This guide shows you how to replace your existing Slope and Motion Sensor (SMS) box with the new SMS box and accompanying brace. You can also use these instructions to remove or reinstall your existing SMS box.

Parts list (if you ordered a new SMS box)

- 0.675 lb SMS Box
- SMS Mounting Brace
- 1/4-20 allen bolt (in SMS Mounting Brace)

Required tools

- 5/32" allen wrench
- 3/16" allen wrench
- 7/16" socket and ratchet

Preparing to replace your SMS Box and Brace

Before you begin replacing your SMS box, follow these procedures:

- 1. Slide the HCGG toward you on its slide rails so you can access and service the SMS box.
- 2. Turn off the SCCU.
- 3. Remove the door on the left (SMS side) of the HCGG.



1132 W 1700 N Logan, UT 84321 USA Phone: 435-753-1881 Fax: 435-753-1896

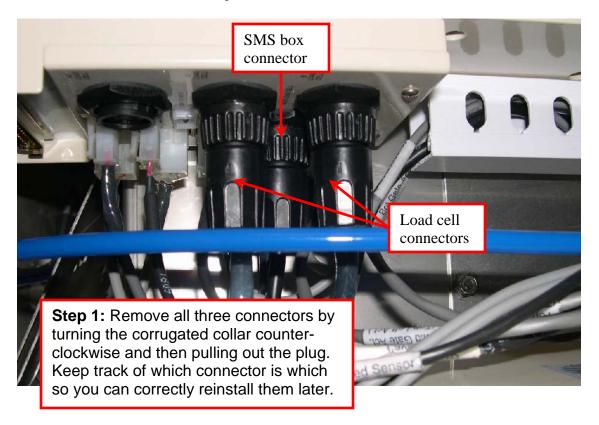
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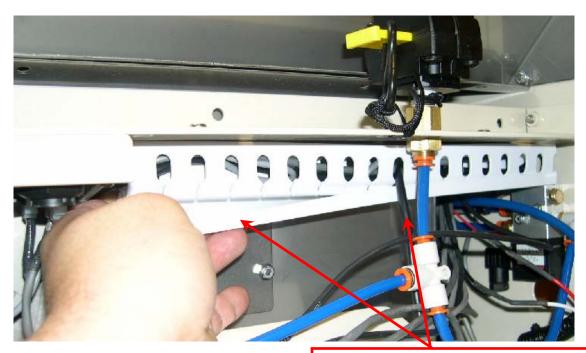
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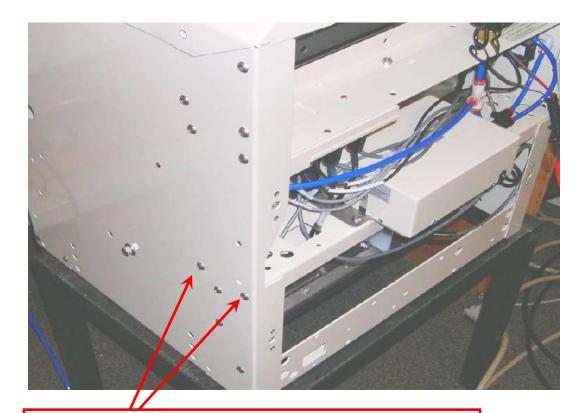
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Part 1: How to remove your old SMS Box





Step 2: Remove the white cable cover and then remove the SMS box cable so that it is free from entanglements.

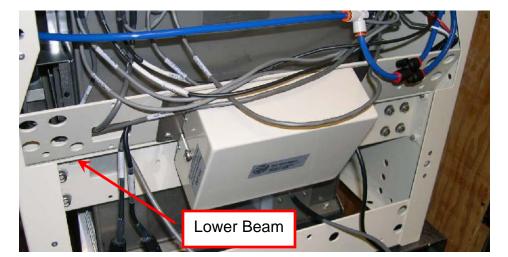


Step 3: Using a 5/32" allen wrench, remove these two bolts and the two on the opposite end of the SMS mounting beam.



