

SPEED TRAVELER INSTALLATION TOOL

All **SPEED** tools are pre-adjusted before delivery to assure proper operation. The tools are identified by a part number on the rail. (Refer to Figure #1). We currently supply 3 standard rails 1A, 2A and 1B, which should be used as follows:

<u>Rail Type</u>	<u>Application</u>
1A	Small travelers (3/8 circle)
2A	Medium travelers (5/8 circle)
1B	Large travelers (7/8 circle)

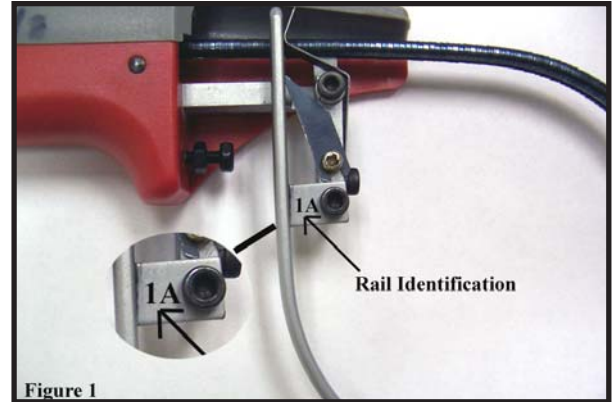


Figure 1

SPEED Tool Setup

Traveler Width Setting (Refer to Figure #2)

- Remove the traveler width setting screw.
- Insert correct traveler type and number on the shaft of the width setting screw.
- Re-install the width setting screw while pushing the cam plate forwards which allows the screw to position behind the cam plate.

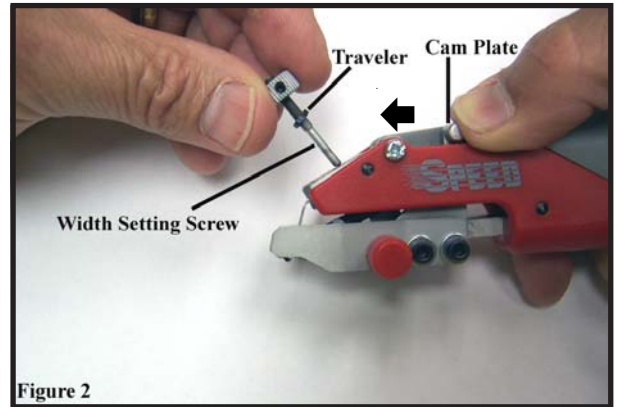
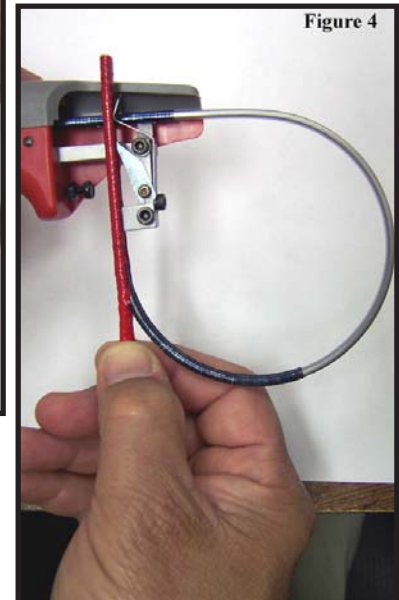


Figure 2

Loading the Traveler Rail (Refer to Figure #3)

- Push the cartridged travelers on the rail making sure that the flange opening is positioned towards the cutter.
- Maximum of 4 sticks can be installed on the rail.
- Remove the empty casing in the direction shown. (Refer to Figure #4)



Positioning the Traveler for Installation

-Tilt the **SPEED** tool in a downward position so that the travelers will slide down the rail. Push the “Cam Plate” completely forward.
(Refer to Figure #5)



-Lift your thumb, which will allow the “Cam Plate” to spring back.
(Refer to Figure #6)



-The traveler should now be hooked and positioned properly for installation on the ring. (Refer to Figure #7)



SPEED Traveler Tool Adjustments

Adjusting the Traveler Feeding Blade

The feeding blade transports the traveler down the rail into the correct position at the end of the hook. The feeding blade position should be adjusted properly before delivery of the tool. If for some reason the feeding blade does not function properly. (Example: The traveler is not transported and positioned at the end of the hook and/or 2 travelers come down the rail at the same time then adjustments will be necessary).

