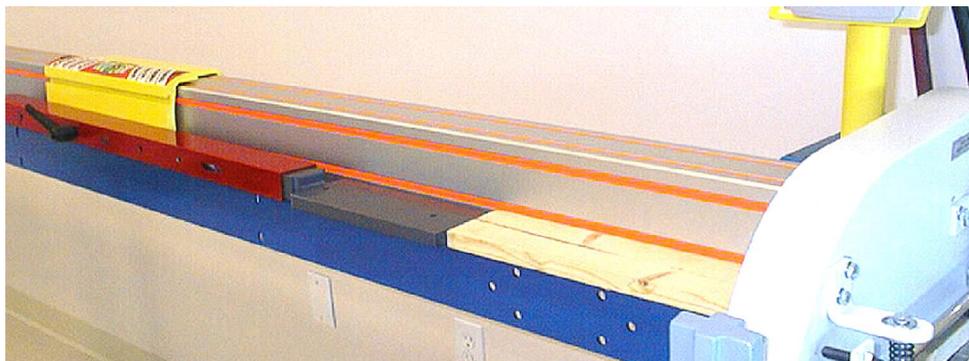


# TigerStop<sup>®</sup> Stop Attachment Guide

---

May 2006



## Contact information:

TigerStop LLC, Assembly Plant, 12909 NE 95<sup>th</sup> St., Vancouver, WA 98682

Tel: 360 254-0661 • Fax: 360 260-0755 • Website: [www.tigerstop.com](http://www.tigerstop.com) • Email: [service@tigerstop.com](mailto:service@tigerstop.com)

---

© 2006 TigerStop LLC



## Table Of Contents

GangStop.....	1
Miter Gauge .....	2
Pusher Foot .....	3
Pusher Miter .....	4
Pusher Miter Foot.....	5
Spring Buffer.....	7
Making TigerStop Accurate .....	8
It's time to calibrate!.....	8

# GangStop



Fig. 1

## Description and Use

The GangStop is a versatile, heavy-duty attachment composed of an extension sleeve (red, Fig. 2) and a pusher (blue, Fig. 3), designed to provide additional width for both push feed and set point stop applications.



Fig. 2



Fig. 3

With an overall maximum length (including extension sleeve) of 38¼”, a height of 3”, and a width of 10”, when attached to the flip-away stop in its most forward position, it can extend the range of movement right to the saw blade. After adjusting the gangstop to the desired position, it is locked down by means of ratchet handles (Fig. 4).



Fig. 4

**IMPORTANT!** When using a gangstop, TigerStop must be re-zeroed with reference to the new position provided by the gangstop.

**Continue**  Making TigerStop Accurate

# Miter Gauge



Fig. 1

## Description and Use

The Miter Gauge is a versatile, heavy-duty attachment that creates a 45° mitred stop surface for angled cutting. When used alone (MG, Fig. 2), it is attached directly to the flip-away stop (Fig. 3) to extend TigerStop's range of movement from 10" ~ 24".

As an EXTENDED Miter Gauge (MGX, Fig. 1), an adjustable metal sleeve (red, Fig. 4) extends the range of the Miter Gauge an additional 9 inches to an overall range from 13" ~ 33".

MG and MGX are adjustable in relation to the stop position and ambidextrous (can be used on right or left-handed TigerStops). After adjusting the Miter Gauge to the desired position, it is locked down by means of a ratchet handle. The Extended Miter Gauge is locked down by means of two ratchet handles. The Miter Gauge (blue, Fig. 5) can be removed from the metal extension sleeve and used alone.



Fig. 2



Fig. 3



Fig. 4



Fig. 5

**→ IMPORTANT!** When using a miter gauge, TigerStop must be re-zeroed with reference to the new position provided by the miter gauge.

**Continue → Making TigerStop Accurate**

# Pusher Foot



Fig. 1

## Description and Use

The TigerStop Pusher Foot is a durable PVC attachment for the flip-away stop that extends the range of movement, so the pusher can come right up to the saw blade if necessary. When used alone (PF, Fig. 2), it is attached directly to the flip-away stop (Fig. 3) to extend TigerStop's range of movement from 10" ~ 24".

As an EXTENDED Pusher Foot (PFX, Fig. 1), an adjustable metal sleeve (red, Fig. 4) extends the range of the Pusher Foot an additional 9 inches to an overall range from 13" ~ 33".

PF and PFX are adjustable in relation to the stop position and ambidextrous (can be used on right or left-handed TigerStops). After adjusting the Pusher Foot to the desired position, it is locked down by means of a ratchet handle. The Extended Pusher Foot is locked down by means of two ratchet handles. The Pusher Foot can be removed from the metal extension sleeve and used alone (blue, Fig. 5).

