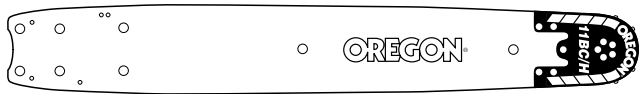
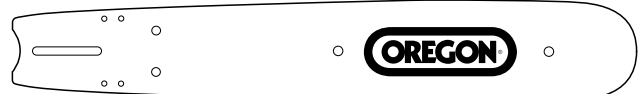


3/4"-PITCH HARVESTER BARS

Oregon® 3/4"-pitch harvester bars are designed for use with 11H and 11BC chain on a broad range of timber-harvesting machines. These bars are available in two types, either with a replaceable sprocket nose (RSN), or with a solid armor-tip nose. Both types of bars have solid bodies, made from a specialized 3/8"-thick alloy steel. These are the ultimate 3/4"-pitch bars available, built by the world's first, and leading, manufacturer of 3/4"-pitch cutting chain, and the world's first manufacturer of 3/4"-pitch bars with replaceable-sprocket noses – Oregon®.



3/4"-PITCH RSN BAR



3/4"-PITCH ARMOR-TIP BAR

FEATURES

- Bar body is solid, one-piece, and made from specialized 3/8"-thick alloy-steel material
- Precision-milled grooves and straight, square, symmetrical rails
- Bottoms of grooves have a half-round shape
- Chamfered chain lead-ins on the inside of the rails at the bar's tail

3/4"-PITCH RSN BARS

- Replaceable-sprocket-nose design
- Outside corners of the rails are chamfered around the full contour of the bar
- Nose-body attachment rivets are stainless steel, and specially positioned
- Patented Cradle™ nose-sprocket design
- Bars are bright-yellow color
- Replacement nose kits are available
- Bar's part number is etched in

3/4"-PITCH ARMOR-TIP BARS

- Solid-nose design
- Ultra-high-strength stellite alloy is welded to the nose

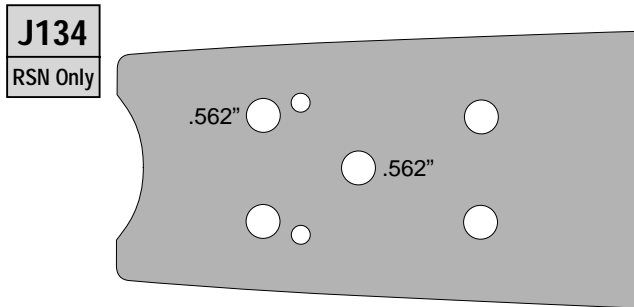
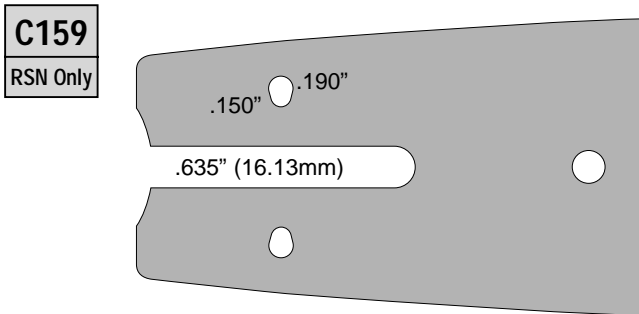
BENEFITS

- Extremely tough and durable, rail chipping and rail spreading are minimized
- Maximum bar and chain life, maximum value
- Groove's width is consistent, minimizes wear
- Long bar and chain life
- Helps prevent rails from cracking near the bottom of the groove
- Smooth chain flow onto the bar
- Minimizes wear, helps prevent chain drive links from banging into the bar's tail
- Requires 25% to 35% less horsepower to drive the chain than solid-nose bars
- Chain can be run tighter than on solid-nose bars, minimizes the risk of a chain being thrown off
- Less chain stretch than on solid-nose bars
- Minimizes wear on the bottom of the chain, and on the nose of the bar
- Minimizes bar-rail wear, helps reduce "knife-edging" of the rails after a period of use
- Maximum nose strength and life, helps prevent the sprocket from being pinched during mishaps
- Over 100% improvement in nose-sprocket life when compared to standard designs
- Superior resistance to nose-sprocket failure
- Better visibility during cutting, helps reduce the risk of accidents and damage
- Noses can be replaced at the job site
- Easy reordering
- No moving parts, rugged and dependable, withstands abrasive cutting conditions
- Maximum bar life, minimizes friction wear and rail chipping in the nose area



