



14" (335mm) SLUGGER METAL CUTTING SAW

Instruction Manual 3 41 98 142 20 0

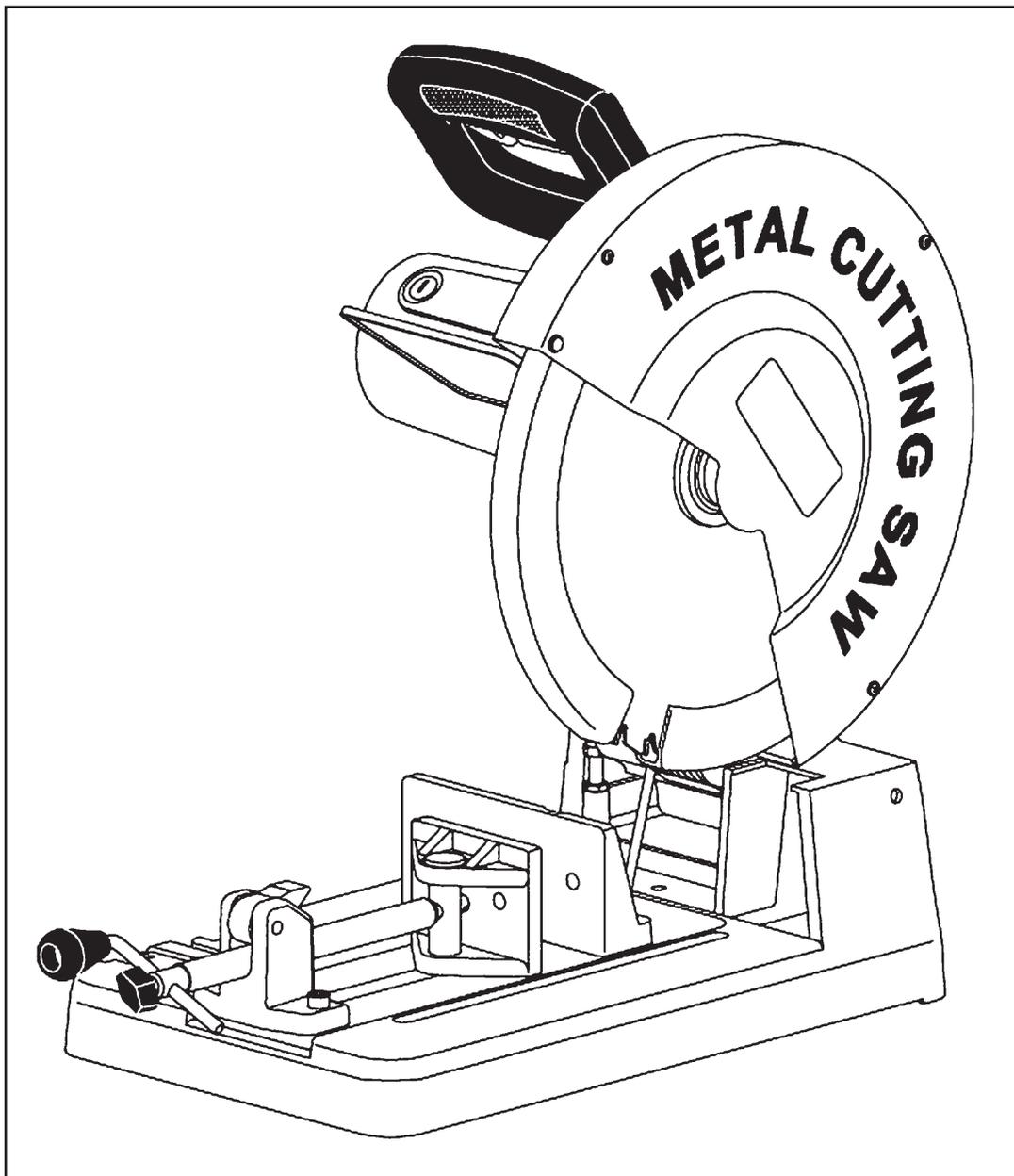


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Intended Use

The metal cutting saw is powerful enough to cut steel sheet metal as thick as ¼” (6mm). Metal cutting saws are designed to rapidly cut lengths or pieces of zinc coated, steel sheet metal and various metals without heating up either the blade or the material.



WARNING! To reduce the risk of injury, read the instruction manual.



WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

1. WORK AREA SAFETY

- Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres,** such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2. ELECTRICAL SAFETY

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed (grounded) surfaces such as pipes, radiators, ranges and refrigerators.** There is increased risk of electric shock if your body is earthed or grounded.

- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFI) protected supply. Use of GFI reduces the risk of electric shock.

3) PERSONAL SAFETY

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, nonskid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents. Additional protection can be achieved by padlocking the master switch.
- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

4) POWER TOOL USE AND CARE

- a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **Disconnect the plug from the power source and/or the battery pack from the tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation.** If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

- g) **Use the power tool, accessories and tool bits, etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- h)  **Caution!: The chip collector tray could be very hot while cutting or after cutting. Don't touch it by hand!!**

5) SERVICE

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

Safety Instructions for Saw

DANGER:

- a) **Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle.** If both hands are holding the saw, they cannot be cut by the blade.
- b) **Do not reach underneath the workpiece.** The guard cannot protect you from the blade below the workpiece.
- c) **Never hold piece being cut in your hands or across your leg. Secure the workpiece with the vice or clamps when necessary.** It is important to support the work properly to minimize body exposure, blade binding, or loss of control.
- d) **Hold power tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will also make exposed metal parts of the power tool "live" and shock the operator.
- e) **Always use blades with correct size and shape (diamond versus round) of arbor holes.** Blades that do not match the mounting hardware of the saw will run ineffectively, causing loss of control.
- f) **Never use damaged or incorrect blade washers or bolts.** The blade washers and bolts are specially designed for your saw, ensuring optimum performance and safety of operation.

