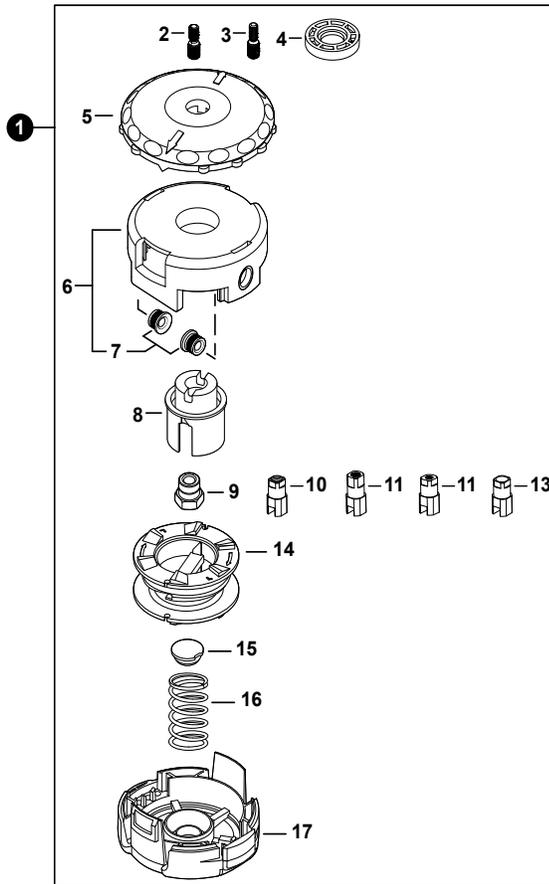


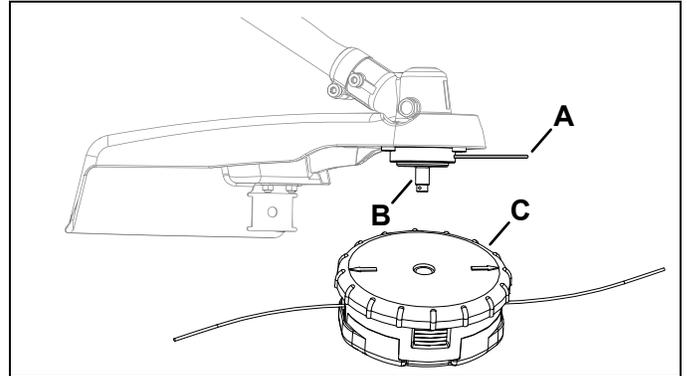
**ECHO Speed-Feed® 400 Trimmer Head,
 P/N 99944200907**



NO.	QTY.	DESCRIPTION
1	1	TRIMMER HEAD, SPEED-FEED® 400
2	1	+BOLT, STUD M7 x 1.00 / M10 x 1.25 LH GOLD
3	1	+BOLT, STUD M8 / M10 x 1.25 LH SILVER
4	1	+SPACER, BLACK
5	1	+KNOB
6	1	+HOUSING ASSY, SPOOL
7	1	++EYELET
8	1	+HUB, SPOOL
9	1	+HUB (RH) WHITE
10	1	+BUSHING 10 MM x 1.25 LH GOLD
11	1	+BUSHING 10 MM x 1.00 LH SILVER
12	1	+BUSHING 8 MM x 1.25 LH RED
13	1	+BUSHING 10 MM x 1.00 LH GREEN
14	1	+SPOOL
15	1	+SPRING, CAP
16	1	+SPRING
17	1	+COVER, SPOOL

