

Instruction Manual

Lombard

BRUSH-CUT ATTACHMENT

Including Parts List and
Sharpening Instructions

BLADE LUBRICATOR

Applies kerosene to blade, diluting
pitch to prevent gumming of blade.
Optional at Extra Cost.

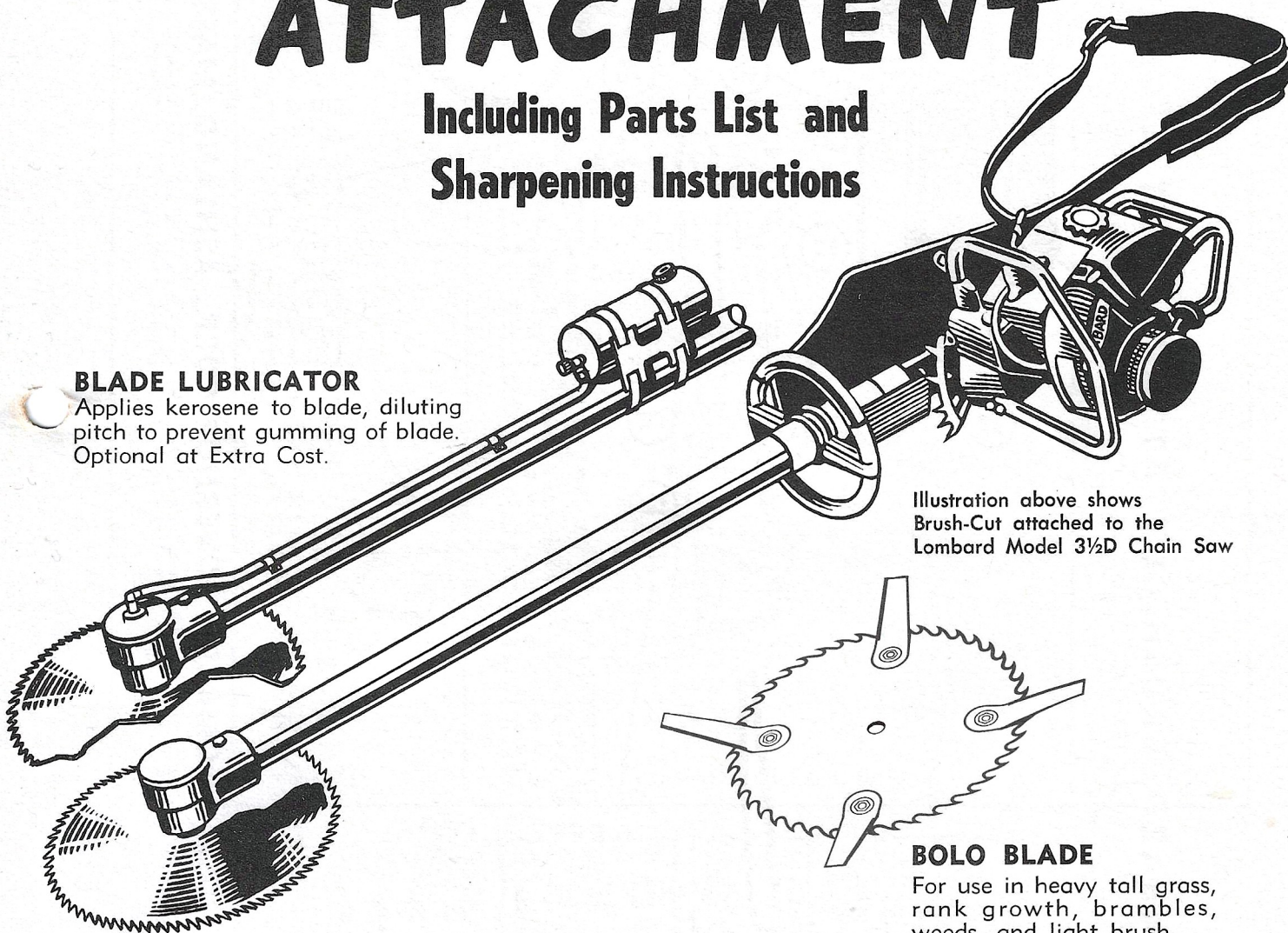


Illustration above shows
Brush-Cut attached to the
Lombard Model 3 1/2 D Chain Saw

