

Speed by Design

A product of Unlimited Bagger

IMPORTANT!

00 to 08 Straight Up Electric Billet Center Stand

Dealer and/or Customer must complete the following items:

Center Stand Checklist

- 1. Complete the Measurement Guide**
- 2. Read the Operation Instructions**
- 3. Read the Installation Instructions**
- 4. Read the Limited Warranty**

**Custom feet for the Center Stand will not be shipped until the four items above are read and completed by Dealer/Customer.*

I, _____ have read, understood and accepted the instructions, terms and conditions contained in the attached documents, provided all necessary information and completed the checklist above. I have provided Speed by Design with the correct measurements and Installation Instructions. I have signed all of the requested documents.

Signature: _____ Date: _____

Please fill out and fax to 951.898.6461 or email to speedbydesign@gmail.com



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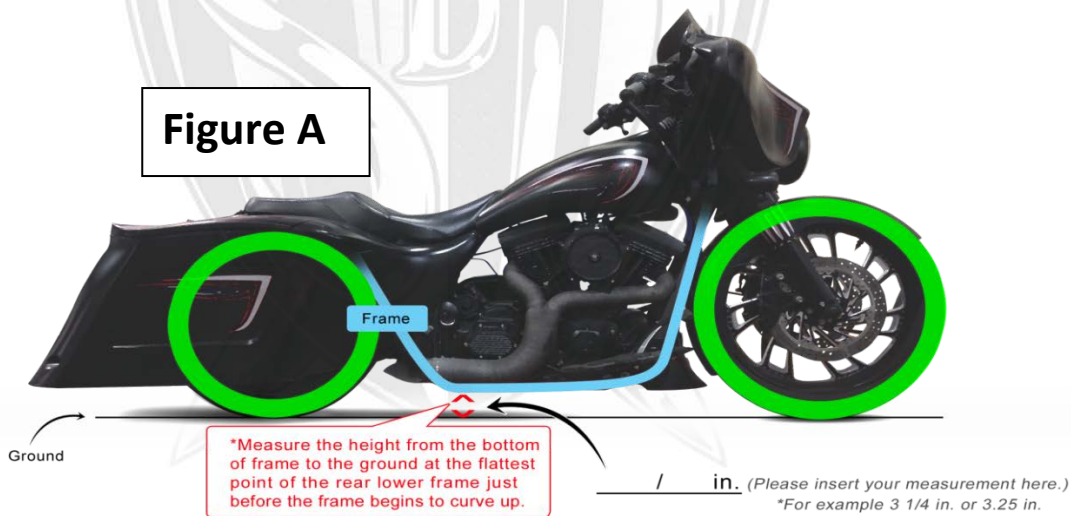
Measurement Guide

Straight Up Billet Electric Center Stand For Models 2000 to 2008 only

You will be measuring the bike's stand height. It is imperative that you understand this task entirely or the bike is at risk of falling over after the stand is installed. The measurement task requires two people. One person straddles the bike, while the second person measures the ground clearance. It is imperative that (1) the bike is measured on flat ground with the frame straight up and down; (2) the right and left frame rails are level to the ground; and (3) the bike is lowered into the lowest position.

When the bike is level to the ground, with a second person holding the bike up, measure the bike in the lowest position. You shall do so by measuring the lowest point of the frame to the ground at the flattest point of the rear lower frame just before the frame begins to curve up. **See Figure A. Please record the measurement in the space below.**

Warning: if you plan to modify the bike after installation of the bike stand in a manner that would produce a measurement greater than what is indicated below, you **must** contact Speed By Design. You **must** submit a new measurement guide and for a standard charge, Speed by Design will provide you with the appropriate feet as long as Speed By Design is still manufacturing said parts.



I, _____ have read the above and I take full responsibility in providing Speed By Design the correct measurements.

