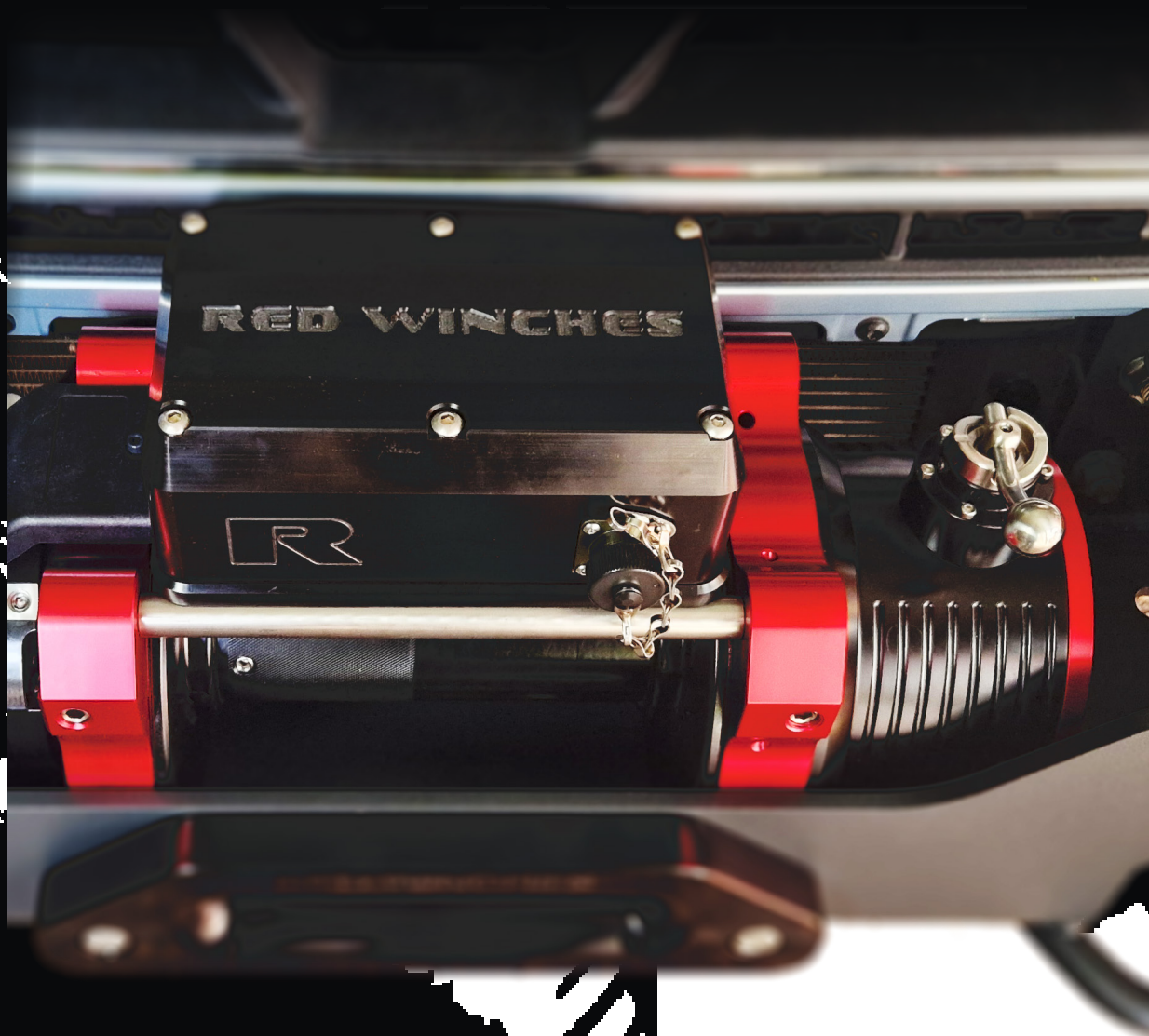




INEOS BUMPER
HIGH MOUNT | ELECTRIC WINCH

INSTALLATION INSTRUCTIONS



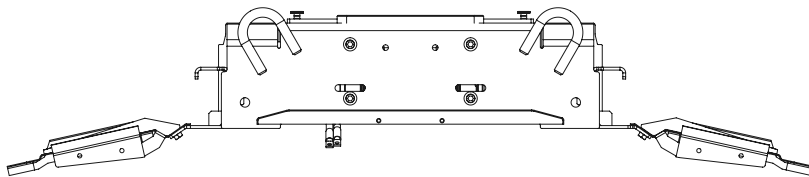
INEOS Grenadier Winch Mount - ECE

- > **Rated pulls: To 5,500kg**
- > **Raptor coated for maximum protection**

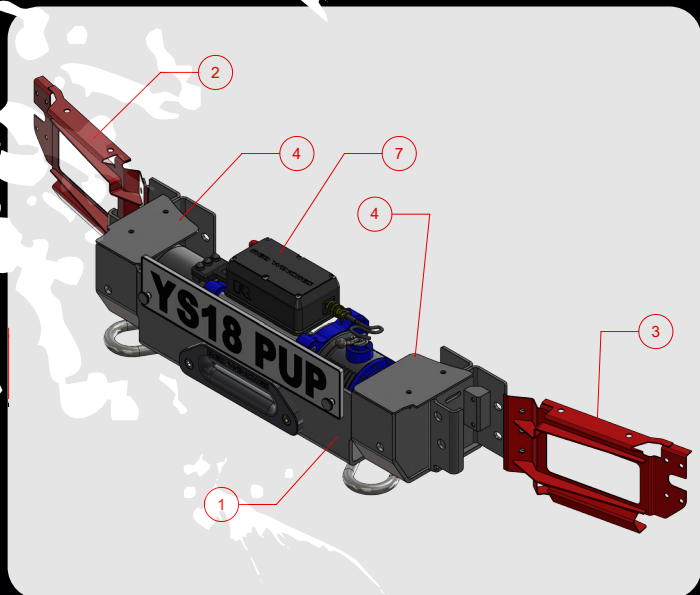
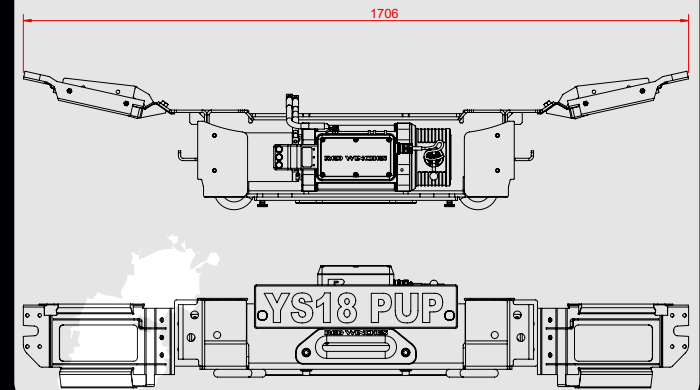
This winch mount is a RED Winches designed product, whose designs have undergone extensive testing. The end user can now enjoy a professional highly engineered, precision, high performance electric winch mount enabling the installation of a RED Winches high performance electric winch.

This mount has been designed not to encroach on the vehicles approach angle.

Boxed weight: 38.5kgs



ITEM NO.	PART / DRG NUMBER	DESCRIPTION	QTY.
1	IGB-MF-01_ECE	CENTRAL WINCH BUMPER FAB, ECE	1
2	IGB-MF-01_RH	RH WING SUPPORT FABRICATION	1
3	IGB-MF-01_LH	LH WING SUPPORT FABRICATION	1
4	IGB-MD-05	COVER PLATE	2
5	UKNP_1	NUMBER PLATE	1
6	8917-20615M6	THUMB SCREW, M6	2
7	NOMAD-GA-01_STD_RNLI	NOMAD WINCH	1



Q Do I need to change my springs to compensate for the weight of my winch and mount?

