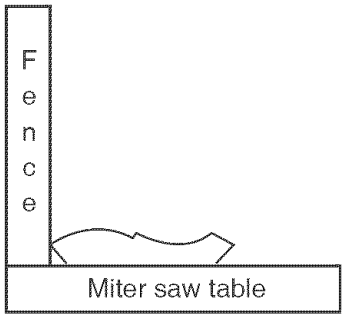
Your compound miter saw is suited for the difficult task of cutting crown molding. To fit properly, crown molding must be compound-miterd with extreme accuracy. The two surfaces on a piece of crown molding that fit flat against the ceiling and wall are at angles that, when added together, equal exactly 90°.
Most crown molding has a top rear angle (the section that fits flat against the ceiling) of 52°and a bottom rear angle (the section that fits flat against the wall) of 38°.

In order to accurately cut crown molding for a 90° inside or outside corner, lay the molding with its broad back surface flat on the saw table.

When setting the bevel and miter angles for compound miters, remember that the settings are interdependent; changing one changes the other, as well. Also keep in mind that the angles from crown molding are very easy for these angles to shift slightly, all settings should be tested on scrap molding.

Use safety clamp whenever possible and place tape on the area being clamped to avoid marks. There is crown molding chart for your reference on page 25.

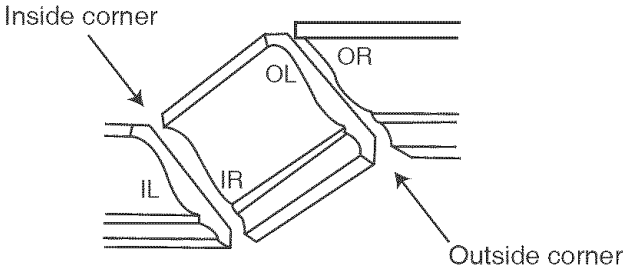
Fig. LL



NOTE: The chart below references a compound cut for crown molding ONLY WHEN THE ANGLE BETWEEN THE WALLS EQUALS EXACTLY 90°.

Fig. MM

Settings for standard crown molding lying flat on compound miter saw table



Compound cut crown moldings

Bevel/Miter Settings

NOTE: The chart below references a compound cut for crown molding ONLY WHEN THE ANGLE BETWEEN THE WALLS EQUALS EXACTLY 90°.

KEY	BEVEL SETTING	SETTING	TYPE OF CUT
			Inside corner-Left side
IL	33.9°	31.6° Right	1. Position top of molding against fence. 2. Miter table set at RIGHT 31.6°. 3. LEFT side is finished piece.
			Inside corner-Right side
IR	33.9°	31.6° Left	1. Position bottom of molding against fence. 2. Miter table set at LEFT 31.6°. 3. LEFT side is finished piece.
			Outside corner-Left side
OL	33.9°	31.6° Left	1. Position bottom of molding against fence. 2. Miter table set at LEFT 31.6°. 3. RIGHT side is finished piece.
			Outside corner-Right side
OR	33.9°	31.6° Left	1. Position top of molding against fence. 2. Mitertable set at RIGHT 31.6°. 3. RIGHT side is finished piece.

CHANGING THE LASER BATTERIES

CHANGING THE BATTERIES (FIG. NN)

- Unplug your saw.

⚠ WARNING

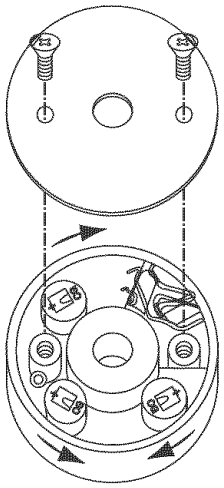
Failure to unplug your saw could result in accidental starting causing possible serious personal injury.

1. Remove the laser guide from the saw.
2. Loosen and remove the two screws, then remove the laser guide cover.
3. Remove the three batteries with a toothpick and replace new batteries.
4. Replace the laser guide cover and two screws and tighten.

Note: Replace the batteries with batteries that have a rating of 1.5 volts (Number LR44).

When replacing the batteries, the battery cover should be thoroughly cleaned. Use a soft paintbrush or similar device, to remove all sawdust and debris.

Fig. NN

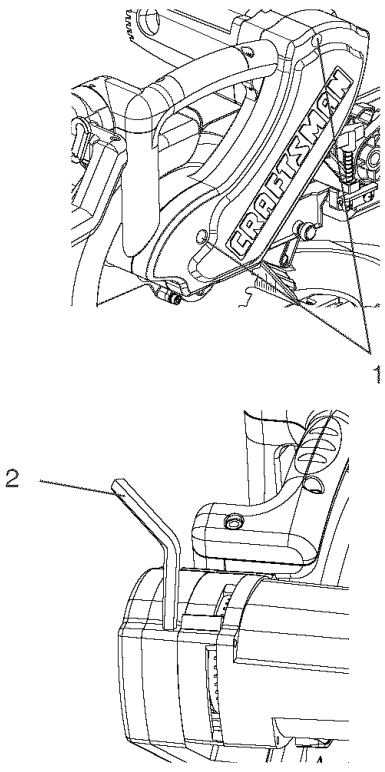


CHANGING THE BELT (FIG. OO)

- Unplug your saw.

