

# THE COMPLETE MGA TUNE - UP

NAME \_\_\_\_\_ YEAR \_\_\_\_\_ MODEL \_\_\_\_\_  
MILEAGE \_\_\_\_\_ DATE \_\_\_\_\_ INITIAL \_\_\_\_\_

## PRELIMINARIES

- \_\_\_\_\_ Test Drive - How quickly does the engine reach operating temperature? There must be half tank of petrol.
- \_\_\_\_\_ 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 STD gap
- \_\_\_\_\_ Change Thermostat and gasket, if necessary. Thermostat Temp: \_\_\_\_\_ Coolant Temp: \_\_\_\_\_
- \_\_\_\_\_ Remove Valve Cover (Change gasket if necessary) and torque head to 50 ft-lbs (oiled and hot)
- \_\_\_\_\_ Adjust valves to 0.015" or \_\_\_\_\_
- \_\_\_\_\_ Start engine and examine camshaft movement / noisy valves:
- \_\_\_\_\_ Recheck Compression: 1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_ 4 \_\_\_\_\_
- \_\_\_\_\_ Replace Valve Cover
- \_\_\_\_\_ Tighten fan belt.

## IGNITION SYSTEM

- \_\_\_\_\_ Remove and clean cap and wires, test wire resistances: C \_\_\_\_\_ 1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_ 4 \_\_\_\_\_
- \_\_\_\_\_ Remove distributor, disassemble, inspecting and cleaning each part, fit new points, condenser, LT lead.
- \_\_\_\_\_ Remove Coil to wash, inspect, and test
- \_\_\_\_\_ Refit distributor coated with grease, refit cap and wires

## CARBURETTERS

- \_\_\_\_\_ Remove suction chambers, float bowl lids, clean within and without. Clean bodies and linkages.
- \_\_\_\_\_ Check fuel delivery - change filter if necessary.
- \_\_\_\_\_ Disassemble air cleaners, cleanse, 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)
- \_\_\_\_\_ 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