



# Service-Information

Dist.-Serv.-Techn.Office  
er/lü/wi/ha

Motorcycles, &2-cyl.models  
Group: Maintenance Services

Munich, 17-12-1964  
No. 1/64 (215) eng.

Re: New Maintenance Services and Maintenance Flat Rates.

Dear Sirs,

Below there are compiled, in a new arrangement, the maintenance services for the models R 50, R 50 S, R 60, R 69 S, R 26, R 27 and the time allowances for the free maintenance inspections I and II as well as those for the minor and major maintenance.

Pre-delivery Inspection (before the motorcycle is handed over to the customer).

1. Check the oil level in engine, transmission, rear wheel drive and on the two-cylinder motorcycles also that of the right rear swinging arm.
2. Check function of headlamp in both the high and low beam position, stop-tail-license plate light, charge indicator light, horn and - if installed - that of the flashing directional lights.
3. Check bolts and nuts for tightness, particularly axle spindle nuts and the pertaining clamp screws, suspension unit retaining screws, front and rear, attachment of transmission to engine, cylinder flange nuts etc. Caution! Tighten axle spindle nuts without applying tommy bar.
4. Carry out final overall check, together with test drive to check clutch, gear shifting, foot and hand brake, idling speed adjustment of the engine, control levers. Check the exterior condition.

Free Maintenance Inspection I (at 300 miles)

1. Change engine oil. Clean magnetic oil drain plug on models R 50 S and R 69 S.
2. With engine cold, check cylinder head retaining bolts for the specified torque (25.3 ft.lbs.) and retighten, if necessary.
3. Subsequently check valve clearance and adjust if necessary. (Intake 0.006", Exhaust 0.008").

Time allowance approx. 45 minutes.

COST OF LABOR ON FREE SERVICE  
INSPECTIONS I AND II IS AT  
DEALER'S EXPENSE.

- 2 -

Kennntnis genommen	Betriebsleitung	Werkstatt	KD-Annahme	Gewährleistungs- Sachbearbeiter	E-Teildienst	Ablage	Betriebsleitung Werkstatt
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- 2 -

Free Service Inspection II ( at 1000 miles)

Same operations as prescribed for the minor maintenance. The items mentioned under point 10 regarding the lubrication of the centrifugal advance unit and the breaker cam lubricating felt are not necessary. However, the following additional jobs are to be achieved.

1. When changing the engine oil, remove oil pan. Clean oil pan, oil screen and the magnetic oil drain plug on the sports models.
2. Change transmission oil.
3. Change oil in rear-wheel drive and on the two-cylinder models also the oil in the right rear swinging arm.
4. On motorcycles equipped with light-metal rims (special equipment) check the wheel spokes for uniform tension and, if necessary, retighten spokes and center the rims.
5. On the sports models balance the wheels.
6. With engine cold, check cylinder head retaining bolts for the specified torque (25.3 ft.lbs.) and retighten if necessary.
7. Subsequently check valve clearance and adjust if necessary. (Intake 0.006", Exhaust 0.008").

Time allowance approx. 2 hours 30 min.

Periodic lubrication (at the following mileages: 2,000, 4,000, 6,000, 8,000, 10,000 and so on).

1. Change engine oil. Clean magnetic oil drain plug on the Sports models.
2. Lubricate front and rear swing-arm pivot bearings (Use only a hand operated grease gun).
3. Oil control levers, brake and clutch linkage, as well as the hinge on the rear wheel fender (mudguard).
4. Check the electrolyte level in the battery and top up with distilled water if required, eventually at a lower mileage.

Time allowance approx. 25-30 min.

Minor maintenance ( at the following mileages 4,000, 8,000, 12,000, 16,000, 20,000, 24,000, 28,000 and so on.)

1. Periodic lubrication.
2. Check oil level in transmission and top up if necessary.
3. Check the oil level in rear-wheel drive and top up if necessary.

- 3 -

4. On the two-cylinder models check the oil level in the right rear swinging arm, drain the oil for this purpose.
5. Check air intake filter cartridge - Carefully tap off any dust which may have accumulated in the filter element (on no account wash it out), renew the cartridge when clogged. On the R 26 and R 27 models, which are still equipped with wet air cleaners, wash out the filter element and re-oil it.
6. Check steering, wheel bearings, front and rear swing-arm pivot bearings for play.
7. Check bolts and nuts for tightness, particularly the axle spindle nuts and the pertaining clamp screws, suspension unit retaining bolts, front and rear, attachment of transmission to engine, cylinder flange nuts etc. Caution! Tighten axle spindle nuts without applying tommy bar.
8. Check and adjust the play in the control cables as required; if necessary remove and grease throttle twist grip.
9. Check spark plugs and gap settings (0.028").
10. Check contact breaker gap (0.014" - 0.016"), lubricate bearing bushing of centrifugal advance unit and breaker lubricating felt with Bosch grease Ft 1v4, and check that the felt rests properly on the cam.
11. Check ignition timing.
12. Clean carburetor and the screen filter in the fuel shut-off.
13. With engine cold, check cylinder head retaining bolts for the specified torque (25.3 ft.lbs.), and retighten if necessary.
14. Subsequently check valve clearance and adjust if required (Intake 0.006", Exhaust 0.008").
15. Carry out the final check, together with test for driving safety (tires, tire pressure, brakes, steering, lighting system) and adjust carburetor idling if necessary.

Major Maintenance (at the following mileage: 16,000, 32,000, 48,000, 64,000 etc.)

1. Minor maintenance, but additionally, carry out the following:
2. Remove oil pan, when changing engine oil, clean oil pan and screen.
- Change oil in rear wheel drive and on the two-cylinder models also the oil in the right rear swinging arm.

SERVICE INFORMATION  
1/64 (215) en.

Motorcycles, 1 & 2 Cyl. Models  
Group: Maintenance Services

- 4 -

5. Remove, clean and repack the wheel bearings.
6. Check the wheel spokes for uniform tension; tighten spokes if necessary and center the rims. On motorcycles equipped with light metal rims (special equipment) this point 6 is to be accomplished every 8,000 miles.
7. On the Sports models balance the wheels.
8. Clean the brakes; check the brake drums, shoes, linings, cams and actuating parts.
9. Renew micronic air filter cartridge.
10. Clean generator of carbon dust, clean commutator and check it for smooth running surface; inspect brushes for wear and for smooth fit in the guides. If the motorcycle is operated under especially dusty conditions, this point 10 is to be accomplished every 8,000 miles.
11. On the R 26 and R 27 models remove the complete rear wheel drive from the right swinging arm and repack the pinion coupler gear of the universal shaft with grease.

Time allowance approx. 3 h. 30 m.

On the R 26 and R 27 models an additional time allowance of approx 1 h 30 m for the performance of point 11.

Necessary lubricants, materials, gaskets etc. will be charged for separately.

With its arrival at your end, this new maintenance schedule cancels the hitherto applicable lubrication and maintenance service scheme for the mentioned models.

With friendly greetings  
BAYERISCHE MOTOREN WERKE  
Aktiengesellschaft

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