

THE POWER OF

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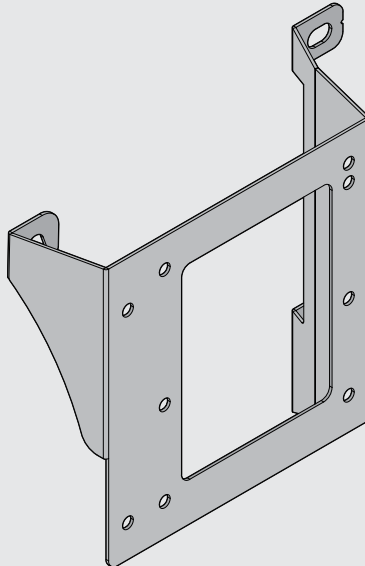
BCDCMB-109

Mounting Bracket for Selected
REDARC BCDC Battery Chargers

SUITABLE FOR:

MITSUBISHI TRITON MR DIESEL
(2019-ONWARDS)

MITSUBISHI PAJERO SPORT QF
(2019-ONWARDS)



BCDC Alpha Mounting Bracket

Suitable for Mitsubishi Triton MR Diesel and Pajero Sport QF (2019-ONWARDS)

The REDARC **BCDCMB-109** Mounting Bracket is designed to install your BCDC Classic/BCDC Alpha Battery Charger* close to an auxiliary battery mounted in the engine bay. Do not use if the battery is located elsewhere.

For maximum performance, mount your BCDC Classic/BCDC Alpha in the cool airflow at the front of your vehicle, away from high temperature areas.

The BCDC Alpha Mounting Bracket is constructed from durable stainless steel and has been designed to fit existing mounting points in your vehicle for ease of installation.

***NOTE:** The BCDC Alpha Mounting Brackets are only for engine bay designed Battery Chargers. DO NOT use the Mounting Bracket to install a BCDC Core Battery Charger (BCDCN1225, BCDCN1240).

WARNINGS AND SAFETY INFORMATION

SAVE THESE INSTRUCTIONS — this manual contains important safety instructions. Do not install the BCDC Alpha Mounting Bracket unless you have read and understood this manual.

REDARC recommends to review your vehicle to ensure this kit suits your vehicle's make and specifications.

REDARC recommends that the BCDC Alpha Mounting Brackets be installed by a suitably qualified person. It is the installers responsibility to ensure their installation complies with any applicable legal and regulatory requirements.

Disclaimer: REDARC accepts no liability for any injury, loss or property damage which may occur from the improper or unsafe installation or use of its products.

SAFETY MESSAGE CONVENTIONS

Safety messages in this manual include a signal word to indicate the level of the hazard as follows:

▲ WARNING

Indicates a potentially hazardous situation which could result in death or serious injury to the operator or to bystanders.

▲ CAUTION

Indicates a potentially hazardous situation which may result in moderate or minor injury to the operator or to bystanders.

NOTICE

Indicates a situation that may cause equipment damage.

▲ WARNING

- Do not operate around the engine bay with the engine operating. Ensure the vehicle is OFF before mounting Battery Charger assembly.

▲ CAUTION

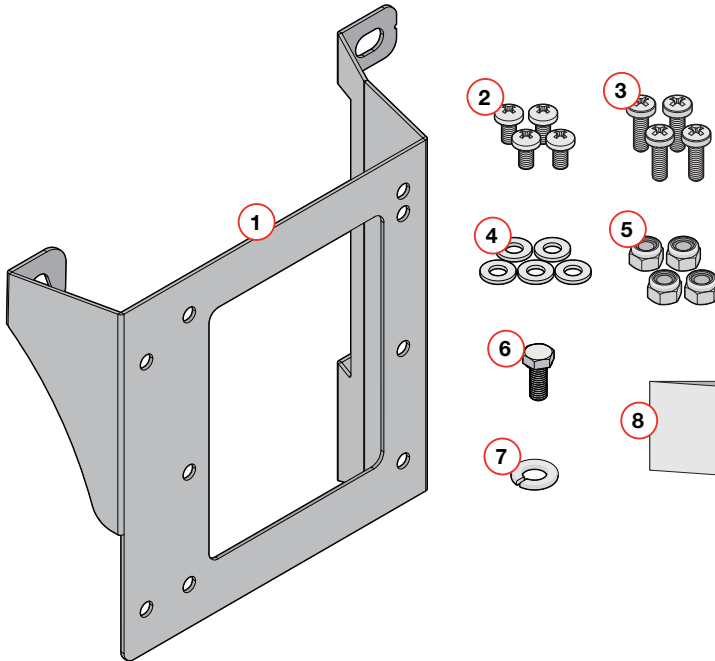
- Use Personal Protective Equipment (PPE). Wear appropriate clothing as well as eye protection when operating power tools.
- Take care when working in and around engine bay to avoid punch points, sharp edges and hot surfaces.



