

INFORMATION

KTM PowerParts HUSKY Power HUSABERG Pure Tech



2 DEUTSCH

Wir freuen uns, dass Sie sich für dieses Produkt entschieden haben.

Unser hochwertiges Qualitätsprodukt ist rennerprobt und wurde speziell für sportliche Herausforderungen entwickelt. Eine korrekte Montage des Produktes ist unerlässlich, um ein Maximum an Sicherheit und Funktionalität gewährleisten zu können. Bitte befolgen Sie daher die Montageanleitung oder wenden Sie sich an Ihren autorisierten Fachhändler. Für falsche Montage oder Verwendung dieses Produktes kann der (Quasi)Hersteller bzw. Lieferant nicht zur Verantwortung gezogen werden.

Vielen Dank.

2 ENGLISH

Thank you for choosing this product.

Our high quality product has been tested under racing conditions and was developed specifically for use in sports activities. Correct installation of the product is essential to ensure that a maximum degree of safety and functionality is achieved. Therefore, please follow the installation instructions or contact your authorized dealer. The (quasi) manufacturer or supplier cannot be held responsible for products that are incorrectly mounted or inappropriately used.

Thank you.

2 ITALIANO

Grazie per aver scelto questo prodotto.

Questo nostro prodotto di pregiata qualità è collaudato nelle competizioni ed è stato sviluppato specificamente per gare sportive. Il montaggio corretto del prodotto è fondamentale per garantirne la massima sicurezza e funzionalità. Rispettare quindi le istruzioni di montaggio o rivolgersi al proprio concessionario autorizzato. Il produttore (detentore del marchio)/fornitore non può essere considerato responsabile per un montaggio o impiego errato del presente prodotto.

Vi ringraziamo per l'attenzione!

2 FRANCAIS

Merci d'avoir porté votre choix sur ce produit.

Notre produit de haute qualité est éprouvé pour les compétitions et a été conçu spécialement pour un usage sportif. Un montage approprié du produit est indispensable pour garantir une sécurité et une fonctionnalité maximales du véhicule. C'est pourquoi nous vous invitons à suivre scrupuleusement le manuel de montage ou à vous adresser à votre revendeur agréé. En cas de montage ou d'utilisation non conformes de ce produit, le (quasi)constructeur ou le fournisseur déclinent toute responsabilité.

Merci !

2 ESPANOL

Le agradecemos que se haya decidido por este producto.

Este producto de alta calidad está probado para la competición y se ha desarrollado específicamente para las exigencias de este deporte. Para poder garantizar los máximos niveles de seguridad y funcionalidad, es imprescindible que el producto se monte correctamente. Por este motivo, es muy importante que siga las instrucciones del manual de montaje o que se ponga en contacto con su concesionario autorizado. El (cuasi) fabricante y el proveedor de este producto no se harán responsables del montaje y el uso incorrectos.

¡Muchas gracias!



77212945044

Lieferumfang Kick-Start Kit Kombi 77212945044:

1x Kickstarterzwischenrad kpl.	77233053000
1x Passscheibe DIN0988-17X24X0,5	0988172405
2x Sicherungsring DIN0471-17X1	0471170010
1x Passscheibe DIN0988-16X22X01	0988162210
1x Sperrradfeder 1,4mm	50333056000
1x Kickstartersperrrad	50333052000
1x Kickstarterwelle	77033050000
3x Anlaufscheibe 17,2x24x1	50333030000
1x Starterrad 28 Zähne	77033051000
1x Mitnehmernabe	77033055000
1x Kickstarterfeder	77033054000
1x Wellendichtring 17x28x7	0760172870
1x Anschlagblech 4mm	50333069000
2x SK-Bundschraube M6x16 ISA30	0025060166
1x Distanzhülse 16x23x26x6,1	50333038100
1x Kickstarterhebel kpl.	77133070144
1x Fassonscheibe 8mm verzinkt	54633037000
1x Senkkopfschraube ISR45 M8x20 10.9	0019080206S
1x Kupplungsdeckeldichtung	77230025000
1x Wasserpumpendeckeldichtung	77235053000
1x Sicherungsblech	77232018000



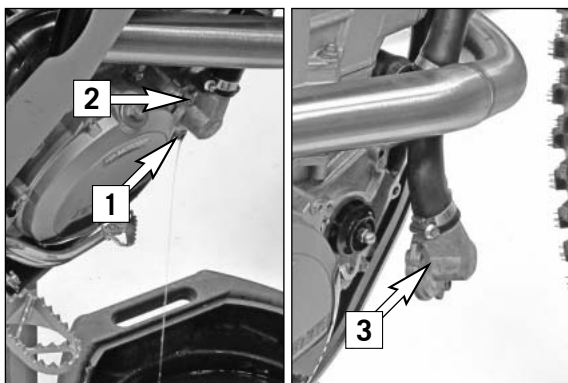
77212945244

Lieferumfang Kick-Start Kit Solo 77212945244:

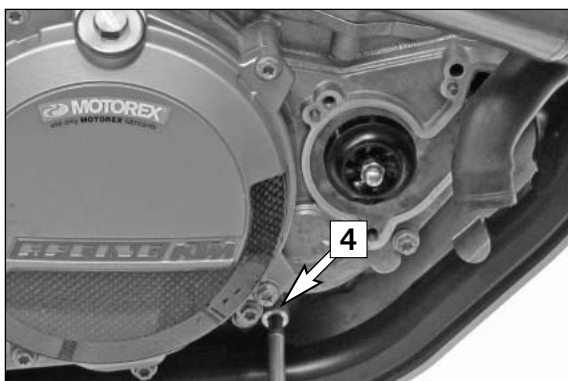
1x Kick-Start Kit Kombi	77212945044
1x Kick-Start Kit Teile	77212945144
1x O-Ring 25x3 NBR70	0770250030
1x Zündungsdeckeldichtung	77530040000
1x Dichtung Drehmomentbegrenzer	77240043000
1x SK Bundschraube M6x8	0025060086
1x Kabelstrang Kick-Start	77111185000
1x Scheibe 6,4x18x1,6mm	0021060003
1x Deckel E-Startmotor (Zündungsdeckel)	77040901010

⚠ ACHTUNG

Die Montage sollte nur von einer autorisierten Fachwerkstätte bzw. einem qualifizierten Servicetechniker vorgenommen werden!

**Vorarbeiten**

- Schraube (1) demontieren und Kühlwasser ablassen.
- Schraube (2) demontieren und Wasserpumpendeckel (3) zur Seite geben.

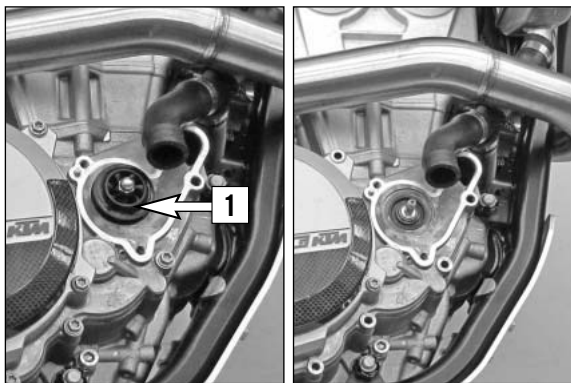


- Fußbremshebel demontieren.
- Schraube (4) demontieren und Scheibe entfernen.
- Motor auf Zünd-OT stellen und Schraube ohne Scheibe wieder montieren.

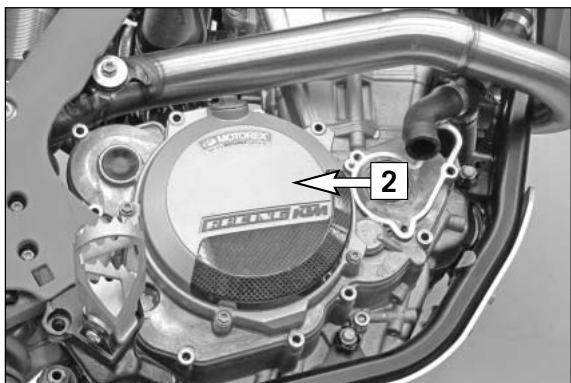
HINWEIS:

Bevor die Schraube (4) wieder montiert wird, durch die Bohrung kontrollieren, ob die Positionskerbe der Kurbelwelle sichtbar ist.

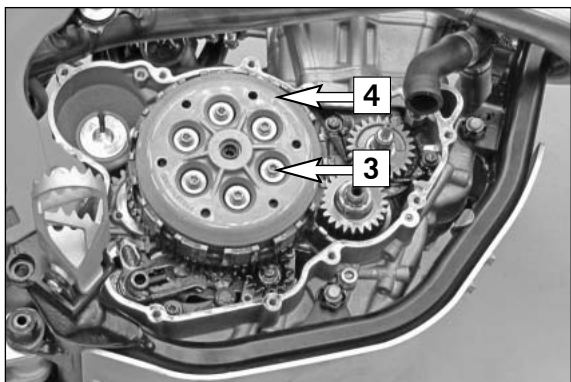
- Motorrad zur Seite legen.



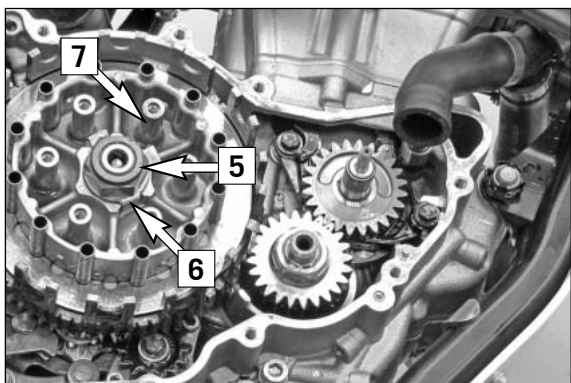
- Mutter M6 demontieren und Wasserpumpenrad (1) abziehen.



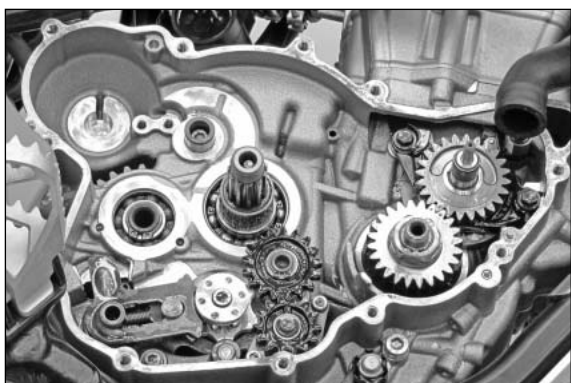
- Kupplungsdeckel (2) demontieren.



- Die 6 Kupplungsfedern (3) und die Druckkappe (4) entfernen.



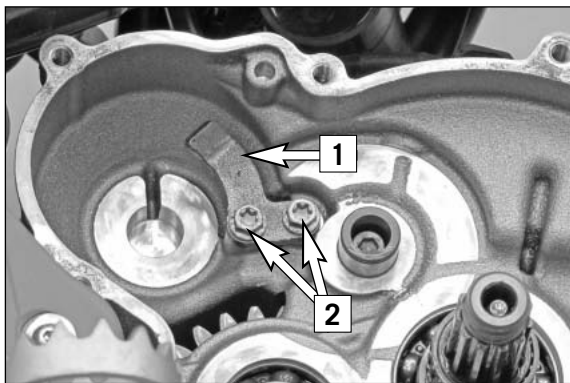
- Spezialwerkzeug (Kupplungshalter **59029003100**) auf den Kupplungskorb aufsetzen und die Mutter (5) und das Sicherungsblech (6) demontieren.



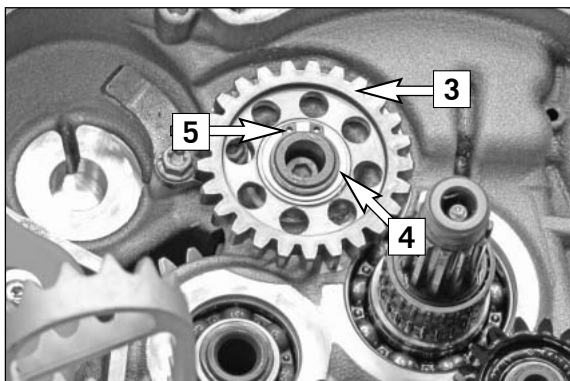
- Kupplungskorb (7) abziehen.

MONTAGE

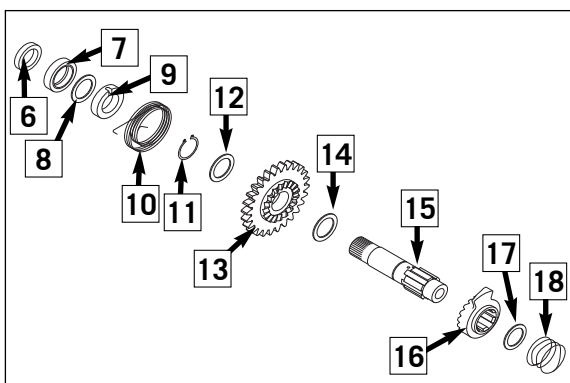
Montage Kick-Start Kit Kombi und Solo



- Anschlagblech (1) (Lieferumfang) mit den SK Bundschrauben M6x16 (2) (Lieferumfang) montieren (10Nm, Loctite 243).



- Kick-Start Zwischenrad (3) (Lieferumfang) positionieren.
- Passscheibe 17x24x0,5 (4) (Lieferumfang) aufsetzen und mit dem Sicherungsring DIN0471-17X1 (5) (Lieferumfang) sichern.



Kickstarterwelle vormontieren (alle Teile Lieferumfang)

- | | |
|----|------------------------------|
| 6 | Distanzhülse 16x23x26x6,1 |
| 7 | Wellendichtring 17x28x7 |
| 8 | Anlaufscheibe 17,2x24x1 |
| 9 | Mitnehmernabe |
| 10 | Kickstarterfeder |
| 11 | Sicherungsring DIN0471-17X1 |
| 12 | Anlaufscheibe 17,2x24x1 |
| 13 | Starterrad 28 Zähne |
| 14 | Anlaufscheibe 17,2x24x1 |
| 15 | Kickstarterwelle |
| 16 | Kickstartersperrrad |
| 17 | Passscheibe DIN0988-16X22X01 |
| 18 | Sperrradfeder 1,4mm |

Reihenfolge Zusammenbau:

- Anlaufscheibe (12) (Lieferumfang), Starterrad (13) (Lieferumfang) und Anlaufscheibe (14) (Lieferumfang) auf die Kickstarterwelle (15) (Lieferumfang) aufsetzen.
- Sicherungsring (11) (Lieferumfang) montieren.
- Kickstarterfeder (10) (Lieferumfang) montieren.

HINWEIS:

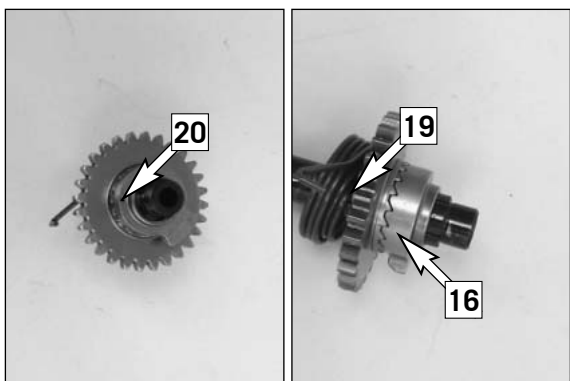
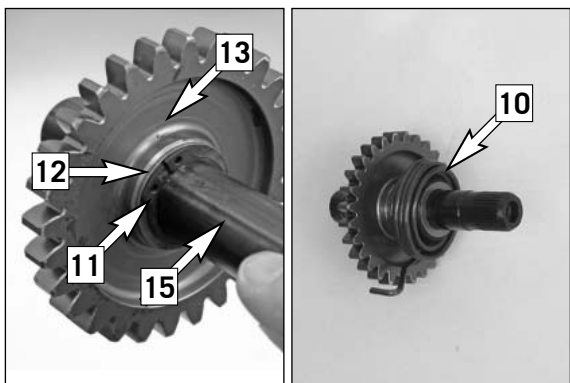
Das Ende der Kickstarterfeder (10) (Lieferumfang) muss in die Bohrung (19) eingreifen.

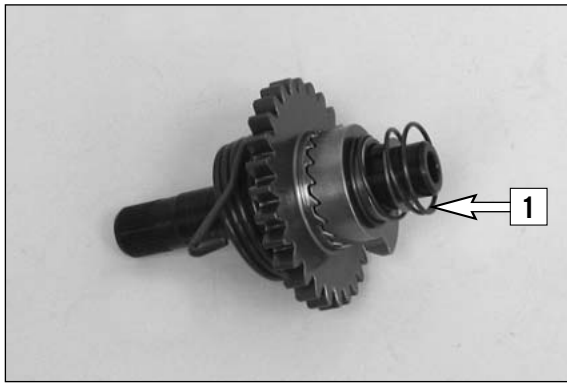
- Mitnehmernabe (9) (Lieferumfang) und Anlaufscheibe (8) (Lieferumfang) montieren.

- Kickstartersperrrad (16) (Lieferumfang) montieren.

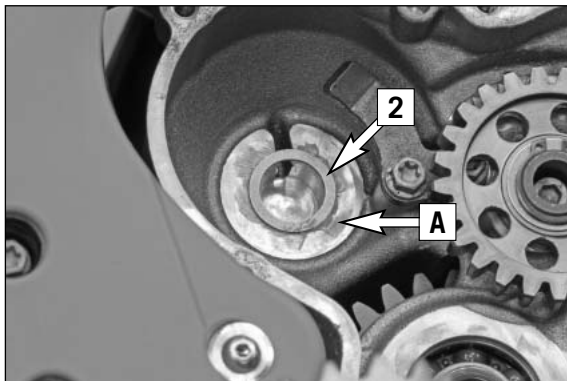
HINWEIS:

Die Markierung (20) muss bündig zur Bohrung (19) stehen.

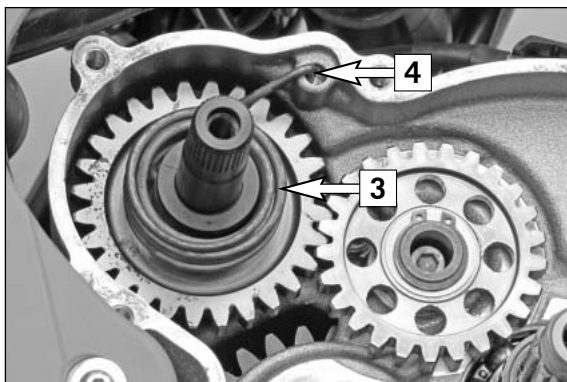




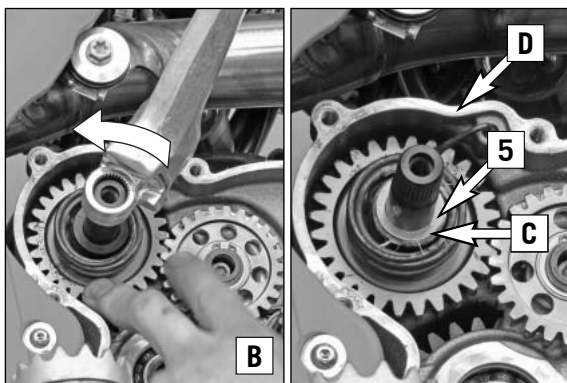
- Sperrradfeder 1,4mm (1) (Lieferumfang) montieren.



- Etwas Fett auf die Position (A) auftragen.
- Passscheibe DIN0988-16X22X01 (2) (Lieferumfang) montieren.



- Vormontierte Kickstarterwelle einsetzen und Kickstarterfeder (3) (Lieferumfang) in die Bohrung (4) einhängen.

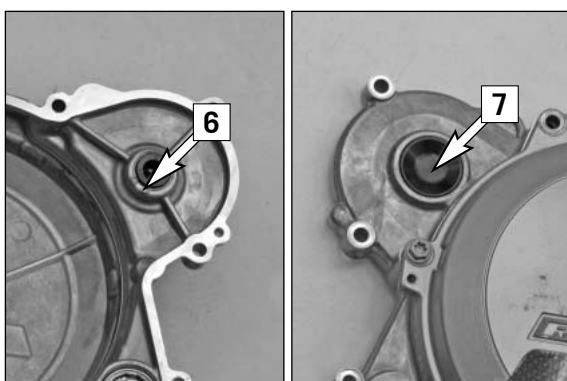


- Kickstarterhebel aufsetzen und Funktion der Welle überprüfen (Bild B).

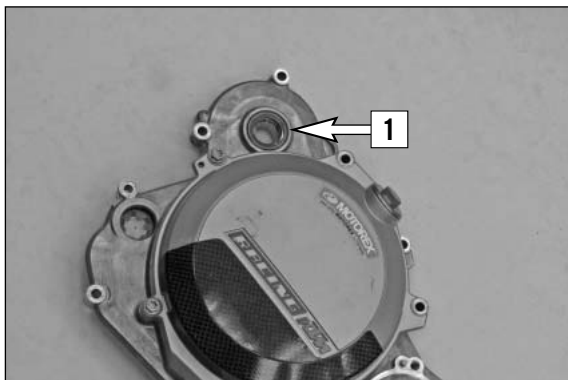
! VORSICHT

Zahnräder halten, damit diese sich beim Drehen des Kickstarters nicht aus der Verankerung lösen.

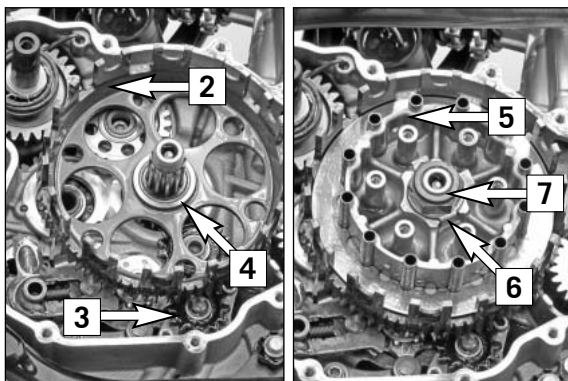
- Kickstarterhebel wieder demontieren.
- Etwas Fett auf die Position (C) auftragen und die Anlaufscheibe 17,2x24x1 (5) (Lieferumfang) positionieren.
- Dichtfläche (D) gründlich säubern.



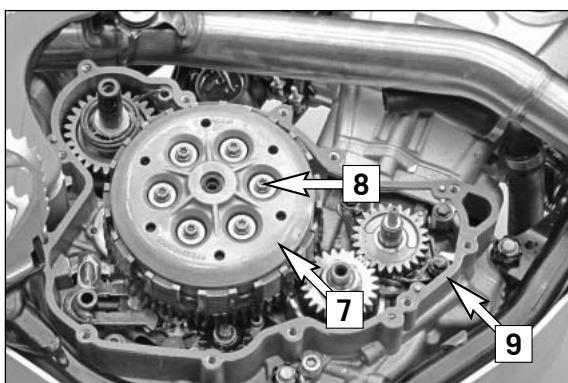
- Sicherungsring (6) demontieren und Deckel (7) entfernen.



- Wellendichtring 17x28x7 (1) (Lieferumfang) einpressen und Wellendichtring einfetten.



