50 SXS Digital Ignition System

Instruction Manual

KTM

Kit Components

1. Ignition coil
2. Coil Bracket
3. CDI-clamp
4. CDI-box
5. Rubber bracket
6. Stator
7. Rotor
8. Wiring harness
9. Special tool
10. M5x20 screw*
11. Wire hose clamp*
12. CDI Mount*
*Not shown in picture

Ignition Coil
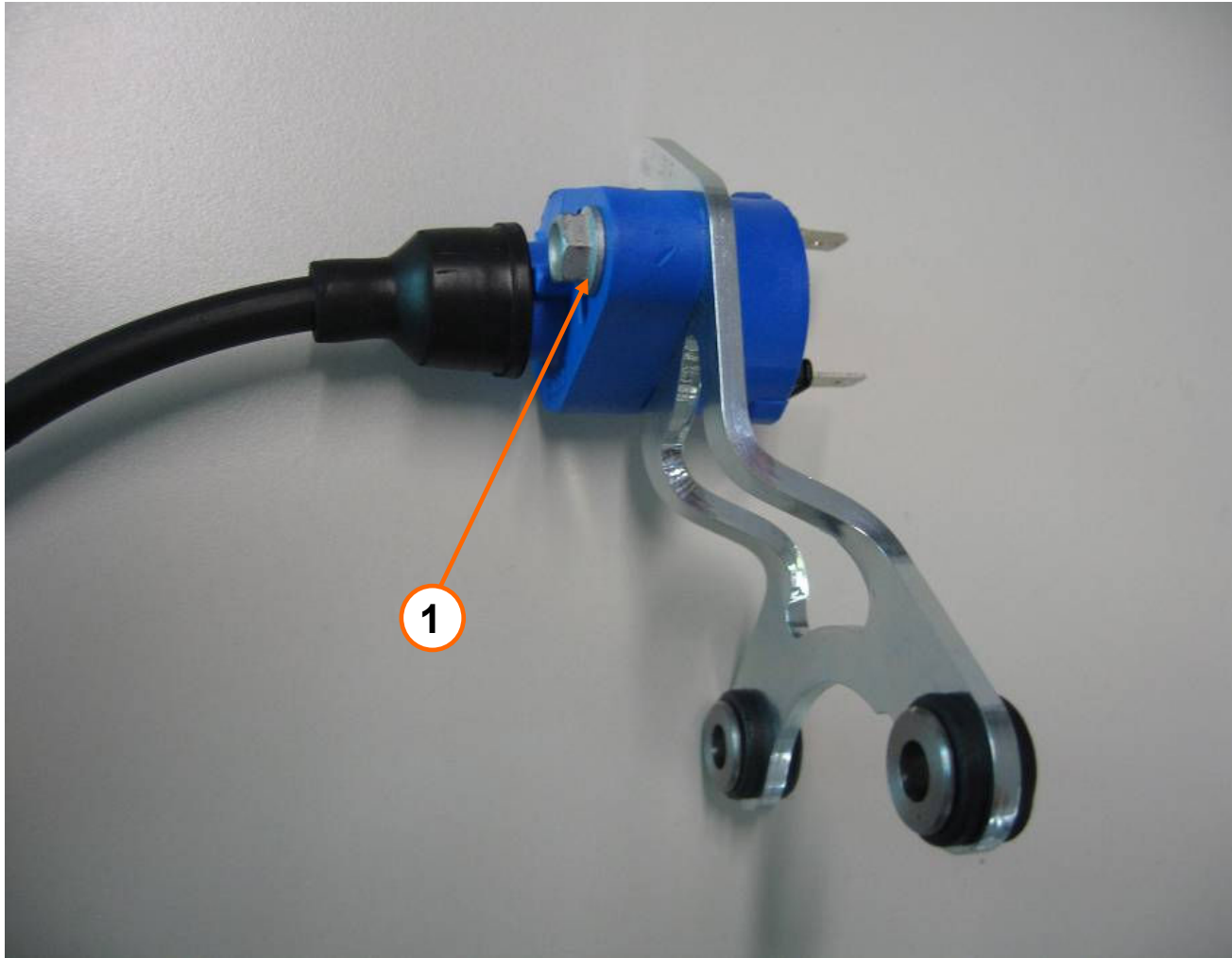
» Mount the ignition coil to the bracket as shown in the picture using the supplied m5x20 collar screw (1).

