



Mid Control for Evo Motors w/ Left Side Drive Installation Instructions



Thank you for choosing a Supreme Legends USA product.

Supreme Legends mid controls are designed to add style and performance to your bike. Our mid controls with master cylinder make a perfect addition to your bobber build or replacement for your stock controls.

We hope that you will be pleased with your purchase. Should you have any questions, please contact our customer service department at (714) 504-0715 or visit us on the web at

www.supremelegendsusa.com.

IMPORTANT WARNING!

IT IS CRITICAL THAT ALL SUPREME LEGENDS USA PRODUCTS AND ACCESSORIES BE PROPERLY AND SECURELY ATTACHED TO YOUR VEHICLE. IMPROPER ATTACHMENT COULD RESULT IN A MOTORCYCLE ACCIDENT, AND COULD CAUSE SERIOUS BODILY INJURY OR DEATH TO YOU OR OTHERS. YOU ARE RESPONSIBLE FOR SECURING THE PRODUCTS AND/OR ACCESSORIES TO YOUR MOTORCYCLE, CHECKING THE PRODUCTS AND/OR ACCESSORIES PRIOR TO USE AND PERIODICALLY INSPECTING THE PRODUCTS AND/OR ACCESSORIES FOR ADJUSTMENT, WEAR AND DAMAGE. THEREFORE, YOU MUST READ AND UNDERSTAND ALL OF THE INSTRUCTIONS, NOTES AND WARNINGS SUPPLIED WITH YOUR SUPREME LEGENDS USA PRODUCTS AND/OR ACCESSORIES PRIOR TO INSTALLATION OR USE. IF YOU DO NOT UNDERSTAND ALL OF THE INSTRUCTIONS, NOTES AND WARNINGS, OR IF YOU HAVE NO MECHANICAL EXPERIENCE AND ARE NOT THOROUGHLY FAMILIAR WITH THE INSTALLATION PROCEDURES, YOU SHOULD HAVE THE PRODUCT AND/OR ACCESSORIES INSTALLED BY A PROFESSIONAL MECHANIC.

SUPREME LIMITED WARRANTY

Supreme Legends USA offers a limited 18 month, non-transferrable warranty from the date of purchase, to the original purchaser, on all parts included with this kit to be free of manufacturing defects in materials and workmanship, excluding normal wear and tear. If the condition of an item requires warranty service, please contact Supreme Legends USA immediately.

The limited warranty is applicable only if the instructions are followed and the products are used properly. Supreme Legends USA will determine if it is necessary to return an item for evaluation and validity of warranty claim. If an article is found to be defective upon inspection by Supreme Legends USA, we will repair or replace the defective article at our discretion without charge. The customer will pay freight to Supreme Legends USA and we will pay any applicable return freight. A Return Merchandise Authorization (RMA) form, provided by a customer service representative, must be included with all returned product, along with a copy of the original receipt. All items must be packaged in such a fashion as to eliminate any further damage. Unauthorized returns will not be accepted.

SUPREME LIMITED WARRANTY (continued)

Normal wear and tear of Supreme Legends USA products or damage resulting from misuse, accidents, improper installation, alterations or abuse (including tampering or damage in transit) are not covered by this Limited Warranty.

The purchaser acknowledges that Supreme Legends USA has no control over the attachment of its products to motorcycles and/or motor vehicles or the attachment of items to Supreme Legends USA products. Accordingly, Supreme Legends USA cannot assume responsibility for any damage to property arising out of improper attachment or use of its products. In addition, this Limited Warranty applies only to Supreme Legends USA products and not to other products used in conjunction with Supreme Legends USA products. This Limited Warranty is in lieu of all other warranties, expressed or implied, and does not cover consequential damages of any kind that may arise from the use or misuse of any Supreme Legends USA product.

FOREVER SUPREME

We know how hard people try to keep their motorcycles looking new, but all parts will wear over time. We developed this program to show our customers that we care. And if you were our customer once you are entitled to be our customer for life. If you have an old registered Supreme Legends USA part you can trade it in and receive the following discounts on a new part of equal or lesser value.