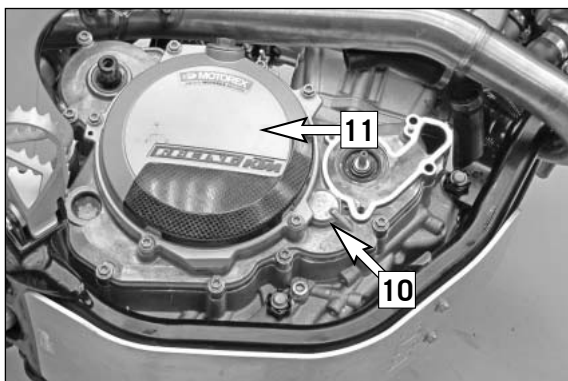
- Kupplungskorb (2) auf die Getriebeantriebswelle schieben. Ölpumpenrad (3) drehen, bis die Verzahnung des Kupplungskorbs eingreift.
- Anlaufscheibe (4) und Kupplungsmitnehmer (5) aufschieben.
- Neues Sicherungsblech (6) (Lieferumfang) positionieren und Mutter (7) montieren. Kupplungsmitnehmer (5) mit Spezialwerkzeug 59029003100 gegenhalten und Mutter festziehen (100Nm, Loctite 243).
- Mutter mit Sicherungsblech (6) sichern.



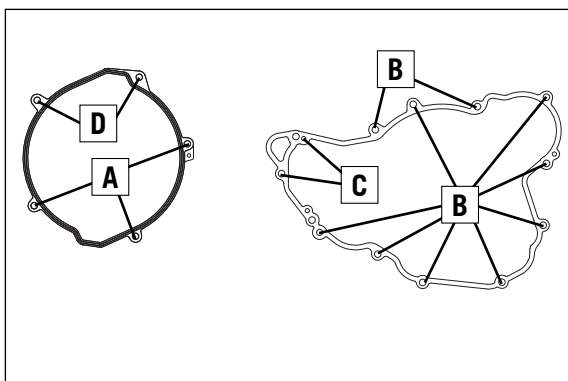
- Kupplungslamellen montieren (siehe Reparaturanleitung).
- Druckpilz montieren (siehe Reparaturanleitung).
- Druckkappe (7) positionieren und Schrauben (8) mit Federn und Scheiben montieren.

HINWEIS:
Schrauben diagonal festziehen (10Nm).

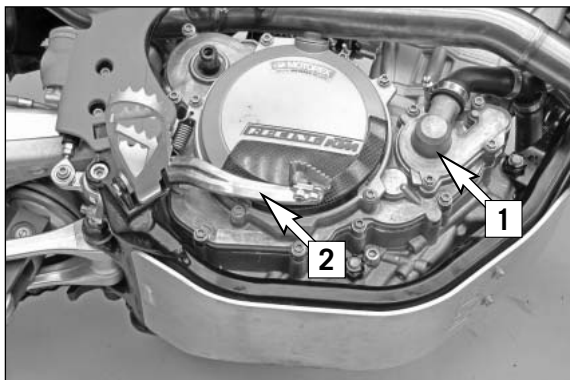
- Neue Kupplungsdeckeldichtung (9) (Lieferumfang) positionieren.



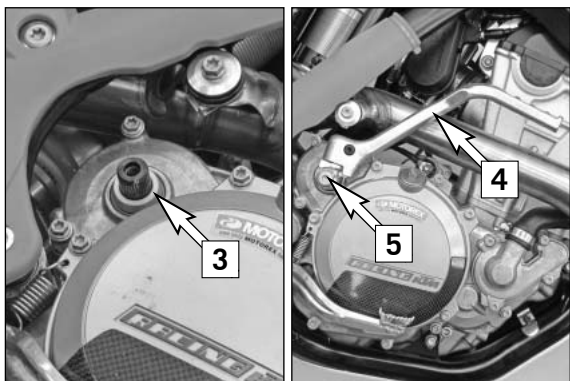
- Kupplungsdeckel (10) montieren (10Nm).
- Kupplungsaußendeckel (11) mit Dichtring montieren (10Nm).



- A 3x SK-Bundschaube M6x20 (10Nm)
- B 10x SK-Bundschaube M6x25 (10Nm)
- C 2x SK-Bundschaube M6x40 (10Nm)
- D 2x SK-Bundschaube M6x45 (10Nm)



- Wasserpumpenrad montieren (6Nm/Loctite243).
- Wasserpumpendeckel (1) mit neuer Wasserpumpendeckeldichtung (Lieferumfang) montieren (10Nm).
- Fußbremshebel (2) montieren.



- Distanzhülse (3) (Lieferumfang) positionieren.

HINWEIS:

Kleiner Durchmesser der Distanzhülse zeigt nach außen.

- Kickstarterhebel (4) (Lieferumfang) positionieren, Fassionscheibe 8mm (Lieferumfang) Schraube (5) (Lieferumfang) montieren und festziehen (25Nm, Loctite 243).

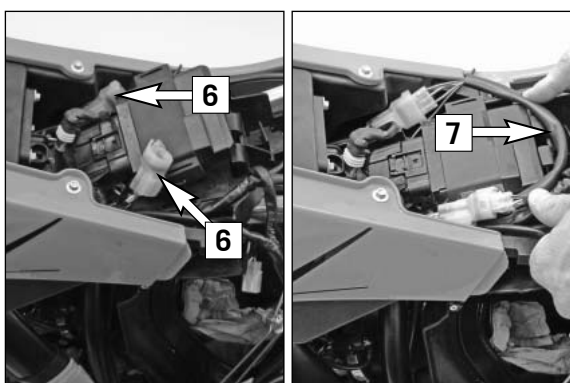


Fortsetzung Montage nur Kick-Start Kit Solo

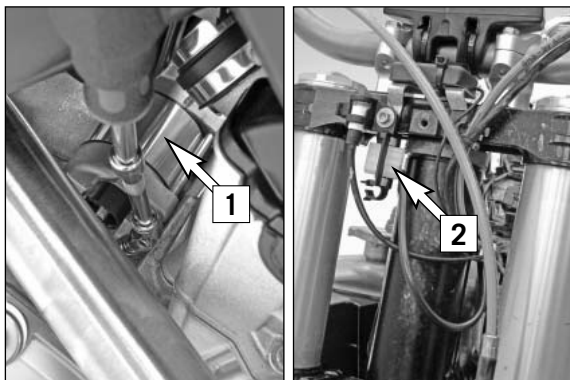
- Sitzbank demontieren.
- Filterkastendeckel demontieren.
- Luftfilter demontieren.
- Batterie abklemmen und entfernen.



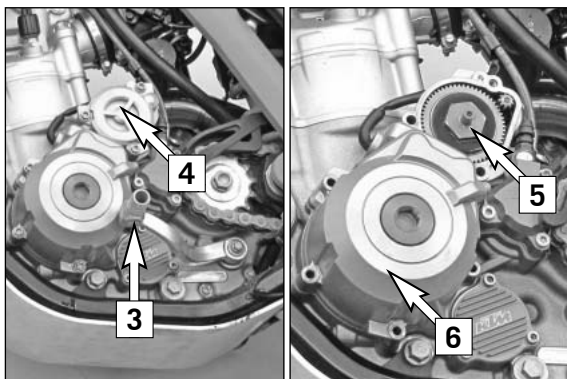
- Batteriekasten demontieren.



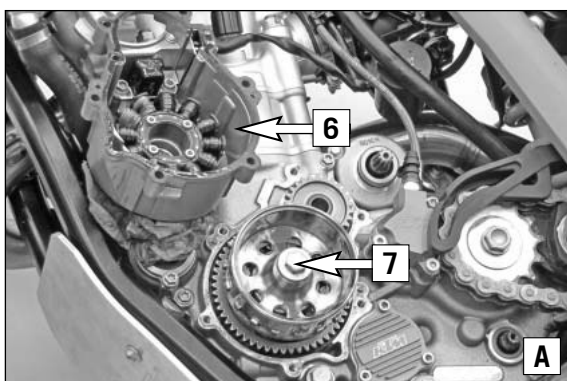
- Steckverbindungen (6) trennen und Kabelstrang Kick-Start (7) (Lieferumfang) montieren.



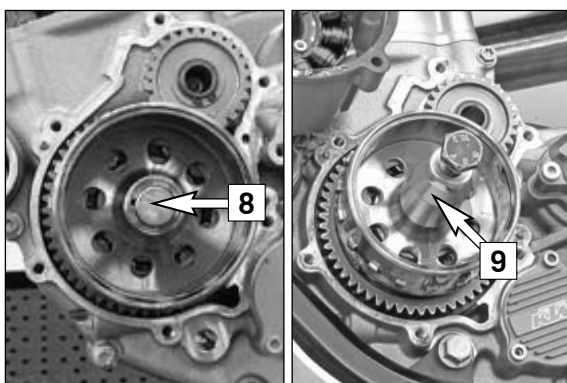
- Starterkabel vom E-Startermotor (1) demontieren.
- E-Startermotor (1) demontieren.
- Startnummerntafel demontieren, Steckerverbindung (2) trennen und Startknopf am Lenker demontieren.
- Startnummerntafel montieren.
- Kabelbaum entfernen.



- Schalthebel (3) demontieren.
- Deckel Drehmomentbegrenzer (4) demontieren.
- Drehmomentbegrenzer (5) demontieren.

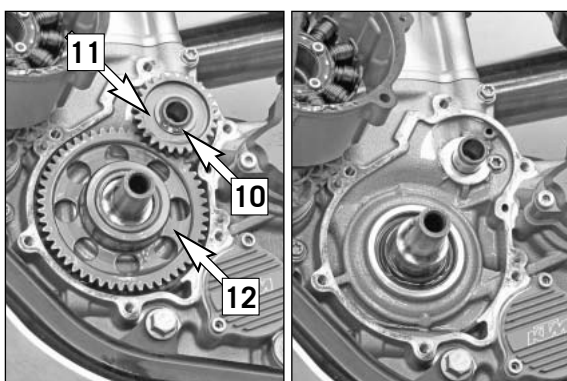


- Schrauben des Zündungsdeckel (6) entfernen und Zündungsdeckel zur Seite legen (Bild A).
- Rotorschraube (7) entfernen.

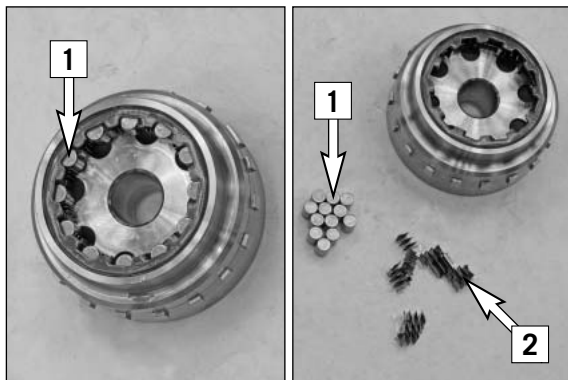


- Spezialwerkzeug (8) (Schutzkappe für Kurbelwelle 75029090000) aufsetzen.
- Spezialwerkzeug (9) (Abzieher 58012009000) am Rotor anbringen.
- Spezialwerkzeug gegenhalten und Rotor durch Eindrehen der Schraube abziehen.

HINWEIS:
Auf den Verbleib der Scheibenfedern achten.



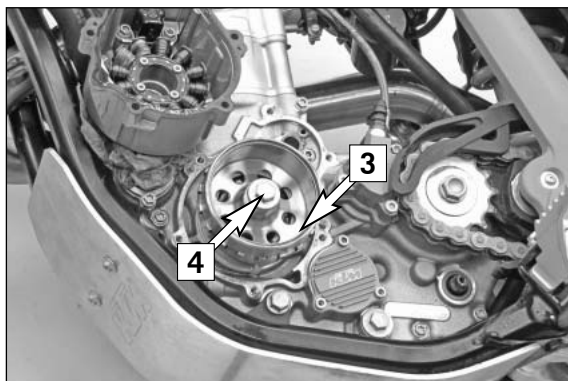
- Sicherungsring (10) demontieren, Anlaufscheibe und Starterzwischenrad (11) abnehmen.
- Freilaufzahnrad (12) entfernen.



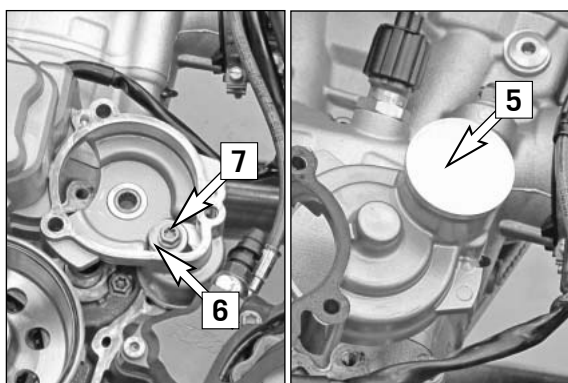
- Nadeln **(1)** und Federn **(2)** aus dem Rotor demontieren.

HINWEIS:

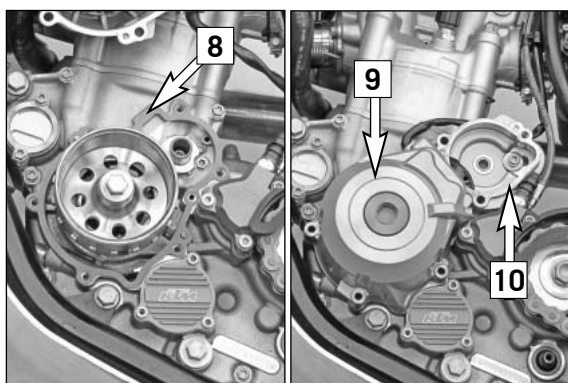
Nadeln und Federn gut aufbewahren, für den Fall des Rückbaus auf E-Start.



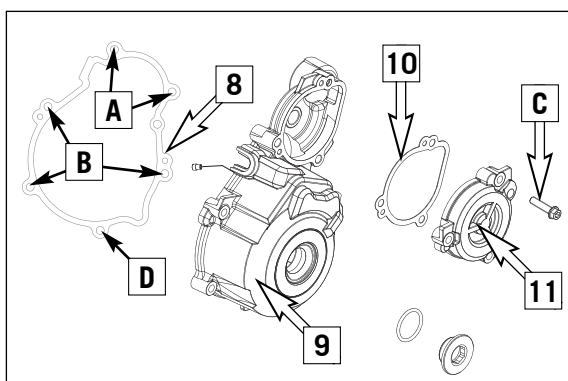
- Rotor **(3)** positionieren.
- Rotorschraube **(4)** montieren (70Nm).



- O-Ring 25x3 NBR70 (Lieferumfang) in die Nut auf den Deckel E-Startmotor **(5)** (Lieferumfang) montieren.
- Deckel E-Startmotor **(5)** mit Scheibe 6,4x18x1,6 **(6)** und SK-Bundschaube M6x8 **(7)** (Lieferumfang) montieren (10Nm, Loctite243).



- Neue Zündungsdeckeldichtung **(8)** (Lieferumfang) verwenden und Zündungsdeckel **(9)** positionieren.
- Neue Dichtung Drehmomentbegrenzer **(10)** (Lieferumfang) verwenden und den Deckel Drehmomentbegrenzer **(11)** positionieren.



- Sämtliche Schrauben des Zündungsdeckel und des Deckel Drehmomentbegrenzer einsetzen und festziehen.

A 2x SK-Bundschaube M6x50 (10Nm)

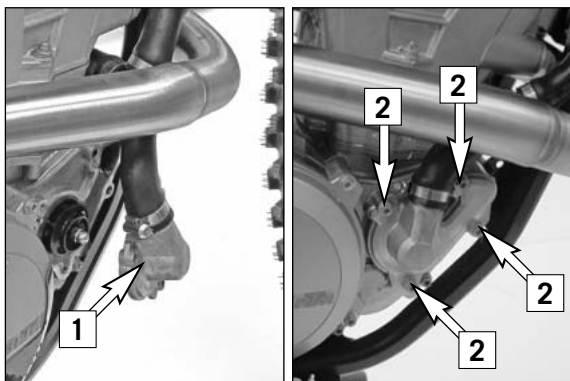
B 3x SK-Bundschaube M6x30 (10Nm)

C 1x SK-Bundschaube M6x25 (10Nm)

D 1x SK-Bundschaube M6x40 (10Nm)

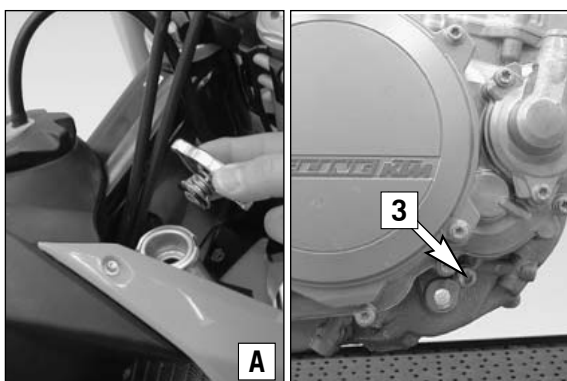
Nacharbeiten nur Kick-Start Kit Solo

- Luftfilter montieren.
- Filterkastendeckel montieren.
- Sitzbank montieren.



Nacharbeiten Kick-Start Kit Kombi und Solo

- Wasserpumpendeckel (1) positionieren und Schrauben (2) wieder montieren (10Nm).



- Kühlwasser auffüllen (Bild A) (siehe Bedienungsanleitung).
- Schraube (3) demontieren und Schraube mit Scheibe wieder montieren.

! VORSICHT

Sämtliche Bedienelemente auf einwandfreie Funktion prüfen.
Ölstand kontrollieren.



77212945044

Scope of supply: Kick-Start Kit Kombi 77212945044:

1x intermediate kick starter gear, compl.	77233053000
1x thrust washer DIN0988-17X24X0.5	0988172405
2x lock rings DIN0471-17X1	0471170010
1x thrust washer DIN0988-16X22X01	0988162210
1x ratchet wheel spring 1.4mm	50333056000
1x kick starter ratchet wheel	50333052000
1x kick starter shaft	77033050000
3x stop disks 17.2x24x1	50333030000
1x starter wheel 28 teeth	77033051000
1x driving hub	77033055000
1x kick starter spring	77033054000
1x shaft seal ring 17x28x7	0760172870
1x stop plate 4mm	50333069000
2x HH collar screws M6x16 ISA30	0025060166
1x distance sleeve 16x23x26x6.1	50333038100
1x kick starter lever compl.	77133070144
1x special washer 8mm zinc plated	54633037000
1x countersunk screw ISR45 M8x20 10.9	0019080206S
1x clutch cover gasket	77230025000
1x water pump cover seal	77235053000
1x lock washer	77232018000



77212945244

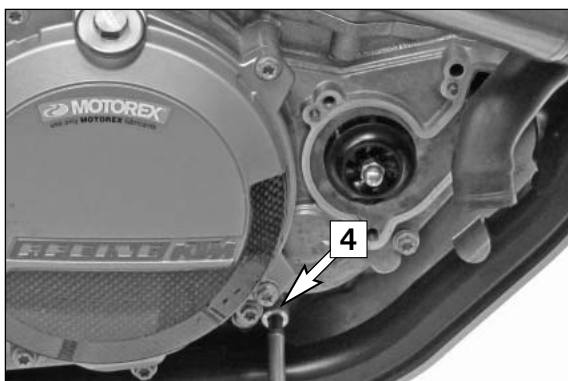
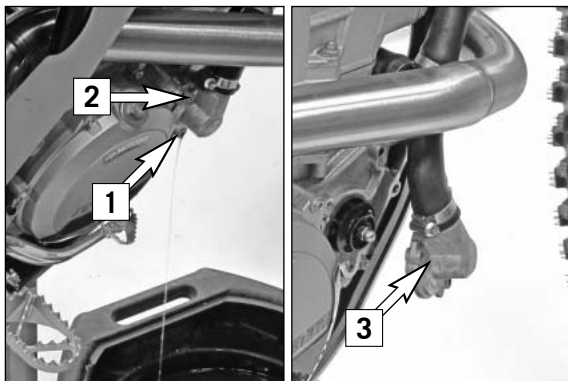
Scope of supply: Kick-Start Kit Solo 77212945244:

1x Kick-Start Kit Kombi	77212945044
1x Kick-Start Kit parts	77212945144
1x O-ring 25x3 NBR70	0770250030
1x ignition cover gasket	77530040000
1x torque limiter gasket	77240043000
1x HH collar screw M6x8	0025060086
1x Kick-Start wiring harness	77111185000
1x washer 6.4x18x1.6mm	0021060003
1x starter cover (ignition cover)	77040901010

⚠ WARNING
 This work should be performed by an authorized workshop or a qualified service technician only!

Preparations

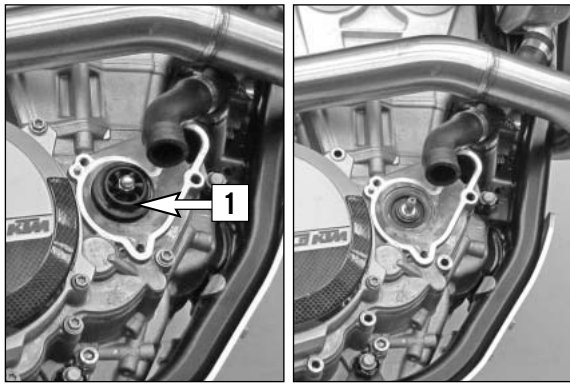
- Remove the screw (1) and drain the cooling water.
- Remove the screw (2) and move the water pump cover (3) aside.



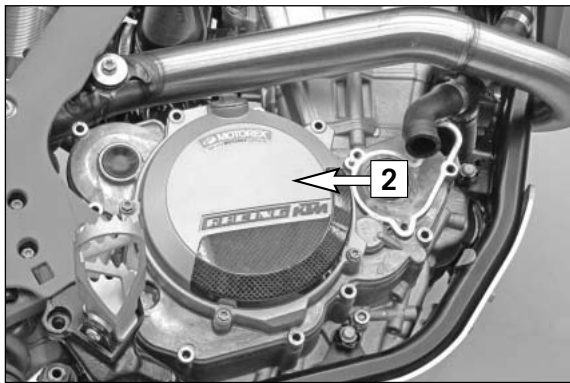
- Dismantle the foot brake lever.
- Remove the screw (4) and washer.
- Set the engine to ignition top dead center and mount the screw again without the washer.

NOTE:
 Before the screw (4) is mounted again, check through the hole whether the position notch of the crankshaft is visible.

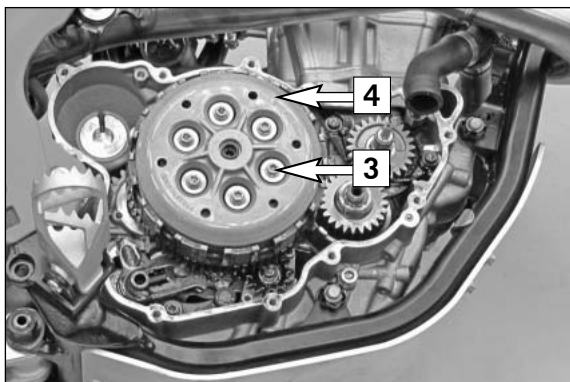
- Lay the motorcycle on its side.



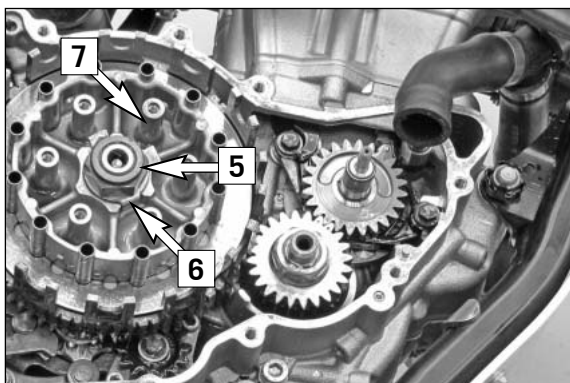
- Remove nut M6 and pull off the water pump impeller (1).



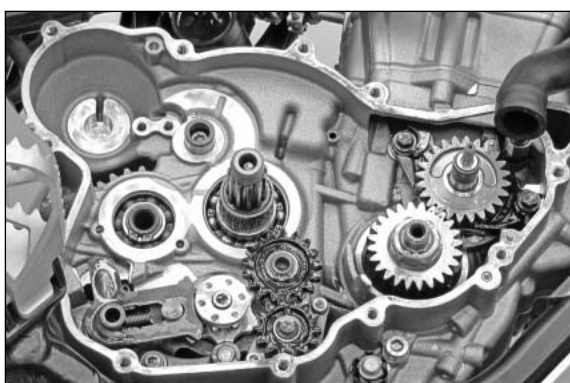
- Remove the clutch cover (2).



