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Resume: Sampler

The following pages are taken from one of the recent projects I have worked on at Tilton Equipment Company, a 372 page product catalog for their “Top Of The Accessory Line” (TOTAL) after-market replacement parts for trimmers, chain saws, pressure washers and other types of power equipment.

The work was done in Corel Ventura, an obsolete PC based page layout program with very limited features by 2002 standards, when it was last updated. Photo editing was done in Photoshop. More complex diagrams were done in a combination of Illustrator or Corel Draw.

All work was reviewed and approved by the various department heads at Tilton Equipment Company; while most of it is my own handiwork, there are some key places where those department heads overrode my preferences.

Page 36: Trimmer heads

A straightforward display page that illustrates the key features of the Tap-n-Go trimmer heads. The image at the bottom is a product shot I took for the page.

Page 92: Saw Chain Explained

A very complex page laid out in Illustrator, converted into an .eps file and imported into Ventura. The exploded view of the saw chain in color I created in Ray Dream Designer, an old 3D rendering program; the other line art I created in Illustrator (top, middle) or scanned and cleaned up from prior company artwork (bottom).

Page 101: Carlton

The segment of saw chain was modified and edited in Photoshop. The logo and Carlton Saw Chain numbering system box were set up in Corel Draw and Illustrator. The “In The Loop” box is a holdover from prior catalogs.

Page 137: Guide Bar Application Chart: J

Much of the catalog is simple parts tables; this page was a bit more complicated because of the extra long specialty guide bars and associated sprocket tips they required.

Page 188: Starter Assemblies | Sprocket Covers

A combination of tables, and my own photography and editing in Photoshop to make the product images pop off the page.

Page 306: Pressure Washers

A “beauty page” layout in Ventura. Both images were heavily edited in Photoshop, to bring widely separated components together and to make the white bottles stand out better on a white background.

TRIMMER HEADS



EASYLoad

Tecomec Tap-n-Go Easy-load Trimmer Heads

These tough trimmer heads offer the great convenience of fast and easy line reloading without having to disassemble any part of the head. Simply feed line through the eyelets and turn the knob; it's that simple. Available in medium and heavy-duty models.



“MD” – Medium-Duty Easy-Load Tap-n-Go Head

For trimmers 25cc-32cc. Reinforced knob stands up to hard knocks. Lower line shield flange helps prevent line breakage at the eyelets. Includes 16.4' of .080" trimmer line and instructions. Holds up to 18' of .080" line or 14.8' of .095" line. Specific adapter bolt included.

To order, see application chart on pages 41 – 50.

MD Easy-Load head without adapter bolt

No. TM50719038



“HD” – Heavy-Duty Easy-Load Tap-n-Go Head

For trimmers 32cc and larger. Heavy-duty Aluminum knob. Also has lower line shield flange to help prevent line breakage at the eyelets. Includes 16.4' of .095" trimmer line and instructions. Holds up to 19.7' of .095" or 16' of .130" line. Specific adapter bolt included.

To order, see application chart on pages 41 – 50.

HD Easy-Load head without adapter bolt

No. TM50709037

NEW!

Universal “MD” Easy-Load Tap-N-Go Head With Adapter Kit

This universal head allows you to fit 99% of all gas trimmers on the market! Comes complete with a 15-piece set of shaft nuts, shaft bolts, adapters and washers. Accepts .080", .095" and .105" round line. Reloads line in seconds without disassembly of head. Recommended for 25-33cc trimmers.

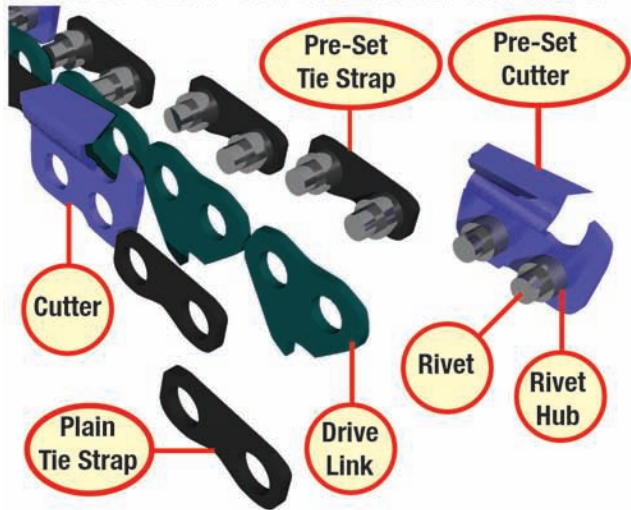
No. TM50719051



For trimmer head illustrated parts lists, see pages 347-350.

