



Thank you For your purchase of the Tamer holeshot device. 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.

# SINGLE BUTTON FRONT HOLESHOT HOOKUP INSTALLATION INSTRUCTIONS



**TO BEGIN - SEE PAGE 2 & 3 FOR RING PLACEMENT FOR YOUR MAKE, MODEL & YEAR OF BIKE.**



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.

## TOOLS NEEDED

### Specialty tools to make install easier



This is a 1/2" countersink bit, 82 degree used to drill the 1/2" holes & chamfer the 3/16" small holes from the inside of fork guard. Search 1/2" 82 degree countersink bit at Home Depot, Lowes or Menards.



This is a deburring tool. Search deburring tool at Home Depot, Lowes or Menards. Both of these tools are worth having in your toolbox.

- 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 (Part #100012507)



## IMPORTANT INFORMATION



- 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 device 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 starting device once the front wheel hits the bump or gate defeating the purpose of the starting 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 START GATE**

# RING PLACEMENT ON FORKS

**A** Find your year, make, and model of bike on either this page or the next page. This will show you where to mount the fork ring on your fork. Then verify that you have the correct fork ring for your application by comparing the part # to these instructions. The part # is machined into the top surface of the ring at the location of the pinch bolt.



**GASGAS, HUSQ., KTM**

**RING P/N - HH-17**

GasGas 21-26 MC-E3, MC-E5 Elec, MC50, MC65 - Husq 16-26 TC50, TC65 20-26 TC EE3, TC EE5 Elec - KTM 20-26 SX-E3, SX-E5 Elec, 12-26 50SX, 50SX FE, 50SX Mini, 65SX

**RING P/N - HH-07**

OEM FORK ONLY  
21-26 GasGas MC85, MC85 BW - 14-26 Husq. TC85/Big Wheel - 12-26 KTM 85SX/Big Wheel

**RING P/N - HH-08**

WP XACT/XPLOR Pro FORK ONLY  
21-26 GasGas MC85, MC85 BW - 20-26 Husq. TC85/Big Wheel - 20-26 KTM 85SX/Big Wheel

**RING P/N - HH-20**

'08-'26 KTM 125-250SX, 250-450SX-F, 125XC-500 EXC-F  
'14-'26 HUSQ TC125/250, FC250/350/450, TE, FE Models, TX300i, FX350/450  
'21-'26 GAS GAS MC125, MC250/450F, EC & EX Models

