

NATEF TASK SHEET --- SECTION A.4 E.8 P-2

TIRE 6: TIRE, TREAD PUNCTURE REPAIR ON RIM

Student: _____ Date: _____ Period: _____

Tire Brand: _____ Tire Size: _____ Rim Size: _____

Tire Manufacturing Date: _____

OBJECTIVE: Student will repair tire tread puncture while tire is on rim.

- MATERIALS:**
1. ***EYE PROTECTION!***
 2. Tire plug, reamer, and insertion tool
 3. Tire pressure gage
 4. Tire on rim

PROCEDURE: ***WEAR EYE PROTECTION! Watch power point/Video Tire 6.***
 Inflate Tire to maximum pressure on sidewall. Locate puncture using tire tub or soap solution spray. Remove any object that is embedded into tread at leak location noting angle of puncture. Insert reamer tool at same angle that puncture entered tire tread and ream in and out several times to clean and enlarge hole. Insert plug into insertion tool with equal amounts of plug on each side of tool. Lubricate tip of insertion tool with rubber cement or petroleum jelly. Quickly remove reamer from tire and insert plug into hole leaving about 1/2" of plug protruding from hole. Remove insertion tool and air tire to specifications. Recheck location for leaks. Cut off extra portion of plug that sticks out if desired.

NOTE: SIDEWALL PUNCTURE REPAIRS ARE NOT LEGAL OR RECOMMENDED!

RECORD TIRE PRESSURE: _____ **PSI.**

What two requirements must be met in order for a tire to be pluggable?

1. _____
2. _____

TREAD CONDITION: _____ **RIM CONDITION :** _____

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: _____