Trimmer Head Installation

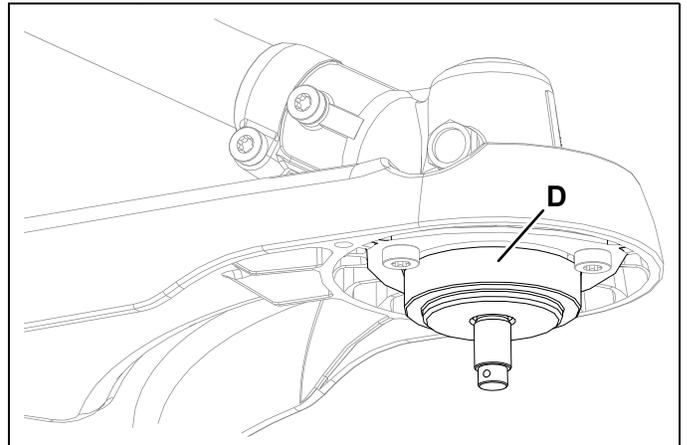
1. Insert locking tool (A) into the gear case to lock output shaft (B). Remove existing cutting attachment (C) from the unit following the manufacturer's instructions.



NOTICE

Your unit must be equipped with a debris shield including a line cutter that will cut line to length when the trimmer line is advanced.

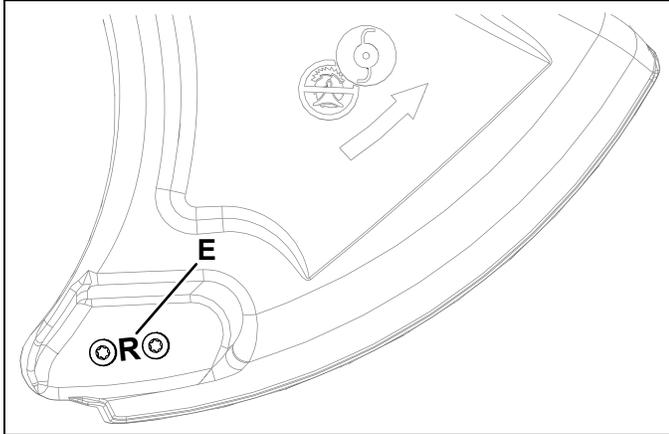
2. Install or reuse the unit manufacturer's gear case base plate (D). The base plate must support the trimmer head and allow it to rotate freely.



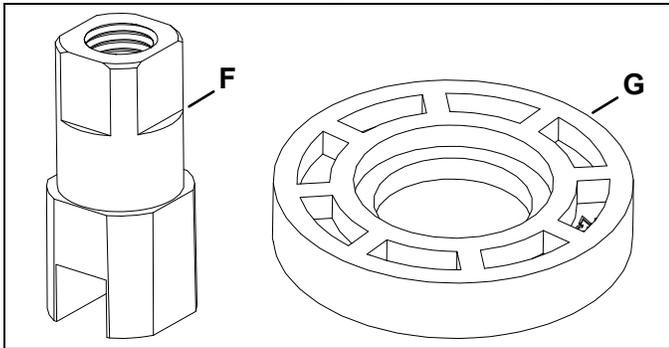
3. Select and install the Speed-Feed® 400 mounting hardware. Use the Speed-Feed® 400 Application Chart provided to identify the bushing or bushing and mounting stud combination needed for your model.
4. **IMPORTANT: For ECHO units only:** If the cut-off blade on the unit is molded into the debris shield, the Speed-Feed® 400 line head will fit on the unit as is - go to Step 8. If the cut-

off blade is retained by screws and nuts, check the debris shield on the unit for “R” mark (E) between the cut-off blade screws.

Units with the “R” mark: The Speed-Feed® 400 line head will fit on unit as is - go to Step 8.



Units without the “R” mark: Remove the white (RH) hub from the Speed-Feed® 400 line head. Install the M10 x 1.25 mm left-hand (silver) arbor bushing (F) and black spacer (G).