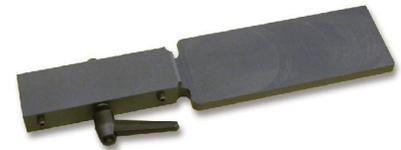


Fig. 2

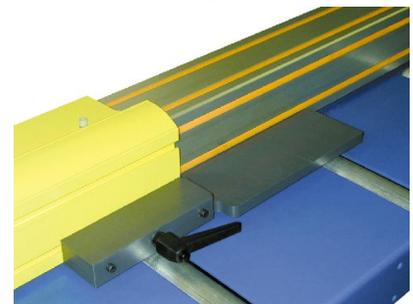


Fig. 3

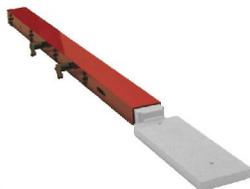


Fig. 4

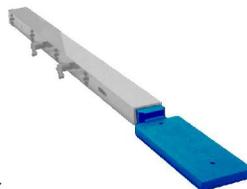


Fig. 5

**IMPORTANT!** When using a pusher foot, TigerStop must be re-zeroed with reference to the new position provided by the pusher foot.

**Continue**  Making TigerStop Accurate

# Pusher Miter

## Description and Use

Double miter saws can be easily retrofitted with a TigerStop using the Pusher Miter and standard feed tables and other accessories.

The pusher miter consists of a PVC block that attaches to the flip-away stop and an aluminum pusher bar that feeds molding through the miter saw (Fig. 1).

TigerStop can be used both as a pusher and a positioner in this application.

Fig. 1

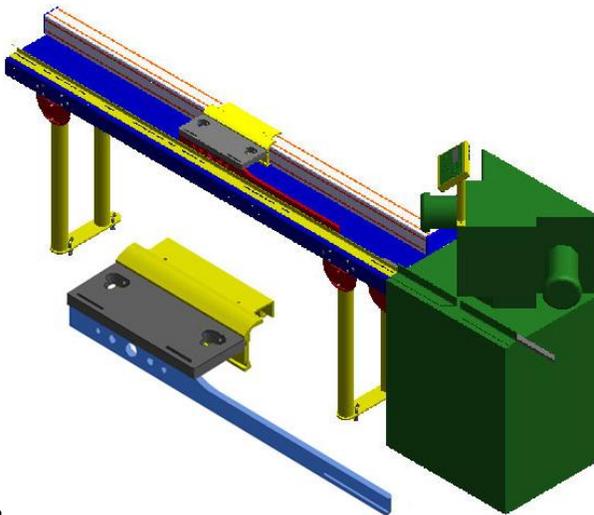
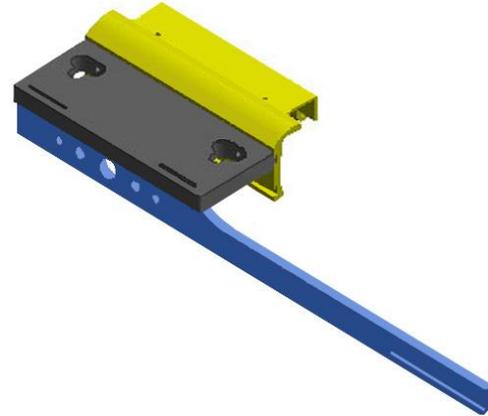


Fig. 2

In this application, a standard TigerStop back fence is mounted in front of and parallel to the stop in order to provide a guide for the material that lines up with the saw's fence (Fig. 2).

See Double Miter Saw Application, for a complete explanation and parts order list.

## Installation

The pusher miter easily attaches to the flip-away stop using bolts which are accessible through perforations in the heavy-duty PVC mounting block. Adjustment forward or backward is possible for the pusher through slotted holes in the mounting block.

**IMPORTANT!** When using a pusher miter, TigerStop must be re-zeroed with reference to the new position provided by the pusher miter.

**Continue**  Making TigerStop Accurate

# Pusher Miter Foot

## Assembly instructions

1. Attach TigerStop tables to your miter saw.

*Note that on some saws you may have to cut away part of the tables to reach the saw's top at the fence.*

2. Using a long straightedge (such as a 6' level), draw a line out along the table extending the line of the miter saw's fence.

