



TECH TIP
M2-07-0004(3)

INSTRUCTIONS TO CREATE 96 AND 144 STUD PATTERNS ON A 14" x 121" TRACK.

The Yamaha 07-09 Phazer models must have tunnel protection installed before studding. Damage to your snowmobile could result if tunnel protection is not installed. Yamaha and Hauck Power sports have a tunnel proctor kits.

Hauck Power Sports
715-234-6195

www.hauckpowersportsinc.com
Part Number- HPZTNL

Yamaha Motor Canada

www.yamaha-motor.ca

Part number SMA-8GC21-00-00 or 46D-S213-52A

Use these patterns only after tunnel protection is installed.

To create the 96 stud pattern on a 14" x 121" track you will use the 102 single stud, center belt pattern on the 128-TEMP.

Follow the same directions for the 102 single studs, center belt pattern. The difference will be the number of times the pattern is repeated/template moved to mark the entire track because of the different track length.

Refer to the picture on Woody's® 128-TEMP. Note, the 102 single stud pattern has a specific sequence of letters.

Note: ***A PITCH is the space between each lug row.***

1) This 128-TEMP template will accommodate 13.5", 14" and 15" wide tracks. At the ends of each lug slot a portion of the template is outlined in a black dotted line.

- To fit a 14" wide track remove the orange dotted outlined area.

If the entire lug slot is open, the modified template should not be used on 14" wide track widths

2) Remove the pre-punched knockouts adjacent to the letters in the 102 single stud, center belt pattern,

3) Place the template on the track. This template will cover 3 pitches with the lugs protruding through

4.) Begin marking with a Woody's® Track Marker ONLY the letter that apply to the 102 single stud, center belt pattern.

a. If installing Angled Digger® support plates, the hole(s) for drilling will be offset from the original pattern holes marked. Center the Angled Digger® support plate between the lugs over the original pattern marked. Create a new offset mark for drilling in the center of the hole of the Angled Digger® support plate. Refer to the Angled Digger® Support Plate Installation instructions included in the package.

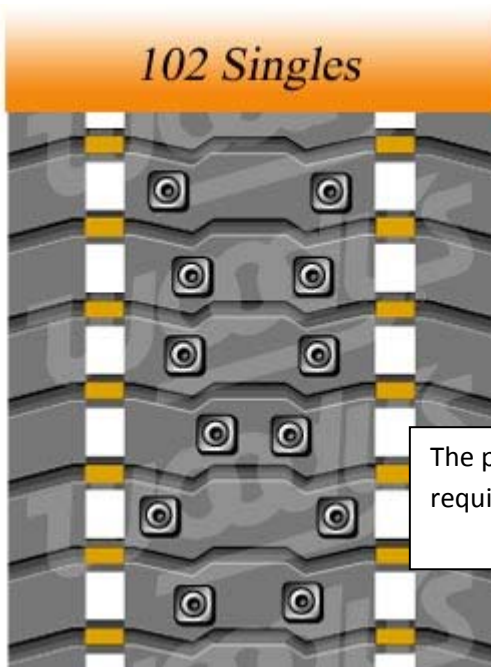
5) Move the template to cover the next 3 pitches and mark the pattern.

6) You should have 12 stud locations marked on your track, two studs per pitch for six pitches. See the illustration below.

To create the 96 stud pattern on a 14" x 121" track, move the template and mark the **pattern 8 full repeats, moving the template 16 times.**

7) Continue to move the template until the each pitch has a stud placement mark.

8) Note: Because different length tracks have different numbers of lugs it may not always come out evenly. But because you have 2 studs in every bar it will be balanced.



The pattern in this illustration is required moving the template twice.

128" Track 102 Pattern to create a 96 Pattern on a 121" Track. Mark all S's move and mark all T's

To create the 144 pattern, the 128-TEMP 153 SINGLE and DOUBLE STUD, CENTER BELT pattern pictured below can be used.

Follow the same directions on the template for the 153 pattern. The difference will be the number of times the pattern is repeated/template moved to mark the entire track because of the different track lengths.

Refer to the picture on Woody's® 128-temp. Note, the 153 single and double stud pattern has a specific sequence of letters.

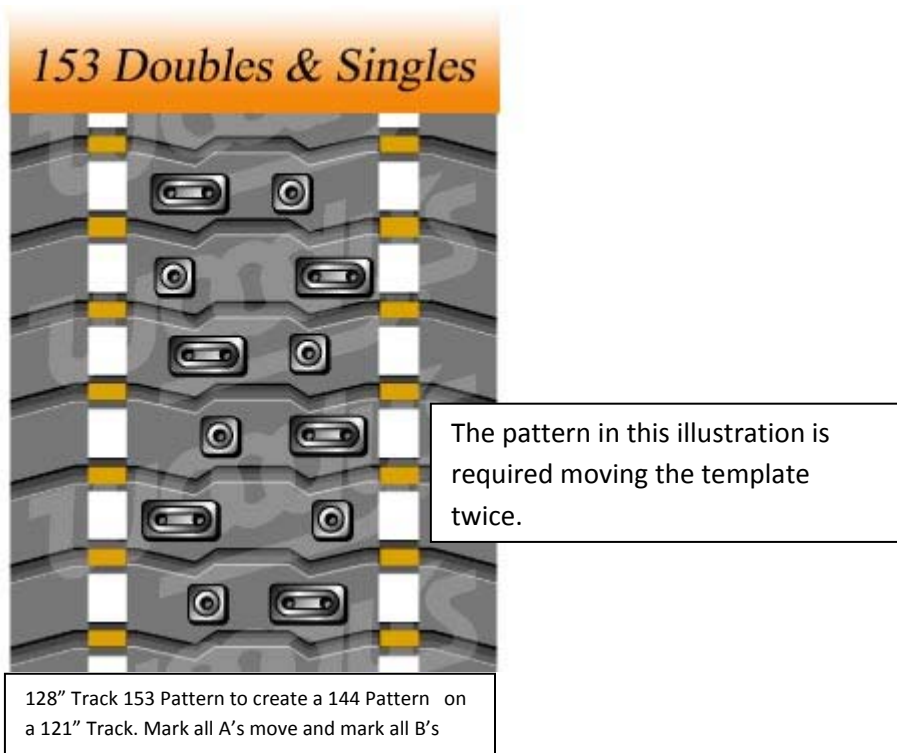
Follow STEPS 1 through 5 above. Then.....To create the 144 stud pattern on a 14 x 121" track, move the template and mark the **pattern 8 full repeats of the pattern, moving the template 16 times.**

7) You should have 18 stud locations marked on your track, three studs per pitch for six pitches using one single support plate and one double support plate in each pitch. See the illustration below.

To create the 144 stud pattern on a 14 x 121" track, move the template and mark the **pattern 8 full repeats of the pattern, moving the template 16 times.**

You will need 48 single support plates and 48 double support plates.

9) Continue to move the template until the each pitch has the studs placement marked.



Contact Woody's if you have any questions, with these patterns.

WARNING Review the snowmobile and track manufacturer's studding recommendations in your owner's manual. You may void your warranty if their recommendations are not followed. You must read and understand these instructions before drilling holes in your track, if you have any questions contact Woody's through the methods listed at the bottom of the page

www.WoodysTraction.com • E-mail: woodys@wiem.com
International Engineering & Mfg., Inc. • 6054 N. Meridian Road • Hope, MI 48628 • 989-689-4911 • Fax 989-689-4910 • © IEM 2004-2009. All rights reserved.