1. Loosen the bolts (1) and remove the belt cover.
2. Turn the screw (2) anti-clockwise with an Allen wrench to move the motor to forward.
3. Remove and replace the belt.
4. Turn the screw (2) clockwise with an Allen wrench to move the motor to rearward. Do not over tighten.
5. Replace the belt cover and tighten the bolts.

Fig. OO



CROWN MOLDING CHART

Compound Miter Saw
Miter and Bevel Angle Settings
Wall to Crown Molding Angle

	52/38° Crown Molding		45/45° Crown Molding	
Angle Between Walls	Miter Setting	Bevel Setting	Miter Setting	Bevel Setting
67	42.93	41.08	46.89	36.13
68	42.39	40.79	46.35	35.89
69	41.85	40.50	45.81	35.64
70	41.32	40.20	45.28	35.40
71	40.79	39.90	44.75	35.15
72	40.28	39.61	44.22	34.89
73	39.76	39.30	43.70	34.64
74	39.25	39.00	43.18	35.38
75	38.74	38.69	42.66	34.12
76	38.24	38.39	42.15	33.86
77	37.74	38.08	41.64	33.60
78	37.24	37.76	41.13	33.33
79	36.75	37.45	40.62	33.07
80	36.27	37.13	40.12	32.80
81	35.79	36.81	39.62	32.53
82	35.31	36.49	39.13	32.25
83	34.83	36.17	38.63	31.98
84	34.36	35.85	38.14	31.70
85	33.90	35.52	37.66	31.42
86	33.43	35.19	37.17	31.34
87	32.97	34.86	36.69	30.86
88	32.52	34.53	36.21	30.57
89	32.07	34.20	35.74	30.29
90	31.62	33.86	35.26	30.00
91	31.17	33.53	34.79	29.71
92	30.73	33.19	34.33	29.42
93	30.30	32.86	33.86	29.13
94	29.86	32.51	33.40	28.83
95	29.43	32.17	32.94	28.54
96	29.00	31.82	32.48	28.24
97	28.58	31.48	32.02	27.94
98	28.16	31.13	31.58	27.64
99	27.74	30.78	31.13	27.34
100	27.32	30.43	30.68	27.03
101	26.91	30.08	30.24	26.73
102	26.50	29.73	29.80	26.42
103	26.09	29.38	29.36	26.12
104	25.69	29.02	28.92	25.81
105	25.29	28.67	28.48	25.50
106	24.89	28.31	28.05	25.19
107	24.49	27.96	27.62	24.87
108	24.10	27.59	27.19	24.56
109	23.71	27.23	26.77	24.24
110	23.32	26.87	26.34	23.93
111	22.93	26.51	25.92	23.61
112	22.55	26.15	25.50	23.29
113	22.17	25.78	25.08	22.97
114	21.79	25.42	24.66	22.66
115	21.42	25.05	24.25	22.33
116	21.04	24.68	23.84	22.01
117	20.67	24.31	23.43	21.68
118	20.30	23.94	23.02	21.36
119	19.93	23.57	22.61	21.03
120	19.57	23.20	22.21	20.70
121	19.20	22.83	21.80	20.38
122	18.84	22.46	21.40	20.05
123	18.48	22.09	21.00	19.72

	52/38° Crown Molding		45/45° Crown Molding	
Angle Between Walls	Miter Setting	Bevel Setting	Miter Setting	Bevel Setting
124	18.13	21.71	20.61	19.39
125	17.77	21.34	20.21	19.06
126	17.42	20.96	19.81	18.72
127	17.06	20.59	19.42	18.39
128	16.71	20.21	19.03	18.06
129	16.37	19.83	18.64	17.72
130	16.02	19.45	18.25	17.39
131	15.67	19.07	17.86	17.05
132	15.33	18.69	17.48	16.71
133	14.99	18.31	17.09	16.38
134	14.66	17.93	16.71	16.04
135	14.30	17.55	16.32	15.70
136	13.97	17.17	15.94	15.36
137	13.63	16.79	15.56	15.02
138	13.30	16.40	15.19	14.62
139	12.96	16.02	14.81	14.34
140	12.63	15.64	14.43	14.00
141	12.30	15.25	14.06	13.65
142	11.97	14.87	13.68	13.31
143	11.64	14.48	13.31	12.97
144	11.31	14.09	12.94	12.62
145	10.99	13.71	12.57	12.29
146	10.66	13.32	12.20	11.93
147	10.34	12.93	11.83	11.59
148	10.01	12.54	11.46	11.24
149	9.69	12.16	11.09	10.89
150	9.37	11.77	10.73	10.55
151	9.05	11.38	10.36	10.20
152	8.73	10.99	10.00	9.85
153	8.41	10.60	9.63	9.50
154	8.09	10.21	9.27	9.15
155	7.77	9.82	8.91	8.80
156	7.46	9.43	8.55	8.45
157	7.14	9.04	8.19	8.10
158	6.82	8.65	7.83	7.75
159	6.51	8.26	7.47	7.40
160	6.20	7.86	7.11	7.05
161	5.88	7.47	6.75	6.70
162	5.57	7.08	6.39	6.35
163	5.26	6.69	6.03	6.00
164	4.95	6.30	5.68	5.65
165	4.63	5.90	5.32	5.30
166	4.32	5.51	4.96	4.94
167	4.01	5.12	4.61	4.59
168	3.70	4.72	4.25	4.24
169	3.39	4.33	3.90	3.89
170	3.08	3.94	3.54	3.53
171	2.77	3.54	3.19	3.10
172	2.47	3.15	2.83	2.83
173	2.15	2.75	2.48	2.47
174	1.85	2.36	2.12	2.12
175	1.54	1.97	1.77	1.77
176	1.23	1.58	1.41	1.41
177	0.92	1.18	1.06	1.06
178	0.62	0.79	0.71	0.71
179	0.31	0.39	0.35	0.35

MAINTENANCE

⚠ DANGER

Never put lubricants on the blade while it is spinning.