» Re-use the stock rubber and bushings with the new bracket.

Mounting of Stator
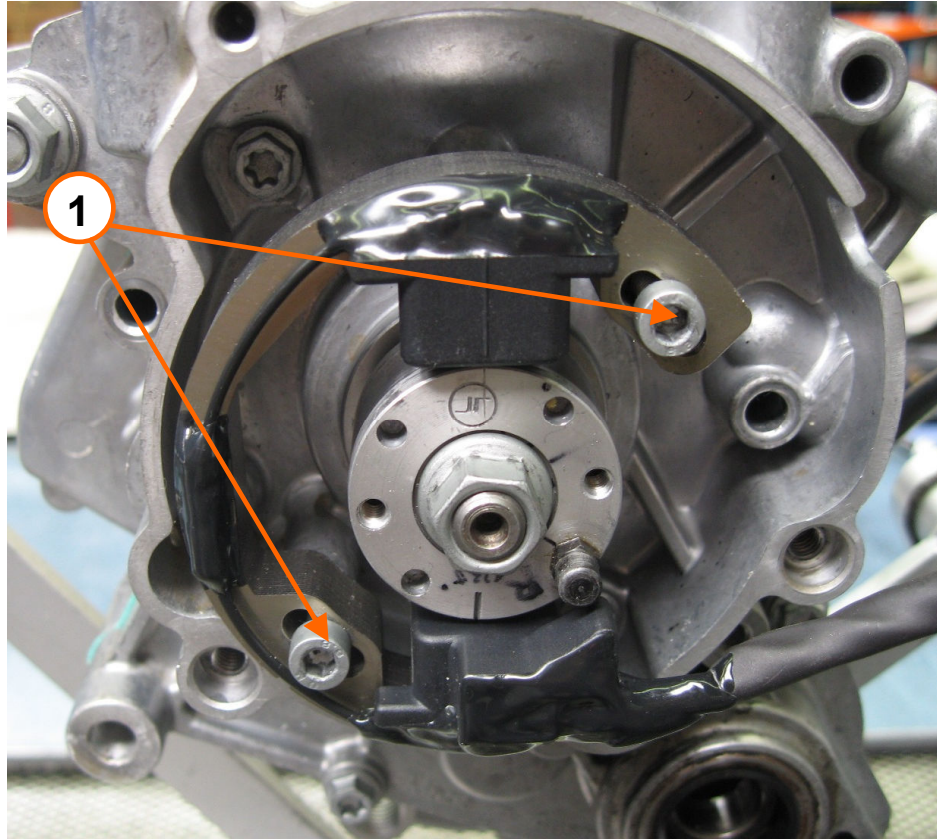
» Assembling the SXS stator and rotor is the same process as with the stock ignition system.
» Before tightening the screws (1) by hand, make sure that they are in the middle of the slots of the stator
» Apply blue thread lock 243 and tighten the rotor nut to 15NM.

Adjusting of Stator
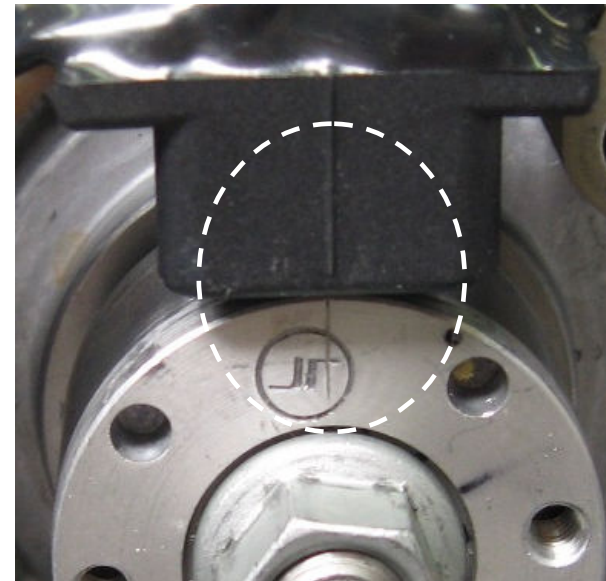
» Remove the spark plug and insert the special tool (2) and tighten it carefully by hand, then turn the crankshaft counterclockwise until the piston rests against the gauge – now the crankshaft is positioned 29° before TDC

» Turn the stator until the two marks are aligning and tighten the two screws of the stator (6Nm) and blue threadlock 243