Signature _____

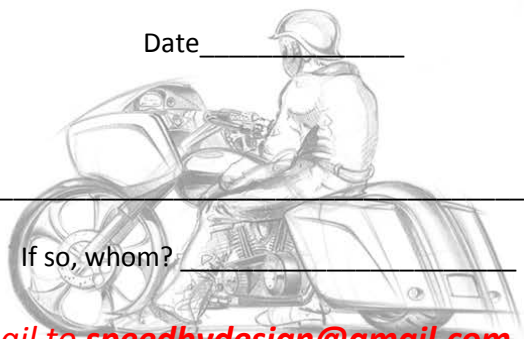
Date _____

Contact Phone Number _____

Shipping address _____

Did you purchase the Center Stand from a dealer? Yes / No If so, whom? _____

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Operation Instructions

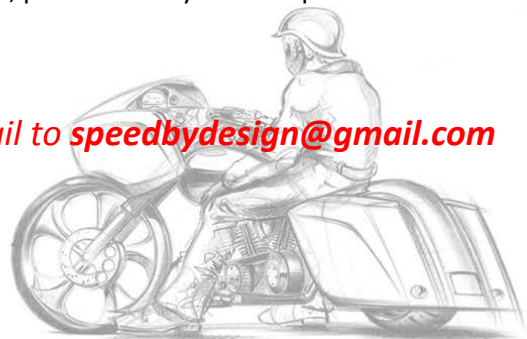
2000 to 2008 Straight Up Electric Billet Center Stand

You must read all instructions prior to installation. It is of the utmost importance that this product is installed by a qualified installer. Incorrect installation may result in damage to the motorcycle, serious injury or even death. The installer assumes all liability for any damages that result from incorrect installation. User assumes full liability for improper use of the center stand.

Attention Owners / Users

- Never lower the center stand while the engine is running.
- Always make sure your bike is in the fully raised position before lowering the stand otherwise you could damage the center stand.
- Always visually confirm that the center stand is fully lowered before lowering the bike down otherwise, your bike is at risk for falling over.
- You **must** verify that the ground is flat, level and free from low spots that your center stand will set down into or the bike will fall over. **DO NOT PARK ON INCLINE OR DECLINE.**
- You **must** verify that the ground is solid and not soft like grass or mud!
- Also, if you are on asphalt that it is soft either from heat or just poor asphalt, do not use the center stand.
- As soon as you've put the center stand down after riding your bike, rock it back and forth a little to confirm that it's stable before leaving the bike.
- Before using your bike, confirm that the engine will not turn over when the center stand is in the down position. If it does, do not ride the bike, and immediately call Speed by Design.
- If for some reason the center stand doesn't work, please check your 5 amp fuse located in front of the battery compartment.

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Installation Instructions

2000 to 2008 Straight Up Electric Billet Center Stand

YOU MUST READ ALL INSTRUCTIONS PRIOR TO INSTALLATION. It is of the upmost importance that this product is installed by a qualified installer. If the center stand is installed incorrectly, it could result in damage to the motorcycle, serious injury or even death. The installer assumes full liability for incorrect installation. Speed By Design assumes no liability for improper installation or improper use of the electric center stand.

Tools required:

1. 3/16 Alan socket and Torque Wrench
2. Dykes / Wire Cutters
3. Blue Loc-tite
4. Cigarette or Lighter or Heat Gun
5. ¼ drill bit and drill motor

The bike must have adjustable “on the fly” rear air ride suspension with a minimum of two inches of adjustable travel.

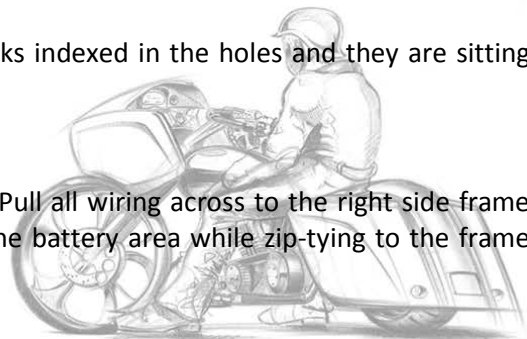
Never remove the bolts holding pivot points to the steel plate at any time for this can create an alignment issue and cause premature wear to the actuator.