⚠ WARNING

To avoid fire or toxic reaction, never use gasoline, naphtha acetone, lacquer thinner or similar highly volatile solvents to clean the miter saw.

⚠ WARNING

To avoid injury from unexpected starting or electrical shock, unplug the power cord before working on the saw.

⚠ WARNING

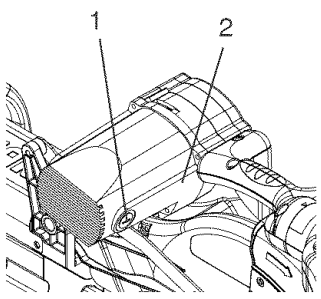
For your safety, this saw is double-insulated. To avoid electrical shock, fire or injury, use only parts identical to those identified in the parts list. Reassemble exactly as the original assembly to avoid electrical shock.

REPLACING CARBON BRUSHES (FIG. PP)

The carbon brushes furnished will last approximately 50 hours of running time, or 10,000 ON/OFF cycles. Replace both carbon brushes when either has less than 1/4 in. length of carbon remaining, or if the spring or wire is damaged or burned. To inspect or replace brushes, first unplug the saw. Then remove the black plastic cap (1) on the side of the motor (2). Remove the cap cautiously, because it is spring-loaded. Then pull out the brush and replace. Replace the other side in the same manner. To reassemble, reverse the procedure. The ears on the metal end of the assembly go in the same hole the carbon part fits into. Tighten the cap snugly, but do not overtighten.

NOTE: To reinstall the same brushes, first make sure the brushes go back in the way they came out. This will avoid a break-in period.

Fig. PP



LOWER BLADE GUARD

Do not use the saw without the lower blade guard. The lower blade guard is attached to the saw for your protection. Should the lower guard become damaged, do not use the saw until the damaged guard has been replaced. Develop a regular check to make sure the lower guard is working properly. Clean the lower guard of any dust or buildup with a damp cloth.

CAUTION: Do not use solvents on the guard. They could make the plastic "cloudy" and brittle.

⚠ WARNING

When cleaning the lower guard, unplug the saw from the power source receptacle to avoid unexpected startup.

SAWDUST

Periodically, sawdust will accumulate under the work table and base. This could cause difficulty in the movement of the worktable when setting up a miter cut. Frequently blow out or vacuum up the sawdust.

⚠ WARNING

If blowing sawdust, wear proper eye protection to keep debris from entering eyes.

LUBRICATION (FIG. QQ)

All the motor bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions; therefore, no further lubrication is required.

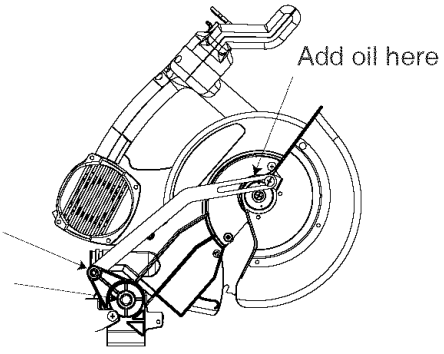
Lubricate the following as necessary:

Chop pivot: Apply light machine oil to points indicated in illustration.

Central pivot of plastic guard: Use light household oil (sewing machine oil) on metal-to–metal or metal-to-plastic guard contact areas as required for smooth, quiet operation. Avoid excessive oil, to which sawdust will cling.

Link: (which actuates the lower guard movement) may be oiled at the rear pivot, greased at ball bearing contact, and oiled where the link actuates the acetyl roller of the lower guard, if the down chop motion is hard to start.

Fig. QQ



TROUBLESHOOTING GUIDE

⚠ WARNING

To avoid injury from accidental starting, always turn switch OFF and unplug the tool before moving, replacing the blade or making adjustments.

Consult your Sears Service Center if for any reason the motor will not run.

TROUBLESHOOTING GUIDE - MOTOR

PROBLEM	PROBLEM CAUSE	SUGGESTED CORRECTIVE ACTION
Brake does not stop blade within 6 seconds.	1. Motor brushes not sealed or lightly sticking. 2. Motor brake overheated from use of defective or wrong size blade or rapid ON/OFF cycling. 3. Arbor bolt loose. 4. Other.	1. Inspect / clean / replace brushes. See MAINTENANCE section. 2. Use a recommended blade. Let cool down. 3. Retighten. 4. Sears Service Center.
Motor does not start	1. Fuse Blown 2. Brush worn. 3. Other.	1. Check and use15-Amp time delay fuse, or circuit breaker. 2. Replace brushes. See MAINTENANCE section. 3. Sears Service Center.
Brush spark when switch released.	1. Brush worn. 2. Other.	1. Replace Brushes. 2. See Sears Service Center.

