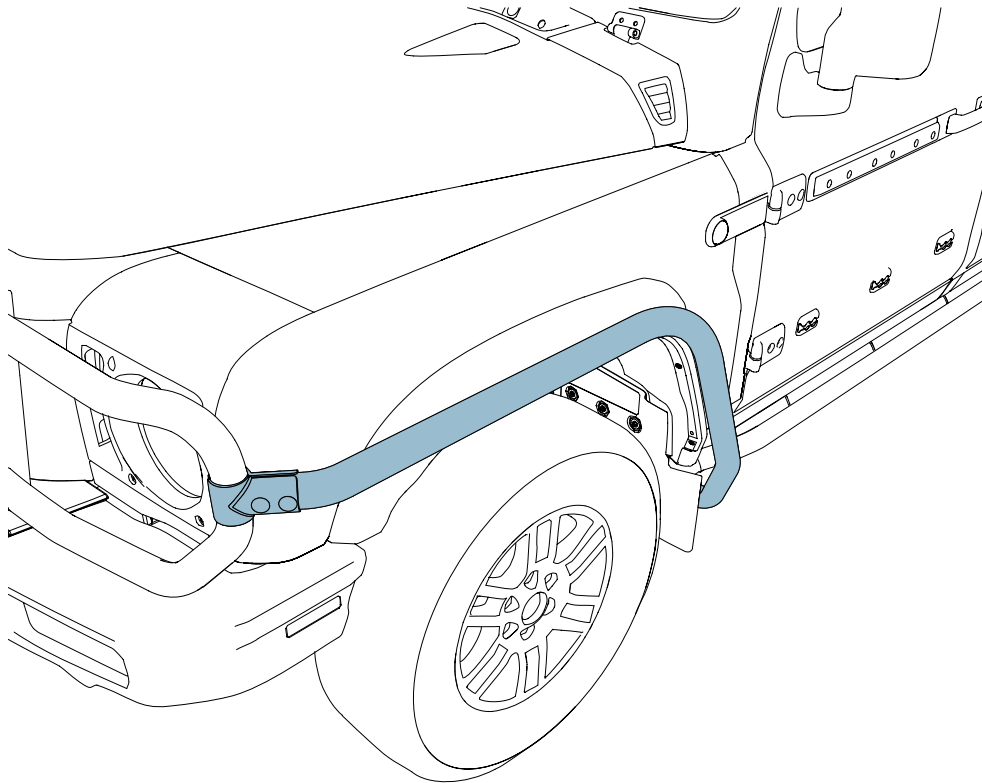


# SIDE PROTECTION RAILS (VEHICLES WITH ROCK SLIDERS AND BULL BAR)

Part Number: GRA-0B05-002590

Revised Date: 29th September 2023



## INTRODUCTION

This introduction is written for Grenadier owners and enthusiasts. It is designed to provide sufficiently detailed instructions to support those who enjoy the challenge of installing accessories to their Grenadier.

## PAGE LAYOUT

Each instruction page is written in the same format:

- > The title of the fitting procedure.
- > The header table, which give technical information about the fitting procedure.
- > The parts table, which lists parts required for the task.
- > The supplies table, which lists supplies (such as oils, lubricants, adhesives) required for the task.
- > The procedure steps. Numbered and ordered, giving instructions and illustrations for each step.

## WARNINGS, CAUTIONS AND NOTES

The following Warnings, Cautions and Notes are used within the repair steps:



**Warning :** A warning tells you that there is a risk of injury or death.



**Caution :** A caution tells you that there is a risk of damage to objects.



**Note :** A note tells you additional information that relates to the main topic.

## ABBREVIATIONS

The following abbreviations are used within the Easy Repair Guide:

- > Special Service Tool (SST)
- > Manufacturer Specification Data Sheet (MSDS)

## TECHNICAL QUALIFICATION

INEOS recommends that only persons who are technically competent should work on the vehicle. Work carried out by unqualified persons or using unapproved tools may result in damage to the vehicle or personal injury.

