FITTING INSTRUCTIONS

Part Number: **5440200**

Product Description: UNDER VEHICLE PROTECTION

Suited to vehicle/s: FORD RANGER PX AND MAZDA BT-50 (2012/ -)

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

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:

BASIC TOOL KIT	TORQUE WRENCH 22-44Nm
AIR SAW/MULTI TOOL	

HAVE AVAILABLE THESE SAFETY ITEMS WHEN FITTING PRODUCT:

Protective eyewear		**Hearing protection**	

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:

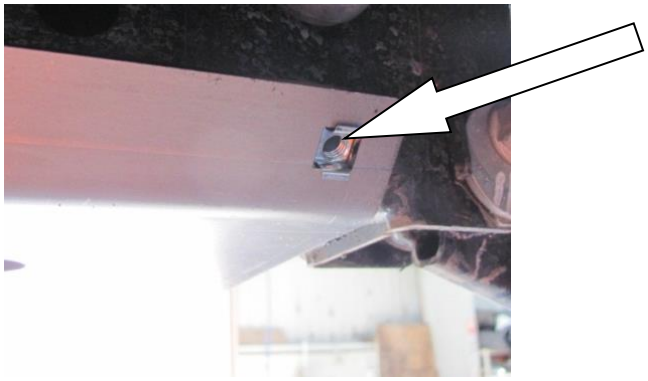
SIZE	Torque Nm	Torque lbft
M6	9	7
M8	22	16
M10	44	32
M12	77	57

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PARTS LISTING			
APPLICATION.	**PART NO.**	**QTY.**	**DESCRIPTION.**
FIT FRONT PANEL	**6522866**	**1**	**FRONT UVP ASSEMBLY**
	6151357	**1**	**BOLT M10 SEMS**
	6151321	**2**	**NUT M10 FLANGE**
	6151456	**3**	**BOLT M10 X 45 MM**
	4581083	**3**	**WASHER FLAT M10**
	4581048	**3**	**WASHER SPRING M10**
	3194376	**1**	**WASHER SPACER 10 MM Ø 35 x 12MM**
	6151303	**3**	**NUT CAGE M8**
FRONT PANEL TO OEM BUMPER ONLY	**4581032**	**2**	**SPACER WASHER Ø 16 x 32 x 14MM**
FIT SUMP PANEL	**6522867**	**1**	**SUMP 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**
	4581048	**2**	**WASHER SPRING M10**
	6151022	**3**	**BOLT M8 X 25**
	4581046	**3**	**WASHER SPRING M8**
	4581044	**3**	**WASHER FLAT M8**
FIT TRANSMISSION MOUNT	**3194799**	**1**	**TRANSMISSION MOUNT**
	3199915	**1**	**CAGE NUT PLATE M10**
	6151304	**1**	**NUT M10 CAGE**
	6151357	**2**	**BOLT M10 SEMS**
FIT TRANSMISSION PANEL	**6523060**	**1**	**TRANSMISSION UVP ASSEMBLY**
	6151357	**2**	**BOLT M10 SEMS**
	6151321	**2**	**NUT M10 FLANGE**
	6151022	**3**	**BOLT M8 X 25**
	4581046	**3**	**WASHER SPRING M8**
	4581044	**3**	**WASHER FLAT M8**
	6151132	**3**	**NUT FLANGE M8**
FIT TRANSFER PANEL	**6522872**	**1**	**TRANSFER CASE UVP**

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FITTING PROCEDURE



1. Remove original stone shields from vehicle. Insert 3 x Ø M8 cage nuts to rear of supplied front panel as shown.



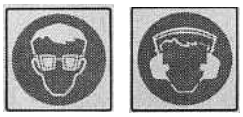
2. Trim plastic air dam using an air saw / multi tool.

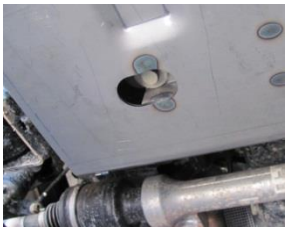
   Measure 20 mm up from corner and 80 mm back. Mark a cut line between the points as shown.

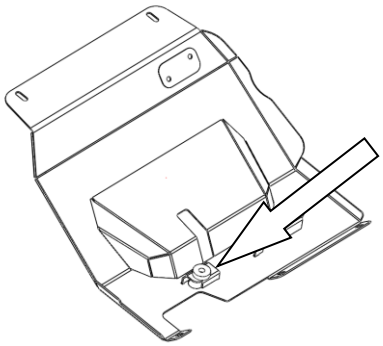
NOTE:

Installation of the front panel may require additional material removed.

If required, cut additional material in small increments until a clearance of 10 mm is achieved between the air dam and the front panel.



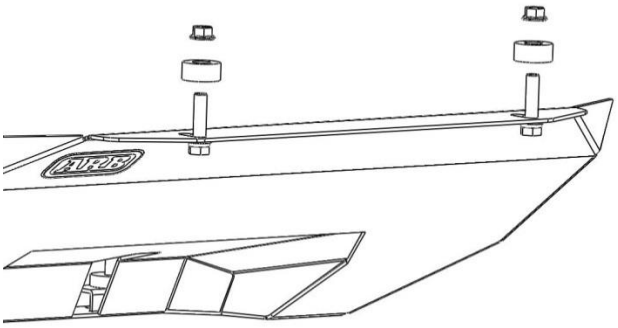




If recovery point is fitted skip to next step.