NOTICE

- Removing existing vehicle fixings may expose bare metal, resulting in rust. Retouch any exposed metal with rust inhibitor if it is not an earth connection.
- Damage to cabling can cause failure of the Battery Charger and vehicle electrical systems. Ensure wiring is clear of sharp edges and moving parts.

BCDC ALPHA MOUNTING BRACKET PARTS



1. Mounting Bracket

Supplied with 1 bracket.

2. M6 x 12 mm Pan Head Bolt

Supplied with 4 bolts.

3. M6 x 20 mm Pan Head Bolt

Supplied with 4 bolts.

4. M6 Flat Washer

Supplied with 5 washers.

5. M6 Nyloc Locking Nut

Supplied with 4 nuts.

6. M6 x 20 mm Hex Head Bolt

Supplied with 1 bolt.

7. M6 Spring Washer

Supplied with 1 washer.

8. Installation Template

Supplied with 1 template.

RECOMMENDED TOOLS

The tools listed below are typically sufficient to complete the installation, however, some specific models may require more specialised tools.

- Metric Socket set (at least 10mm and 12mm socket) with extension bars.
- Metric Spanner 10mm, 12mm and 13mm.
- Medium (#3) Phillips-Head Screwdriver.
- Drill with a 12mm drill bit.
- Sharp utility knife

ASSEMBLY

ASSEMBLING BATTERY CHARGER TO BRACKET

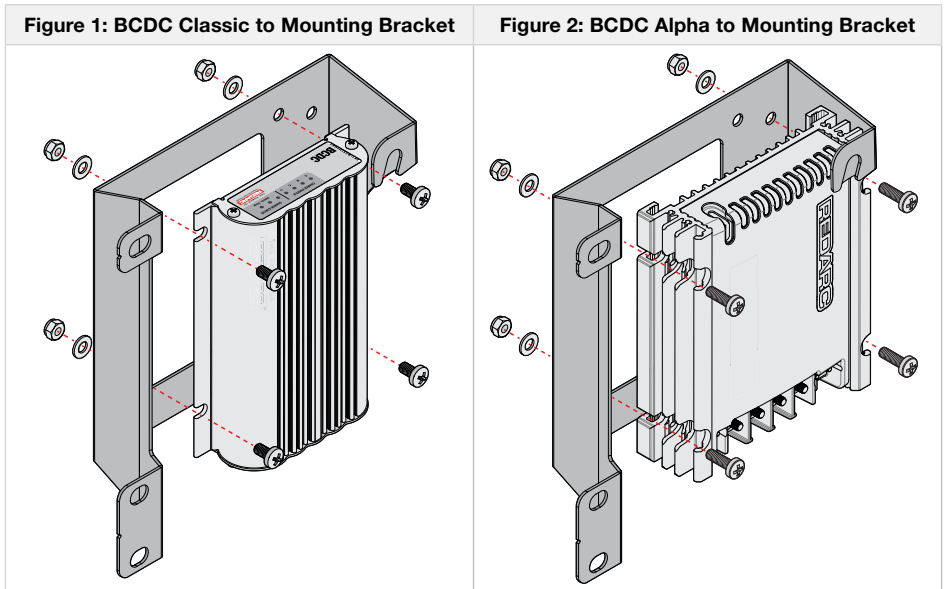
The BCDC Alpha Mounting Bracket must be bolted and fitted to the Battery Charger before mounting to the vehicle. Do not install the BCDC Alpha Mounting Bracket to the vehicle first.

BCDC Classic Battery Charger

If mounting a BCDC Classic Battery Charger, use the supplied M6 × 12 mm Pan Head Bolts, M6 Flat Washers and M6 Nyloc Locking Nuts to secure the Battery Charger to the Mounting Bracket (see [Figure 1](#)).

