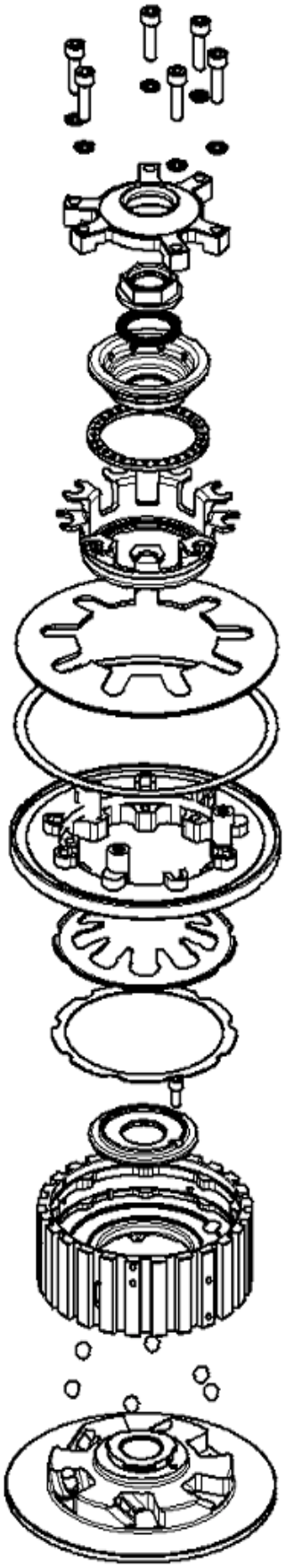
0F3SR320M100000
FKT-S100

KTM 390
SLIPPER CLUTCH KIT



(1) 901 VT 018 SCREW

(2) 901 RD 007 NOTCHED WASHER

(3) 0F3SR320M100004 BEARING REST

(4) 0F3SR320M100013 CLUTCH NUT

(5) 901RD006 NOTCHED WASHER

(6) 0F3SR320M100007 SPRING STOPPER HUB

(7) 003 MG 007 BALL BEARING

(8) 0F3CR620E07A008 SPRING PUSHER PLATE

(9) 0S1121 EVOLUZIONE PRIMARY SPRING

(10) 0F3SR540B140015 PRIMARY SPRING SUPPORT

(11) 0F3SR320M100003 PRESSURE PLATE

(12) 0S2085 SECONDARY SPRING

(13) 0F3SR540B140016 SECONDARY SPRING SUPPORT

(14) 0F3SR300J070086 DRUM STOPPER LOCK SCREW

(15) 0F3SR320M100009 DRUM STOPPER

(16) 0F3SR320M10002B DRUM

(17) 001 MG 025 STEEL BALLS

(18) 0F3SR320M10001B HUB

MOUNTING INSTRUCTION

The Drum/Hub group is supplied pre-assembled. **In case of need,** as to check the ramps wear, please see hereinafter the specific procedure to disassemble the Drum/Hub group.

Place the Drum/Hub group on the drive shaft.

WARNING: between the original basket and the hub (18) you must keep the washer of the original clutch, otherwise there could be generated wrong function and/or damage to the clutch parts.

Replace the original clutch plates, keeping them in the original sequence. **Please remind to replace last OEM steel plate** (that one with different teeth from others) with another steel plate equal to others OEM steel plates. At the end of the operation the total height of the stack must be 33 mm ± 0.2mm.

WARNING: if in the original plates kit there are two rings (one of them is conical), placed in between sinterized plates keep them apart and do NOT use them in the STM clutch.

Check that the drum stopper lock screw (14) do not stick out from the surface of the drum stopper (15), where the spring stopper plate (6) will be placed.

Verify that the secondary spring support (13) is correctly placed in its seat in the drum (16).Place the secondary spring (12) in the drum (16) with a small amount of grease.

Check that the primary spring support (10) is correctly placed in its seat in the pressure plate (11).Place the pressure plate (11) in its seats on the drum (16).

Place the Evoluzione primary spring (9) on the pressure plate (11).

Pre-assemble the spring stopper group: keep the spring stopper plate (8) with the groove for the bearing facing up as shown in the drawing, place the ball bearings (7) and then place the spring stopper hub (6).