Note: Before adjustments are made, make sure that the correct traveler type and number are installed on the shaft of the width setting screw!

Adjustments:

-Loosen the 2 set screws on the knob of the traveler width setting screw.
(Refer to Figure #8)

-Hold the knob in a fixed position and then turn the socket head cap screw in the following direction:

-Counter-clockwise if the feeding blade is too far advanced.

-Clockwise if the feeding blade is too far back.

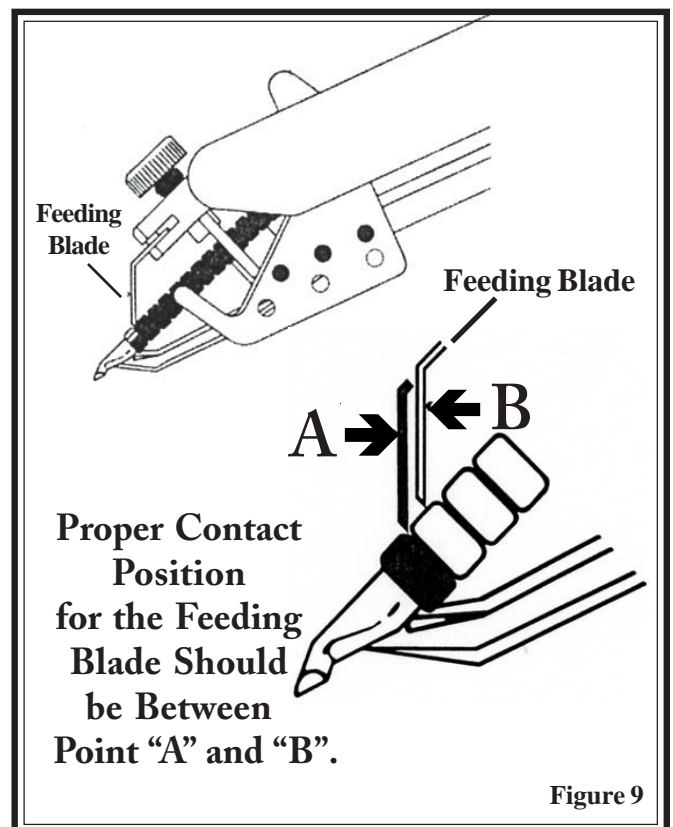
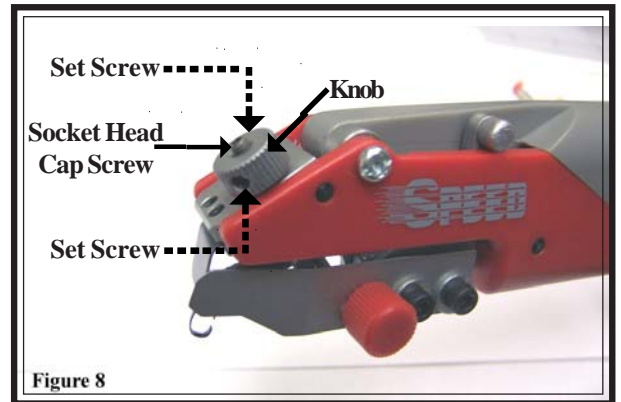
-After adjustment re-tighten set screws on both sides of the knob.

-The feeding blade position should now be rechecked as follows:

.Tilt the tool in a downward position so the travelers will slide down the rail.

.Push cam plate completely forward.

.Slowly pull the cam plate back until the feeding blade contacts the top of the traveler. The feeding blade should make contact between the 1st and 2nd traveler. **(Refer to Figure #9)**



Adjusting Pressure on the Traveler Hook Spring

-The traveler hook spring aligns and holds the traveler on the hook.

