



SKF REMOVABLE MUD SCRAPER INTRODUCTION

SKF Mud Scraper is a removable dried mud scraper made of SKF proprietary low friction, low wear material named X-ECOPUR. Product can be easily installed and removed by end consumer. Forks removal from the triple clamps is not required. Product is designed to work over OEM forks wear rings and is compatible with OEM dust seals. However SKF recommends application with SKF fork seals kit for the lowest friction possible experience.

Product's objective is to protect fork seals from being damaged by small debris, dried mud which are the real killer of oil seal's lips. Dust seal is designed to keep out as much as possible water, small particles, powder and liquid mud. Unfortunately in many riding circumstances, liquid mud may have enough time to dry over the lower part of the chrome tube. Think about when you ride into muddy trails/tracks and then you pass through a fast section or you just stop few minutes for relaxing. During this time, mud left over the tubes has time to dry. As soon as you get back on the bike, at first jump landing or hard braking your forks will dive seals down into the section where the mud was accumulated and dried. Dirt particle will not move passing through the dust seal (which is not designed to scrape but to wipe!) and most likely will damage your oil seal lip triggering for a leakage. The Mud Scraper is designed to scrape! It will constantly clean your tubes removing hard, dried particles leaving to the dust seal the job to keep out water and powder.



Usage recommendations

Innteck s.r.l. Viale Artigianato n.30/C – 12051 Alba (CN) Italy – email: info@innateck.com
Tel +39 0173 612070 Fax +39 0173 363491
Partita iva 02972620047 – CCIAA di CUNEO 251838 capitale sociale € 40.000,00 i.v.



- Product should be only used when riding in extreme wet-muddy conditions.
- Product should not be used in dry riding conditions. Using the product in dry conditions will not affect product performance or durability.
- Check for interference with your hole shot device where applicable.
- Check for interference with non-OEM fork protection shields. Refer to last page for troubleshooting in case of interference.
- Product shall be placed over OEM outer tube steel wear rings (with except of WP forks). Please check your steel wear rings are in good conditions. Should they be worn they may affect the capacity of the mud scraper to stay fixed over the forks.
- Product shall not be used in conjunction with other seal savers products.
- Remove SKF Mud Scraper after riding and properly clean with water.
- SKF recommends to replace your existing OEM wear ring (steel or plastic) with SKF Slider made with the special X-ECOPUR material. Please read at the end of the document for more information about the Slider product.

SKF REMOVABLE MUD SCRAPER - PART NUMBERS and APPLICATIONS:

PART NUMBER	APPLICATION
KIT-MS48WP	Wp 48mm Forks
KIT-MS48S	Showa forks 48mm
KIT-MS47S	Showa forks 47mm
KIT-MS48KM	Kayaba, Marzocchi, Sachs 48mm forks
KIT-MS50M	Marzocchi 50mm forks

INSTALLATION INSTRUCTIONS



FORKS WITH PLASTIC WEAR RING (WP PRODUCTION FORKS):

1. Push out of its cave the OEM black plastic wear clip. Carefully use a large flat tip screwdriver to push out of the cave the plastic wear ring. You'll have to push equally in several steps around its circumference.



2. Once released you can slide the OEM plastic wear ring up over the fork until contacting the lower triple clamp. Lock in this position applying a plastic zip tie immediately underneath. Alternatively you can permanently remove the plastic wear ring, but in this case you'll have to remove the fork from the triple clamp.



3. Clean area and install SKF Mud Scraper over the cave on the outer tube. Check mud scraper is positioned in its topmost position and seats correctly in the tube's seat. Check the scraping lip is contacting the chromed tube.

WP MUD SCRAPER: please note small hump that will have to be positioned in the fork's outer tube cavity where the OEM plastic wear ring was hooked to.



4. Push to join the two scraper's extremities. While contacting the extremities, slide down from the upper hole the included cotter pin (top-down).



5. Release pressure and bend aside the two extremities of the cotter pin. Rotate the mud scraper to keep the cotter pin in the backwards portion of the tube.



Check Mud scraper is positioned correctly and does not interfere with hole shot devices or other areas of the fork plastic shield.

