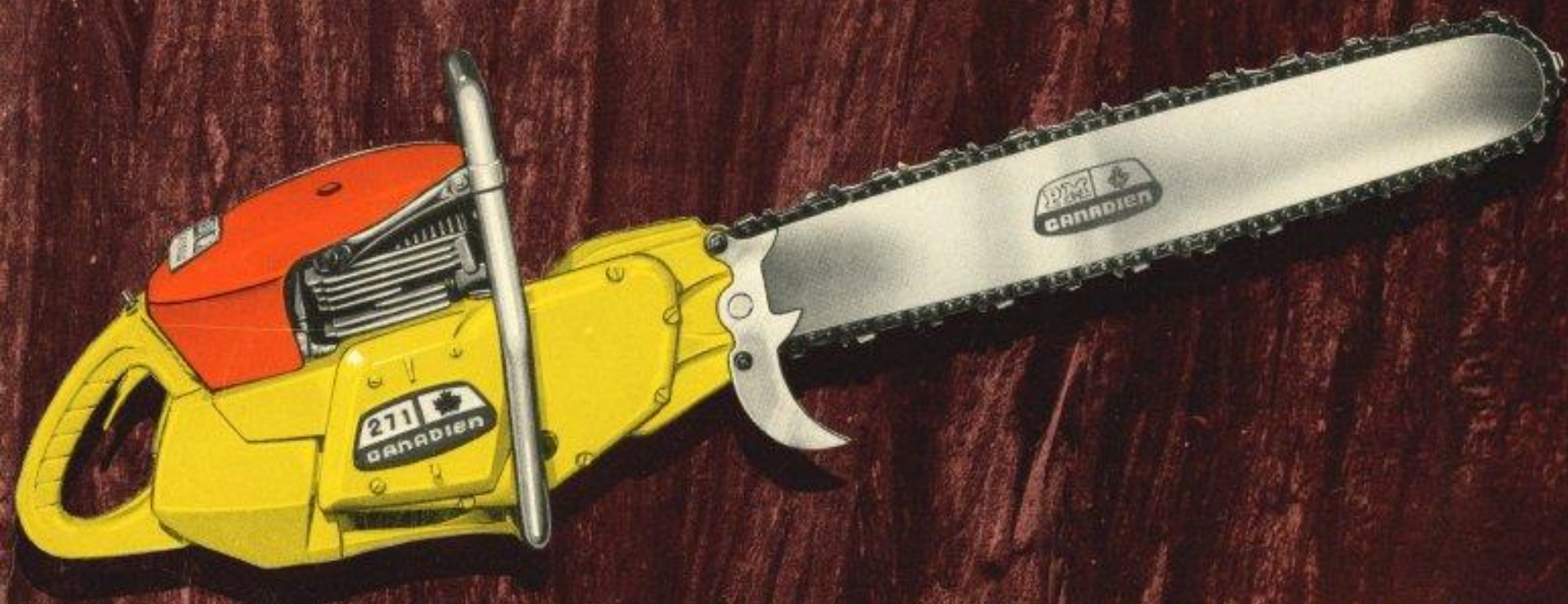


For really tough cutting



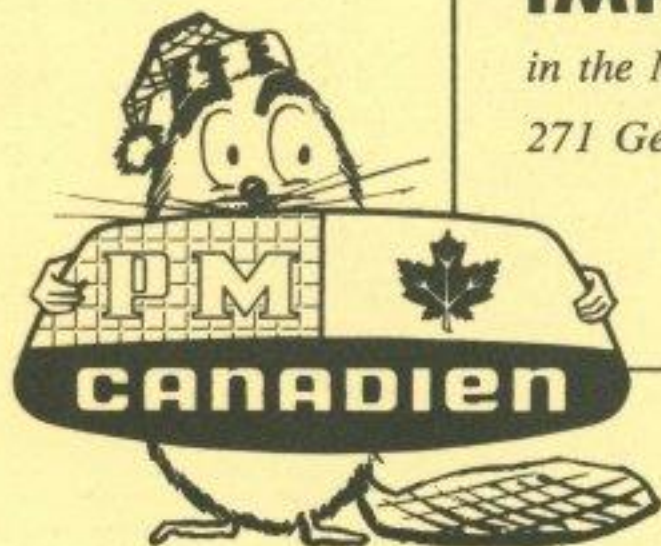
CANADIEN 271
GEAR DRIVE CHAIN SAW

CANADIEⁿ 271

GEAR DRIVE CHAIN SAW

MANUAL

IMPORTANT! *The information contained in the Model 270 Manual is also applicable to the Model 271 Gear Drive Chain Saw, with the exceptions noted in this insert. Please read carefully in conjunction with the Model 270 Manual*



MODEL 271 USERS . . . Please note the following exceptions and amendments to the Model 270 Manual:

1 *Add to instruction on Page 4:*

"On Model 271, check gear box oil level at regular intervals."

