



Complete Tune-Up for MGA

DATE STARTED _____ MILEAGE _____

DATE COMPLETED _____ MILEAGE _____

Estimated Completion Time: 5 Hours

PRELIMINARIES

- _____ Test Drive - How quickly does the engine reach operating temperature? There must be at least a half tank of gasoline.
- _____ Crankcase ventilation system
- _____ PCV System - check for leaks between head & manifold, manifold & carbs, manifold fittings, and throttle shafts
- _____ Change oil and filter, if necessary.

ENGINE

- _____ Check compression: 1 _____ 2 _____ 3 _____ 4 _____
- _____ Clean (or replace) CHAMPION N-5 and gap plugs to: ___Use 0.035" as a standard gap.
- _____ Change Thermostat and gasket, if necessary. Thermostat Temperature: _____
- _____ Coolant specific gravity (freezing point): _____
- _____ Remove Valve Cover (change gasket if necessary).
- _____ Remove Torque head to 50 ft-lbs (oiled & hot)
- _____ Adjust valves to 0.015" or _____
- _____ Start engine and examine camshaft movement/noisy valves:
- _____ Recheck Compression: 1 _____ 2 _____ 3 _____ 4 _____
- _____ Replace Valve Cover (gasket compound valve cover to gasket / grease gasket to cylinder head)
- _____ Tighten fan belt.

IGNITION SYSTEM

- _____ Remove and clean cap and wires, test wire resistances:
Coil _____ 1 _____ 2 _____ 3 _____ 4 _____
- _____ Remove distributor and disassemble. Inspect and clean each part.
- _____ Fit new points, condenser, LT lead.
- _____ Remove Coil to wash, inspect, and test
- _____ Refit distributor coated with grease, refit cap and wires

CARBURETOR

- _____ Remove suction chambers and float bowl lids. Clean inside and outside.
- _____ Clean bodies & linkages.
- _____ Match pistons to suction chambers; ensure either damper or suction chamber is vented.
- _____ Check fuel delivery. Change filter if necessary.
- _____ Disassemble air cleaners, clean, and immerse (wire style) in oil

TUNE

- _____ Check dwell to expect 60°
- _____ Adjust timing to 32° full mechanical advance, vacuum disconnected (about 3-4,000 rpm) or 8° STATIC
- _____ Allow to rise to operating temperature. Disconnect interconnecting linkages.
- _____ Set air flow and mixture.
- _____ Engine off, adjust choke linkages so that the jets drop simultaneously.
- _____ Restart and set fast idle to 1600 maximum.
- _____ Replace air cleaners. Use 5/16" start washers and new bolts!
- _____ Test Drive