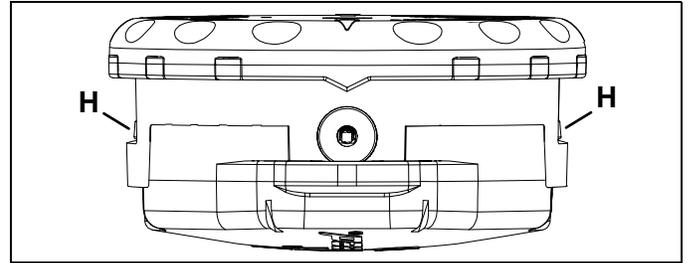


NOTE: If your brand or model number is not listed, match the existing mounting hardware from your model with the Speed-Feed® 400 mounting studs and/or bushings to determine the correct parts needed. If you need help, visit www.speedfeed-head.com, or call the Consumer Product Support Department at 1-800-432-3246 from 8:30 a.m. to 4:30 p.m. (Central Time) Monday through Friday.

Use the Speed-Feed® 400 Identification Chart to select bushings. The following bushings are included in the package:

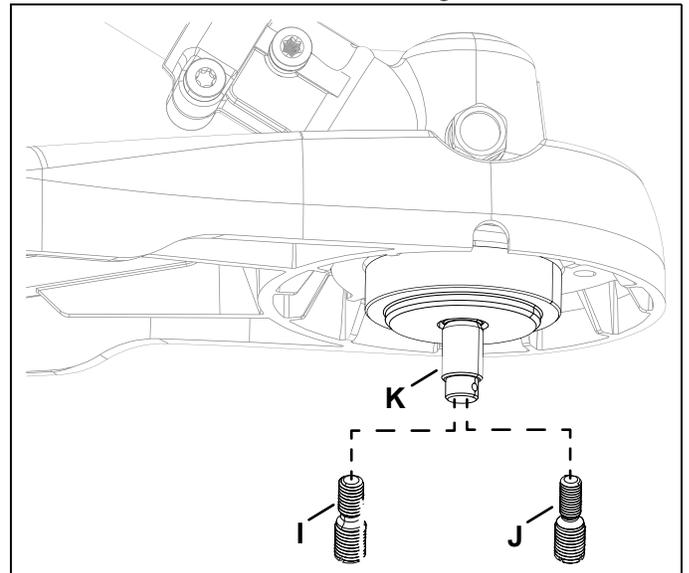
- 8 x 1.2 mm left-hand (red) bushing (used with LH3 and LH4)
- 10 x 1.0 mm left-hand (green) bushing (used with LH5)
- 10 x 1.25 mm left-hand (silver) bushing (used with LH6)

5. If required, push locking tabs (H), and open the trimmer head to install a new bushing.

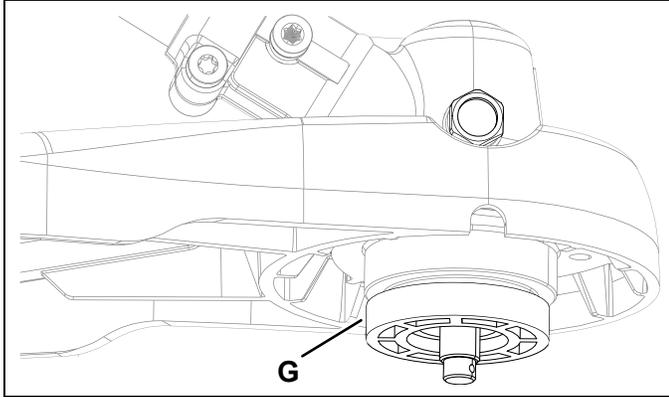


6. Reassemble the trimmer head in reverse order of disassembly. The trimmer head halves will snap together tightly only if the parts are properly assembled.

7. If required, install a new M7 X 1.25 left-hand (gold) stud bolt (I), or a new M8 X 1.25 left-hand (silver) stud bolt (J) into the threaded hole in gear case output shaft (K). Turn the left-hand studs counterclockwise to tighten.

