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RR/C2

SB/GF.2/SF.

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Subject :

PERIODIC LUBRICATION AND ADJUSTMENT SCHEDULES 'A' & 'B' Date of Issue

29th Sept. 1947.

FOR MAINTENANCE DATA REFER TO SERVICE INSTRUCTION LEAFLET RR/C1
FOR RECOMMENDED LUBRICANTS REFER TO SERVICE INSTRUCTION LEAFLET RR/D2.

GENERAL:

For the purpose of assisting Retailers with the maintenance of Rolls-Royce cars in their areas, a system of periodic lubrication and adjustment on a fixed mileage basis has been evolved.

It is recommended that this be instituted as a normal maintenance routine, and that appropriate arrangements be made w. . any owners who may wish to take advantage of this service.

It is confidently believed that owners will readily subscribe to this system of maintenance, and it is suggested that Retailers make arrangements to provide the necessary information, pointing out the advantages to be gained, such as regularity of maintenance, min. The amount of time that the car will be required, question of having a fixed rate of charge, and the knowledge that the performance and condition of the car will be kept up to the maximum standard of efficiency.

It will be noticed that this system is a consolidation, on a bulk mileage basis, of the various routines shown in a handbook, and as such, does not in any way supersede the instructions as laid down in the respective handbook, to owners who may wish to carry out their own maintenance inspections.

This system consists of two Schedules A and B, and operates in the following manner:-

SCHEDULE 'A'. At the conclusion of every 5,000 miles and covers all those items associated with the engine and chassis requiring lubrication and adjustment.

SCHEDULE 'B'. At the conclusion of every 10,000 miles, in addition to the repetition of the whole of Schedule 'A', covers the complete change of lubricant of remaining main components, together with the inspection and rectification of those items not included at the lower mileage.

ALL COMMUNICATIONS SHOULD BE ADDRESSED TO



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Subject:

SCHEDULE 'A' EVERY 5,000 MILES

AND SCHEDULE 'B' EVERY 10,000 MILES Date of Issue

22nd April, 1953.

SCHEDULE 'A'.

LUBRICATE:

- 1. All bonnet fasteners and locks.
- 2. Water pump bearings.
- 3. Battery ignition governor and cams.
- 4. Dynamo bearings.
- 5. All engine and steering column controls and linkage joints, including radiator shutters.
- 6. Accelerator pedal.
- 7. Clutch pedal connections.
- 8. All brake system joints including servo mechanism.
- 9. Both universal joints.

CHECK OIL LEVELS AND REPLENISH IF NECESSARY:

- 1. Chassis oil tank.
- 2. Pump for jacking system.
- 3. Steering box.
- Front spring suspension casings.
 Gearbox.
- 6. Rear axle.
- 7. Rear shock dampers and manual control pump.

ENGINE:

Drain crankcase, remove and clean pressure oil filters. Refill with fresh oil.

- 1. Adjust fan belt if necessary.
- 2. Check, and if necessary, reset tappet clearances.
- 3. Clean valve rocker oil filter.
- 4. Clean and reset spark plug gaps.
- 5. Clean and reset contact breaker points of both ignition systems.
- 6. Clean carburetter air cleaner.
- 7. Check working of fuel pumps.
- 8. Clean all petrol filters.
- 9. Check, and if necessary, adjust clutch pedal free movement.
- 10. Check, steering and shock damper ball joints.
- 11. Check, and if necessary, adjust all external brake adjustments.
- 12. Check for excessive oil leakage from any point in chassis lubrication system.
- 13. Check, and if necessary, adjust all tyre pressures.

- Check battery acid level, and if necessary, top up with distilled water.
- 2. Clean all battery terminals.
- 3. Remove brush dust from dynamo.
- 4. Check and reset both ignition timings as necessary.
 - . Check electrical equipment.

SCHEDULE 'B'

- 1. Carry out the whole of Schedule 'A'.
- Drain gearbox and refill with fresh oil.
 Drain rear axle and refill with fresh oil.
- 4. Remove road wheels, grease hub splines and refit wheels.
- 5. Change water in engine unless filled with anti-freeze.
- Clean element of main suction oil filter and change element if necessary.



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SCHEDULE 'A' EVERY 5.000 MILES SCHEDULE 'B' EVERY 10,000 MILES. Date of Issue

30th May, 1953.

SCHEDULE 'A'.

LUBRICATE:

- All bonnet fasteners and locks.
 Water pump bearings.
 Starter motor end dynamo bearings.
- 4. Battery ignition distributor and governor unit.
 5. All engine and steering column controls and link ge joints, including radiator shutters.
- 6. Accelerator pedal and countershaft.
- 7. Clutch pedal mechanism.
- 8. All brake system joints including servo mechanism.
- 9. Propellor shaft sliding joint.

CHECK OIL LEVEL AND REPLENISH IF NECESSARY:

- 1. Chassis oil tank.
- 2. Pump for jacking system.
- 3. Steering box.
- 4. Gearbox.
 5. Rear axle.

 - 6. Shock dampers and manual control pump.

