McCULLOCH CORPORATION

SERVICE BULLETIN

1533

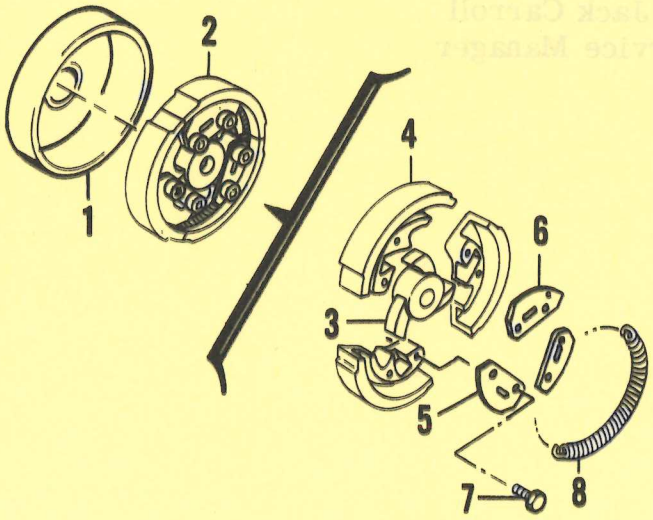
MODEL: SP 80

January 19, 1973

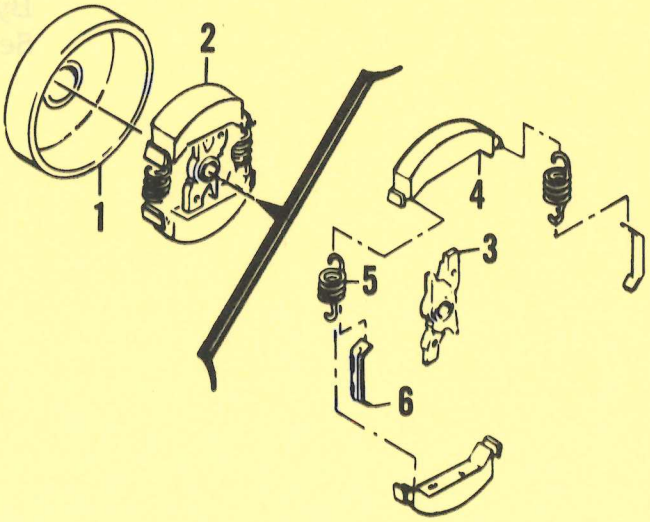
SUBJECT: CLUTCH CHANGE

Clutch spring breakage on the SP 80 has been a problem in some areas where there is more than normal spring flexing because of high speed limbing operations or relatively small diameter cutting. To eliminate this problem, SP 80 saws are now being manufactured with 2-Shoe clutch assemblies instead of the original 3-Shoe clutch assemblies. This change also requires a change in the clutch drum. Parts changes are shown below:

3-Shoe Clutch



2-Shoe Clutch



Item	Part No.	Description		Item	Part No.	Description	
1	86394	Drum	(1)	1	#86947	Drum	(1)
2	86464	Clutch Assy	(1)	2	*87675	Clutch Assy	(1)
3	85397	. Rotor	(1)	3	*87676	. Rotor	(1)
4	86465	. Shoe	(3)	4	67233	. Shoe	(2)
5	85363	. Plate	(2)	5	83223	. Spring	(2)
6	86409	. Plate	(1)	6	64583	. Retainer	(2)
7	110850	. Screw	(6)				
8	86079	. Spring	(1)				

* The 2-Shoe Clutch Assembly, P/N 87675, and its Rotor, P/N 87676, does not use or have provision for use of a Woodruff key. The clutch retaining nut should be

Copyright 1972 by McCulloch Corporation

LITHO IN U.S.A.

torqued to 185 to 195 inch/pounds. Do not attempt to substitute a keyed clutch (rotor with keyway) on the SP 80 engine.

P/N 86947 is the drum used in drum and sprocket assembly, P/N 86942.

Changes from the 3-Shoe to the 2-Shoe clutch on the SP 80 are effective as follows:

Models: 600435A, 600435B, 600435S
All saws with serial number prefix 14-.
Model: 600435J
All saws with serial number prefixes 13- and 14-.
Model: 600435D
Saws with serial number prefixed 14-, serial numbers 12001 & up.

McCULLOCH CORPORATION

By Jack Carroll
Service Manager