A Due to the variations in the springs used in the different Grenadier trim specs there is no right or wrong answer to this, we do recommend measuring the distance between the top of the front tyre and the bottom of the wheel arch before installing the kit and then remeasuring after install. If you feel you have lost ride height INEOS offer a range of springs please see table below.

FRONT AXLE

Part No.	spring rate [N/mm]	weight [kg]	Feature Code	colour code
EI-0000019546	C27	1364-1417	CSC	 
EI-0000019547	C28,5	1417-1470	CSD	 
EI-0000019548	C30	1470-1523	CSE	 
EI-0000019549	C32	1523-1576	CSF	 
EI-0000020110	C33,7	1576-1629	CSJ	 

Please see footnote at the end of the instructions if your vehicle is fitted with parking sensors.



Remove the two cover pieces that cover the joint between the centre piece of the bumper and the two corner pieces.

4 x T40 head on each side.



2.1) Remove both corner pieces – 4 x T25 Self Taping screws – *not reused*

2.4) 5 x T27 machine screws – *save to reuse later*

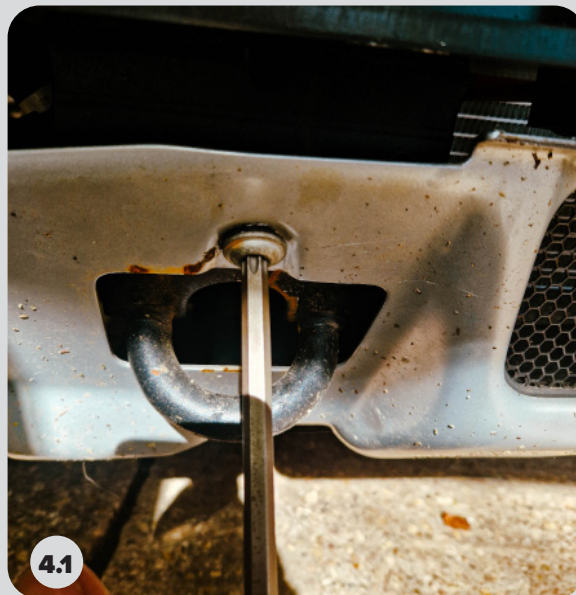
2.5) 2 x 10mm head bolts – *not reused*

When lifting off the corner pieces don't forget to disconnect the indicators(2.6), this is done by pulling out the red tab to release the plug

If you find the backing plastics are supported by two fixings at the top behind the wheel arch liner these can be left in place as will not restrict the access for the rest of the install.