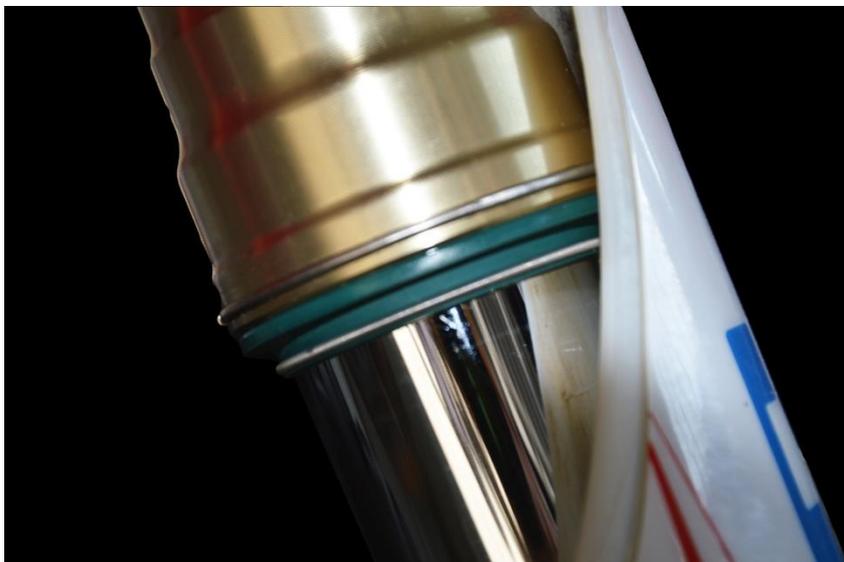
See below photo of a correctly positioned Mud Scraper. NOTE: it seems the product is not contacting the chrome tube. This is normal as the contacting lip is positioned in the innermost position.



FORKS WITH STEEL WEAR RING (SHOWA, KAYABA or similar):



1. Check the status of existing steel wear ring. Replace if necessary. The Mud scraper needs to hook on this part which shall be in good conditions.



STEEL RING APPLICABLE MUD SCRAPER: please note the cavities that will have to be positioned over the OEM steel wear ring. Product presents two cavities at different heights to match position of the steel wear ring which may vary among fork models.



2. Clean area and install SKF Mud Scraper over the wear ring. At this stage you can repeat steps from point 4 as per WP installation steps.

Once the product is no longer needed, you can easily remove the product by sliding out the cotter pin.



WP FORKS IMPORTANT NOTE: please remember to re-position the OEM plastic wear ring once the SKF Mud Scraper is removed otherwise severe wear may happen to your outer tubes.

ALTERNATIVE SOLUTION

Both OEM WP plastic and steel rings tend to wear pretty quickly. In order to avoid having to replace OEM wear ring, SKF has produced SKF Sliders made of same low wear X-ECOPUR material. This product is very similar to the Mud Scraper, but it doesn't have a contacting lip. Its function is just to protect the fork tube from contacting the plastic shield. The product inherits the same quick&easy locking system as the Mud Scraper and will last way longer than any OEM solution.

SEE BELOW PHOTO: on the left SKF Slider – on the right SKF Mud scraper.



SEE BELOW PHOTO: SKF Slider installed over fork.



SKF REMOVABLE SLIDER APPLICATIONS AND PART NUMBERS:

PART NUMBER	APPLICATION
KIT-FS-WP	Wp 48mm Forks
KIT-FS-SHO	Showa forks 47mm or 48mm
KIT-FS-KMZ	Kayaba, Marzocchi, Sachs 48mm forks
KIT-FS-50M	Marzocchi 50mm forks



FORK SHIELD INTERFERENCE TROUBLESHOOTING

Product has been extensively tested with OEM fork's plastic shields. No issues were reported with either classic open shields or closed ones (such as WP OEM).

However, with severe debris/mud accumulation and especially with closed type fork shield, it may result some of those bending and interfere with mud scraper once the fork is dived down.

The problem can easily be solved trimming out one specific portion of the shield.

See below photo for area of interference and suggested corrective action.

