WMOTO

MOTORCYCLE ENGINEERING

MANUAL

BMW K-series Rear Suspension

BMW K-SERIES SUSPENSION

- 7075 Aluminum CNC-milled
- Sinterbronze bearings
- Needle bearing pivot
- Stainless steel bolts
- YSS custom shock

WIMOTO
Fahrenheitstraat 15
6662 PZ Elst
www.wimoto.eu

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BMW K-SERIES REAR SUSPENSION

WARNING

Only for experts or professional bike builders.
Not for road use / without any approval for road !

Please be aware that we do not take any responsibility for damages caused by incorrect use or installation of the product. We do not take any responsibility and we are not liable for any damage caused through use of products or services purchased here, be it indirect, special, incidental or consequential damages!

Assembly all suspension with grease on bronze bushes !!

1

REMOVE BODYWORK

Remove the seat, mudgard, battery and tail light.

2

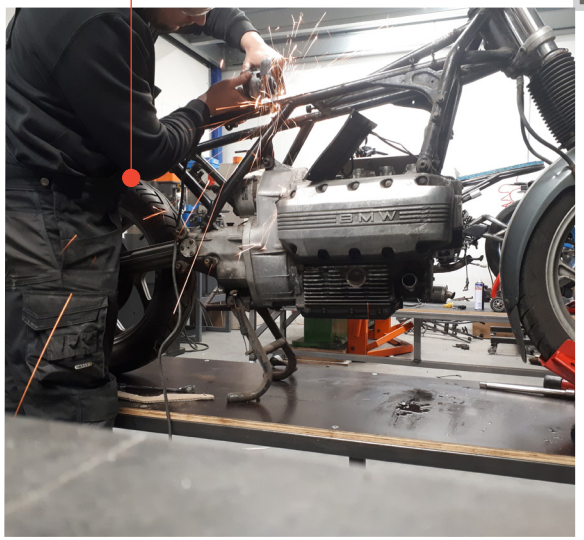
REMOVE WIRING

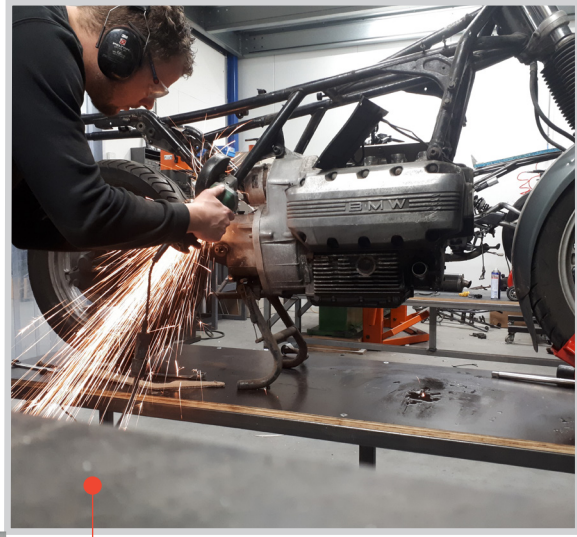
Remove the tank and wiring loom

3

CUT SUBFRAME

Make sure not to cut to deep into the tubes. Better to grind off the rest lateron.





4

CUT SUBFRAME

Make sure not to damage the framenumber. You need to reuse this tube.

5

REMOVE SUBFRAME

Cut of the tube that has te framenumber in it.

6

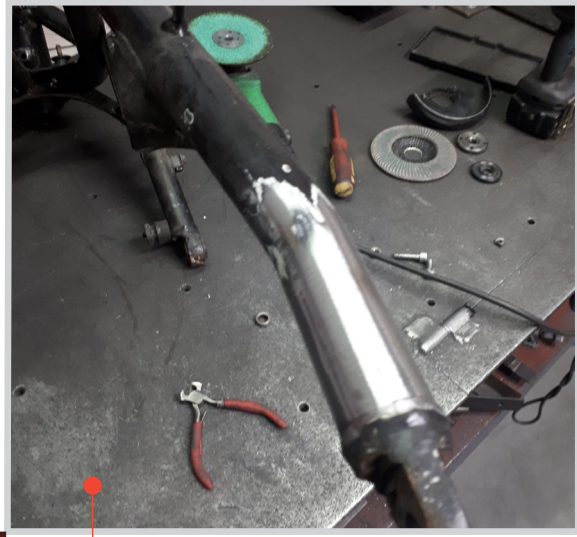
BEARINGS

Place the bronze bushes with grease, press the bearing in the steel frame mount

7

REMOVE THE FRAME

Remove the frame from the engine to grind the cutof tubes smooth.