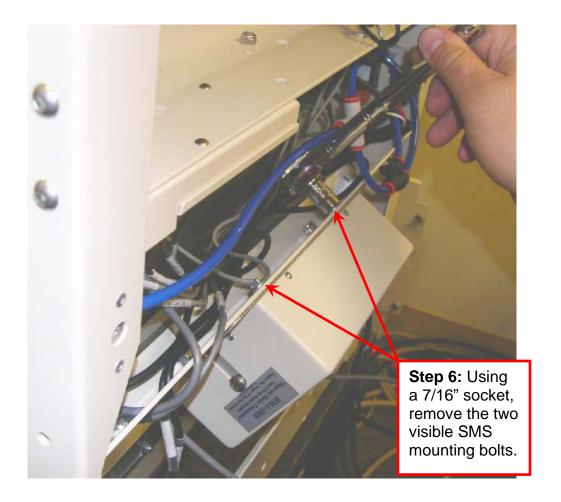


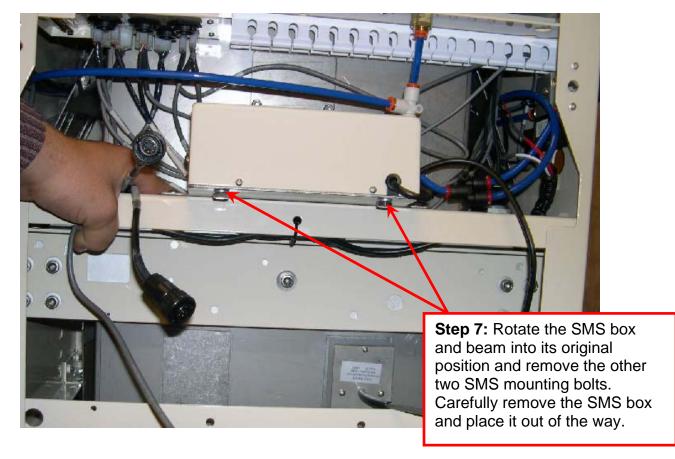




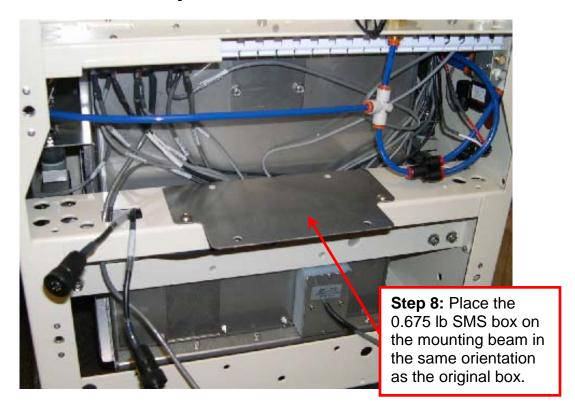
Step 4: Grab the SMS box securely and rotate the SMS box and mounting beam toward you into a vertical position.

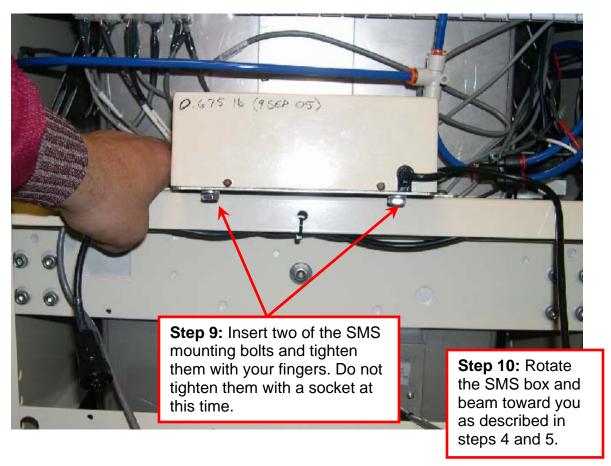
Step 5: Once the box is in the vertical position, move the SMS box and mounting beam up until the beam can be rotated past the lower beam. Be sure to move both ends of the mounting beam together to prevent the beam from binding.