- 1. Check water level and top up if required.
- Adjust fan belt if necessary.
 Check, and if necessary, reset tappet clearances.
- 4. Clean and reset spark plug gaps.
- 5. Clem and reset battery ignition contact breaker points.
- 6. Clean carburetter float chamber.
- 7. Clean carburetter air filter element.
- 8. Check fuel pumps.
- 9. Clean all petrol filters.
- 10. Check, and if necessary, adjust clutch pedal free movement.
- 11. Check, and if necessary, adjust all external brake ad fustments.
- 12. Check steering and shock damper ball joints.
- 13. Check for excessive oil leakage from any point in chassis lubrication system.
- 14. Check, and if necessary, adjust all tyre pressures.

- Check battery acid level, and if necessary, top up with distilled water,
- 2. Clean all battery terminals.
- 3. Remove brush dust from dynamo and starter motor.
- 4. Check and reset ignition timing as necessary.
- Check electrical equipment.

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SCHEDULE 'B'

- Drain crankcase, remove and clean oil filter, fit new by-pass oil filter, and refill with fresh oil.
 - Carry out the whole of Schedule 'A'.
- 3. Drain gearbox and refill with fresh oil.
- 4. Drain rear axle and refill with fresh oil.
- 5. Clean cut-out points.
- 6. Remove road wheels, grease hub splines and refit wheels.
 - 7. Change water in engine unless filled with anti-freeze mixture.



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SCHEDULE 'A' EVERY 5,000 MILES

Check, and if necessary, adjust tyre pressures,

AND SCHEDULE 'B' EVERY 10,000 MILES.

Date 22nd April, 1953. of

Issue

SCHEDULE 'A'. Check level of battery

and, and if necessary, top a LUBRICATE:

- Bonnet fasteners and locks.
 Fan pulley.
- 3. Water pump bearings.
- Engine support bracket (front).
 Dynamo bearings.
- 6. Battery ignition distributor and magneto bearings.
- 7. All engine and steering column controls, linkage joints and radiator shutters.
- 8. Accelerator pedal.
- 9. Check mechanism including toggle levers.
- 10. All brake system joints including servo mechanism.
- 11. Both universal joints, including sliding joint of propeller shaft.

CHECK OIL LEVEL AND REPLENISH IF NECESSARY:

- 1. Chassis oil tank.
- Steering box. 2. Gearbox.
- 3. Rear axle.
- .Ito das in Shock dampers and manual control pump (where applicable).

Change water in engine, unless filled: SMIRE at Tree ne.

- 1. Drain crankcase, remove and clean oil filter and refill with fresh oil.
- Remove and clean oil filter of oil relay system.

- 1. Adjust, fan belt if necessary.
- 2. Check, and if necessary, reset tappet clearances.
- 3. Clean and reset spark plug gaps.
- 4. Clean and reset contact breaker points of both ignition systems.
- 5. Clean carburetter, starting carburetter if fitted, float, and suction chambers.
- 6. Clean all petrol filters.
- 7. Check, and if necessary, adjust steering column thrust race.

P.II.

JS-1 Onwards.

8. Check, and if necessary, adjust clutch pedal free movement.

Check, and if necessary, adjust all external adjustments of brakes.

10. Check steering and shock damper ball joints.

 Check for excessive oil leakage at any point in chassis lubrication system.

12. Check, and if necessary, adjust tyre pressures.

ELECTRICAL SYSTEM:

- Check level of battery acid, and if necessary, top up with distilled water.
- 2. Clean all battery terminals.
- 3. Remove brush dust from dynamo.
- 4. Check and reset ignition timings if necessary.
- 5. Check electrical equipment.

SCHEDULE 'B'

- 1. Carry out the whole of Schedule 'A'.
- 2. Drain gearbox and refill with fresh oil.
- 3. Drain rear axle and refill with fresh oil.
- 4. Clean cut-out points.
- 5. Remove road wheels, grease hub splines and refit wheels.
- 6. Change water in engine, unless filled with anti-freeze.



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Subject:

SCHEDULE 'A' EVERY 5,000 MILES

AND

SCHEDULE 'B' EVERY 10,000 MILES

Date of 29th Sept. 1947.

Issue

SCHEDULE 'A'.

LUBRICATE:

- 1. Bonnet fasteners and locks.
- 2. Fan pulley.
- 3. Water pump bearings.
- 4. Engine support bracket (front).
- 5. Steering column.
- 6. Dynamo bearings.
- 7. Battery ignition distributor and magneto bearings.
- 8. All engine and steering column controls, linkage joints and radiator shutters.
- 9. Accelerator pedal.
- 10. Check mechanism including toggle levers.
- 11. All brake system joints including servo mechanism.
- Both universal joints, including sliding joint of propeller shaft.
- 13. Road wheel and hub splines.

CHECK OIL LEVEL AND REPLENISH IF NECESSARY:

- 1. Chassis oil tank.
- 2. Steering box.
- 3. Gearbox.
- 4. Rear axle.
- 5. Shock dampers and manual control pump (where applicable).

