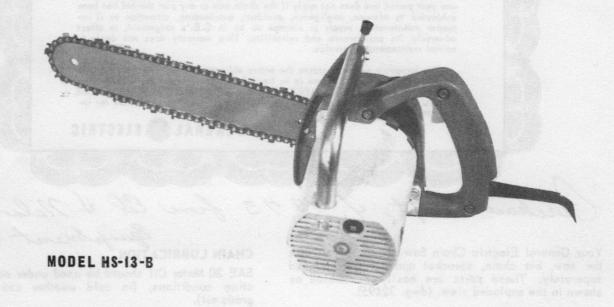


36 VOLT DC ELECTRIC CHAIN SAW



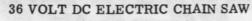
HOW TO ORDER REPAIR PARTS

ALL PARTS LISTED HEREIN MAY SE ORDERED
THROUGH GENERAL ELECTRIC CHAIN SAW SERVICE CENTER
SELLING PRICES WILL BE FURNISHED ON REQUEST
OR PARTS WILL BE SHIPPED AND BILLED AT
PREVAILING PRICES.

IF AND WHEN YOU NEED REPAIRS OR SERVICE ALWAYS MENTION THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST.

- 1. THE MODEL NUMBER HS-13-B
- 2. THE NAME OF ITEM CHAIN SAW
- 3. THE PART NUMBER-
- 4. THE PART NAME-





WARRANTY

For a period of one year from the date of original purchase, General Electric warrants that its Chain Saw will be free from defects in material and workmanship under normal use and service.

General Electric's obligation under this warranty is limited to repair or replacement (at its option) at its authorized chain saw Service Station of any part which examination discloses to G.E.'s satisfaction to be defective within said one year period and does not apply if the chain saw or any part thereof has been subjected to mis-use, negligence, accident, overloading, alteration or if improper maintenance, repair or storage so as in G.E.'s judgement, to affect adversely its performance and reliability. This warranty does not apply to normal maintenance or service.

The foregoing warranty states the entire obligation of General Electric with respect to said Chain Saw and is in lieu of all other warranties, expressed or implied. NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE SHALL APPLY. In no event will General Electric Company be liable for incidental or consequential damages.

GENERAL & ELECTRIC

Curchased Sept. 4, 1973 from Ed J. Melson

Your General Electric Chain Saw comes to you with the saw, bar chain, sprocket and hardware packed seperately. These parts are easily assembled as shown in the exploded view. (dwg. 32495).

TO ASSEMBLE

- 1. Place the sprocket, item 10 on the hub, item 11.
- 2. Install the chain, item 19, on the chain bar, item 18.
- 3. Place the chain on the sprocket with the chain bar over the studs, make certain that the pin on the adjusting nut, item 42, fits into the mating hole in the chain bar.
- 4. Install the flanged nuts, item 41, on the studs, item 34. TIGHTEN FINGER TIGHT.

ADJUSTING THE CHAIN TENSION

To avoid unnecessary loading of the saw motor, proper chain tension should always be maintained.

CAUTION: Always disconnect the electrical cord before adjusting the chain tension.

- 1. Turn the adjusting screw, item 44, clockwise, this will tighten the chain. Proper tension is applied when the chain has no slack below the guide bar, yet can be pulled around the guide bar easily by hand. Care should be exercised so as not to cut your hands on the chain saw's teeth.
- 2. When proper tension is obtained, tighten the two Hex. Nuts, item 41, securely.

NOTE: Always check the chain tension before cutting. If the chain appears loose during operation, allow the saw to cool for approximately 5 minutes before setting tension.

3. Install the chain guard, item 40, secure with the three screws shown, item 43.

CHAIN LUBRICATION

SAE 30 Motor Oil should be used under normal operating conditions, (in cold weather use a lighter grade oil).

Maintain a full supply of oil in the oil chamber at all times. During saw operation, push oil pumper frequently — at least once a minute — to insure proper lubrication of the chain track.