Causes and Operator Prevention of Kickback:

- Kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator.
- When the blade is pinched or bound tightly by the cut closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator.
- If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the metal, causing the blade to climb out of the cut and jump back toward the operator.

Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

- a) **Maintain a firm grip on saw handle and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade.** Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the

operator if proper precautions are taken.

- b) When blade is binding or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or remove the saw blade from the work piece while in motion or kickback may occur.** Investigate and take corrective actions to eliminate the cause of blade binding.
- c) When restarting a saw in the workpiece, center the saw blade in the cut and check that saw teeth are not engaged into the material.** If saw blade is binding, it may walk up or kickback from the workpiece as the saw is restarted.
- d) Support long material lengths to minimize the risk of blade pinching and kickback.** Long length materials tend to sag under their own weight. Supports must be placed under the material on both sides near the line of cut and near the edge of the material.
- e) Do not use dull or damaged blades.** Unsharpened or improperly mounted blades produce narrow cuts causing excessive friction, blade binding and kickback.
- f) Blade depth and bevel adjusting locking levers must be tight and secure before making cut.** If blade adjustment shifts while cutting, it may cause binding and kickback.

Guard Safety Instructions

- a) Check guards for proper closing before each use. Do not operate the saw if guards don't move freely and close instantly. Never clamp or tie the guards into the open position.** If saw is accidentally dropped, guards may be bent.
- b) Check the operation of the guards springs. If the guards and the spring are not operating properly, they must be serviced before use.** The guards may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.
- c) When the saw blade is lowered, both guards separate to perform cut.**
- d) Always observe that the guards are covering the blade before leaving the saw.** Be aware of the time it takes for the blade to stop after switch is released.

Additional Safety Instructions

- Use the vice to secure and support the workpiece. Holding the work by hand or against your body leaves it unstable and may lead to loss of control.
- Keep your body positioned to either side of the blade, but not in line with the saw blade. KICKBACK could cause material to jump backwards (see Causes and Operator Prevention of KICKBACK).
- Always make sure nothing interferes with the movement of the blade guards.
- Accessories must be rated for at least the speed recommended on the tool warning label. Wheels and other accessories running over rated speed can fly apart and injure. Accessory ratings must always be above tool speed as shown on tool nameplate.
- Always make sure the saw is clean before using.
- Stop using this saw and have it properly serviced if any unusual noise or abnormal operation occurs.
- Always be sure all components are mounted properly and securely before using tool.
- Always handle the saw blade with care when mounting or removing it or when removing the diamond knockout.
- Always wait until the motor has reached full speed before starting a cut.

- Always keep handles dry, clean and free of oil and grease.
- Always be alert at all times, especially during repetitive monotonous operations. Always be sure of position of your hands relative to the blade.
- Stay clear of end pieces that may fall after cutting off. They may be sharp and/or heavy. Serious personal injury may result.
- Replace or repair damaged cords. Make sure your extension cord is in good condition. Use only 3-wire extension cords that have 3-prong grounding-type plugs and 3-pole receptacles that accept the tools plug.

ADDITIONAL SAFETY RULES OF METAL CUTTING SAW

CAREFULLY READ THE FOLLOWING SAFETY WARNINGS PRIOR TO CONNECTING THE METAL CUTTING SAW TO POWER.

- 1. Must keep** the guards in the fixed position, never wedging or binding them. Before using the metal cutting saw, please ensure the safety guards move freely and close instantly. Don't force the operation.



CAUTION! If the saw is accidentally dropped, the guards could be damaged.

- 2. Danger!** Remove hands from sawing area when tool is operating.



CAUTION! The blade will rotate a period of time after turning off the switch.

- 3. Adjustment.** Before sawing, adjust the saw depth.
- 4. Must select** the right blade. Use the suitable saw blade within the range shown on nameplate.
- 5. Do not** use cutting oil while cutting.
- 6. Do not** use blades which are deformed or cracked.
- 7. Always use safety glasses.** Everyday eyeglasses only have impact resistant lenses; they are not safety glasses.
- 8. To avoid** possible hearing damage, wear ear plugs when using power tool.
- 9. Before moving the saw,** lock the power head in the lower position. Unplug electric cord.
- 10. To avoid back injury,** hold the tool close to your body when lifting. Bend your knees so you can lift with your legs, not your back. Lift by using the hand hold areas at each side of the base bottom or by carrying handle.
- 11. Never carry saw** by the power cord or the trigger grip on the plastic handle. Carrying the tool by the power cord could cause damage to the insulation or the wire connections, resulting in electrical shock or fire.
- 12. Place the saw on a firm,** level surface where there is plenty of room for handling and supporting the work piece.
- 13. Bolt or clamp** the saw to the level surface.

Motor Specifications and Electrical Requirements

Power Supply and Motor Specifications

The AC motor used in this saw is a universal, nonreversible type, having the following specifications:

Model No.	72905361120
Maximum Developed HP	3
Voltage	120, 60Hz
Amps	15
Hertz (Cycles)	60
Phase	Single
RPM	1300
Shaft Rotation	Counter-Clockwise

Power Connections

A separate electrical circuit should be used for your tools. This circuit should not be less #12 wire and should be protected with a 20 Amp fuse. Have a certified electrician replace or repair a worn cord immediately and connect the motor as nameplate mentions. Running low voltage will damage the motor.

