



MG Complete Lubrication Checklist by John Twist

OWNER NAME _____ YEAR _____ MODEL _____

VIN _____ MILES _____ DATE _____ INITIAL _____

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

ROAD WHEELS

- ___ Manufacture date. Record below
- ___ Measure tread. Record below:
- ___ Ting spokes
- ___ Estimate WW tightness (assistant). Record below
- ___ Spin tires for trueness. Record below
- ___ Remove wheels / Measure spline diameter Record below

Corner	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 connexions 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 ******

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

LAMPS & LIGHTS

LEFT FRONT				INTERIOR	RIGHT FRONT			
Side	Park	Turn	Horn	Ignition Light	Horn	Turn	Park	Side
High Beam		Low Beam		Dash Rheostat	High Beam		Low Beam	
LEFT REAR				Bright Flash	RIGHT REAR			
				Hazards				
Side	Park	Turn	Reverse	Interior	Reverse	Turn	Park	Side
Brake		License Plate		(Left) Cancel (Right)	License Plate		Brake	
				Boot				

****** 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 Car Back Down on Terra Firma ******

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