



## **ADV ENG – AJP PR7 Radiator guard fitting instructions**

| <b><u>Tools Required (but not specific)</u></b>                                                                                                                                                                                                                                                                                                                        | <b><u>Recommendation</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Hand drill (cordless or electric)</li><li>• Pilot drill bit (approx 3mm dia)</li><li>• 9mm or 23/64 drill bit</li><li>• Centre Pop</li><li>• Small Hammer</li><li>• 8mm T bar</li><li>• 10mm T-Bar</li><li>• 5mm Allen key</li><li>• 10mm ring/open end spanner</li><li>• Steel rule or tape</li><li>• Scribe or pen</li></ul> | <ul style="list-style-type: none"><li>• It is advised to replace the standard coolant with a high quality ethylene glycol mix like the following to improve/maintain the bikes cooling system performance.</li><li>• Motorex M5.0<br/><a href="http://www.motorexoil.com.au/coolant/">www.motorexoil.com.au/coolant/</a></li><li>• Liquid Intelligence 115 Synthetic Coolant<br/><a href="http://www.liquidintelligence.com.au/products/super-waterless-coolant">www.liquidintelligence.com.au/products/super-waterless-coolant</a></li></ul> |

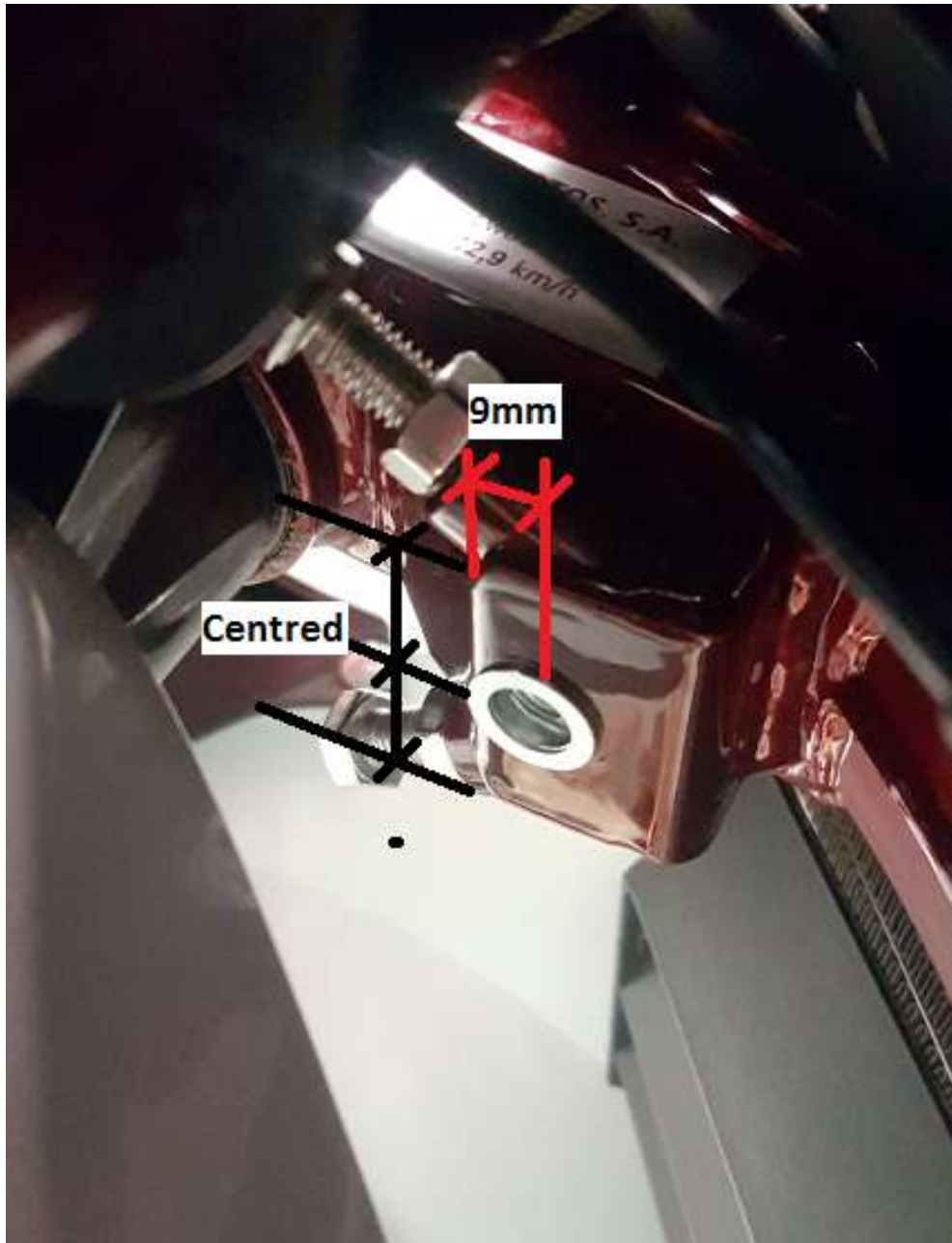
## Installation

1. Remove the seat, left radiator side plate, right radiator side plate, front fender and both radiator louvers (note, the radiator louvers are not reused)
2. Install the (4) M6 nut inserts into the on the outside panel of both the left and right radiators (see image below circled in red). The holes in the radiator are already the correct size to accept the M6 nut inserts. Follow this YouTube installation guide for the nut inserts.

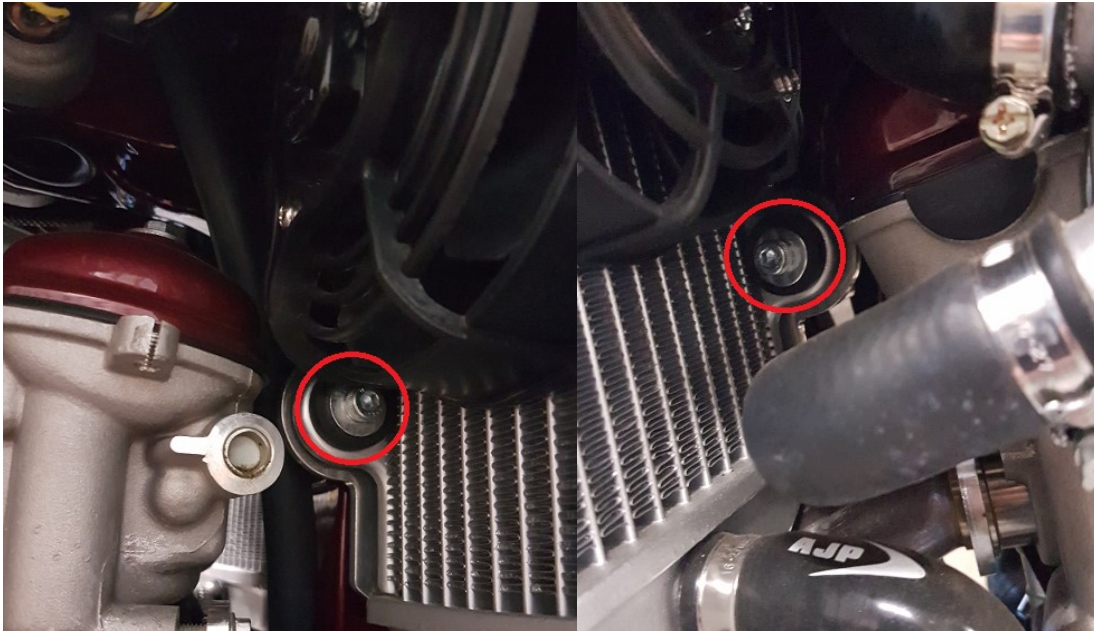
[www.youtube.com/watch?v=tV6RXQjHecc](http://www.youtube.com/watch?v=tV6RXQjHecc)



3. Install the (1) M6 nut insert into the steering lock stop. This requires a 9mm diameter hole to be drilled to accept the M6 nut insert. Install dimensions as per the image below. Centre pop the marked out position, use the small pilot drill and drill through the bracket followed by the 9mm drill. Clean up any burs from the drilling exercise and coat the raw steel with either touch up paint or a rust preventative coating (nail polish/acrylic works well). Once dry install the M6 nut insert [www.youtube.com/watch?v=tV6RXQjHecc](http://www.youtube.com/watch?v=tV6RXQjHecc)



