McCULLOCH CORPORATION

SERVICE BULLETIN

1568

MODEL: 7-10A

July 28, 1974

SUBJECT: Build Changes.

Model 7-10A saws now being manufactured are identified by serial numbers prefixed 14-. The most important difference between this build and the previous (13-) level, is the change to a fixed high speed jet carburetor. Earlier models are equipped with two-needle carburetors.

Illustrated Parts List, P/N 90539, to be shipped in the near future, covers all models of the 7-10A.

The carburetor and other changes new to the 14- level are listed (by Figure) and indicated by a dash (-) preceding the changed part number as follows:

Figure 1.

Item 11	P/N 102761, Screw, changed to P/N 110865 (all levels).
Item 13	P/N 61678, Plug - Nut retainer, changed to P/N 89727, Plug - Retainer (all levels). This is a threaded retainer for the screws, Item 11, and the nuts are not used.
Item 46	P/N 87815, Cover - Fuel tank, added for models with serial numbers prefixed 14-. The cover does not have the cut-out for the carburetor needle boot.

Figure 2.

Item 1A	P/N 105490, Washer, used as a rope retainer for the starter handle instead of an insert.
Item 2	P/N 87851, Handle - Starter, added for the 14- level.

Figure 3.

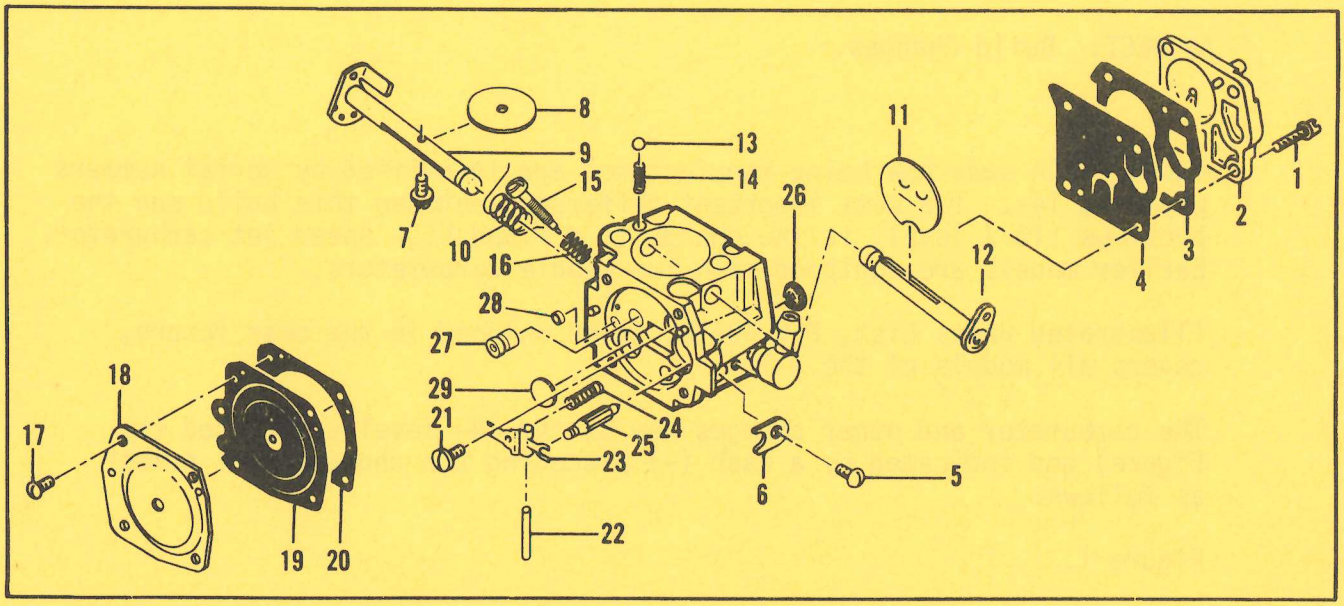
Item 5	P/N 101056, "O" Ring, changed to P/N 105614 (all levels).

Figure 6.

P/N 87809, Carburetor Assembly, added for the 14- level. (See page 2.)

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Item No.	Part Number	Description	Units Per Assy
	87809	Carburetor Assy	1
1	52933	. Screw - Pump cover	4
2	66628	. Cover - Pump	1
3	66629	. Gasket - Pump cover	1
4	*66630	. Diaphragm - Fuel pump	1
5	48780	. Screw - Throttle shaft clip	1
6	66646	. Clip - Throttle shaft	1
7	*48780	. Screw - Throttle plate	1
8	51720	. Plate - Throttle	1
9	87922	. Shaft Assy - Throttle	1
10	*67136	. Spring - Throttle shaft	1
11	65856	. Plate - Choke	1
12	83725	. Shaft Assy - Choke	1
13	100071	. Ball - Choke friction	1
14	48759	. Spring - Choke friction	1
15	88768	. Needle - Idle mixture	1
16	*66626	. Spring - Idle mixture needle	1

Item No.	Part Number	Description	Units Per Assy
17	61725	. Screw - Diaphragm cover	4
18	83724	. Cover - Diaphragm	1
19	*66632	. Diaphragm - Metering	1
20	66633	. Gasket - Diaphragm	1
21	*66644	. Screw - Inlet lever pin	1
22	*66636	. Pin - Inlet lever	1
23	*66638	. Lever - Inlet	1
24	*66404	. Spring - Inlet lever	1
25	66637	. Needle - Inlet	1
26	*66623	. Screen - Fuel inlet	1
27	88772	. Jet - High speed fuel (.028")	1
	88771	Jet - H/S fuel (.029")	Alt.
	88780	Jet - H/S fuel (.026")	Alt.
	88781	Jet - H/S fuel (.027")	Alt.
28	52928	. Plug - Cup	1
29	*66622	. Plug - Welch	1
	*88774	Gasket Set	
	88775	Repair Kit	
	88776	Gasket & Diaphragm Set	

*Indicates parts included in Repair Kit, P/N 88775.

Figure 7.

Item 47 P/N 101056, "O" Ring, changed to P/N 105614 (all levels).
Item 51A P/N 110921, Washer, added for all levels.
Item 61 P/N 24236, Washer, changed to P/N 100003 (all levels).
P/N 83786, Pump Assy - Pulse, changed to P/N 89115 (all levels).
Item 64 P/N 104001, "O" Ring, changed to P/N 105603 (all levels).

Service Specifications

Spark Plug Gap: .025 inch (.63 mm)
Lamination Gap: .010 to .015 inch (.25 to .38 mm)
Breaker Poing Gap: .018 inch (.46 mm)
Timing: 26° BTDC
Carburetor Adjustment (Fixed High Speed Jet)
Idle Needle Preliminary adjustment - 1 turn open
Main mixture (fixed)

0 to 4000 feet	(0 to 1220 m)	Jet No. 029
3000 to 5500 feet	(915 to 1667 m)	Jet No. 028
4500 to 8000 feet	(1372 to 2439 m)	Jet No. 027
7000 feet and Up	(2134 m and Up)	Jet No. 026

Clutch Engagement Speed - 2400 to 2800 R.P.M.
Torques

Connecting Rod Screws:	65 to 70 inch/pounds	(74.88 to 80.64 cm/kg)
Clutch Nut:	160 to 170 inch/pounds	(184.32 to 195.84 cm/kg)
Flywheel Nut:	240 to 300 inch/pounds	(276.48 to 345.60 cm/kg)

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