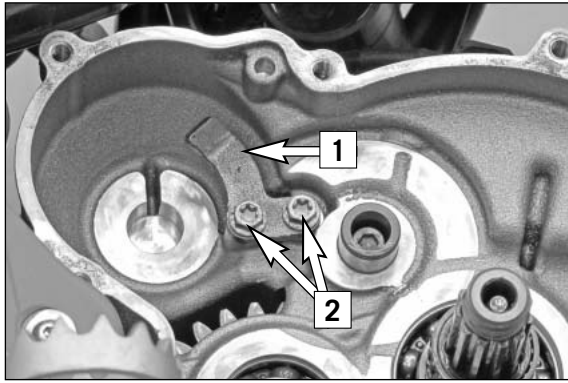
- Remove the six clutch springs (3) and the pressure cap (4).



- Mount the special tool (clutch holder **59029003100**) on the outer clutch hub and remove the nut (5) and lock washer (6).



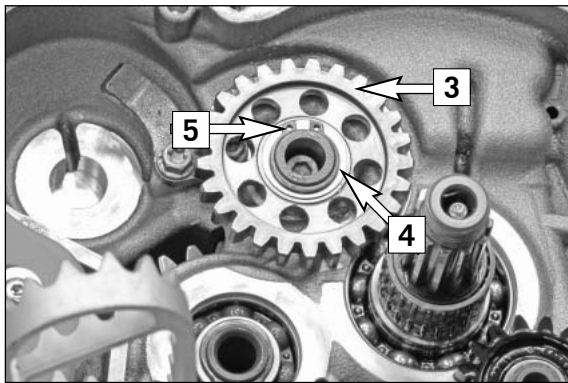
- Pull off the outer clutch hub (7).



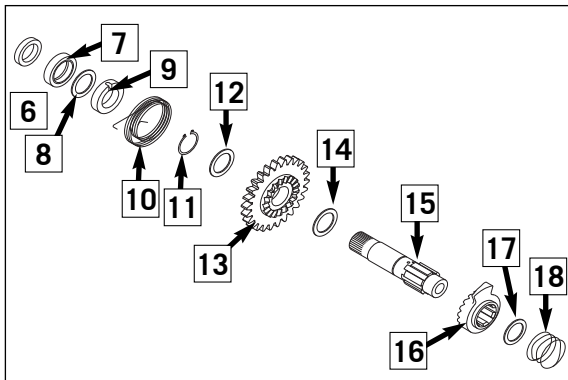
ASSEMBLY

Mounting the Kick-Start Kit Kombi and Solo

- Mount the stop plate **(1)** (included) with the HH collar screws M6x16 **(2)** (included) (10Nm, Loctite 243).



- Position the Kick-Start idler **(3)** (included).
- Mount the thrust washer 17x24x0.5 **(4)** (included) and secure with the lock ring DIN0471-17X1 **(5)** (included).



Premounting the kick starter shaft (all parts included)

- | | |
|-----------|--------------------------------|
| 6 | Distance sleeve 16x23x26x6.1 |
| 7 | Shaft seal ring 17x28x7 |
| 8 | Stop disk 17.2x24x1 |
| 9 | Driving hub |
| 10 | Kick starter spring |
| 11 | Lock ring DIN0471-17X1 |
| 12 | Stop disk 17.2x24x1 |
| 13 | Starter wheel 28 teeth |
| 14 | Stop disk 17.2x24x1 |
| 15 | Kick starter shaft |
| 16 | Kick starter ratchet wheel |
| 17 | Thrust washer DIN0988-16X22X01 |
| 18 | Ratchet wheel spring 1.4mm |

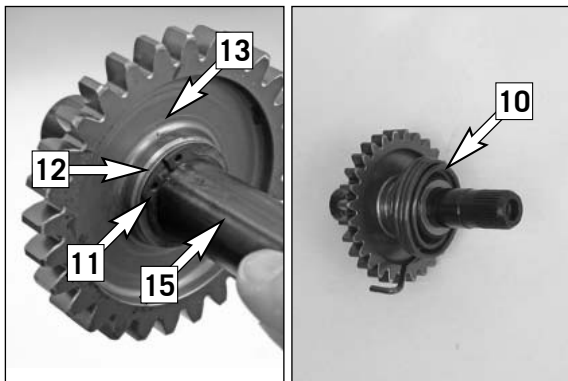
Assembly order:

- Mount the stop disk **(12)** (included), starter wheel **(13)** (included) and stop disk **(14)** (included) on the kick starter shaft **(15)** (included).
- Mount the lock ring **(11)** (included).
- Mount the kick starter spring **(10)** (included).

NOTE:

The end of the kick starter spring **(10)** (included) must engage in the hole **(19)**.

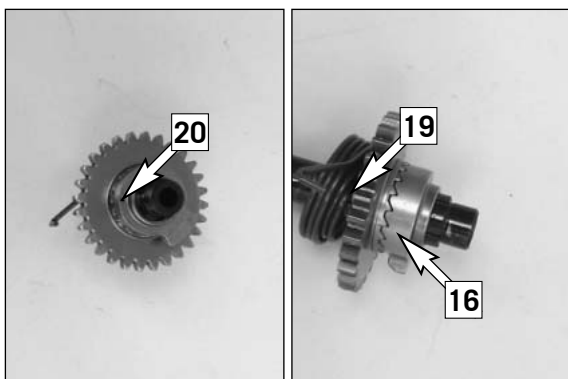
- Mount the driving hub **(9)** (included) and stop disk **(8)** (included).

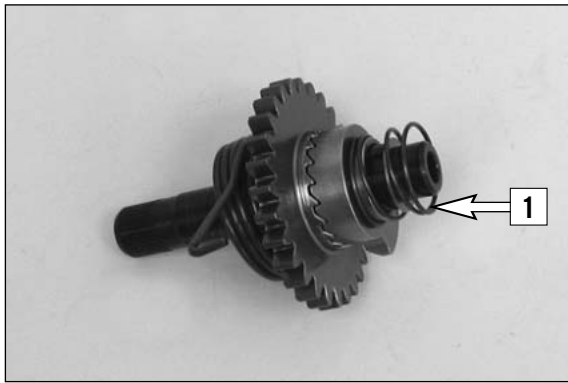


- Mount the kick starter ratchet wheel **(16)** (included).

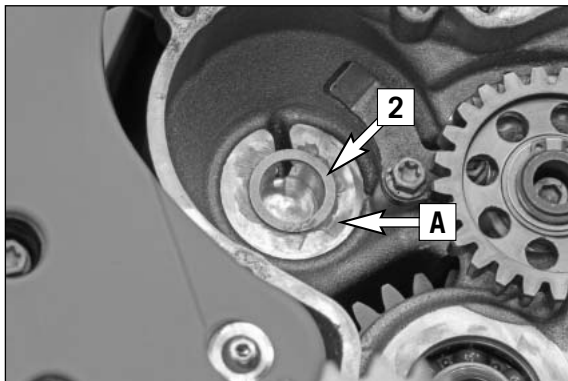
NOTE:

The marking **(20)** must be aligned with the hole **(19)**.

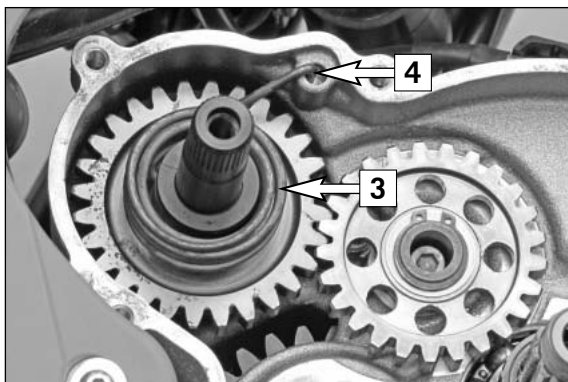




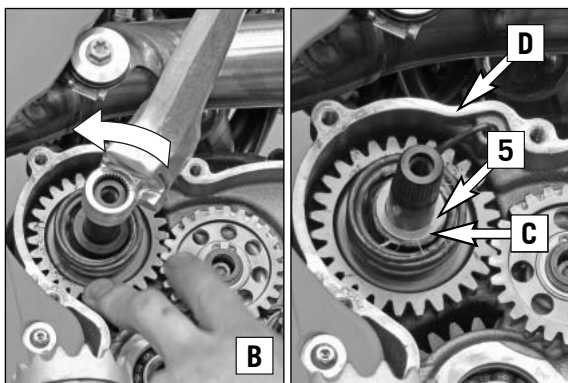
- Mount the ratchet wheel spring 1.4mm (1) (included).



- Apply a small amount of grease to position (A).
- Mount the thrust washer DIN0988-16X22X01 (2) (included).



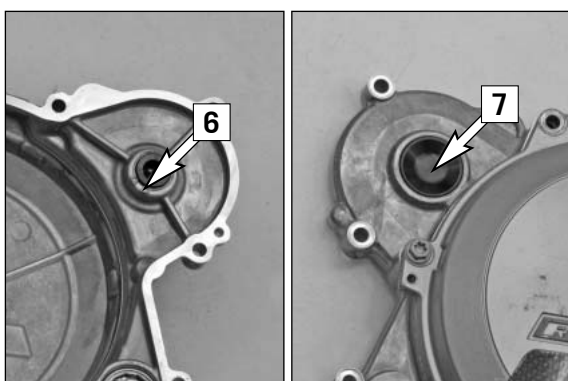
- Insert the premounted kick starter shaft and hook the kick starter spring (3) (included) into the hole (4).



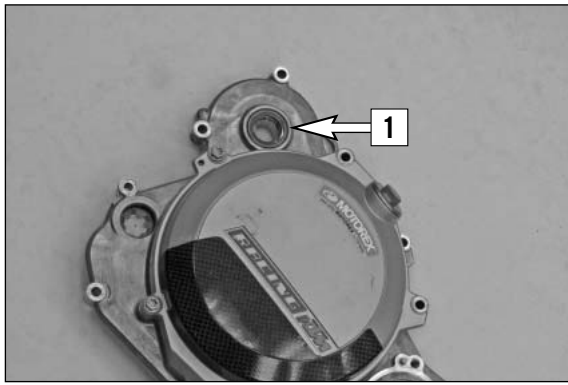
- Mount the kick starter lever and check the function of the shaft (Figure B).

! CAUTION
 Hold the gear wheels to prevent them from disengaging from their mounting when the kick starter is turned.

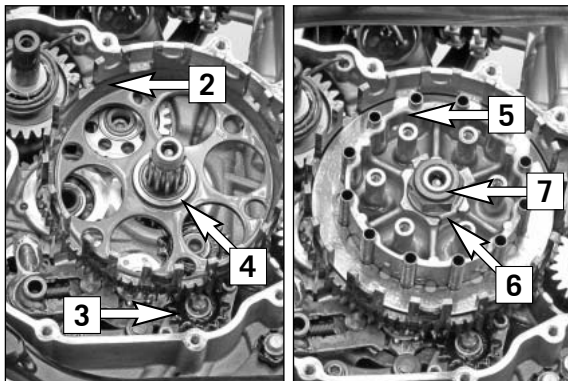
- Remove the kick starter lever again.
- Apply a small amount of grease to position (C) and position the stop disk 17.2x24x1 (5) (included).
- Thoroughly clean the sealing area (D).



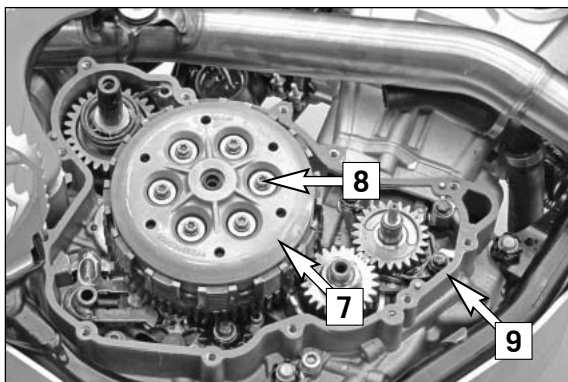
- Remove the lock ring (6) and take off the cover (7).



- Press in the shaft seal ring 17x28x7 (1) (included) and grease the shaft seal ring.



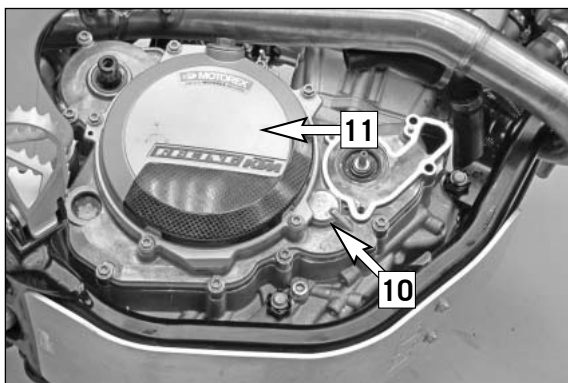
- Slide the outer clutch hub (2) onto the gearbox main shaft. Turn the oil pump gear (3) until the gearing of the outer clutch hub engages.
- Slide on the stop disk (4) and inner clutch hub (5).
- Position the new lock washer (6) (included) and mount the nut (7). Hold the inner clutch hub (5) using special tool 59029003100 and tighten the nut (100Nm, Loctite 243).
- Secure the nut with the lock washer (6).



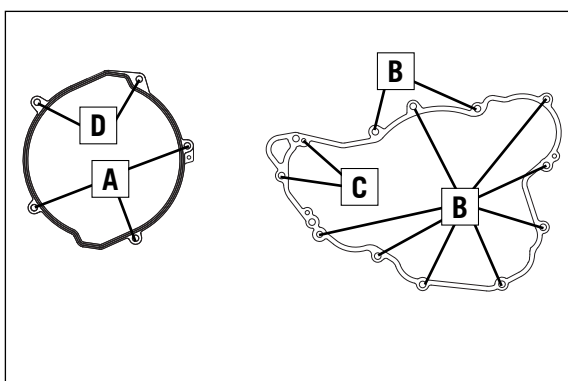
- Mount the clutch discs (see the repair manual).
- Mount the pressure piece (see the repair manual).
- Position the pressure cap (7) and mount the screws (8) with the springs and washers.

NOTE:
Tighten the screws diagonally (10Nm).

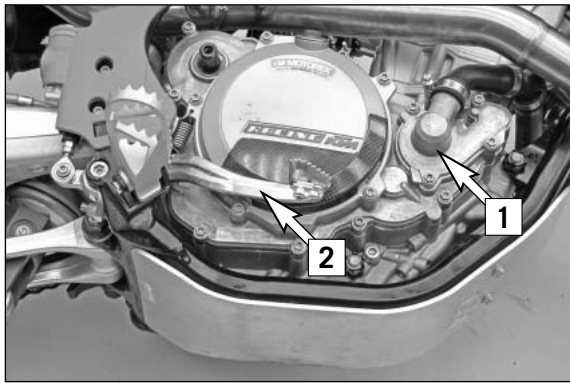
- Position the new clutch cover gasket (9) (included).



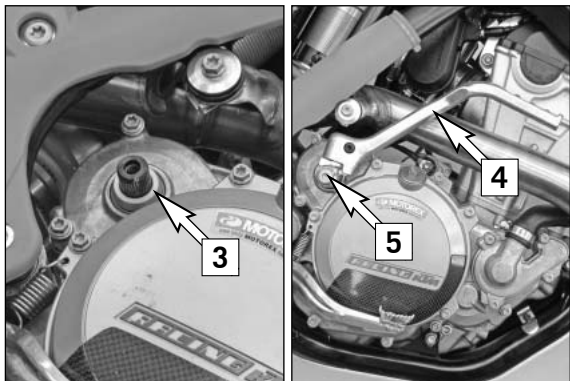
- Mount the clutch cover (10) (10 Nm).
- Mount the outer clutch cover (11) with the seal ring (10Nm).



- A 3x HH collar screws M6x20 (10Nm)
- B 10x HH collar screws M6x25 (10Nm)
- C 2x HH collar screws M6x40 (10Nm)
- D 2x HH collar screws M6x45 (10Nm)



- Mount the water pump impeller (6Nm/Loctite243).
- Mount the water pump cover (1) with the new water pump cover seal (included) (10Nm).
- Mount the foot brake lever (2).



- Position the distance sleeve (3) (included).

NOTE:

The small diameter of the distance sleeve faces outward.

- Position the kick starter lever (4) (included), mount the special washer 8mm (included) screw (5) (included) and tighten (25Nm, Loctite 243).

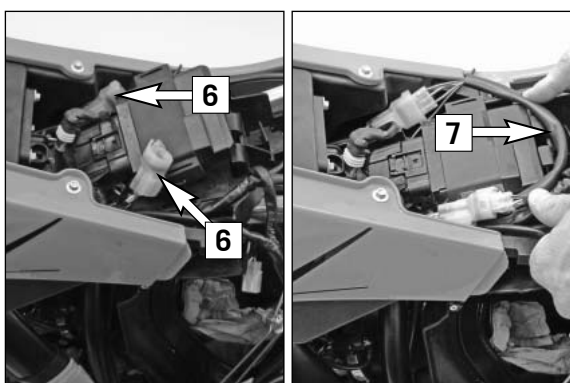


Further assembly steps for Kick-Start Kit Solo

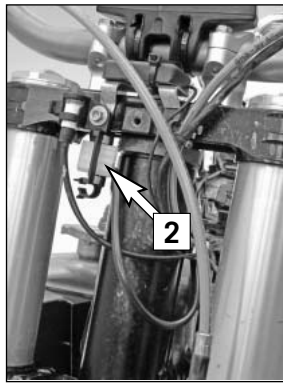
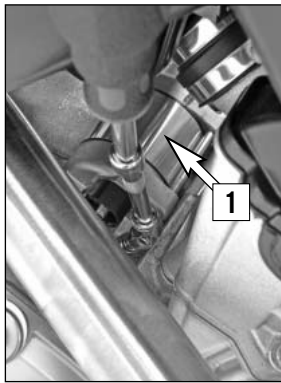
- Remove the seat.
- Remove the filter box cover.
- Remove the air filter.
- Disconnect and remove the battery.



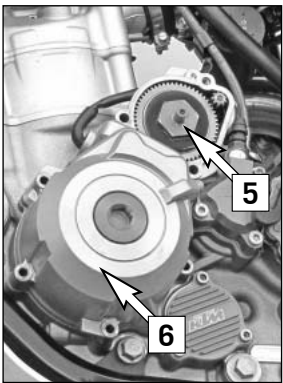
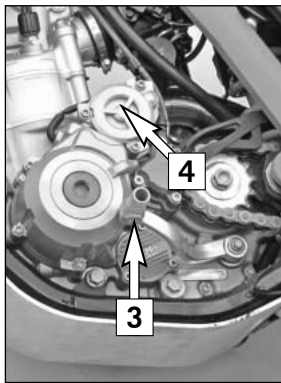
- Remove the battery box.



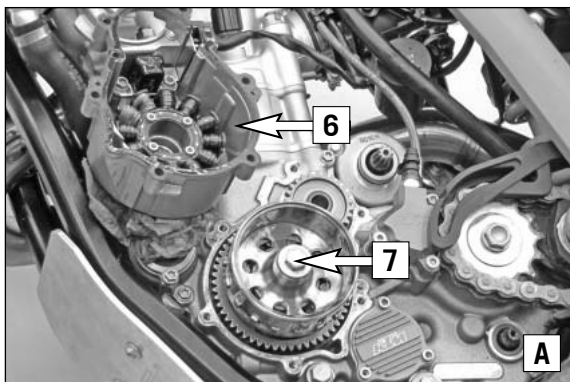
- Disconnect the plug-in connections (6) and mount the Kick-Start wiring harness (7) (included).



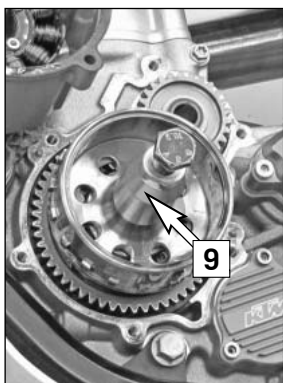
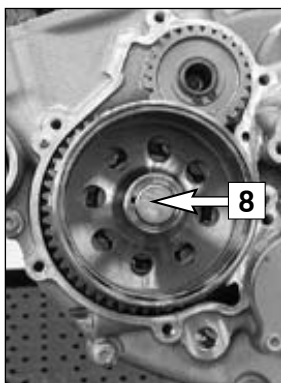
- Remove the starter cable from the starter (1).
- Remove the starter (1).
- Remove the start number plate, disconnect the plug-in connector (2) and remove the start button from the handlebar.
- Mount the start number plate.
- Remove the wiring harness.



- Remove the shift lever (3).
- Remove the torque limiter cover (4).
- Remove the torque limiter (5).

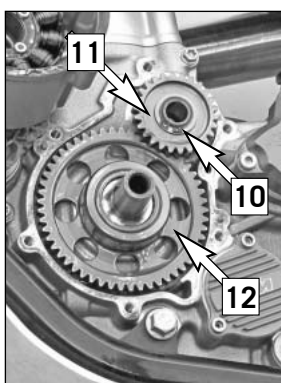


- Remove the screws of the ignition cover (6) and set the ignition cover aside (Figure A).
- Remove the rotor screw (7).

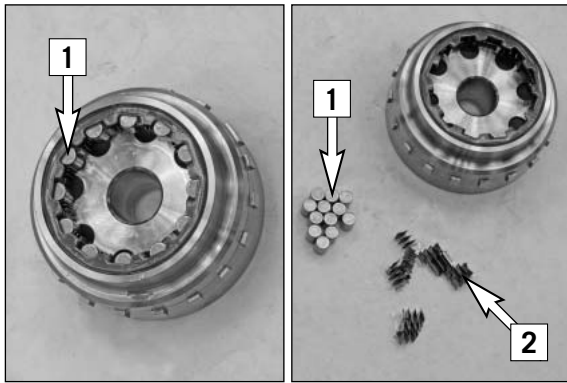


- Mount the special tool (8) (protection cap for crankshaft 75029090000).
- Attach the special tool (9) (extractor 58012009000) to the rotor.
- Hold with the special tool and pull off the rotor by turning the screw.

NOTE:
Ensure that the spring washers remain in place.



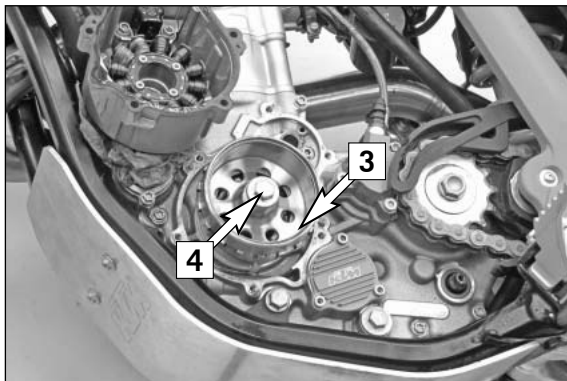
- Remove the lock ring (10) and take off the stop disk and starter idler gear (11).
- Remove the freewheel gear (12).



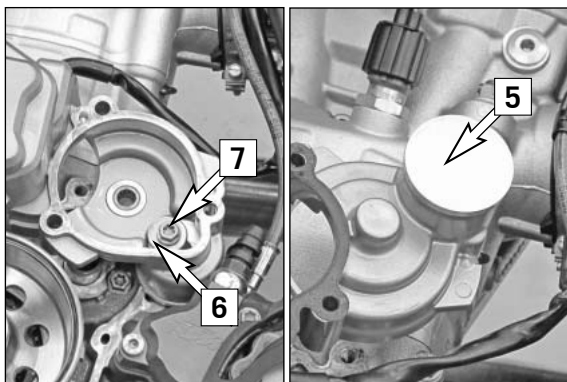
- Remove the needles (1) and springs (2).