BOLO BLADE

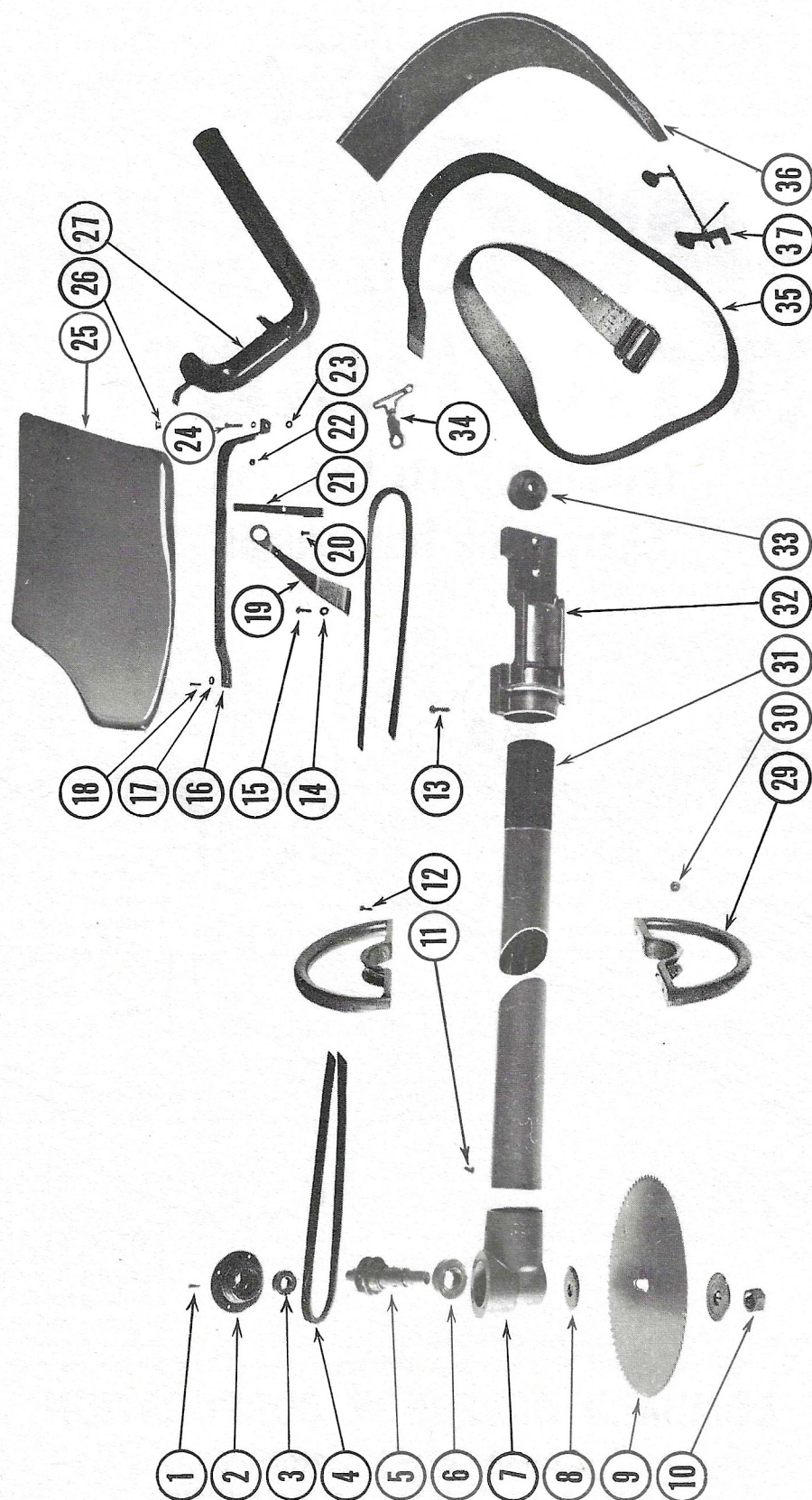
For use in heavy tall grass,
rank growth, brambles,
weeds, and light brush.