## DISCLAIMER

This instruction was correct at the time of publishing. However, INEOS reserves the right to develop, improve and change any equipment, software, specifications, design, and/or information provided without notice or obligation. INEOS will not be held responsible for any inaccuracy or the consequences thereof.

## ©COPYRIGHT

© Copyright INEOS Automotive Limited, 2022. All Rights Reserved. These technical publications are provided for use by authorised users only. Under no circumstances should the content of any of the technical publications be reproduced, stored in a retrieval system or transmitted, in any form, electronic, mechanical, photocopying, recording or other means without prior written permission from INEOS Automotive Limited.

# TABLE OF CONTENTS

---

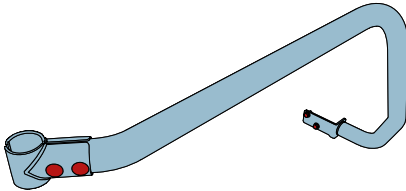
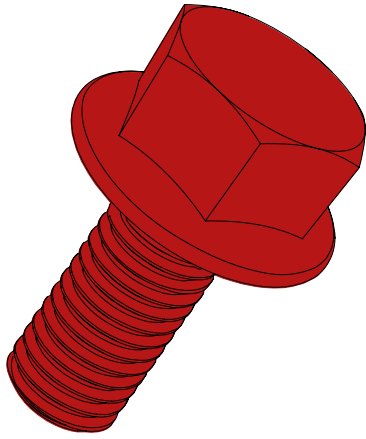
|   |   |
|---|---|
| Side Protection Rails (Vehicles With Rock Sliders, Side Steps And Bull Bar) (Accessory Install) ..... | 4 |
| Parts .....   | 4 |
| Tools .....   | 5 |
| Procedure .....   | 6 |

## SIDE PROTECTION RAILS (VEHICLES WITH ROCK SLIDERS AND BULL BAR)

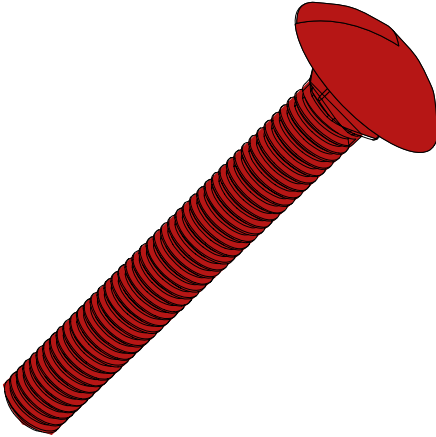
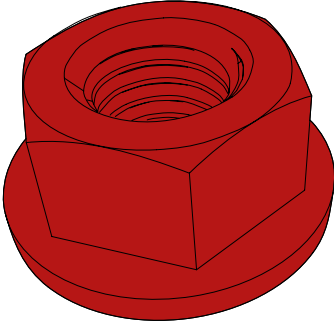
### SIDE PROTECTION RAILS (VEHICLES WITH ROCK SLIDERS, SIDE STEPS AND BULL BAR) (ACCESSORY INSTALL)

|                    |                 |
|--------------------|-----------------|
| <b>Part Number</b> | GRA-0B05-002590 |
| <b>Operation</b>   | Install         |
| <b>Model Year</b>  | Common          |
| <b>Repair Time</b> | 0.3 hour        |

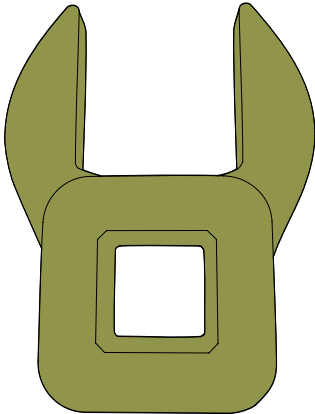
#### PARTS

| Part Number     | Description              | Image  | Qty |
|-----------------|--------------------------|--|-----|
| GRA-0B05-002590 | Side Protection Rail Kit |    | 1   |
| Part of Kit     | M10x20                   |  | 4   |