NOTE:

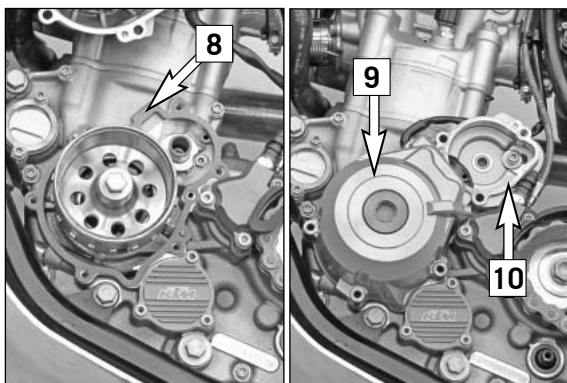
Keep the needles and springs in a safe place in case the vehicle is changed back to E-start.



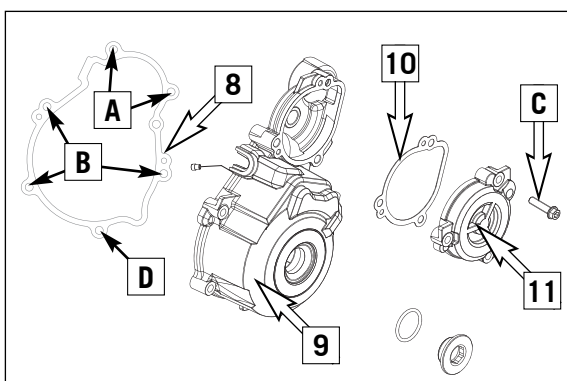
- Position the rotor (3).
- Mount the rotor screw (4) (70Nm).



- Mount the O-ring 25x3 NBR70 (included) in the groove on the starter cover (5) (included).
- Mount the starter cover (5) with washer 6.4x18x1.6 (6) and HH collar screw M6x8 (7) (included) (10Nm, Loctite243).



- Use the new ignition cover gasket (8) (included) and position the ignition cover (9).
- Use the new torque limiter gasket (10) (included) and position the torque limiter cover (11).

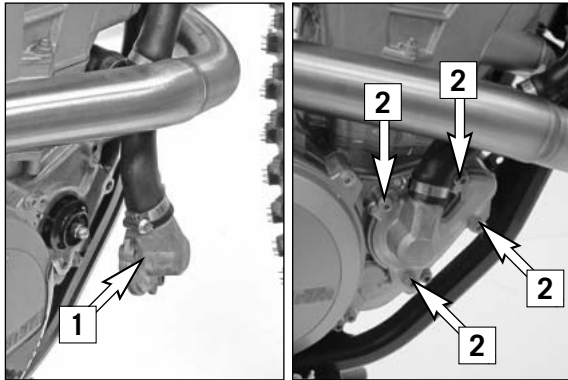


- Insert and tighten all screws of the ignition cover and torque limiter cover.

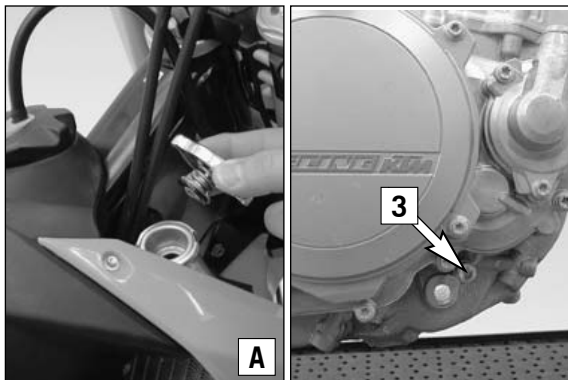
- A** 2x HH collar screws M6x50 (10Nm)
- B** 3x HH collar screws M6x30 (10Nm)
- C** 1x HH collar screw M6x25 (10Nm)
- D** 1x HH collar screw M6x40 (10Nm)

Final steps for Kick-Start Kit Solo only

- Mount the air filter.
- Mount the filter box cover.
- Mount the seat.

**Final steps for Kick-Start Kit Kombi and Solo**

- Position the water pump cover (1) and mount the screws (2) again (10Nm).



- Fill up with cooling water (Figure A) (see the Owner's Manual).

- Remove the screw (3) and mount the screw again with the washer.

! CAUTION

Check that all control elements are functioning properly.
Check the oil level.



77212945044

Volume della fornitura del kit Kick-Start Kombi 77212945044:

- | | |
|---|-------------|
| N. 1 ingranaggio intermedio del pedale di avviamento completo | 77233053000 |
| N. 1 rasamento DIN0988-17X24X0,5 | 0988172405 |
| N. 2 anelli di sicurezza DIN0471-17X1 | 0471170010 |
| N. 1 rasamento DIN0988-16X22X01 | 0988162210 |
| N. 1 molla della ruota a denti di arresto 1,4 mm | 50333056000 |
| N. 1 ruota a denti di arresto del pedale di avviamento | 50333052000 |
| N. 1 albero del pedale di avviamento | 77033050000 |
| N. 3 rondelle di spinta 17,2x24x1 | 50333030000 |
| N. 1 ingranaggio del pedale di avviamento a 28 denti | 77033051000 |
| N. 1 mozzo | 77033055000 |
| N. 1 molla del pedale di avviamento | 77033054000 |
| N. 1 paraolio 17x28x7 | 0760172870 |
| N. 1 lamierino di battuta da 4 mm | 50333069000 |
| N. 2 viti flangiate a testa esagonale M6x16 ISA30 | 0025060166 |
| N. 1 bussola distanziale 16x23x26x6,1 | 50333038100 |
| N. 1 leva del pedale di avviamento compl. | 77133070144 |
| N. 1 rondella speciale da 8 mm zincata | 54633037000 |
| N. 1 vite a testa svasata ISR45 M8x20 10.9 | 0019080206S |
| N. 1 guarnizione per il coperchio della frizione | 77230025000 |
| N. 1 guarnizione per il coperchio della pompa dell'acqua | 77235053000 |
| N. 1 rosetta di sicurezza | 77232018000 |



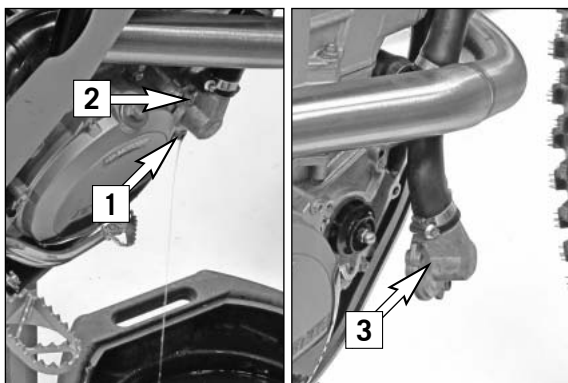
77212945244

Volume della fornitura del kit Kick-Start Solo 77212945244:

- | | |
|---|-------------|
| N. 1 kit Kick-Start Kombi | 77212945044 |
| N. 1 componenti del kit Kick-Start | 77212945144 |
| N. 1 O-ring 25x3 NBR70 | 0770250030 |
| N. 1 guarnizione per il coperchio dell'accensione | 77530040000 |
| N. 1 guarnizione per il limitatore di coppia | 77240043000 |
| N. 1 vite flangiata a testa esagonale M6x8 | 0025060086 |
| N. 1 cablaggio del Kick-Start | 77111185000 |
| N. 1 rondella 6,4x18x1, 6 mm | 0021060003 |
| N. 1 coperchio del motorino dell'avviamento elettrico (coperchio dell'accensione) | 77040901010 |

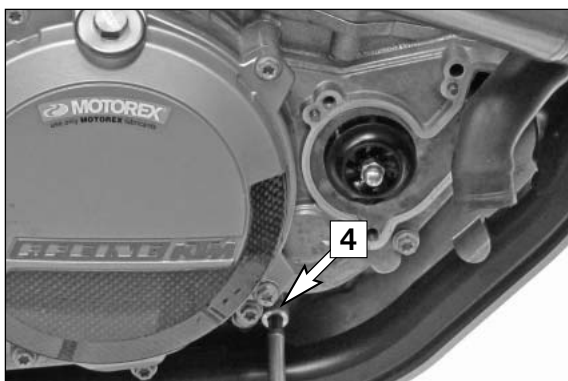
⚠ ATTENZIONE

Il montaggio deve essere effettuato esclusivamente da un'officina autorizzata o da un tecnico qualificato dell'assistenza!



Operazioni preliminari

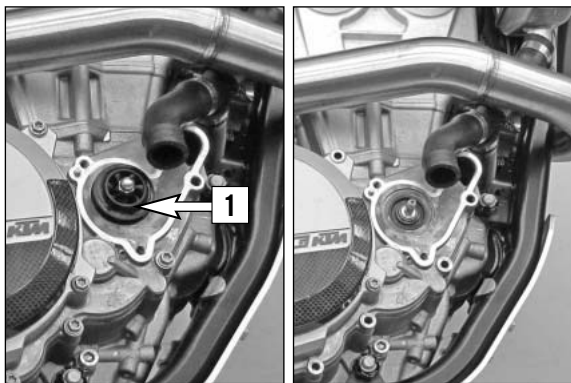
- Svitare la vite (1) e scaricare l'acqua di raffreddamento.
- Svitare la vite (2) e riporre di lato il coperchio della pompa dell'acqua (3).



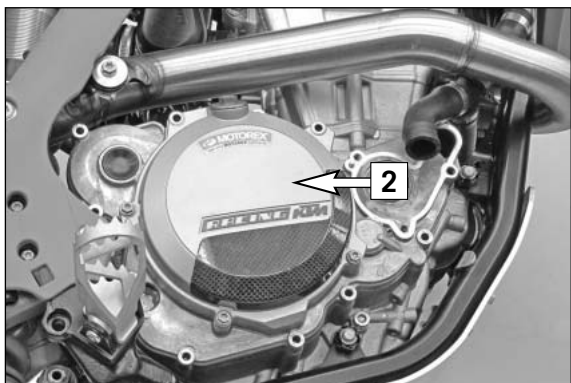
- Smontare il pedale del freno.
- Svitare la vite (4) e rimuovere la rondella.
- Portare il motore sul punto morto superiore di accensione e rimontare la vite senza rondella.

NOTA:
Prima di rimontare la vite (4), attraverso il foro controllare che sia visibile la tacca di posizione dell'albero motore.

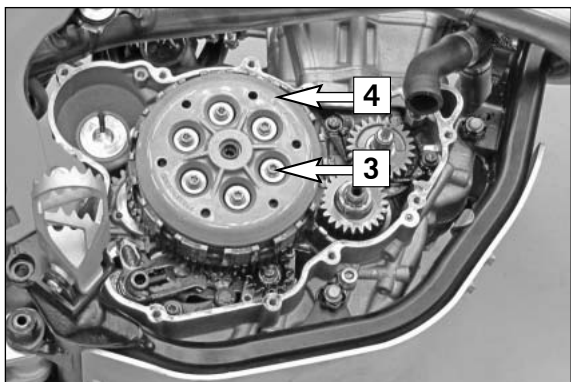
- Coricare di lato la motocicletta.



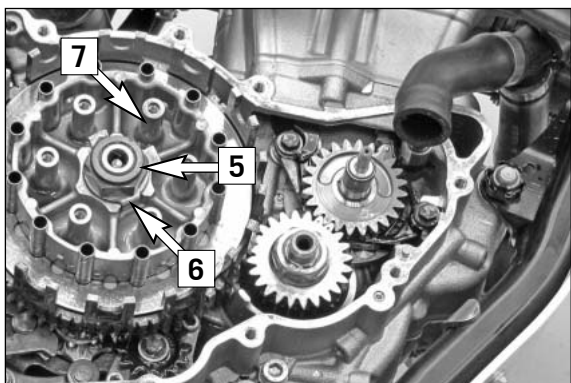
- Svitare il dado M6 ed estrarre la girante della pompa dell'acqua (1).



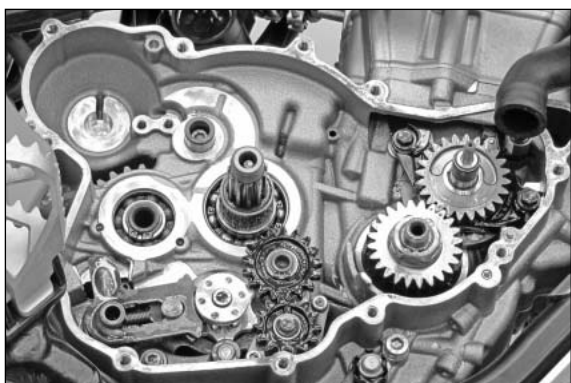
- Smontare il coperchio della frizione (2).



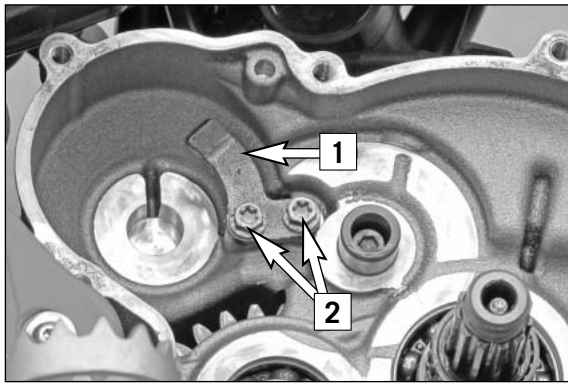
- Rimuovere le 6 molle della frizione (3) e il tappo di compressione (4).



- Applicare l'utensile speciale (fermo frizione **59029003100**) sulla campana della frizione e svitare il dado (5) e la rosetta di sicurezza (6).



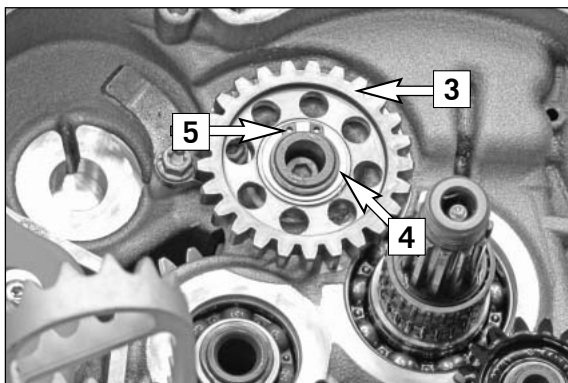
- Estrarre la campana della frizione (7).



MONTAGGIO

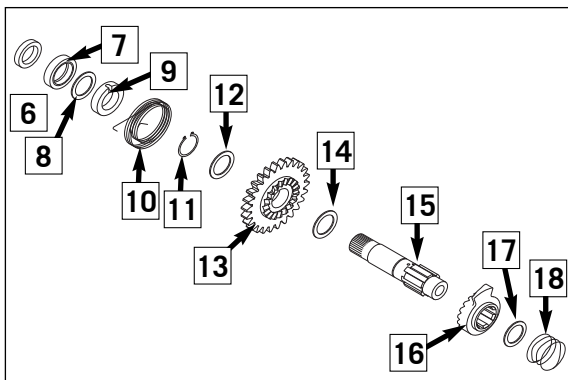
Montaggio del kit Kick-Start Kit Kombi e Solo

- Montare il lamierino di battuta **(1)** (in dotazione) con le viti flangiate a testa esagonale M6x16 **(2)** (in dotazione) (10 Nm, Loctite 243).



- Posizionare l'ingranaggio intermedio del Kick-Start **(3)** (in dotazione).

- Posizionare il rasamento 17x24x0,5 **(4)** (in dotazione) e assicurarlo con l'anello di sicurezza DIN0471-17X1 **(5)** (in dotazione).



Premontaggio dell'albero del pedale di avviamento (tutti i componenti sono forniti in dotazione)

- | | |
|-----------|---|
| 6 | Bussola distanziale 16x23x26x6,1 |
| 7 | Paraolio 17x28x7 |
| 8 | Rondella di spinta 17,2x24x1 |
| 9 | Mozzo |
| 10 | Molla del pedale di avviamento |
| 11 | Anello di sicurezza DIN0471-17X1 |
| 12 | Rondella di spinta 17,2x24x1 |
| 13 | Ingranaggio del pedale di avviamento a 28 denti |
| 14 | Rondella di spinta 17,2x24x1 |
| 15 | Albero del pedale di avviamento |
| 16 | Ruota a denti di arresto del pedale di avviamento |
| 17 | Rasamento DIN0988-16X22X01 |
| 18 | Molla della ruota a denti di arresto 1,4 mm |

Sequenza di riassettaggio:

- Montare la rondella di spinta **(12)** (in dotazione), l'ingranaggio del pedale di avviamento **(13)** (in dotazione) e la rondella di spinta **(14)** (in dotazione) sull'albero del pedale di avviamento **(15)** (in dotazione).
- Montare l'anello di sicurezza **(11)** (in dotazione).
- Montare la molla del pedale di avviamento **(10)** (in dotazione).

NOTA:

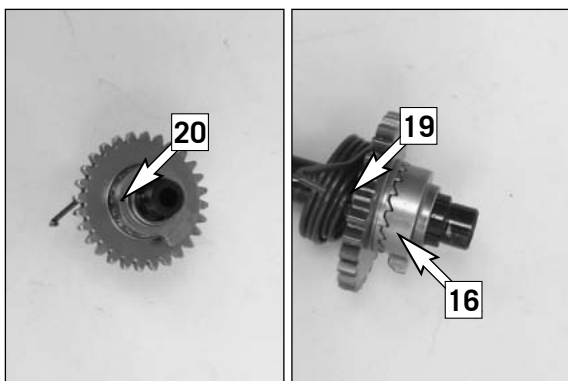
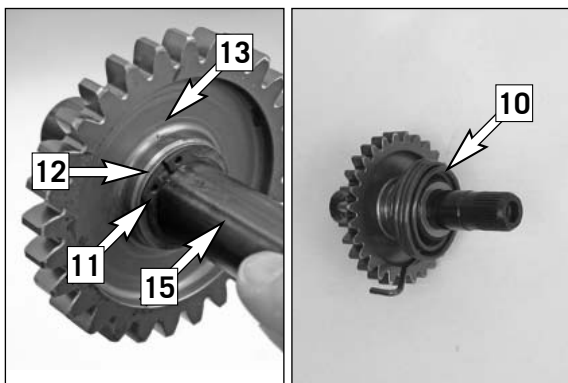
Far innestare l'estremità della molla del pedale di avviamento **(10)** (in dotazione) nel foro **(19)**.

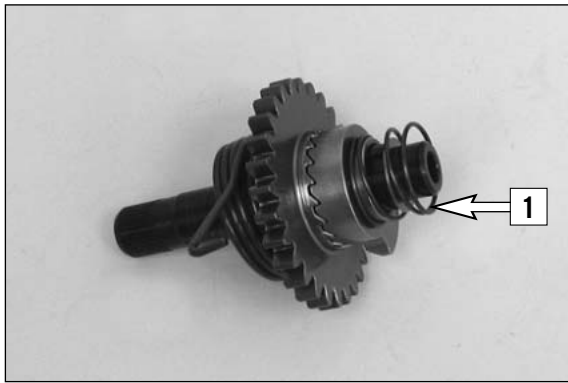
- Montare il mozzo **(9)** (in dotazione) e la rondella di spinta **(8)** (in dotazione).

- Montare la ruota a denti di arresto del pedale di avviamento **(16)** (in dotazione).

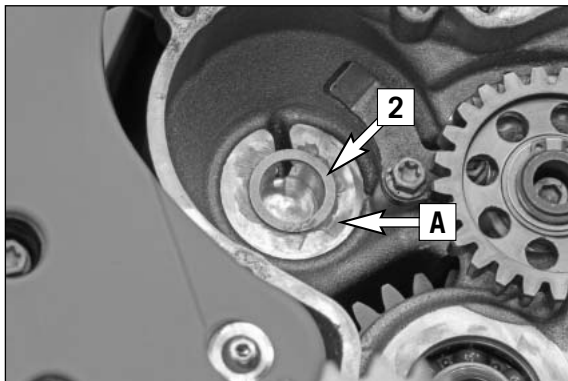
NOTA:

La marcatura **(20)** deve essere a filo con il foro **(19)**.

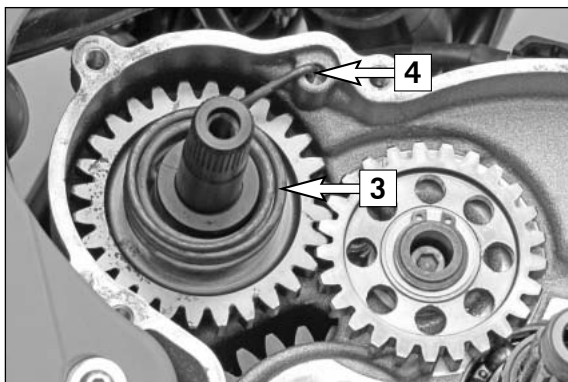




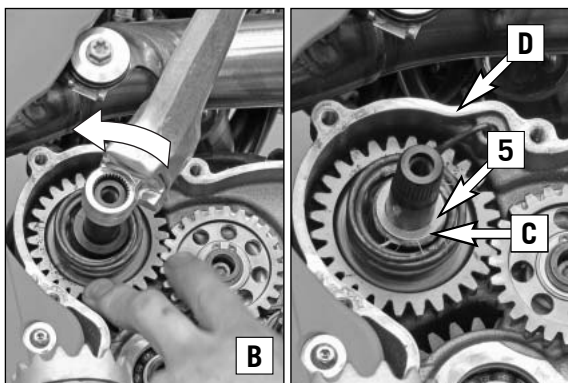
- Montare la molla della ruota a denti di arresto da 1,4 mm **(1)** (in dotazione).



- Applicare un sottile strato di grasso sulla posizione **(A)**.
- Montare il rasamento DIN0988-16X22X01 **(2)** (in dotazione).



- Posizionare l'albero del pedale di avviamento premontato e la molla del pedale di avviamento **(3)** (in dotazione) nel foro **(4)**.

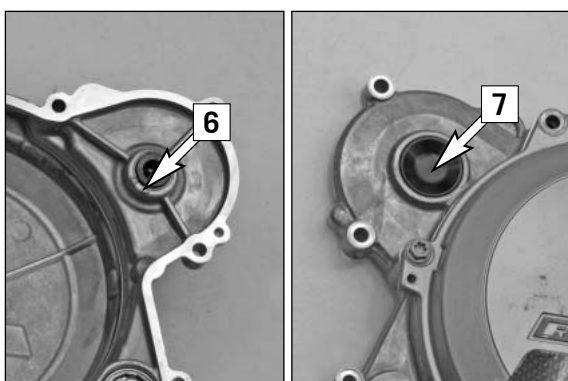


- Montare la leva del pedale di avviamento e controllare il funzionamento dell'albero (figura **B**).

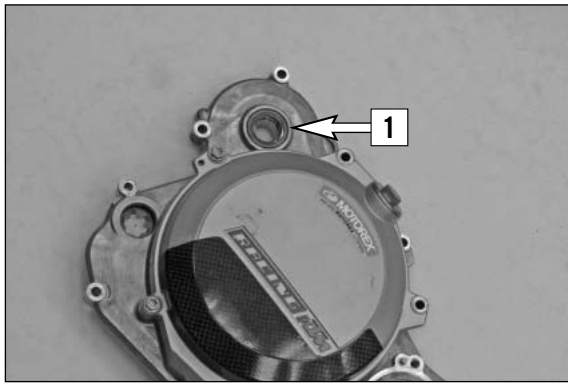
! AVVERTIMENTO

Tenere fermi gli ingranaggi, in modo che nel ruotare il pedale di avviamento questi non si staccino dal loro punto di ancoraggio.