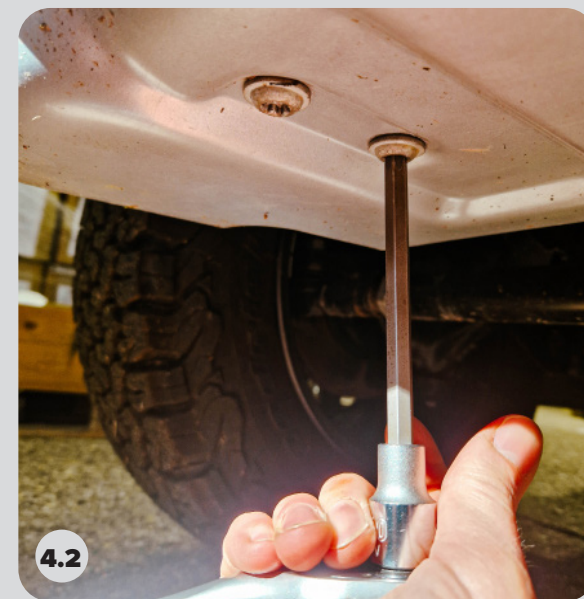


Remove the centre plastic piece – T50 fasteners – *not reused*



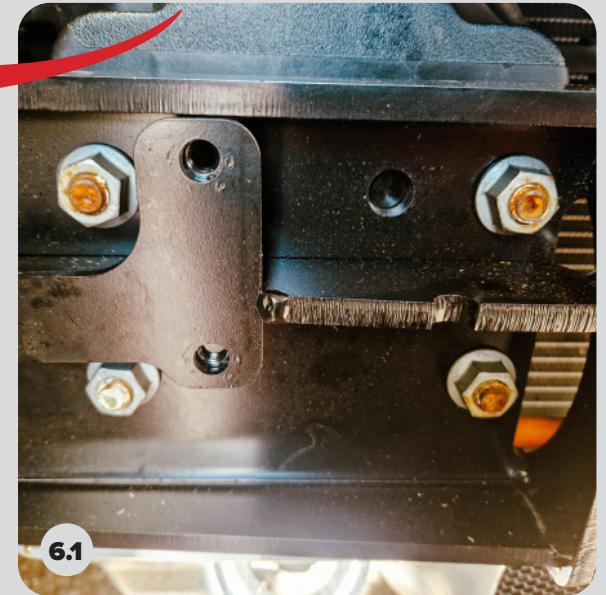
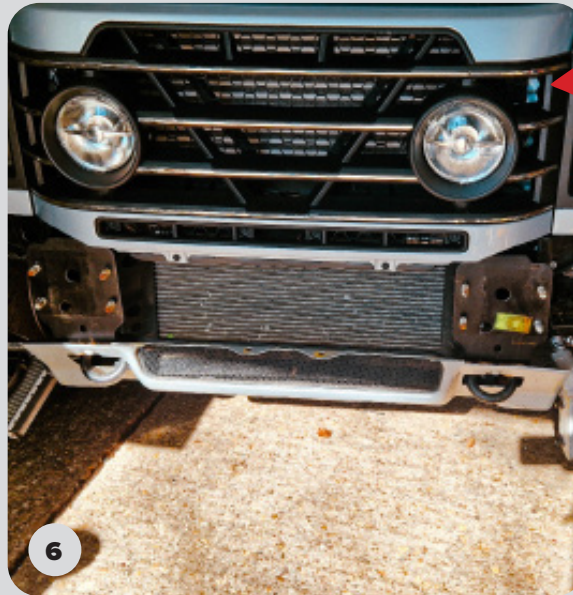
Loosen the steering guard bolts 6 x T50 - It is not necessary to fully remove the steering guard (images 4.1, 4.2).

Do remove the two front upper steering guard bolts – 2 x T40 fasteners – *not reused* (image 4.3)



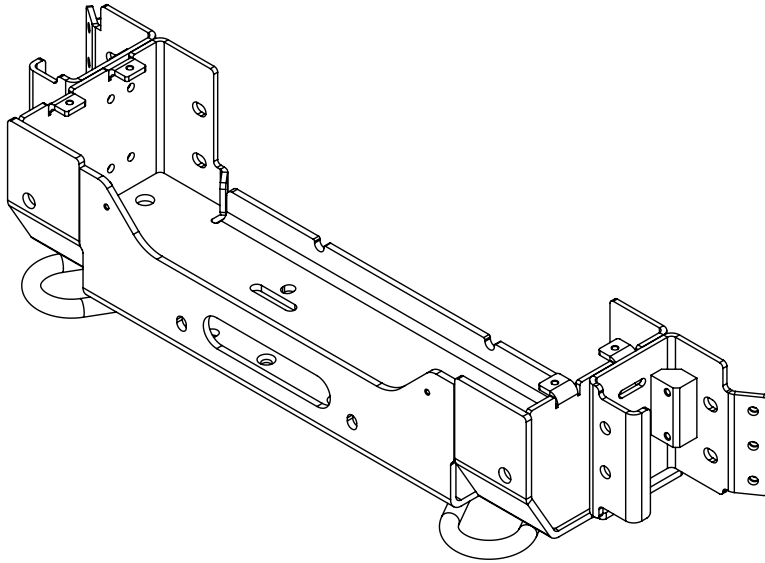


Remove the two upper cooler support brackets 2 x T15 fasteners – save to refit later and lift the coolers up and back from the bracket. These can be supported with a cable tie back to the bracket behind while the conversion is carried out.