SAW CHAIN EXPLAINED

BASIC SAW CHAIN COMPONENTS

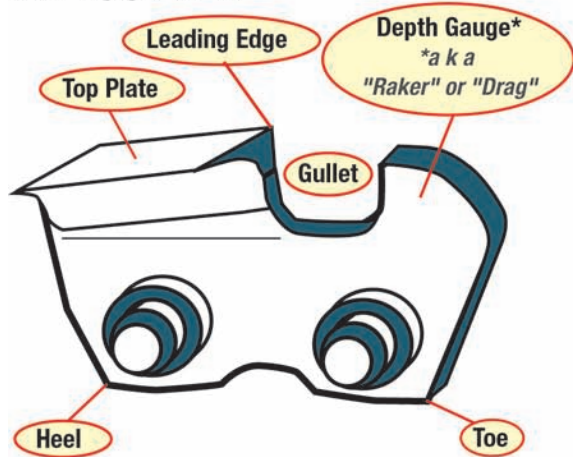


BUMPER LINK
Some low kickback chains have a "bumper link" drive link which overlaps the depth gauge. This design minimizes exposure of the cutter face to reduce kickback potential.



GUARD LINK
Guard Links perform a similar function to bumper links. They are actually a tie strap with raised fins, placed between cutters.

THE CUTTER



CUTTER TYPES



SEMI-CHISEL CUTTER
Semi-chisel is a good "all-purpose" chain. It holds an edge longer in abrasive conditions and is easier to maintain.

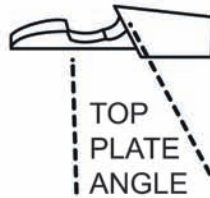


CHISEL CUTTER
Chisel has a squared corner leading edge. It is more aggressive and is preferred by many pro's for its fast cutting performance.



DEPTH GAUGE SETTING

This is the difference in height between the depth gauge and the cutter. It determines the thickness of the wood removed by the cutter. It is important to maintain the setting according to the manufacturer's specifications.

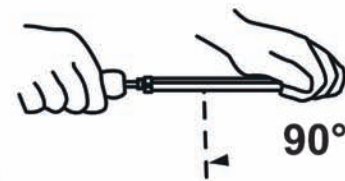


TOP PLATE ANGLE

30° or 35° top plate angles are the most common. It is important to maintain all top plate angles equally and to follow the manufacturer's specifications.

FILE/GRIND ANGLE

Semi-chisel chain should be filed/grind at a 90° horizontal angle. Chisel chain's squared leading edge requires an extra 10° upward angle. The Tecomec "Jolly Star" and "Super Jolly" grinders have a pivoting vise that provides the correct 80° angle for grinding chisel chain.



FILE ANGLE



*NOTE: These are basic examples only. Saw Chain varies in minor and major details

For saw chain grinders, breakers and spinners, please turn to pages 75-90

SAW CHAIN: CARLTON



Every Carlton saw chain is built with these important features:

- ★ **Nickel Alloy Steel:** All Carlton saw chains are fabricated from special alloy steel. This specially engineered steel adds toughness, abrasion resistance, and ductility in all kinds of climates, from the heat of the tropics to the freezing cold of winter.
- ★ **Industrial Chrome Plating:** All Carlton saw chain cutters are plated with hard industrial chrome. The process yields superior edge-holding qualities to other types of plating. In the field, Carlton Saw Chain stays sharp longer.
- ★ **Exclusive Honed Sharp Cutters:** Another Carlton exclusive. Unlike the competition, every Carlton saw chain is sharpened after assembly to cut fast out of the box. You can feel the difference. There's no need to touch up a new Carlton saw chain.
- ★ **Roto Blasting:** All Carlton saw chain cutters, drive links and bumper links are shot peened for increased tensile strength. A similar process is used for automotive leaf springs. Roto blasting makes Carlton Parts Tougher.
- ★ **Hypodermic Lubrication:** All Carlton Saw Chain is injected at the rivet bearings with hypoid lubricant to reduce bearing wear during "break in". Only Carlton pre-lubes each bearing during assembly for longer chain life in the field.



