

THE POWER OF

**REDARC**<sup>®</sup>

# BCDCMB-106

Mounting Bracket for Selected  
REDARC BCDC Battery Chargers

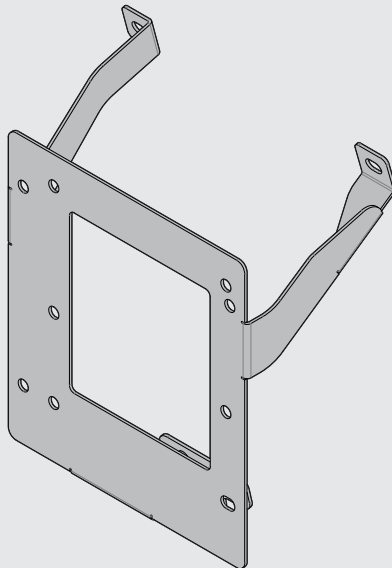
**SUITABLE FOR:**

**ISUZU D-MAX**

[06/2012-2019]

**HOLDEN COLORADO RG**

[10/2015-PRESENT]



## **BCDC Alpha Mounting Bracket**

**Suitable for Isuzu D-Max** (06/2012-2019)  
**and Holden Colorado RG** (10/2015-PRESENT)

The REDARC **BCDCMB-106** 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

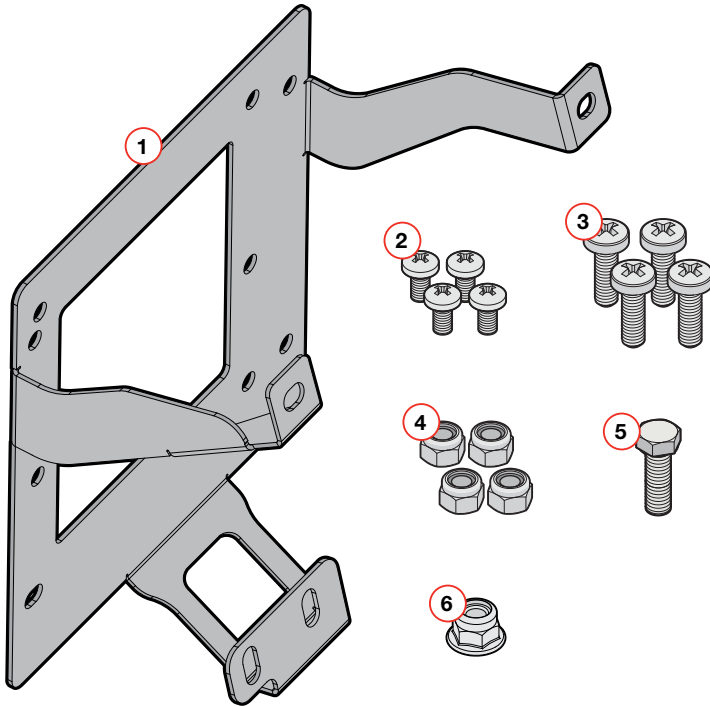
- Use Personal Protective Equipment (PPE). Wear appropriate clothing as well as eye protection when operating power tools.
- Take care when working in and around engine bay to avoid punch points, sharp edges and hot surfaces.



### 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



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**1. Mounting Bracket**  
Supplied with 1 bracket.

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**2. M6 x 12mm Pan Head Bolt**  
Supplied with 4 bolts.

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**3. M6 x 20mm Pan Head Bolt**  
Supplied with 4 bolts.

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**4. M6 Nyloc Locking Nut**  
Supplied with 4 nuts.

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**5. M6 x 20mm Hex Head Bolt**  
Supplied with 1 bolt.

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**6. M6 Flanged Nyloc Locking Nut**  
Supplied with 1 nut.

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## 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 10 mm and 12 mm socket) with extension bars.
- Metric Spanner 10mm, 12 mm and 13 mm.
- Medium (#3) Phillips-Head Screwdriver.
- T20 torx tool (for Holden Colorado RG installations).

# ASSEMBLY

## ASSEMBLING BATTERY CHARGER TO BRACKET

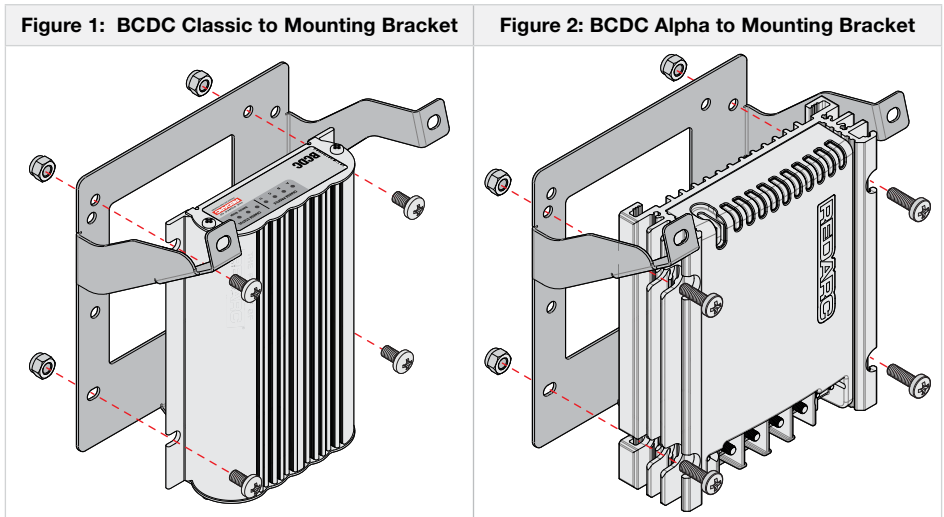
The BCDC Alpha Mounting Bracket must be fitted to the Battery Charger before mounting to the vehicle. Do not install the BCDC Alpha Mounting Bracket to the vehicle first.

