BTC Automotive Technology

Job Sheet: EL4 – Charging system repair

Objective: To familiarize student with the repair of a typical charging system problem.

Procedure: Repair charging system as required and record information below. Student must be time efficient in all activities and must not exceed 2 times flat rate.

Vehicle: ______________________________________________

Complaint: ______________________________________________

☐ Remove an alternator as per manufacture’s procedures.

☐ Disassemble alternator, clean, inspect and test internal components. Record any failures.

☐ Does this alternator use an internal or external voltage regulator? ______

☐ What device is used to convert the AC voltage over to a DC voltage in this alternator? ________________________________

☐ Install alternator as per manufacture’s procedures and adjust drive belt.

☐ Test output of charging system to ensure proper operation.

Related NATEF tasks: VI.D.3 VI.D.5 VI.D.6 VI.A.2 VI.A.6 VI.A.9 VI.A.10