Section A: Mounting the Center Stand

1. Slip the center stand into position. Start by placing the center stand on the floor or on the bike lift just in front of the rear tire with center of the axel touching the front center of rear tire.
2. Fish the wiring harness down the left side under the primary, and then slip the center stand into position under the oil pan with the electric actuator coming to rest under the primary.
3. Locate the six bolt holes through the two large holes in the frame cross member, by looking up through the two large holes in the underside of the cross member.
4. Center three of the 5/16 -18 mounting holes through each of the large holes in the cross member. Now the plate should be in position to mount (no drilling necessary).
5. Next, it is time for the two mounting pucks to be bolted into position through the two large holes in the cross member applying blue Loctite to the six mounting bolts and tightening to 130 in-lbs.
6. Once tight please verify that the mounting pucks indexed in the holes and they are sitting down flat on their outside shoulders.

Section B: Wiring

1. It is now time to complete the wiring process. Pull all wiring across to the right side frame rail along it and up the rear upright and into the battery area while zip-tying to the frame along the way.



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2. You should find that you have two wires coming off the harness approximately halfway up the rear upright. It is imperative that these two wires are connected properly. Locate the white plastic connector that is currently plugged into the starter solenoid, you will notice it matches the connector we supplied on our harness. It is now time to unplug the factory white connector from the starter solenoid and plug it into the flat spade terminal we have supplied in our harness. It is imperative that you use the shrink we have supplied to insulate the terminal from grounding out and causing electrical issues and possibly even fire. To do so, slip shrink up wire and over the end of the white plastic connector and use a cigarette lighter or heat gun to shrink down tight. Now take the white connector we supplied and plug it into the starter solenoid.
3. Connect red lead to the positive side of the battery and black lead to the negative side.
4. You must next find a location for the center stands micro toggle switch. We recommend locating it through the left side of the steel plate located just in front of the battery, so the rider can keep his right hand on the brake while raising the Center Stand with his left. Mark the location you have chosen, check thoroughly to make sure the back side of the location is clear and roomy enough for the switch and wiring and that there is enough room to get the toggle through the hole you are about to drill. Clear? Ok drill a 1/4" hole through the plate and mount switch. The switch should be clocked so that when the switch is flipped up the legs travel up.

Section C: Testing the Center Stand

1. You must test the functions of the center stand and the orientation of the switch. If the switch is held in the up position, the stand should run up. If it runs down, rotate the switch 180 degrees. Now with the stand down, start the engine. If the engine does not turn over with the stand down the wiring is done correctly. If for any reason the engine turns over or starts, **DO NOT RIDE** the bike and contact Speed by Design immediately.
2. Next, confirm that the legs are long enough to hold the bike up solidly and safely. This task should be completed on flat and level ground. Run the stand down and air the bike down on the stand grab the bars and rock the bike back and forth. Determine if the bike is stable. If the bike is unstable, do not use the stand and call us immediately.



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Attention Owners and Users

1. Limited Warranty. Speed by Design warrants the products purchased from Speed by Design to be free from defects in materials and workmanship, and will repair or replace, at its sole option, any part of said products. If an exact replacement is not available, an equivalent product or credit will be provided. The Limited Warranty commences on the date of purchase and expires on the one (1) year anniversary. The Limited Warranty does not include damages, malfunctions or failures resulting from the failure to properly install, operate or maintain the products in accordance with the instructions provided by Speed by Design. Furthermore, the Limited Warranty does not include damages, malfunctions or failure caused by misuse, accident, vandalism, corrosion, or an activity or event that is outside the control of Speed by Design. The products covered by this Limited Warranty pertain only to products installed in either the United States or Canada. The Limited Warranty does not cover shipping costs. Dealer or Customer will be responsible for shipping costs and shipping insurance.

2. Limitation of Liability. The Limited Warranty provided herein is the ONLY warranty given by Speed by Design. ANY IMPLIED WARRANTIES, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE APPLICABLE WARRANTY PERIOD SPECIFIED IN THE LIMITED WARRANTY. SPEED BY DESIGN'S SOLE LIABILITY WITH RESPECT TO DEFECTIVE PARTS OR FAILURE SHALL BE SET FORTH IN THE LIMITED WARRANTY, AND ANY CLAIMS FOR INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES ARE EXPRESSLY EXCLUDED.

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