

INSTALLATION AND MAINTENANCE GUIDE



PLEASE READ AND FOLLOW THESE INSTRUCTIONS

You have purchased the highest quality and longest lasting tire chains available to the forestry and heavy equipment industries. Please follow the instructional guidelines within this manual to ensure that you get the maximum life from your chains.

BABAC® chains, like all chains, will require maintenance. The Through Hardened™ steel links wear down with use, resulting in slightly longer and wider chains. Once this occurs, it is up to the user to keep the chains tight. Modifications and adjustments are outlined in this guide.

IMPORTANT POINTS TO REMEMBER

- Connect each side of the chain evenly
- Keep chains tight
- Follow instructions to properly modify chains

We hope to have eliminated many of the concerns relating to the installation and maintenance of your BABAC® tire chains in this guide. For further troubleshooting information, we have listed solutions to common tire chain problems.

1. TIRE CHAINS WON'T STAY ON THE TIRE

Improperly or unevenly tightened chains will often work their way off the tire. When installing or tightening your tire chains, be sure to tighten the center tails or tag chain and the side chain on each side the same amount (i.e. the same number of links). If you are unable to tighten the chains because they have become longer from wear, modification may be necessary to remove a section of the tire chain. Refer to the instructions inside this guide.

2. TIRE CHAINS ARE WEARING TOO FAST

If the concern is excessive stud or lug wear, check to ensure that the chains are properly tightened. Abrasive terrain such as rock and burn areas will cause the studs and lugs to wear more rapidly. Weather conditions also are a factor. A snowy winter will generally not cause as much wear as a winter with little snow. Link wear will be most prevalent when the chains are not tight. Sandy soil will increase link to link wear, as compared to clay or mud.

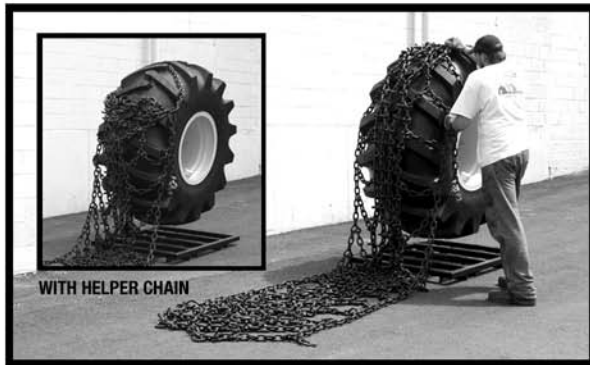
TIRE CHAIN INSTALLATION

1.



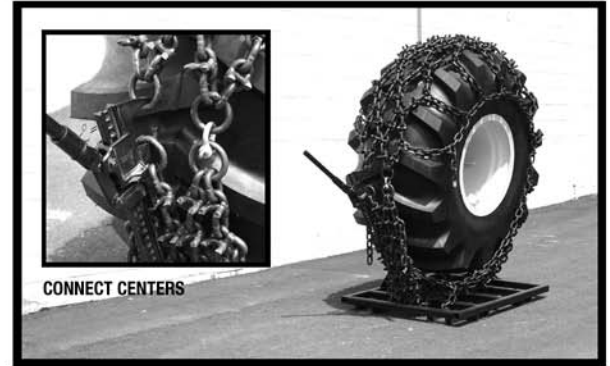
Lay chains out flat behind tire with studs (Diamond™ chains) or lugs (Ring chains) facing upwards. Spread the chain apart lengthwise and position it so that it will be centered on the tire.

2.



Pull a portion of the chain over the tire and use the tire lugs to help hold the chain in place. A helper chain or rope may also be used (see inset). Move the machine forward to bring the chain over the tire, spreading the Diamond or Ring sections apart to cover the width of the tire. Rotate until the chains can be connected at the centers.

3.



Connect the centers with the provided shackles, using a Chain Tightener (not included) to pull the two ends together. Some models will have extra links of chain on the round installation rings called 'tails'. The rings and extra tails are to assist in installation only, and may be removed if not required for fit.

