

**INEOS Grenadier fuel filter guard
Fitment Instructions**

Read through all the Fitment Instructions before starting work. The fuel filter guard is designed to give added protection to the Grenadier's fuel filter and fuel line. The guard is made from 4mm thick brushed aluminium.

FITMENT STEPS

1. Briefly align the fuel filter guard under the left-hand side of the Grenadier to work out correct placement. Then remove four rubber bungs from the chassis rail which line up with the two bolt holes shown in the pictures below. Two rubber bungs come from the outer side of the chassis rail and two more from the inner (or filter) side of the rail.



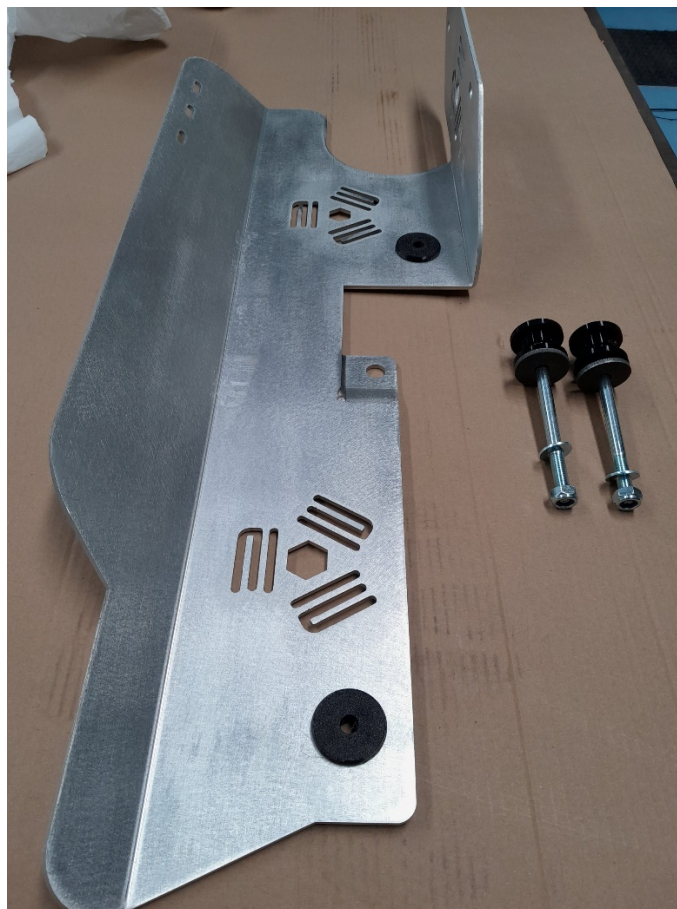
2. Unclip the fuel line on the front/engine side of the fuel filter. Place the fuel line on top of the clip and use a cable tie to secure it to the clip (so the fuel line does not rub on one of the bolts you will install in Steps 7 and 8).



3. Remove the forward bolt if you have the INEOS steps attached (or other brand steps or rock sliders installed).



4. The two thin bushes should already be in the holes on the bottom side of the guard (near both **EURO FLO** logos). **Tip:** the logo is cut into the bottom of the guard in two places, allowing water to drain away. The logos also allow you to look for any dirt, mud or grass buildup and remove it.



5. Now put the remaining large bushes in the four holes in the chassis rail you exposed by removing the rubber bungs in Step 1. The two smaller bushes go on the outside of the chassis rail, the two larger bushes go on the inside of the chassis rail. If in doubt, see the extra image under the heading **TOOLS & TIPS** on page 5.



6. Put the fuel filter guard into position, then align the bolt hole on the bottom of the guard with the centre bolt hole on the underside of the chassis rail. Now insert and screw in the small bolt through the guard into the chassis. Do not tighten all the way, as you will adjust this later. Make sure the front of the guard is above the transfer case cross member (see the image on the right below). **Spacers:** if your Grenadier has no side steps (or sliders), remove the centre bolt, and insert the two 4mm square spacers between the bottom of the chassis rail and the fuel filter guard. Align the rounded corner on the spacers with the guard.



7. **Outer side of chassis rail:** now slide the two 10mm bolts with their washers through the chassis rail. Carefully thread the bolts through the two inner rail bushes.



8. **Inner (or filter) side of the chassis rail:** Make sure the bolts are also threaded through the inner bushes. Ensure the bushes are still inserted in the chassis rail (adjust as required). Then put on the large aluminum washer followed by the small washer and finally the Nyloc nut.