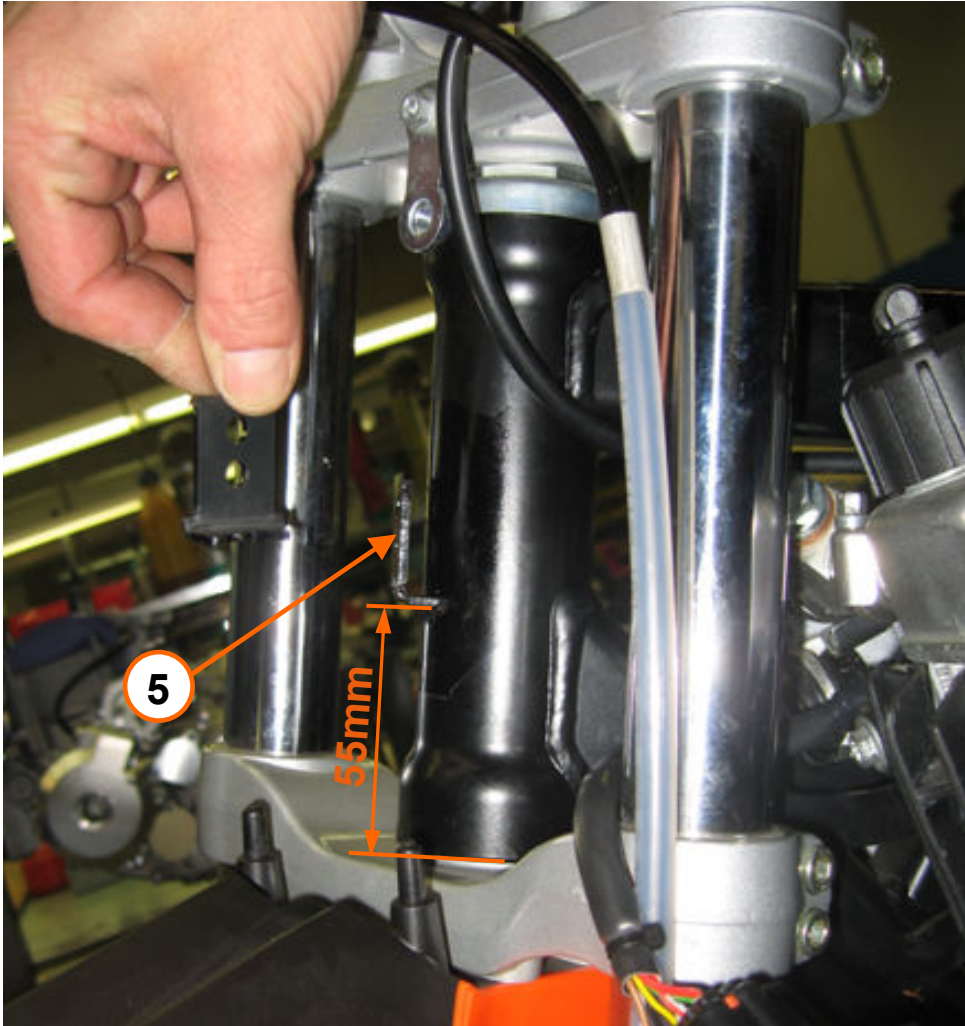» Remove the special timing tool and reinstall the spark plug.