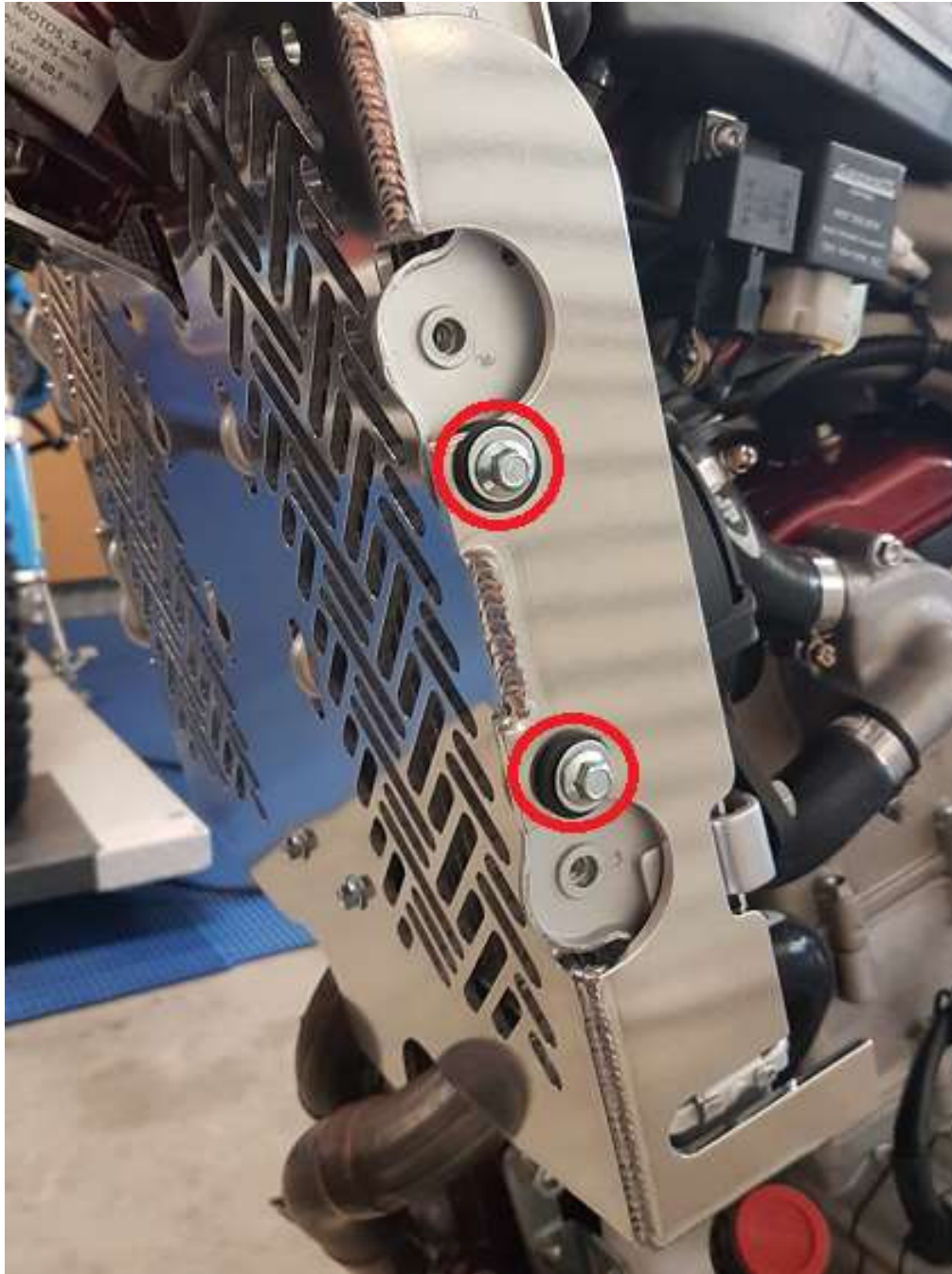
4. Remove the (4) M6 socket head cap screws (2 each side) which fix the radiators to the bikes frame. These screws are not re-used and replaced with the (4) supplied M6 x 30 socket head cap screws. The washers are reused.



