

**MOTUL<sup>®</sup>**

**MC  
CARE**

# ALL SEASON CARE GUIDE

**GUIDELINE FOR  
PROFESSIONAL  
MOTORCYCLE CARE**



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## PREFACE

This care guide sees itself as a companion throughout the whole year. Motul provides simple, understandable explanations, showing you how to revive your motorcycle after the winter, and how to service and maintain it correctly throughout the entire motorcycle season. Of course, it also includes tips on how to prepare your bike for the winter break or how to keep it running during the winter.

## GENERAL NOTE

Should the advice in this brochure differ from individual operating manuals, the instructions given in the relevant operating manuals should take priority. All products shown in the care guide are available from specialist motorcycle dealers.

## SYMBOLS USED IN THIS CARE GUIDE

-  Warning – absolutely necessary, technical safety note
-  Important – for look and technology
-  Expert Advice – the right way to do it

A motorcyclist wearing a white helmet and a red and white racing suit is riding a red and white sport bike on a paved road. The sun is low on the horizon, creating a bright, hazy glow behind the rider. The background shows a line of trees and a clear sky. The overall scene conveys a sense of speed and adventure.

**PREPARING FOR  
THE SEASON**

## **START INTO THE NEW MOTORCYCLING SEASON**

1<sup>st</sup> March or 1<sup>st</sup> April? The motorcycle close season is over! So off with the cover and open the garage door.

Now's the time to breathe fresh life into your beloved bike at the start of the season. Simply cleaning and polishing already gives an enormous boost to your

anticipation of the new biking season, many wonderful tours or one or two trips to the racetracks.

Follow the steps described below to ensure that your machine is perfectly prepared to start the new season.






**INTO THE  
SEASON**



First of all use a dry, soft cloth to wipe off the protective film on chrome or other metal surfaces which were conserved for wintering with the all-purpose oil Motul E.Z. Lube. Then check the tyre tread and pressure and, if necessary, correct according to the information in the operating instructions.

 If the tyre has already been used for a longer period (4–6 years), it is sometimes advisable to change the tyre before the start of the season.



Wipe off protective film



Check tyre pressure



Check the function, easy operation and necessary play of the throttle grip, clutch lever, gear and brake levers. Install and connect the recharged and tested battery. Test the function of full-beam and dipped headlights, rear light, brake light, indicators and horn.



Turn on ignition



Check brake fluid

Switch on the ignition only. If the battery has been completely disconnected, the engine control unit and other electronic components have to adjust or reconfigure themselves after the ignition has been switched on.



Start the engine, let it run in neutral and wait to see whether the oil pressure lamp goes off. Take a short test run round the block, paying attention to suspension and shock absorption. After driving off on bikes with ABS, the control light on the display should go off immediately after starting.

Then check that the operating fluids have been filled to the correct levels (engine oil, transmission oil, cooling and brake fluid)

with a visual inspection of the circuits for leaks (oil drain plug, brake fluid container, radiator, vent screw on the callipers, shaft seals on the fork rods and the rear shock absorbers).

**All done?**

**Then off you go!**





**DURING THE SEASON**

## ENGINE

**CHECK OIL LEVEL:** Check the oil level at least every 1,000 km. To do so, the engine should have reached running temperature and the machine should be parked on a flat surface, ideally on the main stand. For bikes without a main stand, it is advisable to enlist the help of a 2<sup>nd</sup> person. Wait a

couple of minutes before taking the measurement so that the oil can settle. Then read the oil level through the inspection glass on the crankcase at the bottom, or use the dipstick. The oil level should be between the minimum and maximum markings. Top up with motorcycle engine oil of




Check oil level at inspection glass ...



... or using the dipstick

the recommended type up to the specified level at the latest when the oil level is at the minimum marking.

 Never refill oil above the maximum marking! This would result in leaks or engine damage and shorten the service life of the catalyst.

Motul's product range includes the right oil for every motorcycle and for a wide range of applications.