Wiring
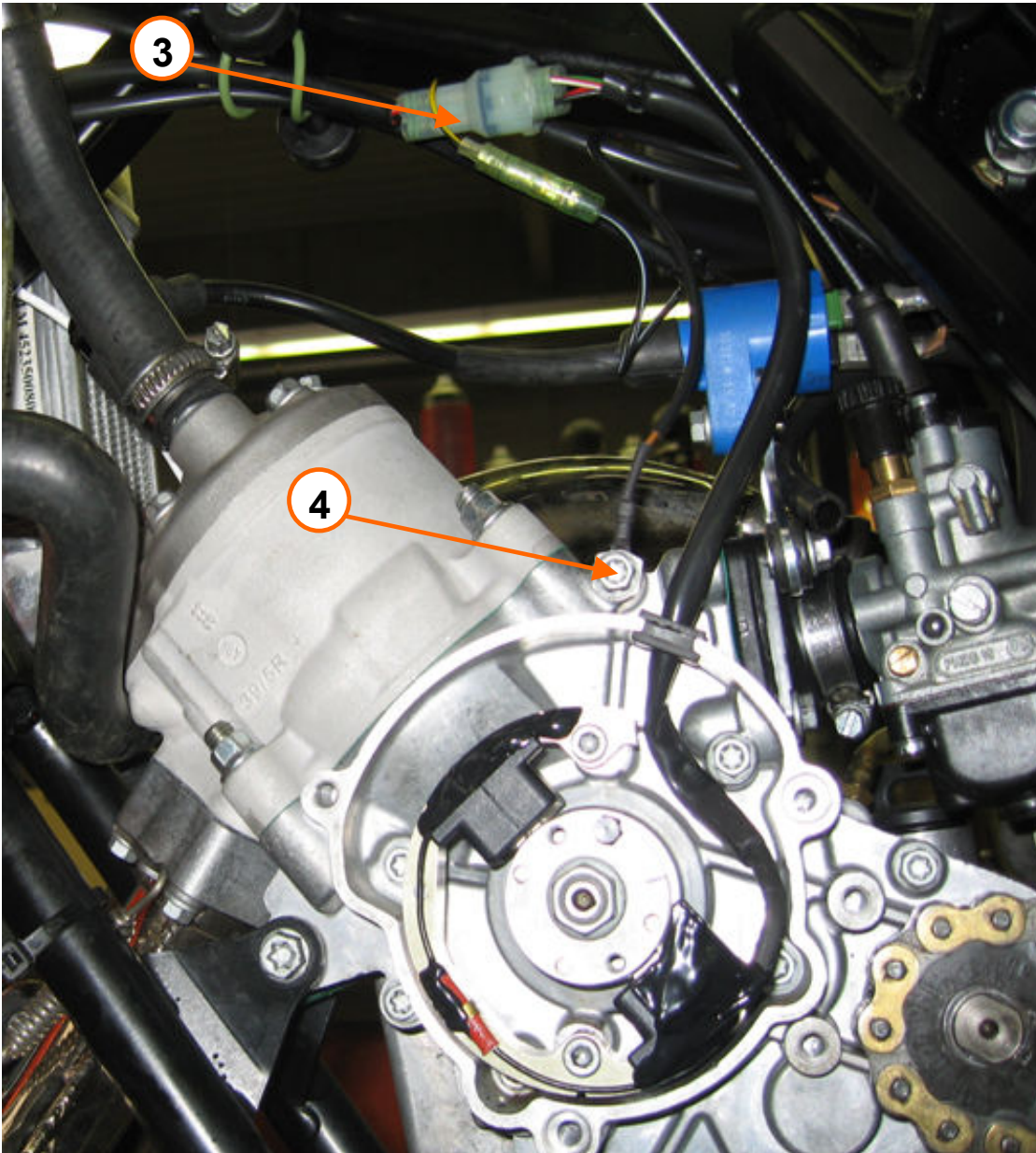
» Cable routing is also the same as on the stock bike

» Connect the stator with the wiring harness (3)

» Assemble the brown cable (ground) to the engine case (4)

» Connecting of the ignition coil:

| Cable Connector -Ignition Coil	Cable Connector -Wiring Harness
Green	Blue/white
Black	Brown