LOMBARD GOVERNOR CORPORATION

CHAIN SAW DIVISION

ASHLAND, MASSACHUSETTS

LOMBARD BRUSH-CUT ATTACHMENT ASSEMBLY BC-30



LOMBARD GOVERNOR CORP., ASHLAND, MASS.

PARTS LIST BC-30

For Lombard Brush-Cut Attachment Assembly

Item No.	Part No.	Part Name	Qty. Per Unit
1	PS-213	Screw—Flat Hd. 10-24 x 5/8" Long	4
2	BC-21	Cover—Head	1
3	PB-116	Ball Bearing	1
4	PM-184	V Belt	1
5	BC-3	Shaft—Pulley Assembly	1
6	PB-118	Ball Bearing	1
7	BC-20	Head	1
8	BC-24	Collar	2
9	PM-186-187-188 PM-203-204-205	Saw Blade *	1
10	PN-110	Nut—Hex—3/4"—16 L.H.	1
11	PM-201	Rivet 1/4" x 3/8" Rd. Hd.	2
12	PS-409	Screw—Hex Hd. 1/4"-20 x 1/2" Long	4
13	PS-103	Screw—Socket Hd.—1/4"-20 x 1" Long	2
14	PW-204	Lockwasher—1/4"	2
15	PS-410	Screw Hex Hd. 1/4"-20 x 3/4" Long	2
16	BC-11	Lower Guide Plate Brace	1
17	PW-203	Lockwasher #10	3
18	PS-129	Screw—Rd. Hd. #10-24 x 5/8" Long	4
19	BC-13	Suspension Eye	1
20	PM-200	Rivet 3/16" x 3/8" Long Rd. Hd.	1
21	BC-12	Upper Guide Plate Brace	1
22	PN-107	Nut—Hex #10-24	2
23	PW-108	Washer—Flat #10	1
24	PS-127	Screw—Socket Hd. #10-24 x 1 1/4" Long	1
25	BC-15	Guide Plate	1
26	PM-191	Rivet 1/4" x 1/4" Long Truss Hd.	3
27	BC-14	Exhaust Deflector	1
29	BC-18	Hand Ring	2
30	PN-102	Nut—Hex. 1/4"-20	4
31	BC-19	Drive Tube	1
32	BC-10	Mounting Bracket	1
33	BC-29	Driving Pulley	1
34	PM-198	Drum Snap	1
35	BC-26	Belt	1
36	BC-28	Pad	1
37	YS-2261	Throttle (For 3 1/2 D and 3A Only)	1

* Part No.	Dia. of Blade	No. Teeth	Description
PM-186	10"	80	Cutoff
PM-187	12"	80	Cutoff
PM-188	14"	100	Cutoff
PM-203	10"	44	Combination
PM-204	12"	44	Combination
PM-205	14"	44	Combination

CAUTION: When ordering, include part number, part name and quantity desired.