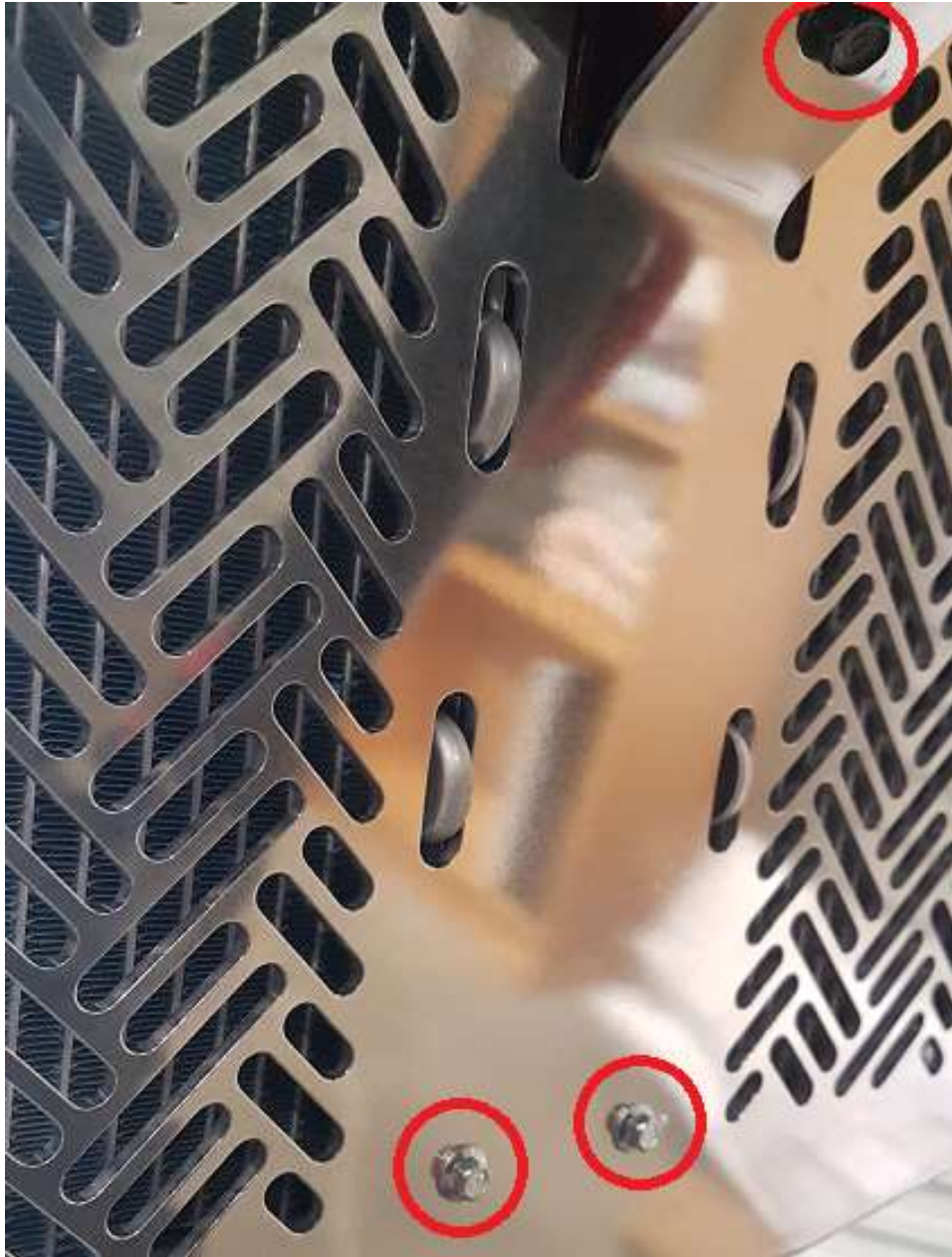
5. Install the Radiator guard centre mount which goes between the radiators and the bikes frame. The radiators have enough flex and movement in the hoses to allow bracket to install, it is a little tricky though. Re-mount the radiators using the (4) supplied M6 x 30 socket head cap screws and original washes (these bolts now pass through and locate the centre mount) do not tighten at this point in time.



6. With all nut inserts now installed move the radiator guard into place. Start with the left side wing guiding the rubber grommets over the end plate of the radiator. Line up the right side wing rubber grommets and guide the bottom tab on the guard over the exhaust header pipe. Finish off with locating the wing on the right side. Once the guard is in place, give it a mild push/shove/twist to ensure located and settled. Loosely fit the (4) supplied M6 x 25 bolts and washers into the radiator guard wings through the rubber grommets.



7. Loosely fit the (3) supplied M6 x 20 bolts into the centre mount and the steering lock stop mount.



8. Now with the radiator guard in place, check around the radiator guard to ensure there are no clash points. Once satisfied tighten the (4) bolts in the grommets on the radiator outer wings.
9. Tighten the (2) lower centre mount bolts.
10. Tighten the (4) radiator to frame mount bolts.
11. Lastly tighten the steering lock stop mount bolt.
12. Replace the front fender and radiator side covers using the original fasteners.
13. Replace seat.