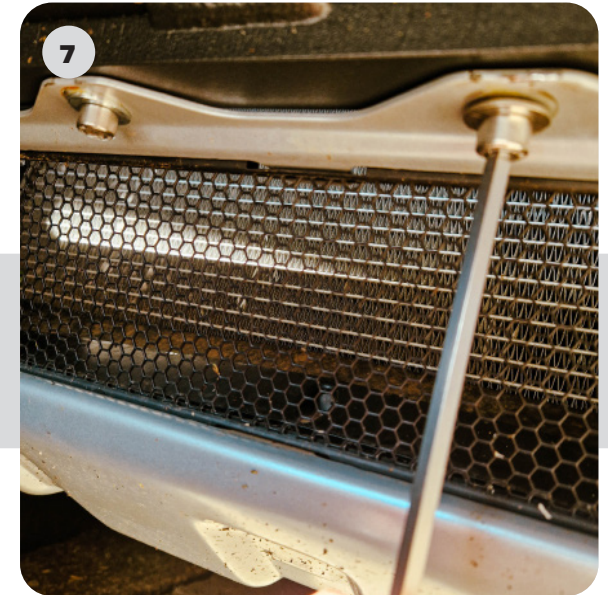
Remove the front cross member 8 x 19mm nuts – *save to refit.*

This completes the removal of the factory fitted bumper and reassembly can now commence.



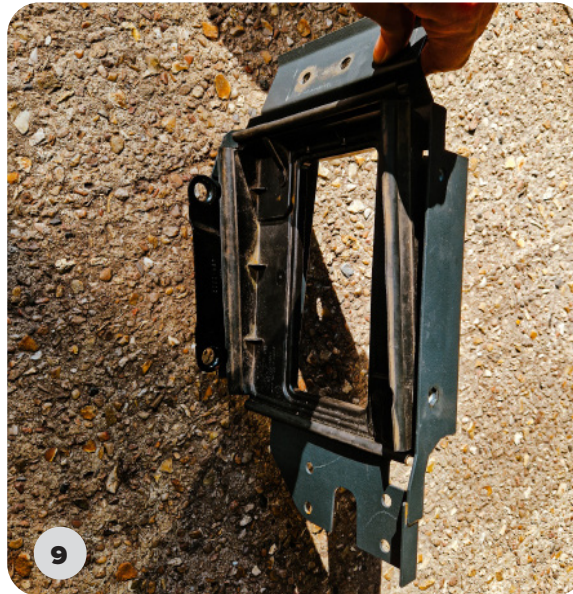
Fit your new winch mount (IGB-MF-01_ECE) reusing the 8 x 19mm nuts. (See point 6).

Tip – fit the new mount loosely then fit the new Mx x 16 CAP HEAD bolts with FORM A Washers to the front upper steering guard, then fully tighten the 19mm nuts and all remaining steering guard fixings.





From the original cross member remove the plastic cooler ducts and lower cooler supports 2 x T40 each side and save to refit.



Install into the new cooler supports (IGB-MF-01_ LH & RH) the plastic cooler ducts and lower cooler support reusing the 2 x T40 fasteners with the

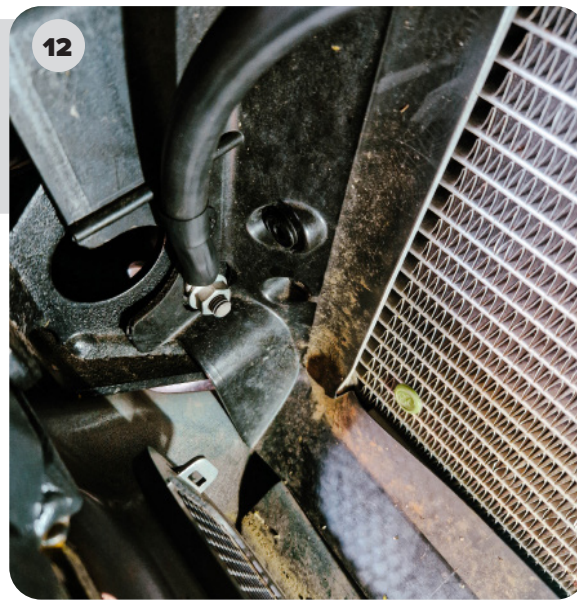


Fit the new cooler support brackets to the centre section with the supplied M10 x 20 CAP HEAD Bolts + FORMC washers – x 3 each support.