Detailed information on the recommended oil type and viscosity can be found in the operating instructions or under:

**[oelberater.de/home-en](http://oelberater.de/home-en)**





Top up with Motul motorcycle engine oil



**The right Motul chain care to suit all needs:**

- Chain Clean for cleaning motorcycle chains
- Chain Lube Road and Chain Lube Road Plus for the road
- Chain Lube Off Road for off-road use
- Chain Lube FL for the race track
- Chain Paste, the practical chain grease

**FOR ALL WHO  
LOVE THEIR BIKE**

## CHAIN

**CHECK:** Depending on your individual style of driving, weather conditions and load, please check the chain every 500 – 1,000 km for signs of wear, correct level of “sag” and, of course, sufficient lubrication.

The chain should also be regreased after every extended journey in the rain. Take the refillable 100 ml can Motul Chain Lube Road Plus with you on every longer trip: it fits neatly in any pocket.



Check secondary chain for “sag”



Clean chain with Motul Chain Clean



**CLEAN AND GREASE THE CHAIN:** Before greasing the chain, remove any heavy grime with the effective chain cleaner Motul Chain Clean. Over time, oil, dust and worn material clog together to form a pasty mass. This will have an abrasive effect and shorten the service life of the entire chain kit through the increased wear. Further-



Spray on Motul Chain Clean and leave it to soak in


more, a dry, clean chain results in far better distribution of the chain spray.


Put the motorcycle on the main stand. Please use an assembly stand if your machine only has a side stand. Wheel-turning aids are available from motorcycle specialists which make it possible to move the




Rub chain dry

rear wheel of a motorcycle even when it is parked on the side stand. Turn the rear wheel by hand to set the chain in motion, then spray the links on all sides with the special cleaner Motul Chain Clean. Keep the chain running until all the chain links have been covered with the cleaner. Leave the cleaner to soak in briefly, then clean the links on all sides using a special brush (available at motorcycle specialists).

 Never use a brush made of steel wire or similar material, as this could damage the ring seal between the links, causing the grease to leak. The chain would then also wear out very quickly.

 To protect the environment and to avoid any stains, please use an oil pan or put a large piece of cardboard under the chain. After cleaning the chain, rub it dry with a lint-free cloth. This should also remove any remaining grime. Please repeat the cleaning process if any obstinate grime persists, or pay special attention to affected points. Once the chain is clean and dry, you can start to regrease it. The Motul Chain Lube Road or Motul Chain Lube Road Plus products are ideal for machines which are used on the roads. The white colour of Motul Chain Lube Road Plus makes it easier to use, and indicates clearly when respraying is necessary. The high-performance

Motul Chain Paste also offers extremely high adhesion so that no chain grease is thrown off, even at high speeds. Apply a thin even layer of Motul Chain Paste with the brush integrated in the tube.

 The spray head including capillary tube lets you apply the spray with great preci-





Always apply Motul chain care to the inside

sion. Turn the rear wheel to move the chain and apply a thin even layer of Motul chain spray. Only apply the spray to the inside of the chain to distribute the chain grease in the best possible way, ensuring that all links are covered. If any chain spray should land on the wheel, this can be removed easily with a soft cloth and Motul Chain Clean.



Use Motul Chain Paste for optimum adhesion

 Do not drive off immediately after spraying the chain. The chain grease contains solvents for excellent flow characteristics and optimum distribution. Excellent adhesion is achieved after an airing time of only 10–15 minutes.

 If you don't want to wait so long, you can lubricate the chain immediately after you've parked your bike in the evening while the chain is still warm.

**MOTUL**  
MC  
CARE




The right Motul care product to suit all needs.


FOR ALL WHO WANT  
TO STAY CLEAN

## WASHING AND CARE

**Gentle wash:** To keep your bike in optimum technical condition for as long as possible, washing it with Motul Moto Wash or Motul Moto Wash Plus and then caring for the paintwork is just as important as applying the right oil and grease.

Motul Moto Wash Plus is a very gentle cleaner with a power gel formula. It adheres better to the surface and acts for longer, gently removing even the most obstinate grime.

 Never apply any kind of cleaner to your bike while the surfaces are still hot or when it is exposed directly to sunlight. Only use the cleaning product for the stipulated purpose, and rinse it off thoroughly with clear water. In regions with hard water, the increased lime in the water may leave stains.

