DOUBLE X-WING BUTTON FRONT HOLESHOT HOOKUP INSTRUCTIONS

You may view and/or print these instructions in color by .PDF format at **ww.tamermotocross.com** under the support tab, then scroll down to instructions. The installation process takes 30 minutes or less. **Any questions, please call Tamer at 402-420-9557 BEFORE YOU DRILL HOLES AND RUIN YOUR FORK GUARD.**

Before you begin the installation process, please read through these entire instructions to be familiar with the installation procedure. If you feel this project is above your ability, please seek the services of your local bike shop or a professional mechanic.

If installing the front Holeshot Hookup on any Honda 125cc and larger, you need to purchase the Honda Fork Guard Bracket, Part # FGB-401.

TOOLS NEEDED

Specialty tools to make install easier

This is a RYOBI 1/2" countersink bit used to drill the 1/2" holes & chamfer the 3/16" small holes from the inside of fork guard. Available at Home Depot SKU #172049

This is a HDX deburring tool for deburring 1/2" holes. Available at Home Depot SKU #1000012507

- Drill
- Thread locker
- Sharpie Marker
- Masking Tape
- Metric Allen Wrench Set
- Tape Measure
- Phillips Screwdriver
- Tools to remove fork from motorcycle
- 3/16" Drill Bit
- 1/2" drill bit or 1/2" deburring bit
- Deburring Tool

Included in Double Button X-Wing Package

1 - Ring & Bolt
2 - Instruction QR Code
3 - Base Screws Short (4)
4 - Base Screw Long (1)
5 - Drill Template
6 - X-Wing Bracket
7 - Double Button Base
- Tamer Fender Sticker

HOW THE DOUBLE BUTTON SYSTEM WORKS

1 - The upper button is moderate fork compression ideal on concrete, sandy, dry slick or limited traction starts and is easily latched.

2 - The lower button is max. fork compression for tacky dirt, high traction & metal grate pads. The lower button will take some effort to latch and will take the rider and a helper to latch this button. If you can leave a foot print in the dirt, then use the lower button.

IMPORTANT SECTION

1 **DO NOT** leave activated while sitting on stand. Once activated, the forks apply pressure by trying to rebound and this can damage the plastic fork guard. **DO NOT** place head directly on or near handlebars while the Holeshot Hookup is latched.

2 **VERY IMPORTANT** - Make sure you farm the area behind your gate ensuring a smooth ramp of dirt over the starting gate when the gate drops. If there is a large bump at starting gate, this may deactivate the Tamer device once the front wheel hits the bump or gate defeating the purpose of the device.

3 **IMPORTANT** - Wash the button device to remove dirt and debris. Be sure to clean and lubricate the push rod at the springs with WD-40 or similar after each wash and before each use. Other than that, there is no maintenance or disassembly required. This is a very simple system.

DO NOT LATCH THE SYSTEM UNTIL AT THE STARTING LINE

DOUBLE BUTTON SETTING CHART	
TERRAIN	**BUTTON**
DRY SLICK	TOP
CONCRETE	TOP
SLOPPY MUD	NONE
STICKY MUD	TOP
DRY DIRT w/ LITTLE MOISTURE	BOTTOM
GOOD TRACTION	BOTTOM
REALLY TACKY/STICKY DIRT	BOTTOM
METAL GRID START PAD	BOTTOM
IF YOU CAN LEAVE A SHOE PRINT IN DIRT	BOTTOM

Unhooked Position

Top Button Position

Bottom Button Position

INSTALLATION INSTRUCTIONS

1 On picture page 5 and 6, find your make, model and bike year and determine where the Tamer fork ring is to be mounted. **SPECIALTY FORKS ARE SHOWN ON PAGE 6.** **KTM BIG BIKES** - Pay attention to the picture on page 5, HH-10. You must remove the black plastic wear ring on the OEM WP forks & Ohlins TTX forks to mount the ring in this same area. **IT DOES NOT MOUNT ON THE STEP ABOVE THE PLASTIC RING.**

2 Remove throttle side fork leg from bike. DO NOT remove fork guard yet. Slide the Tamer ring down the fork tube into position shown on picture page 5 or 6 making sure the ring groove is facing upward. Do not tighten fork ring bolt yet. You may have to expand ring to get over upper part of fork tube.

3 Install fork leg and front wheel back onto bike per manufacturer's instructions and specifications.

4 Remove bike from stand, sit on the bike in the start position. Push up and down on the forks a few times while holding the front brake. Now, make sure the forks are in a slight compressed position and hold that position.