TROUBLESHOOTING GUIDE - SAW OPERATION

PROBLEM	PROBLEM CAUSE	SUGGESTED CORRECTIVE ACTION
Blade hits table.	1. Misalignment.	1. See ADJUSTMENT section.
Angle of cut not accurate. Can't adjust miter.	1. Miter table unlocked. 2. Sawdust under table.	1. See OPERATION Section. 2. Vacuum or blow out dust, WEAR EYE PROTECTION.
Cutting arm wobbles.	1. Loose pivot points.	1. See ADJUSTMENT Section.
Cutting arm won't fully raise, or blade guard won't fully close.	1. Part failure. 2. Pivot spring not replaced properly after service. 3. Sawdust build-up.	1. Sears Service Center. 2. Sears Service Center. 3. Clean and lubricate moving parts.
Blade binds, jams, burns wood.	1. Improper operation. 2. Dull blade. 3. Improper blade size. 4. Warped blade.	1. See BASIC SAW OPERATION section. 2. Replace or sharpen blade. 3. Replace with 10in. diameter blade. 4. Replace blade.
Saw vibrates or shakes.	1. Saw blade not round. 2. Saw blade damaged. 3. Saw blade loose. 4. Other.	1. Replace blade. 2. Replace blade. 3. Tighten arbor bolt. 4. Sears Service Center.

PARTS LIST

10 in. SLIDING COMPOUND MITER SAW MODEL NO. 137.212070

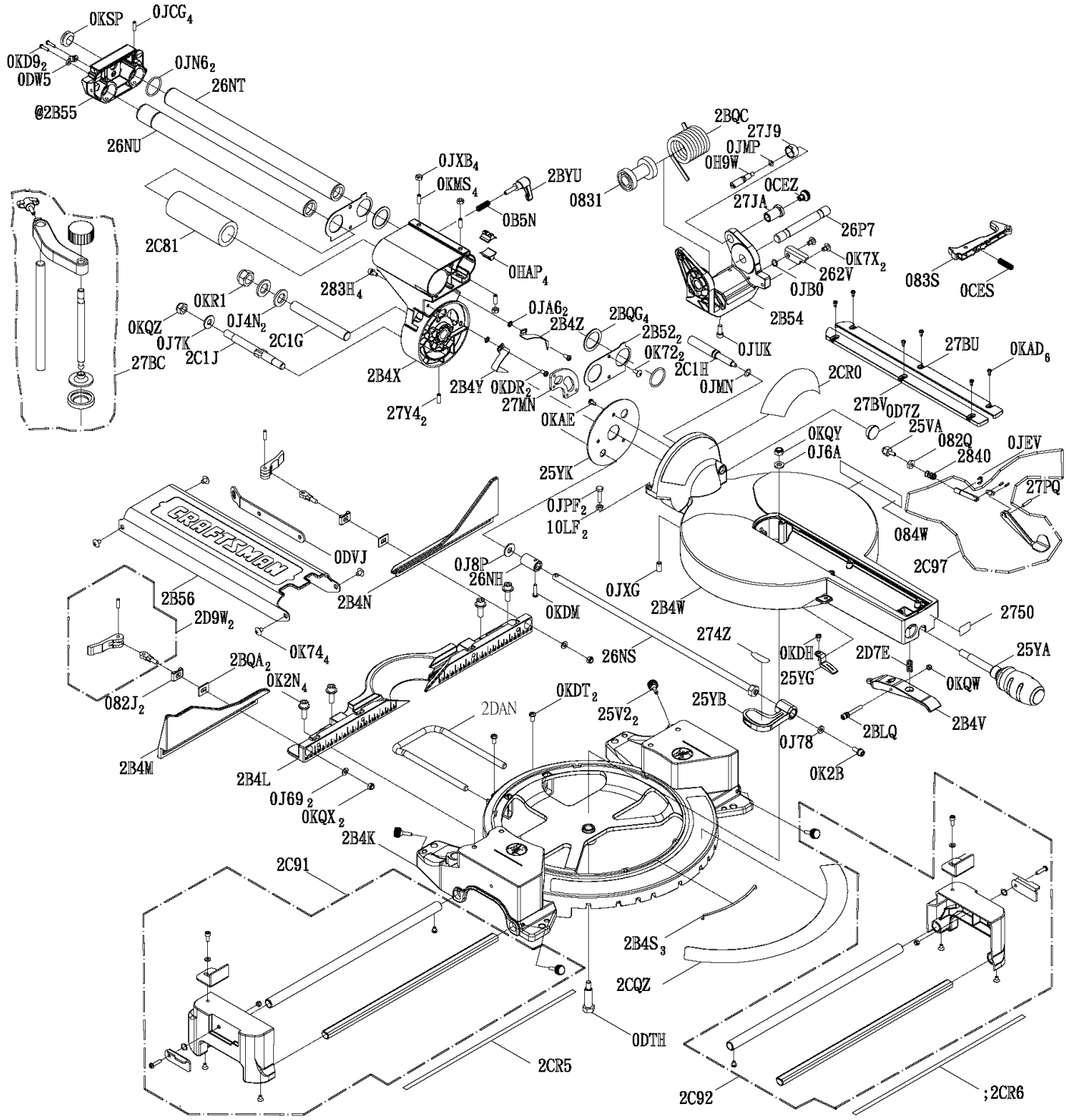
⚠ WARNING

When servicing use only CRAFTSMAN replacement parts. Use of any other parts many create a HAZARD or cause product damage. Any attempt to repair or replace electrical parts on this Miter Saw may create a HAZARD unless repair is done by a qualified service technician. Repair service is available at your nearest Sears Service Center.

