

Information

Power Parts

55112045044

2-Stroke Electric Start Kit

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KTM POWERPARTS

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Thank you.

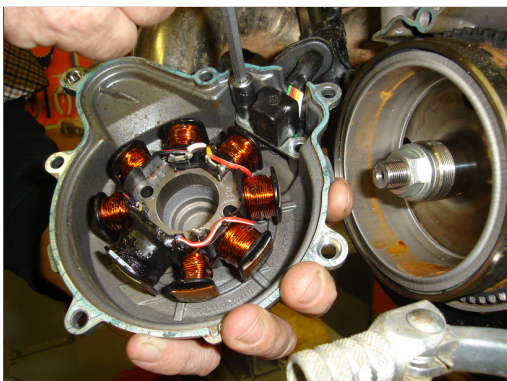


2-Stroke electric starter kit for the 2008 250 XC and 300 XC

Scope of delivery:

- 1x 55140001000 E-STARTER ENGINE KPL. 07
- 1x 59411075100 WIRING HARNESS RACING USA 05
- 1x 55140040044 STARTER DRIVE COVER 07
- 1x 55111059000 STARTER CABLE 1100MM 07
- 1x 80011034000 VOLTAGE REGULATOR 04
- 1x 5513000214433 IGNITION COVER E-START CPL
- 1x 77311055000 BATTERY CASING
- 1x 58711086000 WIRING HARNESS BATTERY DUKE'99
- 1x 50303018000 RUBBER L=145MM
- 1x 5513004514433 OUTER IGNITION COVER CPL.
- 1x 58411097100 GROUND CABLE D=6MM L=140MM '97
- 1x 55140026000 BENDIX 2007
- 1x 59411074000 STARTER CONTROL 04
- 1x 58211058000 STARTER RELAY 12V '99
- 1x 55140022000 INTERMEDIATE SHAFT CPL. 07
- 1x 55130040000 IGNITI.COVER GASKET 07
- 1x 55130041100 IGN. OUT SIDE COV. GASKET 07
- 4x 49030090000 DOWEL 9,8 X 7 X 10
- 2x 0902060083 AH OVAL SCREW ISO 7380 M 6X8
- 1x 58440099000 PROTECTION CAP F. STARTER ENG.
- 4x 0015060203 HH COLLAR SCREW M 6X20 WS=8
- 3x 0017060203 EJOT PT SCREW K60X20 WS=6
- 2x 0015060353 HH COLLAR SCREW M 6X35 WS=8
- 1x 0015060703 HH COLLAR SCREW M 6X70 WS=8
- 1x 0985060003 SELF LOCK. NUT DIN0985-M 6
- 1x 0025060126 HH COLLAR SCREW M6X12 TX30
- 1x 58411098100 CONTACT WASHER M6 VSV-K6
- 1x 0015060253 HH COLLAR SCREW M 6X25 WS=8
- 1x 50308052000 BUSH FOR SPOILER 6X11X16X5 MM
- 1x 58440099000 PROTECTION CAP F. STARTER ENG
- 2x 58011109110 FUSE 10 A 2000
- 1x 0015060303 HH COLLAR SCREW M 6X30 SW=8
- 1x 5x10 HH COLLAR SCREW
- 2x 6mm LOCK NUTS

NOTE: Battery is not included. The part number for the battery is 77311053000. Battery must be charged before using.



Start by removing the seat, fuel tank and airbox cover.

Remove the ignition cover.

Remove the stator and pulser coil from the ignition cover.

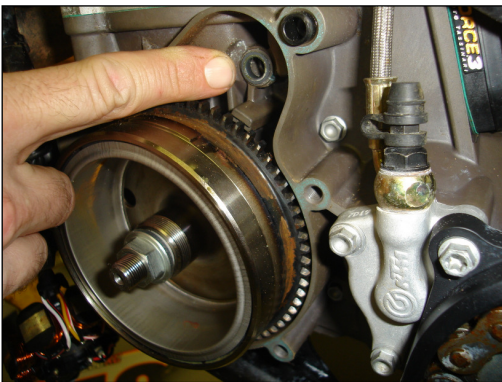


Prepare the bendix for mounting by spraying some light penetrant oil on the bendix spring.

