

SHARPCHAIN

Newsletter 2 (April 2016)

Thank You for Being a Loyal Sharpchain.com Customer!

We would like your input on future Newsletter Topics. Send us an email at support@sharpchain.com with the subject newsletter. We received great feedback from our last newsletter, and we do greatly appreciate the comments, it just reassures us that our newsletters are relevant and on target.



Did you know that every order under 20 lbs. ships via 2 day Priority Mail? We compared our rates to our competition and in most cases we were actually less expensive dollar for dollar purchased. We use flat rate shipping based on dollar amount purchased, and **just today we have increased that dollar amount purchased for the lower shipping rates!**

USED SHARPENER PROGRAM



We have considered starting a used sharpener buyback program. If you have a used sharpener that you would like to sell, working or not, please send us an email at sales@sharpchain.com with a photo, the model information if available and the exact condition. There are a lot of challenges to a program like this, for example shipping charges to get it to us, actual value, costs to repair etc. etc. So let's see what interest there is.

NEWSLETTER TIP

A question we get asked often is "Why does my chainsaw cut crooked".

We know the exact reasons why, and I searched the internet to see if there were any good articles that explained this in detail. I found several articles, but none that put all the different reasons together, so this newsletter will explain all the different reasons why you or your customer's chainsaw cuts crooked, and how you can fix it.

These are all the reasons a chainsaw may cut crooked.

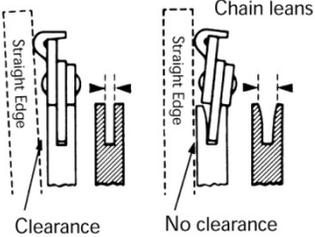
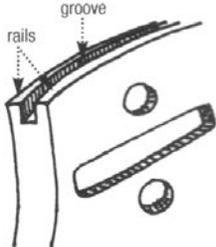
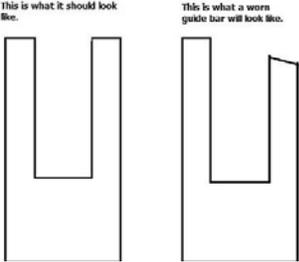
1. Guide Bar Rails are worn unevenly.
2. Guide Bar Groove is worn too wide.
3. Bottom of chain links are worn unevenly.
4. Chainsaw chain drive Links are worn too thin.
5. Chainsaw chain cutters are worn unevenly.
6. Wrong chainsaw drive link thickness and bar groove thickness combination.

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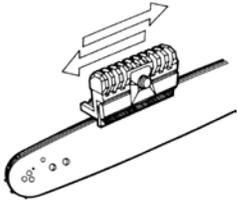
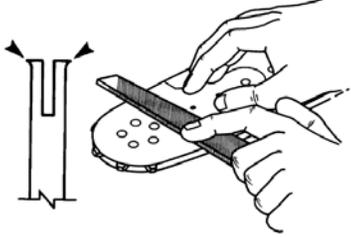
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Reference 1 and 2 from the above list.

Guide Bar Rails and Groove are worn unevenly and too wide.

 <p>Figure 1</p>	 <p>Figure 2</p>	 <p>Figure 3</p>
<p>Difference between good and bad.</p>	<p>Understanding the rails.</p>	<p>Another view of a worn rail.</p>

A worn guide bar will leave the chain sloppy in the rails, rocking back and forth while cutting. This will accelerate the wear on both the chain and guide bar, and also cause crooked cutting. That is why most shops will recommend replacing the chain, guide bar and sprocket at the same time. See Figure 4 for a Guide Bar hone that should be used after each sharpening. Just touch the bar lightly to keep it maintained. Also take a flat file and lightly file off the rough outer edges, see Figure 5.

 <p>Figure 4</p>	 <p>Figure 5</p>
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If your guide bar has dual oil holes for the oil to flow into the groove of the guide bar, you should always turn your bar upside down between sharpening's. See Figure 6 below for oil hole location, you should have the same hole on the other side of the bar as well, if you do not, you cannot flip the bar around as no oil will flow into the guide bar grooves and you will destroy your guide bar and chain.

