TASK SHEET
NATEF STANDARD A.5 D.1,7 (P-1)

A5D7: MEASURE THICKNESS AND LATERAL RUNOUT ON A BRAKE ROTOR

Student: _____ Date: _____ Period: _____

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

Engine: _____ Transmission: _____ Production Date: _____

OBJECTIVE: **Student will measure thickness and lateral runout on a front brake rotor, evaluate overall condition, and determine necessary action.**

MATERIALS:
1. **EYE PROTECTION**
2. Floor Jack and Safety Stands or Hoist
3. Hand Tools and Lug Wrench
4. Micrometer and Dial Indicator
5. Vehicle (see instructor)

PROCEDURES: **WEAR EYE PROTECTION!** Set parking brake and put vehicle in park. Safely raise vehicle with floor jack and place safety stands under vehicle jack points. Lower vehicle and determine if secure. Remove front wheels. Remove calipers and brake pads.
Measure lateral runout and record below. Compare to specifications.
Measure rotor thickness and record below. Compare to specifications.
Re-install caliper and brake pads. Torque mounting bolts.
RECORD MOUNTING BOLT TORQUE _____ FTLBS.
Install wheel and torque lug nuts to specs. **LUG NUT TORQUE _____ FTLBS.**

	MEASURED / OBSERVED	SPECIFICATIONS
ROTOR THICKNESS (INCHES)		MIN. THICKNESS
LATERAL RUNOUT (INCHES)		MAX. RUNOUT
SURFACE CONDITION		SMOOTH SHINY SILVER SURFACE

IF THE LATERAL RUNOUT SPECIFICATION IS EXCEEDED, WHAT COMPLAINT WOULD YOU EXPECT TO HEAR FROM THE VEHICLE OWNER? _____

YOUR RECOMMENDATIONS: _____

(*Does it need to be replaced? Why?)*

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:				