Mounting of CDI box

» In case there is no clamp (Models before frame modification during MY 2012 production) weld the CDI-clamp (5) to the steering tube as shown in the picture. Or if you prefer use the bolt on CDI mounting plate and supplied wire hose clamp to attach the mounting plate to the steering head. (6)
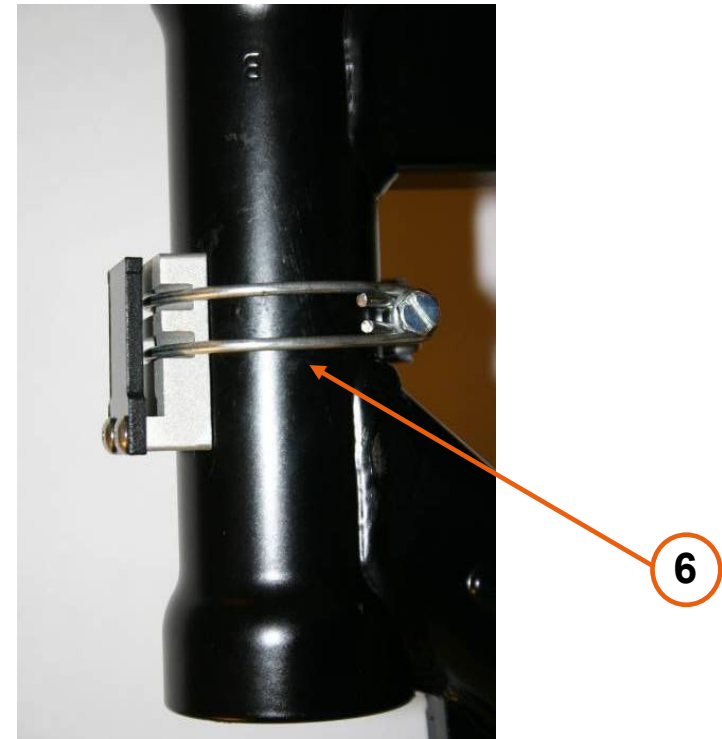
Mounting of CDI box
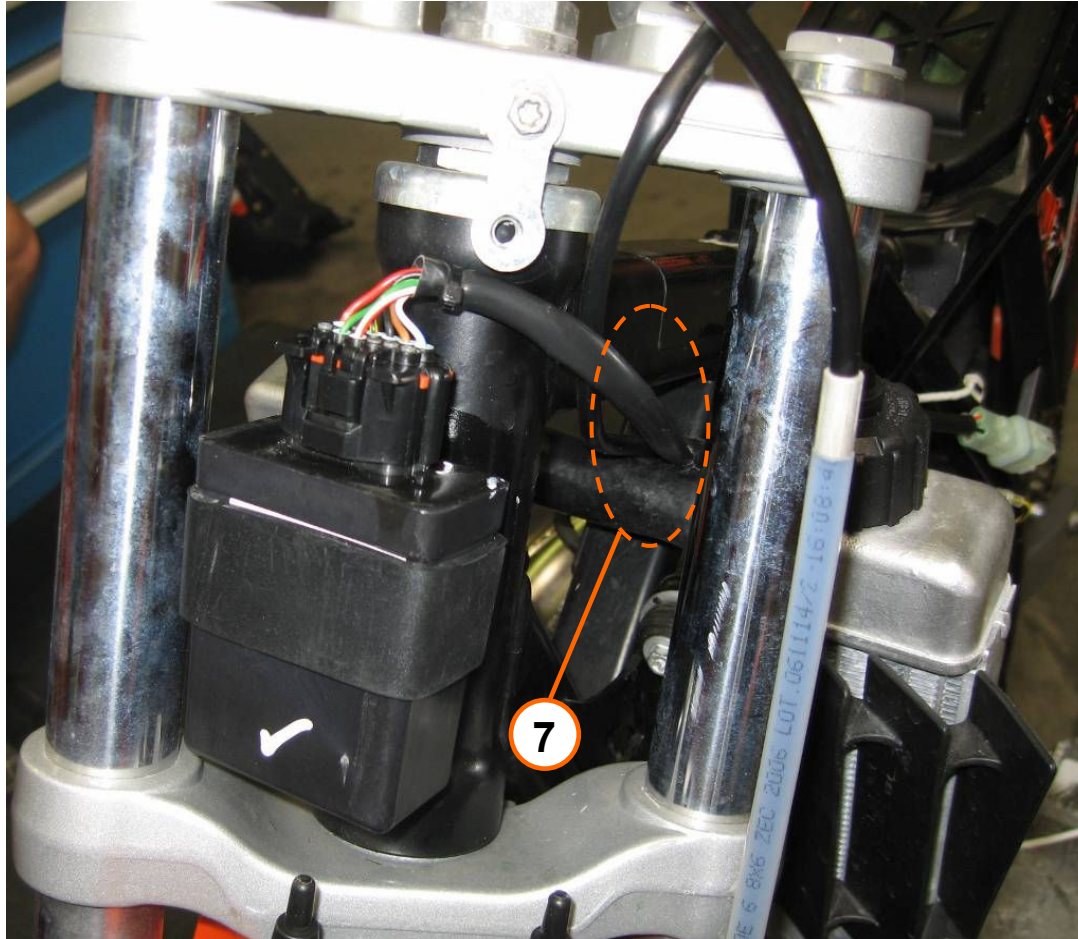
» Guide the CDI-cable as show in the left picture (7), fix it to the frame