



## **BMW Mini Aluminium Coolant Expansion Tank.**



**Please allow engine to cool for at least 2 hours before commencing with any work within the engine bay. Failure to do so could result in serious skin burns.**

### **Tools and Equipment required:**

Flat blade screwdriver.

10mm Socket and ratchet or spanner.

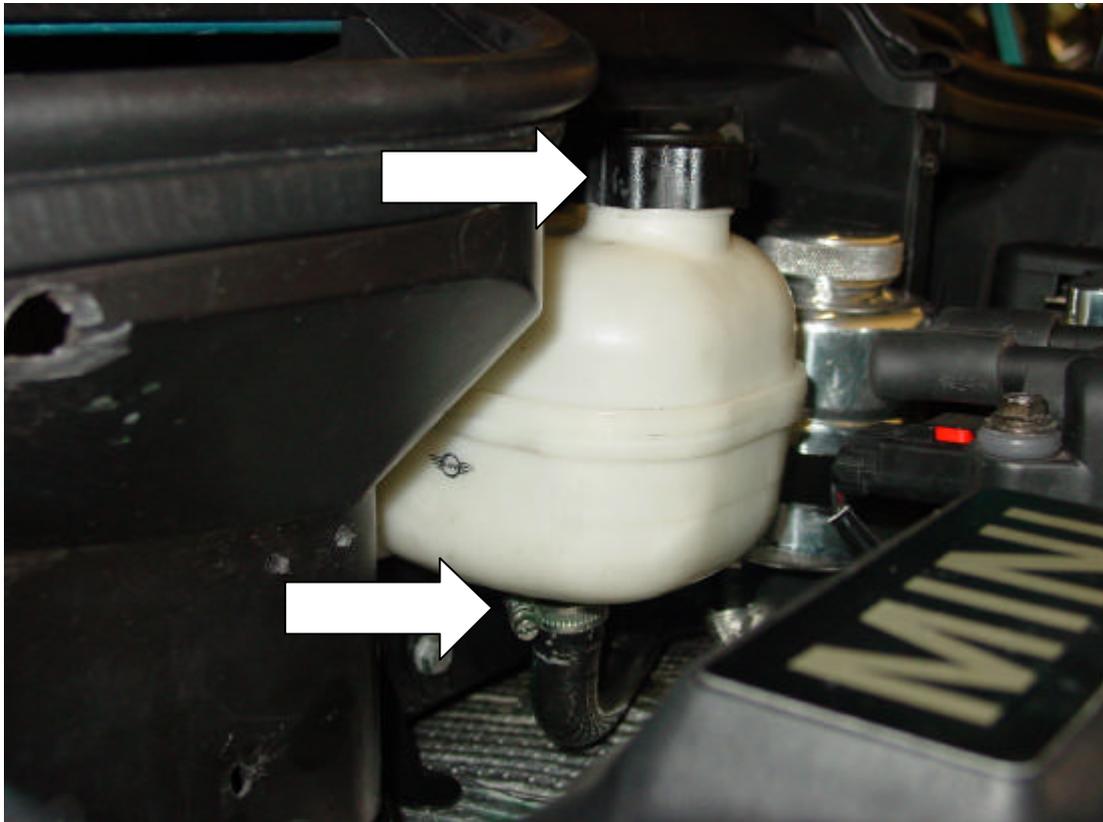
Drain /Drip tray

BMW Group anti-freeze and anti corrosive. 1.5litres (part number 81 22 9 407 454)

### **Step 1.**

Place drip tray under the rear of the engine, just under the exhaust downpipe area. Remove the Header tank cap (top arrow in picture). A small amount of pressure may be released upon removal of cap. Remove the hose clip from the bottom hose to the header tank (bottom arrow in picture) and ease coolant hose from the tank outlet pipe.

The coolant mixture will drain off at this point. It is only a small amount and due to the location of the Header tank it is impossible to catch the coolant mixture without some running on to the exhaust and the rear of the engine. Make sure the drip tray is positioned under the car to catch the drained off coolant.



**Step2.**

Remove the smaller overflow hose clip from the top connector of the Header tank (right arrow in picture below). Then remove the 10mm retaining nut from the top mounting of the Header tank (left arrow in picture below). The complete Header tank can then be removed. There are two locating pins at the base of the stock unit, these may be tight in their sockets so the Header tank may require some manoeuvring to free these locating pins.



**Step3.**

Screw in the two plastic fixings to the base of the new Forge Aluminium Header tank.



**Step 4.**

Fit the new unit in reverse order.

### **Step 5.**

Make sure all hoses and fixing nut are secure and then top up coolant level. Fill to just less than half way of the new Aluminium tank between the low and max level indicators. Refit the expansion tank cap and run engine until warm. Allow engine to cool again before removing cap. Re-check coolant level top up is necessary.



Low level  
Fluid should be  
above this rim



High level  
Fill to below this  
plate

**Please dispose of the drained coolant mixture in order to comply with environmental regulations. Your local waste disposal plant will have a hazardous fluids container for safe disposal.**