 **WARNING: DO NOT EXPOSE THE TOOL TO RAIN OR OPERATE IN DAMP CONDITIONS.**

ASSEMBLY AND ADJUSTMENT INSTRUCTIONS

 **WARNING:**
For your own safety, never connect the plug to a power source outlet until all assembly steps are complete and you have read and understood the safety and operating instructions. The safety guards are attached to the saw for your protection. Should the guards become damaged, do not use the saw until damaged cover has been replaced. If the guards become dirty, or chips adhere to it, clean the safety guards carefully with a damp cloth.

Unpacking Contents

 **WARNING:**
To avoid injury from unexpected starting or electrical shock, don't plug the power cord into a power source outlet during unpacking and assembly. This cord must remain unplugged whenever you are working on the saw.

Your saw is shipped complete in one box.

 **WARNING:**
Although compact, this saw is heavy. To avoid back injury, get help whenever you have to lift the saw.

1. **Remove** the saw from the carton by lifting the saw with the carrying handle.
2. **Place** the saw on a secure and stationary work surface. Inspect for damage.

Box Contents

Before beginning assembly, check that all parts are included.

A. Blade	1	E. Custom-fitted tool case
B. Instruction manual	1	D. Wrench
C. Ear protection	2	
D. Safety eyewear	1	

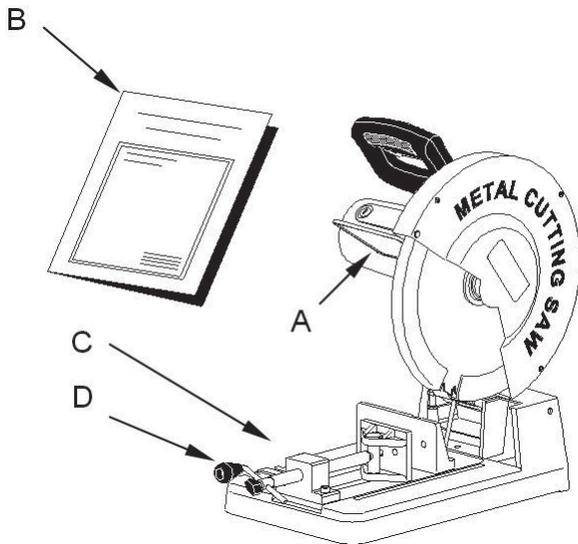


Fig. 1

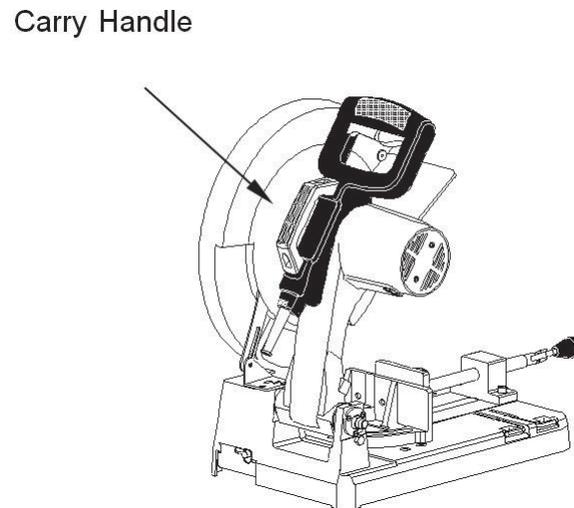


Fig. 2

Getting to Know Your Saw

1. Warning label.

2. Chain: For easy carrying and storage, the cut-off saw can be clamped in the down position by means of the hold down chain. To move the cutting head to the up position, simply unhook the chain from the handle housing.

3. Quick Vise: Clamp the work piece to this vise by turning the handle crank of vise. The stationary vise can be moved or the angle adjusted to accommodate work pieces of many sizes.

4. Retractable Blade: Protects users from cutter contact on upper portion of blade. Removable for blade change.

5. D Handle: The D handle contains the trigger and switch with a lock button (*Refer to #8 & #9). The blade can be lowered into the work piece by pushing down on the handle. The saw will return to its upright position when the handle is released unless the hold down (#2) is hooked.

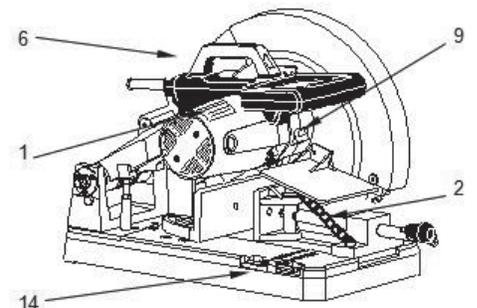


Fig. 3

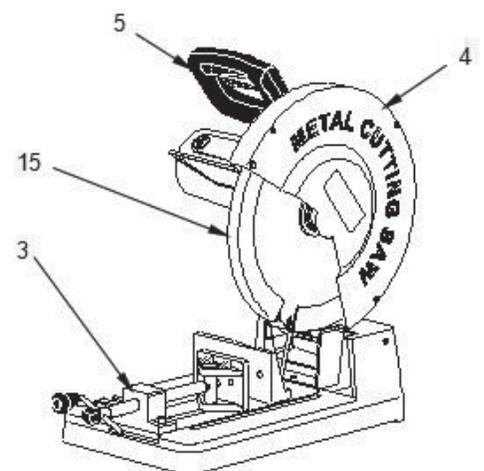


Fig. 4

6. Carrying Handle: This handle is built into the unit to move it from one location to another. Before attempting to pick up the unit by the carrying handle, attach the chain (#2).