Second Year-15% off
Third Year & Beyond- 10% off

DISCLAIMER

THE INSTALLATION OF SUPREME LEGENDS USA PRODUCTS MAY ADVERSELY AFFECT OR VOID YOUR MOTORCYCLES FACTORY WARRANTY. WE ARE NOT RESPONSIBLE FOR ANY ISSUES RELATED TO YOUR MOTORCYCLES FACTORY WARRANTY. OUR PRODUCTS ARE DESIGNED TO BE INSTALLED AT THE SOLE DISCRETION OF THE MOTORCYCLES OWNER. SUPREME LEGENDS USA HOLDS NO RESPONSIBILITY FOR MODIFICATIONS TO YOUR MOTORCYCLE AND/OR ITS PERFORMANCE OR WARRANTY DUE TO THE INSTALLATION OF OUR PRODUCTS.

YOU UNDERSTAND AND AGREE THAT WE MAKE NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED AS TO ANY MATTER WHATSOEVER, INCLUDING THE CONDITION OF THE PRODUCT OR ANY COMPONENT PARTS THEREOF, ITS MERCHANTABILITY OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

EXCEPT AS OTHERWISE PROVIDED HEREIN, WE SHALL NOT BE LIABLE FOR DAMAGES, INCLUDING SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES WHETHER IN CONTACT OR IN TORT ARISING OUT OF OR IN CONNECTION WITH THE PERFORMANCE OF ANY PRODUCT OR ANY COMPONENT PART THEREOF IN ITS USE BY YOU, AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH YOUR USE OF THE PRODUCT.

INDEMNITY & RELEASE

- a. You understand and agree that many factors beyond our control affect the operational safety of the product including, but not limited to the installation of the product according to the instructions provided with the product;
- b. You also understand and agree that the installation of the product may involve the use of tools, equipment and construction methods which may present safety hazards which are beyond our control.
- c. Except as otherwise proved herein, you will protect, indemnify, save harmless and release us, our authorized agents, employees, officers, directors and shareholders from and against all liabilities, obligations, claims, damages, penalties, causes of action, costs and expenses, imposed upon or incurred by or asserted against us and our authorized agents, employees, officers, directors and shareholders or any of our assignees, by you or any third party by reason of any assembly, use, maintenance, possession or operation of the product, any loss, damage or destruction of the product as of and after delivery and any other act or event relating to or caused by the product, including but not limited to, consequential or special damages or any kind, or any failure on your part to perform or comply with any of the terms and conditions hereof, or any and all liability for property loss or damage, or any and all damages resulting from death or personal injuries, including loss of services, which any person may sustain on account of, arising out of, or in connection with any use, maintenance, possession or operation of the product. In the event that any action, suit or proceeding is brought against us or any of our authorized agents, employees, officers, directors or shareholders by reason of any such occurrence, you will, upon request and at your expense, resist and defend such action, suit or proceeding or cause the same to be resisted and defended by counsel designated and approved by us.



Before you get started...

Thank you for choosing Supreme Legends USA products. We believe you will find our products to be second to none in both style and quality!

Before beginning your installation, please note the following:

- Though our products allow for user friendly installation, Supreme Legends USA recommends all installation of our product to be done by a qualified mechanic or individual.
- Some controls may require additional components not included with your kit. Some instructions may or may not be included such as installation of a brake line or brake banjo switch, minor adjustment of shift rods, or installation of a kickstand bracket on 2000 up FXST models. (extended 2" or 3" models will require longer brake lines and possibly longer shift rods)
- Please remember to use thread locking compound (we recommend Loctite blue 242) on any components which could come loose by vibration. Be certain to verify your mounting bolts, toe and foot pegs. Though we apply Loctite to some of our bolts, we DO NOT apply any to our pegs so that you may make final clocking/comfort adjustments for your particular application. DO NOT USE RED!!
- We recommend using an appropriate motorcycle lift when possible. Be certain the lift can maintain the weight of your bike without question, and be certain to secure the bike as necessary during installation of the controls.
- Be certain to dispose of all fluids properly
- BE AWARE OF WHICH TYPE OF BRAKE FLUID YOU ARE USING IN YOUR LINES. NEVER MIX DOT 4 AND DOT 5 TOGETHER. SUPREME LEGENDS USA WILL NOT BE HELD RESPONSIBLE FOR DAMAGE INCURRED TO YOUR VEHICLE DUE TO INCORRECT INSTALLATION OF PRODUCT OR USE OF INCORRECT FLUID. PLEASE CONSULT YOUR LOCAL DEALER.
- Remember that with this installation you are modifying your motorcycle, and though our controls are assembled to a "stock" comfortable fitment, there will be adjustment necessary to ensure adequate comfort for your shifting foot, as well as ensuring all shifting is occurring appropriately.
- Any models requiring the electronic banjo brake switch will require minor wiring, and a good amount of brake bleeding to ensure adequate pressure is allowed to actuate the brake light through the switch.
- Always be sure to have a helping hand available. Though most of the installation is a "one man show", it's always good to have a second set of hands available.

Please feel free to give us a call at (714) 504-0715 if you have any questions!

ENJOY YOUR NEW CONTROLS!



INSTALLATION

Important Installation Notes:

- ◆ Please read entire instruction booklet prior to installation. This will familiarize you with the tools required to install this product and how the included items fit and operate
- ◆ Before attempting installation of this kit, make sure to check package to be sure you have received all the necessary items included with this product and that the kit is the correct unit for your motorcycle
- ◆ Prior to attempting any work on your motorcycle, disconnect the battery to eliminate any possibility of damage to the electrical system due to a short circuit
- ◆ This kit requires the replacement of the motorcycles factory rear master cylinder. Never reuse brake fluid or use fluid from a container that has previously been opened. Use only the factory recommended DOT replacement fluid.
- ◆ We recommend that you obtain your bike's factory service manual for detailed instructions on the removal of stock parts necessary for the installation of this kit
- ◆ Supreme Legends USA recommends that installation of all products be installed only by professional mechanics familiar with your make of motorcycle and their respective braking systems.

Preparation

Position motorcycle on a quality motorcycle lift with a weight rating greater than the weight of your motorcycle. Make sure motorcycle is securely positioned and locked down before attempting any work. Raise motorcycle to a comfortable position for installation procedure.

You understand and agree that the product is designed to be installed and used as described in the assembly instructions. You agree not to make any modifications to the product and agree not to use any parts, components, or accessories in connection with the installation and the use of the product that are not authorized and approved by us.

Your installation may require a new brake line, shift rod, and banjo brake switch to provide actuation for rear brake light. These items are not provided with this kit.

*****If you require standoffs for an open primary cover (may require drilling of the cover), they are available directly through us but are not included with the kit. Please call (714) 504-0715 for details.**

Your kit includes the following:

- (3) 5/16-18 x 1" Button Head Bolts
- (1) 5/16-18 x 3/4" Button Head Bolt
- (3) 1/4-20 x 2 1/2" Socket Head Bolts
- (1) 1/4-20 x 3 1/2 Socket Head Bolt
- (1) 5/16-18 x 3 1/2 Socket Head Bolt
- (3) 1" x .900 spacers for 1/4-20 Bolts
- (1) 1" x 1.900 spacer for 1/4-20 Bolt
- (1) 1" x 1.900 spacer for 5/16-18 Bolt
- (1) 7/8" x 1" foot peg spacer



Installation Steps

Installing the Brake Control

Due to the variation of many different V-twin models, these instructions are only for reference. Your particular application may vary.

Step 1: (Skip if control is a new installation)

Be certain to take all critical items into consideration as you remove your stock controls. Any attached linkage and brake line should be removed with care so as not to damage your OEM master cylinder. Unbolt the brake line from the factory master cylinder. Make sure to have a container available to catch the drained brake fluid. Remove your existing controls from the brake side and then remove rear brake master cylinder.