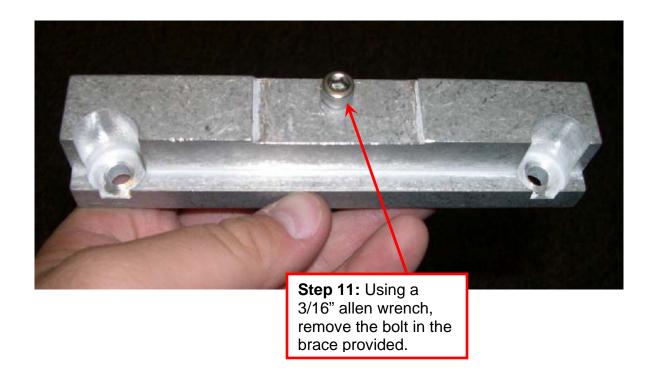




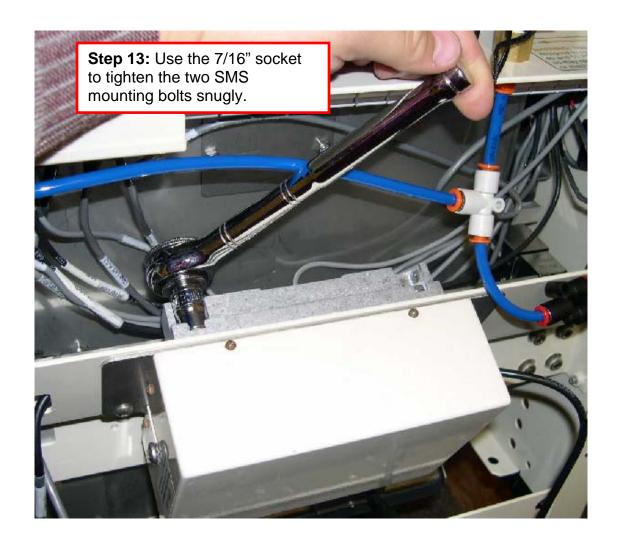
Part 2: How to install your new SMS box

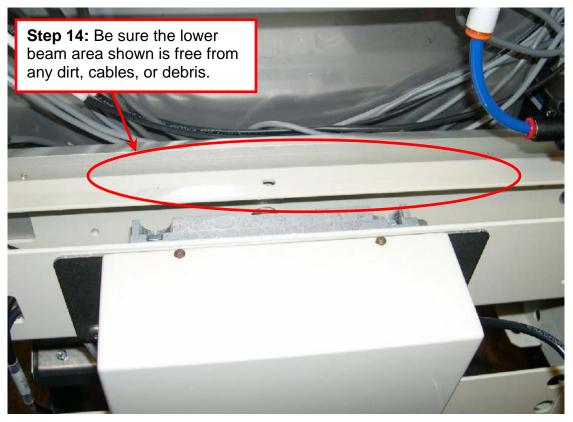


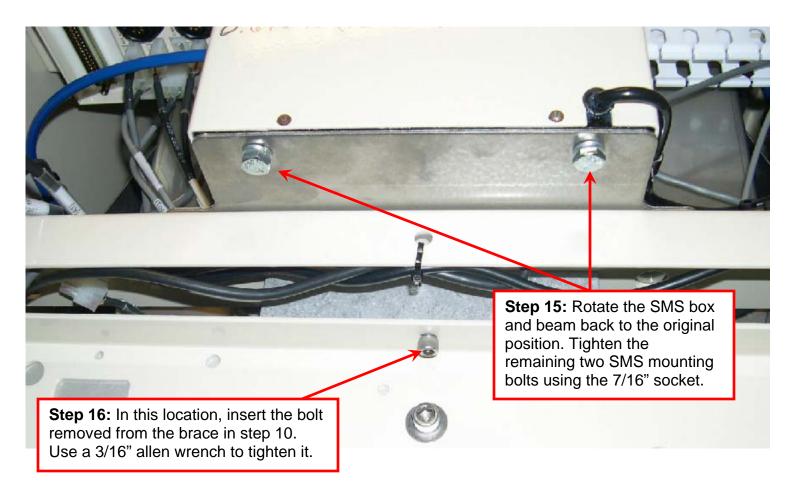


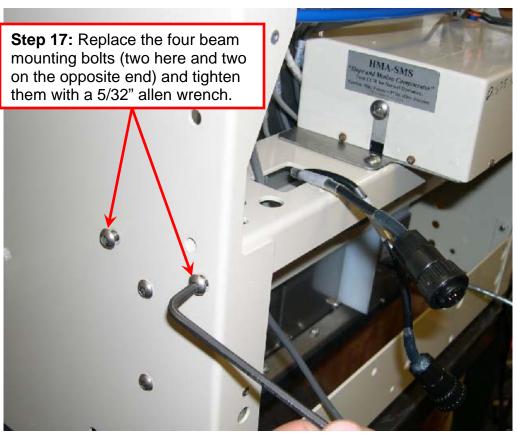


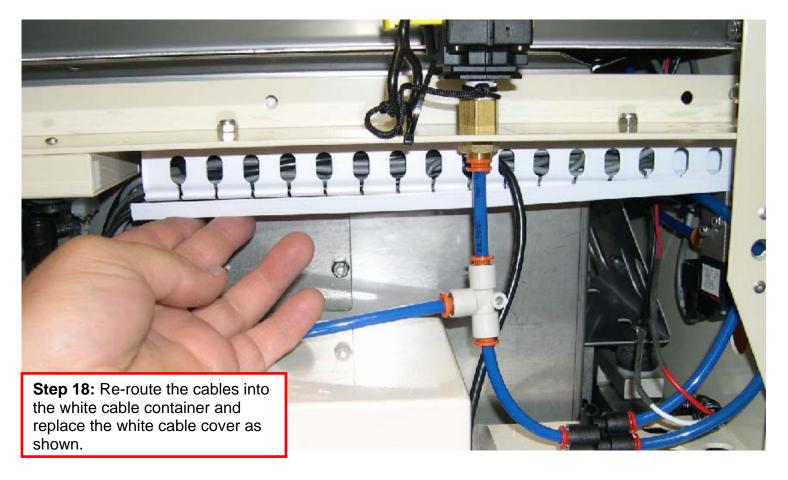


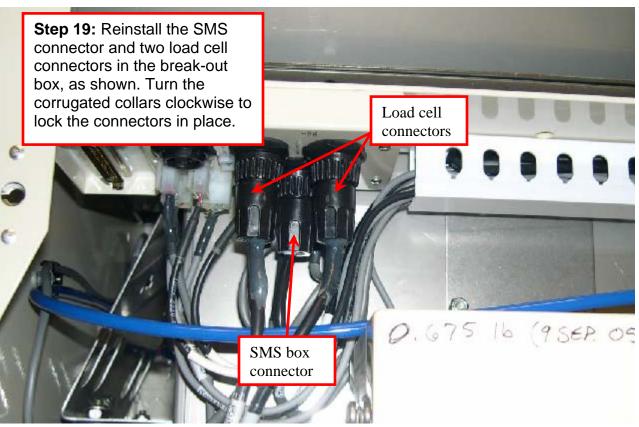












Step 20: Preparing the HCGG for use

Now that you have installed your SMS box, follow these steps to return your HCGG to its original position:

- 1. Place the door back onto the HCGG.
- 2. Slide the HCGG back toward the combine.
- 3. Close the locking mechanisms on the HCGG.

Step 21: Changing the SMS weight on your field computer

If you are replacing a 4-lb SMS box with a .675-lb box, you need to change the existing SMS reference weight in your field computer to 0.675 U.S. units. To do this, complete the following steps:

- 1. Turn on your HM-401 SCCU and wait for the field computer to boot to the *Main Menu* screen of the HCGG software.
- 2. On your field computer, select from the *Main Menu* screen *Setup / Weight/Bucket / S & M Sensor*.

Note: Be sure the shipping stop on the SMS is disabled, the combine is on a level surface, and the thresher is turned off.

- 3. Follow the screen prompts on your field computer and then key in "Ref Wt" (Reference Weight) when the combine is still and level.
- 4. Enter 0.675 U.S. units in the Ref Wt to enable the slope and motion for normal HCGG usage.

Note: The sensor cannot be enabled unless it is connected to the SCCU and HCGG. The combine should be level and stable when enabling.

- 5. Press *Enter* to accept the Ref Wt selection and return to the Weight/Bkt menu.
- 6. Write the new reference weight on the side of the SMS box, as seen on page 11.

Contact Information

Your HCGG and Slope and Motion Sensor should now be ready to use. If you have any questions regarding installation or use of this SMS box, please contact our Service Department.

Phone: 435-753-1881 (8 am to 5 pm, MST)

435-757-5354 (after hours)

E-mail: techsupport@junipersys.com

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