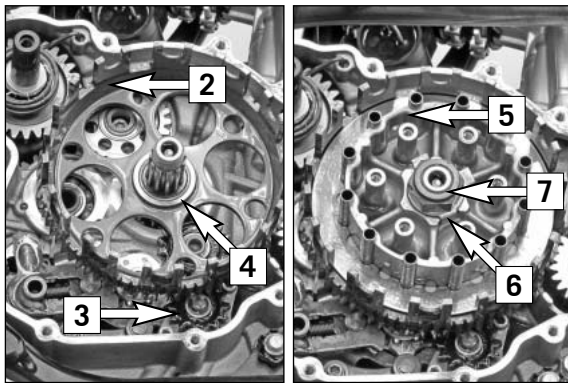
- Smontare nuovamente la leva del pedale di avviamento.
- Applicare un leggero strato di grasso sulla posizione **(C)** e posizionare la rondella di spinta 17,2x24x1 **(5)** (in dotazione).
- Pulire a fondo la superficie di tenuta **(D)**.



- Smontare l'anello di sicurezza **(6)** e rimuovere il coperchio **(7)**.



- Inserire il paraolio 17x28x7 (1) (in dotazione) e lubrificarlo.

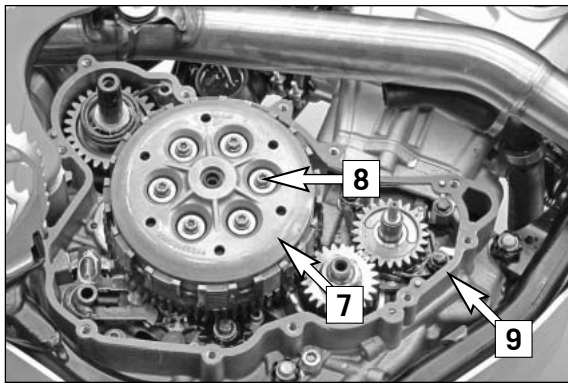


- Spingere la campana della frizione (2) sull'albero primario del cambio. Ruotare l'ingranaggio della pompa dell'olio (3) fino a far ingranare la dentatura della campana della frizione.

- Inserire la rondella di spinta (4) e il mozzo della frizione (5).

- Posizionare la nuova rosetta di sicurezza (6) (in dotazione) e montare il dado (7). Bloccare il mozzo della frizione (5) con l'utensile speciale 59029003100 e serrare il dado (100 Nm, Loctite 243).

- Assicurare il dado con la rosetta di sicurezza (6).



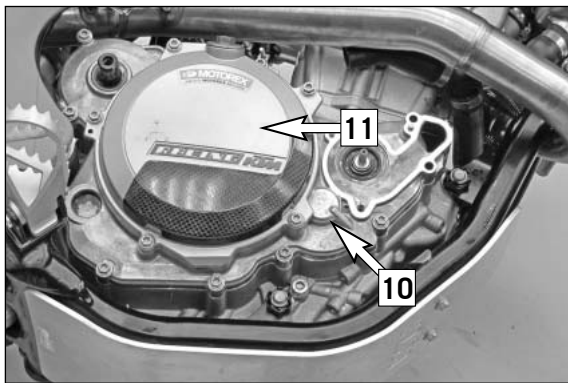
- Montare i dischi della frizione (vedere il manuale di riparazione).

- Montare il cuscinetto reggispinta (vedere il manuale di riparazione).

- Posizionare il tappo di compressione (7) e montare le viti (8) con le molle e le rondelle.

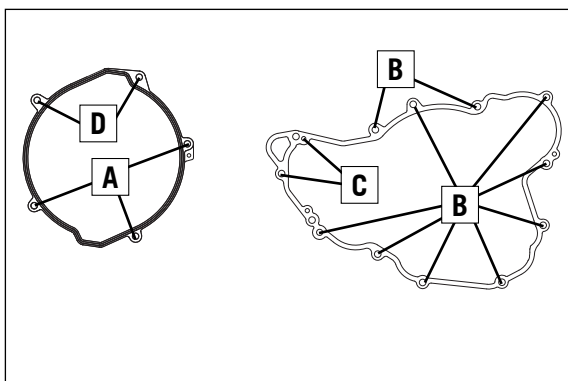
NOTA:
Serrare le viti in diagonale (10 Nm).

- Posizionare la nuova guarnizione del coperchio della frizione (9) (in dotazione).

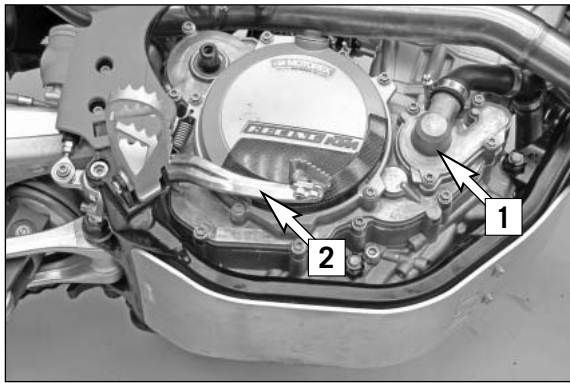


- Montare il coperchio della frizione (10) (10 Nm).

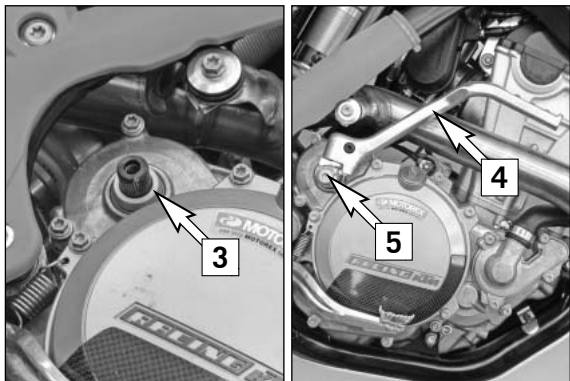
- Montare il coperchio esterno della frizione (11) con l'anello di tenuta (10 Nm).



- A N. 3 viti flangiate a testa esagonale M6x20 (10 Nm)
- B N. 10 viti flangiate a testa esagonale M6x25 (10 Nm)
- C N. 2 viti flangiate a testa esagonale M6x40 (10 Nm)
- D N. 2 viti flangiate a testa esagonale M6x45 (10 Nm)



- Montare la girante della pompa dell'acqua (6 Nm/Loctite 243).
- Montare il coperchio della pompa dell'acqua **(1)** con la nuova guarnizione (in dotazione) (10 Nm).
- Montare il pedale del freno **(2)**.



- Posizionare la bussola distanziale **(3)** (in dotazione).

NOTA:

Il diametro piccolo della bussola distanziale è rivolto all'esterno.

- Posizionare la leva del pedale di avviamento **(4)** (in dotazione), inserire e serrare la rondella speciale da 8 mm (in dotazione) e la vite **(5)** (in dotazione) (25 Nm, Loctite 243).

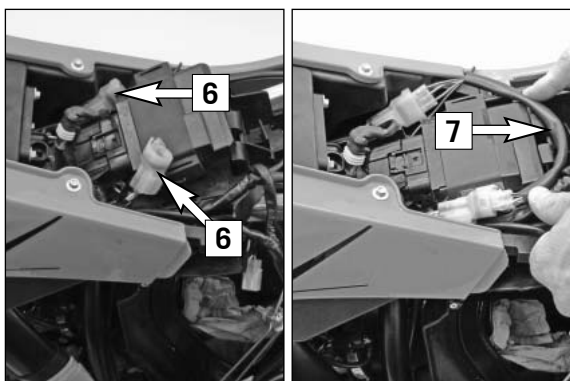


Solo per il montaggio del kit Kick-Start Solo (cont.)

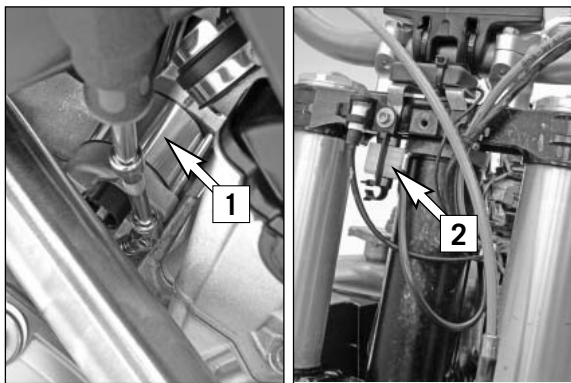
- Smontare la sella.
- Smontare il coperchio della cassa filtro.
- Smontare il filtro dell'aria.
- Scollegare e rimuovere la batteria.



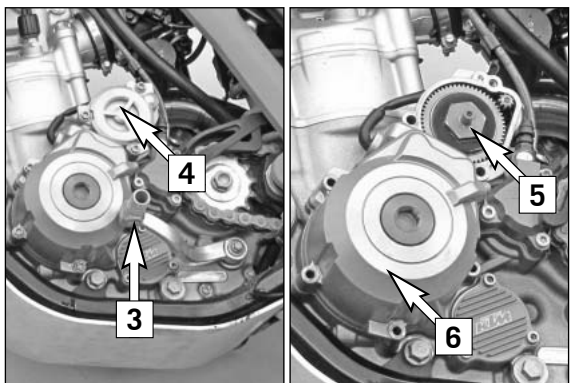
- Smontare la scatola della batteria.



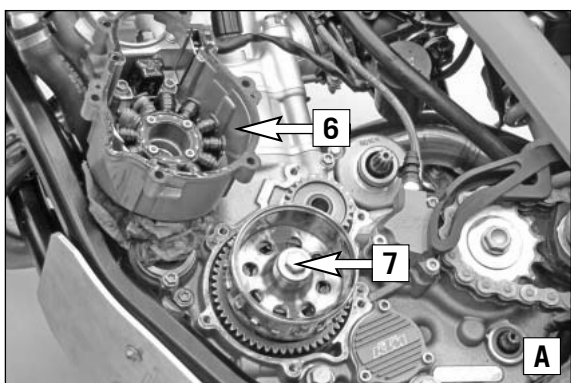
- Scollegare i connettori **(6)** e montare il cablaggio del Kick-Start **(7)** (in dotazione).



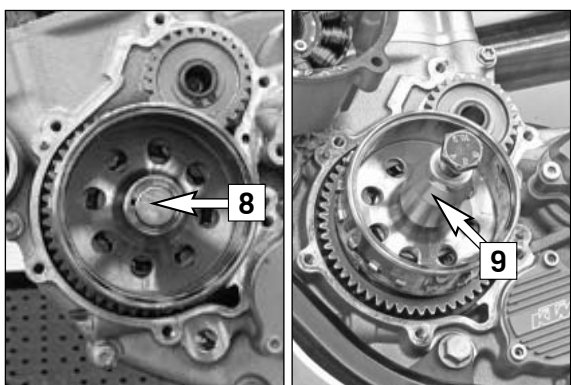
- Smontare il cavo dello starter dal motorino d'avviamento elettrico (1).
- Smontare il motorino d'avviamento elettrico (1).
- Smontare la tabella portanumero, scollegare il connettore (2) e smontare il pulsante del motorino d'avviamento dal manubrio.
- Montare la tabella portanumero.
- Rimuovere il fascio di cavi.



- Smontare la leva del cambio (3).
- Smontare il coperchio del limitatore di coppia (4).
- Smontare il limitatore di coppia (5).

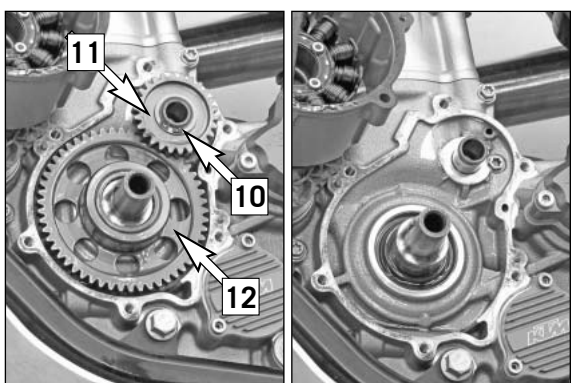


- Svitare le viti del coperchio dell'accensione (6) e riporre di lato il coperchio dell'accensione (figura A).
- Estrarre la vite del rotore (7).

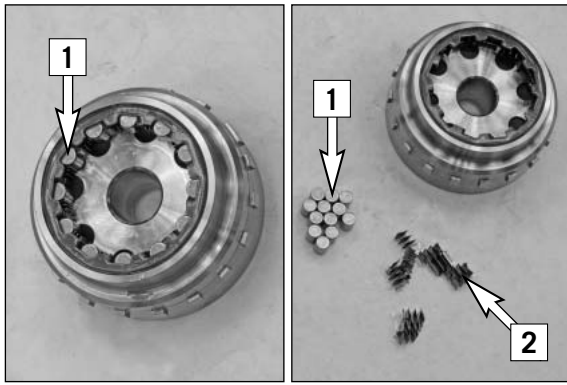


- Applicare l'utensile speciale (8) (protezione albero motore 75029090000).
- Posizionare sul rotore l'utensile speciale (9) (estrattore 58012009000).
- Bloccare l'utensile speciale e, avvitando la vite, estrarre il rotore.

NOTA:
Assicurarsi che non rimanga nessuna chiavetta.



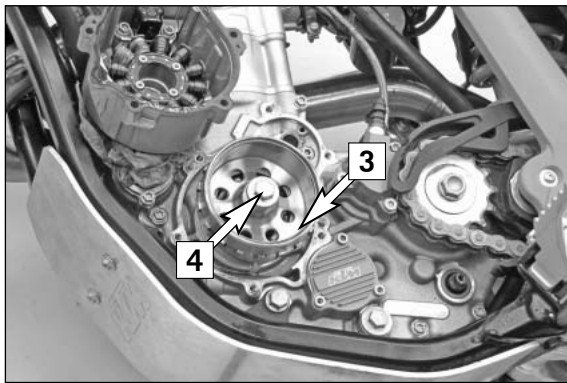
- Smontare l'anello di sicurezza (10), rimuovere la rondella di spinta e l'ingranaggio intermedio di avviamento (11).
- Rimuovere l'ingranaggio ruota libera (12).



- Smontare dal rotore gli spilli (1) e le molle (2).

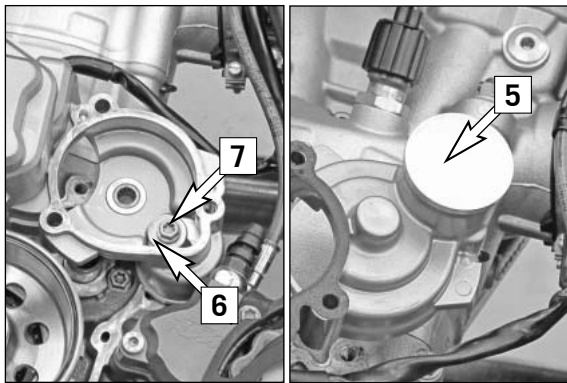
NOTA:

Conservare spilli e molle nel caso in cui si debba effettuare il rimontaggio sull'avviamento elettrico.



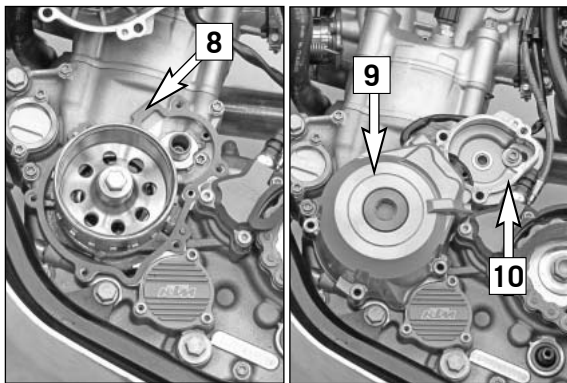
- Posizionare il rotore (3).

- MONTARE LA vite del rotore (4) (70 Nm).



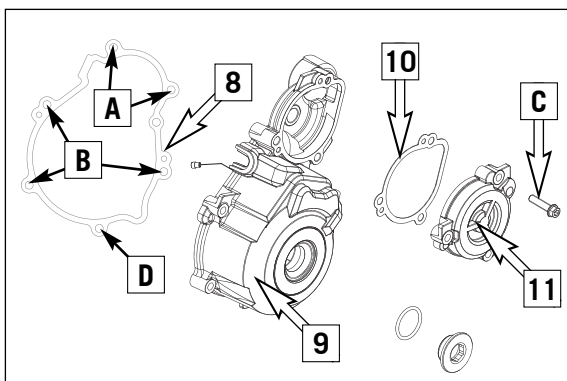
- Montare l'O-ring 25x3 NBR70 (in dotazione) nella scanalatura sul coperchio del motorino dell'avviamento elettrico (5) (in dotazione).

- Montare il coperchio del motorino dell'avviamento elettrico (5) con la rondella 6,4x18x1,6 (6) e la vite flangiata a testa esagonale M6x8 (7) (in dotazione) (10 Nm, Loctite 243).



- Utilizzare la nuova guarnizione del coperchio dell'accensione (8) (in dotazione) e posizionare il coperchio dell'accensione (9).

- Utilizzare la nuova guarnizione del limitatore di coppia (10) (in dotazione) e posizionare il coperchio del limitatore di coppia (11).



- Inserire e serrare tutte le viti del coperchio dell'accensione e del limitatore di coppia.

A N. 2 viti flangiata a testa esagonale M6x50 (10 Nm)

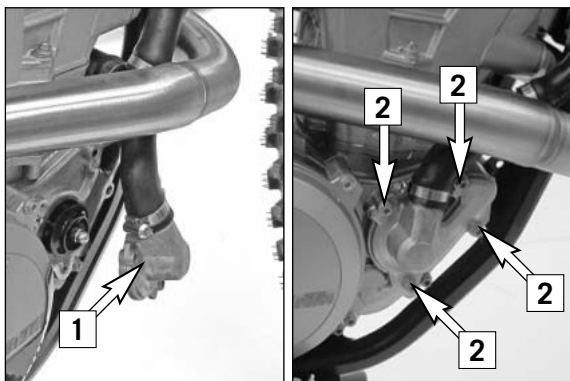
B N. 3 viti flangiata a testa esagonale M6x30 (10 Nm)

C N. 1 vite flangiata a testa esagonale M6x25 (10 Nm)

D N. 1 vite flangiata a testa esagonale M6x40 (10 Nm)

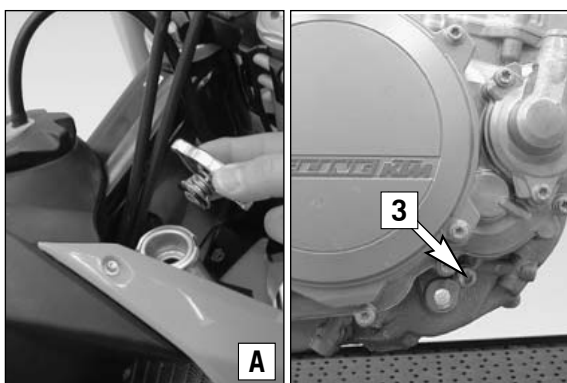
Operazioni successive necessarie solo per il kit Kick-Start Solo

- Montare il filtro dell'aria.
- Montare il coperchio della cassa filtro.
- Montare la sella.



Operazioni successive per il kit Kick-Start Kombi e Solo

- Posizionare il coperchio della pompa dell'acqua (1) e rimontare le viti (2) (10 Nm).



- Effettuare il riempimento con l'acqua di raffreddamento (figura A) (vedere il manuale d'uso).
- Svitare la vite (3) e rimontare la vite con la rondella.

! AVVERTIMENTO

Controllare che tutti gli elementi di comando funzionino perfettamente.
Controllare il livello dell'olio.



77212945044

Contenu de la livraison kit de kick Combi 77212945044 :

1x Pignon intermédiaire du kick cpl.	77233053000
1x Disque ajusté DIN0988-17X24X0,5	0988172405
2x Circlip DIN0471-17X1	0471170010
1x Disque ajusté DIN0988-16X22X01	0988162210
1x Ressort de roue à rochet 1,4mm	50333056000
1x Roue à rochet de kick	50333052000
1x Arbre de kick	77033050000
3x Rondelle de butée 17,2x24x1	50333030000
1x Pignon de démarreur 28 dents	77033051000
1x Barillet	77033055000
1x Ressort de kick	77033054000
1x Bague d'étanchéité 17x28x7	0760172870
1x Tôle de butée 4mm	50333069000
2x Vis à épaulement six pans M6x16 ISA30	0025060166
1x Entretoise 16x23x26x6,1	50333038100
1x Levier de kick cpl.	77133070144
1x Rondelle spéciale 8mm zinguée	54633037000
1x Vis fraisée ISR45 M8x20 10.9	0019080206S
1x Joint du carter d'embrayage	77230025000
1x Joint de couvercle de pompe à eau	77235053000
1x Rondelle frein	77232018000



77212945244

Contenu de la livraison kit de Kick Solo 77212945244 :

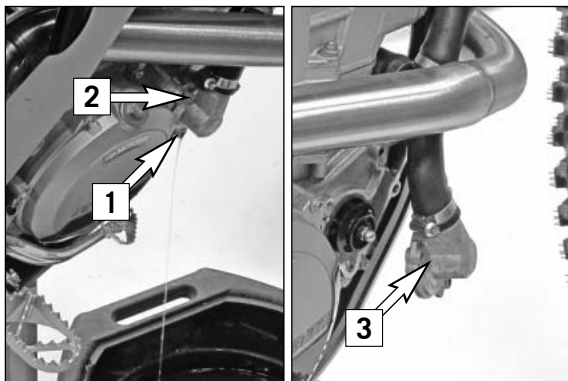
1x Kit de kick Combi	77212945044
1x Pièces du kit Kickstart	77212945144
1x Joint torique 25x3 NBR70	0770250030
1x Joint de carter d'embrayage	77530040000
1x Joint du limiteur de couple	77240043000
1x Vis à épaulement six pans M6x8	0025060086
1x Faisceau de câbles du kick	77111185000
1x Rondelle 6,4x18x1, 6mm	0021060003
1x Couvercle démarreur électrique (carter d'allumage)	77040901010

ATTENTION

Le montage doit être réalisé uniquement par un atelier agréé resp. un technicien qualifié !

Travaux préalables

- Dévisser la vis (1) et vidanger l'eau de refroidissement.
- Dévisser la vis (2) et déposer le couvercle de pompe à eau (3) sur le côté.

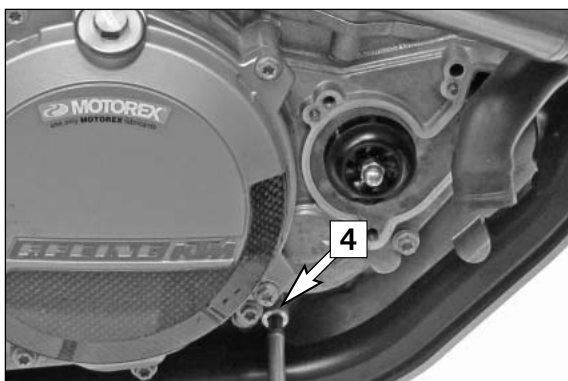


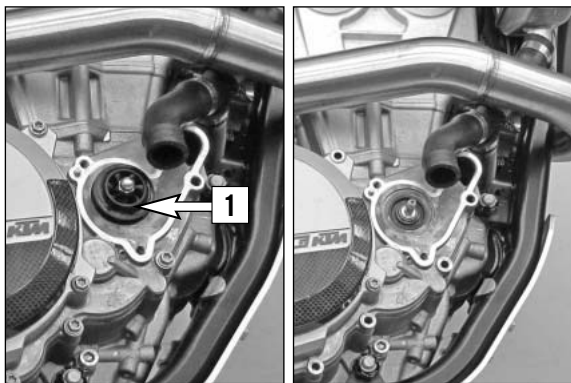
- Démontez la pédale de frein arrière.
- Dévisser la vis (4) et retirer la rondelle.
- Régler le moteur au point mort haut d'allumage et visser la vis sans rondelle.

