



# FITTING INSTRUCTIONS

Part Number: **5440230**

Product Description: UNDER VEHICLE PROTECTION

Suited to vehicle/s: FORD RANGER USA

**Please place these instructions in vehicle glovebox when complete.**

## **WARNING**

### **REGARDING VEHICLES EQUIPPED WITH SRS AIRBAG;**

When installed in accordance with these instructions, the vehicle protection panels do not affect operation of the SRS airbag.

### **ALSO, NOTE THE FOLLOWING:**

- ◆ This product must be installed exactly as per these instructions using only the hardware supplied.
- ◆ Do not use this product for any vehicle make or model, other than those specified by ARB.
- ◆ Do not remove labels (if any) from this product.
- ◆ This product or its fixing must not be modified in any way.
- ◆ The installation of this product may require the use of specialized tools and/or techniques
- ◆ These instructions are correct as at the publication date. ARB Corporation Ltd. cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer
- ◆ During installation, it is the duty of the installer to check correct operation/clearances of all components
- ◆ Work safely at all times
- ◆ Unless otherwise instructed, tighten fasteners to specified torque

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## **ARB 4x4 ACCESSORIES**

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# IMPORTANT INFORMATION. GENERAL CARE AND MAINTENANCE

By choosing ARB vehicle protection, you have bought a product that is one of the most sought after 4WD products in the world. Your under-vehicle protection panels are a properly engineered, reliable, quality accessory that represents excellent value.



- While these panels have been engineered for strength and functionality care and good judgment should be taken when traversing difficult off-road conditions to minimise damage to panels and vehicle.
- During servicing when panels are removed ensure fasteners are re-fitted to the correct torque values.
- Inspect panels visually on a regular basis. Dirt and foreign matter should be washed out to minimise build-up around hot components. **BE VERY CAREFUL** when removing foreign matter with hands while vehicle is hot or running. Replace any components as necessary. This service can be performed by your local authorized ARB Stockist.

## FITTING REQUIREMENTS

### REQUIRED TOOLS FOR FITMENT OF PRODUCT:

<b>BASIC TOOL KIT</b>	<b>TORQUE WRENCH 22-77Nm</b>

### HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT:

<b>Protective eyewear</b>	
<b>Hearing protection</b>	

**NOTE: 'WARNING' notes in the fitting procedure relate to OHS situations, where to avoid a potentially hazardous situation it is suggested that protective safety gear be worn or a safe work procedure be employed. If these notes and warnings are not heeded, injury may result.**

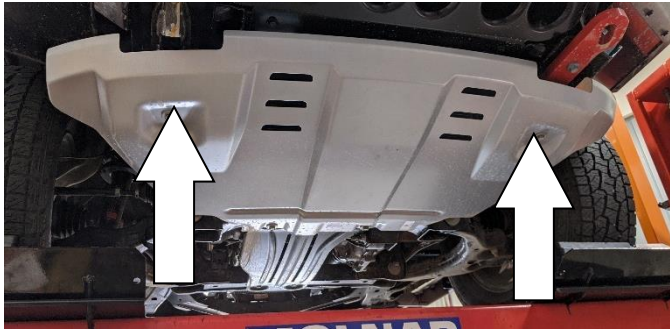
### FASTENER TORQUE SETTINGS:

SIZE	Torque Nm	Torque lbft
M6	9	7
M8	22	16
M10	44	32
M12	77	57

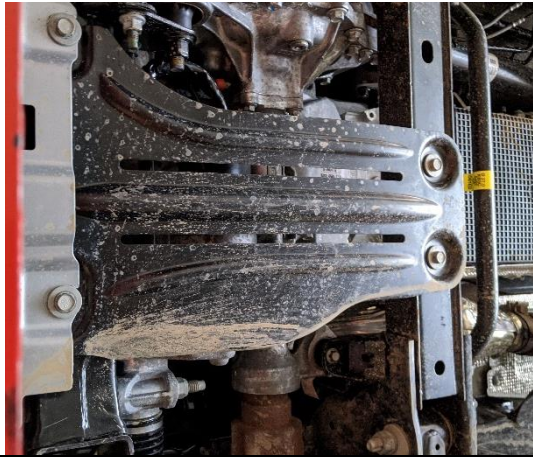
## PARTS LISTING

APPLICATION.	PART NO.	QTY.	DESCRIPTION.
FIT FRONT PANEL	4654932	1	FRONT UVP ASSEMBLY
	6151357	1	BOLT M10 SEMS
	6151456	1	BOLT M10 X 45 MM
	4581083	1	WASHER FLAT M10
	3194376	1	WASHER SPACER 10 MM Ø 35 x 12MM
	6151303	3	NUT CAGE M8
FIT DIFF PANEL	4654933	1	DIFF UVP ASSEMBLY
	3194375	2	PLATE SPACER 6 MM
	6151357	1	BOLT M10 SEMS
	3199915	1	CAGE NUT PLATE M10
	6151304	1	NUT M10 CAGE
	6151456	2	BOLT M10 X 45 MM
	4581083	2	WASHER FLAT M10
	6151022	3	BOLT M8 X 25
	4581044	3	WASHER FLAT M8
FIT TRANSMISSION/TRANSFER- CASE PANEL	4654934	1	TRANS UVP ASSEMBLY
	6151022	3	BOLT M8 X 25
	4581044	3	WASHER FLAT M8
	6151132	3	NUT FLANGE M8
	3199915	1	CAGE NUT PLATE M10
	6151304	1	NUT M10 CAGE
	6151357	2	BOLT M10 SEMS