BCDC Alpha Battery Charger

If mounting a BCDC Alpha Battery Charger, use the supplied M6 × 20 mm Pan Head Bolts, M6 Flat Washers and M6 Nyloc Locking Nuts to secure the Battery Charger to the Mounting Bracket (see [Figure 2](#)).

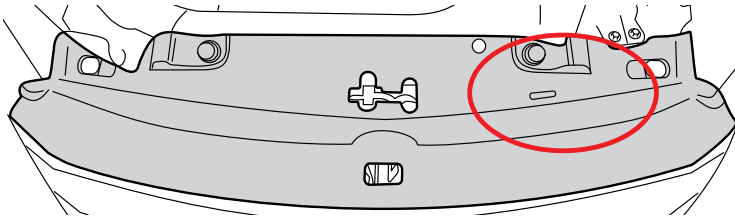


PRIOR TO INSTALLATION

LOCATION OF INSTALLATION

The assembled Mounting Bracket and Battery Charger will be mounted on the left side of the radiator.

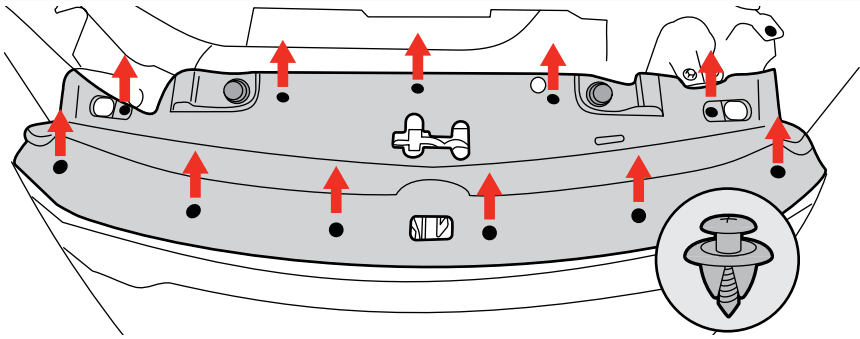
Figure 3: Installation Location



REMOVING PLASTIC PANEL

Remove the plastic panel by taking out the eleven clips, see [Figure 4](#). To remove these, unscrew the centre before pulling upwards.

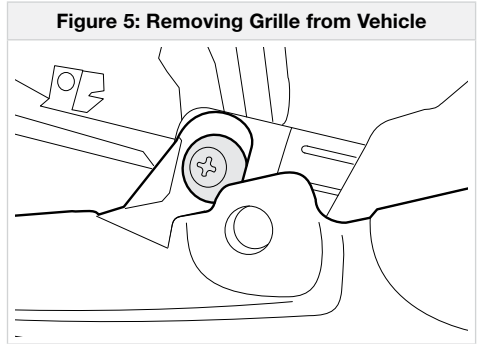
Figure 4: Removing Plastic Panel



REMOVING THE GRILLE (OPTIONAL)

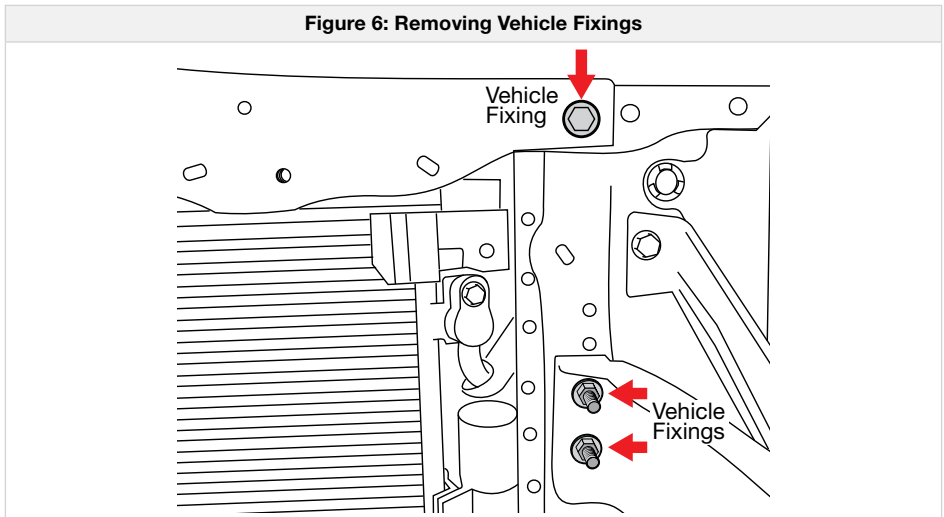
It is not necessary to remove the grille to complete the installation, however if installing additional accessories at the same time, removing the grille may be helpful.

