McCULLOCH SERVICE BULLETIN

NO. 1600

MODEL SP 81 Chain Saw DATE March 22, 1976

SUBJECT Serial Number Prefix (14-) Improvements.

SP 81 Chain Saws now being manufactured are identified by Serial Number Prefix (14-). Illustrated Parts List, P/N 92049, is being shipped to your distributorship at this time for use when servicing this model and previous prefix (11-) and (12-) models. This IPL replaces IPL, P/N 89883, and addendum, P/N 91645R2.

Improvements included in this model are:

1. SP 81 piston and cylinder assemblies are now being selectively matched to provide the best fit between the cylinder bore and piston. Service Bulletin #1603 covers this subject in detail.

2. A carburetor which has both low and high speed mixture needles is being used to replace the fixed jet carburetor used on previous models. The use of this carburetor requires that a different fuel tank be used which will permit adjustment of the carburetor needles without removing the air cleaner cover.

3. The breaker box and cover have been modified so that a washer and screw could be added. Service Bulletin #1595 previously explained the advantages of adding the washer. The addition of the screw provides better retention and sealing of the breaker box cover.

4. The chain oiling system has been improved greatly. Service Bulletin #1602 gives a detailed explanation of these improvements.

5. A reed type cover and valve assembly is being used in the muffler. This will reduce the noise level by 3 to 4 db.

6. The port boot has been redesigned to increase its durability and to provide better fuel distribution.

Information concerning parts used in the SP 81 (14-), which were not in the previous SP 81 Illustrated Parts List, is presented in the following table.

IPL Location	Part No.	Description	Quantity Per Unit	Mfg. Sugges. List Price	Stock Code
Fig. 1	*89673	Brace-Frame	1	8.15	A
Fig. 1	85850A	Cover Asy - Air cleaner	1	6.35	A
Fig. 1	91515	Nameplate	1	.55	A
Fig. 1	87871	Screw - Special	3	.13	A
Fig. 1	67944	Spring - Hose	1	.70	A
Fig. 2	91278	CHAIN BRAKE Asy	1	21.95	A
Fig. 3	87670	Rope - Starter	1	.80	A
Fig. 3	*87689	Drum - Starter	1	4.60	A

*These items are incorrectly listed in IPL 92049. Please change part numbers in IPL to those listed above.

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IPL Location	Part No.	Description	Quantity Per Unit	Mfg. Sugges. List Price	Stock Code
Fig. 4	87888A	Tank Asy - Fuel	1	38.10	A
Fig. 4	69629	❶ Boot - Carburetor controls	1	1.20	B
Fig. 4	85901	❶ Boot - Carburetor controls	1	1.25	A
Fig. 6	87821	❷ Carburetor Asy	1	28.60	B
Fig. 7	85916	❷ Carburetor Asy	1	30.05	A
Fig. 8	91578	Mount - Rear	1	4.10	A
Fig. 8	88834A	Boot - Port	1	1.25	A
Fig. 8	86314A	Shroud - Lower	1	7.55	A
Fig. 8	88804	Pivot - Pawl	2	.26	A
Fig. 8	100106	Key - Woodruff	1	.17	A
Fig. 8	87246A	Coil & Lamination Asy	1	16.15	A
Fig. 8	100268	. Grommet	1	.18	A
Fig. 8	91852	Kit - Breaker box and cover	1	1.85	A
Fig. 8	110489	. Screw - Pan hd 6-32 x .43	1	.10	B
Fig. 8	91838	. Washer - Special	1	.20	A
Fig. 9	91582	Mount - Front	1	4.10	A
Fig. 9	91219	Plunger - Pump	1	.65	A
Fig. 9	91218	Body - Oil pump	1	5.85	A
Fig. 9	91669	Gasket - Oil pump	1	.15	A
Fig. 9	91668	Valve - Oiler	1	.15	A
Fig. 9	91672	Hose Asy - Oil	1	1.20	A
Fig. 9	91774	Sleeve	1	.20	A
Fig. 9	91259	Pad - Oil pump	1	.15	A
Fig. 9	92450	Kit - Cyl., C/case, piston	1	68.95	A
Fig. 9	92518	❸ . Piston Asy (Identified A)	1	15.70	A
Fig. 9	92519	❸ . Piston Asy (Identified B)	1	15.70	B
Fig. 9	92520	❸ . Piston Asy (Identified C)	1	15.70	A
Fig. 9	110861	Screw - Skt hd 10-24 x 1-1/2	2	.14	A
Fig. 9	84581	Kit - Cover & Valve Asy	1	8.70	A
Fig. 9	110472	. Screw - Skt hd 8-32 x 5/16	2	.17	B
Fig. 9	87193	. Stop - Reed	1	1.05	A
Fig. 9	85585	. Valve - Reed	1	2.20	B

❶ Optional boots: P/N 69629 is used with Carburetor, P/N 87821, and P/N 85901 is used with Carburetor, P/N 85916.

❷ Optional carburetors: P/N 87821 is an SDC 38A and P/N 85916 is an HS 111A.

❸ Selective fit piston assemblies: Cylinder, Crankcase, and Piston Kit, P/N 92450, will include one of these three pistons.

McCULLOCH CORPORATION
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