## SIDE PROTECTION RAILS (VEHICLES WITH ROCK SLIDERS AND BULL BAR)

| Part Number | Description | Image   | Qty |
|-------------|-------------|---|-----|
| Part of Kit | M10x70      |   | 4   |
| Part of Kit | M10 Nut     |  | 6   |

### TOOLS

| Part Number | Description | Image  | Qty |
|-------------|-------------|--|-----|
| Part of Kit | Crows Foot  |  | 1   |

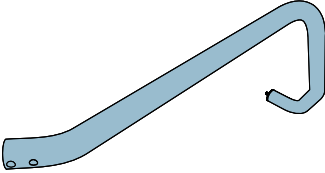
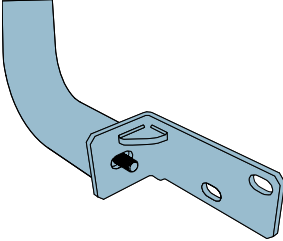
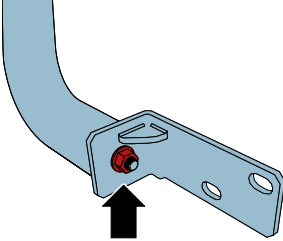
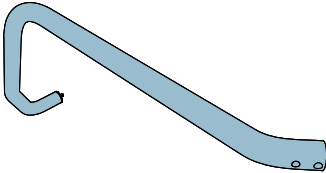
## SIDE PROTECTION RAILS (VEHICLES WITH ROCK SLIDERS AND BULL BAR)

| Part Number  | Description       | Image  | Qty |
|--------------|-------------------|--|-----|
| Local Supply | 1/2" Ratchet      |   | 1   |
| Local Supply | Torque Wrench     |  | 1   |
| Local Supply | 1/2" socket short |  | 1   |

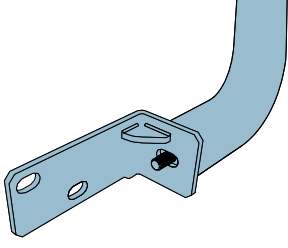
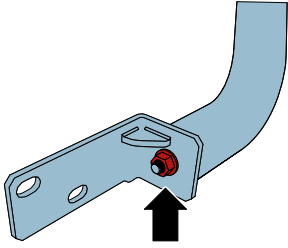
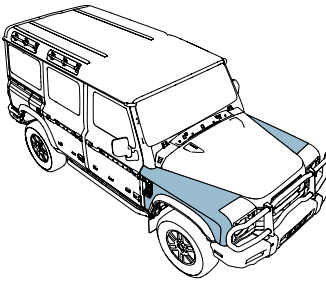
### PROCEDURE