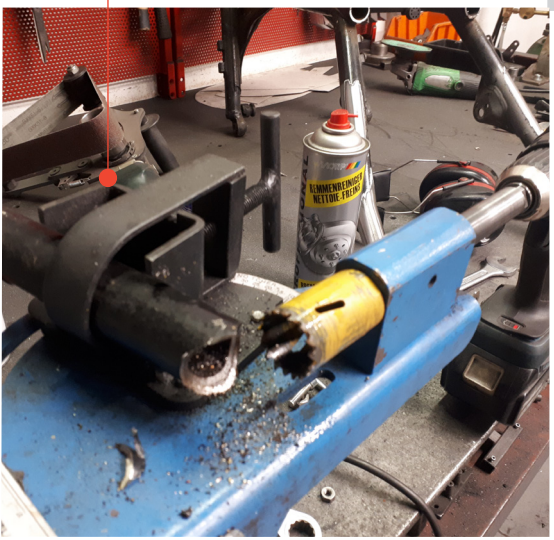
8

GRIND

Use a belt grinder to get a smotth finish without any flat spots.

9 TUBE NOTCHER

Use a tube nother (ore angle grinder) to cut the tube with framenumber to size.



10 FITMENT

Make sure the tube fits just above the engine mounting bracket.

11 REMOVE PAINT

Make sure to remove al the paint on the places were you need to weld.

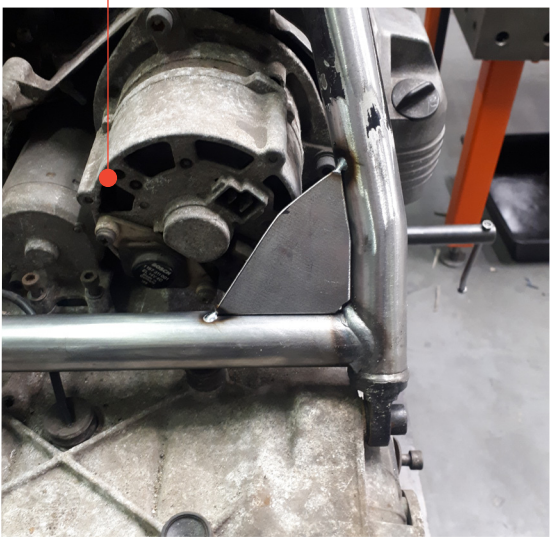
12 WELD ON ENGINE

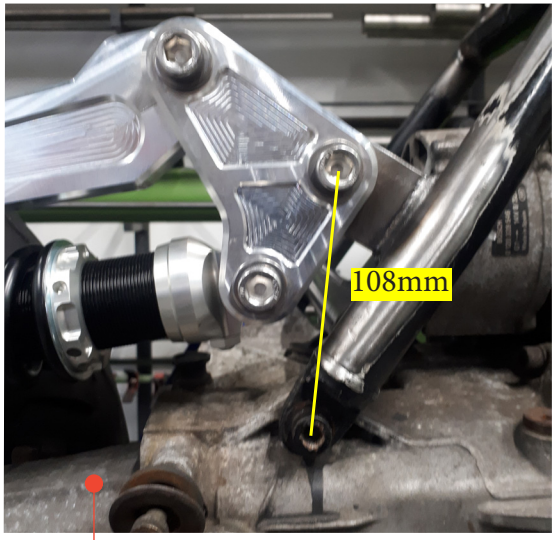
Place an extra washer between the engine and the frame to make sure the frame doesn't shrink into place and it won't come of.

13

REINFORCMENT PLATE

Tag weld the reinforment plate into position, making sure the dinstance between the points in 108mm.