5 While sitting on the bike in the start position, have a second person mark where the top of the fork ring meets the plastic fork guard with a horizontal mark.

6 Remove throttle side plastic fork guard from fork.

7 From line you made in **STEP 5**, measure down 1-1/2" on fork guard and mark a second horizontal line.

8 Find center of fork guard & draw a vertical line at the 2nd horizontal line making a crosshair mark.

9 Find the 5 screws and metal template in the packaging. With your fingers, slightly bend the 2 tabs on the template into an arc shape.

10 Place the large hole (A) in the metal template at the crosshair lines you made on fork guard in **Step 7** and tape the template in place using masking tape making sure the template is vertically straight.

11 After making sure template is vertically straight, tape over the entire template to hold it firmly in place.

12 Drill 3/16" holes through 5 small holes in metal template. Holes B1 - Drill straight thru fork guard. Holes B2 - Tilt drill to drill at angle of fork guard.

13 Drill through both 1/2" holes as close to center as possible with the 3/16" drill bit. This will make the 1/2" hole drill much easier. See B3 marking.

14 Place the 5 small screws through the template holes B1 and B2 from the outside to hold the template in place for drilling the 2 larger 1/2" holes. This keeps the template from moving while drilling larger 1/2" hole(s).

15 Drill (2) 1/2" holes (A) with deburring bit or drill bit through larger holes in template. BE CAREFUL IF USING DRILL BIT, IT WILL BITE & TWIST. GO VERY SLOW SPEED WITH DRILL with little pressure. Take your time here.

16 Remove the metal template. **You are done with it.** Debur any plastic from the 2 large holes inside and out. 1/2" holes need to be round and smooth. You can use a razor blade or preferably, a deburring tool. This step shows Tamer using a deburring tool. See TOOLS LIST on page 1 for this tool at Home Depot. **DO NOT MOUNT TEMPLATE ON FRONTSIDE OR BACKSIDE OF FORK GUARD—IT IS SUED FOR DRILLING ONLY**

17 THIS STEP IS VERY IMPORTANT - Countersink the 5 small holes from the backside of plastic fork guard using the 1/2" countersink bit as shown in the picture. See TOOLS LIST on page 1 for this tool at Home Depot. If using 1/2" drill bit, DO IT BY HAND so it does not grab and go through the plastic guard, trust us here! The mounting screws **MUST** be flush with the plastic when tight. Take your time and do it right. **DO NOT ALLOW THE SCREWS TO COUNTERSINK THE PLASTIC. THIS WILL JUST PUSH OUT THE PLASTIC AND MAKE YOUR INSTALL WORTHLESS AND ABOUT GUARANTEE THAT THE BUTTON WILL PULL THROUGH THE PLASTIC.**

When countersinking the 2 screw heads for the X-Wing bracket, tilt drill so it is perpendicular to face of inside of fork guard.

18 Apply thread locker to all 5 screws. **NOTICE 1 SCREW IS SLIGHTLY LONGER. KEEP SCREW TO SIDE.** Install the X-Wing bracket onto the double button base

19 Hold base and X-Wing to fork guard & Install top and bottom phillips screws through smaller holes drilled in fork guard from the inside. DO NOT TIGHTEN.

20 Install the 2 side phillips screws into the X-Wing. DO NOT TIGHTEN.

Tighten all four (4) phillips head base screws starting with the upper and lower screws first. **DO NOT overtighten, only snug**, as the thread locker will hold the screws in place. If the base screws begin to bulge the plastic material outward, STOP and countersink the holes a tad bit deeper.

21 The longer phillips head screw is installed into the remaining center hole into the X-Wing bracket and tighten.

Make sure all 5 screw heads are flush with plastic fork guard surface so that the fork rink or fork will not rub and catch the screws.

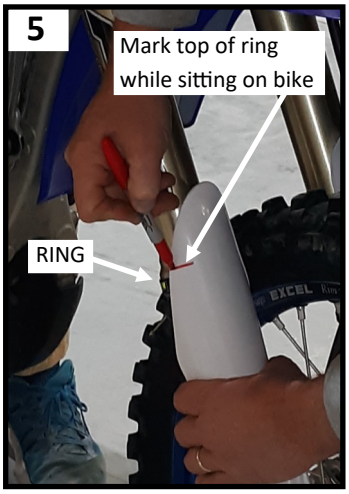
Install plastic fork guard back onto fork.