7. Eye Protection Plate: To protect eyes from injury, sparks and iron filings that occur while cutting material.

8. Trigger/Switch: To turn saw "ON", first depress trigger and then depress switch (9). To turn saw "OFF", release trigger and switch.

9. Arbor Lock: Prevents blade from rotating while tightening or loosening arbor screw during blade replacement or removal.

11. Up stop Screws: Prevents over rotation of the power head in the upright position.

12. Depth stop: Allows saw to cut desired depths by adjusting the power head.

13. Top Blade Cover: Protects users from cutter contact on upper portion of blade.

14. Arbor Wrench: Used for blade changing and fence angular adjustments.

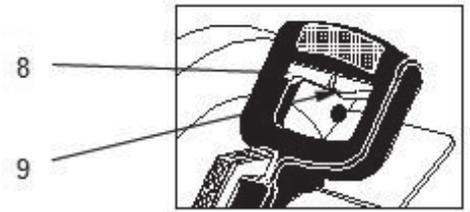


Fig. 5

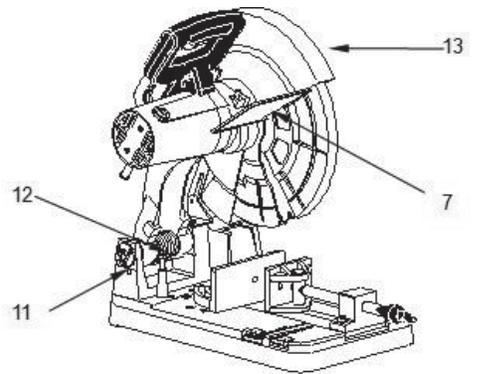


Fig. 6

Installing a New Saw Blade

⚠ WARNING: To prevent an accident or personal injury, always turn off the trigger switch and disconnect the power plug from the receptacle before removing or installing a blade. Only use blades designed for metal cutting saws. The use of any abrasive wheels, alternative purpose wheels or different size blades could void the warranty. Check regularly that the blade is flat, sharp and free of any defect or damage. Ensure the saw is disconnected from power.

1. Loosen the 3 screws (A), and remove the top blade front cover (B).

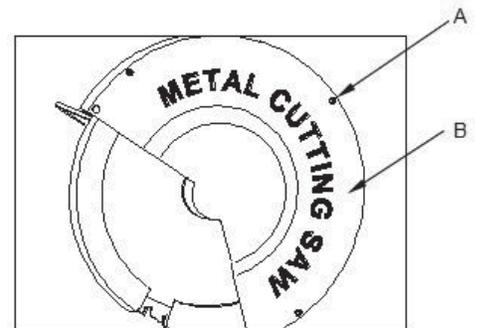
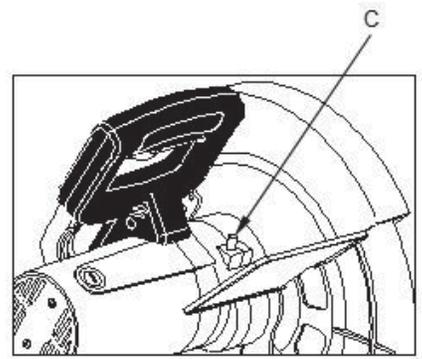


Fig. 7

2. Press in arbor lock (C) and rotate blade (G) by hand until lock engages.



3. Using the 8mm HEX wrench, loosen arbor screw (D) by turning counter clock wise, remove arbor screw (D), washer (E), outside blade flange (F), and blade (G).
DO NOT REMOVE INSIDE BLADE FLANGE.

Fig. 8

4. Ensure inside blade flange surfaces are free from debris.

5. Install new saw blade (G), ensure saw blade arrow is facing proper direction and is visible. Reinstall flange (F), washer (E), arbor screw (D) and tighten clockwise.

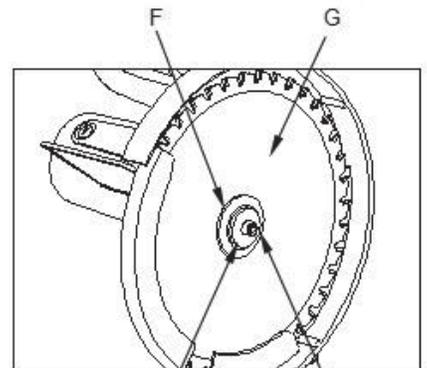


Fig. 9

6. Replace saw blade cover (B) and 3 screws (A).

E D



WARNING: Ensure arbor lock (C) is disengaged and 8mm HEX wrench has been removed before turning on power.

Clean Chip Tray

Loosen the screw (A), take out the chip tray (B) and clear it. Put the chip tray (B) back and tighten screw (A).

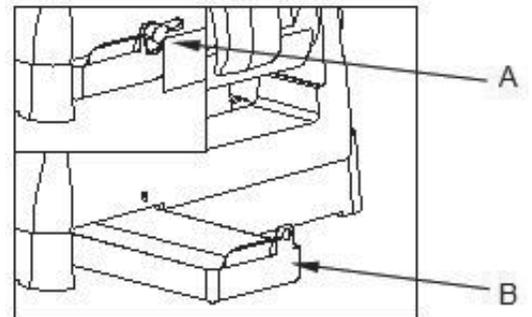


Fig. 10

Down Stop Adjustment

The down stop should be adjusted so that maximum cutting depth is achieved but it does not penetrate the chip tray.