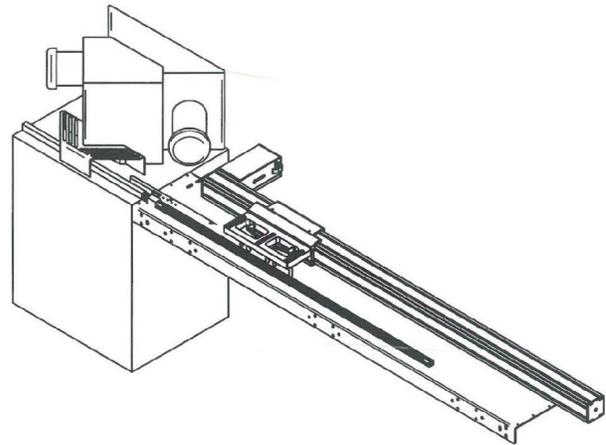


Fig. 1

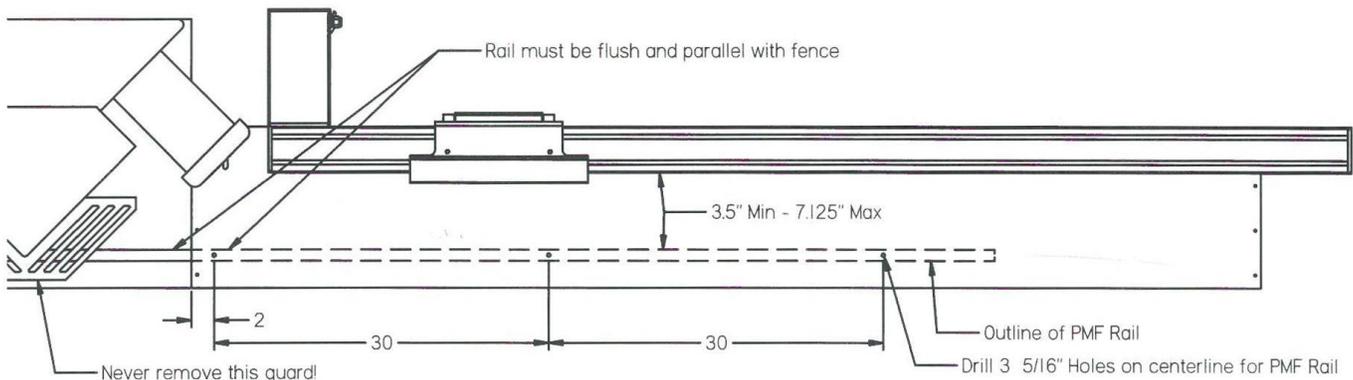


Fig. 2

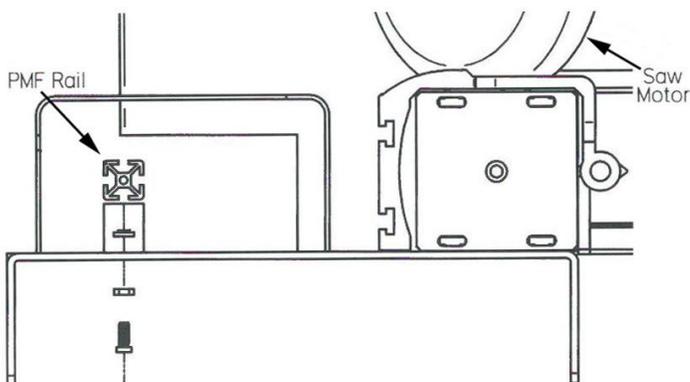


Fig. 3

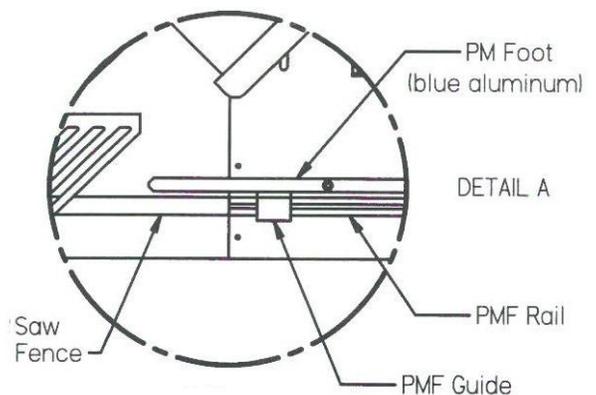


Fig. 4

3. Mark, center punch and drill 3 5/16" holes 1/2" in from the line (Fig. 2).
4. Mount the PMF rail on the table (Fig. 3), in line with the miter saw fence (Fig. 4, Detail A).
5. Check that the PMF rail is in line with the fence with your straightedge.
6. Loosely install TigerStop onto the table 7" back from the PMF rail (Fig. 2), being very careful to keep it parallel to the PMF rail.

