

# CORRECT **STIHL**<sup>®</sup> CHAIN & GUIDE BAR ROTATION.

## THE 4-2-1 RATIO

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- Upon purchasing a new STIHL chainsaw, a second chain should be bought, if not already supplied.
- Before use, the outside centre of the guide bar should be marked "1" and the inside centre of the guide bar should be marked "2". This can be done with number stamps.
- On day one of cutting, the chainsaw should be used with the first chain and the number "1" on the outside of the guide bar.
- At the end of the day, after the daily service is carried out, the guide bar should be refitted with the second chain on it and the number "2" on the outside of the guide bar. (Guide bar will now be upside down.)
- This procedure should be followed every day, alternating chains and rotating guide bar as indicated above.
- When both chains have reached the end of their life, a further 2 new chains should be purchased, AND a new drive sprocket.
- The new drive sprocket should be fitted, the first chain fitted and the guide bar fitted with the original number "1" on the outside again.
- The above procedures should be followed again until both chains have reached the end of their life.
- At this stage, everything should be replaced with new, i.e. new guide bar, new drive sprocket and two new chains, and the procedure starts again.

Hence the ratio of **4-2-1**. 4 chains, 2 drive sprockets, 1 guide bar.

People are often misled by the initial monetary outlay of this system, don't be, it saves in the long run. Using a chainsaw with a dull or damaged chain, damaged guide bar and drive sprocket, is not only UNSAFE, but results in over revving and excessive force being used to make it cut. This will result in premature failure of crankshaft bearings, seals and eventually engine seizure.