PARTS LIST FOR SCHEMATIC A

I.D NO	Description	Size	Qty	I.D. NO	Description	Size	Qty
082J	CUSHION		2	25YB	HANDLE	#AW	1
082Q	LOCK NUT		1	25YG	NEEDLE POINTER		1
0831	SHAFT SLEEVE		1	25YK	SET PLATE		1
083S	TRIGGER		1	262V	ANCHOR PLATE		1
084W	WARNING LABEL		1	26NH	SPECIAL NUT		1
0B5N	COMPRESSION SPRING	L=25 D=φ8 DW=0.8 N=10	1	26NS	LOCKING ROD		1
0CES	COMPRESSION SPRING		1	26NT	MITER BAR		1
0CEZ	PLUNGER HANDLE		1	26NU	MITER BAR		1
0D7Z	KNOB-HANDLE		1	26P7	SHAFT-PIVOT		1
0DTH	CENTER SHAFT		1	2750	CAUTION LABEL		1
0DVJ	HEX WRENCH		1	274Z	CAUTION LABEL		1
0DW5	POWER CORD CLAMP		1	27BC	SAFETY CLAMP ASS'Y		1
0H9W	CLEVIS PIN		1	27BU	TABLE INSERT	#23	1
0HAP	SLIDE-BAR GUIDE CLAMP		4	27BV	TABLE INSERT	#23	1
0J4N	FLAT WASHER	φ16*30-3	2	27J9	SET NUT		1
0J69	FLAT WASHER	φ6*13-1	2	27JA	SCREW STOP		1
0J6A	FLAT WASHER	φ8*16-2.5	1	27MN	ANCHOR PLATE		1
0J78	FLAT WASHER	1/4*1/2-3/32	1	27PQ	ROLL PIN	φ4-22	1
0J7K	FLAT WASHER	3/8*29/32-5/64	1	27Y4	HEX. SOC. SET SCREW	M6*1.0-16	2
0J8P	FLAT WASHER	3/8*29/32-5/64	1	2840	COMPRESSION SPRING		1
0JA6	WASHER	φ5	2	283H	HEX.SOCKET HD.CAP SCREWS		4
0JB0	WAVE WASHER		1	2B4K	BASE	#AW	1
0JCG	SPRING PIN		4	2B4L	FENCE	#AW	1
0JEV	E-RING		1	2B4M	ASSIST-FENCE	#AW	1
0JMN	O-RING		1	2B4N	ASSIST-FENCE	#AW	1
0JMP	O-RING		1	2B4S	SLIDE PLATE		3
0JN6	O-RING	30*2.5	2	2B4V	PLUNGER HANDLE		1
0JPF	HEX. HD. BOLT	M6*1.0-25	2	2B4W	TABLE	#AW	1
0JUK	HEX. SOC. HD. CAP BOLT	M6*1.0-16	1	2B4X	ARM-MITER	#AW	1
0JXB	HEX. SOC. SET SCREW	M6*1.0-16	4	2B4Y	NEEDLE POINTER	#23	1
0JXG	HEX. SOC. SET SCREW	M8*1.25-16	1	2B4Z	NEEDLE POINTER	#23	1
0K2B	HEX SOC. HD. CAP SCREW	M6*1.0-16	1	2B52	PLATE COVER		2
0K2N	HEX SOC. HD. CAP SCREW	M8*1.25-25	4	2B54	SLIDE-BAR SEAT (FRONT)	#AW	1
0K72	CR.-RE. TRUSS HD. SCREW	M5X0.8-12	2	2B55	SLIDE-BAR SEAT (REAR)	#AW	1
0K74	CR.-RE. TRUSS HD. SCREW	M6*1.0-8	4	2B56	SLIDE-BAR BLADE GUARD		1
0K7X	CR. RE. TRUSS HD. ROUND NECK SCREW	M6X1.0-10	2	2BLQ	HEX.SOCKET HD.CAP SCREWS	M5*0.8-40	1
0KAD	CR.RE. PAN HD. TAPPING SCREW	M4*0.7-8	6	2BQA	PLATE		2
0KAE	CR.RE. PAN HD. TAPPING SCREW	M5*0.8-10	1	2BQC	TORSION SPRING		1
0KD9	CR. RE. PAN HD. SCREW	M4*0.7-16	2	2BQG	BLANKET WASHER		4
0KDH	CR. RE. PAN HD. SCREW	M5*0.8-8	1	2BYU	LOCKING HANDLE ASS'Y		1
0KDM	CR. RE. PAN HD. SCREW	M5*0.8-20	1	2C1G	SHAFT-PIVOT		1
0KDR	CR. RE. PAN HD. SCREW	M5*0.8-10	2	2C1H	LOCATING BAR		1
0KDT	CR. RE. PAN HD. SCREW	M6*1.0-8	2	2C1J	SPECIAL BOLT		1
0KMS	HEX. NUT	M6*1.0 T=5	4	2C81	LINEAR MOTION BEARING		1
0KQW	LOCK NUT	M5*0.8 T=5	1	2C91	EXTENTION WING ASS'Y		1
0KQX	NUT	M6*1.0 T=6	2	2C92	EXTENTION WING ASS'Y		1
0KQY	NUT CHUCK	M8*1.25 T=8	1	2C97	LOCKING HANDLE ASS'Y		1
0KQZ	NUT	M10*1.5 T=10	1	2CQZ	BRACKET-TILT		1
0KR1	NUT CHUCK	M16*2.0 T=16	1	2CR0	BRACKET-TILT		1
0KSP	STRAIN RELIEF	φ15.875	1	2CR5	BRACKET-TILT		1
10LF	HEX. NUT	M6*1.0 T=4	2	2CR6	BRACKET-TILT		1
25V2	KNOB		2	2D7E	COMPRESSION SPRING		1
25VA	SCREW STOP		1	2D9W	LOCKING HANDLE ASS'Y		2
25YA	LOCKING HANDLE ASS'Y	#06 ; #23	1	2DAN	REAR EXTENTION STAY		1