Insert the spring stopper group into the pressure plate (11) so that the 9 wings of the spring pusher plate (8) overlap the 9 tips of the spring (9).

Insert the notched washer(5) with the convex part facing up and then the nut (4) in the spring stopper hub (6).

Tighten the nut (4) onto the drive shaft, and lock it with a dynamometric wrench to the torque suggested by the manufacturer. Please remind not to use OEM washers. To lock the pressure plate (11) we suggest to use the specific tool (UTL-0030) (not included).

Pre-assemble the bearing rest group: mount the clutch pushrod piece and the bearing of the original clutch into the bearing rest (3).

Place the entire bearing rest into the specific holes in the pressure plate (11) taking care of placing it correctly in these holes and fix it with the six screws (1) and with the notched washers (2).

Once the mounting operations are completed, operate the clutch lever more than once to check that pressure plate correctly activate the clutch opening and closing, then mount the clutch guard.

DRUM/HUB UN-INSTALL PROCEDURE

ATTENTION: DO NOT perform this operation before removing the clutch from the bike. Remove the drum stopper lock screw (14), rotate the drum stopper hub (15) clockwise by 60° and then remove it. The drum (16), the hub (18) and the steel balls (17) can now be disassembled.

TO RE-ASSEMBLE THE GROUP: place the 6 steel balls (17) at the bottom of the grooves of the hub (18) using a small amount of grease, then position the drum (14) onto the hub (18) in an at-rest position. Position the drum stopper hub (15) on the hub (18), aligning its three wings with the three housings on the hub (18) , then rotate it until the holes of the two parts are aligned, and finally replace completely the screw (15). **Check that the drum stopper (15) is correctly locked on the hub (18) and that the drum stopper lock screw (14) do not stick out from the surface where the spring stopper hub (15) will be placed.**

GENERAL SAFETY REGULATIONS

-IN THIS SHEET ARE REPORTED THE DIRECTIONS TO PERFORM CORRECTLY THE CLUTCH ASSEMBLY OPERATIONS
-STM RESERVES THE RIGHT, WITHOUT NOTICE, TO INTRODUCE ANY TECHNICAL CHANGE WHENEVER DEEMED IT TO BE NECESSARY TO IMPROVE FUNCTION AND QUALITY OF THE PRODUCTS.
-STM ITALY SRL PRODUCTS ARE EXCLUSIVELY INTENDED FOR COMPETITION, NOT SUITABLE ON MOTORBYKES ON PUBLIC ROADS.
-ASSEMBLY OPERATIONS MUST BE PERFORMED BY A SKILLED TECHNICIAN AND MUST BE SCRUPULOUSLY OBSERVED.
-BEFORE MOUNTING THE CLUTCH MAKE A COMPLETE INSPECTION OF THE MOTORBIKE COMPONENTS, IN ORDER TO VERIFY THE POSSIBLE PRESENCE OF FAULTS OR ANOMALIES ON THE VEHICLE.
-MAKE SURE THAT THERE ARE NO MISSING/DAMAGED PARTS IN THE CLUTCH KIT.
-SOME PARTS OF THE CLUTCH AND ITS COMPONENTS CAN HAVE SHARP SURFACE: HANDLE WITH CARE.
-SOME COMPONENTS OF THE CLUTCH, BECAUSE OF THEIR SMALL DIMENSIONS CAN BE SWALLOWED: KEEP AWAY FROM CHILDREN.

RULES FOR PRODUCT CARE AND CLEANING

ANODIZED and/or LEXAN PARTS: DO NOT USE on both glossy and matt anodized parts or on lexan components any type of acid or alkaline based degreaser. Use only neutral-based soaps.
We recommend using a soft, non-abrasive, damp and clean microfiber cloth or synthetic sponge to avoid abrasions and scratches on surfaces.
However, the use of detergents containing alcohol or aggressive chemical products, but also pickling agents or acids is **prohibited**.
Always wash your motorcycle cold, never hot.
Do not use pressure washers, steam cleaning machines or any type of high pressure washing system or with high operating temperatures, any type of washing of these types can damage or permanently ruin the anodized surfaces or lexan.

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