

CUSTOM CYCLE CONTROL SYSTEMS

Step 1-

Support your bike on a stand/lift so that you can remove the stock shocks. Be sure the rear wheel is free so you can move it thru it's "normal travel"

Step 2-

part # SAS-99 : Assemble the Rod Ends onto your SAS. see Fig. 1.

part # SAS-00 : See Fig. 2

Step 3-

Now make sure the "piston rods" are fully retracted.

(When the pistons retract in, they pull the swingarm down and raise the bike)

- a) From the SAS harness hook white wire to Negative & Red to a Positive/Power to activate the compressor & pressurizes and retract the piston rods. If the rods DON'T move, they are already retracted, and the unit will have some air pressure.

Step 4- Set the *maximum ride height*

Let the rear wheel & swingarm hang down to your desired *maximum height* then adjust the SAS rod end screws to fit the frame and swingarm spread. Make sure the pistons are retracted/ pressurized. This height will be where the SAS raises your bike to when you pressurize it. You can also match the length of the shocks you are replacing. DO NOT tighten anything until you get your SAS mounted to the bike, which is the next step! Lowering the suspension can be dangerous. We recommend an authorized mechanic does the install. Riding low will reduce ground clearance during. Make sure there are no clearance issues before riding.

Step 5- SAS-99 use 5a / SAS-00 use 5b

5a) part # SAS-99: Install the SAS on your bike, letting both ends "float", no need to shim with washers. Use the stock hardware. Be sure to align the rod ends toward the swingarm with the smooth side of your suspension facing down. Make sure to not force the last bolt in, if it is too tight there may be an alignment issue with the frame. Forcing the bolt in may cause rough operation in the piston cylinder.

5b) 2000 & up versions will use the original rubber bushing kit with our bolts, see fig 3 for reference.

Step 6-

CHECK TIRE & SWING ARM CLEARANCE

a) 1st hook up the Green wire to negative & the Black wire to positive (hold the connection), this will hold open the Solenoid so you can move the swingarm all the way up to check for interference. An easier way to do this is to remove the inlet valve that is located on the bottom of the SAS see fig. 4. Run the compressor for a second to loosen the seal before you loosen the screw. The valve will be under pressure so release the air with the solenoid before removing the valve. Removing the valve allows the pistons to move without compressing air. Now rotate Tire to confirm clearance. *It is extremely important to leave enough room for Tire Expansion. Be sure to replace the 3 peice inlet valve. Srew-spring-plunger.* If there is No Clearance Issues - see step 6B. If you have any interference, adjust the rod ends until you eliminate any interference & move to step 6b.

b) *IMPORTANT *Use Red Loctite on the Jam Nuts for the Rod Ends, and Original Hardware that mounts the SAS to the frame side (ref. to step 5)

Step 7- SAS Filtered Air Breather: this added feature ensures that your SAS stays contaminant free. Not only the compressor draws in air, every movement of the cylinder pistons draw in air also. Therefore the remote filter should be placed under the seat to stay dry. Make sure it cannot be kinked, air flow must not be restricted. **Not remotng the filter under the seat or in a dry area CAN VOID YOUR WARRANTY.** Another cool feature to ensure the life of your SAS

Your feedback is important to us, please let us know how your experience with our product was!



Figure 1



Figure 2

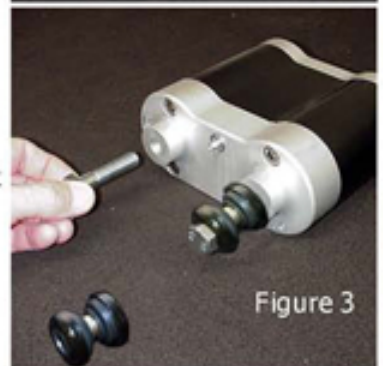
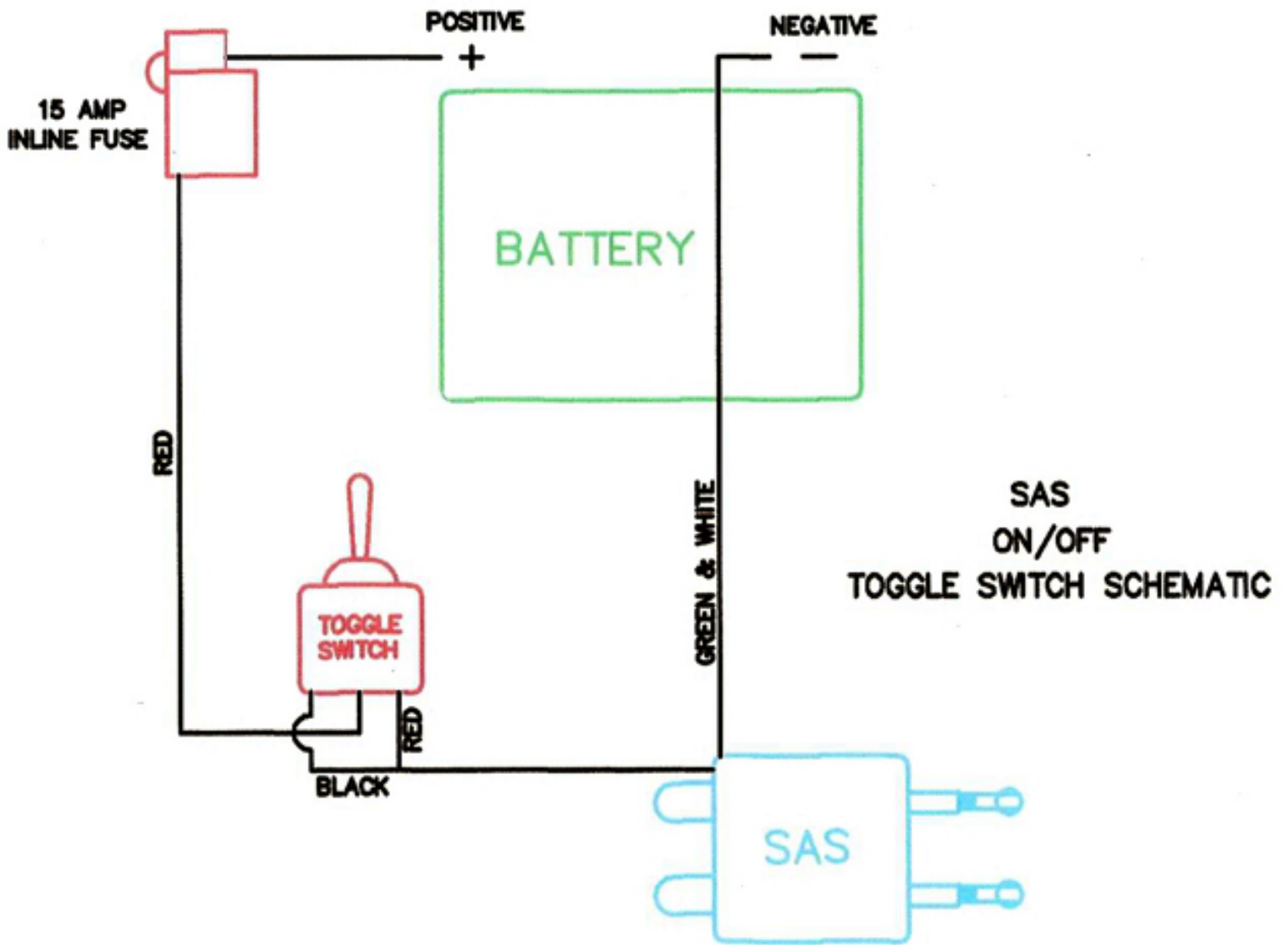