Failure to oil saw properly can produce excessive friction and heat — this reduces the life of the motor, gears, bar and chain.

OPERATING INSTRUCTIONS

There are a number of basic rules that must be followed to assure proper operation of your chain saw.

 The saw must be operated on the DC voltage shown on the nameplate (top of motor housing).

Do not operate this saw on 115 or 230 volt line, or the motor will burn out.

- 2. When operating the chain must be at full speed at all times. If chain slows or stops, release motor switch, and withdraw the saw from the cut before pressing the motor switch.
- 3. Keep chain sharp at all times a dull chain saw will overload the motor. Do not run chain in sand, dirt, stone or against metal. Avoid running saw close to the ground cooling fan may draw dirt into the motor.
- 4. The use of extension cords will result in voltage drops that could possibly damage the motor. Use only the cord supplied with this chain saw.

BREAKING IN A NEW CHAIN SAW

- Soak the chain and bar with SAE-30 oil the rust inhibitor on a new saw chain is not a lubricant.
- Make certain of the proper chain tension.

- Allow chain and motor to warm up by running 3 to 5 minutes. without cutting.
- 4. Make a few test cuts stop motor, check chain tension and oil thoroughly after each cut.
- 5. Check the chain tension carefully during the first 30 minutes of cutting. Chain will stretch rapidly for the first half hour of operation.

MAINTENANCE

To insure the proper operation of your chain saw, follow these maintenance steps carefully;

AVOID MOTOR OVERLOAD - This is caused by -

- 1. Starting a saw pinched in a cut.
- 2. Applying too much pressure causing the speed of the blade to slow excessively.
- 3. Dull or improperly sharpened chains.

LUBRICATION

Every 6 months, the grease in the gear box should be removed, the gear box washed with kerosene and repacked using —

Lubriplate No. 3 10, Light Density.

MOTOR BRUSHES

The motor brushes should be replaced when they are worn down to approximately 5/8" length. Should they wear to a length of less than 5/8 inch, an automatic stop, built into the saw will prevent the brush from touching the armature. If the saw motor should stop or operate irratically, check the brushes immediately by removing the rear screen. Replace if they are 5/8" or shorter in length.

ARMATURE AND COMMUTATOR

When these become dirty, clean with 3/0, or finer, sandpaper. NEVER USE EMERY PAPER. A badly grooved commutator must be turned in a lathe or returned for service repair.

AIR CIRCULATION

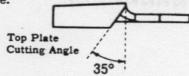
Your saw should be kept free from dirt and dust deposits so that air circulation will properly cool the motor, when the saw is used.

FILING INSTRUCTIONS

Available as an optional accessory are the following items; Depth Guage 0.025

Depth Guage — 0.025
Filing Guide W/File Part No. 32723*
1/8" Dia. Rd. File Part No. 32722*

Inspect chain daily for sharpness, when saw is in use. If chain needs sharpening, use the following procedure.

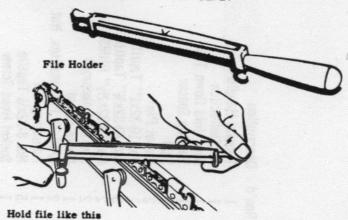


- Use 1/8" round straight chain saw file only. (DO NOT USE A FLAT FILE).
 Part No. 32722.*
- 2. Hold file level with cutter plate (horizontal) at a 350 angle to the chain.
- *Available through Chain Saw Service Centers

3. Apply a long firm, even pressure on the forward stroke. Keep file up against the cutter plate, with 1/4 of the file diameter above the top of the cutter plate. Avoid low under cutting.