ENGINE:

- Drain crankcase, remove and clean oil filter and refill with fresh oil.
- 2. Remove and clean oil filter of oil relay system.
- 3. Remove and clean auto-Klean oil filter.

- Do not drain if coolant consists of anti-freeze. If, however, plain water is being used, drain radiator and water system, flush, and refill with clean water.
- 2. Adjust fan belt if necessary.
- 3. Check, and if necessary, reset tappet clearances.
- 4. Clean and reset spark plug gaps.
- Clean and reset contact breaker points of both ignition systems.
- 6. Clean out auto-vac.
- 7. Clean carburetter air valve, float and suction chambers.
- 8. Clean all petrol filters, including main tank filter.
- 9. Check, and if necessary, adjust steering column thrust race.

Continued:

- 10. Check, and if necessary, adjust clutch pedal free movement.
- Check, and if necessary, adjust all external adjustments of brakes.
- Check, and if necessary, adjust steering and shock damper 12. ball joints.
- Check for excessive oil leakage at any point in chassis lubrication system.
- 14. Check, and if necessary, adjust tyre pressures.

ELECTRICAL SYSTEM:

- 1. Check level of battery acid, and if necessary, top up with distilled water.
- Clean all battery terminals.
 Remove brush dust from dynamo and starter motor.
 Clean cut-out points.
 Check electrical equipment.

SCHEDULE 'B'

- 1. Carry out the whole of Schedule 'A'.
- 2. Drain gearbox and refill with fresh oil.
- 3. Drain rear axle and refill with fresh oil.
- 4. Renew felt pad in dashboard oil pump.



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Subject: SCHEDULE 'A' EVERY 5.000 MILES AND

SCHEDULE 'B' EVERY 10,000 MILES.

Date of Issue

22nd April, 1953.

Trend met Sa Lauretze faut Ba yea SCHEDULE 'A'.

LUBRICATE:

- 1. Bonnet fasteners and locks.
- 2. Fan pulley.
- 3. Water pump bearing.
- 4. Engine support bracket (front) and radiator suspension.
- Steering column thrust race.
 Dynamo bearings and starter motor reduction gear.
- 7. Ignition governor unit and magneto bearings. 8. All engine and steering column control and linkage joints, including radiator shutters.
- 9. Front axle pivots.
- 10. Steering ball joints.
- 11. All spring shackles, trunnions and rollers.
- 12. All spring gaiters.
- 13. All shock absorber connections.
- 14. Foot pedal mechanism, including accelerator pedal.
 15. Gear change mechanism,
 16. Clutch mechanism, including withdrawal shaft and
- coupling sleeve.
- 17. All joints of brake system, including servo mechanism. 18. Spherical universal joints and torque tube universal joint.

CHECK OIL LEVEL AND REPLENISH IF NECESSARY:

- 1. Steering box.
 - 2. Gearbox, and mo-jus meals
- 3. Rear axle.

ENGINE:

- 1. Drain crankcase, remove and clean oil filter, and refill with fresh oil.
- 2. Remove and clean gauze filter of oil relay system.

- 1. Adjust fan belt.
- 2. Check and reset tappet clearances.
- 3. Clean and reset spark plug gaps.
- 4. Clean and reset contact breaker points of battery and magneto ignition.
- 5. Clean carburetter, float chamber, suction chamber and starting carburetter.
- 6. Clean engine petrol filters.

- 7. Check, and if necessary, adjust steering column thrust race.
- Check, and if necessary, adjust clutch pedal free movement.
- 9. Check shock absorber ball joints.
- Check, and if necessary, adjust external adjustments of all brakes.
- 11. Check, and if necessary, adjust all tyre pressures.

- Check level of battery acid, and if necessary, top up with distilled water.
- 2. Clean all battery terminals.
 - 3. Remove brush dust from dynamo.
 - 4. Check and reset both ignition timings if necessary.
 - 5. Check electrical equipment.

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Bear d'ande Leute telle le partie de la SCHEDULE 'B'.

mained beg prices published out website of EVERY 10,000 MILES.

- 1. Carry out the whole of Schedule 'A'.
- 2. Drain gearbox and refill with fresh oil.
- 3. Drain rear axle and refill with fresh oil.
- 4. Clean cut-out points.
- 5. Remove road wheels, grease hub splines and refit wheels.
- 6. Clean petrol filter in petrol tank.



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Subject :

SCHEDULE 'A' EVERY 5.000 MILES SCHEDULE 'B' EVERY 10,000 MILES. Date of Issue

30th May, 1953.

SCHEDULE 'A'.

LUBRICATE:

- All bonnet fasteners and locks.
 Water pump bearings.
 Starter motor end dynamo bearings.
- 4. Battery ignition distributor and governor unit.
 5. All engine and steering column controls and link ge joints, including radiator shutters.
- 6. Accelerator pedal and countershaft.
- 7. Clutch pedal mechanism.
- 8. All brake system joints including servo mechanism.
- 9. Propellor shaft sliding joint.