1. Lower cutter head until the arm hits the down stop.
2. Verify maximum cutting capacity and that there is no contact between the base or chip tray.
3. If contact occurs, adjust down stop screw and jam nut until problem is corrected.

Downstop

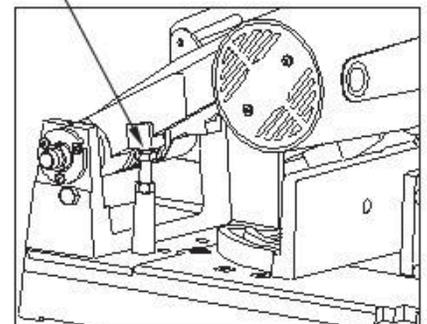


Fig. 11

NOTE: All other adjustments are described in the “Basic Saw Operations” section.

BASIC SAW OPERATION

General Cutting Instructions

Familiarize yourself with the following functions of the Metal-Cutting saw before connecting it to a power source and using it.

1. When starting this Metal-Cutting saw for the first time or after it has been idle for awhile, always let the machine run for one full minute with the blade completely recessed into the guard before making any cuts. If any unknown defects in the blade exist, they typically cause breakage within the first minute of operation. If the blade wobbles or vibrates, discard and replace immediately.
2. When beginning a cut with the saw, care should be exercised not to bump or slam the blade into the work; once it has entered, continue the cut with an even smooth stroke. The faster a cut is made the less heat is created in the work piece, preventing discoloring, and blade life is prolonged. Cut with maximum force without overloading the motor.
3. When cutting long, heavy pieces, use an outboard support to prevent them from tipping the saw or falling down after they are cut.
4. When transporting the saw secure the motor mount to the base to prevent damage.
5. When cut-off blade comes up to full speed, push the handle to begin cutting. It is important to cut with steady and even pressure (Do Not Force) in order to obtain a uniform cut.

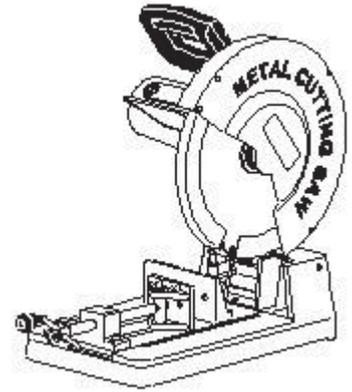


Fig. 12

Adjusting the Stationary Vise

The stationary vise can be repositioned by loosening the adjustment bolts, sliding the fence to the desired position and retightening the bolts. The maximum width capacity is approximately 7-1/4" at 90° / 5" at 45°.

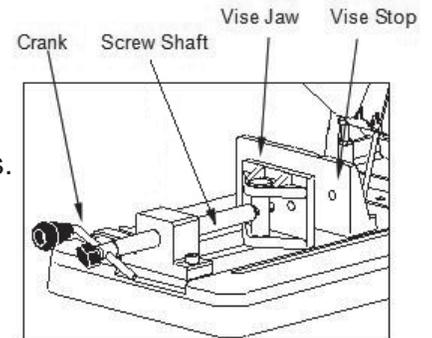


Fig. 13

Changing the Cutting Angle

The vise can be adjusted from 0° to 45°.

1. Loosen bolt on back vise jaw. Pivot to desired cutting angle.
2. Tighten bolt

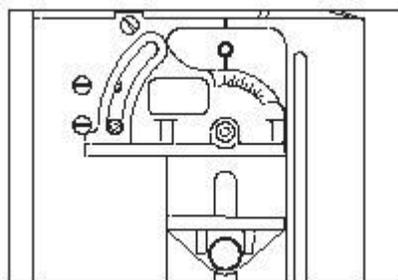


Fig. 14

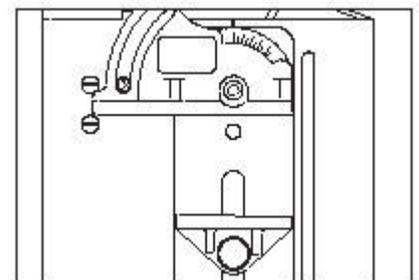


Fig. 15

Two-Piece, Retractable Safety Blade Guard

When cutting head is lowered, the guard separates so material can be cut.

Locking Switch: The “OFF” Position

Important: We suggest that when the machine is not in use, the switch be locked in the “OFF” position using a padlock (B) through the holes in the switch trigger (A).

Work Piece Clamping

Clamp materials securely in vise so blade performance is not impeded. Angle bar should be clamped in a position as shown:

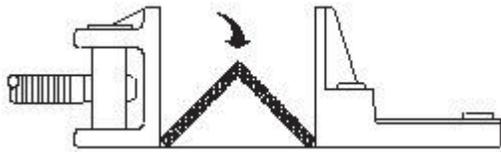


Fig. 18

The most efficient cuts are done if blade cuts the thinnest section of material.

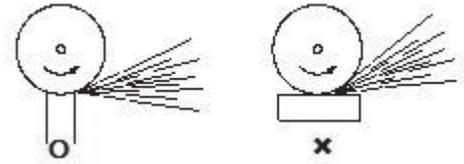


Fig. 19

Recommended Cutting Capacity



WARNING: Greater than recommended capacities may lead to tool and/or personal injury.

Note: Cutting through any cross sectional area of material thicker than 1/2" tends to load up the blade, and this will cause your tool to work harder.