## Stop Attachment Guide

*If necessary, TigerStop can be closer to the fence line, up to 3.5", but it must be absolutely parallel.)*

7. By hand, slowly pull the stop carriage towards the saw blade until it comes to the motor end of the fence beam.
8. Remove the PMF guide from the PM foot (Fig. 4)
9. Install the Pusher Miter foot on the flip-away stop.
10. Check that TigerStop is absolutely parallel to the PMF rail.

*The easiest way to do this is to cut a long spacer strip on your table saw the width of the space between the PMF rail and TigerStop and use it as a guide while doing the final tightening of the TigerStop mounting bolts. Do not tighten the mounting bolts down yet!*

 **IMPORTANT!** The following procedure is required to avoid damaging TigerStop!

11. Slide the entire TigerStop away from the saw until the tip of the pusher miter foot is clear of the saw blade path and as close to the blade as necessary to make your smallest cut.
12. Tighten the Tigerstop mounting bolts after making sure the TigerStop is parallel to the PMF rail.
13. Loosen the 3 bolts that hold the blue aluminum foot to the gray PVC block.
14. Slide the PMF guide onto the PMF rail, and use it as a spacer to align the aluminum foot to the rail, checking at both ends of the foot.
15. Now you can install the PMF guide on the PM foot, as close to the saw fence as possible using 2 of the 6 tapped holes on the PM Foot.

*It is very important to make sure that the PMF guide will not crash into the saw fence when the TigerStop comes to the end.*

16. Now power on TigerStop and calibrate it!

 **IMPORTANT!** When using a pusher miter foot, TigerStop must be re-zeroed with reference to the new position provided by the pusher miter foot.

**Continue**  Making TigerStop Accurate

# Spring Buffer

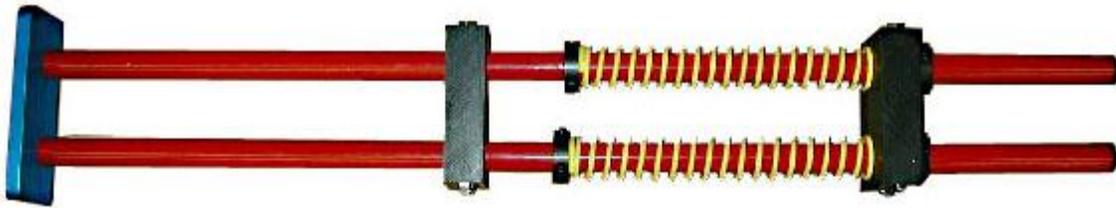


Fig. 1

## Description and Use

The Spring Buffer is used when the material being processed is exceptionally heavy and damage might occur if an employee were to move material against the stop with too much force. The use of the spring buffer will extend belt life, allow the processing of materials heavier than normal, and protect your TigerStop from abuse and negligence in its operation.

## Installation

The Spring Buffer is easily mounted to the flip-away stop using the bolts in the PVC attachment blocks (Fig. 2).



Fig.2



Fig. 3

**→ IMPORTANT!** When using a spring buffer, TigerStop must be re-zeroed with reference to the new position provided by the spring buffer.

**Continue** → Making TigerStop Accurate

# Making TigerStop Accurate

**Concept** → Calibrate TigerStop to set its distance from zero. Calibrate whenever the saw blade is changed, or when you add or remove a stop attachment, such as a gangstop or pusher foot.

**How to Do It** → From a position at least 12" out, enter a length of 10".

1. Press   .

*The stop moves inbound to a position 10" from the saw blade.*

2. Cut a piece of stock at this length and carefully measure it.

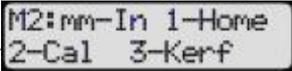
*It should be right on 10". If it is accurate, no need to calibrate.*

*Be sure to use an accurate measuring tool. TigerStop can be only as accurate as you make it!*

→ If the sample cut measured 10<sup>1</sup>/<sub>4</sub>" instead of 10"...

## It's time to calibrate!

**Continuing** →

3. Press   → . The M2 menu displays.

4. Press  → . The M4 menu displays.

*You enter the actual measured length of your sample piece at this screen.*

5. Press       .

*This will save the original position of 10" as 10.25", correcting the inaccuracy.*

6. Cut another sample piece using the same procedure, starting at step 1 above.

*If the sample piece measures the same as the position shown on screen, TigerStop is calibrated. If it is still off, repeat the process.*



© 2005 TigerStop LLC

Assembly Plant, 12909 N.E. 95th Street, Vancouver, WA 98682 U.S.A. - TEL: 360-254-0661 - FAX: 360-260-0755