

NATEF TASK SHEET SECTION A.5 F.5 P-1

A5F5: CHECK OPERATION OF BRAKE STOP LIGHT SYSTEM; DETERMINE NECESSARY ACTION. P-1

Student: _____ Date: _____ Period: _____

VIN: _____ Year: _____ Make: _____ Model: _____

Engine: _____ Transmission: _____ Production Date: _____

OBJECTIVE: Student will check operation of brake stop light system; determine necessary action.

MATERIALS:

1. EYE PROTECTION
2. Test light
3. Hand tools and DMM
4. OEM service information (All-Data)
5. Vehicle (see instructor)

PROCEDURE: WEAR SAFETY GLASSES FOR THIS ENTIRE PROCEDURE!

Operate the brake lights and verify there is a problem.

Do all the brake lights work (including center stop light)? YES NO Circle One

AT ANY POINT, IF ALL BRAKE LIGHTS ARE WORKING, YOU CANNOT PROCEED FURTHER.

Locate the fuse for the brake light circuit and check the fuse.

Is the fuse good? YES NO Circle One

Replace the fuse if it is not good before you proceed. Recheck brake lights.

Remove the brake light bulbs that are not working and inspect/ test w/ ohmmeter.

Is (Are) the bulb(s) good? YES NO Circle One

Replace the bulb(s) if they are not good before you proceed. Recheck brake lights.

Locate the brake light switch for the brake light circuit and check the switch w/DVOM.

Is the brake light switch good? YES NO Circle One

Replace the switch if it is not good before you proceed. Recheck brake lights.

Finally, print out a wiring schematic for the brake light system and follow the power from the positive post on the battery (+) to the fuse. **Is there power? YES NO Circle One**

If no, find the open circuit between the battery + and the fuse and repair. Recheck brake lights.

If yes, test for power at the brake light switch. **Is there power? YES NO Circle One**

If no, find the open circuit between the fuse and the brake light switch and repair. Recheck brake lights.

If yes, test for power at the brake light bulbs (with someone pressing the brake pedal).

Is there power? YES NO Circle One

If no, find the open circuit between the brake light switch and the brake light bulb and repair.

Recheck brake lights. **Was there an open circuit? YES NO Circle One**

If yes, check to ground wires to each light bulb and repair. Now they work and you are done☺

INSTRUCTORS EVALUATION

LEVEL OF SKILL ATTAINED	Initial	OVERALL SKILL EVALUATION	Points
DEMONSTRATES MASTERY (5)		DOCUMENTATION COMPLETENESS (1)	
PERFORMS SATISFACTORILY (4)		SAFETY COMPLIANCE (1)	
CAPABLE, NEEDS PRACTICE (3)		WORK PROFESSIONALISM (3)	
ASSISTED IN PERFORMING (2)		LEVEL OF SKILL ATTAINED (1-5)	
EXPOSURE, OBSERVATION (1)		TOTAL SCORE	
INSTRUCTOR'S SIGNATURE:			

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