Applicable Blade Dimensions	14" (350mm) Outer Diameter x 1" (25.4mm) Hole Diameter					
	@ 45°			@ 90°		
Work Pieces Configuration (cross-section)						
Maximum Cutting Capacity	4-1/8" (105mm)	3-1/2" x 3-1/2" (90mm x 90mm)	3-1/4" x 3-1/4" (80mm x 80mm)	5-1/8" (130mm)	4-3/4" x 4-3/4" (120mm x 120mm)	3-3/4" x 7" (95mm x 180mm)

REPLACING CARBON BRUSHES

⚠ CAUTION: Turn off the switch and disconnect plug from power supply before checking.

Check brushes regularly, if worn down to 1/4" (6mm), replace brushes. Carbon brushes should be clean and slide freely in holder. Carbon brushes should be replaced in pairs. Use a flat blade screwdriver to remove the brush cap (A) (Note: This cap is spring-loaded by the brush assembly.), take out the worn carbon brush (B), insert new carbon brush and secure the brush holder cap. **Refer to Imagery.*

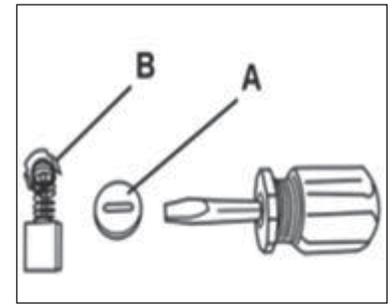


Fig. 20

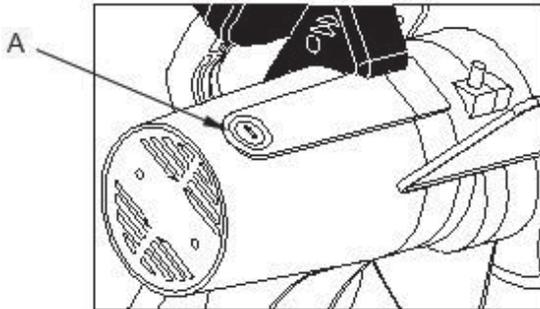


Fig. 21

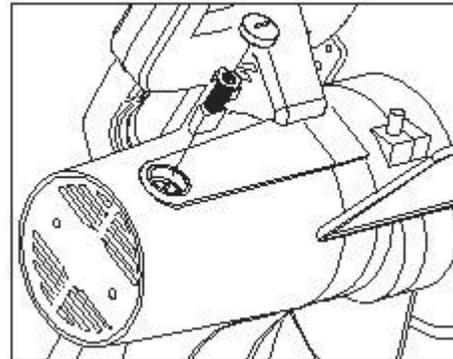


Fig. 22

MAINTENANCE AND LUBRICATION

DANGER: Never put injury from lubricants on the blade while it is spinning

Keep the tool clean. Remove accumulated shavings from working parts.

Make sure that the tool operates properly, Periodically check screws and bolts for tightness.

Feed oil at the oiling points once a month for extending machine service life (machine oil is suitable for the saw). Oiling points are:

- Rotary part of shaft
- Rotary part of vise
- Slide way of vise

Lubrication

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 operation conditions, therefore no further lubrication is required.

Lubrication as Required:

Up Stop Screws: Light machine oil or aerosol will penetrate from ends and junction points. Exposed surfaces are lubricated with automotive type oil.

Central pivot of guard: Use light household oil (3 in 1 oil) on metal-to-metal guard contact areas as required for smooth, quiet operation. Avoid excess oil, to which cutting debris will cling and fire hazard from sparks could be caused.

