



A. E. A. TUNE-UP

PROCEDURE AND DIAGNOSIS

ADDITIONAL SUGGESTIONS OR RECOMMENDATIONS

Owner's Name _____ Phone _____

Address _____ City _____

Make of Car _____ Year _____ License _____ Mileage _____

CUSTOMER COMPLAINT

Gas Mileage Acceleration High or Low Speed Performance, check items 6 thru 15.

Hard Starting check items 2 & 3 plus 6 thru 14, OR

NO. 1—PRELIMINARY

(A) Cover steering wheel, front seat and fender with suitable covers.

NO. 2—BATTERY AND CABLES

(A) Inspect hold-down clamps or cover and carrier.

(B) Check specific gravity of electrolyte.

(C) Check cables and starting motor circuit for excessive voltage drop.

(D) Check voltage of each cell under load. (Omit this operation if battery is below 1.225.)

(E) Add water if necessary.

NO. 3—STARTING MOTOR

(A) Inspect commutator for burned bars, high mica, dirt, etc.

(B) Check switch contacts for excessive voltage drop.

(C) Lubricate with 6 or 8 drops of light engine oil. (Do not over-lubricate.)

NO. 4—GENERATOR

(A) Remove cover band and inspect commutator and brushes.

(B) Remove fan belt and check for looseness in bearings and pulley.

(C) Inspect condition and adjust belt to proper tension.

(D) Lubricate generator with 6 or 8 drops of light engine oil.

(E) Check generator output.

NO. 5—GENERATOR REGULATOR

(A) Check cut-out relay, voltage and current regulator settings.

(B) Check for excessive resistance in charging circuit.

NO. 6—COMPRESSION—MANIFOLDS

(A) Have engine at normal operating temperature.

(B) Inspect and tighten exhaust and intake manifolds and connections.

(C) Check manifold heat control valve for free operation.

(D) Take compression reading of each cylinder to determine uniformity.

1	2	3	4	5	6	7	8

NO. 7—SPARK PLUGS

(A) See that spark plugs are of proper type for engine and operating conditions.

(B) Clean plugs thoroughly and check insulation for cracks or oxidation and electrodes for normal deterioration.

(C) Set gap at recommended clearance (use round feeler gauge). Install with new gaskets and tighten properly.

NO. 8—IGNITION COIL

(A) Test coil with accurate tester.

(B) Inspect all primary terminals and connections.

(C) Clean high tension terminal in coil and connection on cable.

NO. 9—HIGH TENSION CABLES

(A) Inspect cables for cracks in insulation, chafing or being oil soaked. If cables are in poor condition, they should be replaced.

NO. 10—DISTRIBUTOR

(A) Inspect distributor cap and rotor. Clean all terminals and rotor tip.

(B) Check centrifugal and vacuum advance mechanisms for freeness of operation.

(C) Check advance curves and correct if necessary.

(D) Check primary circuit resistance in distributor.

(E) Clean contact points and adjust opening.

(F) Test condenser and connections.

(G) Apply drop of oil to wick under rotor. Apply touch of high temperature, non-oil-bleeding grease to cam.

Lubricate by grease cup or oiler on housing where provided.

NO. 11—IGNITION TIMING

(A) Set timing with timing light or piston travel gauge according to specifications.

NO. 12—FUEL PUMP

(A) Check and tighten all connections. Inspect flexible lines.

(B) Clean gasoline strainer and bowl and replace gasket.

(C) Test fuel pump.

(D) Test vacuum section of combination fuel and vacuum pump, if so equipped.

NO. 13—AIR CLEANER

(A) Clean and service as necessary.

NO. 14—CARBURETOR

(A) Check float or fuel level.

(B) Check accelerating pump for seasonal setting and proper adjustment.

(C) Check linkage for wear.

(D) Check fast idle action.

(E) Check choke valve to see that it opens and closes to full travel—manual or automatic.

(F) Install air cleaner.

(G) Set idle mixture adjustment and engine speed.

NO. 15—COOLING SYSTEM

(A) Inspect condition of hose and check connections.

(B) Inspect for stoppage of circulation.

NO. 16—WINDSHIELD WIPER—LIGHTS—HORN

(A) Check operation of windshield wiper, lights and horn.