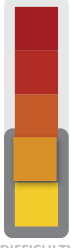




Installation Instructions

PART NUMBER	164-8827	
PART DESCRIPTION	FAILSAFE BEAM SENSOR	
REV DATE	1/19/18	
MACHINE MODELS	FLEX/FLEX WALKER	

TOOLS NEEDED	PARTS
½ DRILL BIT SMALL FLATHEAD SCREWDRIVER PHILLIPS SCREWDRIVER WIRE CUTTERS KOSI CABLE	
TECHNICAL NOTE	
Please thoroughly read the instructions prior to performing the installation of this assembly. To avoid any potential problems, if at any time during the process you have a question, stop, and contact our Tech Support department at the numbers listed below.	

STEPS

- 1) Remove the 10 pin side guard (right side).
- 2) Drill one ½ hole on the 10 pin side of the machine 5 inches from the bottom of the machine and 2 inches above the caster mount angle and install the grommet supplied with the kit.
As shown in the picture below.
- 3) Remove the existing bolt on the 10 pin side in the squeegee channel and replace it with the new one supplied with the kit. Install the beam sensor with the flat, lock washer and hex bolt and tighten securely.



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Outside USA - +1 863-734-0200
www.kegel.net
E-Mail: tech@kegel.net

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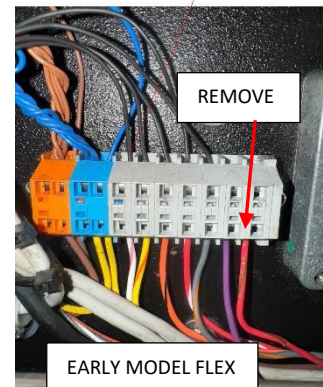
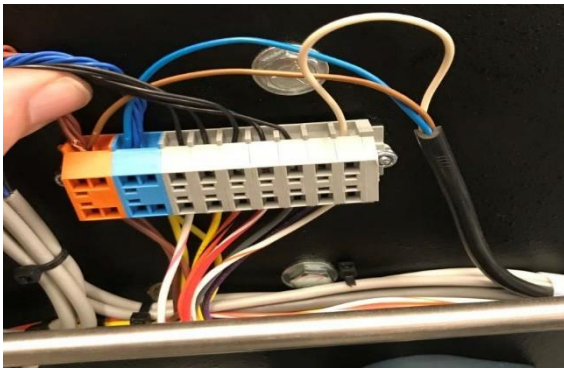




Installation Instructions



- 4) Run the wire from the sensor beam through the $\frac{1}{2}$ inch hole and along the wire harness and cut the wire about 6 inches past the wago block. Strip back the insulation and cut away the black wire as it will not be used.
- 5) Install the brown wire into the orange wago block, the blue wire into the blue wago block, and the white wire into the grey wago block that is empty on both sides.



- 6) On the 10 pin side of the machine locate the failsafe switch and remove the white/orange wire and cut off the terminal. (On early model Flex machines, you will need to remove the Red/Brown wire and cut flush and wire tie to the harness). Pull the wire back through the wire harness all the way back to the wago block. Strip the end of the white/orange wire and install it into the bottom side of the grey wago block where you installed the white wire from the sensor beam. Wire tie all the loose wires.



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Installation Instructions



- 7) On the Input side of the PLC locate input 1CH 07 there should be 2 white/orange wire on this input. Remove one of the white/orange wires that goes to the other failsafe switch on the 7 pin side of the machine. To help locate the correct wire you can use a voltage reader and test for continuity and zip tie the wire out of the way do not remove the wire completely. To double check you removed the correct wire you can run your hand in front of the beam sensor and the input 1CH 07 light will go off and on.



- 8) You will now need to call Kegel (1-800-280-2695) and download the new thoughtware into your machine for this sensor to work.



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