



RECALL: This modification has top priority and must be performed immediately to insure customer safety.

Subject: Factory Direct Modification Campaign - Retrofit, Rear Brake System

Affected models: 2004, 2005 and 2006, 950 Adventure, 950 Adventure S, 950 Supermoto and 950 Super Enduro

Initial Information:

- » KTM North America has determined that a defect which relates to motor vehicle safety exists in all 2004, 2005 and 2006 950 Adventure, 950 Adventure S, 950 Supermoto and 950 Super Enduro models. To ensure the highest level of performance, reliability and customer satisfaction, it is necessary to update the rear brake system to the most current specifications. Please read this entire bulletin before taking any action as each model year requires individual kits!
- » On affected models, during use the rear brake may feel spongy or soft to the rider when applying the brake; this could result in the loss of proper rear braking performance. Failure of rear brake system could result in a loss of proper braking performance and subsequently lead to an accident which could cause injury or death to the rider or others.
- » It has been determined that the cause of the defect involves the potential for air bubbles to enter into the brake system during vehicle operation. To remedy this, a redesigned rear brake caliper / piston kit and a master cylinder incorporated with a new piston seal assembly are required. All master cylinders will be fitted with a cap utilizing a newly designed membrane to eliminate any air being introduced into the system. **NOTE:** This is not a replacement for proper brake maintenance.
- » KTM has notified all registered owners of all affected motorcycles by mail. A copy of this letter is included in this bulletin. The customer should take the letter along with the affected motorcycle to a KTM dealer for the modification.

Continued on next page

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- » You must perform this modification on all affected motorcycles in your inventory prior to customer delivery. Any 2004, 2005 and 2006 950 Adventure, 950 Adventure S, 950 Supermoto and 950 Super Enduro's sent directly from KTM will require this modification prior to customer delivery. Units acquired in dealer transfers or trades must be checked in Dealer.Net to ensure the modification has been performed.
- » Motorcycles that are affected should not be operated until they are modified. It is a violation of KTM policy for your dealership to deliver any affected motorcycle to customers until the procedure in this bulletin has been performed.
- » KTM must report to the federal government on a regular basis how many units have been modified during this campaign. Be sure to submit your Warranty Request for Reimbursement on every unit modified to ensure accurate compliance numbers.

Procedure for Replacement:

- » Please note that each model year requires different parts and repair procedures!! The model year of the motorcycle can be found in KTM Dealer.Net or by checking the 10th digit of the motorcycles VIN Number. Example VBKVA44056MXXXXXX is a 2006 model.
- » Factory Direct Modification - **Retrofit U1 (600.13.100.000)** is required for all 2004 models listed below. 50 minutes repair time. Parts should only be ordered under the KIT PART NUMBERS at the top of the chart.

RETROFIT - U1 Brake kit U1 (600 13 100 000)	
Modelyears	2004
Models	950 Adventure 950 Adventure S
Article	Art. Nr.
Main brake cylinder	60013060200
Brake pistons	60013083200
Rep kit. sealing rings	60013081000
Cu- seal ring 4x	42013226000
Brake fluid DOT 5.1 1/4l	00062030000



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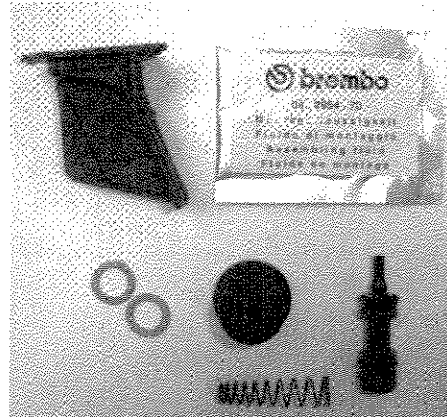
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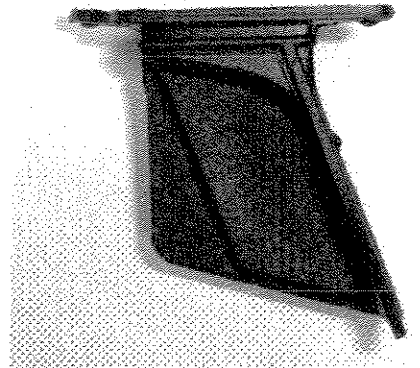
- » Factory Direct Modification - **Retrofit U2 (600.13.100.100)** is required for all 2005 models listed below. 45 minutes repair time. Parts should only be ordered under the KIT PART NUMBERS at the top of the chart.