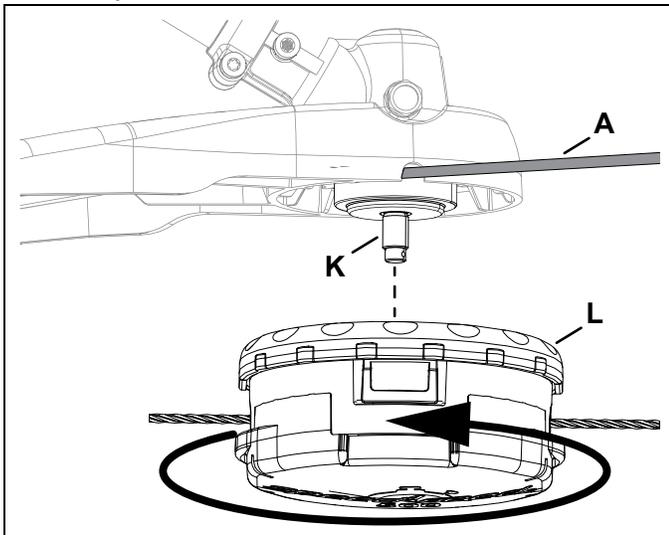


- If required, install spacer (G) on the base plate of the gear case and match the spacer recess to pilot diameter of the base plate.



NOTE: When the spacer is properly matched and installed, there should be no gap between the spacer and the base plate on the gear case.

- Insert locking tool (A). Thread Speed-Feed® 400 trimmer head (L) counterclockwise on to mounting stud or output shaft (K). Hand-tighten only.



NOTE: There should be no gap between the spacer and the line head after tightening.

NOTICE

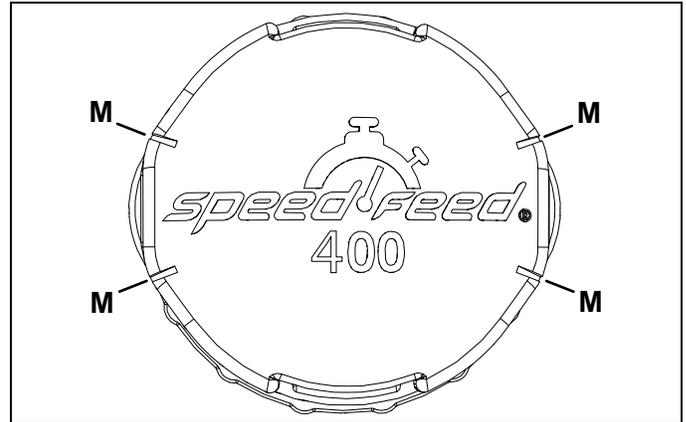
Do not force the assembly process. Forcing the assembly process can cause the threads to strip and result in permanent damage.

- Remove the locking tool.
- If necessary, cut the trimmer lines so the length does not extend beyond the cut-off knife on the debris shield.

- To advance the trimmer line, bump the bottom of the trimmer head against the ground while running at normal operating speed.

NOTICE

When wear indicators (M) located at the bottom of the Speed-Feed® 400 head are worn smooth, or if holes appear, replacement of the cover or the entire Speed-Feed® 400 head is required.



Speed-Feed® 400 Trimmer Head Line Capacity

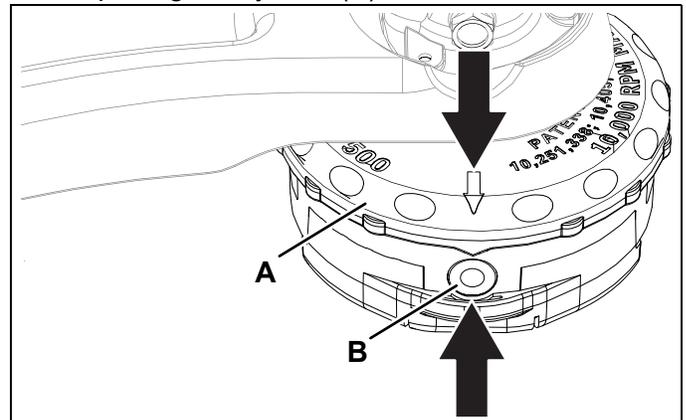
The Speed-Feed® 400 trimmer head accepts line diameter 2.0 mm (0.080 in.) - 2.4 mm (0.095 in.).