CHECK OIL LEVEL AND REPLENISH IF NECESSARY:

- 1. Chassis oil tank.
- 2. Pump for jacking system.
- 3. Steering box.
- 4. Gearbox.
 5. Rear axle.

 - 6. Shock dampers and manual control pump.

- 1. Check water level and top up if required.
- Adjust fan belt if necessary.
 Check, and if necessary, reset tappet clearances.
- 4. Clean and reset spark plug gaps.
- 5. Clem and reset battery ignition contact breaker points.
- 6. Clean carburetter float chamber.
- 7. Clean carburetter air filter element.
- 8. Check fuel pumps.
- 9. Clean all petrol filters.
- 10. Check, and if necessary, adjust clutch pedal free movement.
- 11. Check, and if necessary, adjust all external brake ad fustments.
- 12. Check steering and shock damper ball joints.
- 13. Check for excessive oil leakage from any point in chassis lubrication system.
- 14. Check, and if necessary, adjust all tyre pressures.

- Check battery acid level, and if necessary, top up with distilled water,
- 2. Clean all battery terminals.
- 3. Remove brush dust from dynamo and starter motor.
- 4. Check and reset ignition timing as necessary.
- Check electrical equipment.

Button's destribe Alacetbutter and governor ordi.

SCHEDULE 'B'

- Drain crankcase, remove and clean oil filter, fit new by-pass oil filter, and refill with fresh oil.
 - . Carry out the whole of Schedule 'A'.
- 3. Drain gearbox and refill with fresh oil.
- 4. Drain rear axle and refill with fresh oil.
- 5. Clean cut-out points.
- 6. Remove road wheels, grease hub splines and refit wheels.
 - 7. Change water in engine unless filled with anti-freeze mixture.



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Subject:

53.25

SCHEDULE 'A' EVERY 5,000 MILES.

AND SCHEDULE 'B' EVERY 10,000 MILES.

Date of

22nd April, 1953. Issue

SCHEDULE 'A'.

LUBRICATE:

- All bonnet fasteners and locks.
 Fan pulley.
 Water pump bearing.
- 4. Starter motor and dynamo bearings.
- 5. Battery ignition distributor and governor.
- 6. All engine and steering column controls and linkage. including radiator shutters.
 - 7. Accelerator pedal and counter shaft.
- 8. Clutch pedal mechanism.
- 9. All brake system joints including servo mechanism.
 10. Both universal joints including propellor shaft sliding joint.

CHECK OIL LEVEL AND REPLENISH IF NECESSARY:

- 1. Chassis oil tank.
- D 2. Steering box.
 5. Gearbox.

 - 4. Rear axle.
 5. Shock dampers and manual control pump.

ENGINE:

Drain crankcase, remove and clean oil filter and refill with fresh oil.

- Adjust fan belt if necessary.
 Check, and if necessary, reset tappet clearances.
 Clean and reset spark plug gaps.
- 4. Clean and reset battery ignition contact breaker points.
- 5. Clean carburetter float chamber.
- 6. Clean air filter element on carburetter.
- 7. Check fuel pump.
- 8. Clean petrol filters on engine and chassis rear cross member.
- 9. Check, and if necessary, adjust clutch pedal free movement.
- 10. | Check, and if necessary, adjust all external brake adjustments.

- 11. Check steering and shock damper ball joints.
- Check for excessive oil leakage from any point in chassis lubrication system.
- 3. Check, and if necessary, adjust all tyre pressures.

- Check battery acid level, and if necessary, top up with distilled water.
- 2. Clean all battery terminals.
- 3. Remove brush dust from dynamo and starter motor.
- 4. Check and reset ignition timing as necessary.
- 5. Check electrical equipment.

. enabled her aloughou musico universal and linkage.

SCHEDULE 'B'

- 4. Carry out the whole of Schedule 'A'.
- 2. Drain gearbox and refill with fresh oil.
- 3. Drain rear axle and refill with fresh oil.
- 4. Clean cut-out points.
- 5. Remove road wheels, grease hub splines and refit wheels.
- 6. Change water in engine, unless filled with anti-freeze.



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Subject:

SCHEDULE 'A' EVERY 5.000 MILES AND

SCHEDULE 'B' EVERY 10,000 MILES,

Date 22nd April, 1953. of Issue

SCHEDULE 'A'.

LUBRICATE: Amelger glavel blow and greeted shad

- 1. Bonnet fasteners and locks.
 - 2. Fan pulley.
 - 3. Water pump bearings and gland.

 - 4. Dynamo and starter motor bearings.

 5. Battery ignition distributor and governor unit.

 6. All engine and steering column control, linkage
 - joints, and radiator shutters.
 - 7. Engine front support bracket.
 - 8. Front axle pivots.
 - 9. All steering joints.
 - 10. All spring shackles (front and rear).
 - 11. Spring gaiters (front and rear).
 - 12. All brake system joints, including servo mechanism.
 - 13. Foot pedal mechanism, including accelerator.
 - 14. Clutch shaft and toggle levers.
 - 15. Both universal joints, including sliding joint on propellor shaft.
 - 16. Road shock damper connections.