WITH FILE HOLDER

Order file holder - Part No. 32721*

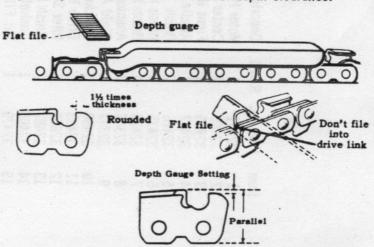


- 1. Hold file level by pressing flat side of file holder firmly against the top of the cutter.
- 2. Make certain that the notched 35° angle guides are lined up on the file holder parallel to the chain. With these notches in the parallel position, the rerecommended 35° angle is obtained.
- 3. Apply a firm pressure on the foreward stroke. Rotate the file occasionally for best results.

DEPTH GUAGE JOINTER

Order Depth Guage Jointer-Part No. 32723*

All Depth Guages on chain must be at a uniform height of 0.20" to 0.25". Too much height prevents full tooth bite — decreases cutting efficiency. Too low a setting causes saw to grab. A depth guage jointer permits accurate and correct depth clearance.



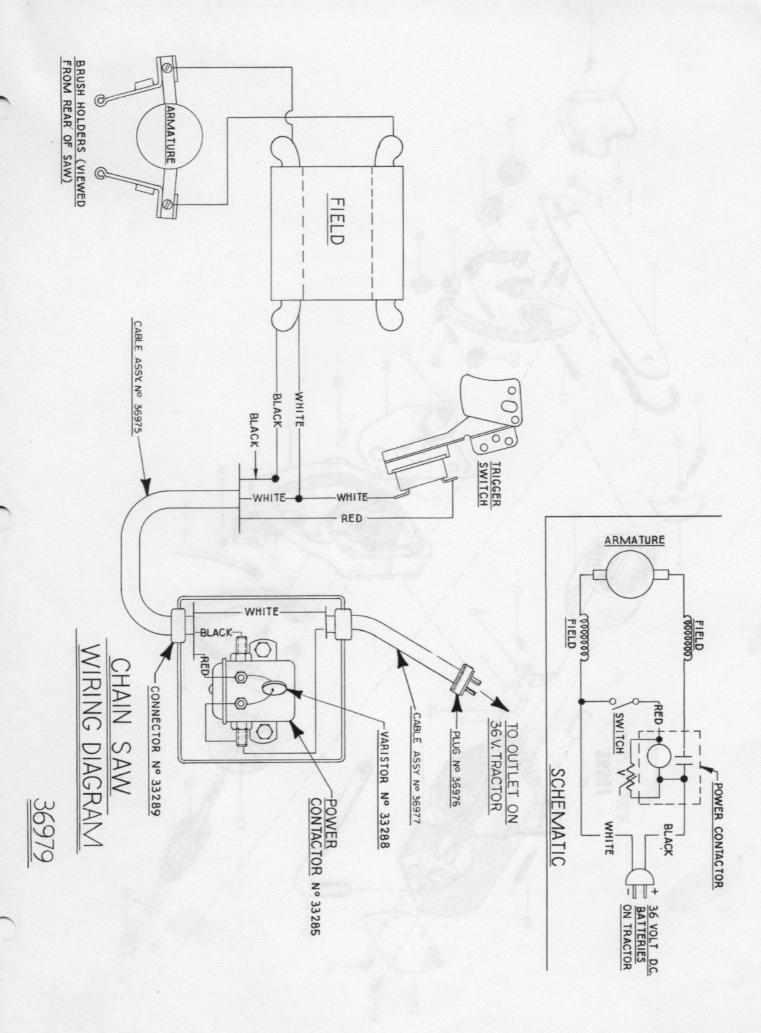
Place guage tool so that it rests on top of at least two cutters and so that the top of the depth guage projects up through the filing notch.