 **Hand wash or high-pressure cleaner?**  
We definitely recommend that you wash your bike by hand. If you still want to use a high-pressure cleaner, please be careful with the powerful jet of water, as it could damage electronic components or wash the grease from the chain bearings.

It is often very difficult to remove grime on the wheels: here we recommend that you use a highly effective wheel cleaner. Motul Wheel Clean removes even stubborn grime such as brake dust quickly and gently. It is suitable for all motorbike wheels such as aluminium wheels, chrome, plated or painted wheels.



Clean gently



Rinse off thoroughly with clear water



Hand wash instead of high-pressure cleaner



Insects on the windscreen and fairing can't be avoided when you're out and about on your bike. To make sure they don't spoil your fun or impede your vision, use the Motul Insect Remover, which soon gets rid of even the stickiest insect residues.

**Washing without water:** You don't always have to subject your bike to a complete wash with water and sponge after a short tour. There's a quicker way of cleaning it, which is kind to the environment as well as your bike. Motul Wash & Wax is the name of the motorcycle cleaner which produces



Motul Wheel Clean for your wheels



Clean the windscreen with Motul Insect Remover

brilliant results even without using any water, and of course without leaving any scratches. Spray Motul Wash & Wax onto the surfaces being cleaned from a distance of approx. 20 cm, applying more or less cleaner depending on the amount of grime. Leave to soak in for 5 minutes, then remove the grime and surplus cleaner with a soft



Spray on Motul Wash & Wax and leave to soak in briefly

cloth. You can thus remove even the most obstinate insect grime with little effort. Then just give it a final polish with a clean soft cloth. This forms a dry protective sheen without staining and gives the treated surfaces a lasting seal with a water-repellent and dirt-resisting protective layer.



Polish with a soft cloth

**Plastic care:** Motul Shine & Go refreshes all unpainted plastic and rubber parts together with fairing components after washing. Spray the surfaces being treated from a distance of approx. 20 cm, then just give a final polish with a soft cloth.

👍 Motul Shine & Go forms a thin film



Use Motul Shine & Go to refresh the paintwork

which delays resoiling. Even insects are much easier to remove and no longer eat their way into the paint coating. Rubber parts remain flexible and elastic.

⚠️ Do not use Motul Shine & Go on brake parts, seats, foot rest rubbers or grips – risk of slipping!



Perfect finish

The best way to clean and care for vinyl motorcycle saddles is to use Motul Perfect Seat. This cleaner guarantees a non-slip seat and also prevents colours from fading when exposed to UV radiation.

We also recommend Motul Chrome & Alu Polish for dull or stained surfaces on chrome



Care for your saddle with Motul Perfect Seat

and aluminium parts to polish away any blemishes in next-to-no time. And little scratches in the paintwork will vanish again when you treat them with the Motul Scratch Remover.



Motul Chrome & Alu Polish for high-gloss surfaces



Use Motul Scratch Remover to treat little scratches




**The right Motul fork oil for all degrees of damping:**

- Fork Oil FL for special use in racing
- Shock Oil FL for special use in racing
- Fork Oil Expert for road and off-road use

**FOR ALL WHO  
ARE CONSTANTLY  
ON THE MOVE**

## SAFETY FIRST – REGULAR CONTROLS

**FORK:** Shock absorbers and front forks ensure good contact with the road. Both components increase stability, safety and comfort. The breakaway torque of the fork has a decisive influence on the fork's response behaviour.

 Fork oil is occasionally subject to extreme loads and also ages as a result of oxygen in the air. Fork oil should therefore be changed at least every 2 years. However, changing the fork oil demands advanced expertise and should only be done by a motorcycle specialist.

Check the fork plunger tube regularly for scoring or surface changes. Motul offers a wide range of fork oils in different viscosities for both everyday use and for racing, offering optimum wheel control in all degrees of hardness.



Check plunger tubes and shaft seals






**The right Motul brake fluid  
for every purpose:**

- RBF 700, RBF 660 and RBF 600 for racing
- DOT 5.1, DOT 4LV, DOT 3&4 for everyday use

**FOR ALL WHO LIKE TO  
GET THERE SAFELY**

**BRAKES:** Regular checks of the brake system and, above all, the brake pads are obligatory. Motul Brake Clean is the ideal brake cleaner for treating all parts of the brake system. It effectively removes grime and dries very quickly, without leaving any smearing film.

