

NATEF TASK SHEET --- SECTION A.5 B.3, B.6 P-1

A5B3, A5B6: INSPECT BRAKE HYDRAULIC SYSTEM

Student: _____ Date: _____ Period: _____

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

OBJECTIVE: Student will check the brake hydraulic system for internal and external leaks and proper operation; determine necessary action.

- MATERIALS:**
1. **EYE PROTECTION**
 2. Safety stands or lift
 3. Flash Light (If Needed)
 4. All-Data or Equivalent
 5. Vehicle (see instructor)

PROCEDURE: WEAR EYE PROTECTION!

FOLLOW THE PROCEDURE BELOW FOR CHECKING THE BRAKE HYDRAULIC SYSTEM FOR INTERNAL AND EXTERNAL LEAKS.

1. CHECK THE FLUID IN THE MASTER CYLINDER RESERVOIR .

HOW FULL WAS IT? _____ WAS IT CLEAN? _____ (THE FLUID SHOULD BE CLEAR AND TRANSPARENT)

WHAT TYPE OF FLUID IS RECOMMENDED FOR THIS VEHICLE? DOT ____ **DOES THE FLUID NEED TO BE FLUSHED?** _____

BEFORE PROCEEDING, ADD FLUID TO THE MINIMUM LEVEL IF THE FLUID IS BELOW THAT. DID YOU ADD FLUID? YES NO (CIRCLE ONE)

2. CHECK THE MASTER CYLINDER OPERATION.

PRESS DOWN ON THE BRAKE PEDAL AND HOLD STEADY. DOES IT GO TO THE FLOOR? DOES IT HOLD STEADY AND FIRM? (CIRCLE ONE)

IF THE PEDAL SLOWLY GOES TO THE FLOOR, THERE IS A HYDRAULIC LEAK IN THE SYSTEM. **IS THERE A HYDRAULIC LEAK?** _____

NOW PUMP THE BRAKE PEDAL 4-5 TIMES QUICKLY.

DID THE PEDAL STAY THE SAME HEIGHT? DID THE PEDAL INCREASE HEIGHT? (CIRCLE ONE)

IF THE HEIGHT INCREASED THERE IS AIR IN THE BRAKE LINES. **IS THERE AIR IN THE BRAKE LINES?** YES NO (CIRCLE ONE)

3. CHECK THE BRAKE BOOSTER OPERATION.

FIRST PRESS THE BRAKE PEDAL 4-5 TIMES, THEN PRESS DOWN FIRMLY ON THE BRAKE PEDAL, AND FINALLY START THE ENGINE. THE BRAKE PEDAL SHOULD DROP 1 INCH IF THE BRAKE BOOSTER IS WORKING PROPERLY.

IS THE BRAKE BOOSTER WORKING PROPERLY? YES NO (CIRCLE ONE)

4. RAISE THE VEHICLE AND CAREFULLY INSPECT THE BRAKE LINES, HOSES, AND BACKING PLATES FOR DAMPNES AND FLUID LEAKS.

ALSO, LOOK UNDER THE MASTER CYLINDER WHERE IT ATTACHES TO THE BRAKE BOOSTER UNIT, AT CALIPERS, AND AT WHEEL CYLINDERS. LOOK FOR RUST, CORROSION, DAMPNES AND OTHER EVIDENCE OF DAMAGE.

LIST ALL YOUR FINDINGS FOR NUMBERS 1-4 HERE: _____

LIST ALL THAT NEEDS TO BE DONE TO GET THE SYSTEM UP TO MANUFACTURER'S SPECIFICATIONS. _____

INSTRUCTORS EVALUATION

LEVEL OF SKILL ATTAINED	<i>Initial</i>	OVERALL SKILL EVALUATION	<i>Points</i>
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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