REMARQUE :

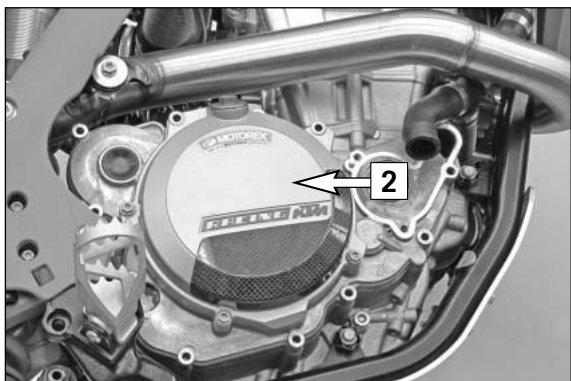
Avant de visser la vis (4), vérifier par l'alésage si l'encoche de positionnement sur le vilebrequin est bien visible.

- Déposer la moto sur le côté.

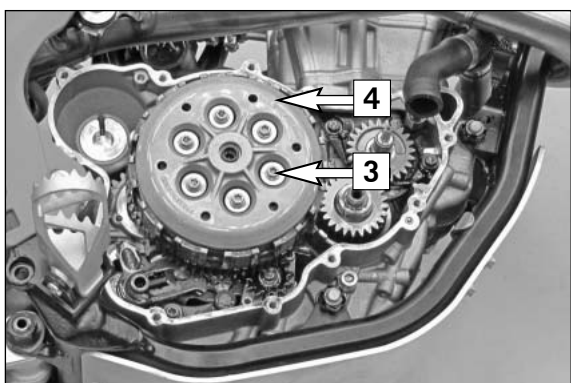




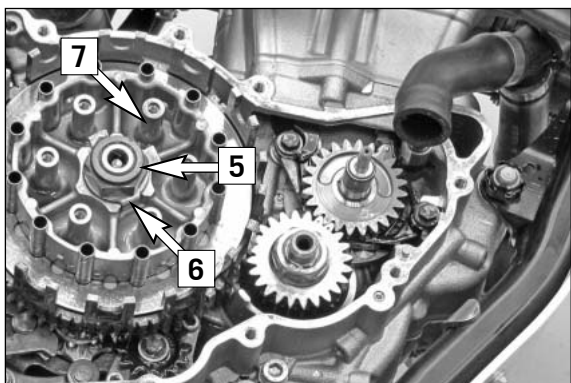
- Retirer l'écrou M6 et extraire la turbine de la pompe à eau (1).



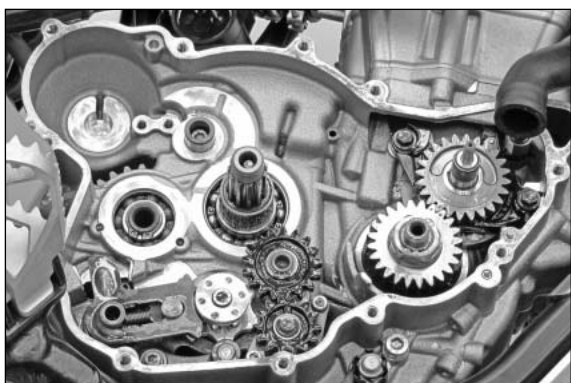
- Démontez le carter d'embrayage (2).



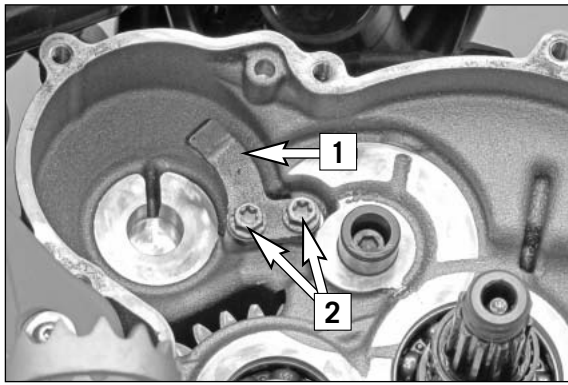
Retirer les 6 ressorts d'embrayage (3) et le plateau de pression (4).



- Mettre en place l'outil spécial (outil de maintien de l'embrayage **59029003100**) sur la cloche d'embrayage et dévisser l'écrou (5) et la rondelle frein (6).



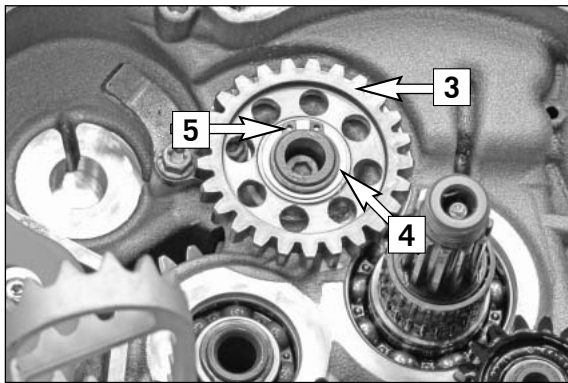
- Déposer la cloche d'embrayage (7).



MONTAGE

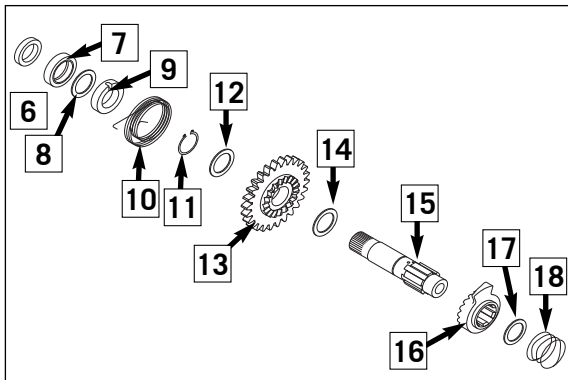
Montage du kit de kick Combi et Solo

- Monter la tôle de butée (1) (contenu de la livraison) avec les vis à épaulement six pans M6x16 (2) (contenu de la livraison) (10Nm, Loctite 243).



- Monter le pignon intermédiaire du kick (3) (contenu de la livraison).

- Monter le disque ajusté 17x24x0,5 (4) (contenu de la livraison) et assurer avec le circlip DIN0471-17X1 (5) (contenu de la livraison).



Effectuer le prémontage de l'arbre de kick (pièces dans le contenu de la livraison)

6	Entretoise 16x23x26x6,1
7	Bague d'étanchéité 17x28x7
8	Rondelle de butée 17,2x24x1
9	Barillet
10	Ressort de kick
11	Circlip DIN0471-17X1
12	Rondelle de butée 17,2x24x1
13	Pignon de démarreur 28 dents
14	Rondelle de butée 17,2x24x1
15	Arbre de kick
16	Roue à rochet de kick
17	Disque ajusté DIN0988-16X22X01
18	Ressort de rochet 1,4mm

Ordre d'assemblage :

- Placer la rondelle de butée (12) (contenu de la livraison), le pignon de démarreur (13) (contenu de la livraison) et la rondelle de butée (14) (contenu de la livraison) sur l'arbre de kick (15) (contenu de la livraison).
 - Monter le circlip (11) (contenu de la livraison).
 - Monter le ressort de kick (10) (contenu de la livraison).

REMARQUE :

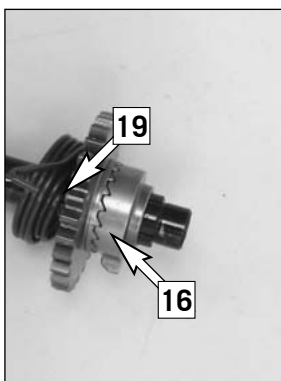
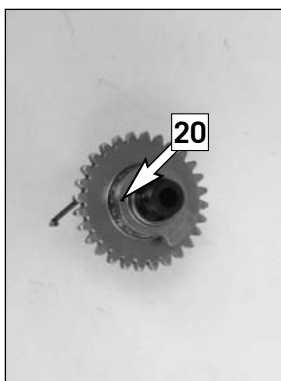
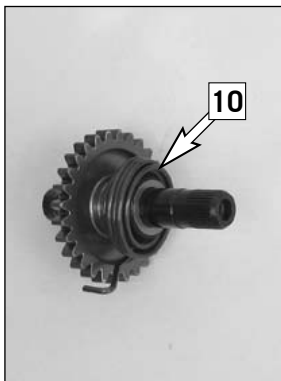
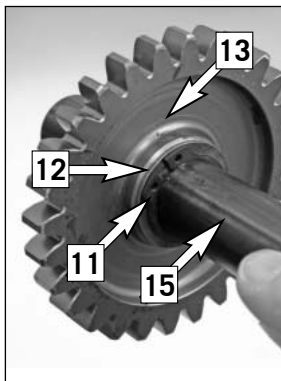
L'extrémité du ressort de kick (10) (contenu de la livraison) doit pénétrer dans l'alésage (19).

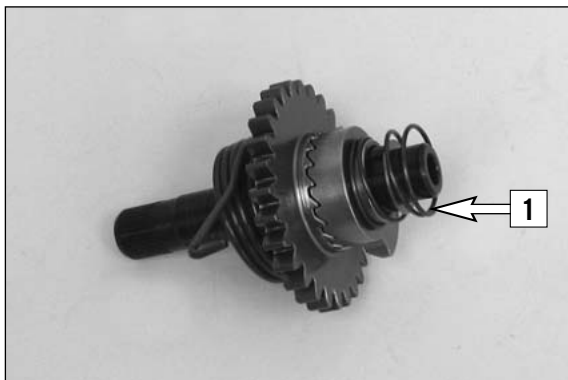
- Monter le barillet (9) (contenu de la livraison) et la rondelle de butée (8) (contenu de la livraison).

- Monter la roue à rochet de kick (16) (contenu de la livraison).

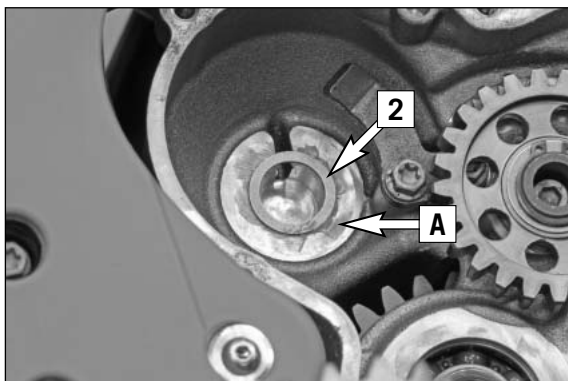
REMARQUE :

Le repère (20) doit venir affleurer avec l'alésage (19).

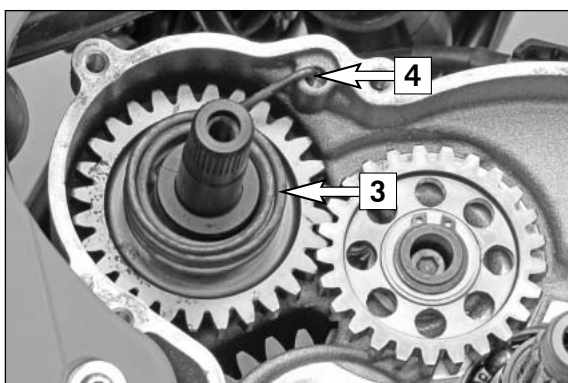




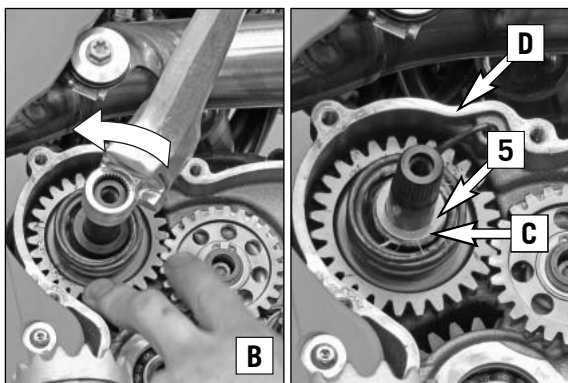
- Monter le ressort de rochet 1,4mm (1) (contenu de la livraison).



- Enduire la position (A) d'un peu de graisse.
- Monter le disque ajusté DIN0988-16X22X01 (2) (contenu de la livraison).



- Mettre en place l'arbre de kick prémonté et accrocher le ressort de kick (3) (contenu de la livraison) dans l'alésage (4).

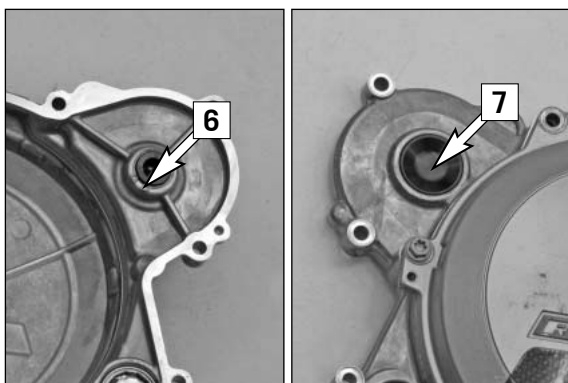


- Mettre en place le levier de kick et vérifier le fonctionnement de l'arbre (figure B).

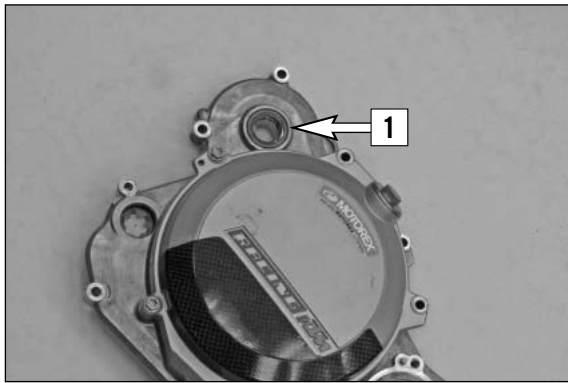
! ATTENTION

Maintenir les pignons pour les empêcher de sortir de leur logement au moment de la rotation du kick.

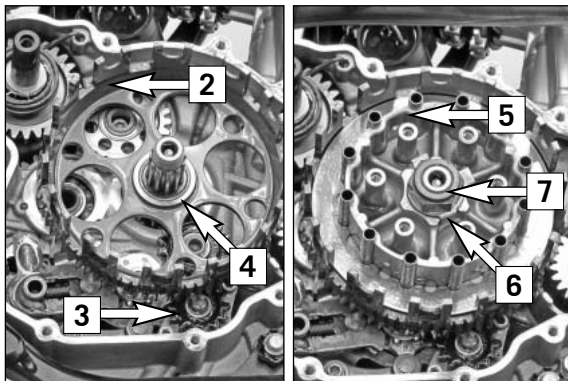
- Démonter le levier de kick.
- Enduire la position (C) d'un peu de graisse et mettre en place la rondelle de butée 17,2x24x1 (5) (contenu de la livraison).
- Nettoyer minutieusement la surface étanche (D).



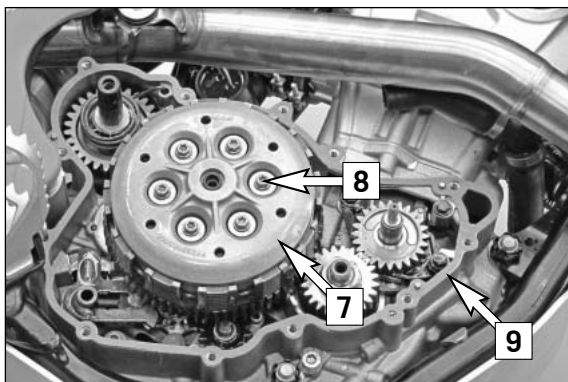
- Démonter le circlip (6) et déposer le couvercle (7).



- Emmancher et graisser la bague d'étanchéité 17x28x7 (1) (contenu de la livraison).

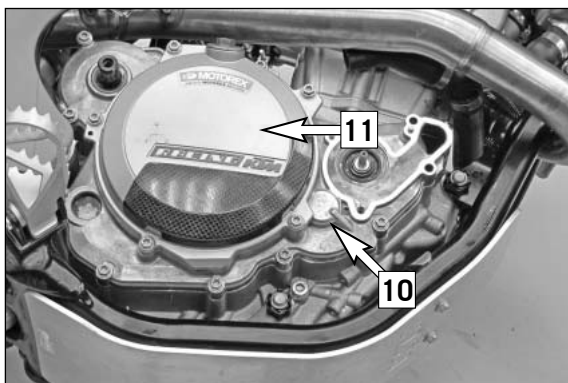


- Emmancher la cloche d'embrayage (2) sur l'arbre primaire de boîte. Tourner le pignon de pompe d'huile (3) jusqu'à ce que la denture de la cloche d'embrayage engrène.
- Enfoncer la rondelle de butée (4) et la noix d'embrayage (5).
- Placer la nouvelle rondelle frein (6) (contenu de la livraison) et monter l'écrou (7). Maintenir la noix d'embrayage (5) avec l'outil spécial 59029003100 et serrer l'écrou (100Nm, Loctite 243).
- Assurer l'écrou avec la rondelle frein (6).

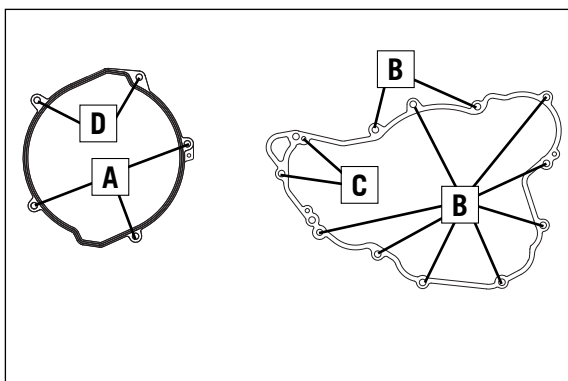


- Monter les lames d'embrayage (voir le manuel de réparation).
 - Monter la butée (voir le manuel de réparation).
 - Monter le plateau de pression (7) et visser les vis (8) avec les ressorts et les rondelles.
- REMARQUE :
Serrer les vis en croix (10Nm).

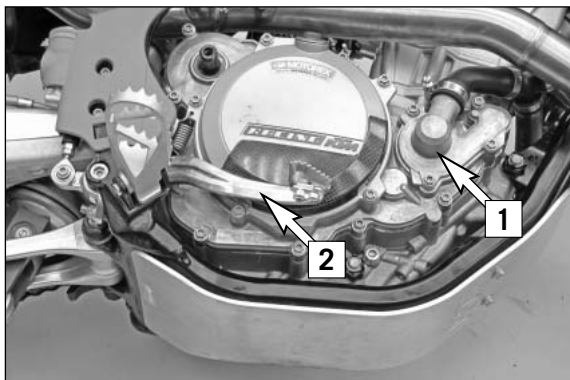
- Monter le nouveau joint du carter d'embrayage (9) (contenu de la livraison).



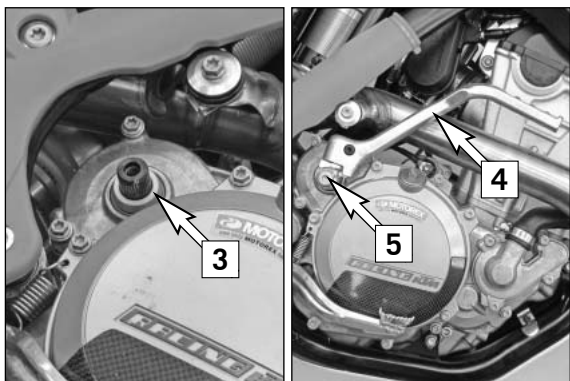
- Monter le carter d'embrayage (10) (10Nm).
- Monter le couvercle extérieur de l'embrayage (11) avec son joint d'étanchéité (10Nm).



- A 3x vis à épaulement six pans M6x20 (10Nm)
- B 10x vis à épaulement six pans M6x25 (10Nm)
- C 2x vis à épaulement six pans M6x40 (10Nm)
- D 2x vis à épaulement six pans M6x45 (10Nm)



- Monter la turbine de la pompe à eau (6Nm/Loctite243).
- Monter le couvercle de pompe à eau (1) avec un nouveau joint de couvercle de pompe à eau (contenu de la livraison) (10Nm).
- Monter la pédale de frein arrière (2).



- Placer l'entretoise (3) (contenu de la livraison).

REMARQUE :

Le petit diamètre de l'entretoise est orienté vers l'extérieure.

- Placer le levier de kick (4) (contenu de la livraison), monter la rondelle spéciale 8mm (contenu de la livraison) et la vis (5) (contenu de la livraison) et serrer (25Nm, Loctite 243).

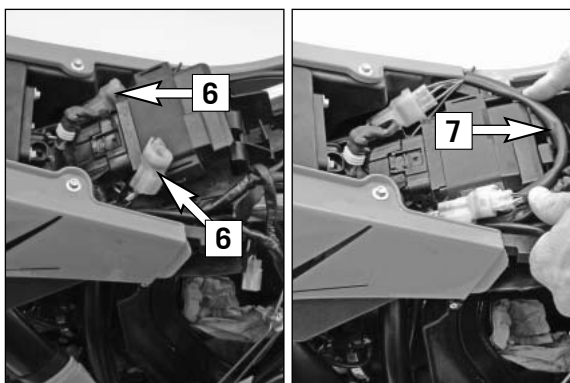


Suite du montage du kit de kick Solo uniquement

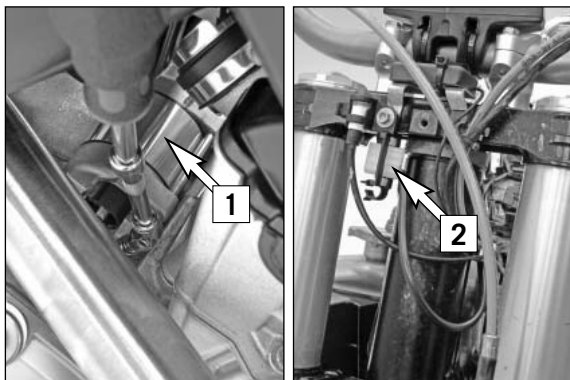
- Démonter la selle.
- Démonter le couvercle du boîtier de filtre.
- Déposer le filtre à air.
- Débrancher et déposer la batterie.



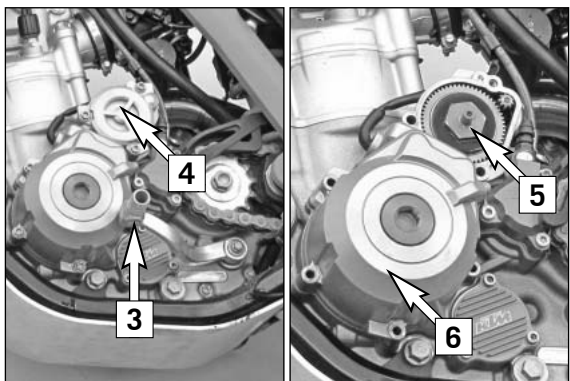
- Déposer le boîtier de batteries.



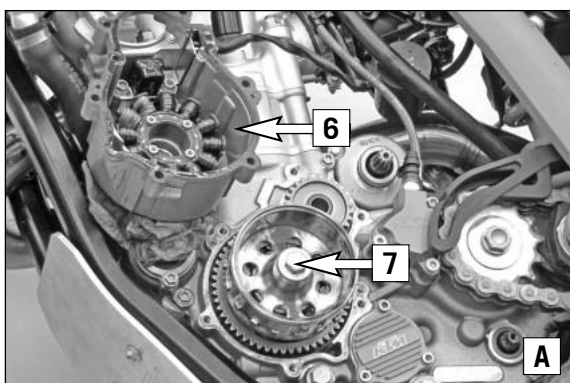
- Déconnecter les fiches (6) et monter le faisceau de câbles du kick (7) (contenu de la livraison).