**GASGAS, HUSQ., KTM**

**RING P/N - HH-18**

'16-19 WP Cone Valve Forks

**RING P/N - HH-18**

'20-'26 WP Xact Pro/Xplor Pro Fork 125cc & Larger

**KAWASAKI**

**RING P/N - HH-10**

2026 Kawasaki KX85/100  
2026 Kawasaki KX112

**RING P/N - HH-17**

2006-2025 Kawasaki KX85/100  
2023-2025 Kawasaki KX112

**RING P/N - HH-15**

KX85/100 Showa A Kit

**RING P/N - HH-08**

2007-2019 Kawasaki KX250F KYB  
2007-2026 Kawasaki KX450F KYB

**RING P/N - HH-08**

20-26 Kawasaki KX250F SHOWA  
22-26 Kawasaki KX450SR SHOWA

**BETA**

**RING P/N - HH-10**

'18-26 BETA 125 & Larger

**COBRA**

**RING P/N - HH-17**

20-26 Cobra CX-E5 Electric, 12-26 Cobra CX50 Jr, CX50 Sr, CX50 FWE

**RING P/N - HH-17**

2012 - 2026 Cobra CX65

# RING PLACEMENT ON FORKS - CONTINUED

**YAMAHA**

**RING P/N - HH-15**



2018 - 2026 Yamaha YZ65  
2019 - 2026 Yamaha YZ85

**RING P/N - HH-16**



2002-2018 Yamaha YZ85

**RING P/N - HH-06**



'07-26 Yamaha YZ250/450F  
'07-26 Yamaha YZ125/250

**RING P/N - HH-14**



2002 - 2006 Yamaha YZ125/250  
2002 - 2006 Yamaha YZ250/450F

**SUZUKI**

**RING P/N - HH-07**



2002 - 2026 Suzuki RM85

**RING P/N - HH-08**



2011-2026 Suzuki RM-Z450  
Showa Forks

**RING P/N - HH-06**



2016-2026 Suzuki RM-Z250 KYB

**RING P/N - HH-08**



2011-2015 Suzuki RM-Z250  
KYB Forks

**BETA**

**RING P/N - HH-10**



2024 - 2026 BETA SHOWA

**TM**

**RING P/N - HH-08**



2017-2026 TM MX85/100/112

**RING P/N - HH-06**



2017 - 2026 TM 125CC & UP

**DUCATI**

**RING P/N - HH-08**



2026 Desmo 450MX

**SHOWA A KIT**

**RING P/N - HH-18**



SHOWA A KIT FORK

**KYB A KIT**

**RING P/N - HH-07**



OEM KYB A KIT FORK - ENZO  
CONVERSION

**RING P/N - HH-08**



KYB A KIT FORK

**TRIUMPH**

**RING P/N - HH-08**



25-26 TF 250/450X

# RING PLACEMENT ON FORKS - CONTINUED

## OHHLINS FORKS

RING P/N - HH-18



Ohlins TTX 10 Cartridge Fork

RING P/N - HH-18



Ohlins RFX48 Fork

## HONDA

RING P/N - HH-08



2011-2026 Honda CRF250/450R,  
CRF450R Works Edition, Anniv.

RING P/N - HH-06



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

RING P/N - HH-15



2007-2026 Honda CR150R

## STARK VARG

RING P/N - HH-08



2024-2026 Stark Varg Electric

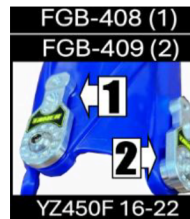
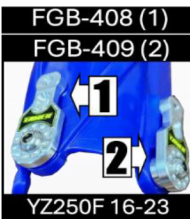
LOCATION 1 = This is mounting location if using only 1 Fork Guard Bracket - Use this part number  
 LOCATION 2 = If using 2 Fork Guard Brackets, this is the part number needed for 2nd location mounting

ALL FORK GUARD BRACKETS ARE PACKAGED COMPLETE WITH ALL SPACERS AND BOLT LENGTHS LISTED WITH EACH PART NUMBER IN CLAMSHELL



