

NATEF TASK SHEET --- SECTION A.5 D9 (P-1)

A5D9: MACHINE FRONT BRAKE ROTOR ON VEHICLE

Student: _____ Date: _____ Period: _____

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

Engine: _____ Transmission: _____ Production Date: _____

OBJECTIVE: Student will evaluate and machine a rotor on the vehicle.

- MATERIALS:**
1. **EYE PROTECTION**
 2. Dial Indicator and Rotor Micrometer.
 3. On-the-Car Brake Lathe
 4. Vehicle (see instructor)

PROCEDURE: **WEAR EYE PROTECTION!** Remove front wheel and brake caliper. Place brake lathe on vehicle (see procedure provided by on-the-car lathe)(watch video if available). Attach magnetic mount dial indicator at 90 degree angle to rotor face. Rotate rotor assembly and measure lateral run-out. Record measurement below. Measure rotor thickness with micrometer and record measurement below. Look up vehicle in brake specification booklet and record minimum thickness and maximum lateral run-out specifications below. Machine rotor on vehicle. Measure rotor thickness after machining and record measurement below. Do not get grease, dirt, or finger prints on rotor machined surface.

Record Measurements:	Before Machining	After Machining	Vehicle Specifications
Rotor Thickness			<u>Minimum</u>
Lateral Run-out			<u>Maximum</u>

YOUR RECOMMENDATIONS: _____
(Does the rotor need to be replaced?)

PROBLEMS / CONCERNS: _____

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: _____			