Students please affix one of your self adhesive identification labels to this space. Do not obscure other parts of this page with the label. If you do not have a self adhesive identification label, please complete the following information. Write your name as it appears on your badge.

Your Name: _____

Participation Number:

			0	3				0	

Two letter state abbreviation. →

State code (0301, 0302, …… to 0350)

Team member number (01, 02, 03, or 04)

Students please do not write or mark within this box.

Judges, after this skill sheet has been scored and double checked, write the total score for this activity in the blank below.

Skill Activity Score: _____

Judges Initials: _____

2010 National Agriculture Mechanics Career Development Event: Energy Systems

Materials Provided: Irrigation timer, 2 solenoid operated in-line irrigation control valves, irrigation wire, wire strippers and cutters, wire nuts.

Skill Activity: Properly strip the wire and connect the in-line valves to stations 1 and 2 on the irrigation timer using wire nuts. Do not cut off the excess wire beyond the masking tape mark.

When troubleshooting any irrigation system, it is always best to check the most common (basic problems) first. What are four of the basics that would be found in most troubleshooting guides?

1.

2.

3.

4.

Students do not write below this line,

Skill Activity Scoring	Possible Score	Student Score
Part A: Question 1	2 points	_____
Part B: Questions 2, 3, and 4	6 points	_____
Part C: Questions 5 and 6	6 points	_____
Part D: Questions 7, 8, and 9	8 points	_____
Part E: Question 10 and 11	6 points	_____
Part F: Question 12	2 points	_____

Safety: If unsafe practices are demonstrated, if a fuse or fuses are intentionally blown, or any equipment is (– 5 to – 30) (-_____)
damaged, deductions of from 5 to 30 points can be made to penalize the student. A negative score cannot be recorded.

Total _____

30 points maximum