



MG Complete Lubrication Checklist

by John H Twist

Date Started _____ Mileage _____
 Date Completed _____ Mileage _____

PRELIMINARY

___ Inflate tires to 30# front / 32# rear

TEST DRIVE

___ Record Oil Pressure: _____ @ Idle _____ @ 50 mph
 ___ Listen for clunks / rattles / squeaks / buzzes / ticks / clunks / clacks

COOLING SYSTEM

- ___ Test for water pump wobble
- ___ Pressurize system to 15 psi
- ___ Drain Coolant (open draincocks or remove hoses)
- ___ Remove thermostat
- ___ Disconnect heater
- ___ Disconnect heater control valve
- ___ Flush radiator / block / heater matrix / heater control valve
- ___ Boil thermostat to ensure opening at 190°F (88°C)
- ___ Refit or replace thermostat (GREASE on new gasket)
- ___ Refit heater control valve gasket (GREASE on new gasket)
- ___ Replace hoses and tighten all hose clamps
- ___ Refill with fresh anti-freeze
- ___ Test anti-freeze for freezing point _____°F
- ___ Pressurize to 15 psi

POWERWASH engine bay

RIDE HEIGHT & SHOCKS

- ___ Bounce corners to test shocks. Record below
- ___ RIDE HEIGHT Measure from ground to chrome strip.. Record below

****** Move MG on to Lift or Jack Stands ******

KINGPINS

- ___ Inspect vertical movement in kingpins
- ___ Inspect wear at bottom kingpin bushing

TIRES AND WHEELS

Inspect each tire and record findings in the chart

- ___ Tire Size and Manufacture Date
- ___ Measure tread depth
- ___ Ting spokes and look for faults
- ___ Estimate WW tightness (assistant). Record below
- ___ Spin tires for trueness. Record below
- ___ Remove wheels / Measure spline diameter Record below

Tire Location	Tire Size	Manf Date	Tread Depth	Faulty Spokes	Rotational Freeplay	Spline Diameter	Ride Height
Right Front							
Left Front							
Right Rear							
Left Rear							

REAR SUSPENSION

- ___ INSPECT spring condition
- ___ INSPECT rear dampers
- ___ INSPECT shock links
- ___ TIGHTEN anti-sway bar (5/8" & 11/16")

OILS

- ___ DRAIN Engine / Gearbox / Differential
- ___ TIGHTEN filter head (68-80 MGB)
- ___ Loosen / Retighten main battery connections at starter solenoid

FRONT WHEEL BEARINGS

- ___ Remove front brake pads
- ___ Remove split pin, tighten front hub nut, determine end float
- ___ Remove outer wheel bearing, grease, adjust hub end float.
- ___ Lay pads back in place
- ___ Inspect front brake hoses

REAR BRAKES

- ___ Back off adjusters
- ___ Disconnect handbrake from LH backing plate
- ___ Remove drums
- ___ Inspect for oil / brake fluid leaks

- ___ Inspect for frozen cylinders
- ___ Inspect spring positions
- ___ Ensure handbrake levers are free
- ___ Inspect steel brake lines on differential
- ___ Inspect flexible brake hose
- ___ Inspect front diff seal for leakage
- ___ Sand brake shoes
- ___ Sand brake drums
- ___ Refit brake drums
- ___ Grease and adjust rear brake adjusters (1/4" square)

****** Get an Assistant ******

LAMPS & LIGHTS

Have your assistant activate each light and signal, make notes in chart

LEFT FRONT			INTERIOR	RIGHT FRONT		
Side	Park	Left Turn	Left Turn Right Turn	Right Turn	Park	Side
		Hazard Flash	Hazard Indicator	Hazard Flash		
High Beam		Low Beam	High Beam	High Beam	Low Beam	
			Ignition Light Dash Rheostat			
LEFT REAR			INTERIOR	RIGHT REAR		
Side	Park	Left Turn	Left Turn Right Turn	Right Turn	Park	Side
Reverse		Hazard Flash	Hazard Switch	Hazard Flash	Reverse	
Brake		License Plate	Boot/Trunk Light	License Plate	Brake	

FRONT BRAKES

- ___ Exercise front brake calipers (3X each piston)
- ___ Spray down / blow off brake calipers and rotors
- ___ Sand front brake pads
- ___ Fit duct tape to rear side of pads
- ___ Reinstall pads
- ___ BLEED BRAKES – rears then front

HANDBRAKE

- ___ Exercise handbrake cable & reconnect LH cable to lever
- ___ Adjust handbrake handle to 30°→45°