RETROFIT – U2 Brake kit U2 (600 13 100 100)	
Modelyear	2005
Models	950 Adventure 950 Adventure S 950 Supermoto
Article	Art. Nr.
Repair kit piston	60013061000
Brake fluid DOT 5.1 1/4l	00062030000
Cu- seal ring 2x	42013226000
New Membrane	60113065000



- » Factory Direct Modification - **Retrofit U3 (600.13.100.200)** is required for all 2006 models listed below. Please see chart for required parts and part numbers. 25 minutes repair time. Parts should only be ordered under the KIT PART NUMBERS at the top of the chart.

RETROFIT – U3 Brake kit U3 (600 13 100 200)	
Modelyear	2006
Models	950 Adventure USA 950 Adventure S USA 950 Supermoto 950 Superenduro
Article	Art. Nr.
Brake fluid DOT 5.1 1/4l	00062030000
New Membrane	60113065000


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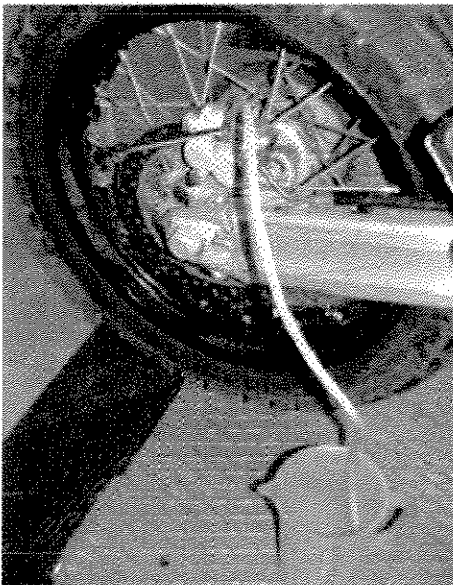
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- » Repair instructions for **U1 Retrofit**, for complete repair instructions please refer to the 950 / 990 Repair manual on CD # 3.206.035

Retrofitting – U1



Picture 1

Drain the rear brake fluid:

1. Remove the cap on the main brake cylinder
2. Install a drain hose on the caliper bleed screw and place the other end into a reservoir (Picture 1)
3. Open the bleed screw and pump the brake pedal until the brake system is empty.

» Remove the rear wheel and the complete rear brake system from the motorcycle

1. Unscrew the brake light switch from the rear brake master cylinder and remove the connection between the brake pedal and the piston rod of the master cylinder. The master cylinder is attached with 2 fasteners to the motorcycles frame. After removing the rear wheel, the complete rear brake system can be removed from the swingarm.

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Compressed air**Picture 2****» Replacing the brake pistons in the rear brake caliper:**

1. Disassemble the brake line from the rear brake system and remove the caliper support from the brake caliper
2. Remove the retaining clips, the pin and the brake pads.
3. Use a spacer in place of the brake pads and blow compressed air into the brake line bore to push the pistons out. (picture 2)
4. Remove the caliper pistons, the scraper rings and the seal rings. Be careful not to cause any damage to the brake cylinder surface
5. Clean the caliper carefully with brake cleaner
6. Install the new sealing rings (600.13.081.000) followed by the new insulated brake pistons (600.13.083.200). Lubricate the new parts with Dot 5.1 brake fluid or use the supplied assembly fluid
7. Apply some grease on the guiding pin before you install the brake caliper on the caliper support
8. Install the brake pads, support pin, the brake line using new copper washers and the rear wheel
9. Attach the master cylinder to the motorcycles frame using Loctite 243 on the 2 fasteners. Mount the brake line with new copper washers and install the brake light switch to the main brake cylinder. Connect the master cylinder with the rear brake pedal.

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Picture 3

» Fill and bleed the rear brake system:

1. Fill the fluid in the master cylinder to the top. (picture 3)
2. Pump the brake pedal several times
3. Apply pressure to the brake and open the bleed screw
4. Close the bleed screw and slowly release the rear brake pedal
5. Repeat this procedure several times

6. Press the brake pedal down and secure it in this position
7. Open the bleed screw
8. Press the brake caliper against the brake disc so that the pistons are pushed back into the brake caliper. (picture 4)
9. Press the brake pedal fully down and close the bleed screw
10. Repeat this procedure several times until firm brake pressure is noticed
11. On the last repetition close the bleed screw without pressing down on the rear brake pedal



Picture 4

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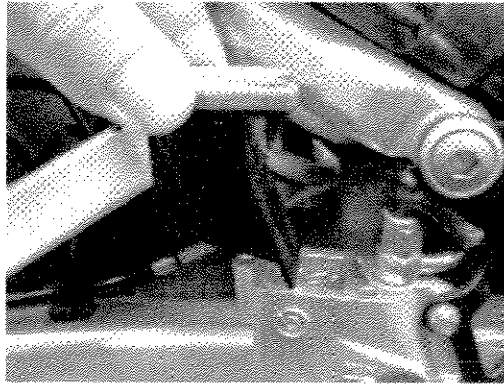
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**Picture 5**

- » The reservoir must be filled at least 3mm over the full line so that the brake fluid overflows when the cap with the new membrane is mounted (picture 5) NOTE: Cover all painted parts to protect them from spilled brake fluid

- » **Confirm the rear brake pressure point:** Pump the rear brake pedal several times until the brake pads rest against the rear brake disc. Confirm solid brake pressure (bleed if necessary) and carry out a test ride of the motorcycle.