Figure 3



Figure 4

SAS Toggle Switch Wiring Instructions



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www.CustomCycleControls.com



**FRESH AIRLINE AND FILTER
POSITION UNDER SEAT**

Non Use of This Filter Voids Warranty

CUSTOM CYCLE CONTROL SYSTEMS, INC.

TERMS AND CONDITIONS

PLEASE READ & UNDERSTAND THE FOLLOWING

INSTALLATION: Custom Cycle Control Systems will not assume or accept any responsibility for incidental damages or labor charges due to the use and/ or misuse of our products. Improper installation, negligence, alteration or misuse relieves CCCS from any warranty claims and the user and/ or installer shall assume all legal, personal injury risk and liability and all other obligations and risks associated therewith.

PRICING – All prices, terms and conditions are subject to change without notice.

SHIPPING – All orders ship after full payment is received. Payment includes taxes and shipping and handling costs. All orders ship U.P.S. ground. Airfreight is available upon request. C.O.D. deliveries include additional charges. All residential deliveries require a signature upon delivery.

FREIGHT CLAIMS – Our products are carefully inspected before shipping. Custom Cycle Control Systems Inc. is not responsible for damages incurred during shipping. Damage occurring in transit must be reported to the carrier.

RETURNS – All claims must be made within 3 days of receiving the items. This excludes the 30 day money back terms and conditions included with the purchase of the SAS air suspension. Returns must have written authorization from Custom Cycle Control Systems, Inc. No returns will be accepted without authorization & the original invoice. All returned shipments must be prepaid, insured and packaged correctly; customer is responsible for products damaged during shipping due to improper packaging.

Returns shipped C.O.D. will not be accepted.

We will not accept any returns that have been damaged or modified due to improper installation.

A 15% restocking fee is applied to ALL returned items - NO EXCEPTIONS!

TERMS – All terms, conditions and prices are subject to change without notice. All orders ship after full payment is received. We accept Visa, MasterCard, American Express, Pay Pal, or certified check or money order for payment. Company Checks can be mailed in ONLY. There will be a \$ 35.00 charge for all returned checks. Collection agency fees, legal fees, interest and service charges will be added to all unpaid invoices if litigation is necessary for collection.

REFUSED ORDERS – Freight charges incurred by any delivery refused and returned to Custom Cycle Control Systems, Inc. will be the responsibility of the customer.

LIMITED WARRANTY- Custom Cycle Control Systems, Inc. Hand Control Systems have a 6-month warranty on parts. The SAS air suspension has a 30-day money back guarantee and a 3-year warranty on parts. Our guarantee is limited to repair or replacement of defective parts and the course of action will be determined solely by Custom Cycle Control Systems, Inc. (please see above “Installation” for specifics) These products are not DOT approved. Our products are intended for custom applications and dressing material, exclusively for displays and show rooms. It is the responsibility of the user to determine the suitability of our products for his or her use. The user shall assume all legal, personal injury risk and liability and all other obligations and risks associated therewith. Installation of our products may void your factory warranty. We recommend having a legitimate motorcycle business install our products. This warranty does not cover damage caused by improper installation, negligence, alteration or misuse. We will not accept any returns that have been damaged or modified for improper installation. Custom Cycle Control Systems, Inc. will not assume any responsibility for incidental damages due to the use of our products.