To do this, remove the two partially concealed clips located at each end of the grille before lifting the grille away from the bumper.



REMOVING VEHICLE FIXINGS

Remove the vehicle fixings as shown in Figure 6.



NOTICE: Removing existing vehicle fixings may expose sharp surfaces and bare metal, resulting in rust. Retouch any exposed metal with rust inhibitor if it is not an earth connection.

BATTERY CHARGER WIRING

Complete required wiring in accordance with your battery chargers instruction manual.

NOTICE: Damage to cabling can cause failure to the battery charger and the vehicle's electrical system. Ensure wiring is clear of sharp edges, moving parts and has enough slack to allow for flexing.

INSTALLATION

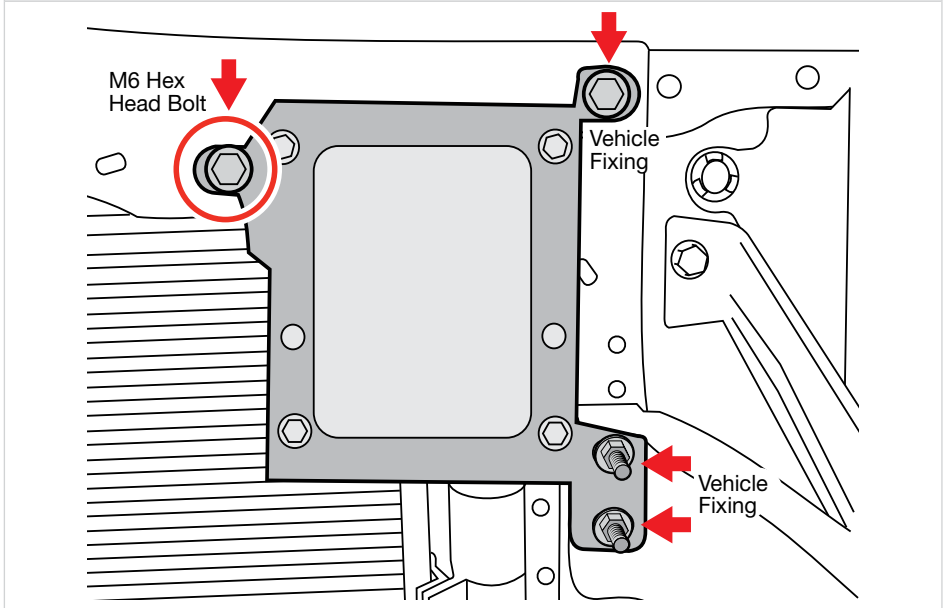
FITTING THE MOUNTING BRACKET ASSEMBLY TO VEHICLE

Align the top right and bottom right mounting points on the Mounting Bracket assembly to the three vehicle fixing holes. Loosely re-fit the vehicle fixings.

Secure the left mounting point to the vehicle using the supplied M6 × 20 mm Hex Head Bolt, M6 Flat Washer and M6 Spring Washer (see [Figure 7](#)).

Ensure the M6 × 20 mm Hex Head Bolt is tightened to 7.5 Nm (66 in-lb) and the vehicle fixings are tightened correctly to the vehicle manufacturers torque specifications.

Figure 7: Secure the Mounting Bracket Assembly to the Vehicle



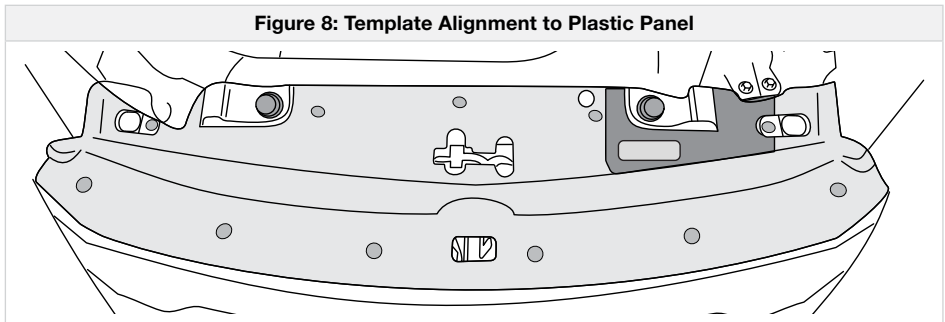
FINALISING INSTALLATION

CUTTING AN INSPECTION HOLE IN THE PLASTIC PANEL

Before fitting the plastic panel back to the vehicle, use the supplied template to create an inspection hole to view the status of your Battery Charger. Following the instructions and marking on the provided template.