CHECK OIL LEVEL AND REPLENISH IF NECESSARY.

- 1. Steering box.
- 2. Starter motor switch.
- 3. Gearbox.
- Rear axle.
- Shock dampers, front, (if hydraulic type are fitted).

ENGINE:

Drain crankcase, remove and clean oil filter, and refill with fresh oil.

ENGINE AND CHASSIS (ADJUSTMENTS):

- 1. Adjust fan belt if necessary.
- 2. Check tappet clearances, and reset if necessary.
- 3. Clean and reset sparking plugs.
- 4. Clean and reset contact breaker points of battery ignition.
- 5. Check and reset magneto contact breaker points.
- 6. Clean carburetter, starting carburetter, float chamber and suction chamber.

- Check, and if necessary, adjust steering column thrust race.
- Check, and if necessary, adjust clutch pedal free movement.
- 9. Check shock damper ball joints only.
- Check external adjustment of all brakes, adjust if necessary.
- Check all tyre pressures, adjust to correct pressures if necessary.

ELECTRICAL:

1. Check battery for acid level; replenish if necessary.

- 2. Clean all battery terminals.
- 3. Remove brush dust from dynamo and starter motor.
- 4. Check and reset ignition timing as necessary.
 5. Check standard electrical equipment.

SCHEDULE 'B'

- 1. Carry out the whole of Schedule 'A'.
- 2. Drain gearbox and refill with fresh lubricant.
- 3. Drain rear axle and refill with fresh lubricant.
- 4. Clean cut-out points.
- Remove road wheels, grease hub splines and refit road wheels.
 - 6. Clean petrol tank filter.



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SCHEDULE 'A' EVERY 5,000 MILES

AND SCHEDULE 'B' EVERY 10,000 MILES.

Date of Issue

22nd April, 1953.

SCHEDULE 'A'.

LUBRICATE:

- 1. Bonnet fasteners and locks.
- Fan pulley.

- water pump bearing.
 Legine support bracket (front).
 Starter motor and dynamo bearings.
 Dynamo drive coupling.
- 7. Battery ignition distributor and governor unit.
- 8. All engine and steering column controls and linkage joints, including radiator shutters.
- 9. Accelerator pedal.
- 10. Clutch shaft and toggle levers.
 - 11. All brake system joints including servo mechanism.
 - 12. Front axle system.
 - 13. Rear axle system.
 - 14.
 - Spring gaiters.
 Both universal joints, including sliding joint of 15. propellor shaft.

CHECK OIL LEVEL AND REFLENISH IF NECESSARY:

- 1. Chassis oil tank.
- 2. Steering box.
- 3. Starter motor switch. 4. Gearbox.
- 5. Rear axle.
- 6. Shock dampers.

ENGINE: deport of the Littley has

Drain crankcase, remove and clean oil filter and refill with fresh oil.

- 1. Check water and replenish as necessary.
- 2. Adjust fan belt if necessary.

- Check, and if necessary, reset tappet clearances.
 Clean and reset spark plug gaps.
 Clean and reset battery ignition contact breaker points.
- 6. Check magneto, and clean and reset contact breaker points.

- Clean carburetter, starting carburetter, float, and suction chambers.
- 8. Clean engine petrol filter.
 - . Check, and if necessary, adjust steering column thrust race.
- Check, and if necessary, adjust clutch pedal free movement.
- Check, and if necessary, adjust all external brake adjustments.
- 12. Check steering and shock damper ball joints.
- Check for excessive oil leakage at any point in chassis lubrication system.
- 14. Check, and if necessary, adjust all tyre pressures.

ELECTRICAL:

- Check battery acid level, and if necessary, top up with distilled water.
- 2. Clean all battery terminals.
- 3. Remove brush dust from dynamo and starter motor.
- 4. Check and reset ignition timing if necessary.
 - 5. Check the electrical equipment.

SCHEDULE 'B'

EVERY 10,000 MILES.

- 1. Carry out the whole of Schedule 'A'.
- 2. Drain gearbox and refill with fresh oil.
- 3. Drain rear axle and refill with fresh oil.

. Ytmansone 72 First and Inches

- 4. Clean cut-out points.
- 5. Change water in engine unless filled with anti-freeze,
- 6. Remove road wheels, grease hub splines and refit wheels.



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> and SCHEDULE 'B' EVERY 10.000 MILES.

Date of 22nd April, 1953. Issue

SCHEDULE 'A'.

LUBRICATE: State for comments month thank should swomen

- All bonnet fasteners and locks.
 Fan pulley.
 Water pump bearings.

- 4. Engine support bracket (front).
- 5. All engine and steering column controls and linkage joints, including radiator shutters.
- 6. Battery ignition distributor and governor unit.
- 7. Starter motor and dynamo bearings.
- 8. Accelerator pedal.
- 9. Clutch pedal mechanism.
- 10. Clutch shaft and toggle levers.
- All brake system joints, including servo mechanism.
 Both universal joints, including propellor shaft
- sliding joint.

CHECK OIL LEVEL AND REPLENISH IF NECESSARY.