### Fork Guard Bracket with Replacement Bolt only

| COBRA   | YEAR      | PART #                            | LOCATION      | BOLT    |
|---|-----------|-----------------------------------|---------------|---------|
| COBRA CX 5-e (ELECTRIC)                           | 2020-2026 | FGB-408                           | 1 and 2       | 20mm    |
| COBRA CX50 Jr, CX50 Sr, CX50 FWE                  | 2005-2026 | FGB-408                           | 1 and 2       | 20mm    |
| COBRA CX65  | 2012-2026 | FGB-408                           | 1 and 2       | 20mm    |
| GAS GAS   | YEAR      | PART #                            | LOCATION      | BOLT    |
| GAS GAS MC-E3, MC-E5 (ELECTRIC), MC50             | 2021-2026 | FGB-401                           | 1             | 20mm    |
| GAS GAS MC65                                      | 2021-2026 | FGB-401                           | 1             | 20mm    |
| GAS GAS MC 85, MC 85BW                            | 2021-2026 | FGB-417                           | 1             | 25mm    |
| GAS GAS MC125/250, MC250/350/450F (TLD), EC, EX   | 2023-2026 | FGB-404                           | 1             | 30/35mm |
| HONDA   | YEAR      | PART #                            | LOCATION      | BOLT    |
| HONDA CR125, CR250                                | 1998-2007 | FGB-403                           | 1 and 2       | 20mm    |
| HONDA CRF250R/X, CRF450R/X/S                      | 2004-2010 | FGB-403                           | 1 and 2       | 20mm    |
| HONDA CRF250R/X, CRF450R/X/S, Works edition       | 2011-2026 | FGB-403                           | 1 and 2       | 20mm    |
| HUSQVARNA   | YEAR      | PART #                            | LOCATION      | BOLT    |
| HUSQVARNA TC EE 3, TC EE 5 (ELECTRIC)             | 2020-2026 | FGB-401                           | 1             | 20mm    |
| HUSQVARNA TC 50                                   | 2016-2026 | FGB-401                           | 1             | 20mm    |
| HUSQVARNA TC 65                                   | 2016-2026 | FGB-401                           | 1             | 20mm    |
| HUSQVARNA TC 85 & Big Wheel                       | 2014-2026 | FGB-417                           | 1             | 25mm    |
| HUSQVARNA TC125/250, FC250/350/450 (Rockstar)     | 2023-2026 | FGB-404                           | 1             | 30/35mm |
| KAWASAKI  | YEAR      | PART #                            | LOCATION      | BOLT    |
| KAWASAKI KX85, KX100, KX112 - A KIT FORK KYB ONLY | 2020-2025 | FGB-403                           | 1             | 20mm    |
| KAWASAKI KX85, KX100, KX112 - OEM FORKS           | 2006-2025 | FGB-403                           | 1             | 20mm    |
| KAWASAKI KX250/450 (F) (X), KX450SR, 50th Anniv.  | 2014-2026 | FGB-401                           | 1 and 2       | 20mm    |
| KTM   | YEAR      | PART #                            | LOCATION      | BOLT    |
| KTM SX-E 3, SX-E 5 (ELECTRIC)                     | 2020-2026 | FGB-401                           | 1             | 20mm    |
| KTM 50SX, 50SX FE                                 | 2002-2026 | FGB-401                           | 1             | 20mm    |
| KTM 65SX  | 2002-2026 | FGB-401                           | 1             | 20mm    |
| KTM 85SX & 85SX Big Wheel                         | 2004-2026 | FGB-417                           | 1             | 25mm    |
| KTM 125/150/250/300SX, 250/350/450SX-F/Fac. Ed.   | 2023-2026 | FGB-404                           | 1             | 30/35mm |
| KTM - HUSQ - GASGAS 125cc & Larger Bikes          | 2016-2022 | FGB-412                           | 1             | 25mm    |
| STARK VARG  | YEAR      | PART #                            | LOCATION      | BOLT    |
| STARK VARG - Electric                             | 2025-2026 | FGB-413                           | No Spacers    | 20mm    |
| TRIUMPH   | YEAR      | PART #                            | LOCATION      | BOLT    |
| TRIUMPH TF 250-X/450-X (KYB Fork)                 | 2024-2026 | FGB-414                           | Short Spacers | 30mm    |
| YAMAHA  | YEAR      | PART #                            | LOCATION      | BOLT    |
| YAMAHA YZ65                                       | 2018-2026 | FGB-418                           | 2 ONLY        | 25mm    |
| YAMAHA YZ85, YZ85LW                               | 2019-2026 | FGB-401                           | 1             | 20mm    |
| YAMAHA YZ250F                                     | 2024-2026 | FGB-407                           | 1 and 2       | 20mm    |
| YAMAHA YZ450F                                     | 2023-2026 | FGB-407                           | 1 and 2       | 20mm    |
| YAMAHA YZ125/YZ250 2 STROKE                       | 2016-2026 | FGB-408                           | 1             | 20mm    |
| YAMAHA YZ250F                                     | 2016-2023 | FGB-408                           | 1             | 20mm    |
| YAMAHA YZ450F                                     | 2016-2022 | FGB-408                           | 1             | 20mm    |
| YAMAHA YZ125/YZ250 2 STROKE                       | 2016-2026 | FGB-409                           | 2             | 25mm    |
| YAMAHA YZ250F                                     | 2016-2023 | FGB-409                           | 2             | 25mm    |
| YAMAHA YZ450F                                     | 2016-2022 | FGB-409                           | 2             | 25mm    |
| FORK GUARD BRACKET REPLACEMENT PARTS              | PART #    | REPLACEMENT FOR:                  |               |         |
| M6 X 20MM Dished Head Flange Bolt (8mm head)      | FGB-402   | FGB-401, 403, 407, 408, 413 & 417 |               |         |
| M6 X 25MM Dished Head Flange Bolt (8mm head)      | FGB-410   | FGB-409, FGB-412, FGB-417         |               |         |
| M6 X 30MM Dished Head Flange Bolt (8mm head)      | FGB-406   | FGB-404, FGB-414 (Short Spacer)   |               |         |
| M6 X 35MM Dished Head Flange Bolt (8mm head)      | FGB-411   | FGB-404 (Long Spacer)             |               |         |
| FGB-404 SHORT SPACER REPLACEMENT                  | FGB-405-S | Packaged as a pair                |               |         |
| FGB-404 LONG SPACER REPLACEMENT                   | FGB-405-L | Packaged as a pair                |               |         |
| FGB-417 SPACER REPLACEMENT                        | FGB-417SP | Spacer uses 25mm bolt             |               |         |