2 *Add to instructions on Page 5:*

"Ensure transmission is filled to oil level plug with SAE 10-20 lubricating oil. Up to SAE 30 oil can be used in climates where temperatures are consistently high."

3 *Add to instructions on Page 7:*

"The oil tank air vent on the Model 271 is located in the chain oil tank cover."

4 *Add to instructions on Page 14:*

"The chain used on the Model 271 is $\frac{1}{2}$ " pitch. Use $\frac{1}{4}$ " round file.

5 *Add to instructions the following:*

"To change gear ratio—Either of two gear ratios is possible: 3-1 or 2-1. Machines from the factory are assembled 3-1 as standard. The ratio, however, can easily be changed by a competent service man by reversing the idler and sprocket shaft gears, part nos. 22140 and 22141."

Lubrication and servicing of gear transmission

(a) Use good grade of SAE 10-20 lubricating oil. Up to SAE 30 can be used where temperatures are consistently high.

(b) Change oil in gear case at least once every two months.

(c) Always keep gear oil at proper level.

(d) To fill gear case, first remove 10192 oil level plug and with machine sitting in an upright position add clean lubricating oil to the gearcase. Fill until oil runs out of oil plug hole 10192. Let machine sit until oil stops draining and replace plug.

Note: This procedure should be followed whenever oil is added, to ensure against over or under filling.

(e) If at any time gears become noisy or gearcase becomes extremely hot, have saw checked by your dealer.

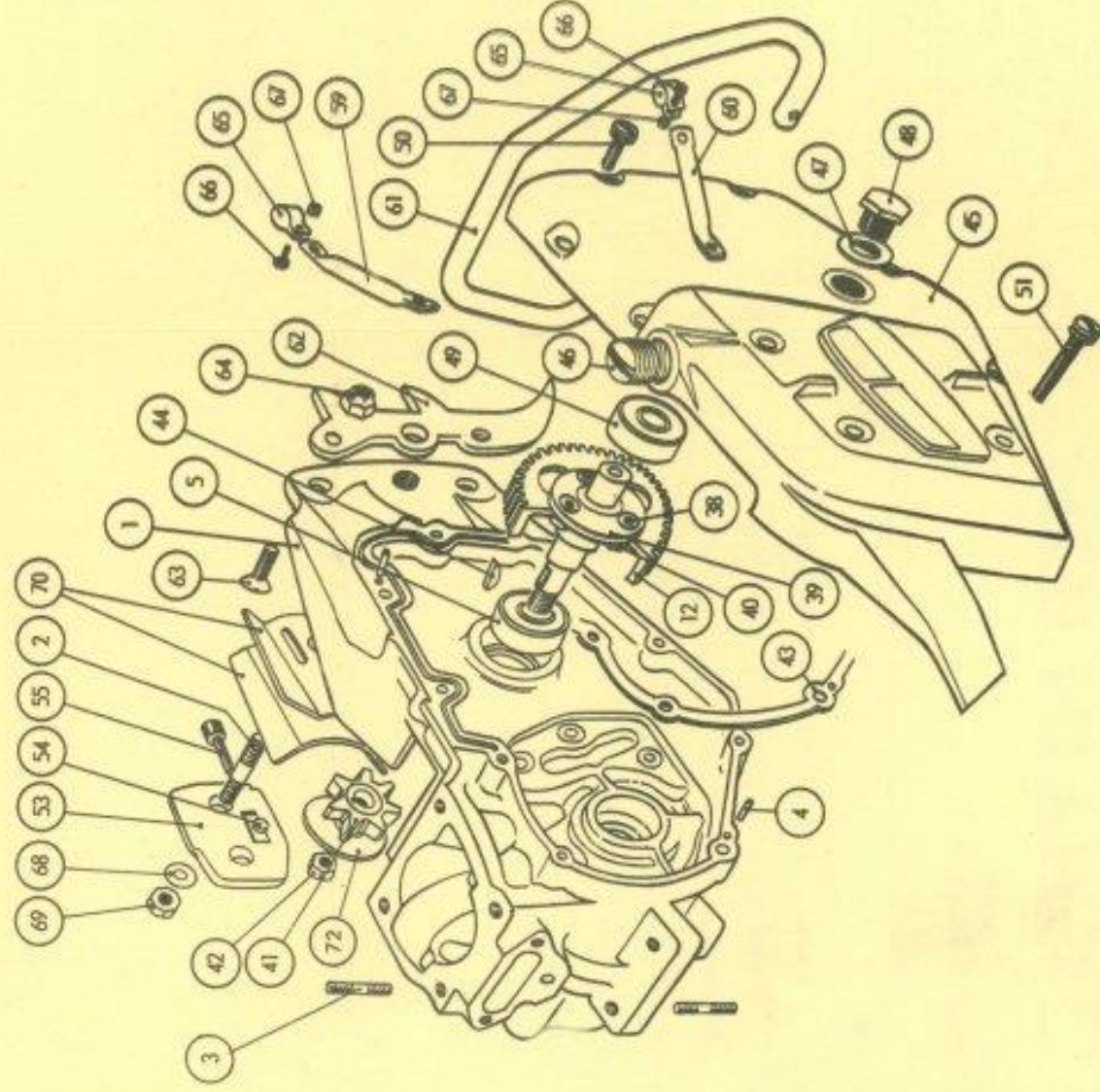
Illustration Changes from Model 270 Manual