CARLTON SAW CHAIN NUMBERING SYSTEM

Gauge 1 = .050 2 = .058 3 = .063 4 = .043 5 or 8 = .080 7 = .122	Chain Type No. Length C ~ ~ Semi-Chisel GL ~ ~ Guard Link BL ~ ~ Bumper Link ST ~ ~ Skip Tooth	Endless Loop
A 2 LM -BL -60 E		
Chain Pitch Pitch Cutter Type A ~ ~ 3/8 B ~ ~ .404 E ~ ~ 1/4 G ~ ~ .750 K ~ ~ .325 N ~ ~ 3/8 Low Profile	Cutter Type Pitch Cutter Type C ~ ~ Semi-Chisel H ~ ~ Harvester EP ~ ~ Type E Professional L ~ ~ Chisel LM ~ ~ Magna Chisel MC ~ ~ Micro Chisel	Number of Drive Links

Q In The "Loop"?

Call for volume purchase pricing and ask about our saw chain program!

- ✓ Lock-in to guaranteed pricing on future orders!
- ✓ Mix and match Total and Carlton chain!
- ✓ Volume pricing on reels and loops – mix and match!

GUIDE BAR APPLICATION CHART: J



Jonsered (Continued)

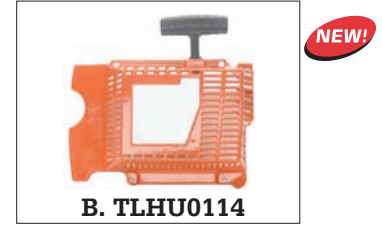
SUITABLE FOR MODEL(S)	CALLED LENGTH	GAUGE	PITCH	DRIVE LINK COUNT	TOTAL II LAMINATED SPROCKET NOSE NO.	TOTAL SUPER LAMINATED SPROCKET NOSE NO.	TOTAL SUPER PRO SPROCKET TIP NO.	TOTAL SUPER HARD TIP NO.
625, 625II, 630 Series, 670 Series, 830 (newer), 930S (newer), 2065, 2071, 2077, 2083, 2083II, 2094, 2095, 2165, 2171, 2172, 2186, 2188	16"	.050	3/8	60	T415WL4-2	T415WL4	T415FV4	T415HTO
	16"	.058	3/8	60	T405WL4-2	-	T405FV4	T405HTO
	16"	.063	3/8	60	-	-	-	T426HTO
	16"	.063	.404	55	-	-	-	T426HTO
	18"	.050	3/8	68	T416WL4-X	-	T416FV4	T416HTO
	18"	.058	3/8	68	T406WL4-2	-	T406FV4	-
	20"	.050	3/8	72	T417WL4-2	-	T417FV4	T417HTO
	20"	.058	3/8	72	T407WL4-2	-	T407FV4	T407HTO
	20"	.063	3/8	72	-	-	-	T428HTO
	24"	.050	3/8	84	-	-	T459FV4	T459HTO
	24"	.058	3/8	84	-	-	T439FV4	T439HTO
	24"	.063	3/8	84	-	-	-	T437HTO
	28"	.050	3/8	93	-	-	T423FV4	-
	28"	.058	3/8	92	-	-	T410FV4	-
	32"	.050	3/8	105	-	-	T425FV4	-
	32"	.063	3/8	105	-	-	T433PV4	-
36"	.063	3/8	119	-	-	T434PV4	-	
36"	.063	.404	108	-	-	T434PV5	-	
LONG, SPROCKET NOSE BARS Suitable for models 625, 625II, 630 Series, 670 Series, 830 (newer), 930S (newer), 2065, 2071, 2077, 2083, 2083II, 2094, 2095, 2165, 2171, 2186, CS 2166, CS 2172	42"	.063	3/8	134	Total Brand, Sprocket Tip Bar 2188-4263134*			
	50"	.063	3/8	158	Canon Sprocket Tip Bar 2188-5063158**			
	50"	.063	.404	142	Canon Sprocket Tip Bar 2188-5063142***			
	60"	.063	3/8	185	Canon Sprocket Tip Bar 2188-6063185**			
	60"	.063	.404	167	Canon Sprocket Tip Bar 2188-6063167***			
Replacement Tips For Long Sprocket Nose Bars Listed Above	*Use Replacement Tip: 3/8, 11-tooth							TLOR38
	**Use Oregon Replacement Tip: 3/8, 11-tooth							OM30853
	***Use Oregon Replacement Tip: .404, 10-tooth							OM30855

