



# FITTING INSTRUCTIONS

Part Number: **5446100**

Product Description: UNDER VEHICLE PROTECTION.

Suited to vehicle/s: ML/MN TRITON AND 2010 CHALLENGER.

**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:

<b>BASIC TOOL KIT</b>	
<b>INC 3/8 DRIVE SOCKET SET</b>	

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

<b>Protective eyewear</b>		<b>Hearing protection</b>	
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**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	9Nm	7lbft
M8	22Nm	16lbft
M10	44Nm	32lbft
M12	77Nm	57lbft

<b>PARTS LISTING</b>			
<b>APPLICATION.</b>	<b>PART NO.</b>	<b>QTY</b>	<b>DESCRIPTION</b>
FIT FRONT PANEL	6522786	1	FRONT PANEL ASSY
	6151303	1	CAGE NUT M8
FIT SUMP PANEL	6522788	1	SUMP PANEL ASSY
	6151022	3	BOLT M8 X 1.25 X 25
	6151083	2	BOLT M8 X 1.25 X 35
	4581046	5	SPRING WASHER M8
	4581044	5	FLAT WASHER M8
	4584305	2	SPACER M10 X 25 X 10
	6151132	2	FLANGE NUT M8
	6151303	1	CAGE NUT M8
FIT TRANSMISSION PANEL	6522790	1	TRANSMISSION PANEL ASSY
	3751880	1	BRACKET TRANSMISSION MOUNT
	6151357	2	BOLT M10 SEMS
	6151022	3	BOLT M8 X 1.25 X 25
	4581046	3	SPRING WASHER M8
	4581044	3	FLAT WASHER M8
	6151302	2	CAGE NUT M10
	6151132	2	FLANGE NUT M8
FIT TRANSFER CASE GUARD	6522792	1	T/CASE GUARD ASSY

## FITTING PROCEDURE



1. Remove O.E stone shields and retain ALL mounting bolts for later use.

**NOTE: Straighten mount brackets if damaged.**



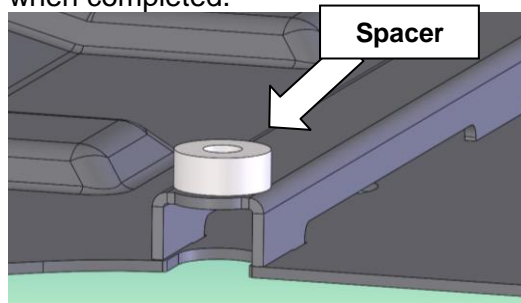
2. Fit front panel to vehicle using original bolts. **Leave bolts finger tight.**



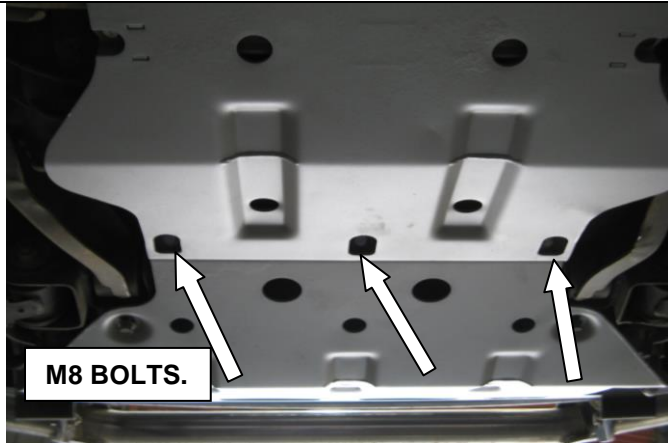
3. Once front panel is mounted fit an M8 cage nut to centre square hole as shown.



4. Lift sump panel into position and secure to cross member using 2x spacers, 2x M8 X 35mm bolts, spring washers and washers. Fit an M8 cage nut to rear centre of panel when completed.



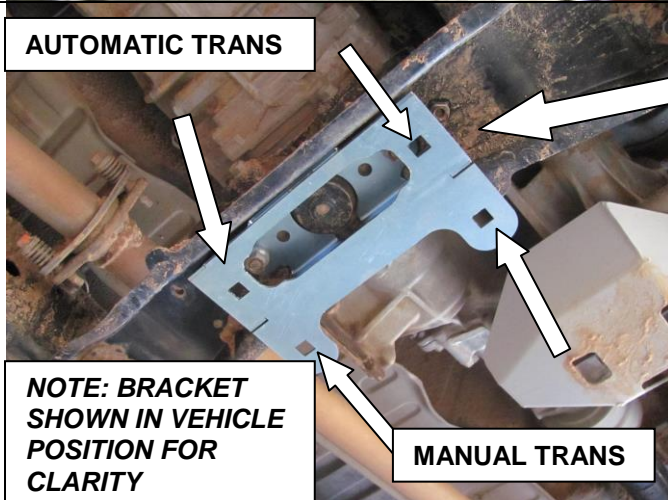
## FITTING PROCEDURE



M8 BOLTS.