- 1. Chassis oil tank.
- 2. Steering box.
 - 3. Starter motor switch. 4. Gearbox. Alar entre at reter erando .

 - 5. Rear axle.
 - 6. Shock dampers and manual control pump.

ENGINE:

Drain crankcase, remove and clean oil filter, refill with fresh oil.

- 1. Adjust fan belt if necessary.
- 2. Check, and if necessary, reset tappet clearances.
- 3. Clean and reset spark plug gaps.
- 4. Clean and reset battery ignition contact breaker points.
- 5. Check magneto.
- 6. Clean carburetter, starting carburetter, float, and
- suction chambers.
- Clean all petrol filters.
- 8. Check, and if necessary, adjust clutch pedal free movement.
 9. Check, and if necessary, adjust steering column thrust race.
 10. Check, and if necessary, adjust steering and shock damper
- ball joints.

- 11. Check all external brake adjustments.
- Check for excessive oil leakage from any point in chassis lubrication system,
- 13. Check, and if necessary, adjust all tyre pressures.

- Check battery acid level, and if necessary, top up with distilled water.
- Clean all battery terminals.
- 3. Remove brush dust from dynamo and starter motor.
- 4. Check and reset ignition timing if necessary.
- 5. Check electrical equipment.

SCHEDULE 'B'

EVERY 10,000 MILES.

- 1. Carry out the whole of Schedule 'A'.
- 2. Drain gearbox and refill with fresh oil.
- 3. Drain rear axle and refill with fresh oil.
- 4. Clean cut-out points,
- Remove road wheels, grease hub splines, and refit wheels.
- 6. Change water in engine unless filled with anti-freeze.