 Check level of brake fluid regularly, and use a tester to check the water content as well.

Brake fluid is hygroscopic and absorbs water. The higher the water content, the lower the wet boiling point. In the worst case, this can lead to the so-called fading. The brake fluid starts to boil. This creates a gaseous mixture which compresses with an adverse

effect on power transmission to the individual brake cylinders. It is advisable to change the brake fluid at least every 2 years to ensure that you will always have the full braking power.

Motul Brake Fluid DOT 5.1, DOT 4LV and DOT 3&4 cover all braking systems for normal road traffic. Motul RBF 700, RBF 660 or RBF 600 are specially formulated for racing.

🔧 Commercially available DOT 5.1 or DOT 3 & 4 brake fluids are based on polyglycol and are therefore not miscible with DOT 5 silicone brake fluids. DOT 5 brake fluids are used in particular by American manufacturers.

⚠️ For new models with ABS, the brake fluid can only be changed if the ABS module is checked with a vendor-specific tester, as otherwise part of the old brake fluid will remain in the system. In this case, the brake fluid should be changed by your motorcycle specialist.



Check brake discs and pads



Clean with Motul Brake Clean



Check the brake fluid

**FUEL SYSTEM:** Condensation forms in every fuel system with the warming and cooling of the air flowing into the tank as the volume of fuel decreases. Particularly in one- or two-cylinder engines, this causes starting difficulties, loss of performance, noticeably out-of-true running in the part-load range and poor throttle response.

👍 Once or twice a season, add a can of Motul Fuel System Clean when refuelling. Motul Fuel System Clean cleans the entire fuel system, stabilizes the fuel, removes condensation, lubricates and protects against wear and corrosion.



One can of Motul Fuel System Clean is sufficient for a tank volume of up to 20 litres

## MOTORCYCLE EQUIPMENT

**Helmet Care:** Use Motul Helmet & Visor Clean to remove dust, insects and other grime quickly and effectively. Simply spray on from a distance of 20–30 cm, leave to soak in briefly and rub off with a soft, lint-free cloth.



Motul Helmet & Visor Clean for cleaning your helmet

Motul Helmet Interior Clean is ideal for cleaning your helmet thoroughly and hygienically on the inside. It disinfects and removes smells. The cleaner is dermatologically tested and does not irritate the skin.



Motul Helmet Interior Clean for cleaning on the inside

**Leather care:** Leather biker gear also needs regular cleaning and care. Motul Perfect Leather is a mild leather care cream for gentle care and cleaning of leather clothing, boots and gloves. The water-re-

pellent cream refreshes colours and keeps the leather supple. Also recommended for saddles and saddle bags.



Regular care with Motul Perfect Leather ...



... is always worth while!



**Handy Motul products to keep with you en route:**


- Practical refill pack for 1 l engine oil
- Pocket Chain Lube Road Plus in 100-ml-travel size
- Tyre Repair – first aid for flat tyres

**FOR ALL WHO LIKE TO  
BE WELL-PREPARED**



## **ON SHORT AND LONG TOURS**

Before setting off, check the oil level and top it up if necessary. It is advisable to take one litre of Motul engine oil with you for topping up on longer tours.

 It's best to keep the oil can in the leak-proof Motul refill pack. Then you won't have to waste time looking for the right oil when you're out and about, and you can also help your friends out if necessary.

Vibrations can sometimes make screws work loose. Please therefore check the

screws at the fairing, mirror, grips, wheel axles and particularly the locking screw on the chain adjuster to make sure they are tight.

Take the practical Motul Chain Lube Road Plus with you to regrease the chain, in the handy travel size of 100 ml. And always make sure you have Motul Tyre Repair with you on every longer journey so you don't literally fall by the wayside if you should happen to have a flat tyre.

A motorcycle is completely covered by a black, crinkled tarp. A red rectangular logo with the word "MOTUL" in white capital letters is visible on the side of the tarp. The motorcycle is supported by a silver metal kickstand. The background shows a landscape with a sunset or sunrise sky, featuring orange, yellow, and blue hues. A white rectangular box with a black border is positioned in the lower-left foreground, containing the text "AFTER THE SEASON".