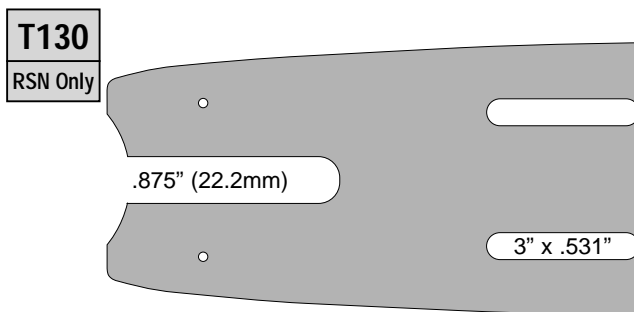
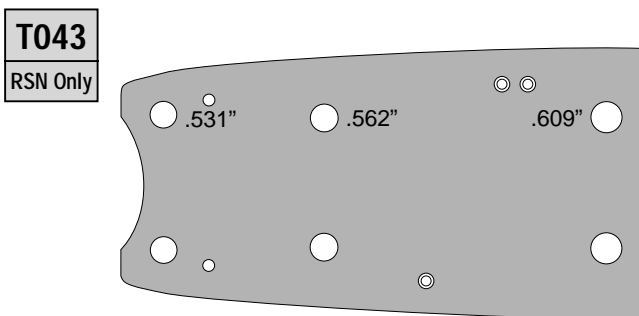
Oregon® 3/4"-pitch harvester bars are also available in several double-ended configurations for use on slashers or pond-and-deck machines. For more information on double-ended 3/4"-pitch bars, see Oregon® literature P/N A107203.

OREGON® 3/4"-PITCH BARS BY MOTOR MOUNT



C159 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
WARATAH: HTH20, HTH22 (New model)	281SNCC159	28"	28.25"	45	7-TOOTH
	311SNCC159	31"	31.79"	49	7-TOOTH

J134 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
TIMBERLINE: ST3520, ST3530	311SNCJ134	31"	31.93"	50	8-TOOTH
	341SNCJ134	34"	35.60"	54	8-TOOTH



T043 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
DC; FORTEC; SILVER STREAK	341SNCT043	34"	34.60"	55	9-TOOTH
	361SNCT043	36"	36.17"	57	9-TOOTH
	381SNCT043	38"	38.52"	60	9-TOOTH
E-LIMB-N-ATOR; HYTEC; FABTEK: FT-180, FT-240, Series 2000 13" and 18" Processors	341SNCT043	34"	34.60"	55	9-TOOTH
	361SNCT043	36"	36.17"	57	9-TOOTH
	381SNCT043	38"	38.52"	60	9-TOOTH
ERI; HAHN: HPL220C, HSG110B, HTL300F; TIMBCO: 24", 28", 33" Saw Head	341SNCT043	34"	34.60"	55	9-TOOTH
	361SNCT043	36"	36.17"	57	9-TOOTH
	381SNCT043	38"	38.52"	60	9-TOOTH
	431SNCT043	43"	43.20"	66	9-TOOTH

T130 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
MULTITEK: Fuelwood Processor	401SNCT130	40"	40.87"	63	9-TOOTH

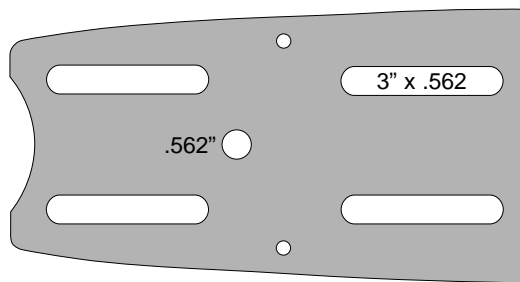
Heres how the Oregon® bar part-numbering system works

Oregon® bar part numbers have 10 characters, here's what they mean on 3/4"-pitch harvester bars:

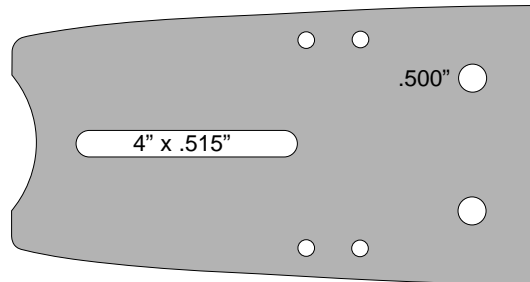
3 8 1 S N C T 0 4 3

BAR LENGTH	GAUGE	BAR TYPE	NOSE PITCH or RADIUS	MOTOR MOUNT
24" 32" 36" 43"	.122"	AT = Solid-nose armor-tip bar	C = 3/4"-pitch nose sprocket	C159 T132 T145 T156 T168
27" 33" 37" 45"		SN = Replaceable sprocket-nose bar	V = Very large radius armor-tip nose	J134 T133 T146 T157 V127
28" 34" 38" 52"				T043 T135 T151 T160
31" 35" 40"				T130 T138 T152 T161

T132
RSN Only



T133
RSN and
Armor Tip

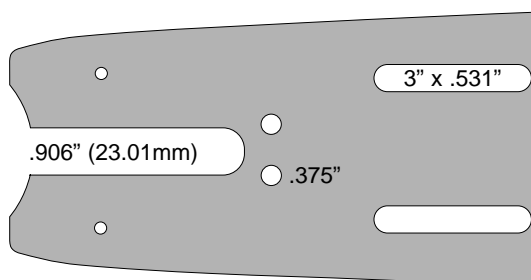


T132 FITS THESE HARVESTERS	BAR PART NUMBER	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
LAKEWOOD (Gordon Machinery)	321SNCT132	32"	32.62"	51	9-TOOTH

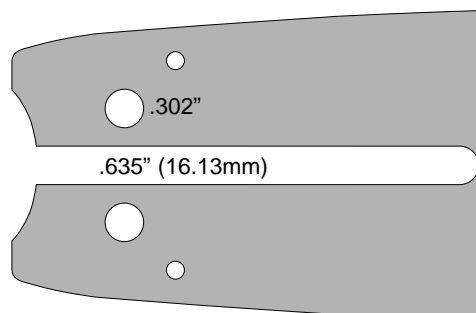
T133 (RSN BARS) FIT THESE HARVESTERS	BAR PART NUMBER	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
CTR Topping Saws; HUDSON Topping Saw (Timberjack)	311SNCT133	31"	33.35"	CTR: 52 HUDSON: 53	9-TOOTH
	341SNCT133	34"	36.49"	CTR: 56 HUDSON: 58	9-TOOTH
	361SNCT133	36"	38.84"	59	9-TOOTH

T133 (ARMOR TIP BARS) FIT THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
CTR: Topping Saws HUDSON: Topping Saw (Timberjack)	311ATVT133	31"	32.95"	CTR: 52 HUDSON: 53	9-TOOTH
	341ATVT133	34"	36.09"	CTR: 56 HUDSON: 58	9-TOOTH

T135
RSN Only



T138
RSN Only

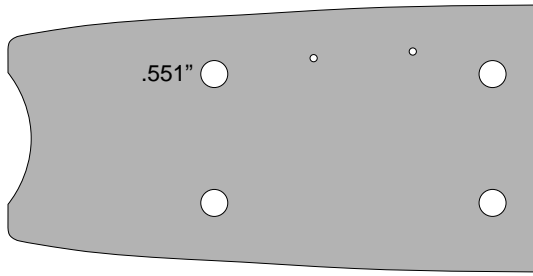


T135 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
FEC: Topping Saw	311SNCT135	31"	31.70"	50	9-TOOTH

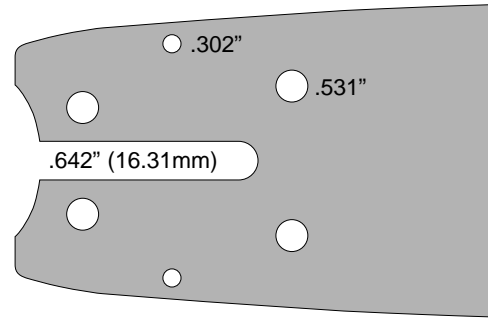
T138 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
KETO: 750, 1000; LAKO: 850; TIMBERJACK: 790; WARATAH: FL235	401SNCT138	40"	39.62"	60	9-TOOTH
HULTDINS: SuperCut 300, SuperCut 350, SuperFell 851	341SNCT138 401SNCT138	34" 40"	34.00" 39.62"	53 60	9-TOOTH 9-TOOTH
HULTDINS: SuperGrip 4000S, SuperFell 851	451SNCT138	45"	44.51"	67	9-TOOTH
LAKO: 950	451SNCT138	45"	44.51"	67	9-TOOTH