Ask your Dealer for parts and prices

MOUNTING INSTRUCTIONS FOR LOMBARD BRUSH-CUT ATTACHMENT

1. Remove cutterbar and chain.
2. Remove sprocket and assemble driving Pulley (BC-29) to shaft.
3. Remove by-pass line from crankcase, otherwise, fuel mixture will spray on belt. Remove oil from reservoir.
4. Remove socket screw from extreme lower left of gear case cover.
5. Using screws, (PS-318) and nuts (PN-107) attach Exhaust Deflector (BC-14) to Upper and Lower Guide Plate Braces, (BC-12) and (BC-11). Peen ends of screws to prevent loosening. Fasten resultant assembly to Power Unit. Exhaust should now be directed beneath rear handlebar.
6. Put #10-24 x 1 1/4" long socket head screw (PS-127) into vacant hole in gear case cover using lockwasher (PW-203) under head of screw. Put flat washer (PW-108) under Lower Guide Plate Brace (BC-11).
7. Slide Drive Tube (BC-19) back toward Driving Pulley (BC-23) until "V" belt (PM-184) will go on. Slide Drive Tube forward until correct tension is maintained on belt. Holding tension, tighten screws (PS-103) in Mounting Bracket. Care should be taken that belt makes 90° turn top right inside Drive Tube.
8. Noting rotation of arbor (by arrow on cover of head), put saw blade on with Collar (BC-24) on both sides and, using wrenches, tighten *left hand* nut (PN-110).
9. Put harness (BC-26) (BC-28) (PM-198) over left shoulder and fasten to Suspension Eye (BC-13). Adjust Hand Ring (BC-18) to convenient position.
10. Follow regular instructions for starting power unit.

The above instructions apply to the Lombard Models 35 and 30 with splined shaft.

For Models 3 1/2-D and 3A with splined shafts, follow instructions above adding the following:—

Remove rear cotter pin and washer from throttle link. Remove screws holding throttle clips to gas tank. Slide bushings off throttle. Reassemble, using throttle (YS-2261) which is supplied only when ordered. Unit is now ready to operate.

NOTE: "V" belt (when new) will stretch. Tension should be checked periodically to prevent excessive slipping.

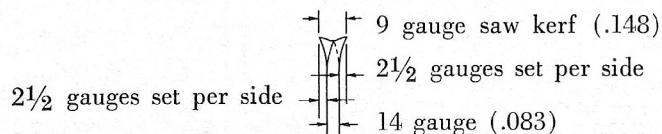
REPLACEMENT OF "V" BELT

1. Remove nut, collars and blade from shaft.
2. Loosen socket head screws in clamp ring of Mounting Bracket. Slide Drive Tube back releasing belt tension, allowing belt to be freed from Driving Pulley.
3. Slide Drive Tube forward and completely out of Mounting Bracket.
4. Remove four flat head screws (PS-213) from cover (head) (BC-21). Pull cover from Shaft-Pulley Assem. (BC-3). Using babbit hammer or wooden block, Drive Shaft-Pulley Assem. from bottom until pulley and belt line up in same plane with belt recess. Push "V" belt from driven end allowing Shaft-Pulley Assem. to be tapped free. Remove this assembly. "V" belt can now be pulled out through Drive Tube. Push new "V" belt into place, taking care to maintain correct rotation, and, reversing above procedure, re-assemble.

BEARING CARE — This unit comes equipped with sealed bearings and requires no lubrication.

INSTRUCTIONS FOR CARE AND SHARPENING OF SAW BLADES

1. Keep saws clean.
Gum or pitch on the sides of saws reduces the clearance and will cause saws to overheat and wobble. To remove gum, wipe with a cloth saturated with gasoline or equivalent.
2. Keep saw collars clean.
Scrape off any dirt or gum and file off any burrs on collars to insure a true running saw.
3. Rounding or Jointing.
File or stone top of teeth until a small flat spot shows on each tooth. This is usually done with the file or stone held firmly in one position at right angles to face of blade. The purpose of this operation is to make the cutting edge concentric with arbor hole.
4. Setting the teeth.
Brush cutting blades are supplied with extra heavy set and care should be taken when sharpening that this set is maintained. The set should be 2 1/2 gauges per side as shown by illustrated example;



SHARPENING REGULAR CUT-OFF SAWS

For filing teeth, use 8" cant saw file, using care to maintain original face and back bevels and angle of teeth. The teeth should be kept uniform in width and shape and gullets should be kept equal in depth and width.