**MOTUL**


**AFTER THE  
SEASON**

## RECOMMENDATIONS FOR STORAGE IN WINTER

Eventually even the best season comes to an end. Motorcycles that are not going to be used during the winter should now be prepared for the close season.



Clean surfaces with Motul Moto Wash

 Clean your bike thoroughly, washing it gently by hand. Do not use any aggressive cleaning agents. Don't forget those bits that are difficult to reach. Then conserve painted surfaces with Motul Wash & Wax.



Conserve with Motul Wash & Wax

Your last trip of the season should take you to the fuel station. If your bike has a metal tank, it is advisable to fill it to capacity in order to prevent corrosion. This is not absolutely necessary in bikes with plastic tanks.



Add Motul Fuel System Clean when refuelling


👍 Add one can of Motul Fuel System Clean when you fill the tank to keep the whole fuel system free of fuel residues and condensation.



Conserve with Motul E.Z. Lube


Once you've got your bike back where it is going to spend the winter, the following tasks are particularly important. For motorcycles with a carburettor, either drain fuel from the float chamber through the drain plug, or let the engine run with the fuel cock closed until it stops of its own accord. This is not mandatory in vehicles equipped with fuel injection technology.


Spray all moving parts and all chrome and other metal surfaces with Motul E.Z. Lube.

 Comply with the operating manual to conserve titanium exhaust systems.

Change the oil only when the engine is still warm: this ensures that any deposits and

residues in the oil are still washed out with the oil.

 We urgently recommend that you change the oil before taking your bike into storage for the winter; an oil change is due now anyway, even if you covered no more than 1,000 km last season. Engine oil will age more rapidly, particularly when your bike is used frequently for short distances, and will be thinned out with unburnt fuel. The ingress of acidic combustion residues in the engine oil reduces the neutralization capacity and would cause corrosion while your bike is not in use.

 Bring the engine to its normal operating temperature before you change the oil. At the same time, replace the oil filter and fit a new sealing ring for the oil-drain plug.

If you want to do the transmission or car-dan shaft drive a good turn, change these lubricants too once a year before the winter break.



Oil change before the winter break ...

Clean and degrease the chain very thoroughly with Motul Chain Clean. Leave the chain to dry, then apply Motul chain spray. If your bike stays outside in the winter, always remove the battery and keep it in a cold, frost-free place. Apply terminal grease to the battery terminals and then recharge the battery again fully. After the battery has been removed, you can connect it up to an



... protects the engine from corrosion



Optimate battery charger, for example, and leave it connected up, as this is a battery charger and charge maintenance unit combined. It switches on automatically to charge the battery and switches off again when the battery is full. If your bike spends the winter in the garage in the dry, you can leave the battery permanently connected up to a battery charger to rule out the risk

of sulphation and loss of performance. Advantage: no need to wait for electronic components to reconfigure when you start the engine again; your bike is ready to be used at any time and the battery will last much longer.



Chain care with Motul Chain Paste



Use a battery charger





**The right Motul coolant to suit all needs:**


- Motocool FL ready-to-use coolant, antifreeze to -35 °C
- Motocool Expert ready-to-use coolant, antifreeze to -37 °C
- MoCool concentrated coolant additive for racing

**FOR ALL WHO NEED  
TO COOL DOWN A BIT**

**Antifreeze:** If your bike has a water-cooled engine and you have to leave it outside in the winter, the coolant should have antifreeze protection down to at least -20 °C to be on the safe side. Liquids expand when they freeze and can cause damage, particularly to the radiator.

Motul Motocool Expert or Motocool Factory Line are ready-to-use coolants that guarantee antifreeze protection down to -37 °C

respectively -35 °C. Motul MoCool is a concentrated coolant additive specially for racing and contains no antifreeze components.

 Simple tap water provides no antifreeze or corrosion protection whatsoever, contains too much lime and leaves deposits in the cooling circuit with an adverse effect on heat transfer.