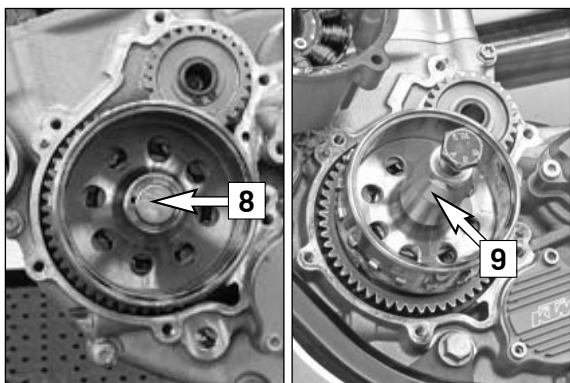
- Déposer le câble du démarreur électrique (1).
- Démontez le démarreur électrique (1).
- Démontez la plaque frontale, Défaitez les connexions (2) et démontez le bouton de démarrage sur le guidon.
- Monter la plaque frontale.
- Déposer le faisceau de câbles.



- Démontez le sélecteur (3).
- Démontez le couvercle du limiteur de couple (4).
- Démontez le limiteur de couple (5).

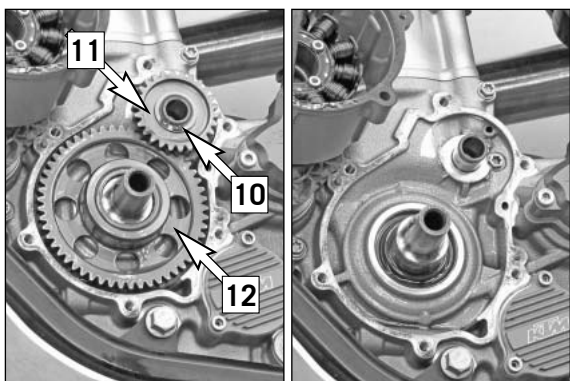


- Retirer les vis du carter d'allumage (6) et déposer le carter d'allumage sur le côté (figure A).
- Retirer la vis du rotor (7).

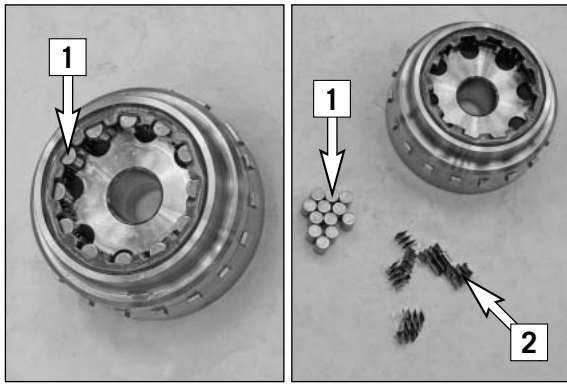


- Mettre en place l'outil spécial (8) (capuchon de vilebrequin 75029090000).
- Monter l'outil spécial (9) (extracteur 58012009000) sur le rotor.
- Maintenir l'outil spécial pour qu'il ne tourne pas et extraire le rotor en visant la vis.

REMARQUE :
Vérifier que les rondelles élastiques restent en place.



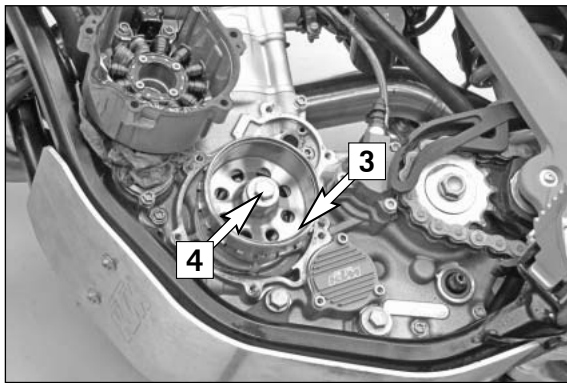
- Déposer le circlip (10), déposer la rondelle de butée et le pignon intermédiaire de démarreur (11).
- Déposer le pignon fou (12).



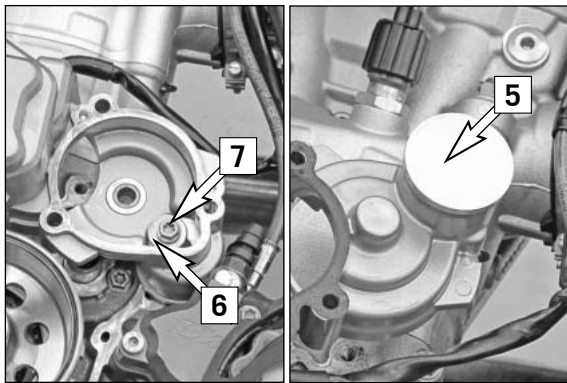
- Sortir les aiguilles (1) et les ressorts (2) du rotor.

REMARQUE :

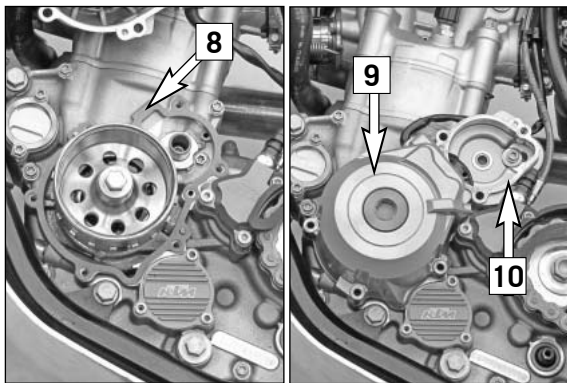
Bien ranger les aiguilles et les ressorts pour un montage ultérieur éventuel.



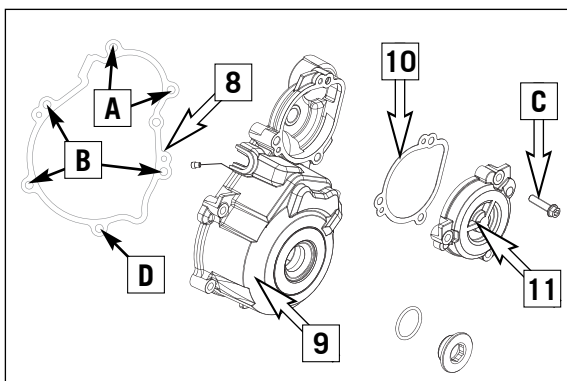
- Monter le rotor (3).
- Monter la vis de rotor (4) (70Nm).



- Placer le joint torique 25x3 NBR70 (contenu de la livraison) dans la gorge du couvercle du démarreur électrique (5) (contenu de la livraison).
- Monter le couvercle du démarreur électrique (5) avec la rondelle 6,4x18x1,6 (6) et la vis à épaulement six pans M6x8 (7) (contenu de la livraison) (10Nm, Loctite243).



- Utiliser un nouveau joint de carter d'embrayage (8) (contenu de la livraison) et mettre en place le carter d'allumage (9).
- Utiliser un nouveau joint sur le limiteur de couple (10) (contenu de la livraison) et mettre en place le couvercle du limiteur de couple (11).

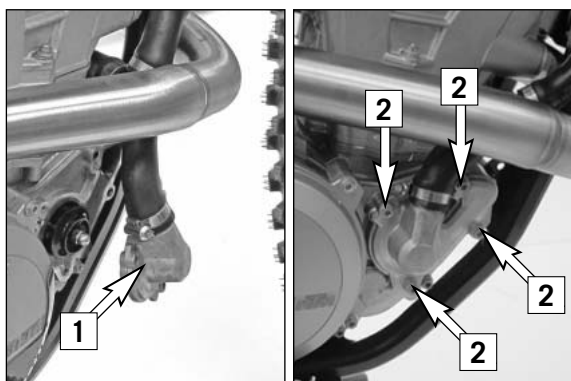


- Visser et serrer toutes les vis du carter d'allumage et du couvercle du limiteur de couple.

- A 2x vis à épaulement six pans M6x50 (10Nm)
- B 3x vis à épaulement six pans M6x30 (10Nm)
- C 1x vis à épaulement six pans M6x25 (10Nm)
- D 1x vis à épaulement six pans M6x40 (10Nm)

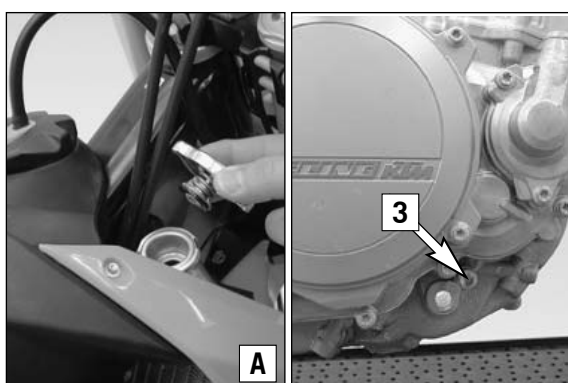
Travaux ultérieurs pour le kit de kick Solo uniquement

- Monter le filtre à air.
- Monter le couvercle du boîtier de filtre.
- Monter la selle.



Travaux ultérieurs sur le kit de kick Combi et Solo

- Mettre en place le couvercle de pompe à eau (1) et remonter les vis (2) (10Nm).



- Remplir d'eau de refroidissement (figure A) (voir le manuel d'utilisation).
- Dévisser la vis (3) et remonter la vis avec la rondelle.

! ATTENTION

Vérifier le fonctionnement de l'ensemble des éléments de commande.
Vérifier le niveau d'huile.



77212945044

Volumen de suministro del kit de pedal de arranque Kombi 77212945044:

1x piñón intermedio del pedal de arranque completo	77233053000
1x arandela de ajuste DIN0988-17X24X0,5	0988172405
2x anillos de retención DIN0471-17X1	0471170010
1x arandela de ajuste DIN0988-16X22X01	0988162210
1x muelle para rueda de bloqueo 1,4 mm	50333056000
1x rueda de bloqueo del pedal de arranque	50333052000
1x árbol del pedal de arranque	77033050000
3x arandelas de tope 17,2x24x1	50333030000
1x rueda del arrancador de 28 dientes	77033051000
1x buje del disco de arrastre	77033055000
1x muelle del pedal de arranque	77033054000
1x anillo de retén 17x28x7	0760172870
1x chapa de tope 4 mm	50333069000
2x tornillos hexagonales de collarín M6x16 ISA30	0025060166
1x casquillo distanciador 16x23x26x6,1	50333038100
1x palanca de pedal de arranque completa	77133070144
1x arandela perfilada de 8 mm galvanizada	54633037000
1x tornillo de cabeza avellanada ISR45 M8x20 10.9	0019080206S
1x junta de la tapa del embrague	77230025000
1x junta de la tapa de la bomba de agua	77235053000
1x chapa de retención	77232018000



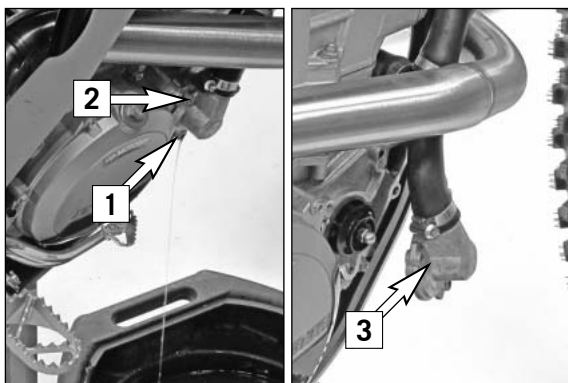
77212945244

Volumen de suministro del kit de pedal de arranque Solo 77212945244:

1x kit de pedal de arranque Kombi	77212945044
1x piezas del kit de pedal de arranque	77212945144
1x junta tórica 25x3 NBR70	0770250030
1x junta para la tapa del encendido	77530040000
1x junta para limitador de par	77240043000
1x tornillo hexagonal de collarín M6x8	0025060086
1x ramal de cables del pedal de arranque	77111185000
1x arandela 6,4x18x1, 6 mm	0021060003
1x tapa para motor de arranque eléctrico (tapa del encendido)	77040901010

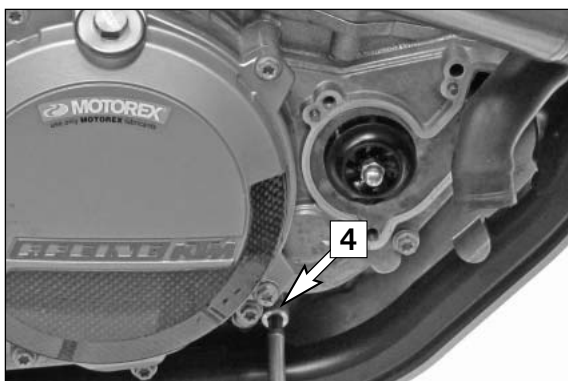
⚠ ATENCION

Para el montaje hay que acudir a un taller especializado autorizado, o bien a un mecánico de servicio postventa debidamente cualificado.



Trabajos previos

- Desmontar el tornillo (1) y vaciar el agua de refrigeración.
- Desmontar el tornillo (2) y apartar la tapa de la bomba de agua (3) hacia un lado.

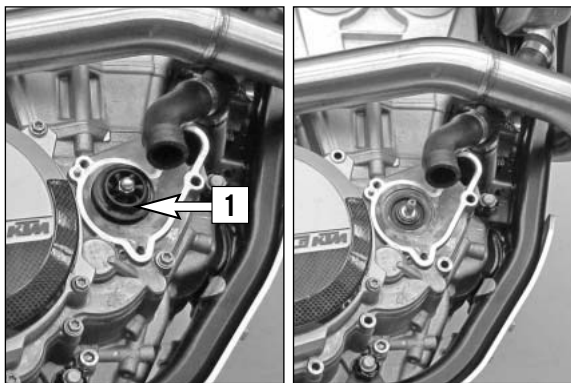


- Desmontar el pedal del freno.
- Desmontar el tornillo (4) y retirar la arandela.
- Colocar el motor en el PMS de encendido y volver a montar el tornillo sin la arandela.

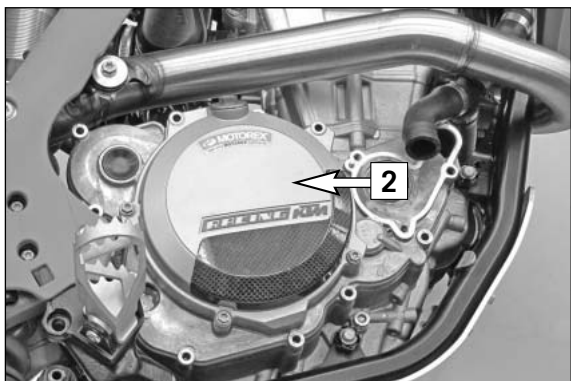
ADVERTENCIA:

Antes de volver a montar el tornillo (4), comprobar si se ve la muesca de posición del cigüeñal a través del taladro.

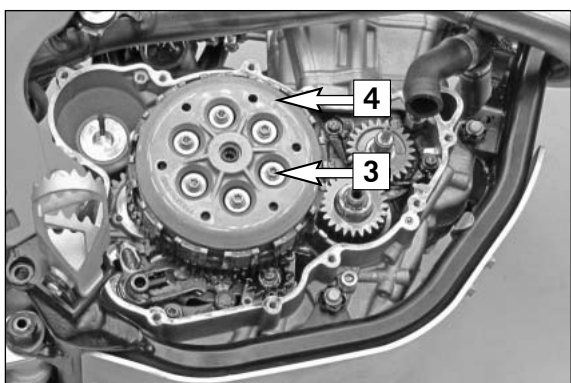
- Tender la motocicleta sobre un lado.



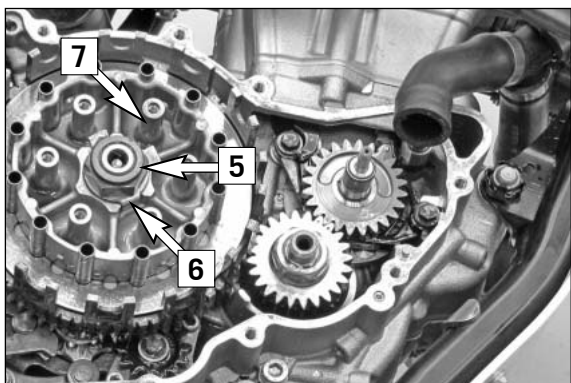
- Desmontar la tuerca M6 y retirar la rodete de la bomba de agua (1).



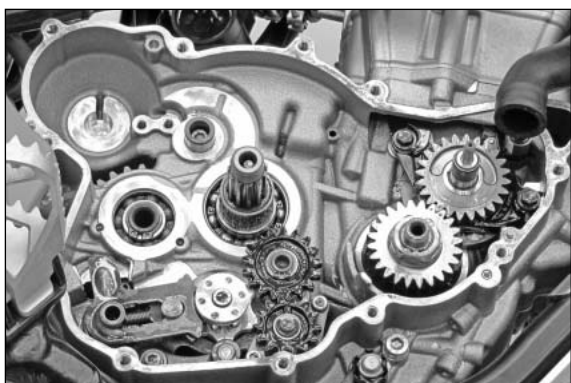
- Desmontar la tapa del embrague (2).



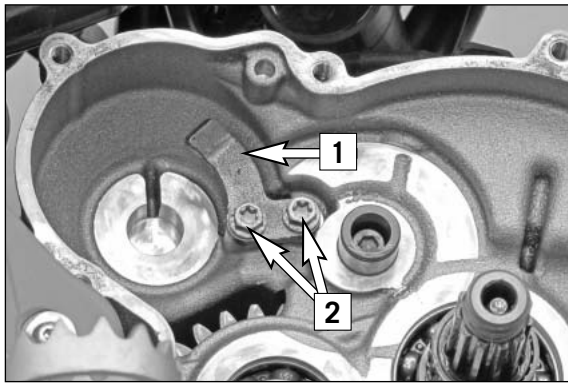
- Retirar los 6 resortes del embrague (3) y la cubierta a presión (4).



- Colocar la herramienta especial (retenedor de embrague 59029003100) en la jaula del embrague y desmontar la tuerca (5) y la chapa de retención (6).



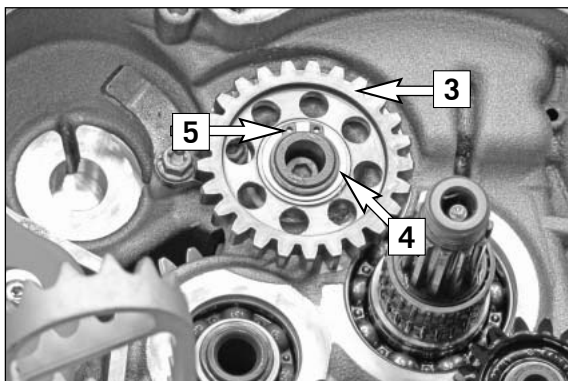
- Retirar la jaula del embrague (7).



MONTAJE

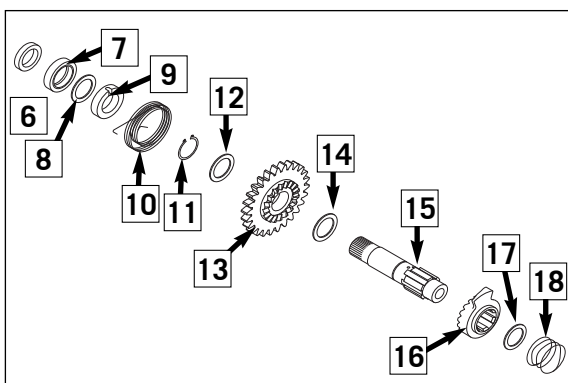
Montaje de los kits de pedal de arranque Kombi y Solo

- Montar la chapa de tope (1) (volumen de suministro) con los tornillos hexagonales de collarín M6x16 (2) (volumen de suministro) (10 Nm, Loctite 243).



- Posicionar el piñón intermedio del pedal de arranque (3) (volumen de suministro).

- Colocar la arandela de ajuste 17x24x0,5 (4) (volumen de suministro) y asegurarla con el anillo de retención DIN0471-17X1 (5) (volumen de suministro).



Premontar el árbol del pedal de arranque (todas las piezas en el volumen de suministro)

- | | |
|----|--|
| 6 | Casquillo distanciador 16x23x26x6,1 |
| 7 | Anillo de retén 17x28x7 |
| 8 | Arandela de tope 17,2x24x1 |
| 9 | Buje del disco de arrastre |
| 10 | Muelle del pedal de arranque |
| 11 | Anillo de retención DIN0471-17X1 |
| 12 | Arandela de tope 17,2x24x1 |
| 13 | Rueda del arrancador de 28 dientes |
| 14 | Arandela de tope 17,2x24x1 |
| 15 | Árbol del pedal de arranque |
| 16 | Rueda de bloqueo del pedal de arranque |
| 17 | Arandela de ajuste DIN0988-16X22X01 |
| 18 | Muelle para rueda de bloqueo 1,4 mm |

Orden de ensamblaje:

- Colocar la arandela de tope (12) (volumen de suministro), la rueda del arrancador (13) (volumen de suministro) y la arandela de tope (14) (volumen de suministro) en el árbol del pedal de arranque (15) (volumen de suministro).
- Montar el anillo de retención (11) (volumen de suministro).
- Montar el muelle del pedal de arranque (10) (volumen de suministro).

ADVERTENCIA:

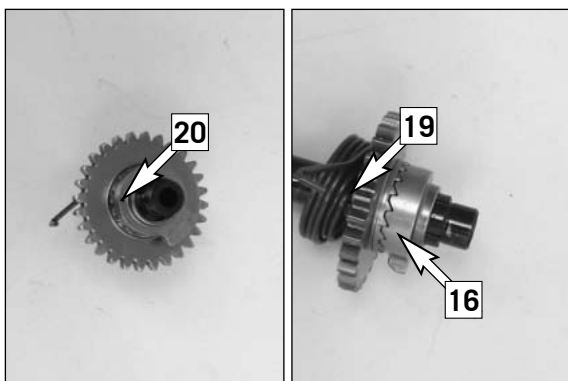
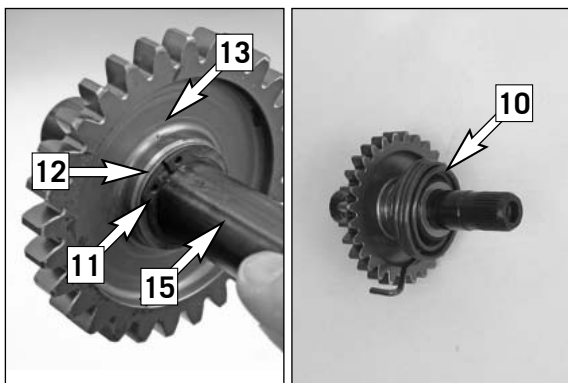
El extremo del muelle del pedal de arranque (10) (volumen de suministro) debe penetrar en el taladro (19).

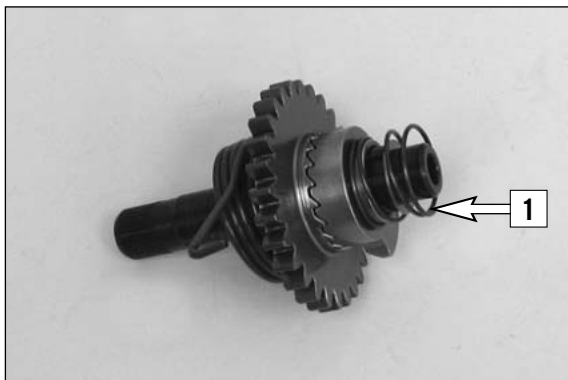
- Montar el buje del disco de arrastre (9) (volumen de suministro) y la arandela de tope (8) (volumen de suministro).