T145

RSN Only

**T146**

RSN Only

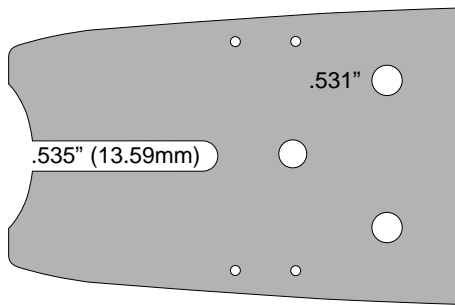


T145 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
VHLC: Logmate, Pulpmate	521SNCT145	52"	52.69"	76	9-TOOTH

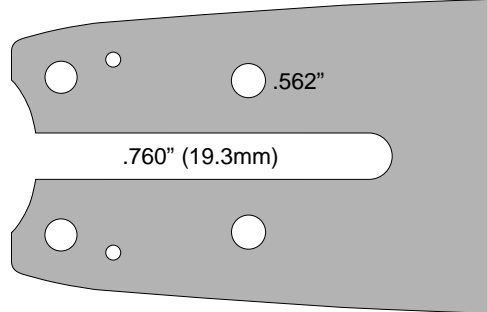
T146 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
WARATAH: HTH22 (Old model)	321SNCT146	32"	32.00"	52	9-TOOTH
WARATAH: HTH24	361SNCT146	36"	36.45"	57	9-TOOTH
WARATAH: HTH26, HTH234	381SNCT146	38"	38.00"	59	9-TOOTH

T151

RSN Only

**T152**

RSN Only

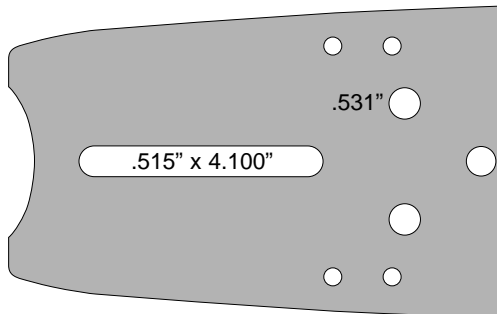


T151 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
WARATAH: D230, D240, & D260 Topping Saws, DS260 Slasher	341SNCT151	34"	34.60"	58	9-TOOTH
WARATAH: S240 Slasher, DS260 Slasher (option)	401SNCT151	40"	39.95"	65	9-TOOTH

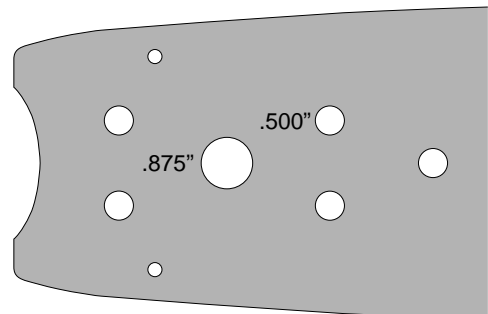
T152 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
UNICORN AUSTRALIA	341SNCT152	32"	34.15"	54	9-TOOTH
	361SNCT152	36"	35.72"	56	9-TOOTH
	381SNCT152	38"	38.07"	59	9-TOOTH
	431SNCT152	43"	42.75"	66	9-TOOTH

T156

RSN Only

**T157**

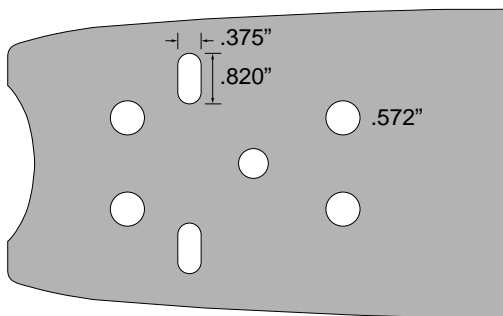
RSN Only



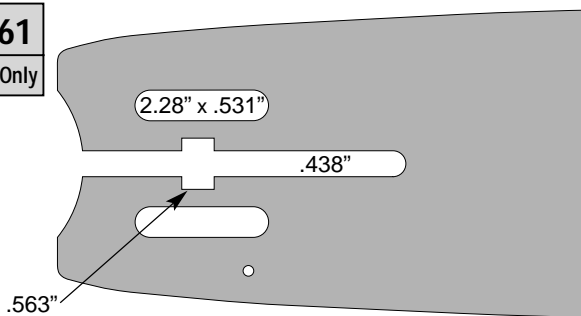
T156 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
CTR (Stumper)	361SNCT156	36"	36.04"	56	9-TOOTH

