



WORKSHEET 2-8 ***Back-up Lights Circuit***

Vehicle	Year/Prod. Date	Engine	Transmission
---------	-----------------	--------	--------------

Worksheet Objectives

When you have completed this worksheet, you will be able to:

- Trace current in any Toyota wiring diagram.
- Predict available voltage at specified points in a circuit.

Tools and Equipment

For this exercise you will need the following:

- Technician's Handbook
- EWD
- Vehicle

Exercise 1: On-Vehicle (optional)

Use the appropriate vehicle wiring diagram to complete this exercise on the back-up lights circuit.

1. Where is the fuse for the circuit located?

2. What is the current rating of the fuse? _____ amps

3. Where is the circuit grounded?

4. How would the circuit be effected by a high resistance connection to ground?

5. ON-VEHICLE - Apply the parking brake. Turn the ignition switch to ON, but do not start the engine. Measure the voltage drop across the back-up light switch.

Record the value here: _____ volts.

6. ON-VEHICLE - Measure the voltage drop across each back-up light. Record the values here:

LEFT _____ volts; RIGHT _____ volts.

7. Turn the ignition switch to LOCK and return the vehicle to its normal condition.

Back-up Lights Circuit

Name: _____ Date: _____

Review this sheet as you are doing the Back-up Lights Circuit worksheet. Check each category after viewing the instructor's presentation and completing the worksheet. Ask the instructor if you have questions regarding the topics provided below. Additional space is provided under topic for you to list any other concerns that you would like your instructor to address. The comments section is provided for your personal comments, information, questions, etc.

I have questions

I know I can

Topic

Comment

Predict Available Voltage			
Trace Current			
Measure Voltage Drop			