 <p>Figure 6</p>	 <p>Figure 7</p>
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Always clean your guide bar groove and oil hole between sharpening's. When cleaning, start at the roller tip and pull the debris away from the tip of the bar, never drag the debris into the roller tip of the bar. See Figure 7 above for Guide Bar Cleaning Tool.

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Reference 3 and 4 from list on page 1
Bottom of chain links are worn unevenly.
Chainsaw chain drive Links are worn too thin.

So you replaced, shaped and cleaned your guide bar and your saw still cuts crooked, what the heck???

This is likely due to worn chain links and drive links. As the guide bar wears unevenly, your chains begin to wear unevenly. See Figures 8, 9 and 10. When your chains get like this, the only option you have is replacing them.



Figure 8

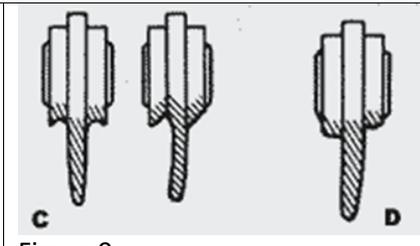


Figure 9

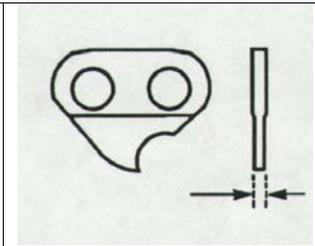


Figure 10

Reference 5 from list on page 1
Chainsaw chain cutters are worn unevenly.

A lot of people blame the cutters right away; they see that the cutters on one side of the chain are worn back or sharpened further back than the cutters on the other side. But the truth of the matter is that it plays a very little role in causing the chainsaw to cut crooked. An engineer with a philosophy degree may debate me on this one, and they would prove me wrong when you look at the intimate details, but I can assure you that if your chainsaw cuts crooked, don't look here as this will NOT solve your problem.

At the same time, you should not overlook it. The cutters should be sharpened as evenly as possible, worn cutters like the example in Figure 11 below will cause premature wear on your guide bar over time.

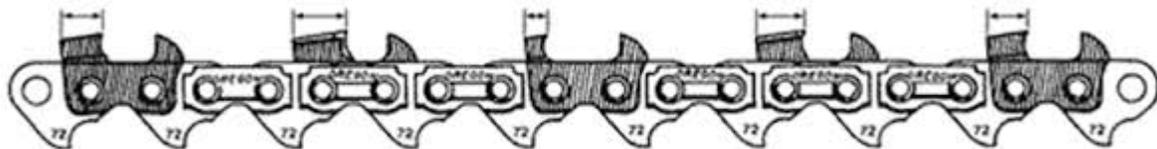


Figure 11

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Reference 6 from list on page 1

Wrong chainsaw drive link thickness and bar groove thickness combination.

Always make certain your drive link thickness is matched to your guide bar groove thickness.

Chain Drive Link .050 Guide Bar Groove .050

Chain Drive Link .058 Guide Bar Groove .058

Chain Drive Link .063 Guide Bar Groove .063

Having the wrong size chain drive link thickness for your guide bar will always cause your chainsaw to cut crooked. Guaranteed!

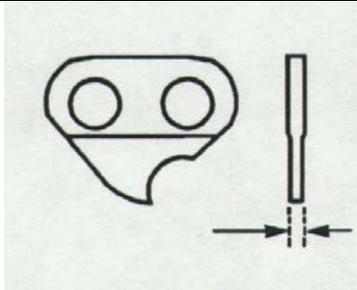


Figure 12

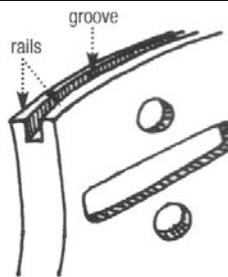


Figure 13

Once again, we would like your input on future Newsletter Topics. Send us an email at support@sharpchain.com with the subject newsletter.

We thank you for your business and loyalty as a customer, don't hesitate to send us an email with your questions to support@sharpchain.com

Best Regards and Happy Sharpening's,

Mark

www.sharpchain.com