Increase the tyre pressure by between 0.3 and 0.5 bar. Parking on the main stand with increased tyre pressure is generally sufficient to avoid a “standing flat tyre”. The wheel touching the floor should be turned once a month. If you only have a side stand, move the vehicle to a different tyre position at least once a month.



Park on the main or assembly stand

And last but not least, motorcycles parked outdoors should be covered with a waterproof tarpaulin that is suitable for this purpose. Make sure that air can circulate sufficiently under the tarpaulin. Any bikes kept in the garage which are not in the dry should be covered as well – also as dust protection.



Cover your bike to protect it from dust and moisture

🔧 If you don't have any dry parking space in a garage or if it is all too much hassle, you can have your bike stored for the winter with your motorcycle specialist.

If once you've done all this you want to clean your hands thoroughly but also gently from grease, oil and grime but there's no

water available, you can use the dermatologically tested Motul Hands Clean. Just put a dab on your hands, rub it in gently, leave it to dry off briefly and then rub off thoroughly. Motul Hands Clean removes even the most stubborn grime and leaves your skin feeling pleasantly cared for.



Clean your hands with Motul Hands Clean




Clean hands even without water


A first-person perspective from a motorcycle rider on a snowy road. The dashboard features a tachometer on the left and a speedometer on the right, which displays '100'. The handlebars are visible with black grips and red brake levers. Two side mirrors are positioned on either side of the dashboard. The road ahead is covered in snow, flanked by snow-laden trees under a bright, hazy sky.

**WINTER SEASON**


Motorcycles that are used right through the winter need special care and attention. Always check that there is sufficient anti-freeze. At least -20 °C antifreeze protection should be warranted for winter tours in certain countries.

 In view of the low temperatures during the winter, we recommend engine oils with viscosities of 5W40, 10W40 or 10W50. These are low viscosity lubricants that ensure particularly rapid oiling during the cold start phase, protecting the starter and battery.

The aggressive combination of gritting salt and water exposes the brakes to greater corrosion. We advise regular cleaning of the brake plates, linings and callipers with Motul Brake Clean. The fork rods are best protected against corrosion by applying a thin even layer of Motul Wash & Wax.

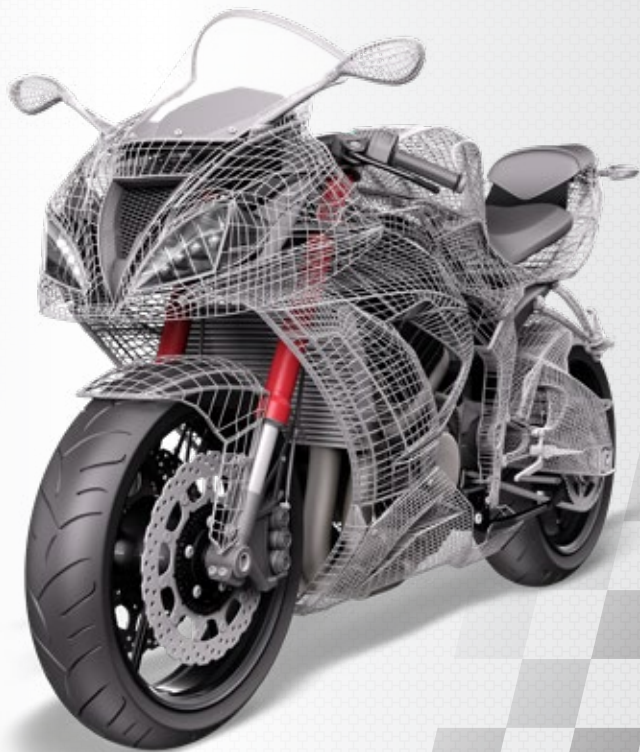
 In the winter, we recommend that you clean and lubricate the chain at least every 300 km.

Every time your bike has ploughed through snow, slush or rain, please clean it thoroughly with cold water and Motul Moto Wash Plus.

 Do not use warm water as this accelerates any reaction with the dissolved gritting salt. As a result, salt deposits can accumulate in accessible points, which will lead to corrosion when exposed to humidity. Finally, spray all metal surfaces with a thin film of Motul E.Z. Lube.

**Motul wishes you good and safe motoring!**





Motul dealer

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