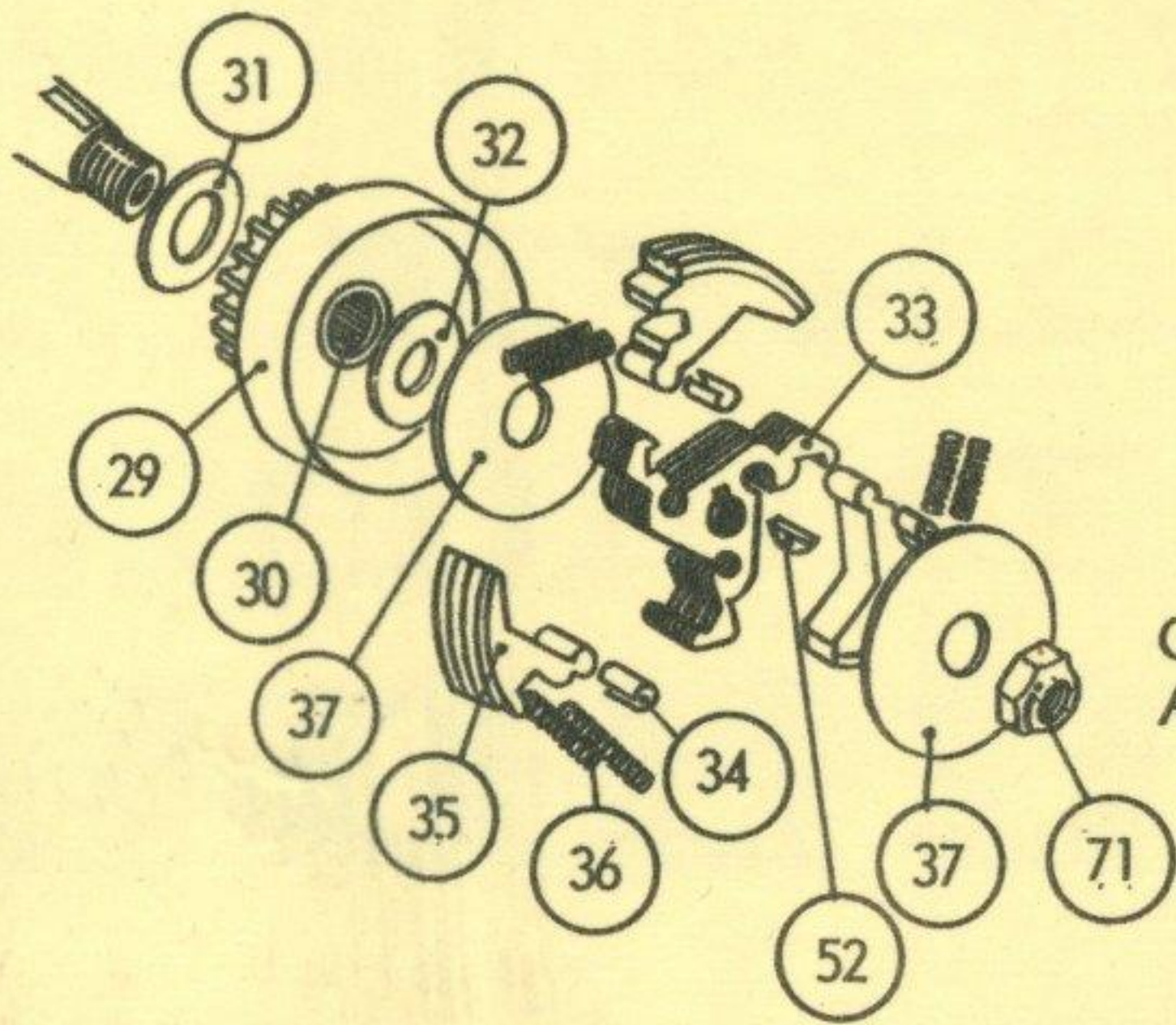
Transmission addition on Model 271 is illustrated below. Other changes on individual items are as follows:

Page 31: GAS TANK—the brace 270329 is replaced by 271329 brace to fan housing and 271330 brace to cylinder head. Also add 700814SC Screw Base to Fan housing. Delete 270220, Snow Guard.

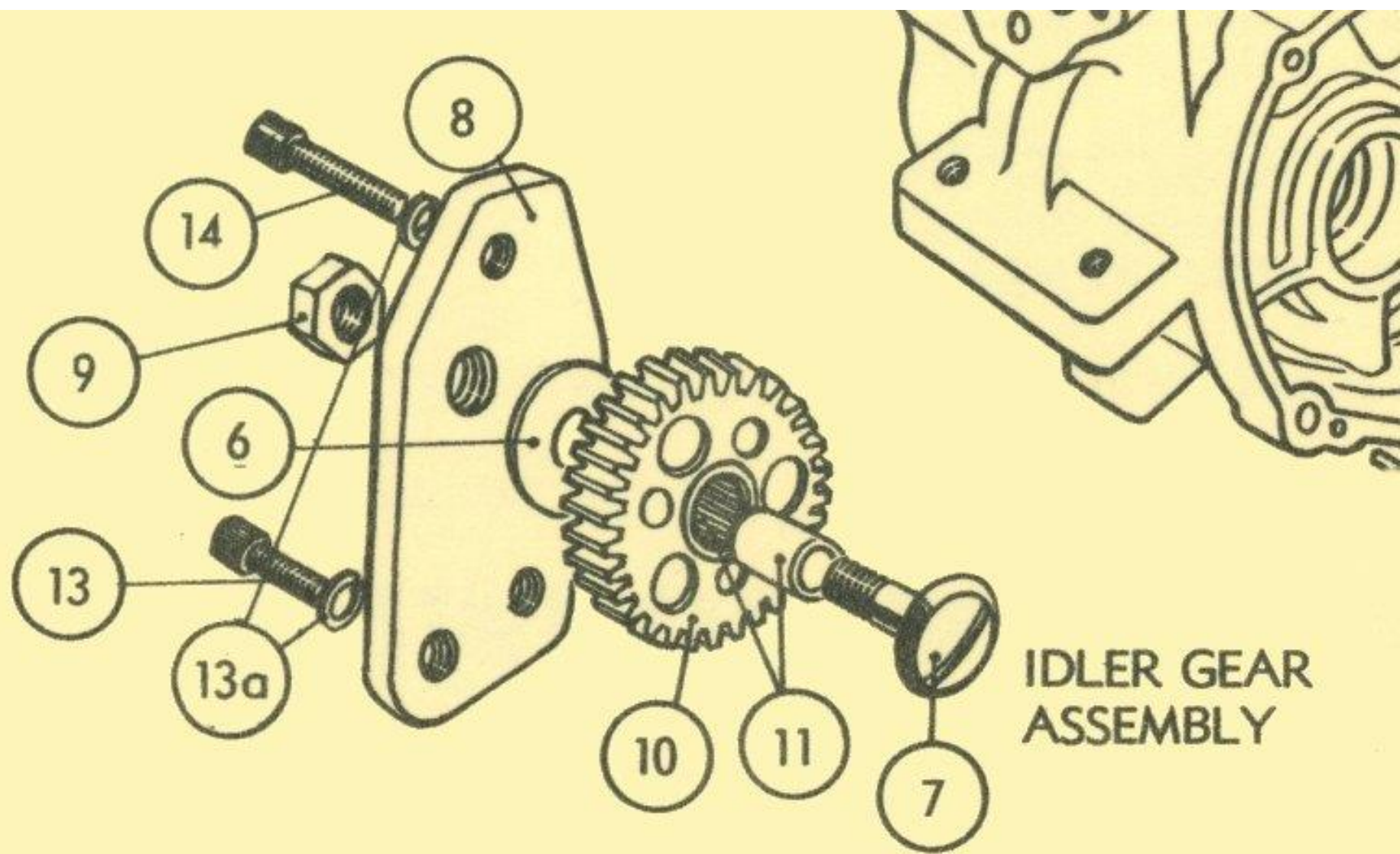
Page 31: OUTER SHROUD ASSEMBLY 270640 becomes 271640.