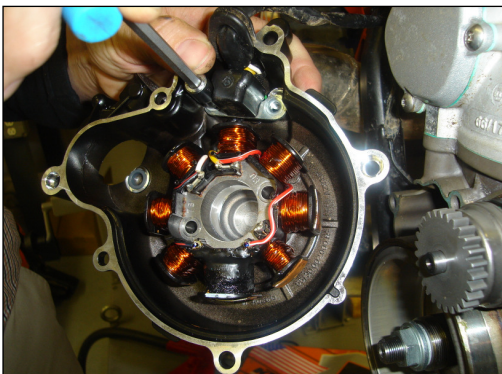
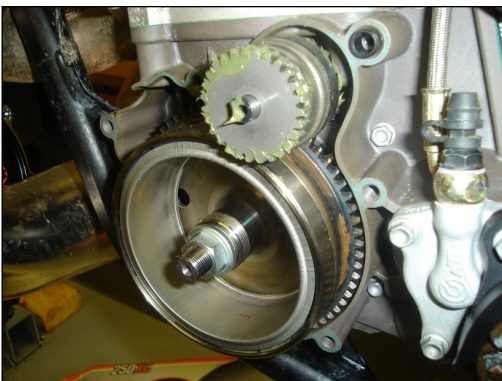
Do not put grease on the bendix spring.



Apply grease to the bendix gears.



Then mount the bendix assembly into the existing hole in the engine case.



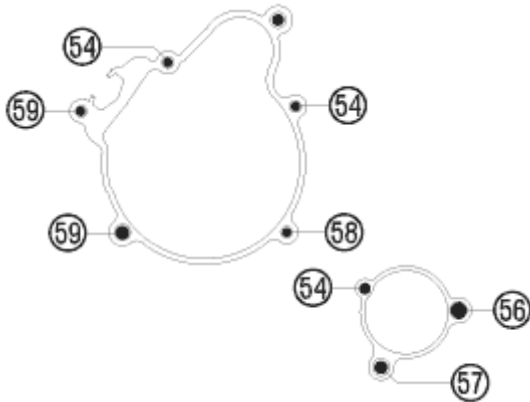
Mount the stator and pulser coil in the new ignition cover. Use loctite 243 on the stator and pulser coil bolts.

Use the new ignition cover gasket provided in the kit when mounting the ignition cover.



Prepare the intermediate shaft (p.n.55140022000) for mounting by lightly coating the gear and the shaft with grease.

Mount the intermediate shaft in the ignition cover.



Mount the ignition cover with some of the existing bolts used to mount the original ignition cover and some of the new bolts from the kit to mount the new ignition cover. Use the bolt pattern displayed to the left as a guide.

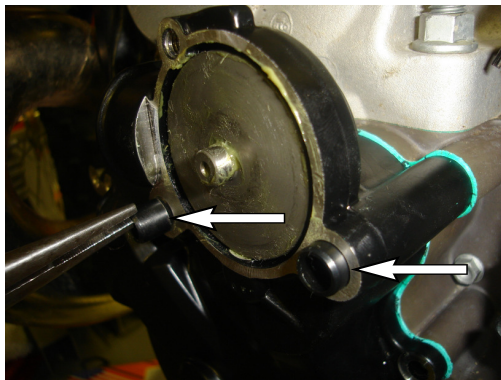
Position 54 = 3 x 0015060163 HH Collar Screw M6x16 WS=8

Position 56 = 1 x 0015060703 HH Collar Screw M6X70 WS=8

Position 57 = 1 x 0015060253 HH Collar Screw M6X25 WS=8

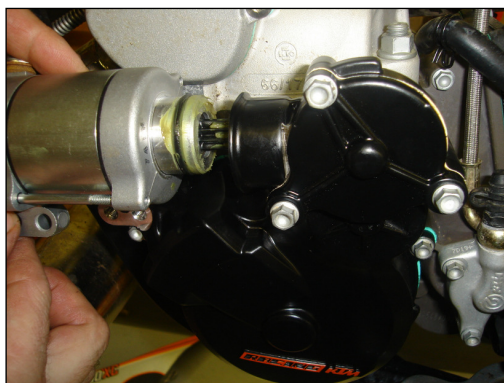
Position 58 = 1 x 0015060303 HH Collar Screw M6X30 SW=8

Position 59 = 2 x 0015060353 HH Collar Screw M6X35 WS=8



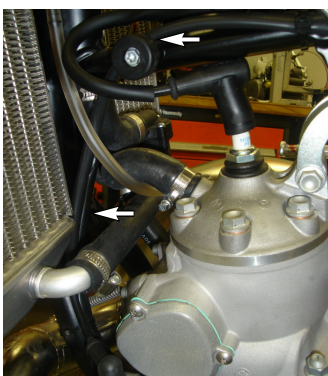
Using two of the supplied dowels, mount them in the outer ignition cover bolt holes as the arrows indicate.