Step 2: Locate position of bolts to be removed from engine and transmission. These bolts will be replaced with the provided bolts during installation. Install new brake side control with provided bolts, being sure to use provided spacers to offset the brake side plate as necessary. Be certain to use a thread locking compound. ***Tighten to factory specifications.

Step 3: Attach the new brake line (not provided) to master cylinder with banjo bolt (3/8-24 thread) and copper washers. Some models may require purchase of a banjo brake switch (not included) in order to actuate the rear brake light.

Step 4: Unbolt master cylinder lid and fill reservoir with bike manufacturer's recommended DOT brake fluid. (Remember to never reuse or mix old brake fluid and NEVER mix DOT 4 and DOT 5 together.) Bleed the brakes per your service manual. Check fluid level in reservoir periodically and fill as necessary to maintain full capacity of reservoir.

Step 5: Re-install master cylinder lid and tighten lid bolts. Press brake pedal multiple times to make sure there is consistent pressure.



WARNING: FAILURE TO BLEED ALL THE AIR OUT OF THE BRAKE SYSTEM WILL RESULT IN POOR BRAKING AND/OR INCONSISTENT BRAKE PEDAL PRESSURE.

*****Note-** We strongly suggest that you use blue Loc-Tite #242 on all fasteners except the banjo bolts to insure that they remain tight. Torque all bolts to factory specifications.

Installing the Shift Control

Please note, this control is designed to fit left side drive, open belt drives, 3" or under using a 4 on 4" hole pattern. This will also fit BDL 2006 and up belt drives with 4 on 3 1/2" and 4 1/2" hole locations.



Step 1: (Skip if new install) Remove your existing controls from the shift side. Be certain to take all critical items into consideration, including linkage and shift rods.

Step 2: Remove the shift link from the shift shaft on your new shift mounting plate. Remove shift spool which is attached to your new shift side control by 3 bolts, and the foot peg which is attached with 1 bolt. Handle all pieces carefully so as not to ding or scratch them.

Step 3: ***It is recommended that you remove your belt drive and backing plate from your bike prior to performing step 3 to avoid any damage to any engine components, etc.*** Bolt your shift side mounting plate to your primary backing plate. Here you will use the mounting plate as a template for locating the position to drill your backing plate. Locate center of that hole.

Step 4: Drill a 1" diameter hole at this location. The spool itself is approximately 7/8" diameter, so this 1" will allow for a bit of additional play and a margin of error. Remove any remaining burrs around hole.

Step 5: Replace backing plate and belt drive back onto bike if necessary. Reassemble shift side plate with shift spool and foot peg being sure to use thread locking compound. NOTE- toe peg spacer provided needs to have reduced side against shift plate. Do not put shift link back on yet.

Step 6: You may now bolt up your mounting plate using the button head bolts provided, inserting the shift spool into the hole you've drilled. Be certain to use thread locking compound*** on all bolts.

Step 7: Install shift link onto splined shift shaft. Do not tighten yet.

Step 8: Install your shift rod onto the new shift link being sure to use thread locking compound on the 5/16-24 bolt. Position link as necessary to allow smooth shifting between transmission and control. Additional, adjustment may be done with shift rod.

Step 9: Secure shift link into place, being sure to use thread locker on bolt! (Very important). Tighten all shift rod nuts, etc. to insure everything is snug and will remain in place.

Finishing Up

Step 1: If you've installed a brake switch, make sure that the brake light is working when the brake is applied.

Step 2: Re-check all bolts for tightness...be certain you have used thread locking compound where necessary!

Step 3: Ride safely and enjoy your new Supreme Legends mid controls!

*****Note-** We strongly suggest that you use blue Loc-Tite #242 on all fasteners except the banjo bolts to insure that they remain tight. Torque all bolts to factory specifications.