Make sure the button unit is now in line with the ring groove then tighten the ring. If it is not in line, rotate the ring so that the push button will land within the ring groove. Compress the suspension up and down and make sure the ring is not rubbing on the screws. If the ring is rubbing on the screws, you must remove the fork guard and countersink the screws further. **RECOMMENDED TORQUE FOR RING BOLT IS 30 in-lb (2.5 ft-lb)**

After all is tight, remove bike from stand, sit on bike and hold the front brake. Push down on the front suspension with a rocking motion and while pushing down, latch the upper button in place. Now hold front brake and compress front forks to release.

To latch the lower button, hold front brake and push on front suspension with a rocking motion while having another person pull down on the handle bars. While you are pushing and the second person is pulling down, have the second person latch the lower button. The lower button will take some effort, but this is one of the benefits of the Tamer double button system. **MAKE SURE RING TRAVELS PAST PIN/BUTTON BEFORE PUSHING PIN TO LATCH.**

5



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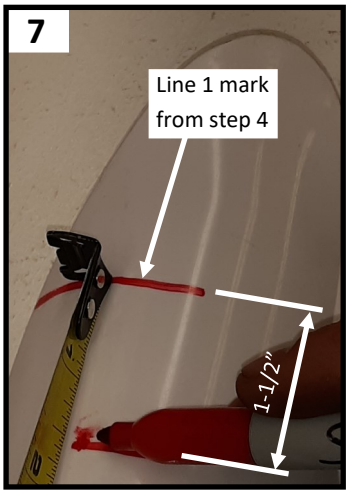

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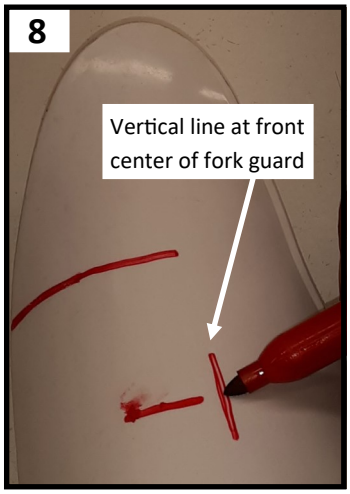

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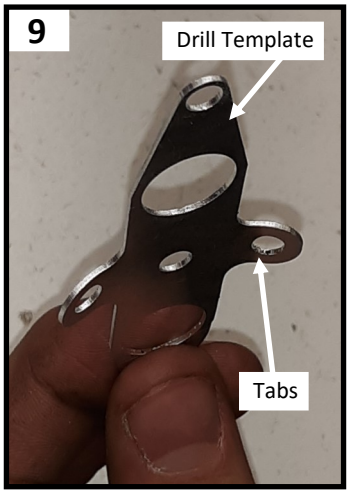

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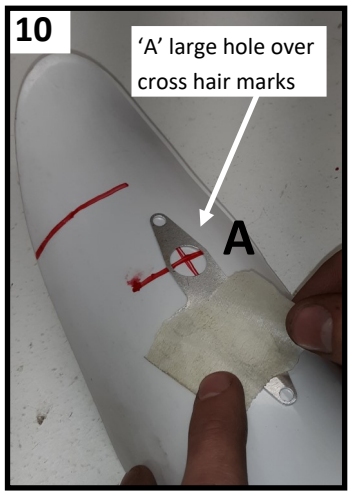

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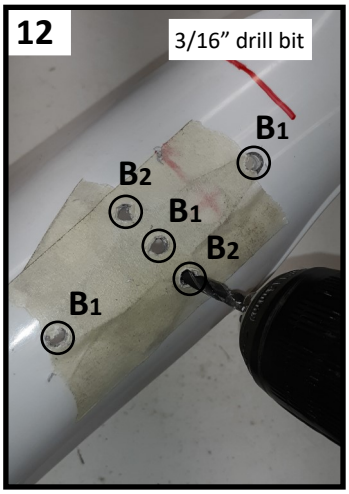

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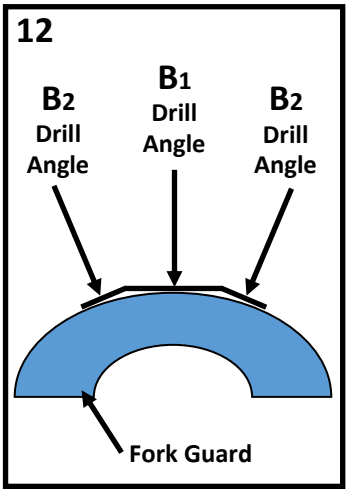