Line Capacity:

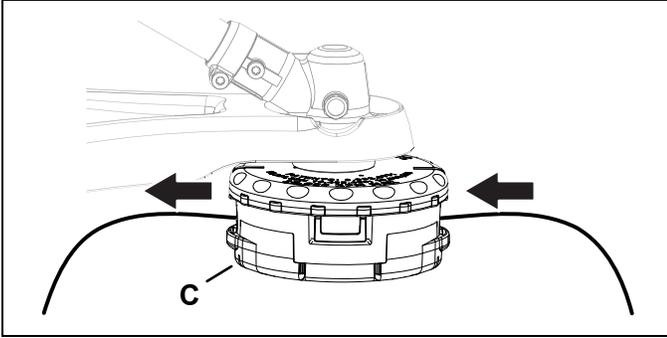
- 6 m (20 ft.) of 2.0 mm (0.080 in.) round line
- 6 m (20 ft.) of 2.4 mm (0.095 in.) round line

Loading the Trimmer Line

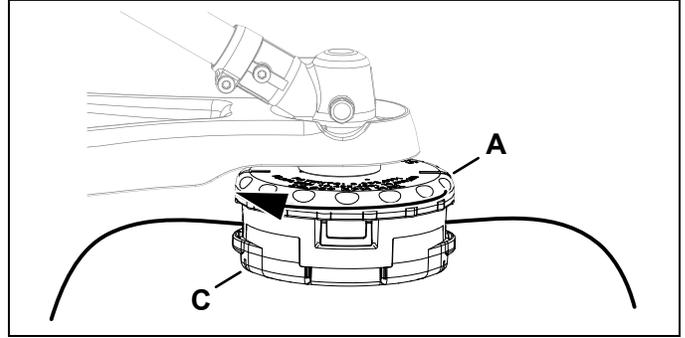
- Cut one piece of line to the recommended length.
- Align the arrows on the top of knob (A) with the openings in eyelets (B).



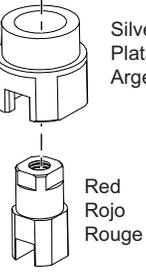
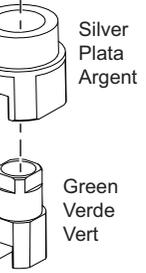
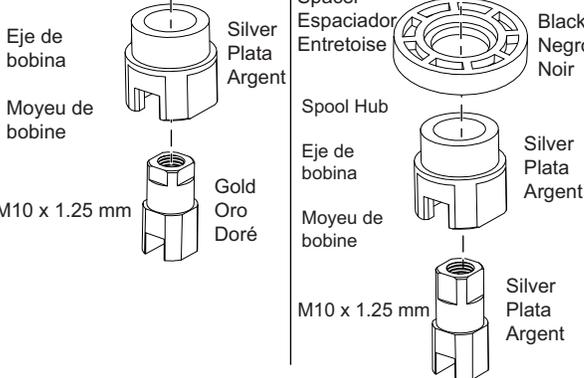
3. Insert one end of the trimmer line into an eyelet, and push the line an equal distance through trimmer head (C).



4. Hold trimmer head (C) while turning knob (A) clockwise to wind line onto spool until about 130 mm (5.0 in.) of each line remains extended.