# SINGLE INSTALL INSTRUCTIONS

You DO NOT need to remove the fork leg. You can GENTLY flex and spread the ring around the fork tube. If you do not feel comfortable flexing the ring around the fork, then remove the throttle side fork leg from the bike. **MAKE SURE THE RING GROOVE IS FACING UPWARD.**

- 1 DO NOT remove fork guard yet. Do not tighten fork ring bolt yet.

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

- 3 Remove bike from stand, sit on the bike like you are getting ready to take off for a holeshoot. Push up and down on the forks a few times while holding the front brake. Now, make sure the forks are in a slightly compressed position and hold that position.

- 4 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.



**THIS IS VERY IMPORTANT. THIS METHOD TAKES INTO ACCOUNT THE RIDER WEIGHT AND THE SUSPENSION SPRING RATE.**

**DO NOT assume a certain measurement down is OK. This makes any Holeshoot device ineffective**



- 5 Remove throttle side plastic fork guard from fork.



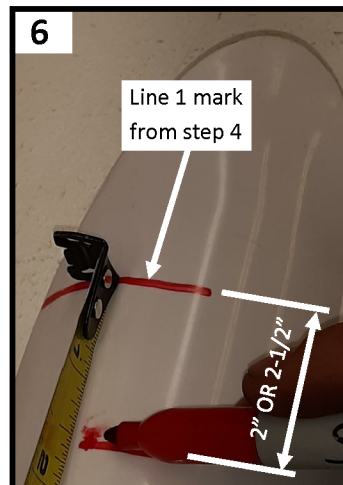
- 6 Determine the majority of your starting line conditions you encounter.

DRY SLICK - 2"

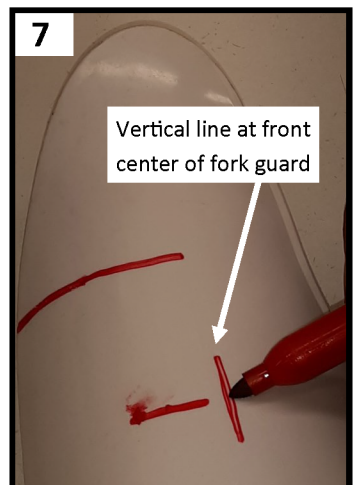
TACKY - 2-1/2"

From line you made in **STEP 4.**

Measure down the above determined measurement on fork guard and mark a second horizontal line.