The pressure on this spring should be as low as possible, but strong enough to accomplish the following:

1. The traveler must be kept on the hook until it has been installed on the ring flange.
2. The spring pressure must be strong enough to keep the traveler between the hook and hook spring until the cam plate is pulled to the front stop. This will allow the next traveler to be loaded.

Adjustments: (Refer to Figure #10)

- Turn spring pressure adjusting screw clockwise if the traveler is loose or comes off the hook to easily.
- Turn spring pressure adjusting screw counter-clockwise if it is difficult to remove the traveler during the installation process.

Alignment of Spring Hook (Refer to Figure #11)

- Front edge of the feeding blade and front edge of the hook should be in alignment.
- When the traveler is positioned properly, the traveler foot should be covered by the hook spring as shown.

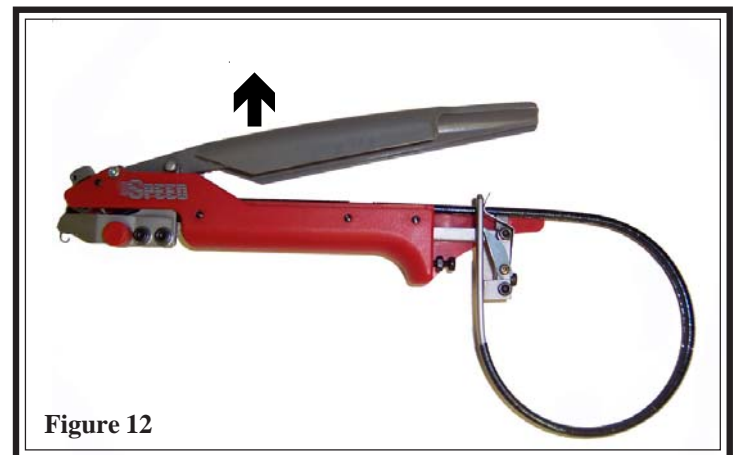
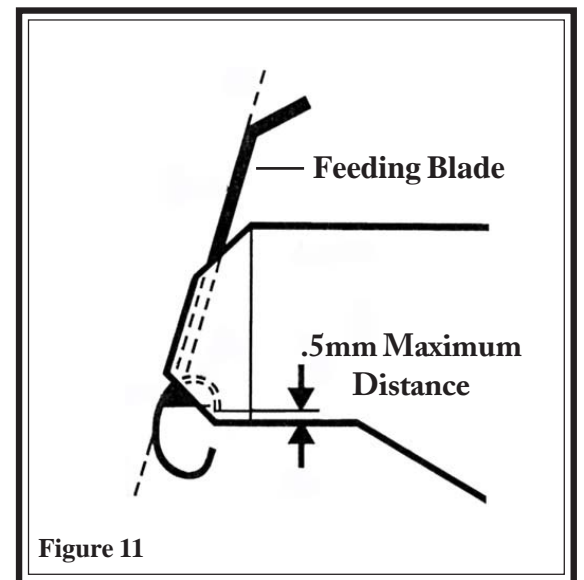
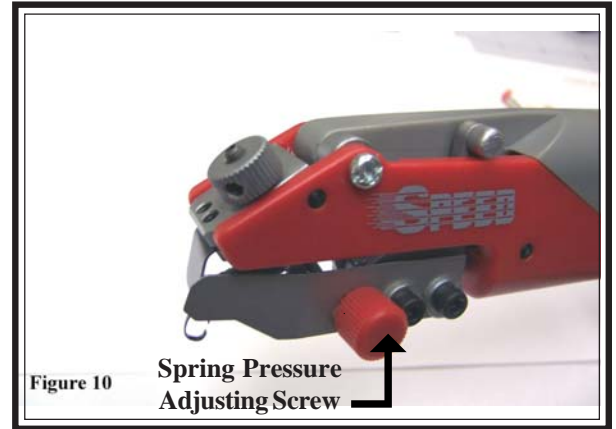
Note: Traveler position can be changed by adjusting the feeding blade.
(Refer to Figure #)

Maintenance

-The gray cover of the speed tool handle can be opened for the purpose of cleaning and/or removing jammed travelers.

