

# THE COMPLETE TC / TD / TF 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 L-86 or N-5 and gap plugs to 0.035" unless fitted with original coil (0.025")  
inspect cylinder head to ensure reach:  $\frac{1}{2}" = L$   $\frac{3}{4}" = N$
- \_\_\_\_\_ Change Thermostat and gasket, if necessary. Thermostat Temp: \_\_\_\_\_ Coolant Temp: \_\_\_\_\_
- \_\_\_\_\_ Remove Valve Cover (Change gasket if necessary) and torque head to 45 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 (silicone gasket to head)
- \_\_\_\_\_ 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.
- \_\_\_\_\_ Set point gap to: Symmetric 0.010-0.012" Asymmetric 0.010-0.012" High Lift 0.014-0.016"
- \_\_\_\_\_ 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 cleaner, cleanse, and immerse (wire style) in oil

## TUNE

- \_\_\_\_\_ Check dwell: Symmetric 41 - 49° (45°) Asymmetric 45 - 53° (49°) High Lift 57 - 63° (60°)
- \_\_\_\_\_ Adjust timing to 32° maximum mechanical advance or ZERO 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 cleaner oil mesh or fill oil bath
- \_\_\_\_\_ Test Drive