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

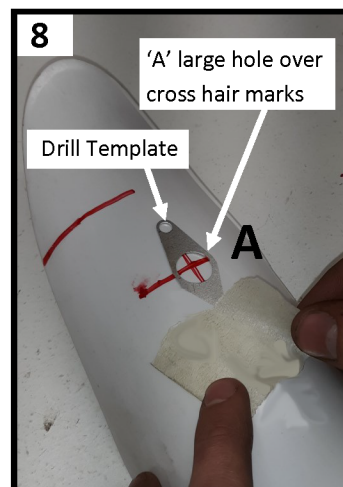


- 8 Find the 2 screws and metal template in the packaging.

Place the large hole (A) in the metal template at the crosshair lines you made on fork guard in **Step 7.** With a small piece of masking tape, tape the template in place.



**TEMPLATE IS TAPED ON THE OUTSIDE OF THE FORK GUARD, NOT THE INSIDE.**

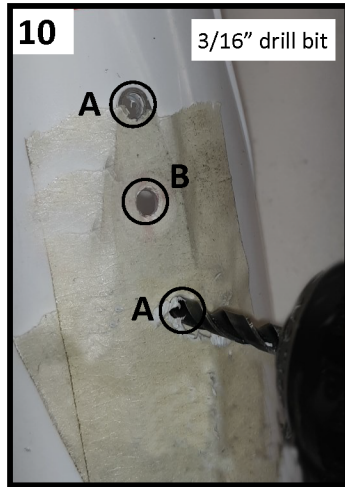


- 9



**10** Drill (2) 3/16" holes through holes labeled as A in picture through metal template.

**NOW** - Drill (1) 3/16" hole labeled B in the picture (1/2" hole location) as close to center as possible for a pilot hole. This will allow the 1/2" hole to drill much easier.



**11** Place the 2 small screws through the template holes A (image 10) from the outside to hold the template in place for drilling the larger 1/2" hole.

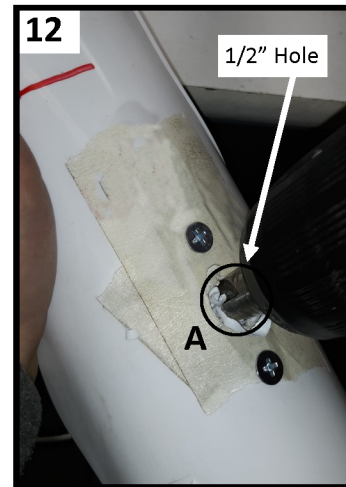
This keeps the template from moving while drilling larger 1/2" holes.



**12** Drill (1) 1/2" hole (A) with deburring bit or drill bit through larger hole in template.



BE CAREFUL IF USING DRILL BIT, IT WILL BITE & TWIST. GO AT A VERY SLOW SPEED WITH DRILL with little pressure. Take your time here.

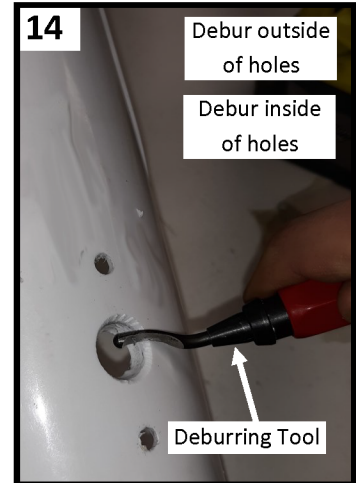


**13** Remove the metal template. **You are done with it. DO NOT MOUNT TEMPLATE ON FRONTSIDE OR BACKSIDE OF FORK GUARD - IT IS USED FOR DRILLING ONLY**



**14** Debur any plastic from the 1 large hole inside and out. 1/2" hole needs to be round and smooth. You can use a razor blade or preferably, a deburring tool. This step shows using the deburring tool.

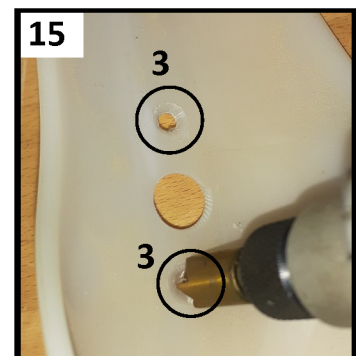
See TOOLS LIST on page 1 for this tool at Home Depot.