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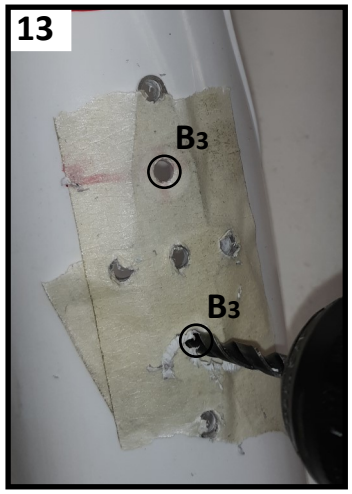

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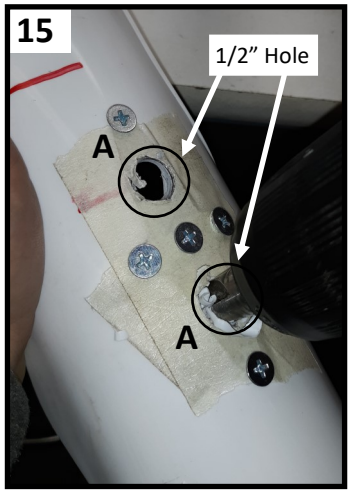

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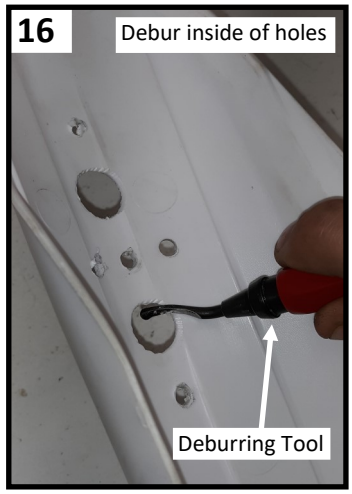

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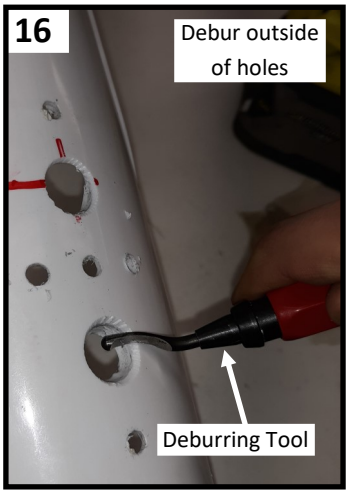

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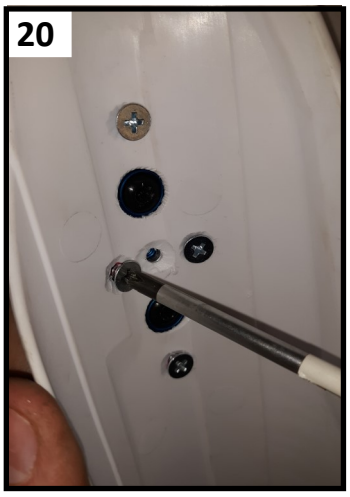


DO NOT MOUNT TEMPLATE ON BACKSIDE OF FORK GUARD . . . THIS GUY DID & IT DID NOT END WELL FOR HIS FORKS OR SEALS

Once either button is latched, the Tamer Holeshot Hookup will hold down your forks until the front wheel impacts a bump or the forks dive from the front brake releasing the system.

DON'T PANIC. Although it seems the lower button is latched hard, it will come unhooked and it provides excellent traction.

CHECK OUT TAMER'S REAR STARTING DEVICE @ www.tamermotocross.com
A PERFECT MATCH FOR YOUR FRONT DEVICE.

STEP 1 - PICTURE PAGE FRONT - PAGE 5

If your bike is not pictured, then slide the fork ring onto the fork until it fits in the correct area on the fork where ring will tighten down.