Page 33: CRANKCASE ASSEMBLY 270602 becomes 271602.

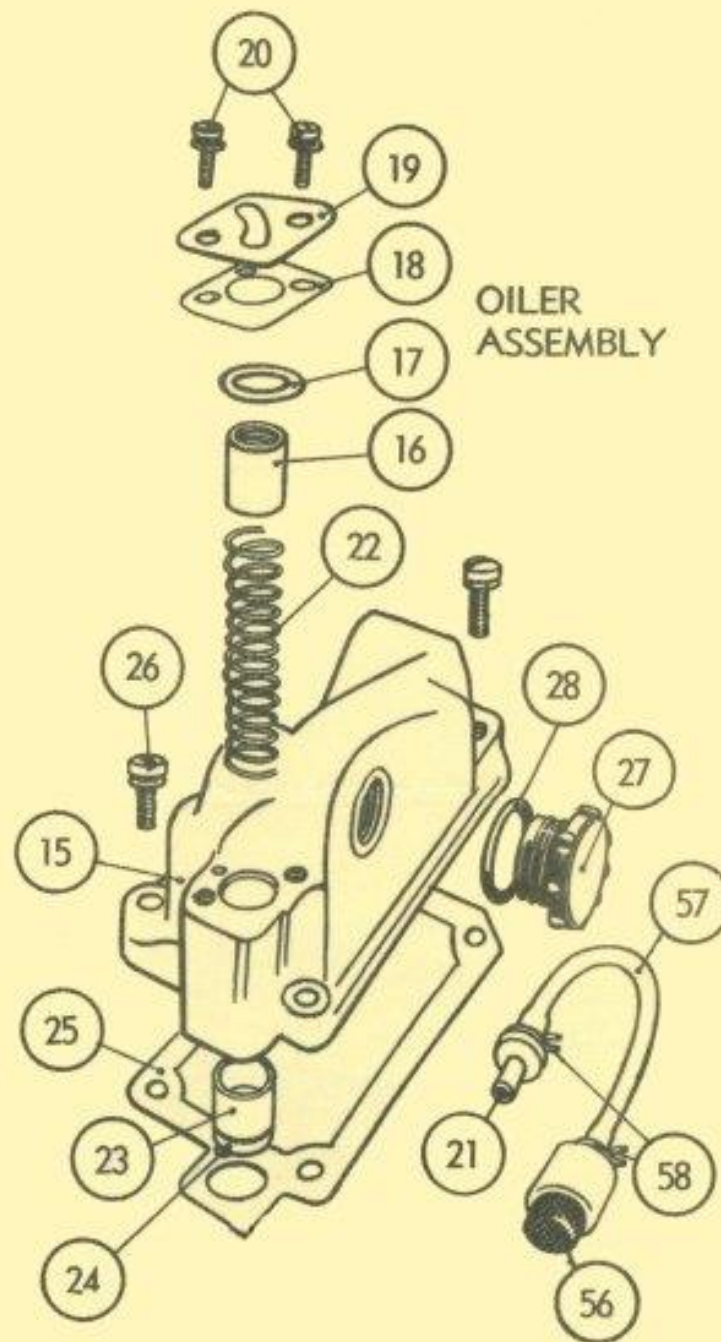




CLUTCH
ASSEMBLY



IDLER GEAR
ASSEMBLY



Item No.	Part No.	Description
1	271602	Crankcase Ass'y c/w Studs
2	270013	Stud—Bar (2 used)
3	270023	Stud—Cyl. Base (4 used)
4	16057	Dowel (2 used)
5	271018	Bearing—Drive Shaft—Crankcase
6	22147	Washer—Idler Bearing Spacer
7	271143	Bolt—Idler Gear
8	271142	Mounting Plate—Idler Gear
9	850165 L.H.	Nut—Idler Bolt (L.H.)
10	271615	Idler Gear 22140 c/w Bearing
11	22115	Bearing & Race-Idler Gear
12	22141	57 Tooth Gear
13	761064	Short Screw—Gear Mounting Plate (2 used)
13a	854214	Spring Lock Washer (3 used)
14	762064	Long Screw—Gear Mounting Plate
15	271635	Oil Tank Cover Ass'y
16	271636	Oil Cartridge Ass'y
17	16061	'O' Ring—Cartridge
18	271252	Gasket—Valve Plate
19	271254	Cover Plate—Oil Valve
20	725810 C	Screw—Valve Plate to Cover (2 used)
21	270253	Connector—Oil Pickup
22	16513	Spring—Piston
23	270260	Piston—Oil Pump
24	16061	'O' Ring—Oil Piston
25	271251	Gasket—Oil Tank Cover
26	726210 i	Screw—Oil Tank Cover (4 used)
27	271255	Oil Filler Cap
28	271258	Gasket—Oil Filler Cap
29	271645	Clutch Drum Ass'y c/w Brg.
30	270353	Bearing—21 T. Gear
31	19029	Washer—Inside Thrust
32	19035	Washer—Outside Thrust
33	270643	Clutch Driver Ass'y c/w Shims
34	270369	Sleeve—Clutch Shoe Shim (3 used)
35	271646	Clutch Shoe Ass'y (3 used)
36	270363	Spring—Clutch (6 used)
37	270364	Side Plate—Clutch (2 used)