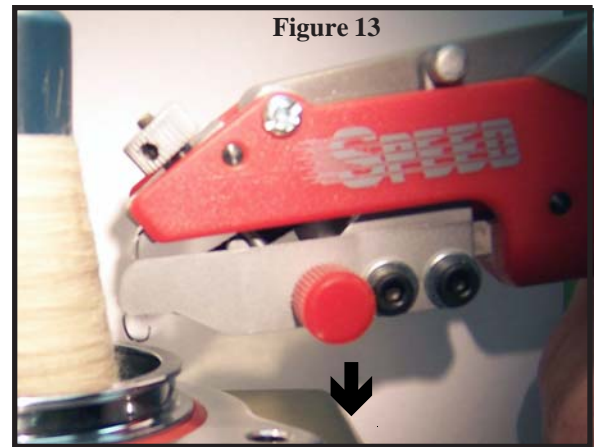
(Refer to Figure #12)

- Remove lint from inside of speed tool using compressed air.
- Feed rail and other moving parts should be periodically cleaned with lubriclens

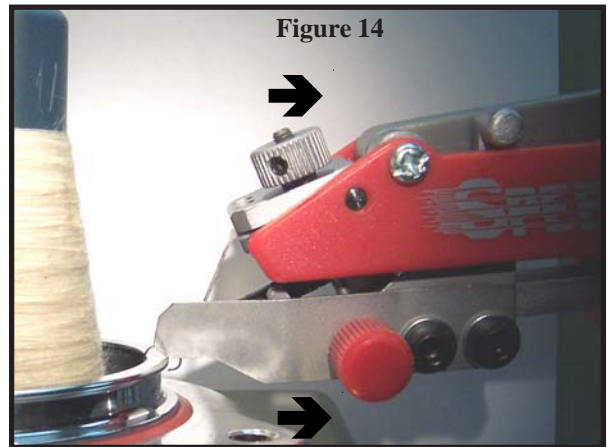


SPEED TRAVELER TOOL OPERATION

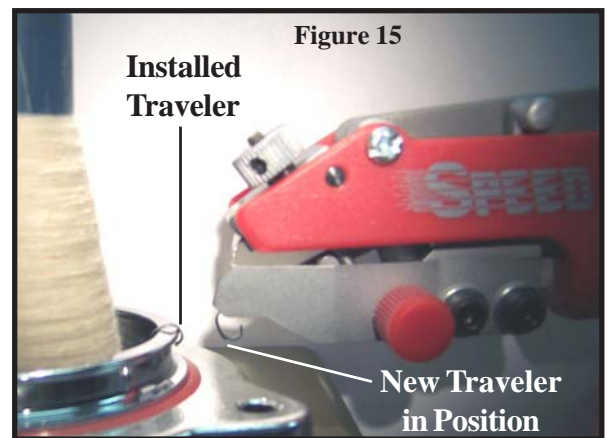
1. Stop the ring rail at the upper third of the bobbin. Place the Speed Tool so that the traveler is positioned between the ring flange and bobbin. (**Refer to Figure #13**).



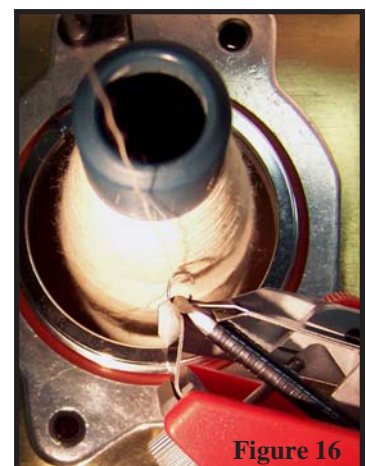
2. Pull the Speed Tool back in one smooth motion as per the direction shown. (**Refer to Figure #14**). The traveler will be hooked under the ring flange and the backward motion of the tool will install the traveler properly.