FILE T1C1 12/4/19

1 HH-06

2016 - 2020 Suzuki RMZ250
2011 - 2020 Suzuki RMZ450

1 HH-06

'07-'20 Yamaha YZ125/250, YZ250F/450F

1 HH-06

1998 - 2007 Honda CR125/250
2004 - 2010 Honda CRF250R/450R

1 HH-06

TM MX125/250
TM 250FI/450FI/530FI - TM MX300

1 HH-07

2019 - 2020 Yamaha YZ85

1 HH-07

2018 - 2020 Yamaha YZ65

1 HH-07

2002—2020 Suzuki RM 85

1 HH-07

2012 - 2020 Cobra CX 65

1 HH-08

2014 - 2020 Husqvarna TC85

1 HH-08

2020 KTM 85SX

1 HH-08

04-19 KTM 85SX, 04-11 KTM 105SX
2005—2007 125/250SX—250/450SXF

1 HH-08

Must use Fork Guard Bracket FGB-401
2011 - 2020 Honda CRF250 - CRF450

1 HH-08

2005 - 2008 Suzuki RM125 & RM 250
2011 - 2015 Suzuki RMZ250

1 HH-08

2007 - 2019 Kawasaki KX250F
2007 - 2020 Kawasaki KX450F

1 HH-08

2017 - 2020 TM MX85/100

1 HH-09

2001 - 2007 Honda CR80/CR85
2007 - 2020 Honda CRF150

1 HH-10

Ohlins TTX Cartridge Fork

1 HH-10

2020 Kawasaki KX250F

1 HH-10

KTM 125/150/250SX, 250/350/450SX-F & Husqvarna TC, FC, TE, FE 125cc & Up 2015 - 2020

1 HH-15

2014 - 2020 Cobra CX50 jr & CX50 sr

1 HH-16

2001 - 2018 Yamaha YZ85

1 HH-17

2006 - 2020 KTM 50SX & 50 Mini
2006 - 2020 KTM 65SX

1 HH-17

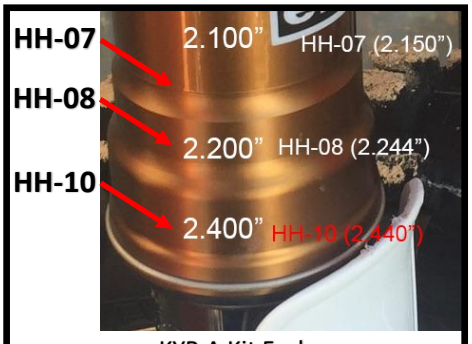
2006 - 2020 Kawasaki KX85

1 HH-18

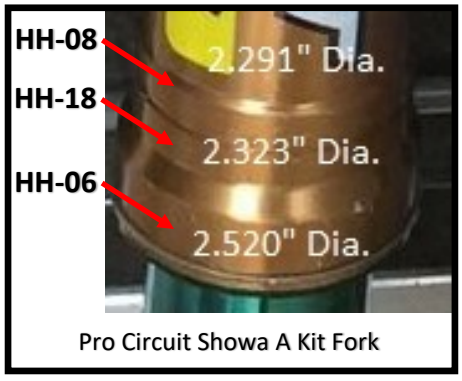
WP CONE VALVE FORK

1 HH-18

Ohlins RFX48 Forks

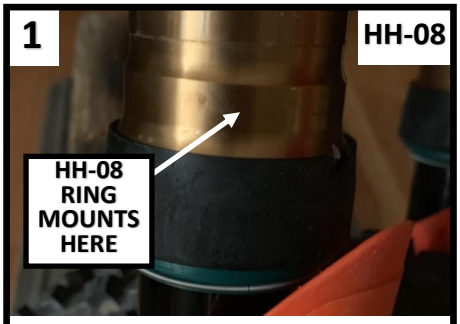


KYB A Kit Fork



Pro Circuit Showa A Kit Fork

1 HH-08



KYB Factory Kit Spring Fork

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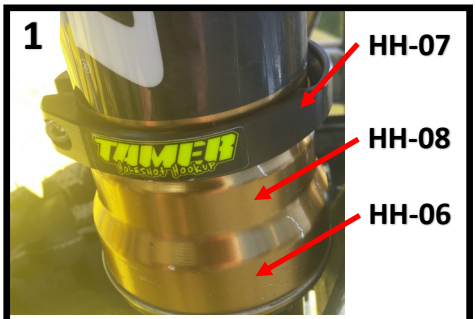
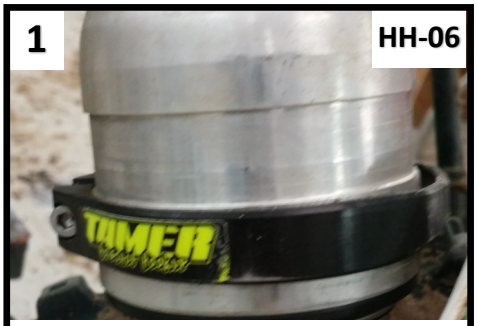


Showa A Kit Fork

THIS PAGE SHOWS RING MOUNTING PICS FOR OLDER MODEL BIKES.

1 HH-06



2002—2007 Kawasaki KX125/250

1 HH-08

2005 - 2007 KTM125/250SX, 250/450SX-F

1 HH-12

2005 - 2013 Cobra CX50 jr & CX 50 sr

1 HH-14

2002 - 2006 Yamaha YZ125/250, YZ250F/450F

1 HH-09

Ring mounts on lowest area of fork

2007 - 2011 Cobra CX 65