Mount the outer ignition cover gasket and cover.



Lightly grease the starter shaft and o-ring and insert it into the ignition cover for mounting.

Mount the starter to the ignition cover with the two 6x20 HH collar screws (p.n.0015060203) supplied in the kit.

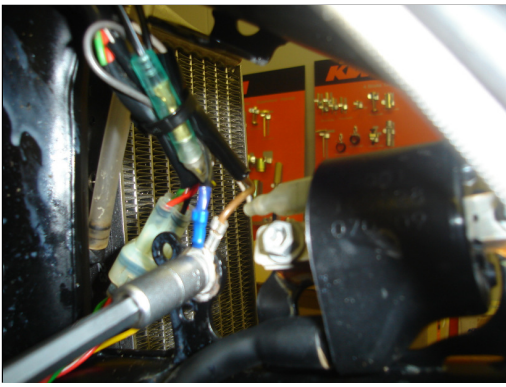


Connect the starter cable to the starter using the self locking nut (p.n.0985060003) supplied in the kit.

Put the rubber boot over the starter and cable connection.

Route the starter cable upwards between the radiator hose and radiator along the frame. Then Route the cable up and over the fuel tank resting mount and towards the back of the motorcycle. Zip-ty the cable to the frame.

Attach the plastic starter drive cover to the ignition cover.

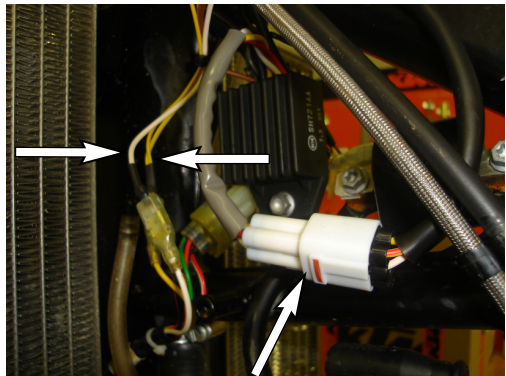
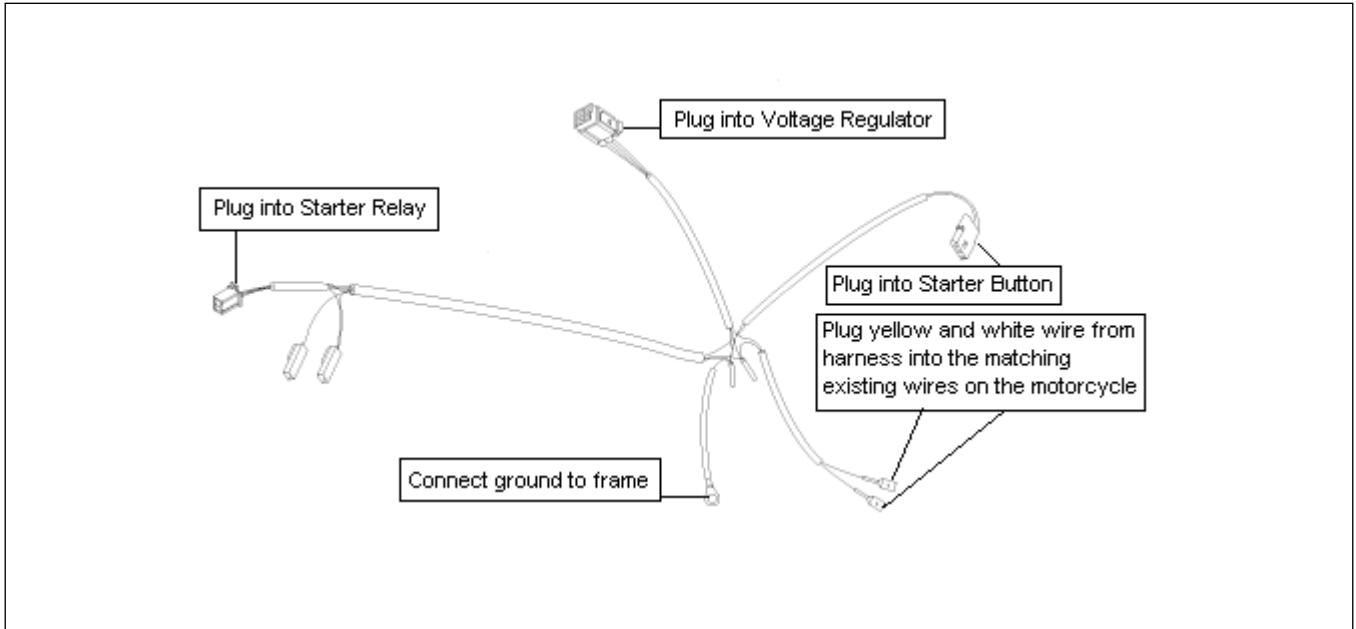


