

Annual Tour Preparation (See Diablo A's Video)

<https://vimeo.com/ondemand/annualtourmaintenance>

Keeping Your Model A on the Road

1. Simple Inspections
 - a. Radiator Hose – cracks, clamps
 - b. Fan Belt – adjust tension if needed
 - c. Fan – cracks
 - d. Engine Compartment – grease, oil, rusty water, other signs of mechanical problems
 - e. Fuel Sediment Bowl – clean if needed
 - f. Fuel System Leaks – carburetor drips, fuel line fittings
 - g. Windshield Wiper – replace if rubber worn, test for proper operation
 - h. Check Headlights – high and low beams operate properly, check bolt tightness on light bar
 - i. Check Tail Lights/Stop Lights – operate properly, check mounting screws for tightness
 - j. Tire Pressure – 32 PSI in all tires including spares
 - k. Examine Tires for cracks, wear, damage
 - l. Check Safety Fuse for corrosion – clean if needed
 - m. Check Wiring Harness for frayed or pinched wires
 - n. Check Turn Signals if equipped
 - o. Check Horn Operation – clean commutator if needed, oil bearings, adjust
 - p. Change Engine Oil
 - q. Transmission Oil – add if needed
 - r. Differential Oil – add if needed
2. Battery Inspection – remove floor boards
 - a. Check for terminal corrosion – clean as needed
 - b. Check ground connection – tighten as needed
 - c. Check battery box tie down – tighten as needed
 - d. Check battery electrolyte level – add distilled water as needed
3. Distributor/Spark Plugs/Compression
 - a. Set Point Gap - .018” to .022”
 - b. Oil Distributor Shaft Filler
 - c. Check Points for Wear/Pitting – replace if needed
 - d. Grease Cam Shaft
 - e. Clean/Re-Gap Spark Plugs - .035”
 - f. Clean Distributor Body, Rotor, Cap – check for cracks
 - g. Check Coil Polarity/Output
 - h. Re-set Engine Timing – as needed
 - i. Test Cylinder Compression – 65 lbs or more each
4. Check Bolt Tightness
 - a. Carburetor bolts

- b. Exhaust/Manifold Clamp
 - c. Exhaust Pipe Clamp
5. Torque Wrench Checks
- a. Tighten Tire Lug Nuts – 55 lbs torque
 - b. Tighten Rear Axle Nuts – 100 lbs torque minimum
 - c. Tighten Manifold Bolts – 45 lbs torque
6. Steering and Alignment
- a. Check Toe-In – adjust as needed
 - b. Inspect Front Wheel Bearings – looseness, spin
 - c. Inspect King Pins
7. Brakes
- a. Inspect Cotter Pins
 - b. Inspect Service Brake/Emergency Cross Shaft
 - c. Inspect All Linkages, Rods and Return Springs
 - d. Check Brakes for Shoe and Drum Wear
 - e. Adjust Brakes as needed
8. Lubrication
- a. While floor boards are removed:
 - i. Lube Service Brake Cross Shaft
 - ii. Lube Emergency Brake Cross Shaft
 - iii. Lube Brake/Clutch Pedal Bushing
 - iv. Lube Throw Out Bearing
 - b. Water Pump
 - c. Steering Box – check oil level
 - d. Overdrive Fluid Level – add if needed
 - e. Accelerator Control Linkage
 - f. Door Strike Plates/Dovetails
 - g. Front End Assembly
 - i. Front Spindles – upper/lower
 - ii. Steering Tie-Rod/Drag Link
 - iii. Front Brake Camshafts
 - iv. Front Spring Shackles – check tightness
 - v. Front Shock Links
 - vi. Front Wheel Bearings
 - h. Rear End Assembly
 - i. Rear Spring Shackles – check tightness
 - ii. Rear Shock Links
 - iii. Rear Brake Camshafts
 - iv. Rear Brake Wheel Bearings
 - i. U-Joint on Drive Shaft