MAINTENANCE DATA



FOR ROLLS-ROYCE AND BENTLEY

ROLLS-ROYCE

BENTLEY

							13	0		- 11		1 0	_										DE	14 1	LE	1			
	PHANT	OM I	PH II	PH III	20 HP	20/25	25/30	WRAITH	SHOP	SII RT WHEEL P	LVER W	RAITH LONG W	HEEL BASE		SILVER	DAWN	15	PH IV	SILVER	94 LITRE	ENTLEY	LITRE		MARK VI	-	R TYPE	CONTIN-	'S' TYPE	CONT ENTA 'S' TY
CHASSIS SERIES	UP TO NC-131	EF-I DNWARDS	CHASSIS	CHASSIS	CHASSIS	ALL	ALL	ALL	WTA-I TO W	VME-I TO W	0F-1 TO	ALW-110	ELW-I	SBA-2 TO	SCA-I TO SDB-140	SFC-2 TO SHD-60	SKE-2 TO	ALL	SWA-2 ONWARDS	ALL	G TO L				B-2-MDTO			FROM B-2-AN	FROM BC+1+
DRE	41	41	41	34	3	34	34	34	34	34	31	31 or 31	32								SERIES	SERIES			B-301-PU			OHWARDS	ONWAS
ROKE	54	54	5	44	41	41	44	41	44		41	4)	32	31/2	34	31	31	34	32	31	31	35	3	34	31	31	3% or 3%	32	31
PACITY C.C.	7668	7668	7668	7340	3127	3669	4257	4257		41		4566 or	4007	44	44	44	44	41	44	41	44	41	41	44	44	41	43 4566 or	41	41
ING ORDER	1 4 2		7000	142635	312/		2 6 3 5	4251	4257		4566	4887	4887	4257	4257	4566	4566	5675	4887	3669	4257	4257	4257	4257	4566	4566	4887	4887	488
	C.I. HEAD		003	HYD. 015	2						4263			1222	1426			6258374			4263			142	635		1	4263	5
EARANCE	AL. HEAD		-003	SOLID OIG	-004	-004	-006	-008	-006	-006	-006	-006	-006	006	006	006	-006	-006	-006	-004	-004	-010	-006	006	006	006	-006	006	004
EXHAUST	AL HEAD	006	003	SOLID 010		-004	-006	-008	-012	-012	012	-012	-012	-012	-012	012	-012	012	-012	-006	-006	010	-012	-012	-012	-012	-012	-012	-01
STRIBUTOR GAP	-018	-018	018	030	-018	-018	-018	-018	020	-020	-020	-020	-020	020	-020	-020	-020	-020	-020	018	-018	-018	-020	-020	-020	020	-020	-020	-026
AGNETO GAP	014	-014	-014	-	-014	-014	-	-	=	-	-	-	+	-	-	=	=		-	-	-	-		-	-	-	-	-	-
ARKING PLUG GAP	025	025	-025	-025	-025	-025	-025	025	025	-025	-025	-025	-025	-025	-025	025	-025	-025	-025	-020	-020	020	025	-025	025	025	025	-025	025
ITION TIMING			М	ARKINGS	ON FLY	WHEE	L					MA	RKINGS	ON FL	YWHEEL								MARK	INGS O	N FLYW	HEEL			
CRANKSHAFT DAMPER POUNDAGE	12-14	12-14	12-14	20-22	4-6	12-14	12-14	11-12	1416	14-16	14-16	14-16	14-16	14-16	14-16	14-16	14-16	NON- ADJUSTABLE	14-16	11-12	11-12	11-12	14-16	14-16	14-16	14-16	14-16	14-16	14-
LD START RBURETTER SETTING	В	В	B 1	C	B 12	B 12	C	C	=	-	0	-	-	-	=	-	=	+	-	-	-	-	-	-	-	-	_	-	-
RVO ADJUSTMENT	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
VHEELBASE	149-7	149-7	150	142	129	132	132	136	127	127	127	133	133	120	120	120	120	145	123	126	126	126	120	120	170	120	170	100	101
SHORT	143-2	143-2	144		1000	7.50	11770	100	-	100	141		1.55	120	122	120	120	145	120	120	120	120	120	120	120	120	120	123	123
ACK	57 or	58-5	58-5 or 58-75	60-6	54 or 56	56 or 56-312	56-312	58-5	56.9	+1° F0	OR	57-9	57.9	56-7	56-7	56-7	56.7	58-4	58	56	56	56	56-7	56-7	56.7	56.7	56-7	58	58
REAR	56 or	57-6	58:5 or 60:25	62-6	54 or 56	56 or 56-312	56-312	59.5	59.8	7-50 x 16 T	YRES	64-0	64-0	58-6	58-6	58-6	58-6	63-2	60	56	56	57	58-6	58-6	58-6	58-6	58-6	60	60
STOR ANGLE	2"	2"	210	10	310	310	310	la.	₫° P	OSITIVE	TO fo	NEGATI	VE	1º POS	TIVE TO	1º NEG	SATIVE	YERTICAL TO I" NEG.	EI" NEG	410	41°	41°	4º POSI	TIVETO	I NEG	ATIVE		E I NEG	EION
AMBER	I.	I.	I.o.	F	21=	24°	210	F	VER	TICAL TO I	° POSIT	IVE (WITH	TWO PA	SSENGERS	IN THE F	RONT SEAT	TS)	VERTICAL TO 15° POS.	E	10	10	10	VERTICA	L TO I P	OSITIVE (W	THE FROM	ASSENGERS T SEATS)	E	E
VOT PIN INCLINATION	6	27	21	21=	410	4 <u>1</u> °	44°	30	3‡°	41°	410	410	440	340	4½°	440	440	310	G	10	10	10	340	440	44°	410	410	G	G
DE-IN	PARA	LLEL TO	O 15.		PARAL	LEL TO	18"		4 4.	(IN	ITIAL	SETTING	WITH	NEW R	UBBER I	SUSHES	4-4	£")	44.		- 15		te"-		AL SETTING RUBBER B		*)	1.	12
LONG R.H.	55"	55'	55' 10"	401	411	47' 5"	471 74		***	491.00				***		201.64				20.25									
URNING SHORT	53'	53	53' 10"	46	41'	4/ 5	47' 5'	40. 6	43' 5"	43' 5"	43' 5"	45' 5"	45' 5"	41' 2'	41' 2"	41' 2"	41' 2'	49' 1"	41' 8"	40' 11"	40' 11"	40: 11-	41' 2"	41' 2"	41' 2"	41' 2"	41' 2"	41' 8'	41' 8
NAMETER LONG	48	48"	50' 6"		445	1		140'51	100.00																				
SHORT	46'	46	48' 8"	48	40"	42'	42'	46 6	43. 5.	43' 5'	43' 5'	45' 5'	45' 5"	41' 2"	41' 2"	41' 2"	41' 2"	49' 1"	41' 8'	39' 7"	39. 7"	39' 7"	41. 2.	41' 2"	41' 2'	41' 2"	41. 2.	41' 8"	41" 8
TEERING J CROSS	10-12	10-12	10-12	3-3	41-6	61-81	74-9	0	-	_	_	-	-	-	_	_	_	_	_	7	7	7	_	_	-		_	_	_
DUNDAGES K SIDE	_	-	_	_	3	24-34	21-31	-	-	1-	-	-	-	-	_	_	_	-	_	44	44	44	_		-	-	-	_	_
DE STEERING TUBE DJUSTMENT REAR END	-	4	L	L	L	L	L	L	M	м	м	м	M	M	М	M	M	м	_	L	L	L	м	м	м	M	м	_	_
	a 33 x 5	33 x 5	7 x 21		a 32 x 44	1					6-50 x 17															- 5	.0.0		
rre sizes	b 33 x 61	b 33 × 6}	7 × 20	7 x 18	b 21 x 54	6 x 19	6 x 19	6-50 x 17	a 6.50 x 17 :	a 6.50 x 17	or 7-50 x 16	7.50 × 16	7-50 x 16	6-50 x 16	6-50 x 16	6-50 x 16	6-50 x 16	8 x 17	8-20 x 15	5-50 x 18	5-50 x 18	6-50 × 17	6-50 x 16	6-50 x 16	6.50 x 16	6-50 x 16	6.50 x 16	8-20 × 15	7-60 ×
	-	-	7 x 19		c 20 x 6	1			_	=	-	_	22	-	0	4	-	4	_	_	_	_	_						
	a 55	a 55			a 45			-			a 24																		
TYRE FRONT PRESSURES —	b 40	b 40	40	35	b 40 c 35	35	30	30	a 2	14	b 19	2)	25	23	23	24	28	19	30	30	23	25	23	23	24	30	19	30
COLD	a 60	a 60			a 45						a 35																		
LBS./SQ. INCH. REAR	b 35	b 35	35-40	35	b 35 c 30	35	30	30	a 3	35	b 28	3	2	30	30	30	33	36	26	30	30	26	30	30	30	33	35	26	3
There are three differer length of coil springs ficts is dismantled or adjusting springs should be measur	nt adjustmen id, therefore nent at rear	whenever a end is distr	side stee	ring tube			restore each ste end-nut	m of ball pa	orking clearan ds, and inner o	ice of 0-090°	between	end of face of						75° proceed a).			(111)	Gradually un possible with sall pads.	screw nut un out any slac	til load on b kness betwe	all pin is as li en it and adj	ght as jacent	