RACK & PINION

- ___ Inspect gaiters
- ___ Remove shim pack and lubricate rack
- ___ Refit shim pack removing thinnest shim
- ___ Inspect steering U Joint

****** Release the Assistant ******

PROPELLER SHAFT / DRIVE SHAFT

- ___ Inspect U joint orientation – fixed axis parallel
- ___ Inspect front and rear U Joint
- ___ Inspect slip joint for wear
- ___ Lubricate U joints and slip joint
- ___ Tighten flange bolts
- ___ Inspect gearbox mounts

FUEL SYSTEM

- ___ Inspect fuel tank and sending unit
- ___ Inspect fuel pump
- ___ Inspect fuel lines (tank to pump, pump to steel line)

EXHAUST SYSTEM

- ___ Inspect straps and mounts
- ___ Inspect for holes / rust / damage
- ___ Inspect engine earth strap

AIRVENT BULB

- ___ Blow out detritus

OILS

- ___ Refill Differential (GL4 80/90)
- ___ Refill Gearbox (20W/50)

FRONT SUSPENSION

- ___ Inspect kingpins
- ___ Inspect distance tube movement / wear on bolt
- ___ Inspect A Arms and bushings
- ___ Inspect outer tie rod ends and boots
- ___ Inspect inner tie rod ends for movement
- ___ Tighten front shocks (deep 9/16" socket)
- ___ Lubricate kingpins
- ___ Top off front shocks
- ___ Inspect steel and flex brake lines

****** Put MG back on the ground ******

BONNET RELEASE

- ___ Lube and exercise bonnet cable
- ___ Lubricate bonnet funnel
- ___ Lubricate bonnet support
- ___ Lubricate bonnet hinges

HEATER VENT CONTROLS

- ___ Lubricate and exercise heater cable
- ___ Lubricate and exercise air control cable
- ___ Oil heater valve

UNDERBONNET

- ___ Top off master cylinders
- ___ Top off carburettor dashpots
- ___ Top off washer solvent
- ___ Tighten throttle pedal pivot bolt
- ___ Inspect and adjust fan belts
- ___ Inspect motor mounts / brackets / earth strap
- ___ Replace oil filter
- ___ Refill engine with 20W/50 high zinc oil
- ___ Spin engine to achieve oil pressure / check for leaks

FUSEBOX

- ___ Remove and clean fusebox
- ___ Disconnect or fuse OD / TCSA circuit

CARBURETTER(S)

- ___ Inspect / replace air filters
- ___ Inspect / replace fuel filter
- ___ Inspect PCV / ELC lines
- ___ Tighten Stromberg autochoke

WIPERS

- ___ Inspect operation
- ___ Inspect / Replace wiper blades
- ___ Adjust wiper park position
- ___ Clear / Adjust windscreen washer

INTERIOR

- ___ Lubricate seat rails / Exercise seats
- ___ Oil door hinges
- ___ Oil and Tighten door latches and strikers
- ___ Tighten visors

- ___ Remove and Tighten rear view mirror
- ___ Align / Tighten gearlever knob
- ___ Oil / Adjust glovebox lock
- ___ Lubricate key switch (graphite)
- ___ Fire extinguisher?

PEDALS

- ___ Inspect / Adjust pedal freeplay
- ___ Inspect pedal sideplay

BATTERY

- ___ Remove battery / wash down with soda
- ___ Clean battery posts
- ___ Clean / Replace battery clamps
- ___ Loosen / Retighten earth strap at body
- ___ Refit battery and tie down
- ___ Top off rear shocks

SEAT BELTS

- ___ Ensure smooth operation
- ___ Tighten loose seat belt fasteners

BOOT

- ___ Inspect / Lubricate jack
- ___ Tighten / Lubricate boot slide
- ___ Ensure tools are in bag (spanner / hammer)
- ___ Tighten boot latch to body and 2BA nut to latch mechanism
- ___ Inspect for and condition of tonneau / half-tonneau / tonneau bars
- ___ Inflate spare tire
- ___ Inspect / Replace ELC lines from tank and condensing canister

SOFT TOP

- ___ Inspect snaps / Lift-the-Dot studs / latches
- ___ Inspect condition of windows and for tears / Ensure rear flap is glued
- ___ Tighten six top bow screws

EXTERIOR

- ___ Inspect / Tighten antenna
- ___ Inspect door handles
- ___ Rattle bumpers / overriders
- ___ Rattle grille
- ___ Tighten mirrors / pack for rattles