4.



Connect the free cross chains to evenly spaced links on the side chain and then connect the side chains together. Be sure to tighten equally to ensure proper fit.

MODIFICATION DIAGRAM

When chains become worn and you can no longer tighten them fully, it will be necessary to remove a section of the chain to shorten them. The proper place to cut the chains is described in these diagrams. Remember to cut the end with the connected (welded) cross chains and not the end with free cross chains. These cross chains are required for proper tightening throughout the life of the chains.

SINGLE DIAMOND, DOUBLE DIAMOND AND TRIPLE DIAMOND

chains are all similar in how they are modified. Leave extra side chain in case it is needed and cut the Diamond at the tips, where the tag chains come together.

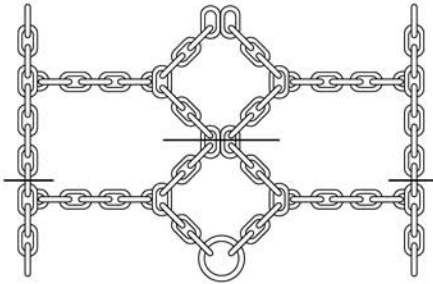
1.5 DIAMOND chains must be cut at the Diamond tip and at the tag chain on the half Diamond as indicated.

MULTI RING®, STANDARD RING AND ECONOMY RING CHAINS are also modified similarly. Cut at the tag chain where the cross chain meets the Ring to remove the section.

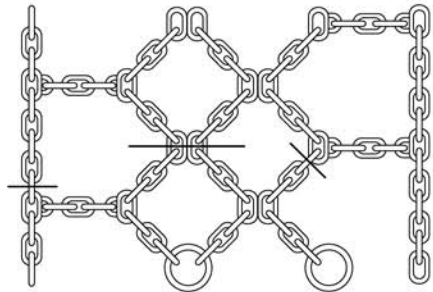
Once the cuts are made, reconnect the centers first with new shackles and then connect and tighten the free cross chains and side chains just as in the initial installation. Remove the excess side chain.

SINGLE DIAMOND™

Same for Double and Triple Diamond™

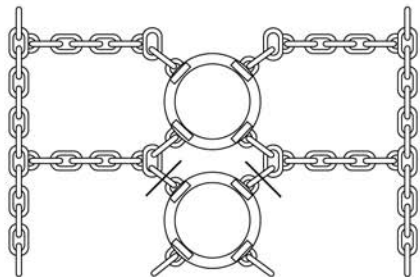


1.5 DIAMOND™



MULTI RING®

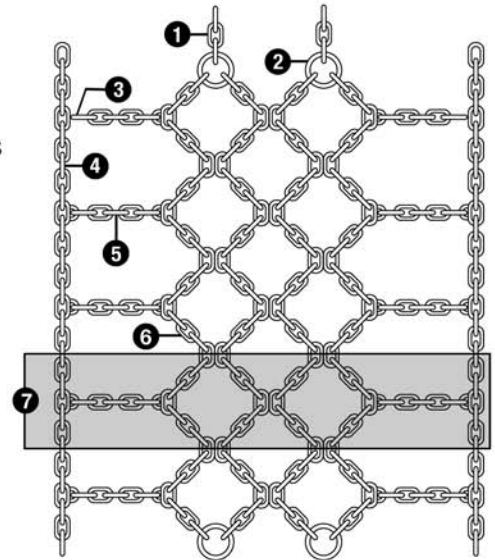
Same for Economy and Standard Ring



CHAIN DIAGRAM

DIAMOND™ CHAINS

- 1 TAILS
- 2 INSTALLATION RINGS
- 3 FREE CROSS CHAIN
- 4 SIDE CHAIN
- 5 CROSS CHAIN
- 6 TAG CHAIN
- 7 DIAMOND SECTION



RING CHAINS

- 1 FREE CROSS CHAIN
- 2 SIDE CHAIN
- 3 CROSS CHAIN
- 4 TAG CHAIN
- 5 RING SECTION
- 6 TAILS