Fit the coolers into the lower brackets then fasten in place with the top brackets reusing the T15 bolts

Fit the earth cable to the OEM earth stud on the chassis using the M8 Flanged Nut



If no hole is present in this plastic one will need to be made.



To fit the positive cable pass through the large hole in the chassis next to the earth stud then pass it up to the isolator. The isolator is fitted with a 17mm nut and is a M10 stud. The fir tree clip fits into the bracket behind the cooler.

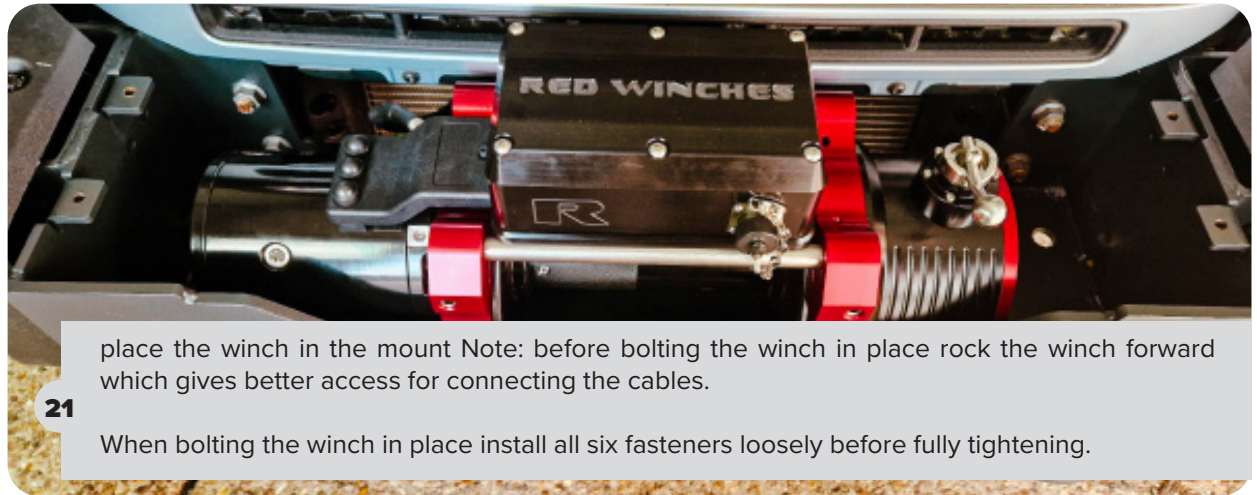
- 13** Install power cable, to do this you will need to access the isolator positioned behind the headlight.
- 14** Remove headlight surround 4 x T25
- 15** Remove front part of the wing – 2 x T25 and 2 x T30 then pull from the bottom towards the front of the vehicle and up.
- 16** Remove headlight surround 5 x T25

18 Replace headlamp, front of the winch and headlamp surround.

19 Refit bumper corner pieces with original fasteners and 4 x M8 x 16mm CAP HEAR Bolts with M8 FROM C Washers.



20 Fit the joining cover plates with original fasteners.



23

Fit the cover plates (IGB-MD-05) x 2.



23

Finally fit your rope using your plasma lock. Scan the QR code to watch the rope fitting video.



PARKING SENSORS

If the vehicle is fitted with parking sensors you will need to remove the two centre parking sensors and their mounting bosses to fit into your new winch mount. Due to the difference in the thickness of the mounting plate we recommend trimming approximately 3mm of material from the bosses securing clips. The parking sensor wiring loom is long enough to run behind the winch in the mount and still reach the parking sensors.



ENGINEERED TO BE BETTER



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