Install

## SIDE PROTECTION RAILS (VEHICLES WITH ROCK SLIDERS AND BULL BAR)

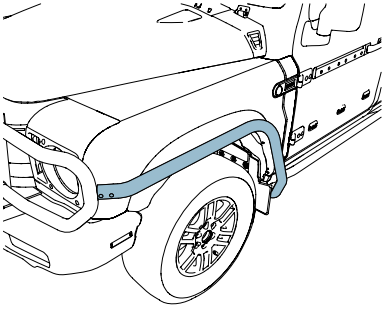
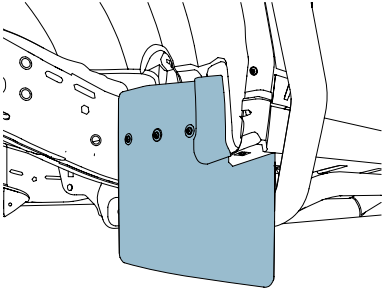
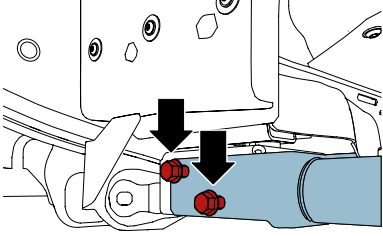
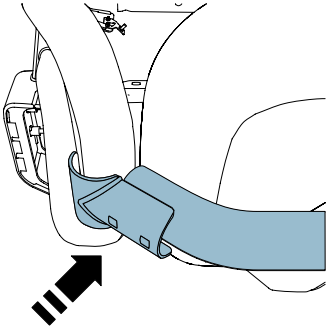
|   |  |
|---|--|
| 1 | <p>Move the Left Protection Rail into designated workstation.</p>                            |
| 2 | <p>Install the Mounting Bracket to the Protection Rail.</p>                                  |
| 3 | <p>Loosely install the nut that attaches the Mounting Bracket to the Protection Rail.</p>  |
| 4 | <p>Move the Left Protection Rail aside.</p>  |
| 5 | <p>Move the Right Protection Rail into designated workstation.</p>                         |

## SIDE PROTECTION RAILS (VEHICLES WITH ROCK SLIDERS AND BULL BAR)

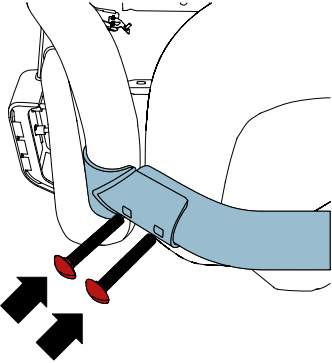
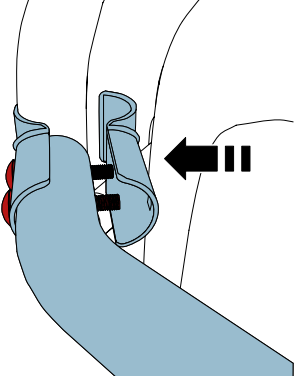
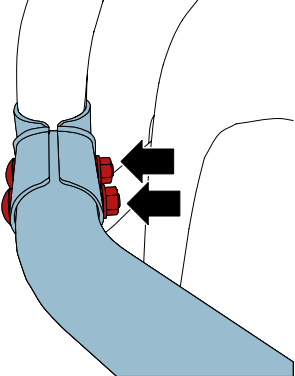
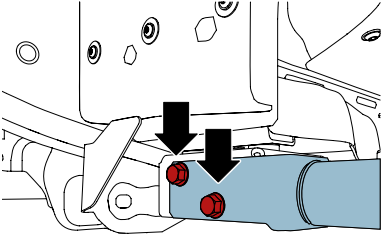
|   |  |
|---|--|
| 6 | <p>Install the Mounting Bracket to the Protection Rail.</p>                                    |
| 7 | <p>Loosely install the M10 nut that attaches the Mounting Bracket to the Protection Rail.</p>  |
| 8 | <p>Move the Right Protection Rail aside.</p>   |
| 9 | <p>Apply applicable protection to the two Front Fenders</p>                                  |