1. Align the template to the plastic panel.
2. Mark the hole centres and cut neatly between the holes to create the inspection window of your Battery Charger. REDARC recommend using a centre punch/scribe to mark the holes and a small serrated blade or reciprocating saw for cutting the trim. De-burr rough edges.

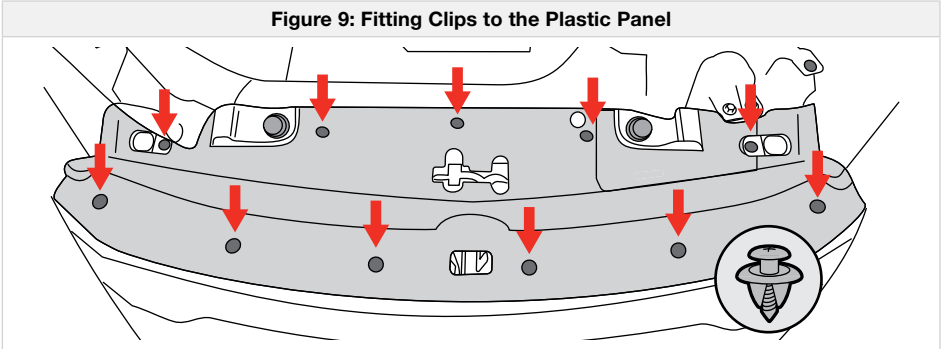
IMPORTANT: The supplied template is at a 1:1 scale. Altering this scale (e.g. photocopying) could result in the wrong size hole being cut in the plastic panel. Measure the printed scale/ ruler guide on the template sheet to confirm that the scale is correct before modifying the plastic panel.



FITTING THE PLASTIC PANEL

Check the inspection hole for alignment with the Battery Charger's front panel and if required, remove the plastic panel from the vehicle to trim excess plastic. Re-fit the plastic panel with the eleven clips removed during cover removal.

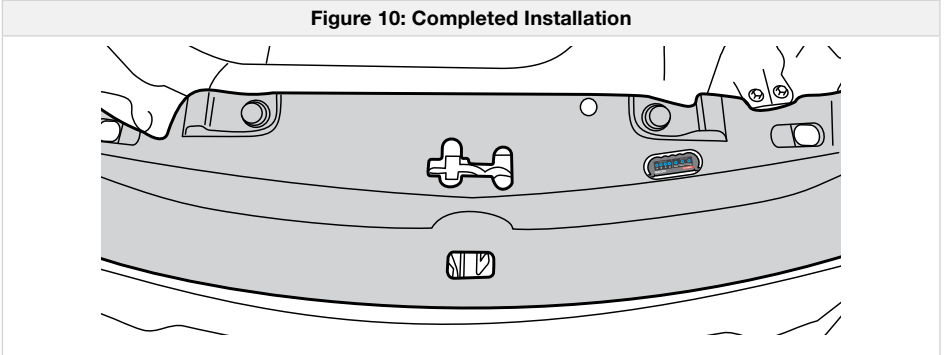
Figure 9: Fitting Clips to the Plastic Panel



COMPLETED INSTALLATION

Once the plastic panel is fitted back to the vehicle, the installation is complete.

Figure 10: Completed Installation



MAINTENANCE

⚠ CAUTION: Ensure the area around the Battery Charger is clean and clear of debris. Any debris not removed will impair the performance of the unit and may cause a fire hazard.

NOTE: Regularly check your vehicle to avoid potential damage to the Battery Charger, your vehicle and batteries (both auxiliary and starter).

WARRANTY

LIMITED WARRANTY

For full warranty terms and conditions, visit the Warranty page of the REDARC website.

www.redarcelectronics.com/warranty

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