**15** **THIS STEP IS VERY IMPORTANT** - Countersink the 2 small holes (See #3 in pic) 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! If this happens, you are buying a new fork guard.



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 FOR YOU. THIS WILL JUST PUSH OUT THE PLASTIC AND MAKE YOUR INSTALL WORTHLESS AND ABOUT GUARANTEE THAT THE BUTTON WILL PULL THROUGH THE PLASTIC. YOU HAVE TO COUNTERSINK THE HOLES WITH A TOOL OR DRILL BIT.**




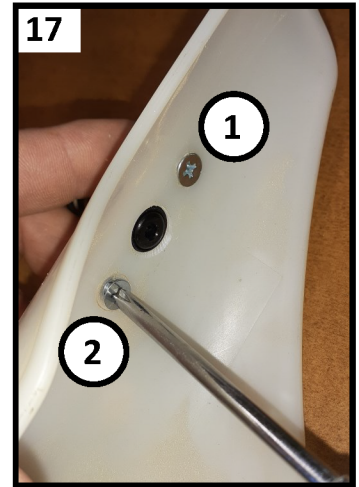
**16** APPLY RED LOCTITE TO THE THREADS OF THE 2 SCREWS.

When mounting the single button on the fork guard, the narrow end of the button will be facing upward.



**17** Hold base to outside of fork guard with fingers & Install top and bottom phillips screws (#1 and #2) through smaller holes drilled in fork guard from the inside and tighten. **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.



**18** The mounting screw heads cannot protrude past the inside face of your fork guard. If they do, they will catch the ring and/or the fork and will make a mess of things and can rip out the button.

**DO NOT** use any objects on the inside of the fork guard such as washers to try and keep the screws from pulling through plastic. If this is an issue, purchase the Tamer double button system with X-wing. It is designed for this.



Picture B - The mounting screws are installed the correct way. The heads of the screws are recessed into the plastic. Some fork guards are thinner plastic, so it may be difficult to completely countersink the head of the screws as in picture B. But, the screw heads need to be at a minimum flush with inside surface of plastic fork guard.



**19** Install plastic fork guard back onto fork.

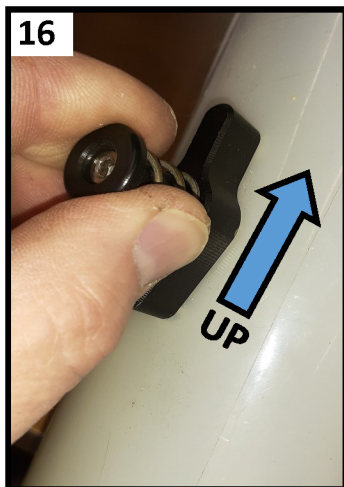
**20** Make sure the button unit is now in line with the ring groove then tighten the ring. **RECOMMENDED TORQUE FOR RING BOLT IS 48 in-lb (4 ft-lb)**. If it is not in line, rotate the ring so that the push button will land within the ring groove. Compress the suspension up and down and make sure the 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.

**21** 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 button in place. Now hold front brake and compress front forks to release. **MAKE SURE RING TRAVELS PAST PIN/BUTTON BEFORE PUSHING PIN TO LATCH. Now go rip your next start.**


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

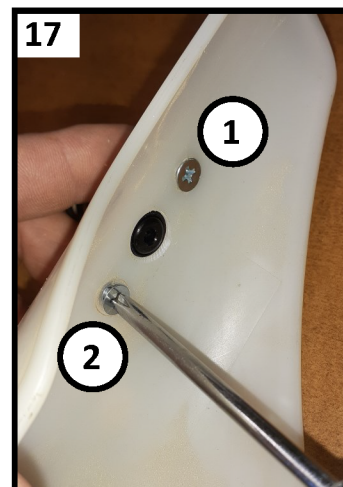
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