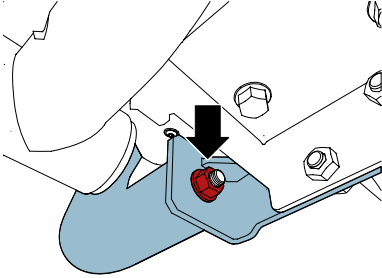
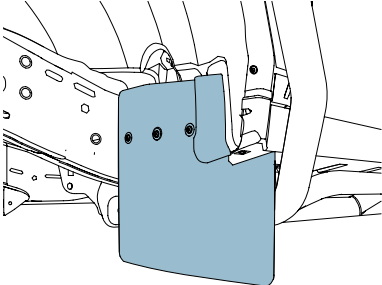
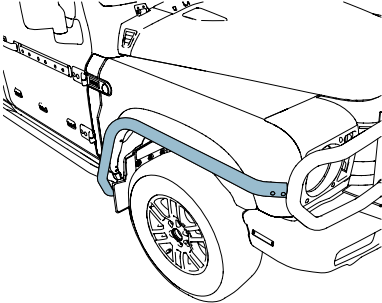
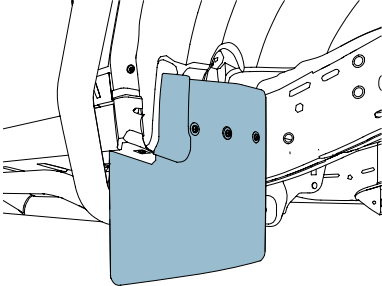
## SIDE PROTECTION RAILS (VEHICLES WITH ROCK SLIDERS AND BULL BAR)

|    |  |
|----|--|
| 10 | <p><b>⚠ Warning:</b> The Protection Rail is large and heavy. The aid of another person is necessary for the step that follows to make sure that the Fender is not damaged. If you do not, this can cause serious injury and/or damage to the vehicle and equipment.</p> <p>Move the Left Protection Rail into position.</p>  |
| 11 | <p>Move the Mud Flap aside.</p>   |
| 12 | <p>Loosely install the two M10x20 bolts that attach the Mounting Bracket to the Rock Slider.</p>   |
| 13 | <p>Move the Outer Clamp into position.</p>   |

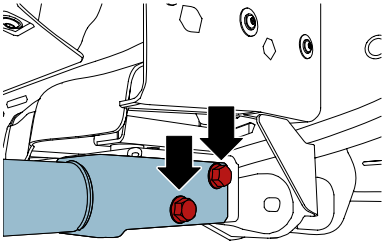
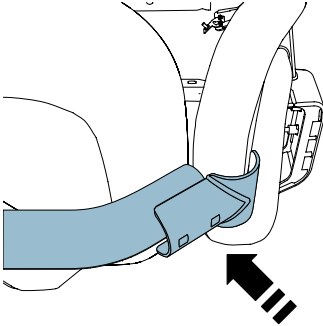
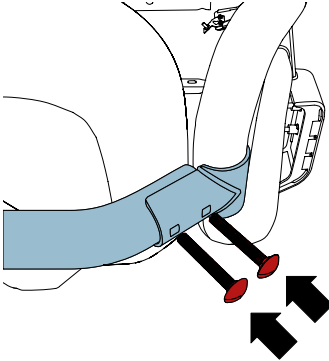
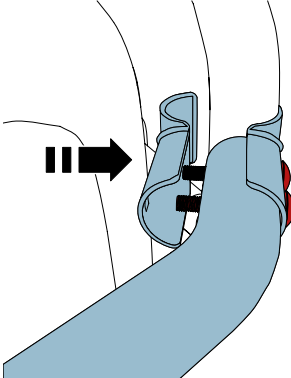
## SIDE PROTECTION RAILS (VEHICLES WITH ROCK SLIDERS AND BULL BAR)

|    |  |
|----|--|
| 14 | <p>Install the two M10x70 bolts to the Outer Clamp and Protection Rail.</p>                                |
| 15 | <p>Install the Inner Clamp to the Protection Rail.</p>    |
| 16 | <p>Install and torque the two M10 nuts that attach the Clamp to the Protection Rail to <b>35 Nm</b></p>  |
| 17 | <p>Torque the two M10x20 bolts that attach the Mounting Bracket to the Rock Slider to <b>35 Nm</b></p>   |

