Topic Skills Practice Cover Sheet

Unit Name:	UEEEL0019 Solve problems in direct current (d.c.) machines
Topic Title:	Motors

Skill Practice Number:	3.3.1
Skill Practice Name:	d.c series motor characteristics

Student Name:	
Student ID:	
College/Campus:	
Group:	

Results	
Planning:	
Carryout:	
Completion:	
Overall Results:	
Comments:	

Topic Skills Practice 3.3.1

KE-UEEEL0019 Knowledge Evidence

Topic 3: Motors

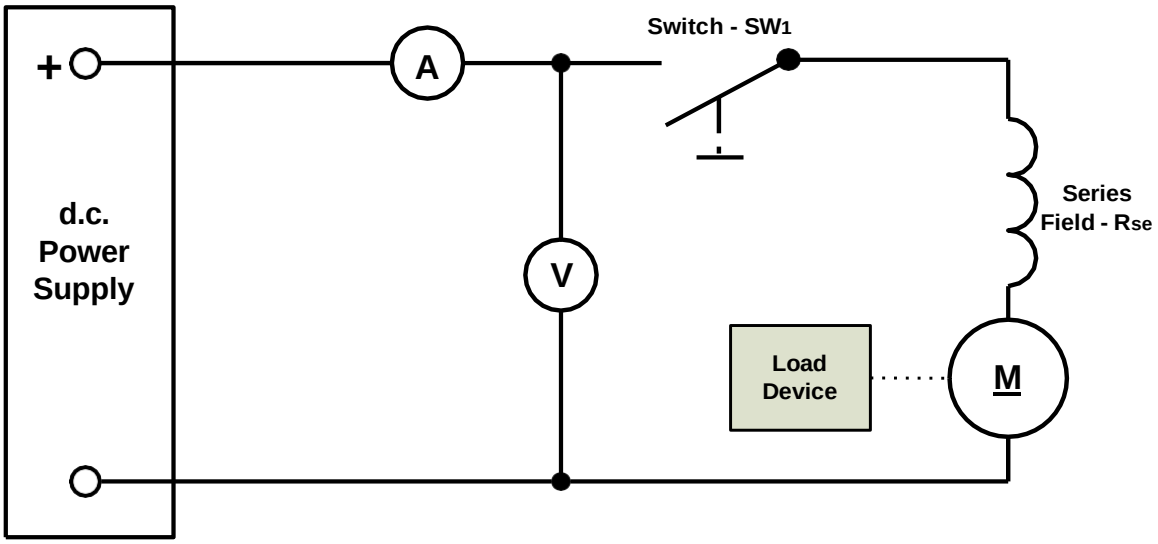
Skills Practice 3.3.1: d.c series motor characteristics

Task:
To connect a d.c. series motor and examine the no-load and load characteristics.

Objectives:
At the completion of this skills practice, you should be able to:

- Connect a d.c. series motor
- Operate a d.c. series motor on no-load and on load
- Examine the characteristics of d.c. series motor.
- Reverse the direction of rotation of a d.c. series motor.

1. Connect the equipment as shown in Figure 3.1 below for a series d.c. motor.



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. Explain how to reverse the direction of rotation of d.c. series motors.

3. Would the direction of rotation be reversed if the supply leads were interchanged?

Topic Skills Practice Cover Sheet

Unit Name:	UEEEL0019 Solve problems in direct current (d.c.) machines
Topic Title:	Generators

Skill Practice Number:	2.3
Skill Practice Name:	d.c Compound Generator Characteristics

Student Name:	
Student ID:	
College/Campus:	
Group:	

Results	
Planning:	
Carryout:	
Completion:	
Overall Results:	
Comments:	

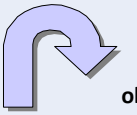
Topic Skills Practice 2.3

1. What factors cause the voltage to decrease as the load is increased?

2. How can you restore the residual magnetism in a self-excited compound generator?

3. List some applications of a d.c. compound generator.

Topic Skills Practice 2.3

	 Have your teacher/trainer check your observation answers are correct ***Feedback***	**Teacher/Trainer Initials and Date**	√