

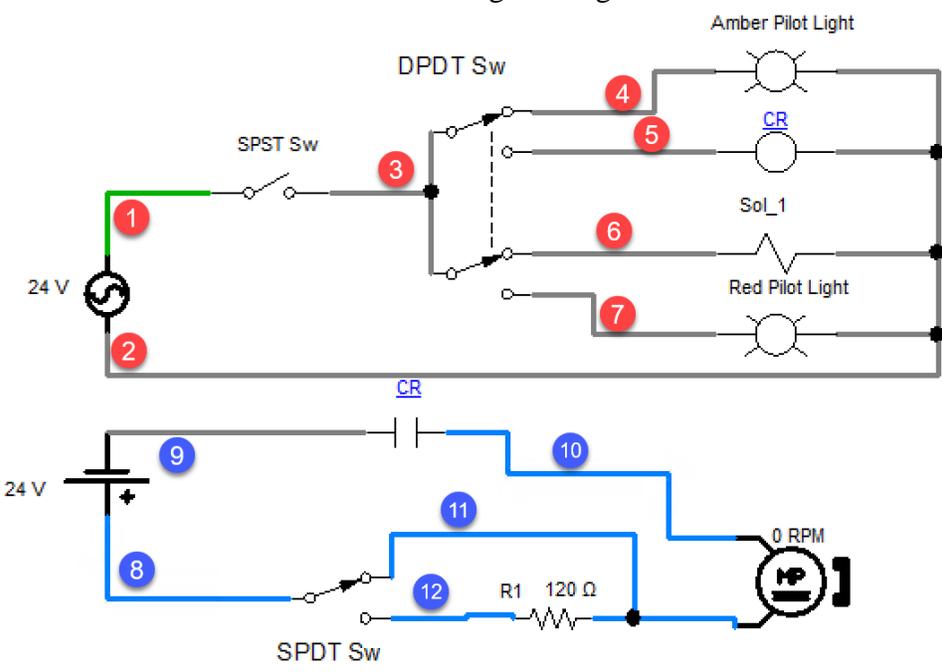
Student Name: _____ N# _____ Date: _____

This Hands-On Assessment (HOA) requires that each student successfully demonstrates each of these tasks to the instructor’s satisfaction.

Prior to taking this assessment, the student must pass (minimum of 80%) the Knowledge and Application Assessment.

The student cannot proceed to the HOA for the next module without completing this HOA.

This assessment has 2 parts: Hardware in the lab, and operating Automation Studio.

Check	#	Skills Task
_____	1.	<p>Connect this circuit on the AC/DC wiring training unit.</p> 
_____	2.	Explain the operation of the circuit to the instructor.
_____	3.	Identify and explain each electrical symbol on the circuit diagram.
_____	4.	Explain the voltage drop at each node as specified by the instructor.
_____	5.	Instructor will inject a fault in the circuit
_____	6.	Troubleshoot the specific fault in the circuit
_____	7.	Instructor will identify an output component that is not working, and you must determine what could be wrong.

<p>_____</p>	<p>8.</p>	<p>Identify all the symbols on the following table to the Instructor:</p>
<p>_____</p>	<p>9.</p>	<p>Identify and explain the switch symbols as shown below:</p>
<p>_____</p>	<p>10.</p>	<p>Identify and explain the switch symbols as shown below:</p>
<p>_____</p>	<p>11.</p>	<p>Instructor will ask two questions on Labs 2.1 and 2.2, from the questions and the lab process.</p>
<p>_____</p>	<p>12.</p>	<p>Instructor will ask two questions on Labs 2.3 and 2.4, from the questions and the lab process.</p>

13. Go into the Virtual Machine. Open Sakai, then go to the Message Tool, to find the Automation Studio file the Instructor has sent you. This will have the same circuit as was used in Lab 2.5, with faults that will be injected into the circuit with the fault switches. The Instructor will give direction on finding the various faults.