SCHEMATIC A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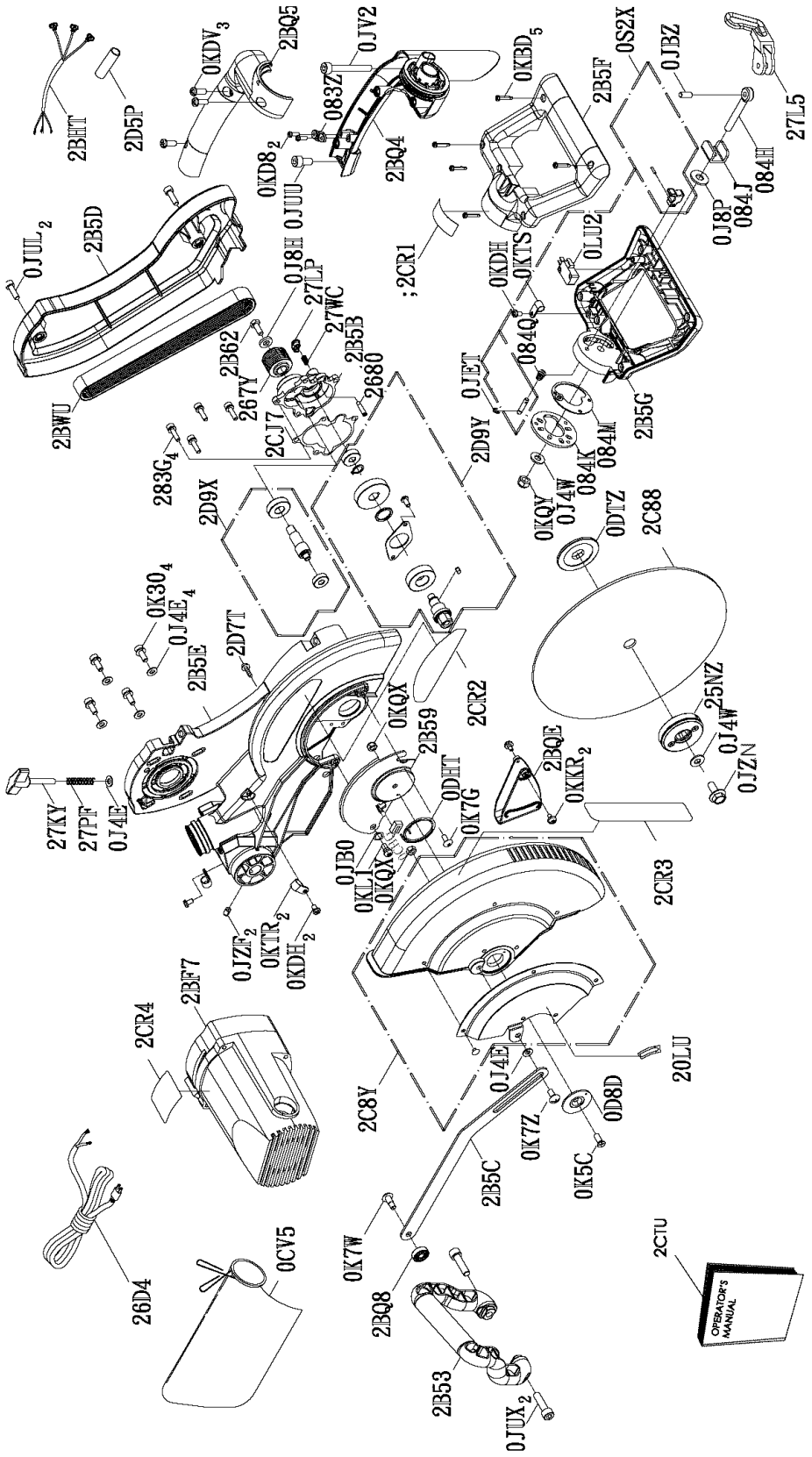
2B4K
2C91
2B4S3
2CQZ
0DTH
2CR5
2C92
;2CR6

