

Enduro Engineering Brake Light Switch Installation



FIG 1



FIG 2



FIG 3

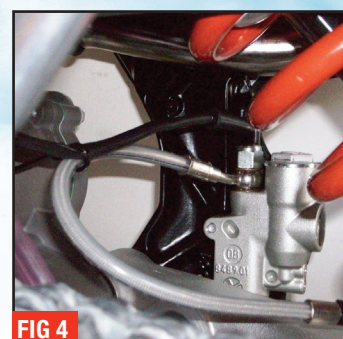


FIG 4

- 1 Place motorcycle on a stand so that the rear wheel is off the ground.
- 2 Remove the seat and gas tank.
- 3 Using a 12mm wrench, loosen the banjo bolt securing the rear brake line to the rear brake master cylinder, but don't remove it yet. (Figure 1)
- 4 Using an 8mm socket or T-handle, remove the 2 rear master cylinder mounting bolts. Pull the master cylinder up and off of the brake pedal push rod.
- 5 Now remove the banjo bolt that was loosened in step 3 and set the master cylinder aside keeping it upright so that the brake fluid does not spill out. Save the 2 copper seal washers. You will have to re-use them. (Figure 2)
- 6 Put one of the copper sealing washers on the bolt portion of the new brake light switch. Now insert the switch through the brake line banjo fitting. Put the last copper sealing washer on the switch. NOTE: You must have 1 copper sealing washer on each side of the brake line banjo fitting. (Figure 3)
- 7 Now thread the brake light switch into the master cylinder and lightly tighten the switch with a 14mm wrench.
- 8 Insert the brake pedal push rod into the master cylinder. Re-install the master cylinder on the bike, making sure to apply a small amount of thread lock on to the mounting bolts.
- 9 Route the wiring under the exhaust pipe and zip tie it to the rear brake hose as shown in (Figure 4).
- 10 Route the wiring under the air boot and up the left side of the frame and into the air box through the slot in the top of the air box shown in (Figure 5).
- 11 Unplug the three pin tail light connector from the main wiring harness. This connection is found in the air box directly over the air filter. (Figure 6)
- 12 Plug the male connector from the brake light switch into the female connector on the tail light wiring harness. Plug the female connector from the brake light switch into the male connector from the bike's main wiring harness. (Figure 7)
- 13 Zip - tie all wiring up and out of the way so that it will not interfere with air filter access.
- 14 Re-install the gas tank and the seat.
- 15 Remove the filler cap on the rear brake master cylinder. Add brake fluid as needed to bring the fluid up to the level specified in your KTM owner's manual. Loosen the brake light switch ¼ turn with a 14mm wrench. Now push the rear brake caliper in towards the brake rotor as far as it will go. (Figure 8) This will force the caliper piston in and any air trapped in the brake hose and/or master cylinder up and out of the rear brake hose/brake master cylinder connection. Hold the caliper in firmly and tighten the brake light switch with a 14mm wrench. Now release the rear brake caliper. (Figure 9) **WARNING: RELEASING THE CALIPER BEFORE THE BRAKE LIGHT SWITCH IS TIGHTENED WILL SUCK AIR INTO THE BRAKE SYSTEM.** Now pump the rear brake pedal to push the caliper piston tight to the brake pads.
- 16 Pump the brake pedal a couple more times. Make sure you have a good firm feeling rear brake pedal. If not, repeat steps 15 and 16. If you are still unable to obtain a firm feeling rear brake pedal, you probably have some air trapped in the rear brake system. Have the brake system bled by your KTM dealer.

WARNING: DO NOT RIDE THE MOTORCYCLE UNTIL YOU HAVE THE BRAKE SYSTEM PROFESSIONALLY BLEED!!!! RIDING THE MOTORCYCLE WITH AN IMPROPERLY FUNCTIONING REAR BRAKE SYSTEM COULD CAUSE A LOSS OF CONTROL RESULTING IN SERIOUS PERSONAL INJURY OR DEATH!



FIG 5

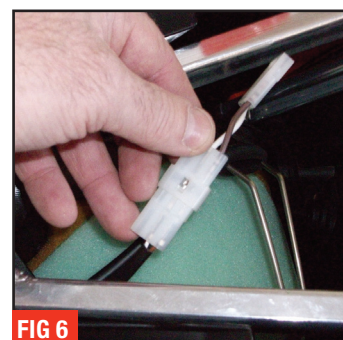


FIG 6

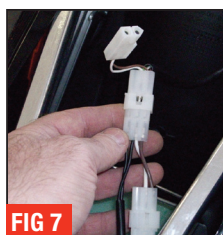


FIG 7



FIG 8



FIG 9

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INSTRUCTIONS

Brake Light Switch Installation
Part# 30-101, 30-114