35	271646	Clutch Shoe Ass'y (3 used)
36	270363	Spring—Clutch (6 used)
37	270364	Side Plate—Clutch (2 used)
38	750864	Screw—Sprocket Shaft to Gear (3 used)
39	22138	Sprocket Shaft
40	850464	Nut—Sprocket Shaft to Gear (3 used)
41	22117 A	½" Pitch Sprocket 7 Tooth *
42	850468	Nut—Sprocket Shaft
43	271021	Gasket—C/Case to Gear Box Cover
44	856505	Key—Sprocket
45	271019	Cover—Gear Box
46	22121	Filler Plug—Gear Oil
47	13183	Fibre Washer—Level Plug
48	10192	Level Plug—Gear Box Cover
49	271020	Bearing—Drive Shaft to Gear Box Cover
50	726210	Screw—Short-Gear Box Cover to Crankcase (6 used)
51	728010	Screw—Long-Gear Box Cover to Crankcase (3 used)
52	856405	Key—Clutch
53	271666	Guide Bar Pad Ass'y c/w Adjuster
54	270649	Adjuster Ass'y
55	737814 S	Screw—Chain Adjusting
56	21125	Oil Pickup Head Ass'y
57	270270	Hose—Oil Pickup
58	271271	Clip—Oilier Tube (2 used)
59	271329	Brace—Handle to Fan Housing
60	271330	Brace—Handle to Cylinder Head
61	270325	Front Handle
62	270340	Bucking Spike—Western
63	741464	Screw—Bucking Spike (2 used)
64	850364	Nut—Bucking Spike (2 used)
65	270328	Clamp—Front Handle (2 used)
66	700814 C	Screw—Clamp (2 used)
67	850414 C	Nut—Clamp Screw (2 used)
68	855916 C	Washer—Bar (2 used)
69	850066 C	Nut—Bar (2 used)
70	21123	Guide Plate (2 used)
71	850467 L.H.	Nut—Crankshaft (2 used)
72	271349	Sprocket Side Plate

* Note: Alternate sprockets

22155 A

.404 Pitch 9 Tooth Sprocket

22136 A

$\frac{9}{16}$ Pitch 6 Tooth Sprocket