3. The traveler is now installed on the ring and the new traveler is positioned properly for installation on the next ring. (**Refer to Figure #15**)



NOTE: Some operators prefer to hook the yarn before installing the traveler on the ring! (**Refer to Figure #16**). In this case, the yarn should be hooked first, then follow the instructions above.



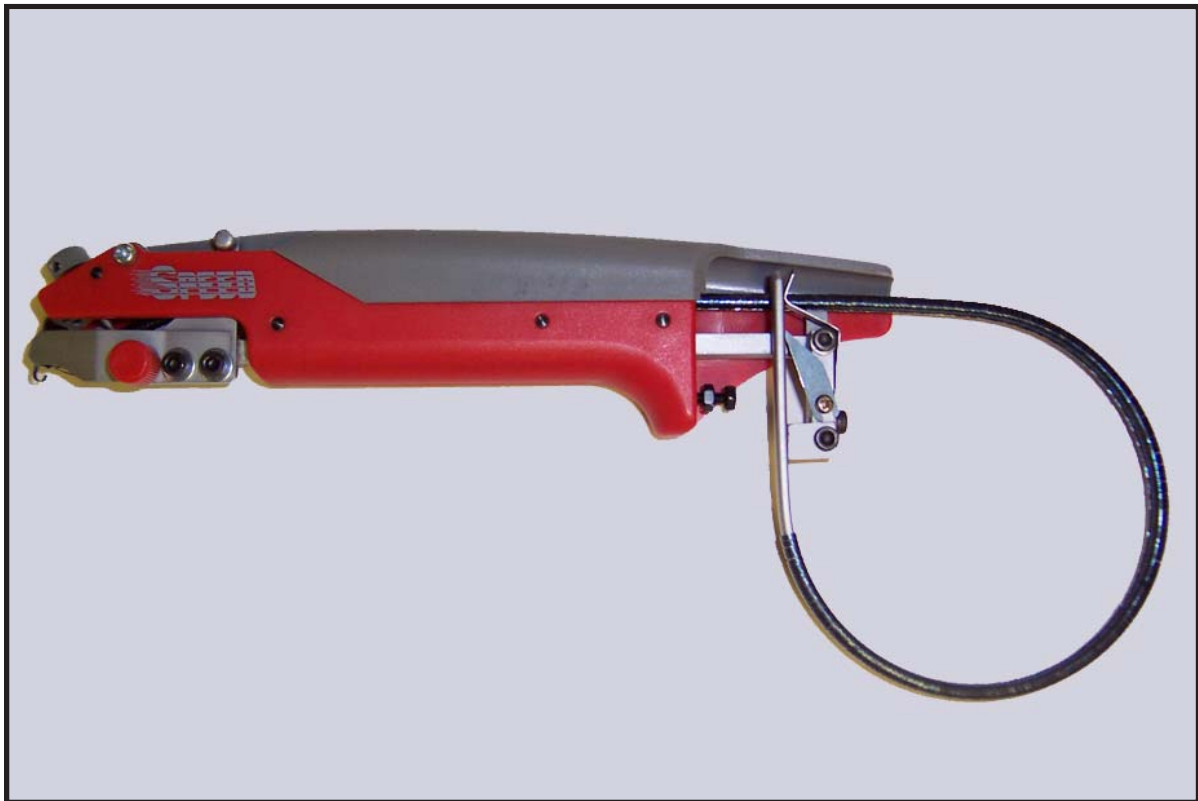
SPEED Traveler Tool

Customer Assistance Manual

SETUP

OPERATION

ADJUSTMENTS



**AB
CARTER
INC.**

Carter Traveler Company

P. O. Box 518 - Gastonia, NC 28053

Phone • (704) 865-1201 Fax • (704) 866-5258

Website: www.abcarter.com

Email: sales@abcarter.com