McCULLOCH CORPORATION
SERVICE BULLETIN 1542

MODEL: SP 125C August 5, 1973

SUBJECT: PARTS CHANGES AND SPECIFICATIONS

Model SP 125C saws (Model No. 600076), now being manufactured, carry serial numbers prefixed 13-. The basic difference between the SP 125C (13-) and SP 125 saws with serial numbers prefixed 10-, 11-, and 12- is a change to a chrome bore cylinder and a new service Crankcase Assembly, P/N 88738.

The SP 125 Illustrated Parts List, P/N 87295, may be updated to cover this and related changes as well as other more recently made effective as follows:

Cover - Add Model SP 125C and serial number prefix 13- to Models 600076A, B, D, and J.

Page 3, Figure 1
Add Washer, P/N 86366, between Items 6 and 7 for spacing the clutch away from the clutch drum.
Item 53, P/N 86116, Nameplate, add P/N 89349, for SP 125C

Page 4, Figure 2
Item - P/N 86466, Clutch Assy, change to P/N 88820
Item 16, P/N 86465, Shoe - Clutch, change to P/N 88817

Page 11, Figure 7
Item 5, P/N 59445, Decal - Oiler, change to P/N 89350
Item - P/N 83135, Pump Assy, change to P/N 89498.

Page 15, Figure 9
Item 35, P/N 66016, Bearing - Ball, change to P/N 110883
Item 38, P/N 85145, Crankcase Assy, add P/N 88738 for SP 125C

Accessories - Oversize piston and ring sets cannot be used with Crankcase Assy, P/N 88738, and do not apply to the SP 125C saw (serial numbers prefixed 13-).

Do not use chrome faced piston rings as replacements in the SP 125C!

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SERVICE SPECIFICATIONS

Spark Plug - AC CS 42 T standard
AC CS 41 T alternate (colder)

Spark Plug Gap - .025 in. (0.63 mm)

Lamination Gap - .007 to .012 in. (0.18 to 0.30 mm)

Breaker Point Gap - .018 in. (0.46 mm)

Timing - 26° BTDC

Carburetor Adjustment
Idle Mixture - 1 turn open (preliminary)
Main - Fixed high speed jet
0 - 4000 feet - .029 (P/N 88771)
3000 - 5500 feet - .028 (P/N 88772)
4500 - 8000 feet - .027 (P/N 88781)
7000 and Above - .026 (P/N 88780)

Note: Whenever changing jets, always press into the carburetor body .010 to .020 in. below the floor of the casting.

Clutch Engagement Speed - 2400 to 2800 RPM

Torque Values
Connecting Rod Screws - 105 to 110 in. lbs. (120 to 127 cm/kg)
Clutch Nut - 340 to 360 in. lbs. (392 to 416 cm/kg)
Flywheel Nut - 375 to 425 in. lbs. (432 to 490 cm/kg)

Notice that in the recommendations for high-speed jet sizes there are altitudes at which more than one jet size may be used. It is important to use the jet which limits the RPM, free running (with bar & chain) to 10,800 RPM at wide open throttle.

All SP 125C's produced after serial number 11482 are equipped with an .029 jet as standard equipment. In addition, all service carburetors, P/N 87288, now being shipped have an .029 jet as standard equipment.

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By Jack Carroll
Service Manager