STARTER ASSEMBLIES | SPROCKET COVERS



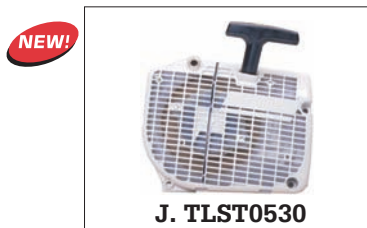
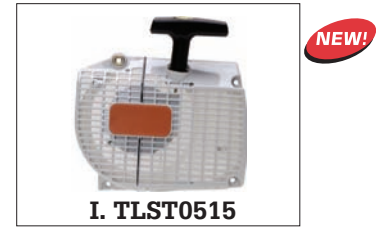
Starter Assemblies To Fit: Husqvarna

	SUITABLE FOR MODELS:	PART #	REPLACES O.E.M. NO.
A.	55	TLHU0173	503 49 32-01
B.	281, 288	TLHU0114	501 81 00-06
C.	365	TLHU0131	503 62 81-71



Starter Assemblies To Fit: Stihl

	SUITABLE FOR MODELS:	PART #	REPLACES O.E.M. NO.
D.	017, MS018	TLST0596	1130 080 1800
E.	036, MS340, MS360	TLST0563	1125 080 2105
	023, MS230	TLST0543	1123 080 2108
G.	024, 026, MS240, MS260	TLST0517	1121 080 2101
H.	029, MS290	TLST0581	1127 080 2103
I.	044, 046, MS440, MS460	TLST0515	1108 080 2104
J.	066, MS650, MS660	TLST0530	1122 080 2110
K.	TS400	TLST0605	4223 190 0401



Sprocket Covers To Fit Stihl

	SUITABLE FOR MODELS:	PART #	REPLACES O.E.M. NO.
L.	018, 021, 023, 025, MS180, MS230, MS250	TLST0556	1123 640 1705
M.	021, 023, 025, MS210, MS230, MS250	TLST0554	1123 640 1700
N.	024, 026, 028, 029, 031, 034, 036, 038, 044, 046, 064, 066, MS240, MS260, MS270, MS290, MS310, MS340, MS360, MS380, MS440, MS460, MS650, MS660	TLST0483	1125 640 1701
O.	044, 046, 064, 066, MS440, MS460, MS660	TLST0089	1122 648 0403



NOTE: Part numbers with a "TM" prefix are Tecomec; Part numbers with a "TL" are Mako or TOTAL brand.

PRESSURE WASHERS



Model AR112

- ★ **Motor:** Industrial Electric 1.2 h.p./120v/11A.
- ★ **Pump:** Annovi/Reverberi Axial-Radial with 3 Pistons.
- ★ **Pressure:** 1,600 P.S.I.
- ★ **Flow:** 1.58 G.P.M.
- ★ **Cleaning Force:** 2,528 Units.
- ★ **Wand / Nozzle:** Two-piece insulated gun/wand lance with variable spray nozzle. Adjustable: 0° – 40°.
- ★ **Hose:** 20' high-pressure.

Additional Features Include:

- ★ Automatic Start / Stop.
- ★ Foam dispenser.
- ★ Accessory holder.
- ★ 34.5 Foot power cord With ground fault interrupter.
- ★ One-year homeowner warranty

No. AR112



Model AR383

- ★ **Motor:** Industrial Electric 1.5 h.p. /120v /14A.
- ★ **Pump:** Annovi/Reverberi Axial-Radial with 3 pistons
- ★ **Pressure:** 1,900 P.S.I.
- ★ **Flow:** 1.51 G.P.M.
- ★ **Cleaning Force:** 2,869 Units.
- ★ **Wand / Nozzle:** Two interchangeable lances with variable spray and turbo nozzles.
- ★ **Hose:** 20' high-pressure.

Additional Features Include:

- ★ Automatic Start / Stop.
- ★ Foam dispenser.
- ★ Accessory holder.
- ★ Built-in hose reel.
- ★ 34.5 Foot power cord With ground fault interrupter.
- ★ One-year homeowner warranty

No. AR383

Automatic Start / Stop Feature

Automatically turns off the motor and pump when you release the grip, eliminating the possibility of damage from overheating. When you reactivate the gun, the machine restarts automatically.