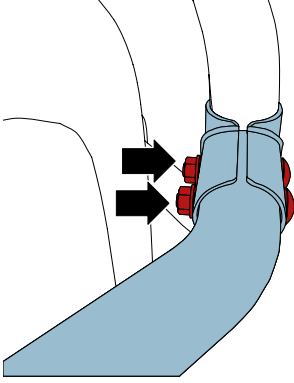
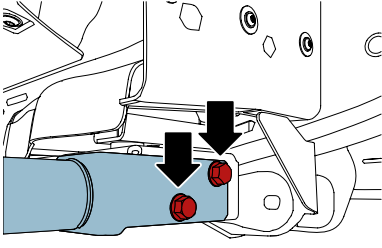
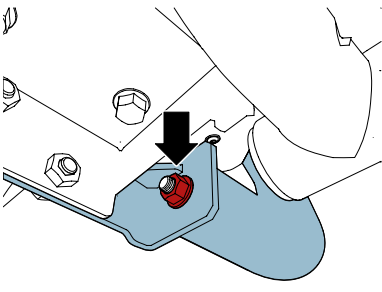
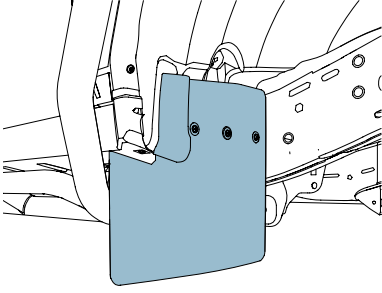
## SIDE PROTECTION RAILS (VEHICLES WITH ROCK SLIDERS AND BULL BAR)

|    |   |
|----|---|
| 18 | <p>Use a Crows Foot to torque the M10 nut that attaches the Mounting Bracket to the Protection Rail to <b>35 Nm</b>.</p>  |
| 19 | <p>Move the Mud Flap back to its initial position.</p>    |
| 20 | <p>Move the Right Protection Rail into position.</p>    |
| 21 | <p>Move the Mud Flap aside.</p>   |

## SIDE PROTECTION RAILS (VEHICLES WITH ROCK SLIDERS AND BULL BAR)

|    |  |
|----|--|
| 22 | <p><b>⚠ Warning:</b> The Protection Rail is large and heavy. The aid of another person is necessary for the step that follows to make sure that the Fender is not damaged. If you do not, this can cause serious injury and/or damage to the vehicle and equipment.</p> <p>Loosely install the two M10x20 bolts that attach the Mounting Bracket to the Rock Slider.</p>  A technical line drawing of a vehicle's rock slider assembly. A blue mounting bracket is being attached to a white rock slider. Two red bolts are shown being inserted into the bracket. Two black arrows point downwards towards the bolts, indicating the direction of installation. |
| 23 | <p>Move the Outer Clamp into position.</p>  A technical line drawing showing a blue outer clamp being moved towards a white rock slider. A black arrow with three parallel lines behind it points towards the clamp, indicating the direction of movement.  |
| 24 | <p>Install the two M10x70 bolts to the Outer Clamp and Protection Rail.</p>  A technical line drawing showing the blue outer clamp and white rock slider. Two red bolts are being inserted into the clamp. Three black arrows point towards the bolts, indicating the direction of installation.   |
| 25 | <p>Install the Inner Clamp to the Protection Rail.</p>  A technical line drawing showing a blue inner clamp being attached to a white protection rail. A black arrow with three parallel lines behind it points towards the clamp, indicating the direction of installation.   |

## SIDE PROTECTION RAILS (VEHICLES WITH ROCK SLIDERS AND BULL BAR)

|    |   |
|----|---|
| 26 | <p>Install and torque the two M10 nuts that attach the Clamp to the Protection Rail to <b>35 Nm</b></p>                     |
| 27 | <p>Torque the two M10x20 bolts that attach the Mounting Bracket to the Rock Slider to <b>35 Nm</b></p>                      |
| 28 | <p>Use a Crows Foot to torque the M10 nut that attaches the Mounting Bracket to the Protection Rail to <b>35 Nm</b>.</p>  |
| 29 | <p>Move the Mud Flap back to its initial position.</p>    |

**INEOS**  

---

**GRENA<sup>A</sup>DIER**