



UNDERBODY PROTECTION ENGINE PLATE/TRANSMISSION PLATE /TRANSFER CASE PLATE

FITTING INSTRUCTIONS



FORD RANGER 2022

FORD EVEREST 2022

PK105/106FR22/FE22-UEP-UTMP-UTCP-MB

Fitting Time : approx. 45 minute.

UNDER BODY SAFETY NOTICE:

INSTALLATION SHOULD ONLY BE DONE BY APPROPRIATELY QUALIFIED OR EXPERIENCED PERSONS IN ACCORDANCE WITH THESE INSTRUCTIONS.

IT IS THE RESPONSIBILITY OF THE INSTALLER TO ENSURE THAT THE PRODUCT IS CORRECTLY FITTED.

WARNING:

Do not attach the underbody to the vehicle using fasteners other than provided.

Do not use this product for any vehicle make or model, other than those specified.

Do not remove the plaque or label from the underbody

Do not modify the structure of the **underbody** in any way.

IMPORTANT INFORMATION:

Before installing the PIAK Products:

- Check that all components, as listed in the assembly table, are available.
- Thoroughly read all instructions.

This product or its fasteners must not be modified in any way.

These instructions are accurate as at the revision date and do not take into account any changes made by the vehicle manufacturer to vehicle design after the revision date or other accessories that are or have been fitted to the vehicle. PIAK cannot be held responsible for such changes and appropriate enquiries should be made before installation.

Before installing, inspecting and/or maintaining the PIAK Products, the work space should be safe and clear of fuel, debris, electrical or other components.

During installation:

- It is the responsibility of the installer to confirm correct operation/clearance of all components.
- All holes drilled shall have all burrs and swarf removed then coated with a suitable rust preventative paint.
- Ensure that all hardware is fastened to torque list as detailed in these instructions.

MAINTENANCE AND CARE:

To ensure continued safety and correct operation of the PIAK Products. It must be routinely inspected and regularly serviced (including bolt torque checked for correct tension) by an appropriately qualified or experienced person.

The high tensile fasteners supplied with this product were used to achieve the specified rating. If replacement of the fasteners is required, fasteners of the same rating and quality must be used.

EQUIPMENT:

These safety products should, at a minimum, be used when fitting or working on the product.



Protective Glasses



Hearing Protection

Installation in accordance with these instructions and adherence to warnings will ensure compliance with relevant regulatory and safety standards as at the revision date.

BY USING THIS PRODUCT YOU ACKNOWLEDGE AND AGREE THAT TO THE EXTENT PERMITTED BY LAW PIAK WILL NOT ACCEPT LEGAL OR OTHER LIABILITY FOR ANY LOSS, INJURY OR DAMAGE CAUSED BY INCORRECT OR INAPPROPRIATE INSTALLATION OR USE OF THE PRODUCT.

TOOLS REQUIRED

1. Torque , Socket wrench
2. Open spanner

Part Listing

⚠ Important : Check contents of fitting kit before commencing fitment and report any discrepancies.