- Montar la rueda de bloqueo del pedal de arranque (16) (volumen de suministro).

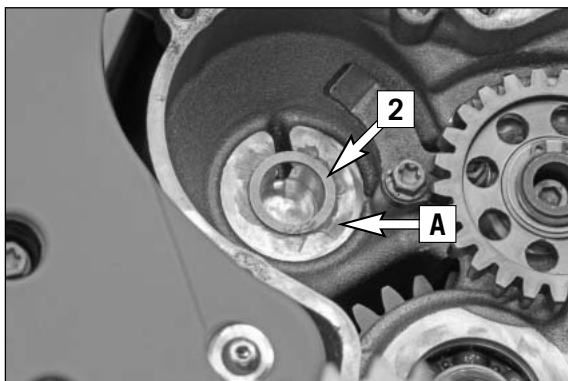
ADVERTENCIA:

La marca (20) debe estar enrasada con el taladro (19).

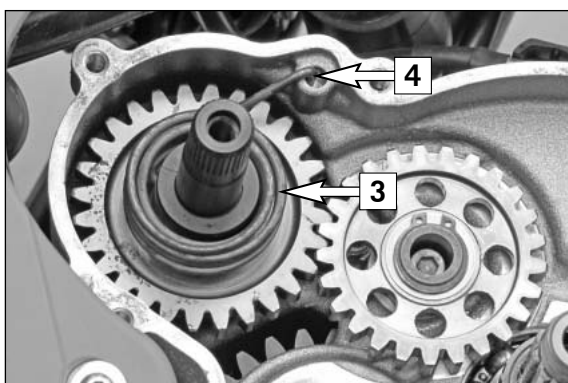




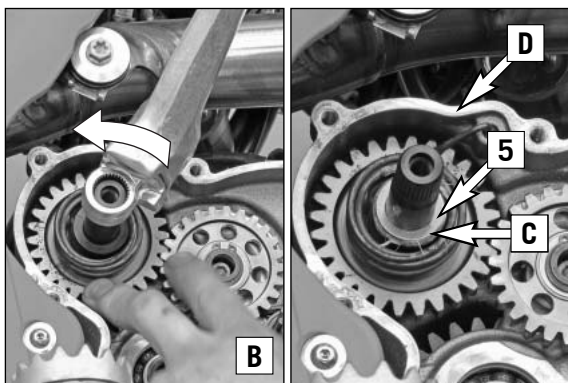
- Montar el muelle para rueda de bloqueo de 1,4 mm (1) (volumen de suministro).



- Aplicar un poco de grasa en el punto (A).
- Montar la arandela de ajuste DIN0988-16X22X01 (2) (volumen de suministro).



- Introducir el árbol del pedal de arranque premontado y enganchar el muelle del pedal de arranque (3) (volumen de suministro) en el taladro (4).

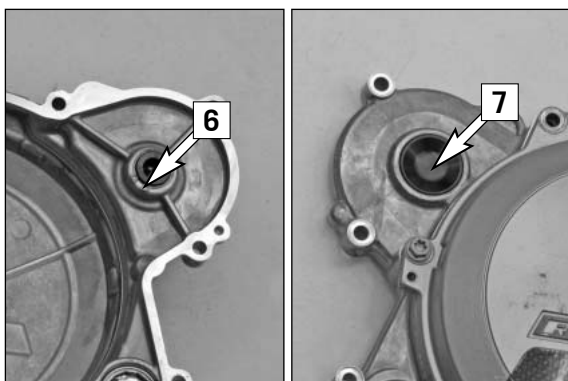


- Colocar la palanca del pedal de arranque y comprobar el funcionamiento del árbol (figura B).

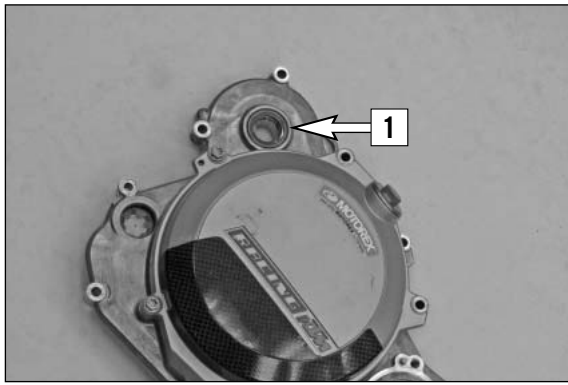
! AVISO

Sujetar las ruedas dentadas para que no se suelten del anclaje al girar el pedal de arranque.

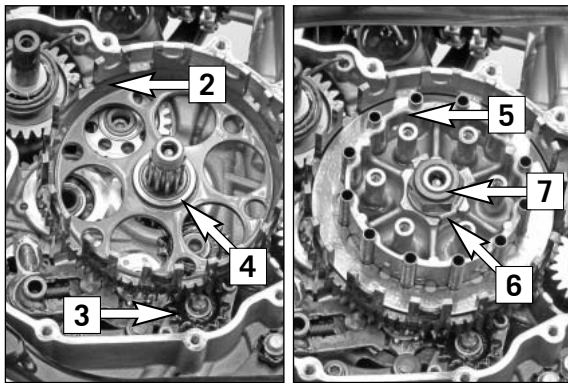
- Volver a desmontar la palanca del pedal de arranque.
- Aplicar un poco de grasa en el punto (C) y posicionar la arandela de tope 17,2x24x1 (5) (volumen de suministro).
- Limpiar a fondo la superficie de hermetizado (D).



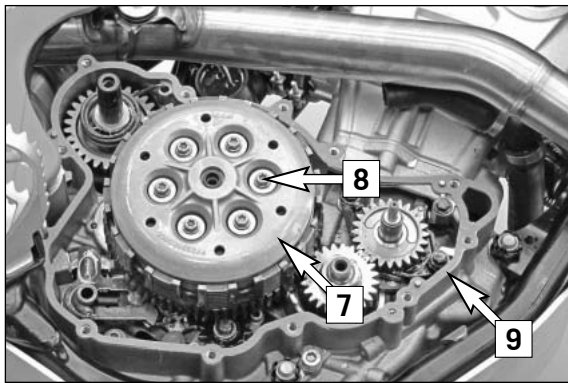
- Desmontar el anillo de retención (6) y retirar la tapa (7).



- Embutir el anillo de retén 17x28x7 (1) (volumen de suministro) y engrasarlo.



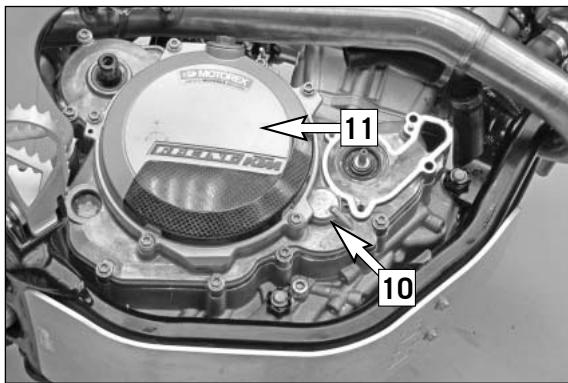
- Deslizar la jaula del embrague (2) sobre el árbol primario del cambio. Girar el piñón de la bomba de aceite (3) hasta que engrane el dentado de la jaula del embrague.
- Colocar la arandela de tope (4) y el disco de arrastre del embrague (5).
- Posicionar la nueva chapa de retención (6) (volumen de suministro) y montar la tuerca (7). Sujetar el disco de arrastre del embrague (5) con la herramienta especial 59029003100 y apretar la tuerca (100 Nm, Loctite 243).
- Asegurar la tuerca con la chapa de retención (6).



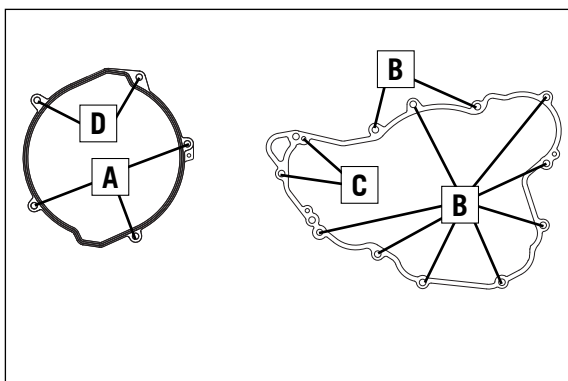
- Montar los discos del embrague (véase el manual de reparación).
- Montar la pieza de presión (véase el manual de reparación).
- Posicionar la cubierta a presión (7) y montar los tornillos (8) con los muelles y las arandelas.

ADVERTENCIA:
Apretar los tornillos en diagonal (10 Nm).

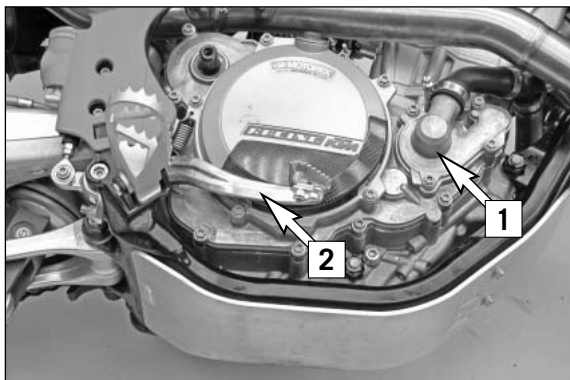
- Posicionar la nueva junta de la tapa del embrague (9) (volumen de suministro).



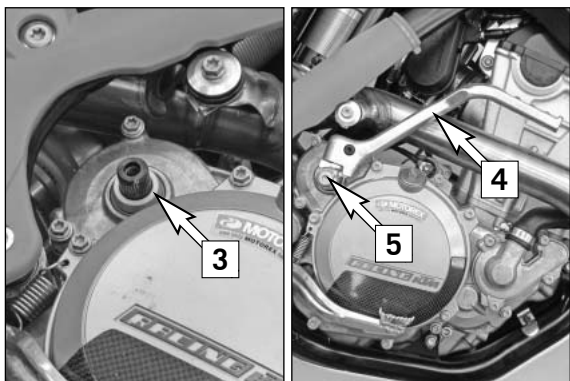
- Montar la tapa del embrague (10) (10 Nm).
- Montar la tapa exterior del embrague (11) con el anillo de hermetizado (10 Nm).



- A 3x tornillos hexagonales de collarín M6x20 (10 Nm)
- B 10x tornillos hexagonales de collarín M6x25 (10 Nm)
- C 2x tornillos hexagonales de collarín M6x40 (10 Nm)
- D 2x tornillos hexagonales de collarín M6x45 (10 Nm)



- Montar el rodete de la bomba de agua (6 Nm/Loctite 243).
- Montar la tapa de la bomba de agua (1) con la nueva junta de la tapa de la bomba de agua (volumen de suministro) (10 Nm).
- Montar el pedal del freno (2).



- Posicionar el casquillo distanciador (3) (volumen de suministro).

ADVERTENCIA:

El diámetro menor del casquillo distanciador mira hacia fuera.

- Posicionar la palanca del pedal de arranque (4) (volumen de suministro), montar la arandela perfilada 8 mm (volumen de suministro) y montar y apretar el tornillo (5) (volumen de suministro) (25 Nm, Loctite 243).

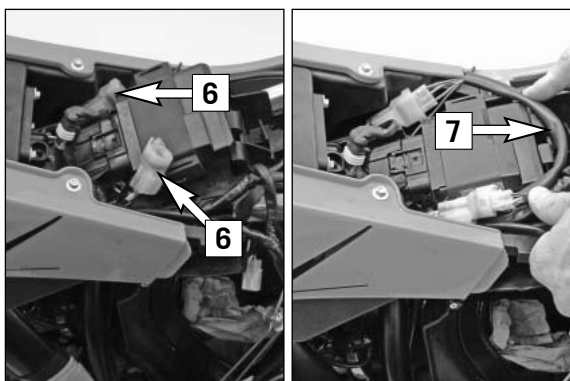


Continuación del montaje únicamente para el kit de pedal de arranque Solo

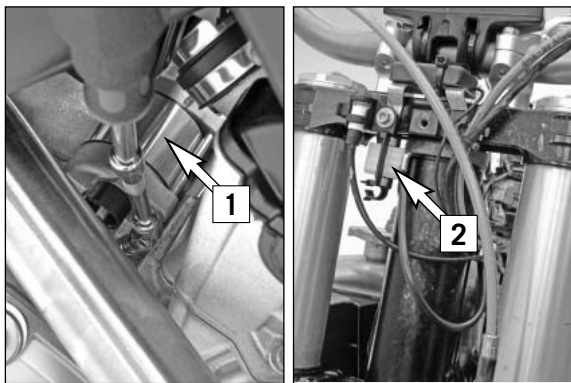
- Desmontar el asiento.
- Desmontar la tapa de la caja del filtro.
- Desmontar el filtro de aire.
- Desembornar y retirar la batería.



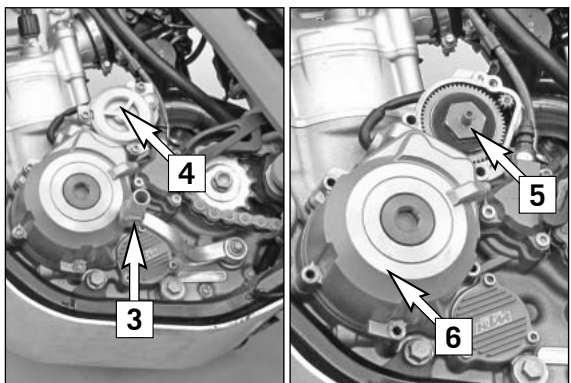
- Desmontar la caja de la batería.



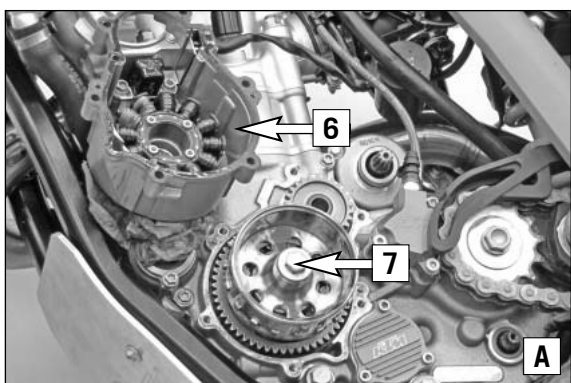
- Separar los conectores (6) y montar el ramal de cables del pedal de arranque (7) (volumen de suministro).



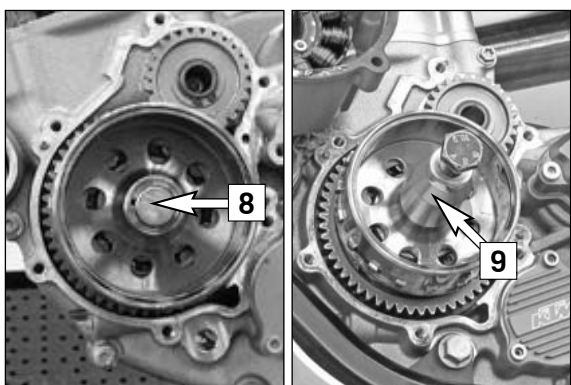
- Desmontar el cable del arrancador del motor de arranque eléctrico (1).
- Desmontar el motor de arranque eléctrico (1).
- Desmontar la placa portanúmeros, separar el conector (2) y desmontar el botón de arranque del manillar.
- Montar la placa portanúmeros.
- Retirar el mazo de cables.



- Desmontar el pedal de cambio (3).
- Desmontar la tapa del limitador de par (4).
- Desmontar el limitador de par (5).

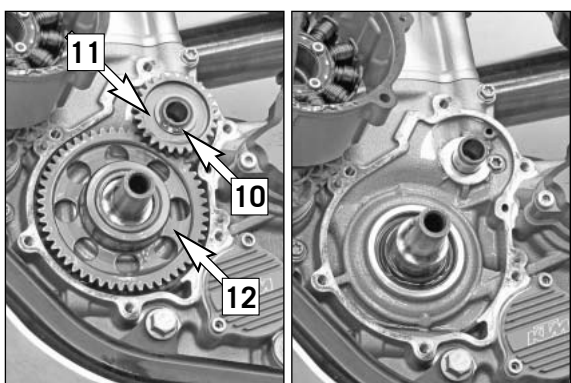


- Retirar los tornillos de la tapa del encendido (6) y tender la tapa del encendido hacia un lado (figura A).
- Retirar el tornillo del rotor (7).

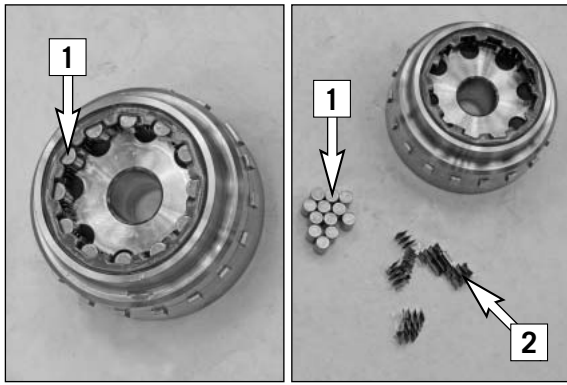


- Colocar la herramienta especial (8) (cubierta de protección para cigüeñal 7502909000).
- Colocar la herramienta especial (9) (extractor 58012009000) en el rotor.
- Sujetar la herramienta especial y enroscar el tornillo para extraer el rotor.

ADVERTENCIA:
Prestar atención a que permanezcan los anillos elásticos.



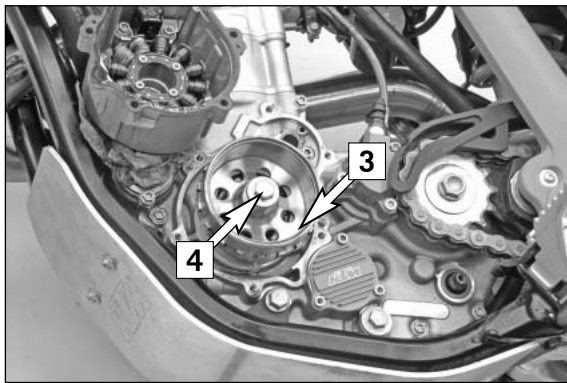
- Desmontar el anillo de retención (10) y retirar la arandela de tope y el piñón intermedio del motor de arranque (11).
- Retirar la rueda dentada del piñón libre (12).



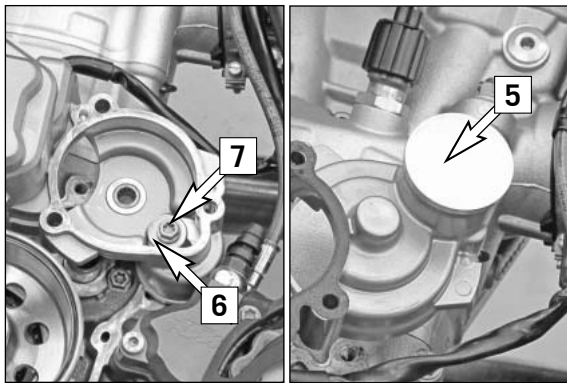
- Desmontar las agujas (1) y los muelles (2) del rotor.

ADVERTENCIA:

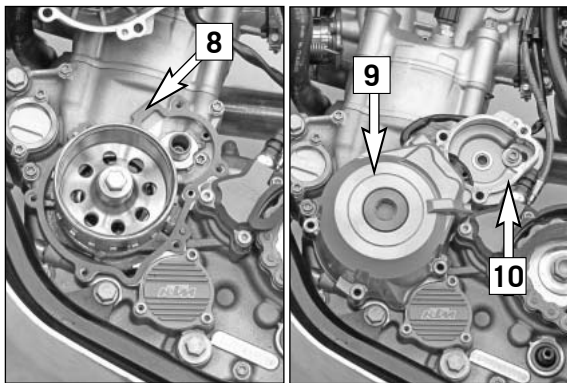
Guardar las agujas y los muelles en un lugar seguro por si fuera necesario volver a montar el arranque eléctrico.



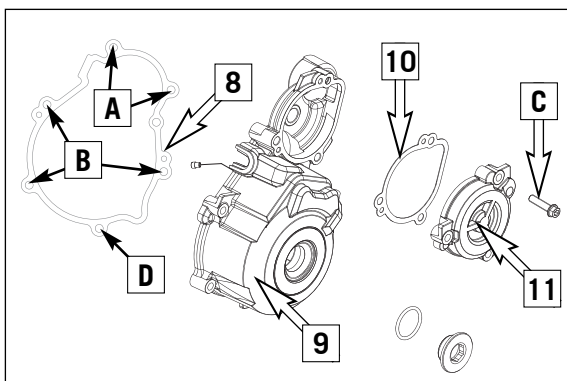
- Posicionar el rotor (3).
- Montar el tornillo del rotor (4) (70 Nm).



- Montar la junta tórica 25x3 NBR70 (volumen de suministro) en la hendidura de la tapa del motor de arranque eléctrico (5) (volumen de suministro).
- Montar la tapa del motor de arranque eléctrico (5) con la arandela 6,4x18x1,6 (6) y el tornillo hexagonal de collarín M6x8 (7) (volumen de suministro) (10 Nm, Loctite 243).



- Utilizar la nueva junta para la tapa del encendido (8) (volumen de suministro) y posicionar la tapa del encendido (9).
- Utilizar la nueva junta del limitador de par (10) (volumen de suministro) y posicionar la tapa del limitador de par (11).

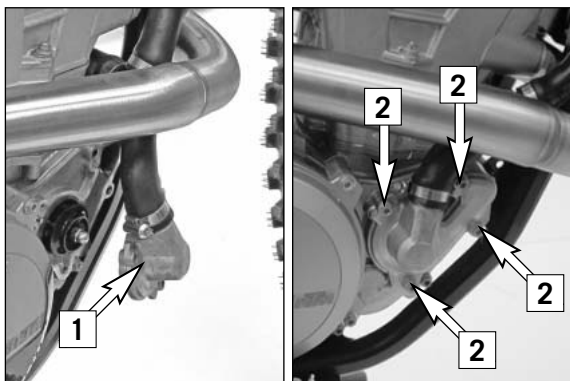


- Insertar y apretar todos los tornillos de la tapa del encendido y de la tapa del limitador de par.

- A** 2x tornillos hexagonales de collarín M6x50 (10 Nm)
- B** 3x tornillos hexagonales de collarín M6x30 (10 Nm)
- C** 1x tornillo hexagonal de collarín M6x25 (10 Nm)
- D** 1x tornillo hexagonal de collarín M6x40 (10 Nm)

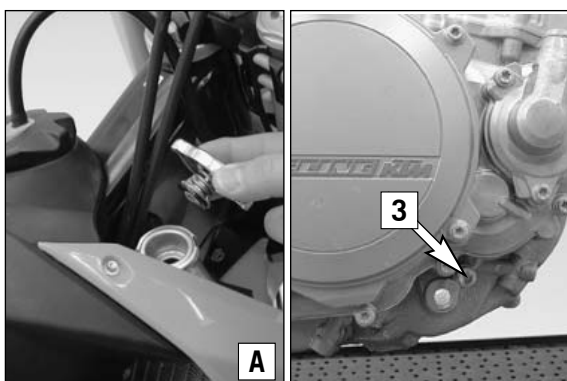
Trabajos posteriores únicamente para el kit de pedal de arranque Solo

- Montar el filtro de aire.
- Montar la tapa de la caja del filtro.
- Montar el asiento.



Trabajos posteriores para los kits de pedal de arranque Kombi y Solo

- Posicionar la tapa de la bomba de agua (1) y volver a montar los tornillos (2) (10 Nm).



- Llenar agua de refrigeración (figura A) (véase el manual de instrucciones).
- Desmontar el tornillo (3) y volver a montar el tornillo con la arandela.

! AVISO

Comprobar que todos los elementos de mando funcionen correctamente.
Revisar el nivel de aceite.