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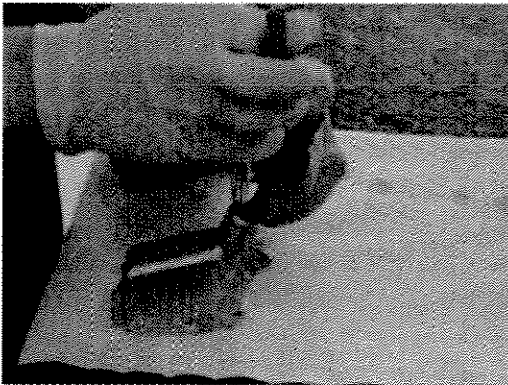
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Retrofitting – U2

1. Drain the rear brake fluid as described in **Retrofit U1** above
2. Remove the rear master cylinder from the motorcycle along with the rear brake light switch and the brake line from the master cylinder to the rear caliper. Remove the connection to the rear brake pedal.



Picture 6

» Replacing the master cylinder piston kit:

1. Remove the rubber cover from the master cylinder and remove the cir – clip (picture 6)
 2. Remove the piston rod, the piston with the spring and clean the master cylinder completely with brake cleaner
3. Lubricate and carefully install the new piston kit (600.13.061.000) into the master cylinder and secure it with the cir – clip.
 4. Push the rubber cover back into position
 5. Secure the master cylinder to the motorcycles frame using Loctite 243 on the 2 fasteners
 6. Mount the brake line using new copper washers and connect the brake light switch to the master cylinder
 7. Connect the master cylinder with the brake pedal
 8. Replace the reservoir diaphragm with the new membrane (601.13.065.000)

- » Confirm the rear brake pressure point: Pump the rear brake pedal several times until the brake pads rest against the rear brake disc. Confirm solid brake pressure (bleed if necessary) and carry out a test ride of the motorcycle.

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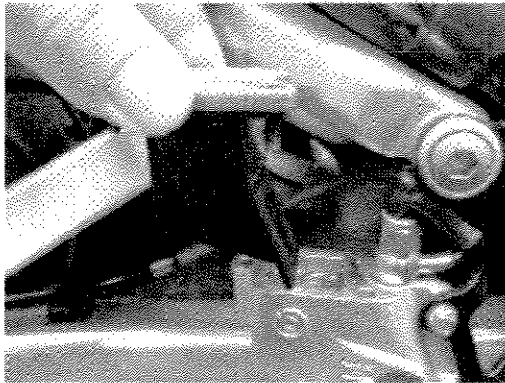
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Retrofitting – U3

1. Replace the reservoir diaphragm in the master cylinder with the new membrane (601.13.065.000)
2. Fill and bleed the rear brake system as described in **Retrofit U1** and flush through at least 3 complete reservoirs of brake fluid DOT 5.1



- » **Confirm the rear brake pressure point:** Pump the rear brake pedal several times until the brake pads rest against the rear brake disc. Confirm solid brake pressure (bleed if necessary) and carry out a test ride of the motorcycle.
- » **NOTE:** Normal wearing parts associated with the rear brake system of this motorcycle will not be covered under KTM Warranty. I.e. brake pads, brake rotor(s) and etc...

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» **Warranty input information:**

Replaced parts:	
See the above tables U1, U2, U3	
Input warranty claim:	
Warranty type:	TI Warranty
Subassembly group:	13 Brake system
Failure code:	900 Trouble-shooting at manufacture's site
Failure causing part:	60013060000 Main brake cylinder
Campaign-code:	Table U1 G.07.047.13 Table U2 G.07.048.13 Table U3 G.07.049.13
Spare parts:	Brake kit U1 (600.13.100.000) Brake kit U2 (600.13.100.100) Brake kit U3 (600.13.100.200)
Labour time:	Included in the respective campaign code. U1: 50 Min / U2: 45 Min / U3: 25 Min
Stock parts affected:	Parts that do not have the article numbers in the tables above, can be exchanged cost-free in the KTM spare part center

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