PARTS LIST FOR SCHEMATIC B

I.D NO	Description	Size	Qty	I.D. NO	Description	Size	Qty
083Z	CORD CLAMP		1	0S2X	LOCK HANDLE ASS'Y		1
084H	BOLT		1	20LU	CAUTION LABEL		1
084J	CUSHION		1	25NZ	ARBOR COLLAR LASER ASS'Y		1
084K	SET PLATE		1	267Y	PULLEY		1
084M	STOP CLAMP		1	2680	LOCATOR PIN		1
084Q	COMPRESSION SPRING		1	26D4	POWER CABLE		1
0CV5	DUST BAG ASS'Y		1	27KY	CLAMP BOLT		1
0D8D	COLLAR		1	27L5	CLAMP HANDLE	#23	1
0CHG	BUMPER		1	27LP	LOCK KNOB	#23	1
0DHT	SPRING GUARD		1	27PF	COMPRESSION SPRING	L=40 D=φ8.1 DW=0.8 N=10	1
0DTZ	ARBOR COLLAR		1	27WC	COMPRESSION SPRING	L=11 D=φ4.6 DW=0.7 N=5	1
0J4E	FLAT WASHER	φ6*13-1	6	283G	HEX.SOCKET HD.CAP SCREWS	M5*0.8-20	4
0J4W	FLAT WASHER	φ8.2*18-1.5	2	2B53	SEGMENT HADELE		1
0J8H	FLAT WASHER	1/4*5/8-3/32	1	2B59	CUTTER SHAFT GUARD	#AW	1
0J8P	FLAT WASHER	3/8*29/32-5/64	1	2B5B	GEAR BOX COVER	#AW	1
0JB0	WAVE WASHER		1	2B5C	LEVER		1
0JBZ	PARALLEL PIN	φ6.0-16	1	2B5D	PULLEY COVER		1
0JET	E-RING		1	2B5E	ARM	#AW	1
0JUL	HEX. SOC. HD. CAP BOLT	M6*1.0-20	2	2B5F	MOTOR HANDLE		1
0JUU	HEX. SOC. HD. CAP BOLT	M8*1.25-16	1	2B5G	MOTOR HANDLE	#06 ; #23	1
0JUX	HEX. SOC. HD. CAP BOLT	M8*1.25-30	2	2B62	HEX. HD. BOLT	M6*1.0-16	1
0JV2	HEX. SOC. HD. CAP BOLT	M8*1.25-60	1	2BF7	MOTOR ASS'Y		1
0JZF	HEX. SOC. SET SCREW	M6*1.0-10	2	2BHT	LEAD WIRE ASS'Y		1
0JZN	HEX WASHER HD BOLT	M8*1.0-20	1	2BQ4	SEGMENT HADELE	#AW	1
0K30	HEXAGON SOCKET TRUSS HEAD & WASHER ASSEMBLIED	M6*1.0-16	4	2BQ5	SEGMENT HADELE		1
0K5C	CR. RE. COUNT HD. SCREW	M6*1.0-16	1	2BQ8	COLLAR		1
0K7G	CR. RE. ROUND WASHER HD. SCREW	M5*0.8-12	1	2BQE	PLATE		1
0K7W	CR. RE. TRUSS HD. ROUND NECK SCREW	M6*1.0-18	1	2BWU	V-RIBBED BEIT		1
0K7Z	CR. RE. TRUSS HD. ROUND NECK SCREW	M6*1.0-14	1	2C88	BLADE		1
0KBD	CR.RE. PAN HD. TAPPING SCREW	M4*18-25	5	2C8Y	PC-GUARD ASS'Y		1
0KD8	CR. RE. PAN HD. SCREW	M4*0.7-12	2	2CJ7	OIL PAPER		1
0KDH	CR. RE. PAN HD. SCREW	M5*0.8-8	3	2CTU	INSTRUCTIONS MANUAL		1
0KDV	CR. RE. PAN HD. SCREW	M6*1.0-16	3	2CR1	TILTING SCALE		1
0KKR	CR.RE. PAN HD. ROUND NECK SCREW	M4*0.7-7.5	2	2CR2	TRADE-MARK LABEL		1
0KL1	CR.RE. PAN HD. ROUND NECK SCREW	M6*1.0-12	1	2CR3	WARNING LABEL		1
0KQX	NUT	M6*1.0 T=6	2	2CR4	LABEL		1
0KQY	LOCK NUT	M8*1.25 T=8	1	2D5P	INSULATING SLEEVE	φ20-120	1
0KTR	CABLE CLAMP		2	2D7T	CR.-RE. TRUSS HD. SCREW	M3*0.5-12	1
0KTS	CABLE CLAMP		1	2D9X	GEAR SHAFT SAA'Y		1
0LU2	LIMIT SWITCH		1	2D9Y	CUTTER SHAFT ASS'Y		1