In preparation to mount the voltage regulator and wiring harness, remove the screw that connects the two wires to the frame. The voltage regulator will attach to this frame mount.

These two wires along with the ground wire from the wiring harness (p.n.59411075100) supplied in the kit will be moved and connected to the mount that holds the ignition coil to the frame.

Prepare mounting and routing the new wiring harness (p.n.59411075100) supplied in the kit.

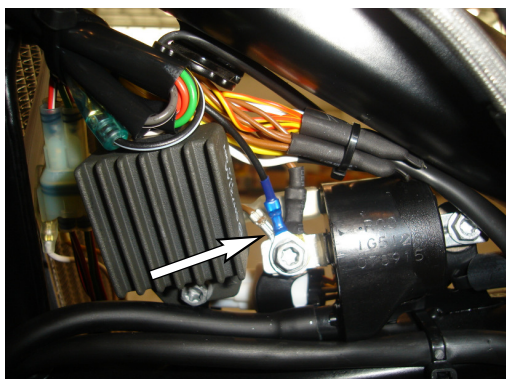
See the connection locations of the new wiring harness below.



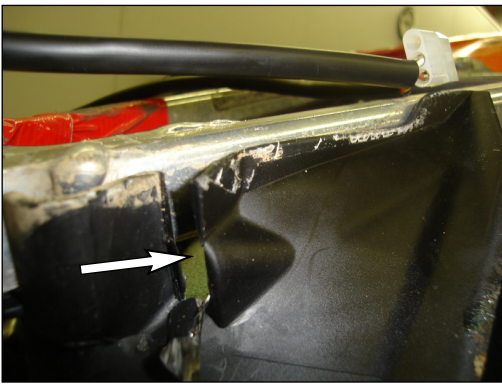
Attach the voltage regulator to the frame mount with the supplied M 6x12 HH Collar Screw (p.n.0025060126).

Connect the voltage regulator plug into the coinciding connector from the wiring harness.

Plug the yellow and white wire from the harness into the matching wires that are already existing on the motorcycle.

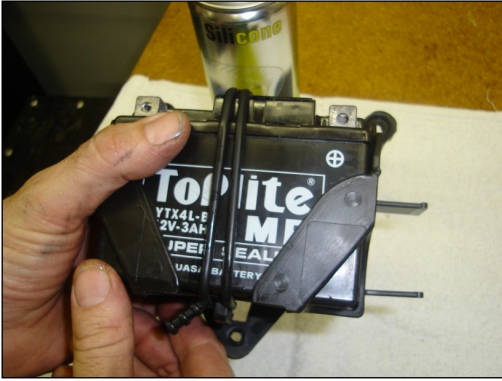


Connect the two wires along with the ground wire from the wiring harness to the mount that holds the ignition coil to the frame.



