

040-0457 WIRTH Fork Springs F650GS Dakar

READ THESE INSTRUCTIONS COMPLETELY BEFORE ATTEMPTING INSTALLATION!  
WE RECOMMEND YOU HAVING A PROFESSIONAL MECHANIC COMPLETING ANY WORK ON  
MOTORCYCLE SUSPENSION.

1. Cover the front tank area with towel or rug. If necessary, loosen the handlebar clamps and set handlebar securely on the bike so that it can't fall. Lift the motorcycle up using a lift or block under the motor so that front wheel is off the ground. Make sure motorcycle cannot fall.
2. Loosen now the top caps on the forks. NOTE: springs are under pressure so open top caps carefully! Check first that the fork oil is at correct level based on motorcycle manufacturer's recommendations. Correct the oil level if required. Check the level with a measuring tape with stock spring in the fork and wheel off the ground from oil level in the fork to the top of the fork. More oil information is also available on the manufacturer's website at [www.wirth-federn.de](http://www.wirth-federn.de) for most spring types.
3. Pull original springs out of the forks. Pushing the wheel up a bit may help to get the springs out of the fork tubes. Set now the new Wirth springs in to the fork tubes with the tighter wound end up. If stock springs are installed with spacers, Wirth springs are often build as long as the stock springs with spacers. In that case do not reinstall the spacers with Wirth springs. If Wirth springs are as long as the stock ones and spacers are used with stock springs, then spacers need to be reinstalled with Wirth springs. Wirth springs are also sometimes delivered with spacer that needs to be installed to create correct total length, sometimes under preload.
4. If the fork oil needs to be changed, open the drain screw that usually is on the bottom of the fork. Front axle may need to be removed in some models. Pump the fork down several times to get all oil out of the forks. Close the drain screw and refill with fresh oil using viscosity and amount recommended by motorcycle manufacturer unless otherwise noted by Wirth.