SCHEMATIC B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0K7W
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2B53
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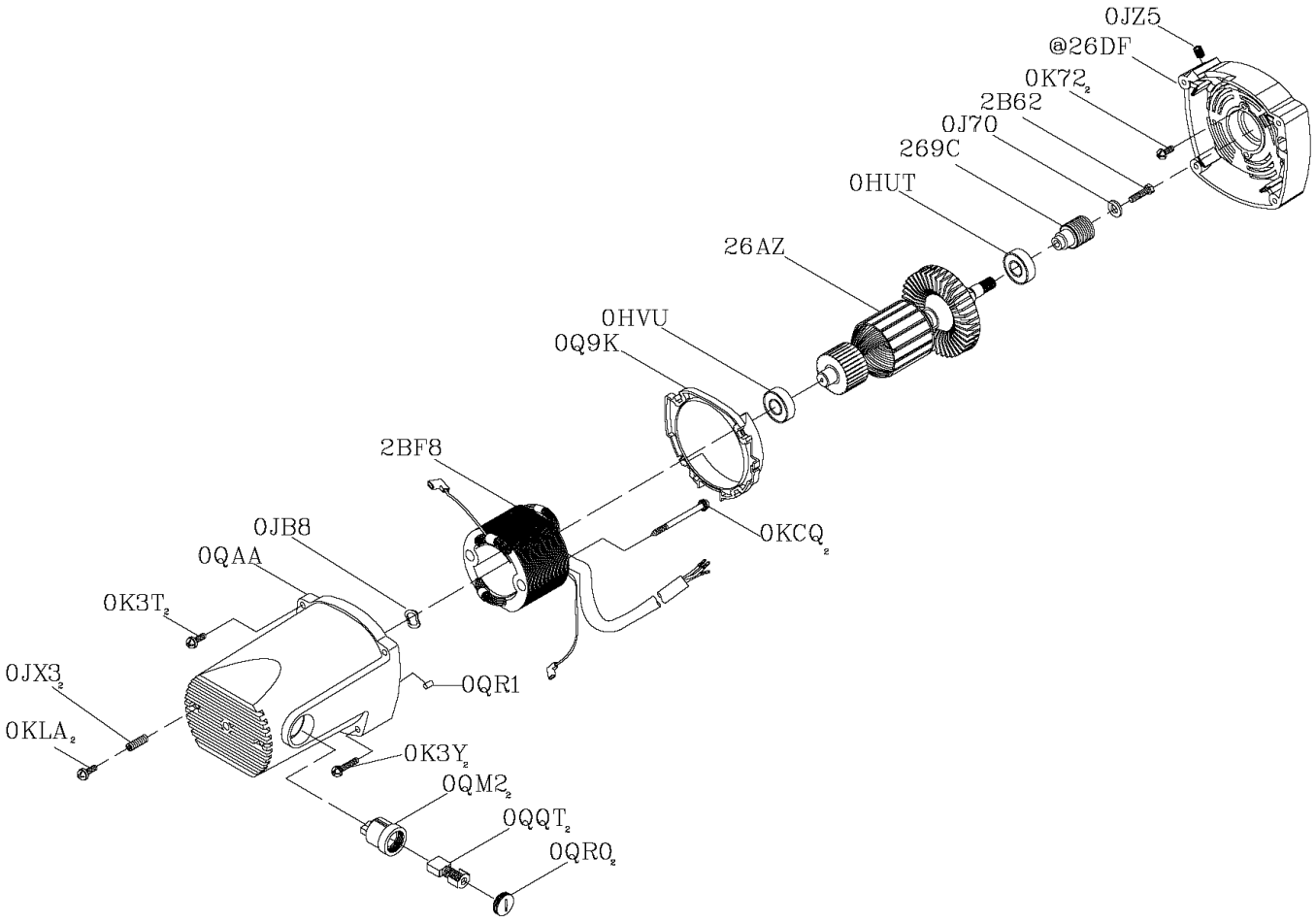
0CV5
26D4
2CTU
OPERATOR'S MANUAL

PARTS LIST FOR MOTOR

I.D. NO	Description	Size	Qty
0HUT	BALL BEARING	6202LLB	1
0HVU	BALL BEARING	6200ZZ	1
0J70	FLAT WASHER	1/4*3/4-7/64	1
0JB8	WAVE WASHER		1
0JX3	HEX. SOC. SET SCREW	M5*0.8-8	2
0JZ5	HEX. SOC. SET SCREW	M6*1.0-12	1
0K3T	CR.RE. PAN HD. SCREW & WASHER	M5*0.8-25	2
0K3Y	CR.-RE. PAN HD. SCREW & WASHER	M5*0.8-50	2
0K72	CR.-RE. TRUSS HD. SCREW	M5*0.8-12	2
0KCQ	CR.-RE.PAN HD.TAPPING SCREW & WASHER	M5*0.2-65	2
0KLA	PLASTIC SCREW	M5*0.8-6	2
0Q9K	FLOW GUIDE		1
0QAA	MOTOR HOUSING ASS'Y		1
0QM2	BRUSH HOLDER ASS'Y	Φ27*26.5	2
0QQT	BRUSH ASS'Y		2
0QR0	BRUSH COVER		2
0QR1	RUBBER PIN		1
269C	MOTOR PULLEY		1
26AZ	ARMATURE ASS'Y		1
26DF	FRONT HOUSING		1
2B62	HEX. HD. BOLT	M6*1.0-16	1
2BF8	FIELD ASS'Y		1

SCHEMATIC FOR MOTOR



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