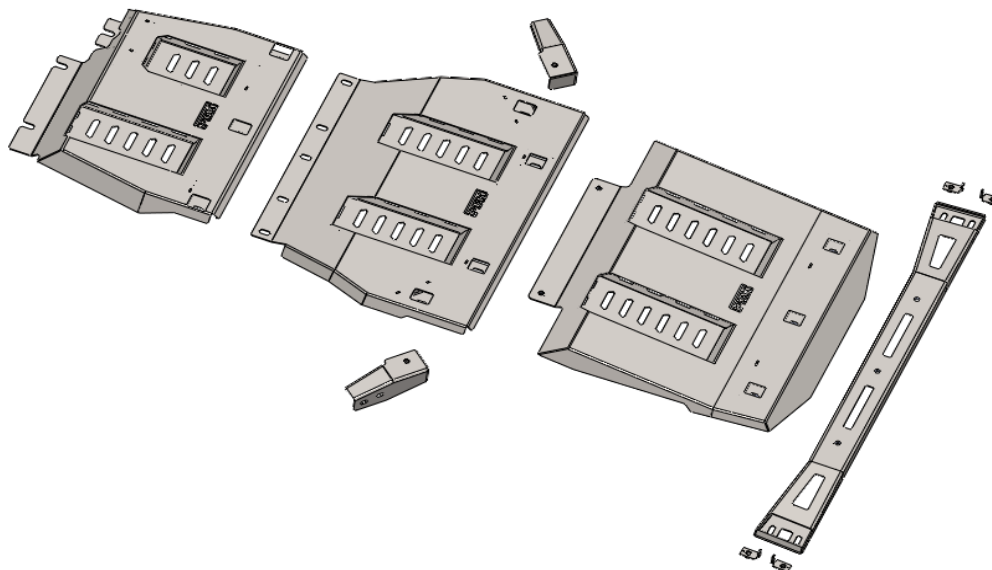
Underbody Protection Plate

Item	Component Name	Q'ty	Remarks
1	Engine Plate	1	
2	Transmission Plate	1	
3	Transfer Case Plate	1	
4	Transmission Plate-Bracket (RH)	1	
5	Transmission Plate-Bracket (LH)	1	
6	Transfer Case Plate-Bracket	1	
7	Plate Nut M10x1.5	4	

Fasteners

Item	Component Name	Q'ty	Remarks
8	Hex Bolt M10x35x1.5	19	
9	Spring Washer M10	19	
10	Flat Washer M10	19	

COMPONENTS OVERVIEW

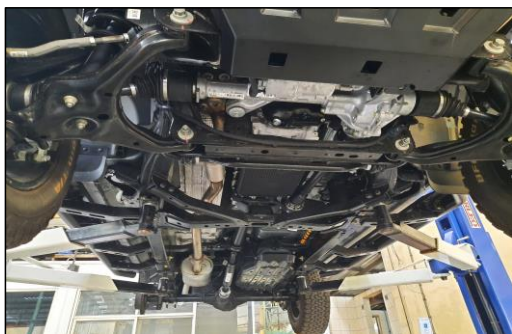


Torque Setting of Fastener

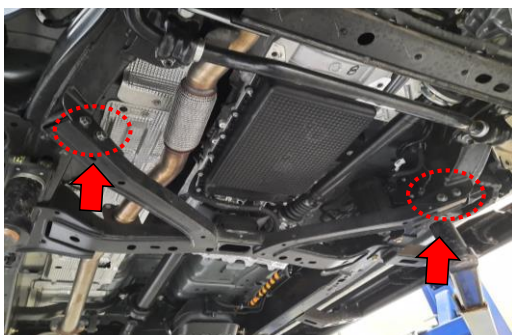
Mounting bolts must be tightened to torque's specified following ;

Bolt Diameter (mm.)	Class 8.8		Class 10.9	
	Torque (Nm.)	Torque (ft-lb.)	Torque (Nm.)	Torque (ft-lb.)
M6	10.5	7.7	15	11.1
M8	25.5	18.8	36.5	26.9
M10	50.5	37.2	72.2	53.3
M12	88	64.9	126	92.9
M14	140	103	200	148

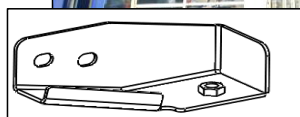
Fitting Procedure



- 1 Locate the vehicle in a suitable area. Remove underbody OE.

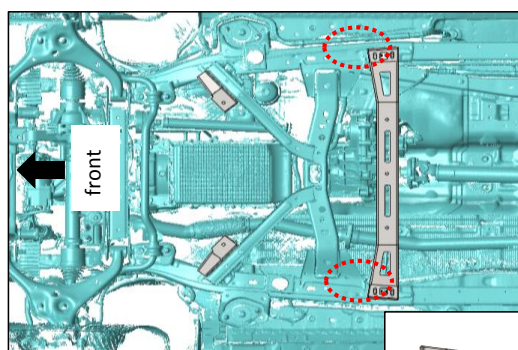
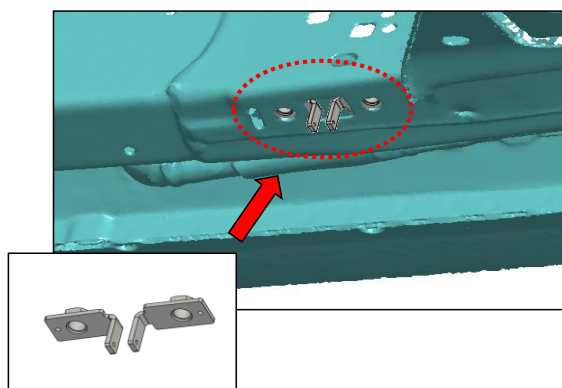


- 2 Fit Transmission Plate Bracket onto the chassis of vehicle. Secure with bolt original.



