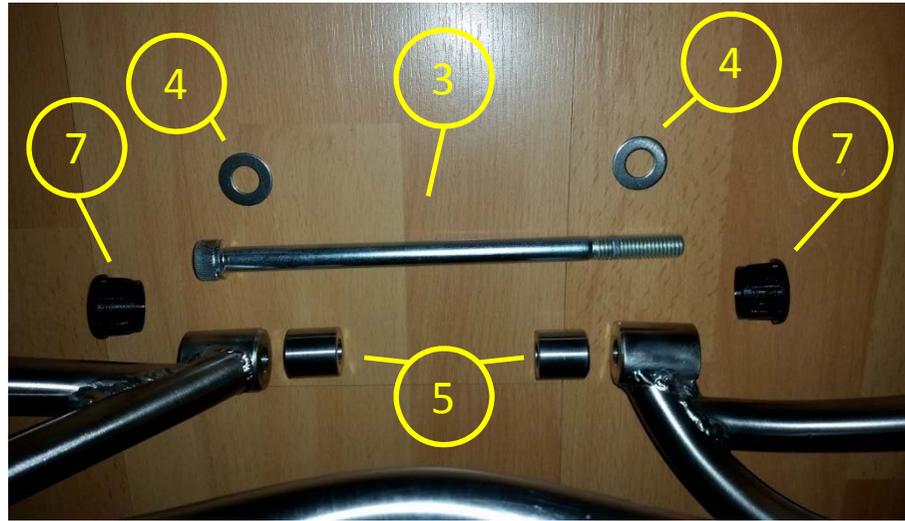


## Installation Guideline for KTM 690 Enduro R Standard Crash Bar\_Z-010-00-100

Part	Description	Qty
01	Standard Crash Bar	1
02	Bolt, Allen Cap, M10 x 40mm, Stainless Steel	2
03	Bolt, Allen Cap, M10 x 180mm, Steel, Plated	1
04	Washer, Flat, M10, Standard Size, Stainless Steel	4
05	Spacer, 20mm, Anodised	2
06	Spacer, 8mm, Anodised	2
07	Plug, 25mm, Plastic	4
08	Nut, Small JIS, M10, Stainless Steel (re-use off bike)	1





**Bottom Attachment Assembly**



**Top Left Attachment Assembly**



**Top Right Attachment Assembly**

The installation of the crash bar is done by executing the following steps sequentially.

## Step 1

The crash bar attachment points on the motorcycle is shown in the adjacent figure. The right hand side of the motorcycle is shown, the left hand side relative positions are the same.



## Step 2

Remove the existing engine mount bolt and nut. Retain the nut (8) for re-use with the new M10x180 bolt (3).



### Step 3

Remove the top spline attachment bolts at location indicated from both sides of the motorcycle.



### Step 4

Position the crash bar into place.



## Step 5

Locate the 8mm spacers (6) into the recessed position between the crash bar top attachment point and the crash bar on both sides of the motorcycle. Secure the crash bar using the M10x40 bolt (2) and washer (4). Hand tighten the bolts at this stage.



## Step 6

Locate the 20mm spacers (5) into position between the crash bar bottom attachment points and the crash bar on both sides of the motorcycle. Insert the M10x180 Allen bolt (3) using the washers (4) and the retained nut from step 2. Tighten the bolt (torque as per OEM specification).



## Step 7

Tighten the top attachment bolts (2) on either side of the motorcycle. Tighten all bolts to the OEM torque specification.

Insert the plastic plugs (7) into the top attachment positions. The plugs should fit securely but use some silicon to ensure the fit if required.



## Step 8

Insert the plastic plugs (7) into the bottom attachment positions on both sides. The plugs should fit securely but use some silicon to ensure the fit if required.