T157 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
PROPAC: PP393, PP453, PP513	281SNCT157 (Top saw)	28"	28.50"	47	9-TOOTH
	351SNCT157 (Butt saw)	35"	34.76"	55	9-TOOTH

T160
RSN Only



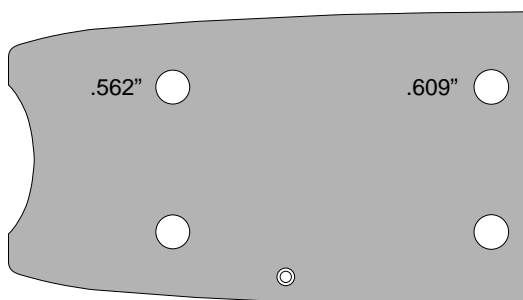
T161
RSN Only



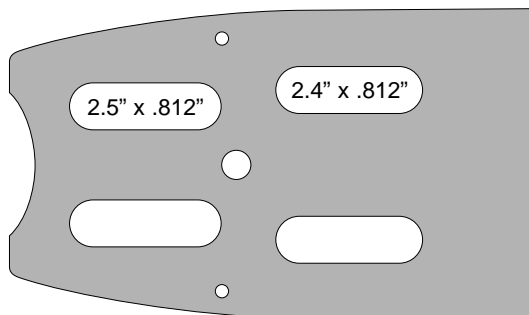
T160 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
DENHARCO: DM3500 Topping Saw (3/4" option)	271SNCT160	27"	27.05"	44	9-TOOTH

T161 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
PIERCE PACIFIC: HSD3345	281SNCT161	28"	28.94"	47	9-TOOTH
	431SNCT161	43"	43.04"	65	9-TOOTH
PIERCE PACIFIC: PTH 24	361SNCT161 (Butt saw)	36"	35.99"	56	9-TOOTH

T168
RSN Only



V127
RSN Only



T168 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
FABTEK: FT180 Dangle Head	311SNCT168	31"	30.90"	49	9-TOOTH

V127 FITS THESE HARVESTERS	BAR PART NUMBERS	CALLED LENGTH	ACTUAL LENGTH	DRIVE LINKS	SPROCKET
HAHN: HSG-140, HSG-160;	241SNCV127	24"	24.81"	41	9-TOOTH
FRANKLIN;	241SNCV127	24"	24.81"	41	9-TOOTH
UNIVERS/SAW (Cooley);	271SNCV127	27"	27.38"	45	9-TOOTH
RISLEY: Rolly II, Sling Shot	331SNCV127	33"	33.39"	52	9-TOOTH
	351SNCV127	35"	34.95"	54	9-TOOTH
	371SNCV127	37"	37.10"	56	9-TOOTH

Harvester bar trouble shooting

PROBLEM 1: During start-up, the nose sprocket and bearings break into pieces or the chain is pulled into the nose

Explanation: Chain that is tensioned when it is warm or hot shrinks when it cools off, causing high tension in the chain and bar-nose parts.

Suggestion: Do not tension chain when the rivets are hot. Do not tension warm chain unless you continue cutting for at least half an hour after tensioning. Never tension warm chain at the end of work.

PROBLEM 2: Short bar-rail life

Explanation: Cutting with dull chain will wear out the bar rails quickly. The power of a harvester can easily be misused to force dull chain to keep cutting, (especially with sprocket-nose bars, which make more efficient use of the harvester's power than solid-nose bars).

Suggestion: If you have recently changed from a solid-nose bar to a sprocket-nose bar, sharpen the chain just as often as when you used the solid-nose bar. *With either type of bar, watch the change in chip size to tell when to resharpen.*

PROBLEM 3: The bar's nose sprocket is jammed or broken

Explanation: Running your bar and chain without sufficient grease or oil will cause bearing failure.

Suggestion: Grease the bar nose twice a day and be sure the bar is receiving a sufficient supply of oil at all times during operation.