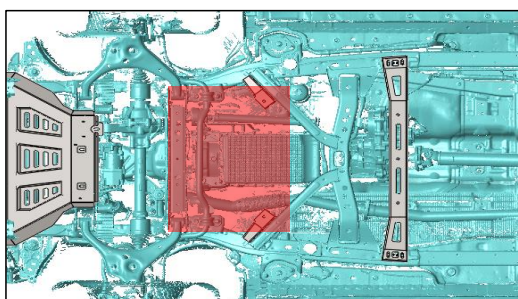
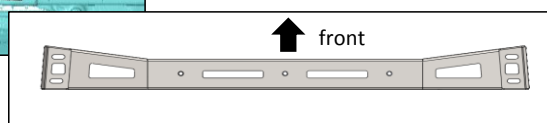
- 3 Place Plate Nut M10 on the chassis rail.

Fitting Procedure



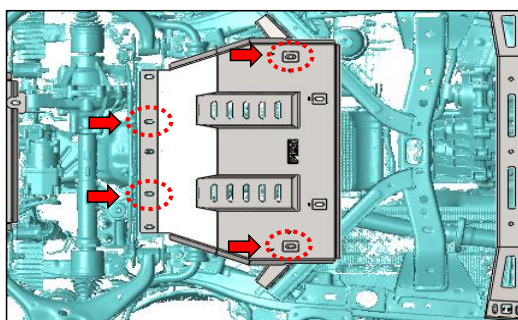
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Fit Transfer Case Plate Bracket onto the chassis of vehicle. securing four M10 bolts(M10x35x1.5), spring washers, and flatwashers.

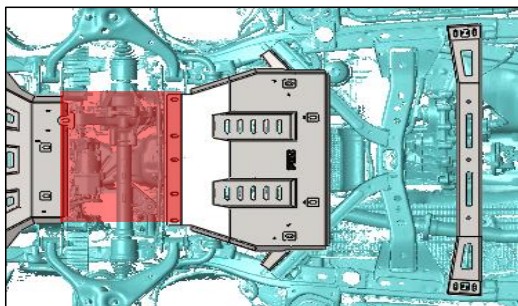


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Fit Transmission Plate onto Transmission Plate Bracket . Use four M10 bolts (M10x35x1.5), spring washers, and flat washers.

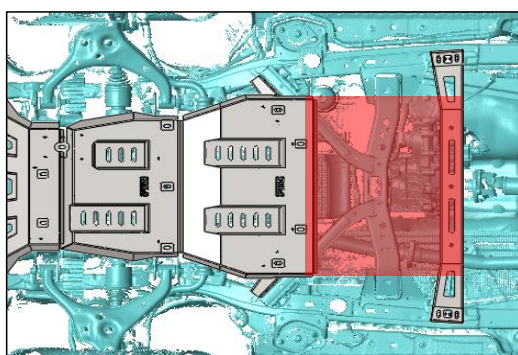
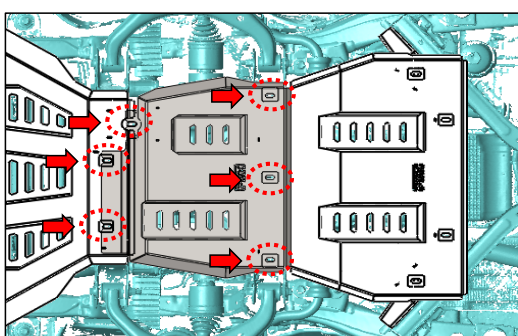


Fitting Procedure



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Fit Engine Plate onto chassis rail . Use six M10 bolts (M10x35x1.5), spring washers, and flat washers.



7

Fit Transfer Case Plate onto Transfer Case Plate-Bracket . Use five M10 bolts (M10x35x1.5), spring washers, and flat washers.