## FITTING PROCEDURE



1. Remove factory front & diff stone guards from vehicle and set aside front 2 fasteners.



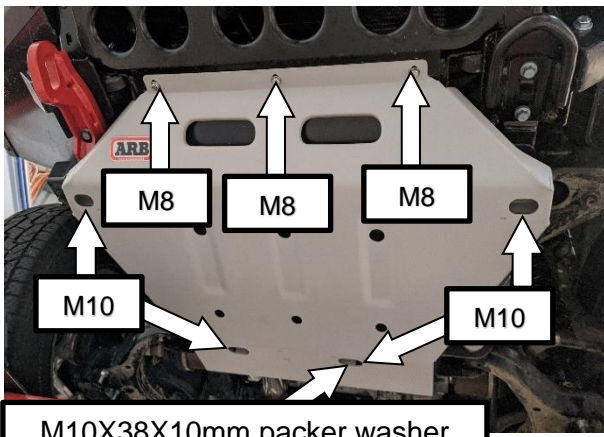
2. Remove factory transmission guard from vehicle.



3. Position M8 cage nuts into front panel as shown.



4. Position M10 cage nuts into nut plates as shown.



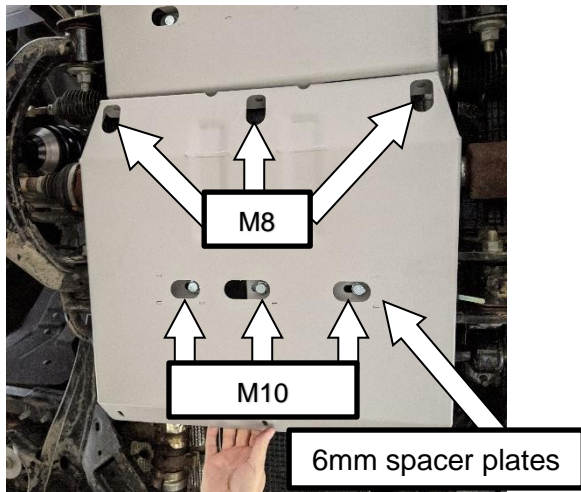
M10X38X10mm packer washer

UVP FITTED IN CONJUNCTION WITH ARB BULL BAR

- Loosely fasten ARB front panel to vehicle as shown using fasteners supplied in kit as well as 2x fasteners removed previously in step 1. Ensure to secure the M10X38X10mm packer washer between the front panel and chassis (as seen in the image to the left).

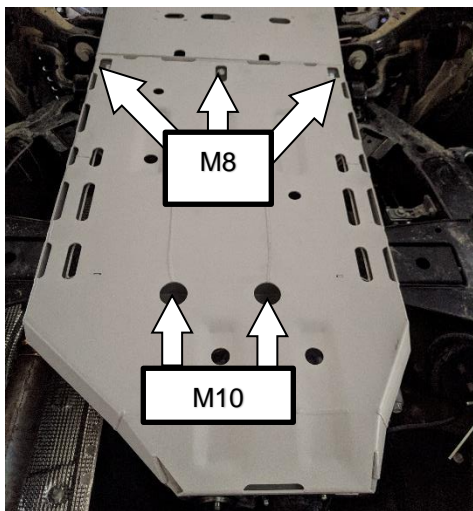
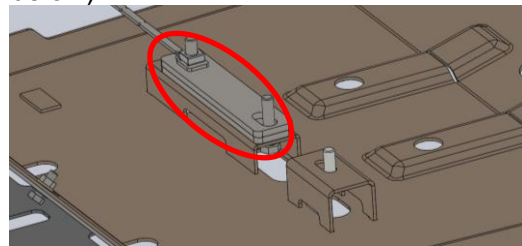
**Note:** When vehicle is equipped with bull bar, use 3xM8 fasteners (supplied with bull bar) to fix front edge of panel as shown.

REFER "FIT FRONT PANEL" SECTION OF TABLE ON PAGE 3.



6mm spacer plates

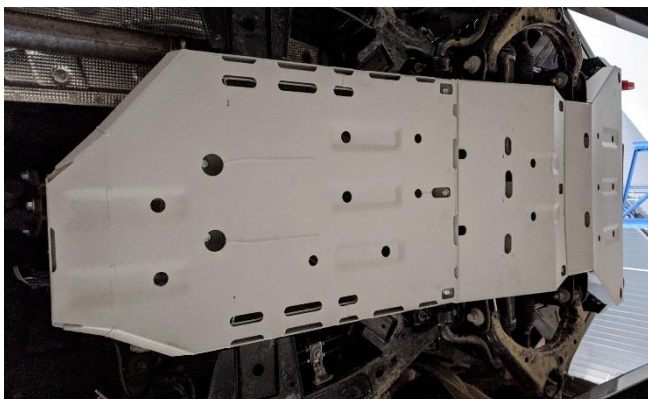
- Loosely fasten ARB diff panel to vehicle and Front Panel as shown using fasteners supplied in kit. REFER "FIT DIFF PANEL" SECTION OF TABLE ON PAGE 3. Ensure to secure the 6mm spacer plates between the diff panel and chassis (as seen in the image below).



M10

- Loosely fasten ARB transmission/transfer-case panel to vehicle and Diff Panel as shown using fasteners supplied in kit.

REFER "FIT TRANSMISSION/TRANSFER-CASE PANEL" SECTION OF TABLE ON PAGE 3.



- Tighten all fasteners beginning with sets fixing panels together and then move on to fastener sets fixing panels to chassis.



M8: 22 Nm.



M10: 44 Nm.

# FITTED PRODUCT – RANGER USA UNDER VEHICLE PROTECTION

