Special instructions using the Saw Stop Table Saw

Online Demonstration: http://www.youtube.com/watch?v=cTUOhYcw4ZY

The Saw Stop table saw can tell the difference between cutting wood and cutting a person. If you ever accidentally contact the moving blade, an electronic device and piece of aluminum will stop the blade in milliseconds to minimize any injury. However, count on the saw cutting into your skin at least a $1/16^{th}$ of an inch for every foot per second your hand or other body part is moving.

There are several things to keep in mind before cutting with the Saw Stop table saw. They are:

1) Only cut **non-conductive** materials
    a. If a static charge is created the brake cartridge may stop the blade

A list of non-conductive materials:

- Most plastics
- Foam
- Cardboard
- Corian
- Melamine
- Wood

If you are not sure if the material you are cutting is conductive…ASK! The Delta table saw can be used to cut some conductive materials.

A list of conductive materials

- Aluminum
- Carbon Fiber
- Mirrored Acrylic (Plexiglass)
- Carbon-filled materials
- Pressure Treated Wood (Green Treated Wood)
- Laxan (Polycarbonate)

2) There are a number of system codes that tell a user if the saw is operating properly. A list of these codes can be found hanging above the saw and also to the left hand side of the power box. **If you are unsure of the system status, ASK!**

3) Only use conductive blades.
    a. After changing a blade spin the blade to ensure it will not touch the brake. A US nickel can be placed between the closest points on the blade and the brake cartridge to give proper spacing

4) If you are not cutting all the way through your work-piece the riving knife needs to be installed. **Find shop staff to help you properly set up the saw.**

5) Table inserts must be non-conductive to prevent the brake caliper from engaging.

6) If you are cutting material at a 45 degree angle or have recently moved the angle to 0 degrees, release the tension after you hit the limit stops.
    a. This prevents twisting of the cast iron assembly that may affect blade parallelism and table alignment.

Using Your Saw

4. System Status Codes:

In the event that the safety system detects an error, the LEDs on the Switch Box will display a status code to indicate what error has been detected. Table 1 shows the different status codes which can be displayed. A complete description of each status code and the necessary corrective action is provided below.

System Status Codes		
Green LED	Red LED	Status
▬▬▬	▬ ▬ ▬	System Initializing
▬▬▬		System Ready
	▬▬▬	Replace the Brake Cartridge
■ ■ ■ ■ ■		Blade is Coasting Down
▬ ▬ ▬		Bypass Mode is *ON*
■ ■ ■ ■ ■	■ ■ ■ ■ ■	Switch the Start/Stop Paddle to *OFF*
	▬ ▬ ▬	Turn the Cartridge Key to *ON*
■ ■ ■ ■ ■	▬▬▬	Close Belt Access Door and Motor Cover
▬ ▬ ▬	▬▬▬	Adjust Position of the Brake Cartridge
▬▬▬	■ ■ ■ ■ ■	Contact was Detected During Standby
▬ ▬ ▬	■ ■ ■ ■ ■	Contact was Detected During Bypass
	■ ■ ■ ■ ■	Overload Due to Wet Wood

Table 1

Symbol Key:

■ ■ ■ ■ ■ Green LED blinks fast	■ ■ ■ ■ ■ Red LED blinks fast
▬ ▬ ▬ Green LED blinks slowly	▬ ▬ ▬ Red LED blinks slowly
▬▬▬ Green LED is on solid	▬▬▬ Red LED is on solid

***WARNING!** Always switch both the Disconnect Switch and the Main Power Switch to OFF before performing adjustments or maintenance to the saw.*