If a spring has a free length of 1-500" adjustment is as follows :-Screw in slotted end nut, until ball pads, spring and guide assemblies are choc-a-bloc. Slacken end-nut back 0-180° to If a spring has a free length of 1-225" adjustment is as above with the exception that end-nut is slackened back 0-100" from choc-a-bloc position to give a working clearance of 0-050".

- With ball pin and its associated parts in position in rear end of side steering tube screw in end-nut until ball pin can just be moved by hand.
- NOTE: If it is desirable to make steering more positive the load on ball pin may be increased with discretion. Secure end nut.

The crankshaft damper poundage is measured by means of a spring balance at 17½" from the axial centre line of the assembly with the radial driving springs removed.

The figures quoted for Pre-War cars are satisfactory under normal

The figures quoted for Pre-War cars are sixtifactory under normal conditions, but a variation of 1b, is permissible to suit individual englines. A lower setting can be beneficial in dealing with a low speed period on pick-up, while a higher poundage could damp out periods at engine speeds of 2,000 to 3,000 rp,m.

For Fost-War cars, with the exception of the Phantom IV, the minimum acceptable figure is 14 lbs, and the sim should be to obtain a setting between 14-16 lbs. A flow setting will invasible obtain a setting between 14-16 lbs. A flow setting will invasible periods at approximately 2,500 rp,pr., and 3,300 rp.

The Phantom IV engine is fitted with an external rubber-tuned harmonic balancer.

- Number of turns of starting carburetter adjusting screw from fully closed position. Up to and including Phantom I chassis No. 101-AL, the adjusting screw should be turned twice and from Phantom I chassis No. 1-CL and onwards the screw should be turned once.
- Release throttle stop screw until throttle is entirely closed, and nesses, understanding perew until throattle is entirely closed, and without moving the latter. Nesthakes constate with throattle lever without moving the latter. Nesthakes in the latter lever mounted on throattle spindle to give '000'—070' and lightly in accordance with individual engine requirements in order to obtain a satisfactory fast Idling speed for cold tratting.
- On Pre-War cars the clearance between friction linings and friction drum is set by means of the hexagon headed nut on serve shaft. This nut is locked by rounded servations formed on its face which engage similar serrations on an adject washer. To adjust serve, apply a bar to finge of friction drum and while pushing drum coward gearbox, simultaneously apply and release brake pedal a small of the server of

Camber. Vertical to \$\frac{1}{2}^0\$ positive. The camber is taken with car in laden condition, i.e., complete with all accessories, petrol (18 Imperial gallons) oil and water and with the lower triangle levers

The variation of camber and castor between the two sides of car

- Variable, depending on deflection of suspension due to load on car.
- Pivot pin inclination. 44" at zero camber and 4" at 4" positive camber.
- For left-hand drive Phantom II the turning circle diameter is:-R.H. lock 50' 6", L.H. lock 55' 10".
- On all Pre-War models except Plantom III and Writh, the cross steering tube poundage is checked with a spring balance on end of Test Bar, R-3199 (O'l leverage) after clipping Bar to center of tube. Ensure that friction load is equally distributed on the two ball joints. Phantom III. Check cross steering tube poundage on each bottomical properties of the properties of th
- Where a poundage is quoted for Pre-War models, check with a spring balance on end of Test Bar, R-3199 (10' leverage) after clipping has to tube. Adjust for poundage at front end of tube decarding and assembling the rear end (See Note: L). For Phantom if incessary fit shim(s) between spring and bull pad at rear end of tube. For Phantom if (See Note: L), adjustment for front end of tube is same as for rear end.
- PRANTOM III AND PRE-WAR BENTLEY. The forward spring assembly is adjusted to that spring is turnable by fingers without end play when castle not is fully secured. If necessing the particular is the property of the property of the property of the property of the product of the

WRAITH, Screw in slotted retaining nut until end of nut it flush with rear end of side steering tube and secure.

All measurements on this Chart are in inches except where otherwise stated