

NATEF TASK SHEET --- SECTION A.5 C.3 (P-1)

A5C3: MACHINE BRAKE DRUM

Student: _____ Date: _____ Period: _____

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

Engine: _____ Transmission: _____ Production Date: _____

OBJECTIVE: Student will evaluate and machine a brake drum.

- MATERIALS:**
1. **EYE PROTECTION**
 2. Dial Indicator and Drum Micrometer.
 3. Brake Lathe
 4. Vehicle or Drum (see instructor)

PROCEDURE: **WEAR EYE PROTECTION!** Measure drum diameter with drum micrometer and record measurement below. Compare to maximum drum diameter specifications. Rotate drum and measure out-of-round and record measurement below. Place drum on brake lathe. Look up vehicle in brake specification booklet and record maximum diameter and maximum out-of-round specifications below. Machine drum on brake lathe. Measure drum diameter after machining and record measurement below. Compare to maximum drum diameter specifications. Do not to get grease, dirt, or finger prints on machined surface.

<u>Record Measurements:</u>	<u>Before Machining</u>	<u>After Machining</u>	<u>Vehicle Specifications</u> (All-Data or Fast Spec)
Drum Diameter			Maximum
Out-of-Round			Maximum

YOUR RECOMMENDATIONS: _____

(Does the drum need to be replaced, can it be machined?)

PROBLEMS / CONCERNS: _____

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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