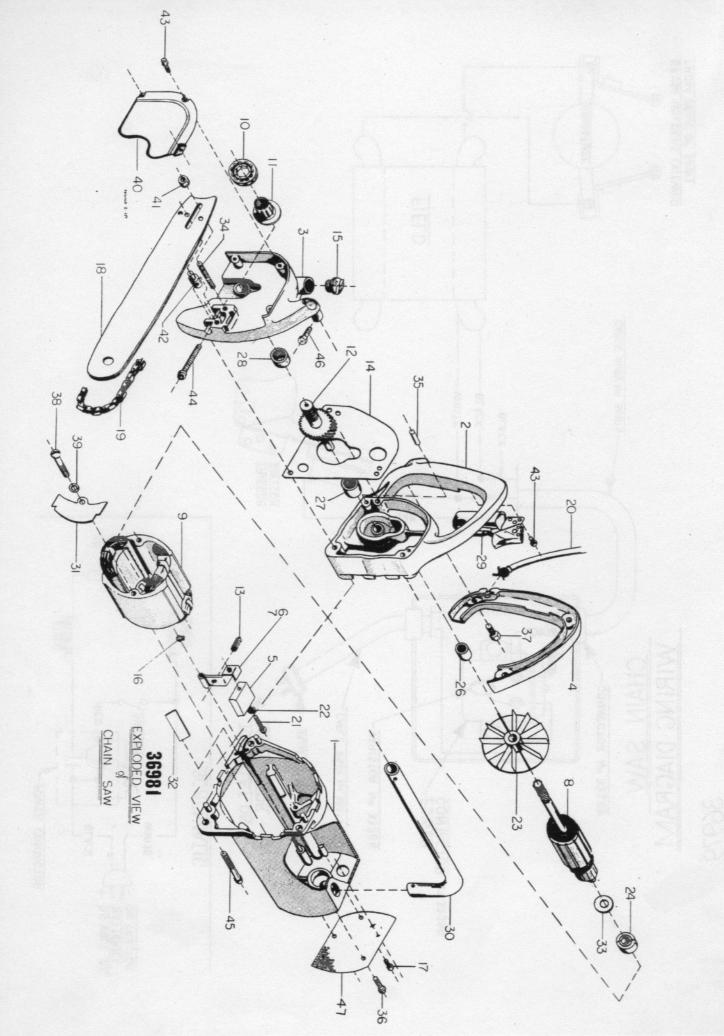
Using a flat file, file off all chain depth guage projecting above filing notches. (Prongs will not be damaged — they are of hardened steel.

tem Part No. Req'd Description		1 Air Deflection	- 1	33 27139 1 Bearing Spacer	2	2 Dowel Pin	1 No. 10-32×1"	3 No. 1	22151 2		1		-	410		44 20403 I %-2" Tantite	,-	io T	2 Special Washer	2 Brush Shim	*50 34919 2 Drive Rim Retainer) Shown		*These pieces are held in place by nut 41.	Item 50 should be positioned on Item 18 so	that it extends over and covers Item 10.					
Description	Motor Douglas	Motor Cartion	Cellfel Section	Figure Housing	nallule	Brush Uelder B L	Brush Holder I H	Armsture	Field Assembly	Field Assembly	Sprocket	Ulive riup	Idler Stalt Assembly	Brush Holder Spring	Gasket	Oil Fill Cap	Snap Ring	No. 8 Sheet Metal Sc.	Chain Bar - 13"	Chain – 13	Cord Assembly	No. 6 Brass—Shakenroof	For	Pall	Relay & Box Assy (not shown)	Bronze Bearing	Bronze Bearing	Bronze Bearing	Switch	
Dart No Don'd		32461 1	32463	32465	3240/	324/6 2	324/5	324/4	32346	3234/	32480	32483	32655 1	32487 2	32468 1	32479 1	32491 2	2277.4 2	32477 1	32478 1	36975 1	7 57/13 7	7 00007	72174	20101	25729	25223	25230	25238 1	111111
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Item	Part No.	Req'd	Description
1			Front Gear Housing Assembly
2	32652	1	Oil Pump Assembly
3	28716	1	Oil Sump Hose
4	25570	1	Soil Screen
5	29174	1	3/8 N.P.T. Pipe Plug
6	28715	2	"O" Ring
7	26603	1	Knob

