McCULLOCH SERVICE BULLETIN

NO. 1586

MODEL SEVERAL. DATE May 13, 1975

SUBJECT Several.

1. PM-6A & MM - Muffler Screws.
2. MM DRILL - New Accessories.
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4. GENERATOR (H 1500 & 2000) - Stators.
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7. MC 92 - Cylinder Head Gasket.
8. TOOL (Rivet) - Availability; Re-Assembly.
9. MICROFICHE HARDWARE - Price Changes.

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1 PM-6A and MINI-MAC - Muffler Screws.

Screw, P/N 110928, with better holding quality is now being installed to attach the muffler body to the saw. Improved holding reduces the possibility of muffler becoming loose in operation.

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2 MINI-MAC ALL-PURPOSE DRILL - New Accessories.

Reference: IPL No. 89764 of JUN 73.

The table below lists new accessories (in addition to those in the referenced illustrated parts list) available for the Mini-Mac Drill.

Although the standard Earth Bit Tip, P/N 90973, is quite adequate for most drilling with the 4-, 6-, and 8-in. Earth Blades, the arrow-headed Ice Bit Tip, P/N 90974, is the more effective pilot tip in very hard materials such as compacted, dry clay soils and ice.

The Ice Bit Tip, P/N 90974, must be used together with the 8-in. Ice Blade, P/N 90978, to effectively penetrate ice.

Blades are secured to the augers with two each of the Nut, P/N 90979, Washer, P/N 90980, and Screw, P/N 102075.

There are no replacement tips or blades for the 2-in. auger.

Part No.	Description	Part No.	Description
90973	Tip - Earth bit	90979	Nut - Hx 5/16-18 Spec
90974	Tip - Ice bit, 8 in.	90980	Washer - Fl 5/16 Spec
90975	Blade - Earth, 4 in.	90981	Pin - Roll 5/16-x 1.25
90976	Blade - Earth, 6 in.	102075	Screw - Hx 5/16-18 x 1
90977	Blade - Earth, 8 in.	91363	Pin - Clevis
90978	Blade - Ice, 8 in.	91364	Pin - Clevis retainer

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37-10A - Build-Level Changes.

Model 7-10A saws now being manufactured are identified by serial numbers prefixed (15-). The most important difference between this build and the previous (14-) level is the introduction of alternate carburetors. To assure continuity in production it is necessary to have alternate sources for carburetors. Both carburetors have the fixed high speed jet.

Illustrated Parts List, P/N 91123, to be shipped in the near future covers all models of the 7-10A.

A quantity of 7-10A saws were manufactured with SDC49 carburetors, P/N 89324.

The 89324 SDC49 carburetor is normally equipped with a number 032 high speed fixed jet. All SDC49 carburetors used in the Model 7-10A 15- level build have been reworked with the number 028 high speed fixed jet. The only differences between the SDC49 and the SDC58 Carburetor listed in the IPL is the high speed fixed jet. All other parts are interchangeable.

The carburetors and other changes new to the (15-) level are listed (by figure) and indicated by a dash (-) preceding the changed part number as follows.

Figure 1.
- Item 24. P/N 89438 Rotor Assy (S/Ns prefixed 12-, 13-, 14-, 15-,).
- Item 36. P/N 102762 Screw changed to P/N 110741 Screw (all levels).
- Item 37. P/N 69890 Lockplate Deleted. (all levels).
- Item 46. P/N 89425 Cover Fuel Tank (S/Ns prefixed 15-).

Figure 2.
- Item 1. P/N 91255 Kit Starter Handle. (all levels).

Figure 3.
- Item 6A. P/N 63044 Button Oiler. (all levels).

Figure 6.
P/N 91121 Carburetor Assy. (HS165A) (S/Ns prefixed 15-).

Figure 7.
P/N 91275 Carburetor Assy. (SDC58) (alternate SDC49) (S/Ns prefixed 15-).

Figure 8.
- Item 60. P/N 110713 Screw changed to P/N 110865 Screw. (all levels).

4 GENERATOR (H 1500 and H 2000) - Stators.

Reference: Instruction Sheet and Illustrated Parts List No. 21733.

Some H-1500 generators are now manufactured with stators that have round-wire windings instead of ribbon windings (Fig. 1 and 2). Although different in appearance, both stators are completely interchangeable. (Both types of stators are wound with aluminum wire, but the reddish color of the insulating material causes some stator windings to appear to be copper.).

Service replacement stators are of the ribbon-wire type, and units can be repaired and operated satisfactorily with one of each type stator in the same generator.

Use the same installation techniques for both types of stators.

