Kubota D 722 injector pump repair
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The Injector pump Avant p/n 65136, Kubota p/n 16006-51010 is bolted to the engine with 4 pcs 5 mm allen screws.

When opening the screws the injector pump will pop upwards a little.

There is a shim plate between the engine body and the pump body. This must be placed back in its position when mounting. If the shim is forgotten the engine will not run properly.

Cover the opening in the engine body during injector pump repair so that nothing falls into the engine.
Kubota D 722 injector pump repair

If there is cold slime in the engine, the slime must be removed mechanically.
The engine oil and oil filter needs to be changed when this repair is done.
Kubota D 722 injector pump repair

In this picture the “cold slime” is visible. It is a mixture of engine oil and humidity.

This can occur when the ambient temperature is near 0 degrees Celsius and the humidity is high and usage of the motor is very short period at a time.
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Remove the retaining clip, with small screw driver.
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Remove the retaining clip, with small screwdriver
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Press in on the roller to remove the locking pin
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Press in on the roller to remove the locking pin
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Pull out the roller unit
Kubota D 722 injector pump repair

Remove the lock plate for the piston.
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1. Retainer clip
2. Locking pin
3. Roller unit
4. Lock plate
5. Piston
6. Spring
7. Upper spring cup
8. Adjustment piece
9. Control lever
Kubota D 722 injector pump repair

These parts are often corroded by the cold slime:
Both parts must be cleaned from rust with fine sandpaper or steel wool.
Kubota D 722 injector pump repair

This is how the parts are inside the pump unit. If the parts are not rustfree the pump is not working properly.
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In the piston there is a diagonal groove. This groove is set to the opposite side from the control lever.
Kubota D 722 injector pump repair: ruiskutuspumpun korjaus

Spring: Kubota p/n 15841-51280
In this picture there is rust that will cause the spring to break soon.
Kubota D 722 injector pump repair: ruiskutuspumpun korjaus

Spring: Kubota p/n 15841-51280
If there is rust the springs need to be changed.
It is a good idea to change all 3 springs when doing this repair.
Kubota D 722 injector pump repair

First the adjustment piece is placed in the pump body so that the ball is in the hole of the control lever.
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With the control lever the movement of the adjustment piece is tested.
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With the control lever the movement of the adjustment piece is tested. The adjustment piece will turn from side to side when moving the lever.
Kubota D 722 injector pump repair

The upper spring cup is next to be placed in the pump.
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The spring is mounted.
Kubota D 722 injector pump repair

Pay attention when assembling the piston to the pump. The diagonal groove is on the opposite side of the control lever. Do not push all the way down.
Kubota D 722 injector pump repair

If the piston is placed wrong way the, the engine will smoke heavily and does not stop.

Attention: The diagonal groove must be on the opposite side from the control lever.
Kubota D 722 injector pump repair

Attention: The diagonal groove must be on the opposite side from the control lever.
Kubota D 722 injector pump repair

The lock plate is placed next.
Kubota D 722 injector pump repair

On the roller unit there is a spacer that goes next.
Kubota D 722 injector pump repair

The roller unit is placed so that the opening on the side is towards the locking pin hole.
The roller unit is pushed against the spring. Until the locking pin fits. This should take very little force, if the roller feels stuck, moving the control lever a little will help.
Kubota D 722 injector pump repair

When the repair is complete the control lever should move form side to side when tilting the pump.

The pump should be lubricated with weapon oil or engine oil before being mounted back to the engine.

The retainer clip is placed back to its position.