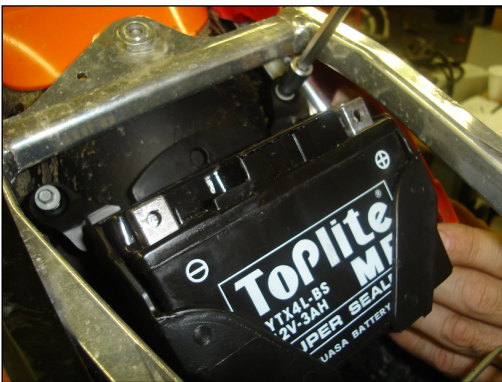
In order to run the starter cable and wiring harness to the battery you must cut out a slot in the airbox.

Route the starter cable and the end of the wiring harness with the plug that will connect to the starter relay into the airbox through the cut out.

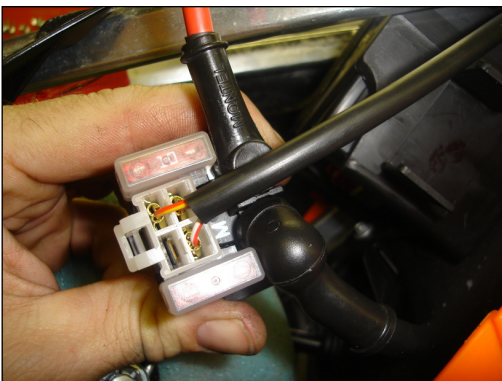


Prepare installation of the battery box, battery and rubber hold down strap.

Install the battery in the battery box and mount the rubber battery hold down strap to the battery box before installing them in the airbox.



Use the three EJOT PT screws (p.n.0017060203) to mount the battery box in the airbox.



Prepare the starter relay for mounting.

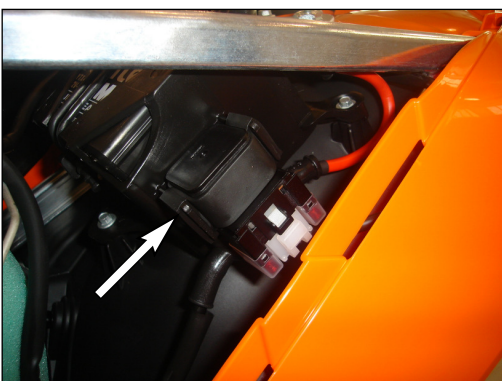
Connect the black starter cable to the connection labeled with the M using one of the allen head oval screws (p.n. 0902060083).

Connect the red battery cable to the connection labeled with the B using the other allen head oval screw.

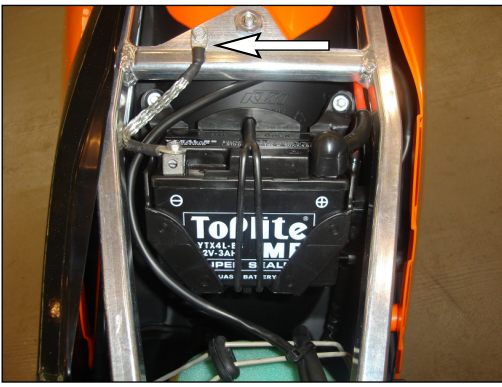
Install the two 10 amp fuses.

Plug the connector from the wiring harness into the starter relay.

Cover the terminal connections with the rubber protection caps.



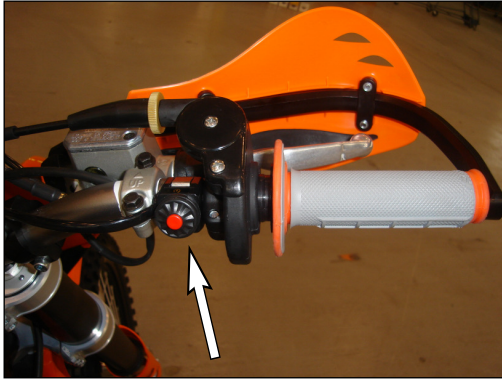
Clip the starter relay into the side of the battery box to mount it.



Connect the ground cable to the pre-drilled hole in the subframe using the contact washer (p.n.58411098100) and the 6x10 HH collar screw (p.n.0025060106)

Connect the ground to the battery.

Connect the red battery cable to the battery.



Mount the e-starter button on the right side of the handlebar.



Route the plug of the wiring harness that plugs into the e-starter button towards the front of the motorcycle and through the space between the frame and radiator.

Connect the plug from the harness to the e-start button.

Double check all connections, re-mount the seat, fuel tank and airbox cover.