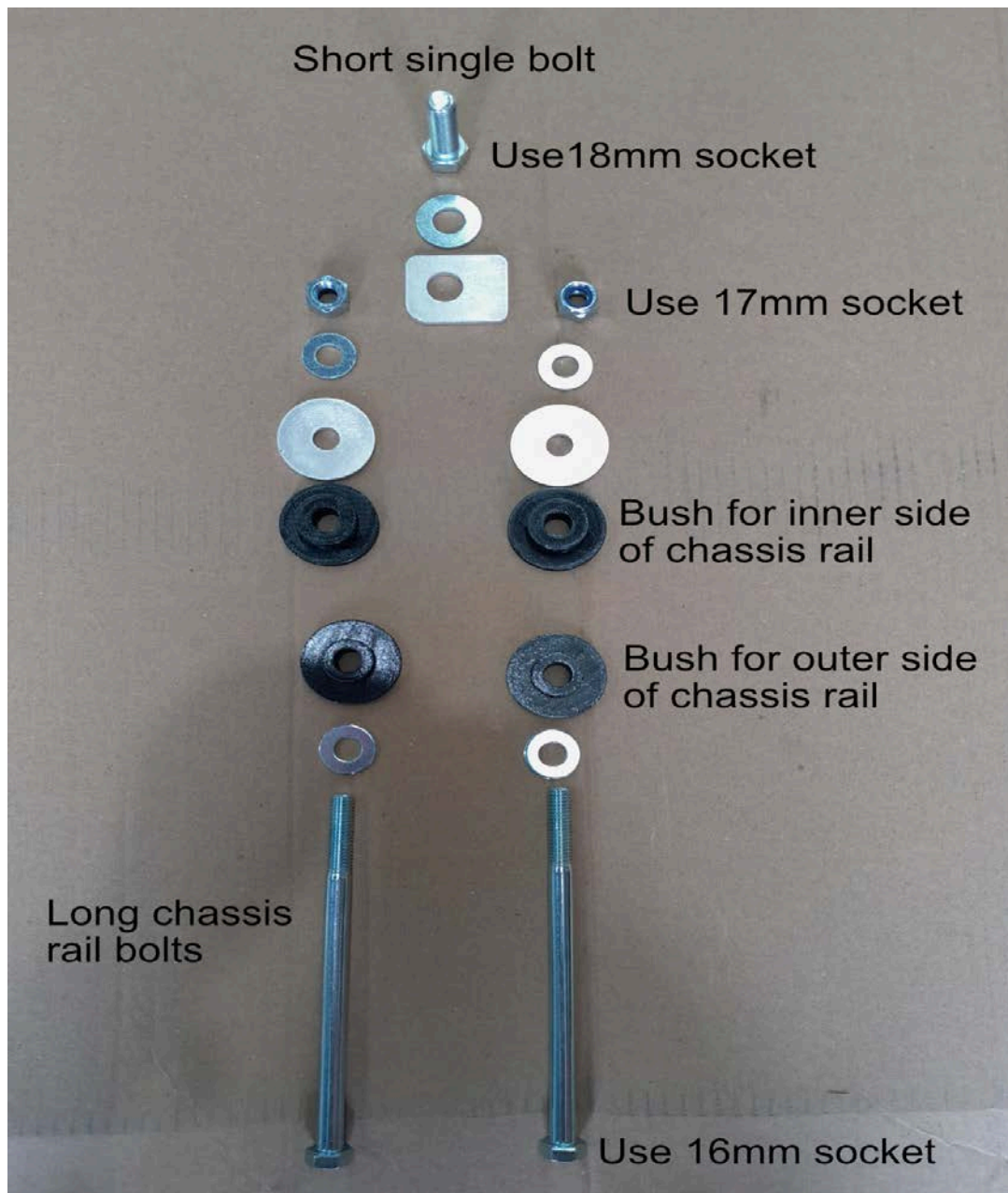


9. Now fully tighten the small single bolt on the underside of the guard (from Step 6). Next fully tighten the two longer 10mm chassis bolts.

TOOLS & TIPS

The single short bolt can be tightened using an 18mm socket or wrench. The two long 10mm bolts have a bolt head size of 16mm, but the Nyloc nut is 17mm.

Tip: having a short handled 17mm wrench to hold the Nyloc nut in place, when tightening, will speed up installation. Once the fuel filter guard is in place there is limited space for tools on the inner (or filter) side of the chassis rail.



Tip: it is good practice to use a suitable [anti galling lubricant](#) on any bolt thread like those on the two long 10mm bolts.

SPARES

You will end up with four rubber bungs which you removed from the chassis rails (Step 1). Put the bungs into your Grenadier spares kit.

COMPATIBILITY OF THE FUEL FILTER GUARD (with side steps, rock sliders and under-body armour)

1. Works with INEOS side *steps* (aka INEOS Side Runners);
2. Works with [ABNTR4X4 rock sliders](#). You need to use the supplied spacers when fitting the guard;
3. Black Sheep Rock Sliders. A small adjustment maybe needed;
4. The guard seems compatible with electric side steps, [but subject to final checks](#);
5. [More work being done](#) when you have both rocks sliders and [Custom Off-road](#) under-body protection fitted;
6. It is not known if the guard is compatible with INEOS *Rock Sliders* yet. If the mounting bracket is close to those on the INEOS *steps* the guard will fit;
7. No testing done on the INEOS Quartermaster yet; and
8. A single person can install the guard.

The fuel filter guard is designed and made in Australia. Please support locally made products.

CONTACT

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