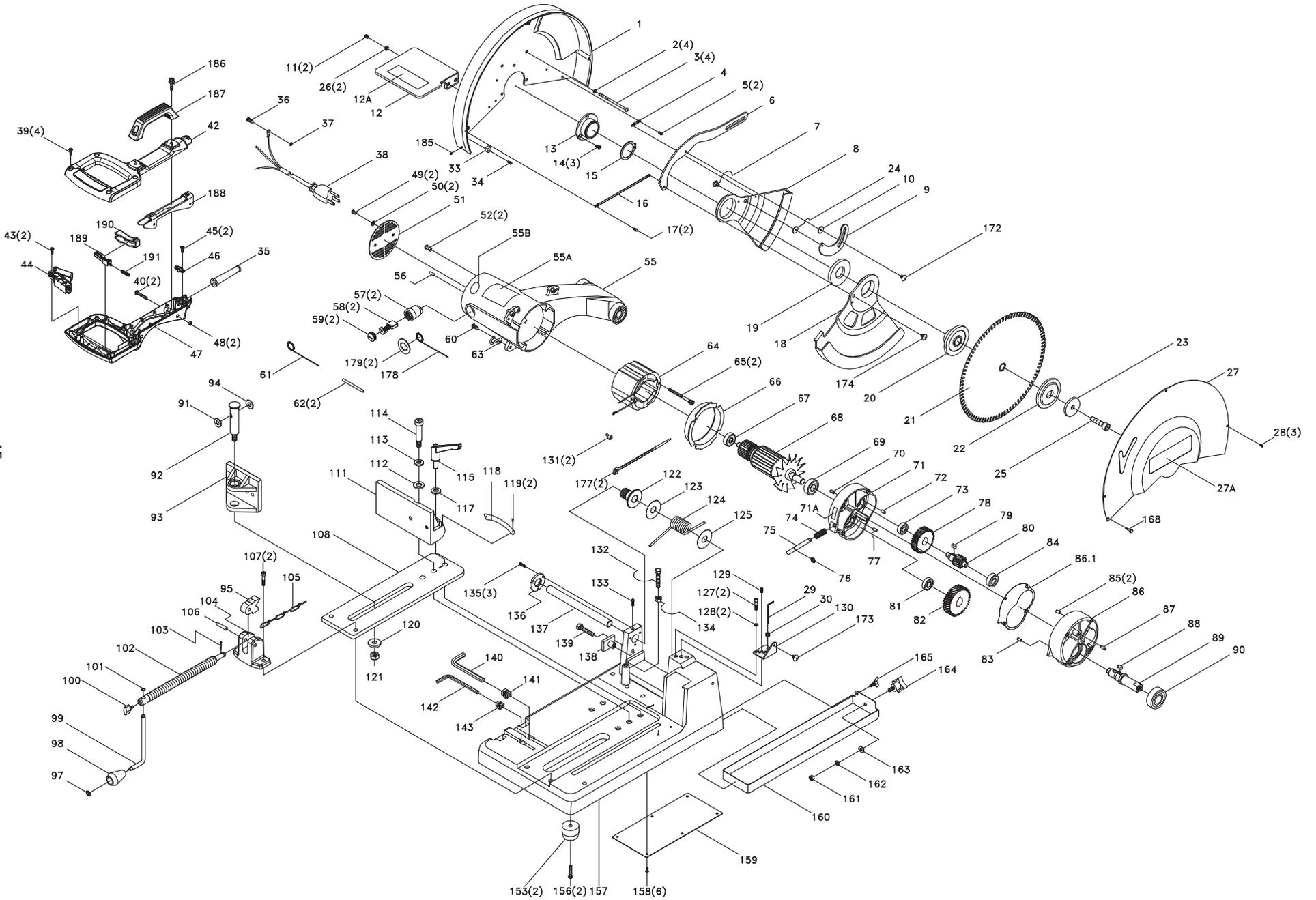
TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Saw won't start	Loss of power supply	Check power source
	Brushes worn or sticking	Check brushes
	Switch is faulty	Contact repair center
	Possible short circuit	Contact repair center
	Cord damage	Contact repair center
Unsatisfactory cuts	Dull, damaged or incorrect blade	Sharpen or replace blade
	Motor overload	Reduce pushing force
Unusual sound	Mechanical obstruction	Contact repair center
	Possible short circuit	Contact repair center
	Blade out of balance	Replace blade
Heavy sparking inside motor housing	Brush not moving freely	Disconnect power; Remove brushes and clean or replace
	Possible short circuit/dirty commutator	Contact repair center

SPECIFICATIONS

Rated voltage	120V~ 60Hz
Rated Input	1300RPM
Arbor	1" (25.4 mm)
Saw Blade Diameter	14" (355mm)
Weight	54 lbs. (kg)
Max. Capacity @ 90°	*see page 12
Max. Capacity @ 45°	
Noise Level L _{pA}	90.9 dB(A)
Noise Level L _{wA}	103.9 dB(A)
Noise Level L _{pCpeak}	115.4 dB(A)

PARTS DIAGRAM



REPLACEMENT PARTS LIST

REF. #	FEIN ORDER #	DESCRIPTION
1	69908120276	SAFETY COVER
2	69908120277	TOOTH LOCK WASHER COUNTERSINK
3	69908120278	HEX SOC FLAT HD SCR
4	69908120279	SPRING
5	69908120280	M4 x 8MM PAN HD SCREW
6	69908120281	LEVER
7	69908120282	SHOULDER SCREW
8, 18	69908120453	BLADE GUARD ASSEMBLY
9	69908120284	LEVER
10	69908120285	SPACER
11	69908120286	PAN HD SCREW + WASHER
12	69908120287	PROTECTION PLATE
13	69908120288	BEARING BASS
14	69908120289	FLAT HD SCREW
15	69908120290	EXTL RETAINING RING
16	69908120291	SPRING
17	69908120292	M4 x 8MM PAN HD SCREW
19	69908120294	SPACER
20	69908120295	FLANGE
22	69908120296	FLANGE
23	69908120297	M10 FLAT WASHER
24	69908120298	SPACER
25	69908120299	HEX SOC HD SCREW +WASHER
26	69908120300	FLAT WASHER
27	69908120301	COVER
28	69908120302	SCREW W/ WASHER
33	69908120303	STOP
34	69908120304	PAN HD SCREW
35	69908120305	CORD GUARD
36	69908120306	PAN HD SCREW M5 x 12
37	69908120307	TOOTH LOCK WASHER EXT'
38	69908120308	POWER CORD
39	69908120309	SELF TAPPING SCREW
40	69908120310	SCREW PAN HEAD M5 + WASHER
42, 47	69908120452	HANDLE ASSEMBLY
43	69908120312	SELF TAPPING SCREW
44	69908120313	SWITCH
44.1	69908120314	PAN HD SCREW
45	69908120315	SELF TAPPING SCREW
46	69908120316	CORD CLAMP
48	69908120318	HEX NUT
49	69908120319	PAN HD SCREW M5 x 12
50	69908120320	LOCK WASHER