IMPORTANT APPLICATION NOTE: Although mechanically similar, the round-wire stator should not be installed in an H-2000 generator because it is not electrically designed for this application

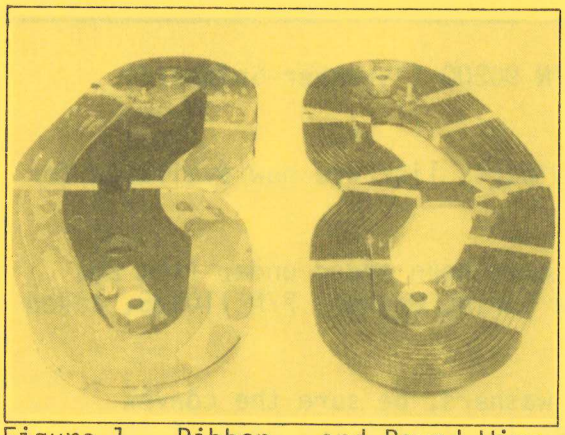


Figure 1. Ribbon- and Round-Wire Stators Compared.

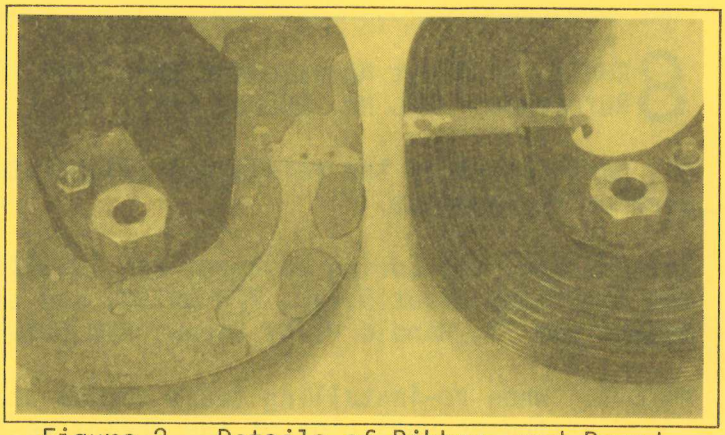


Figure 2. Details of Ribbon- and Round-Wire Windings.

5 GENERATOR - Touch-Up Paint.

For touch-up painting the H-Series generators, use only air-dry enamels. Do not use the yellow or black lacquers (McCulloch No. 102464 or 103400) because they act as paint removers, and are not compatible with the original generator paint.

6 MC 101 B KART ENGINE - IPL Correction.

Reference: IPL No. 91005, SEP 74, Pg 6 and 7, Item 68.

Item 68 should be P/N 84459, .Gasket - Cylinder head.

7 MC 92 - Cylinder Head Gasket.

Beginning with Serial Number 15-10301, an improved head gasket was installed in the MC 92 Engine.

The new Cylinder Head Gasket, P/N 91073, (same part number as the original gasket) has a smaller inside diameter (i.d.), 2.215 in. (56mm) to 2.225 in. (57mm), than the original gasket, which had an i.d. of 2.315 in. (58mm) to 2.325 in. (59mm).

The newer gasket provides better sealing, heat transfer, and higher allowable compression ratio.

Any older gaskets with the larger i.d., 2.315 in. (58mm) to 2.325 in. (59mm), from your stock or out of units from Serial Numbers 15-10001 through 15-10300 may be returned to the factory for credit.

Return the old style gaskets to Distributor together with Warranty Request (WR), Form No. 60980.

8 CHAIN - Rivet Replacement Shop Tool, P/N 90200 ("Breaker-Spinner").

Reference: IPL No. 90209, 1973.

All parts shown on the referenced illustrated parts list are now available for service replacement.

In addition, two Spring Washers, P/N 105962, have been added under Item 20, Cam and Clamp Pivot Screw, P/N 90193, and one Spring Washer, P/N 110925, added under Item 17, Handle Pivot Screw, P/N 90191.

NOTE 1: When re-installing these screws and washers, be sure the convex (bowed out) side of the spring washer is against the head of the screw, and that concave (bowed in) side is against the cam, clamp, or handle, as the case may be (Fig. 1).

