

NATEF TASK SHEET --- SECTION A.1, A.7 P-1

TUNE7: ENGINE COMPRESSION TEST

Is your engine mechanically sound?

Student: _____ Date: _____ Period: _____

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

Engine: _____ Transmission: _____ Production Date: _____

OBJECTIVE: Student will perform a compression test and evaluate results.

MATERIALS:

1. **EYE PROTECTION**
2. Hand Tools
3. Compression Tester
4. Running Vehicle (see instructor)

PROCEDURE: **WEAR EYE PROTECTION!** . WATCH POWER POINT/VIDEO **TUNE7**.
Locate and mark spark plug wires to ease reinstallation. Locate and remove spark plugs. Screw compression tester into #1 spark plug hole. Crank engine over 8-10 revolutions. Note compression tester reading and write down on skill sheet. Release pressure on tester and repeat procedure for each consecutive cylinder. Document all compression readings. Reinstall spark plugs and wires. Start vehicle to assure smooth idle and correct plug wire installation. Determine if compression is within factory specifications. Document compression specifications.

CYLINDER#	PSI	CYLINDER#	PSI
1.		5.	
2.		6.	
3.		7.	
4.		8.	

LOOK-UP FACTORY SPECIFICATIONS:

What is it supposed to be?

RECOMMENDATIONS:

(What needs to be done to the engine?)

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:			

TUNE7 COMPRESSIONTEST /07-29-08/ vdb