Continued on the next page

OREGON® 3/4" MOTOR MOUNT NUMBERS BY HARVESTER BRAND - Quick Reference

HARVESTER MAKE	MOTOR MOUNT	HARVESTER MODEL NUMBER or MACHINE TYPE
CTR	T133	Topping Saw
	T156	Stumper
DC	T043	
DENHARCO	T160	DM3500
E-LIMB-N-ATOR	T043	
ERI	T043	
FABTEK	T043	FT-180, FT-240, Series 2000 13" and 18" Processors
	T168	FT180 Dangle Head
FEC	T135	Topping Saw (31")
FORTEC	T043	
FRANKLIN	V127	
HAHN	T043	HPL-220C, HSG-110B, HTL-300F, Full Tree Length, HSW-110B
	V127	HSG-140, HSG-160
HUDSON	T133	Topping Saw (Timber Jack)
HULTDINS	T138	Super Cut 300, Super Cut 350, Super Grip 4000S, 851
HYTEC	T043	
KETO	T138	750, 1000

HARVESTER MAKE	MOTOR MOUNT	HARVESTER MODEL NUMBER or MACHINE TYPE
LAKEWOOD	T132	(Gordon Machine)
LAKO	T138	850, 950
VHLC	T145	Logmate, Pulpmate
		Victorian Highlands Logging Co.
McINTEE	V127	
MULTITEK	T130	Fuelwood Processor
PIERCE PACIFIC	T161	HSD 3345, PTH 24
PROPAC	T157	PP393, PP453, PP513
RISLEY	V127	Rolly II, Sling Shot
SILVER STREAK	T043	
TIMBCO	T043	24", 28", 33" ,Saw Head
TIMBERLINE	J134	ST3520, ST3530
UNICORN	T152	Australia
UNIVERS/SAW	V127	(Cooley)
WARATAH	C159	HTH-20, HTH-22 (New model)
	T138	FL-235
	T146	HTH-22 (Old model), HTH-24, HTH-26, HTH-234
	T151	D230, D240 & D260 Topping Saws, DS260 & S240 Slashers

Harvester bar trouble shooting – Continued from the previous page

PROBLEM 4: Nose laminates are split, bent, or broken; the nose sprocket is jammed or broken; nose bearings are lost

1st Explanation: The chain will be pinched if trees are allowed to sit down and close the bar groove. Pinching occurs on the non-cutting side of the bar. Your motor pulls the chain into the nose causing the nose laminates to separate and the sprocket and bearings to fail.

2nd Explanation: When chain gets jammed in the cut, operators may try to force the bar and chain out by pulling with the boom. This force is carried by the bar's nose, causing the nose laminates to separate, and the sprocket and bearings to break or fail.

Suggestion: Avoid accidentally pinching or jamming the chain.

3rd Explanation: Cutting into two trees and falling one while the bar's nose or the chain is still in the second tree will: • bend the nose, • tear the nose off, • pinch the chain and separate the nose laminates, or • stop the sprocket due to misaligned or lost bearings.

Suggestion: Initiate the cut so the bar is in only one tree at a time.

PROBLEM 5: Chipped bar rails near the nose of the bar

Explanation: If the nose shows rail chipping on the top of the bar, near the nose sprocket, then the chain is being run too loose.

Suggestion: Chain must be tensioned more tightly on sprocket-nose bars than on solid-nose bars. On sprocket-nose bars, adjust tension to meet this test: On the bottom of the bar (near the middle) pull the chain down by hand. The gap between the bar rail and the chain's cutters should be 1/8th inch (3.2mm), not more. Never tension warm or hot chain at the end of work (see problem 1).

PROBLEM 6: The bar climbs during cutting

Explanation: Uneven bar rails. The cutters on the side facing the ground may be dulled by dirt or rocks. The dull cutters quit cutting which transfers cutting force to the sharper high-side cutters. The bar climbs and wears the high-side rails faster, making them uneven.

Suggestion: Check for dull or damaged cutters and uneven rails several times a day. Dress the bar's rails even and grind all cutters* back until all damage is removed (*keep all cutter top plates the same length). If damage is extensive, replace the chain, and/or the bar.



Because every cut counts

For more information on these and other Oregon® products, contact your authorized Oregon® distributor, or:

OREGON CUTTING SYSTEMS DIVISION, OUTDOOR PRODUCTS GROUP, BLOUNT, INC.

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