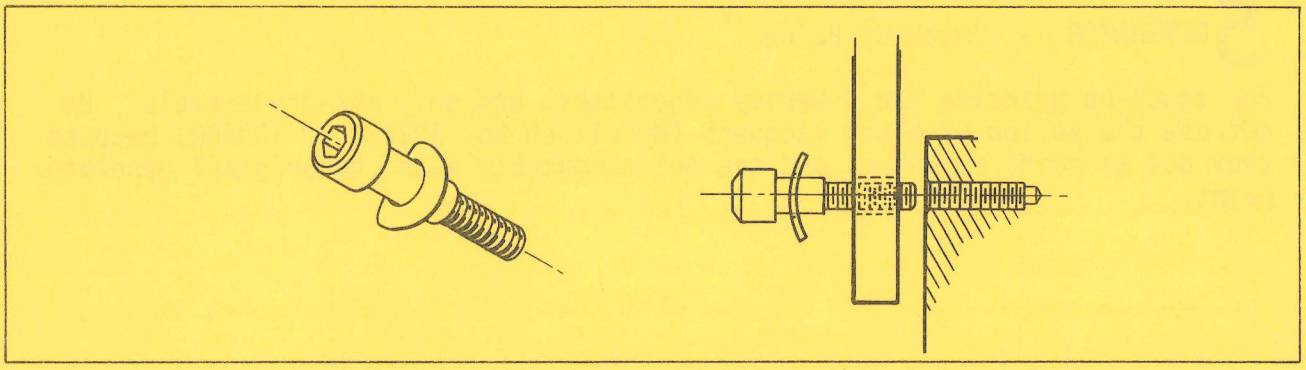


Figure 1. Correct Placement of Spring Washer Under Screw-Head.

Under "Removing Rivet" Instructions, Step 1, after second sentence:

NOTE 2: To avoid breaking punch, be sure punch is exactly centered on rivet: otherwise it may be broken against side link.

When re-assembling parts of the tool, be sure all parts are clean, and add a drop or so of 30 SAE oil to moving parts.

9 MICROFICHE HARDWARE - Price Changes.

As of March 3, 1975, net prices for five items of hardware have been changed, as shown under "Pricing and Stocking Information."

PRICING AND STOCKING INFORMATION

Subject	Part Number	Description	Manufacturer's Suggested List Price	Net Price	Stocking Code
1	110928Z	Screw - Whiz Lock	1.10		C
2	90973	Tip - Earth Bit	4.45		A
	90974	Tip - Ice bit, 8 in.	5.85		
	90975	Blade - Earth, 4 in.	8.40		
	90976	Blade - Earth, 6 in.	9.10		
	90977	Blade - Earth, 8 in.	9.85		
	90978	Blade - Ice, 8 in.	8.20		
	90979	Nut - Hx 5/16-18 Spec	0.50		
	90980	Washer - Fl 5/16 Spec	0.25		
	90981	Pin - Roll 5/16-x 1.25	0.50		
	102075	Screw - Hx 5/16-18 x 1	1.10		
	91363	Pin - Clevis	0.85		
	91364	Pin - Clevis retainer	0.20		A
3	63044	Button - Oiler	.50		A
	89425	Cover - Fuel tank	6.35		A
	89438	Rotor - Assy clutch	5.45		B
	91121	Carburetor Assy	26.05		A
	91255	Kit - Starter handle	1.60		A
	91275	Carburetor Assy	26.05		A
4	NA(1)				NA
5	NA				NA
6	84459	Gasket - Cylinder head	2.05		B
7	91073Z	Gasket - Cylinder head	9.90		A

(1) Not applicable.

Subject	Part Number	Description	Manufacturer's Suggested List Price	Net Price	Stocking Code
8	90186	Guide - Chain		3.95	A
	90184	Base - Tool		13.90	
	105224V(1)	Screw - Height adjustment	2.10		
	90206	Punch		3.15	
	90192	Clamp - Link		3.95	
	90194	Cam- Link clamp		4.55	
	90190	Handle - Punch advance		7.40	
	90208	Stop - Rivet		2.50	
	101023Z(2)	Locknut - Rivet stop	1.10		
	90195	Assembly - Forming die		17.45	
	90196	. Crank - Die advance		4.75	
	90198	. Die - Forming		5.00	
	110496Z	. Pin - Crank-die retaining	1.85		
	90201	. Screw - Die advance		4.00	
	100993Z	. Pin - Crank-screw engaging	2.45		
	90199	. Washer - Die position		0.10	
	90207	Spring - Punch retract		0.20	
	90191	Screw - Handle pivot		0.50	
	90202	Washer - Handle pivot screw		0.85	
	90205	Spring - Clamp retract		0.25	
	90193	Screw - Cam & clamp pivot		0.40	
	90203	Washer - Cam & clamp pivot screw		0.70	
	105962Z	Washer - Spring	1.00		
	110925Z	Washer - Spring		0.50	A
9	90268	Xerox 340 Reader		229.00	A
	90372	Turntable		18.00	
	90373	Spare Lamp		8.00	
	90374	Cleaning Kit		6.00	
	90375	Storage Tray		19.95	A

(1) "V" indicates 5 items per package.
(2) "Z" indicates 10 items per package.

McCULLOCH CORPORATION

Product Service
Department