MODEL 5-30

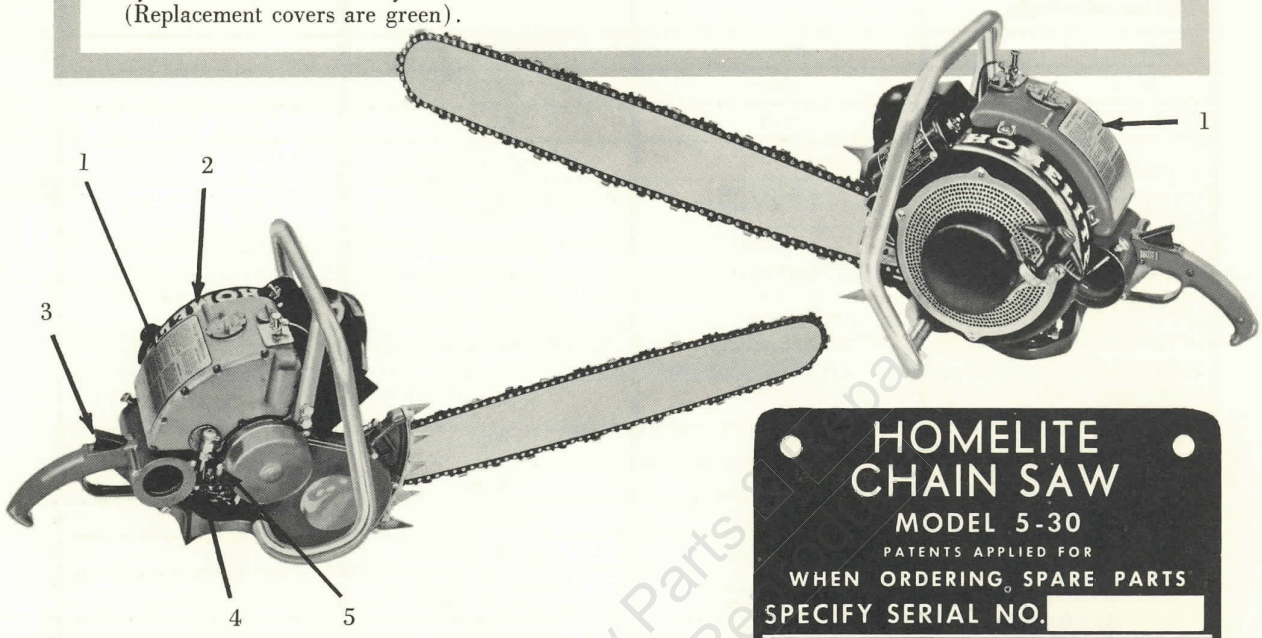
Original 5 h.p. Diaphragm Carburetor Chain Saw Introduced August, 1953
Superseded August, 1954 by Model 5-30N

COLORS: Red with Black Air Shroud, Cylinder Shield and Pulley Cover. (Replacement covers are green).

MODEL 5-30N

Replaced Model 5-30 in production, August, 1954

COLORS: Red and Black (same as 5-30).



1. Name plate located on air shroud at cylinder.
   Model No. 5-30
   Serial No.
2. Tank with crankcase pressure line, also has pressure relief line with check valve.
3. Pistol grip with throttle trigger on top, first introduced with this saw.
4. Brass fuel line connected directly to carburetor inlet connection.
5. TILLOTSON Model H-6A Diaphragm Carburetor does not have a fuel pump.

Name Plate: Model Number is stamped 5-30N
Serial Number

Early models have TILLOTSON HP-6B fuel pump diaphragm carburetor. Brass fuel line connects to pump inlet. Later models have 1-CS or HP-19B carburetor with quick-connect flexible fuel line to pump inlet; pulse line through intake manifold.

Fuel cap has vent hole and pressure relief valve similar to Models 17, 5-20 and EZ. Pressure and pressure relief lines eliminated from fuel tank.

UNIT SPECIFICATIONS

	MODEL 5-30	5-30N(1)	5-30N(2)
BASIC STYLE	2-Piece Crankcase with separate drivecase	2-Piece Crankcase with separate drivecase	2-Piece Crankcase with separate drivecase
TRANSMISSION			
Type	Belt	Belt	
Ratio	2.75:1	2.75:1	
Sprocket Pitch/No. of Teeth	½"-8	9/16"-7	
	9/16"-7	½"-8	
Chain Oil Reservoir	Integral fuel tank and chain oil reservoir	Integral fuel tank and chain oil reservoir	
Reservoir Capacity	5.58 ounces	5.58 ounces	
STARTER TYPE	Ball Drive	Ball Drive	
Rotation (from starter side)	Counterclockwise	Counterclockwise	
ENGINE			
Bore	2-7/16"	2-7/16"	
Stroke	1½"	1½"	
Displacement—cu. in.	6.97	6.97	
Main Bearing I.D.	.9843/.9839	.9843/.9839	
Seal—Magneto Side	Single Garlock	Single Garlock	
Seal—Main Bearing	Vellumoid Gasket plus Single Garlock	Vellumoid Gasket plus Single Garlock	
Piston Rings—Height Width End Gap	1/16" .113/.103 .070" min.-.075" max.	1/16" .113/.103 .070" min.-.075" max.	
Governor Type	Rotary	Rotary	
Peak horsepower at	4800-5000 RPM	4800-5000 RPM	
IGNITION SYSTEM			
Spark Plug	HO-3	HO-3	
Spark Plug Gap	.025"	.025"	
Type Magneto	Wico	Wico	
Breaker Point Setting	.020"	.020"	
Primary Coil Resistance	.55 ohms	.55 ohms	
Secondary Coil Resistance	5500-6000 ohms	5500-6000 ohms	
Condenser Capacity	.16-.20 mfds.	.16-.20 mfds.	
FUEL INDUCTION SYSTEM			
Tank Construction	Integral fuel and chain oil compartments	Integral fuel and chain oil compartments	
Fuel Capacity	47 ounces	47 ounces	
Fuel Feed	Pressure-Gravity	Pump w/ball checks	Pump w/flapper valves
Type Carburetor	Diaphragm	Diaphragm	Diaphragm
Model	H-6A	HP-6B	1-CS or HP-19B
May be replaced with	HP-19B (after conversion)		HP-19B
Air Filter	Skinner	Skinner	
Type Intake Valve	Rotary	Rotary	

BLANK SPACES IN THIS COLUMN SAME AS LEFT COLUMN