Identification Chart

<p>LH1</p> <p>Stud Bolt Perno prisionero Goujon fileté M7 X 1.0 mm LH M10 x 1.25 mm LH</p> <p>Gold Oro Doré</p> <p>Spool Hub Eje de bobina Moyeu de bobine</p> <p>Silver Plata Argent</p> <p>M10 x 1.25 mm</p> <p>Gold Oro Doré</p> 	<p>LH2</p> <p>Stud Bolt Perno prisionero Goujon fileté M8 X 1.25 mm LH M10 x 1.25 mm LH</p> <p>Silver Plata Argent</p> <p>Spool Hub Eje de bobina Moyeu de bobine</p> <p>Silver Plata Argent</p> <p>M10 x 1.25 mm</p> <p>Gold Oro Doré</p> 	<p>LH3</p> <p>Stud Bolt Perno prisionero Goujon fileté M8 X 1.0 mm M10 x 1.25 mm LH</p> <p>Silver Plata Argent</p> <p>Spool Hub Eje de bobina Moyeu de bobine</p> <p>Silver Plata Argent</p> <p>M8 x 1.25 mm</p> <p>Red Rojo Rouge</p> 	
<p>LH4</p> <p>Spool Hub Eje de bobina Moyeu de bobine</p> <p>Silver Plata Argent</p> <p>M8x 1.25 mm</p> <p>Red Rojo Rouge</p> 	<p>LH5</p> <p>Spool Hub Eje de bobina Moyeu de bobine</p> <p>Silver Plata Argent</p> <p>M10 x 1.0 mm</p> <p>Green Verde Vert</p> 	<p>LH6 or LH6</p> <p>Spool Hub Eje de bobina Moyeu de bobine</p> <p>Silver Plata Argent</p> <p>M10 x 1.25 mm</p> <p>Gold Oro Doré</p> <p>Spacer Espaciador Entretoise</p> <p>Black Negro Noir</p> <p>Spool Hub Eje de bobina Moyeu de bobine</p> <p>Silver Plata Argent</p> <p>M10 x 1.25 mm</p> <p>Silver Plata Argent</p> 	

Speed-Feed® 400 Application Chart

ECHO	SRM: 140, 200, 202, o210, 220, 225, 230, 250, 251, 260, 261, 265, 266, 280, 3e00, 302, 303, 311, 330, 340, 343, 350, 400, 402, 500, 501, 1500, 1501, 2010, 2090, 2100, 2110, 2200, 2201, 2300, 2301, 2400, 2410, 2450, 2500, 2501, 2502, 2510, 2530, 2601, 3000, 3001, 3010, 3100, 3110, 3400, 3410, 3500, 3550, 3800, 4600	LH6
	PAS-225SB	
	DSRM-2100, DSRM-225, DSRM-2600; DPAS-2100SB, DPAS-2600SB	
HOMELITE	HK24 (to 1/1/86), HK30 (after/1/1/86), HK33 (to 1/1/86)	LH2
	BCH20, BCH24, BCH32, BCH33, BCH40, BCH48, HBC30, HBC38, HK15, HK 18 (after 1/1/86), HK28, HK24 (after 1/1/86), HK25, HK30 (up to 1/86), HK33 (after 1/1/86), HK38, PBC3600, PBC3800, PBC4000, PLT3400, ST285, ST155, ST175, ST385, ST485	LH4
	FK514, NBA524, PMB522, SX040, SXD40, TXD508	LH3
	HBC40, PBC3800, PBC4000, PMB52, HBC48	LH6
	ST80/385 (European)	LH2
	ST100/200/400, SXD20, RK521, TK518	LH4
HONDA	UMK422LNA/LTA, UMK431LNA/TA/UNBA, HHT25SLTAT, HHT35SLTAT, HHT35SUKAT	LH6
HUSQVARNA	(Up to 86) 16R, 22R, 24R, 25RL	LH2
	24R (up to serial number 603702)	LH1
	26LC, 26RLC, 32LC, 32RLC, MONDO	LH1
	122L, 125L, 225L, 225LD, 225R, 225RD, 225RJ, 227LD, 232L, 232R, 322L, 322R, 324LX, 325LX/RX, 326LS/LX, 335LS	LH6
JONSERED	BP40, BP40COMBI, BP2040, BR400, BR420, BR450, BR460, BR480, BR500, Tiger 40, GT21L, GT22L, GT24L, GR26COMBI, GR26D, GR26L, GR32L, GR2026CL, GR2026D, LR200, LR220, LR260, LR320, LR400, LR420, LR450, LR460	LH2
	LR420, LR450, LR460 RS38ANCIEN, RS38 older	LH5
	RS44, GR44, GR41, J40D, KQ20/30 (European)	LH6
MARUYAMA	BC184, BC184C, BC200, BC201, BC230, BC241, BC260, BC260H, BC310, BC320, BC320H, BC326, BC340DL, BC402, BC420H, BC500, BC500H, BC2300, BC2321, BC2600, BC3021, BC3200, BC4200H, BCL2550, BCGX22, BCGX31, BCL2250, BCL2250C, BST23, MC5, NC8	LH2
	BC220DL, BC221DL	LH1
	BT17, BT220, BC200C, BC260C	LH4
	BC184C, BC200C, BC260C	LH6
	BC430DWM, BC440DWM, 32, 35, BC500	LH3
	MAC57, MAC90, MAC95, MAC1000A	LH3

