

NATEF TASK SHEET --- SECTION A.8 A.6

Tune3: REMOVE AND INSTALL SPARK PLUGS AND SET ELECTRODE GAP

Student: _____ Date: _____ Period: _____

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

Engine: _____ Transmission: _____ Production Date: _____

OBJECTIVE: Student will remove, install, gap and evaluate spark plugs.

- MATERIALS:**
1. **EYE PROTECTION**
 2. Spark plug socket, extension, and ratchet.
 3. Feeler Gage and Spark Plug Catalog
 4. WD40, Anti-Seize Compound or similar lubricant
 5. Vehicle or Engine (see instructor)

PROCEDURE: WEAR EYE PROTECTION! Watch power point/video **Tune3**. (Each student will remove and install at least 2 spark plugs.) Student will remove spark plug boot by rotating boot on plug to loosen connector and gently pulling wire off plug. (**ONLY REMOVE AND INSTALL ONE PLUG AT A TIME!**) Using plug socket and ratchet *Gently* remove spark plug. Be careful not to break porcelain insulator on spark plug. *Note Spark Plug Part Number*. Check electrode gap with feeler gage. *Note gap and appearance found below*. Reset electrode gap to factory specs. *Note plug gap specs below*. Lubricate spark plug threads with lubricant. Reinstall spark plug by hand 3-4 turns and then use the socket and ratchet to torque spark plug to specs. Reattach spark plug wire. Repeat procedure for each plug.

Spark Plug Appearance: _____ (**SEE CHART IN SPARK PLUG CATALOG**)

- _____ Spark Plug Part Number
- _____ Electrode Gap Found (*Where did you find it?*)
- _____ Electrode Gap Specifications (*What you set it to!*)
- _____ Spark plug torque Specification (*How tight did you tighten it?*)

Your Recommendation: _____ **Replace** _____ **Reuse**

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: _____

Tune3 SparkPlugs /07-23-08/ vdb