REF. #	FEIN ORDER #	DESCRIPTION
51	69908120321	END COVER
52	69908120322	PAN HD SCREW M5 x 12
55	69908120323	MOTOR HOUSING
56	69908120324	RUBBER PIN
57	69908120325	HOLDER BRUSH
58	69908120326	BRUSH
59	69908120327	CAP BRUSH
60	69908120328	SHOULDER SCREW
61	69908120329	JUMPER WIRE14 x 190mm (yellow)
62	69908120330	SLEEVING
63	69908120331	CHAIN HOOK
64	69908120332	FIELD ASS'Y 110V
65	69908120333	HEX HD SCREW + WASHER
66	69908120334	BAFFLE
67	69908120335	BALL BEARING
68	69908120336	ARMATURE ASS'Y
69	69908120337	BALL BEARING
70	69908120338	RUBBER PIN
71, 86	69908120339	GEAR HOUSING ASSEMBLY
72	69908120340	RUBBER PIN
73	69908120341	BALL BEARING
74	69908120342	SPRING
75	69908120343	LOCK PIN
75.1	69908120344	KNOB
76	69908120345	E-RING (ETW)
77	69908120346	RUBBER PIN
78	69908120347	FRONT GEAR
79	69908120348	SQUARE KEY
80	69908120349	GEAR SHAFT
81	69908120350	BALL BEARING
82	69908120351	BACK GEAR
83	69908120352	RUBBER PIN
84	69908120353	BEARING BALL6200LLU CM, 5C
85	69908120354	PIN
86.1	69908120356	OIL SEAL
87	69908120357	PIN
88	69908120358	SQUARE KEY
89	69908120359	SPINDLE
90	69908120360	BALL BEARING
91	69908120361	WASHER FLATD 10.5 x 22 OD x 3T
92	69908120362	PIN
93	69908120363	WISE JAW
94	69908120364	FLAT WASHER
95	69908120365	THREAD NUT

REPLACEMENT PARTS LIST ...continued

REF. #	FEIN ORDER #	DESCRIPTION
97	69908120366	SELF-LOCKING NUT (CLIP)
98	69908120367	KNOB
99	69908120368	HANDLE
100	69908120369	PLASTIC KNOB (WING SCREW)
101	69908120370	RING
102	69908120371	SCREW
103	69908120372	PIN
104	69908120373	SUPPORT
105	69908120374	CHAIN
106	69908120375	8MM PIN
107	69908120376	HEX SOC HD SCREW + WASHER
108	69908120377	SETTING UP PIECE
111	69908120378	VICE PLATE
112	69908120379	FLAT WASHER
113	69908120380	LOCK WASHER
114	69908120381	BOLT
115	69908120382	LOCK LEVER
116	69908120383	LOCK WASHER M10
117	69908120384	WASHER FLATD 10.5 x 22 OD x 3T
118	69908120385	SCALE
119	69908120386	DRIVE SCREW
120	69908120387	WASHER
121	69908120388	NYLON NUT
122	69908120389	ADJUSTING BUSHING
123	69908120390	FLAT WASHER
124	69908120391	SPRING
125	69908120392	FLAT WASHER
127	69908120393	HEX SOC HD SCREW + WASHER
128	69908120394	FLAT WASHER
129	69908120395	SET SCREW
130	69908120396	BRACE BRACKET
131	69908120397	CONNECTOR WIRE
132	69908120398	M8 x 45MM HEX HD SCREW
133	69908120399	SET SCREW
134	69908120400	NUT HEX M8 x 1.25
135	69908120401	PAN HD SCREW + WASHER
136	69908120402	NUT
137	69908120403	SHAFT
138	69908120404	SPECIAL NUT
139	69908120405	M8 x 45MM HEX HD SCREW
140	69908120406	8MM HEX WRENCH
141	69908120407	WRENCH HOLDER
142	69908120408	6MM HEX WRENCH

REPLACEMENT PARTS LIST *...continued*

REF. #	FEIN ORDER #	DESCRIPTION
143	69908120409	WRENCH HOLDER
153	69908120410	PAD
156	69908120411	PAN HD SCREW + WASHER
157	69908120412	BASE
158	69908120413	PAN HD SCREW + WASHER
159	69908120414	SUPPORT PLATE
160	69908120415	CHIP BOX
161	69908120416	HEX NUT
162	69908120417	WASHER FLAT
163	69908120418	LOCK WASHER
164	69908120419	KNOB
165	69908120420	WING SCREW
168	69908120421	PIN
172	69908120422	SHOULDER SCREW
173	69908120423	SHOULDER SCREW
174	69908120424	SHOULDER SCREW
177	69908120425	TIE- CABLE
178	69908120426	JUMPER WIRE 14 x 230MM (blue)
179	69908120427	FIBER PLATE
185	69908120428	SET SCREW
186	69908120429	M6x30MM PAN HD SCREW+WASHER
187	69908120430	HANDLE CARRY
188	69908120431	HANGER HANDLE
189	69908120432	LOCKING BAR
190	69908120433	TRIGGER
191	69908120434	SPRING COMPRESSION

KEY

ICON	MESSAGE
	Please read the instructions carefully before starting the machine.
	Wear ear protection.
	Always wear safety glasses when using the machine.
	Always keep hands away from the path of the saw blade.
	Always disconnect the plug from the socket before carrying out any work on the machine.
	Never expose tool to rain.
	Caution
	Laser radiation. Avoid direct eye contact with light source.
	Caution: When cutting don't touch the metal parts to avoid burns.
	Do not dispose of electric tools with household waste material.
	Caution: Laser radiation - Do not stare into beam.



Make the most of your FEIN warranty.

All you need to do is register your new FEIN power tool at www.feinus.com/warranty within 6 weeks of purchase.

FEIN Power Tools, Inc.
1030 Alcon Street
Pittsburgh, PA 15220
Tel. 412-922-8886
Toll Free: 1-800-441-9878
www.feinus.com