5. Secure sump panel to front panel using 3 x M8 bolts, spring washers, flat washers and flange nuts supplied.

**LEAVE BOLTS FINGER TIGHT**

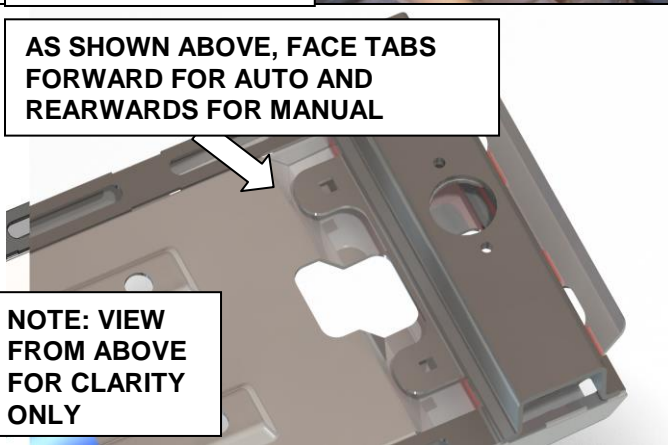


AUTOMATIC TRANS

**NOTE: BRACKET SHOWN IN VEHICLE POSITION FOR CLARITY**

MANUAL TRANS

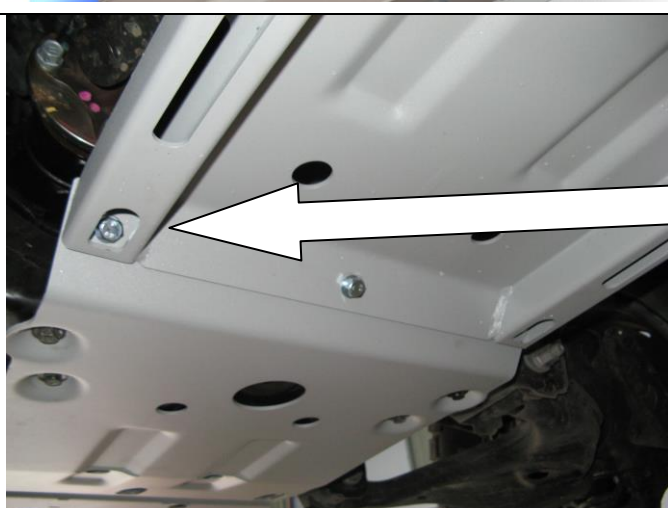
6. Before fitting transmission panel the mounting bracket needs to be bolted to the O.E gearbox mount.
7. Fit 2 x M10 cage nuts to bracket positions as shown depending on whether manual or auto transmission.



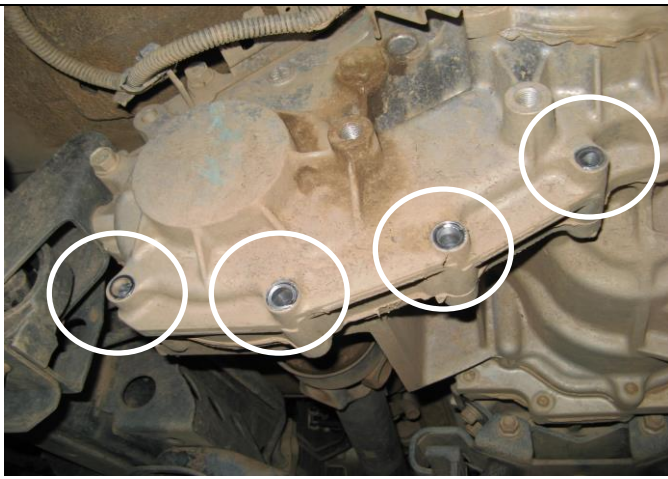
**AS SHOWN ABOVE, FACE TABS FORWARD FOR AUTO AND REARWARDS FOR MANUAL**

**NOTE: VIEW FROM ABOVE FOR CLARITY ONLY**

8. Remove gearbox rubber mounting nuts and retain.
9. Mount bracket to underside of cross member as shown, using the original gearbox mounting nuts.
10. ***Nip up nuts only as these will be final tightened after assembly has been trial fitted***



11. Mount transmission panel to sump panel using 3 x M8 bolts, spring washers, flat washers and flange nuts supplied.
12. Secure rear of panel using 2 x M10 SEMS bolts supplied, **DO NOT TIGHTEN.**
13. Check that all bolts, especially the LH bolt on the panel clears the vehicle transfer case mount
14. **Once the trial fit is complete remove the transmission panel and tighten the mount bracket nuts. Refit the panel and tighten all fasteners to specified torque**



15. **Carefully** remove transfer case bolts as shown in photo and retain. Ensure seal is not compromised.



16. Fit transfer panel using original bolts and tighten to specified torque.

## FITTED PRODUCT