3. Place Ø 35 mm x Ø 12 mm x 10 mm washer spacer as shown.
4. Place panel up to vehicle and secure to original points in chassis using Ø M10 SEMS bolt on the lower RH side and an Ø M10 x 45 mm bolt, spring & flat washer on the lower LH side.

NOTE: Leave finger tight.



When vehicle is equipped with an original vehicle bumper;

5. Place 2 x spacer washers provided between the vehicle and the UVP.
6. Secure front of panel using 2 x Ø M10 x 45 mm bolt, spring & flat washer.

NOTE: Leave finger tight.

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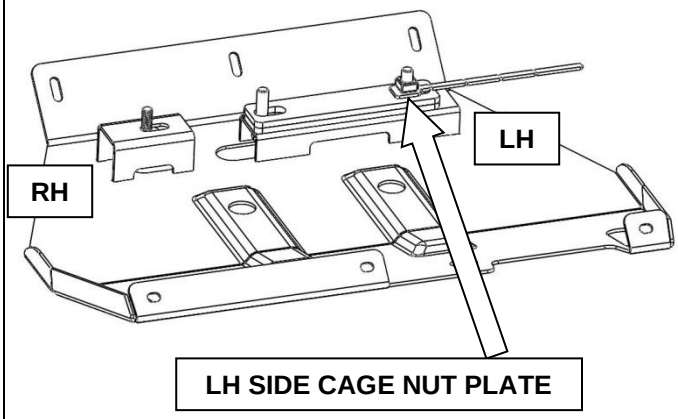
FITTING PROCEDURE



When vehicle is equipped with a bullbar;

7. Secure front of panel using 2 x Ø M10 mm x 45 mm bolt, spring & flat washer.

NOTE: Leave finger tight.



If recovery point is fitted, skip to next step.

8. Place two 6 mm plate spacers on the sump panel as shown.
9. Lift sump panel into position and secure to chassis cross member using Ø M10 SEMS bolt on the RH side, Place Ø M10 x 45 mm bolt, flat & spring washer for the middle and LH side. On the LH side only, insert cage nut plate and Ø M10 cage nut.

Important:

If recovery point is fitted, retain recovery point cage nut plate for fitment.

Insert cage nut plate from access hole in top of cross member.

NOTE: Leave finger tight.



10. Secure sump panel to front panel using 3 x Ø M8 x 25 bolts, Ø M8 spring washers and Ø M8 flat washers.

NOTE: Leave finger tight.



11. Remove and discard OEM shield from transfer case.

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FITTING PROCEDURE



12. Fit transmission mount to transmission cross member using 2 x Ø M10 SEMS bolts, Ø M10 cage nut and cage nut plate.
Only the RH side needs a cage nut & plate.
Ensure plate is aligned with cross member.
Make sure slotted mounting points face rearwards.
13. Tighten mounting plate fasteners to prescribed torque settings now.

44 Nm.



14. With the help of another person or a jack lift the transmission panel into place and secure the front section using 3 x Ø M8 x 25 bolts, spring washer, flat washers and flange nuts.

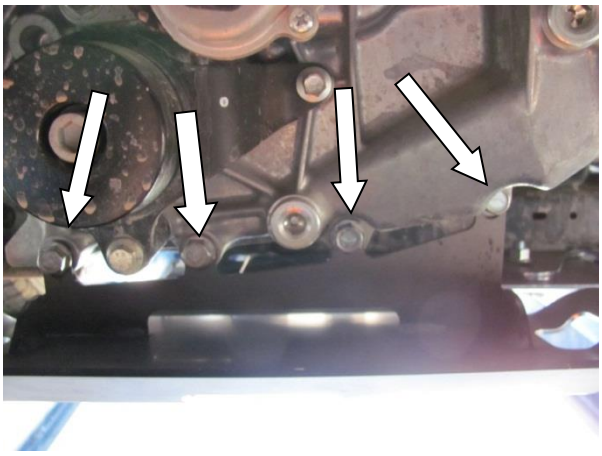
NOTE: Leave finger tight.



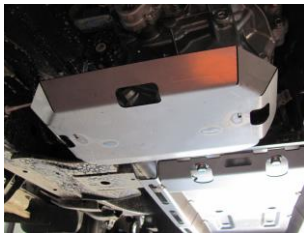
15. Secure rear of transmission panel using 2 x Ø M10 SEMS bolts and Ø M10 flange nuts.
16. Once done, tighten ALL bolts to prescribed torque;

M8 fasteners; 22 Nm.

M10 fasteners; 44 Nm.



17. Remove four bolts from rear of transfer case as shown. A drip tray should not be needed but may be wise to have. Place transfer panel up to case and secure using bolts removed.
18. Torque to vehicle manufactures specification.



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FITTED PRODUCT



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