14

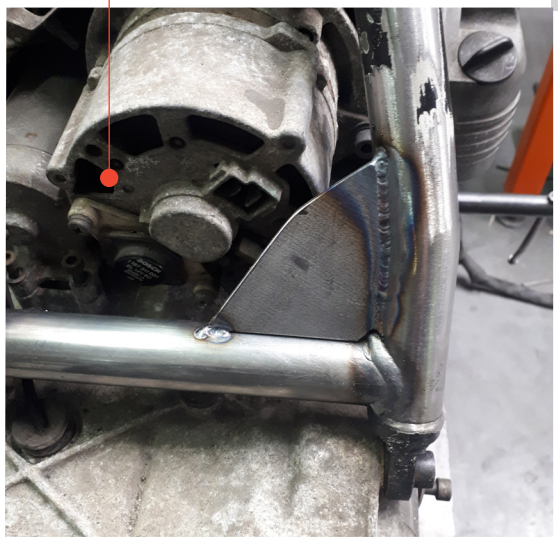
DISTANCE

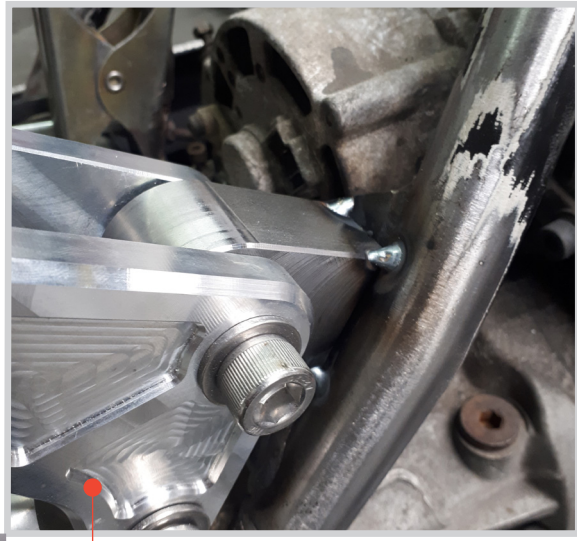
Make sure the dintance between the center of the pivot and frame mout bolt is 108mm. Amd the pivot is flat to the reinforcement plate.

15

WELDING

Weld TIG if possible to avoid grinding, below the pivot point.





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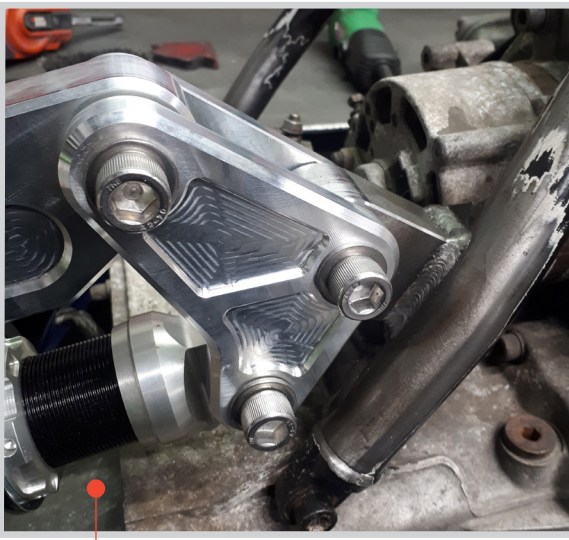
TAG WELD

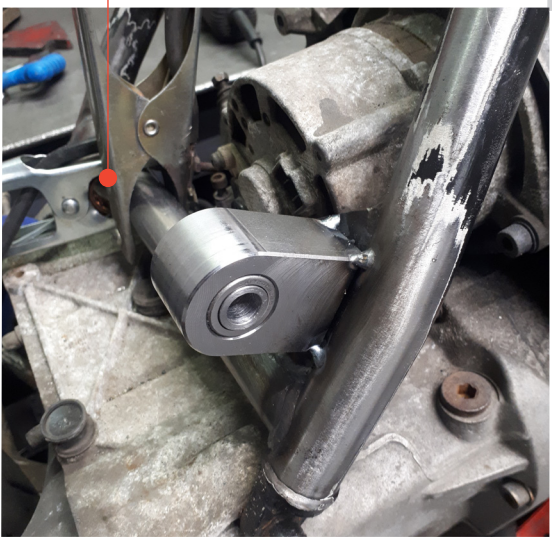
Tag weld the pivot point into place, make sure everthing is tightended and lined up.

17

REMOVE THE LINKAGE

Remove the suspension linkage to get accesability for proper welding.





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FINAL ASSEMBLY

After everything is welded properly. (best is to take the frame of) the suspension can be mounted and your conversion is done.