McCULLOCH	PROMAC SERIES: III, IIISUP, IVSUP, PROSCAPER; SERIES: 28S, 32H, 32HDS, III IV, V, IS, II, IIHD, SEBIC, SUPMAC100A; PS1, PS2, PS3, PS4, PS5, SEBIV; EB SERIES: III, IVSL, 3, 4, 3SX, 32BCS, 35L, 280, 282, 285BCS, 297BCS, 325BC, 327BC, 2815, 2816 2817, 2818	LH6
	MAC 22/23/30A, SUPERMAC 30AV, MS33, DELTA, 38AV, MS40, BP30AV, TD2400/3300/4000	LH2
	MAC 57, MAC 90, MAC 95, MAC 100A, MAC 32, MAC 37	LH3
RED MAX	BC220DL, BC221DL, BC300DL, BC2300DL, BK235FL, BK345FL, BK435FL, BK530DL, BC17, BC23, BC32, BC240DL LH1	LH1
	BC260DL, BC261DL, BC262DL, BC340DL, BC341DL, BC342DL, BC2600DL, BC430DWM, BC440DWM, BK346FL, BK245FLK, BK436FL, BC245A, BC260DM/DMU, BC340DWM/FW, BC431DWM, BCD20, BCF01, BC2601S, BC3400DW, BC4400DW, BCX2600DS, BCZ2500S/SU/SW	LH2
	BC430DWM, BC440DWM, BC441DWM, BC442DWM, BC531DWM, BC532DWM, FBC22, FBC26 LH3	LH3
	BC200, BC2000DL, BT2000, BT2001DL	LH6
SHINDAIWA	22T, C230, C242, C2510, T195s, T220, T222, T230, T231, T230s, T242, C242, T242X, T2510, C2510, T2510X	LH1
	C3410, T3410, C260, T260, T261, T261B/XR/XB, T270, T272, T272X, T282, C282, T300, T3410, T3410X, T350	LH2
	BP35, B45, B450, C350	LH3
	T235, T344, C344, T254, C254	LH6
STIHL	FS51, FS55, FS60, FS61, FS65, FS80, FS83, FS85, FS86, FS90, FS91, FS96	LH2
	FS66, FS74, FS76, FS81, FS83, FS85, FS86, FS100, FS106, FS108, FS110, FS130, FS250, FS44, FS45, FS46, FS48, FS52, FS56, FS62, FS66, FS85, FS86, FS88, FS96, FS106, FS108, FS120, FS200, FS350, FS450, FS550	LH5
DOLMAR / SACHS DOLMAR	BC250, BC330, BC400, PRO370, PRO400, SD330, LT250	LH2