### BCDC Classic Battery Charger

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

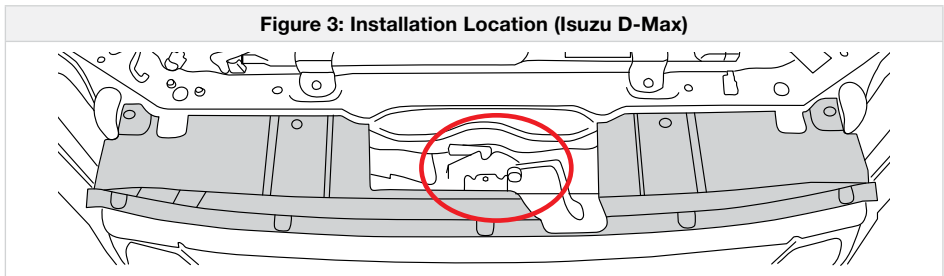
### BCDC Alpha Battery Charger

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



## INSTALLATION LOCATION

The assembled Mounting Bracket and Battery Charger will be installed centrally for both vehicles.



# PRIOR TO INSTALLATION

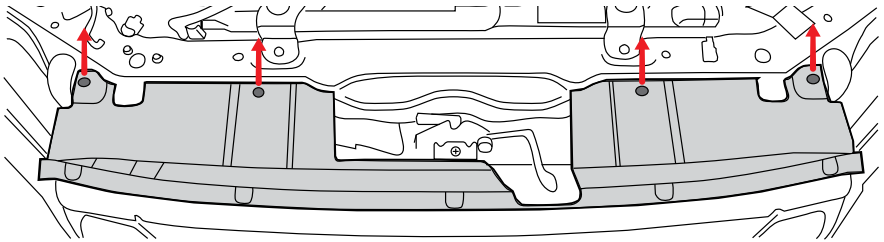
## ISUZU D-MAX – FRONT GRILLE REMOVAL

If installing the Mounting Bracket in a Isuzu D-Max adhere to the following steps and refer to [Figure 4](#) and [Figure 5](#).

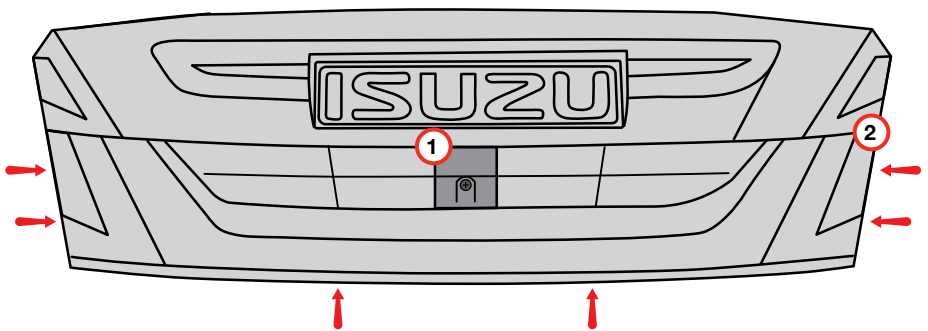
1. Remove the four plastic clips from the top of the cover panel ([Figure 4](#)).
2. Remove the vehicle fixing behind the front grille ([Figure 5 \(1\)](#)).
3. Behind the cover panel, depress the centre of the 6 plastic retainer clips holding the panel to the bumper while gently pulling the panel forward ([Figure 5 \(2\)](#)).
4. Gently remove the cover panel away from the vehicle and retain all clips and vehicle fixing for re-fitment.

Once the grille is removed from the vehicle proceed to 'Installation' on page 8.

**Figure 4: Removing Plastic Clips from Cover Panel**



**Figure 5: Removing Front Grille from Vehicle**

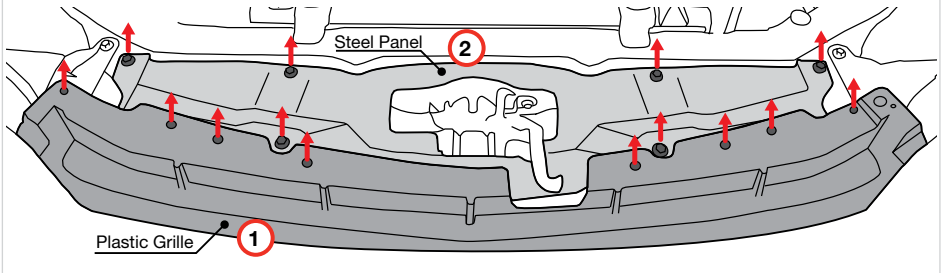


## HOLDEN COLORADO RG – STEEL PANEL REMOVAL

If installing the Mounting Bracket in a Holden Colorado RG adhere to the following steps and refer to [Figure 6](#) and [Figure 7](#).

1. Remove the eight torx vehicle fixings from the plastic grille using a T20 torx tool **(1)**.
2. Remove the six M6 vehicle fixings from the steel panel **(2)**.
3. Retain all vehicle fixings for refitment.

**Figure 6: Removing Torx Vehicle Fixings**



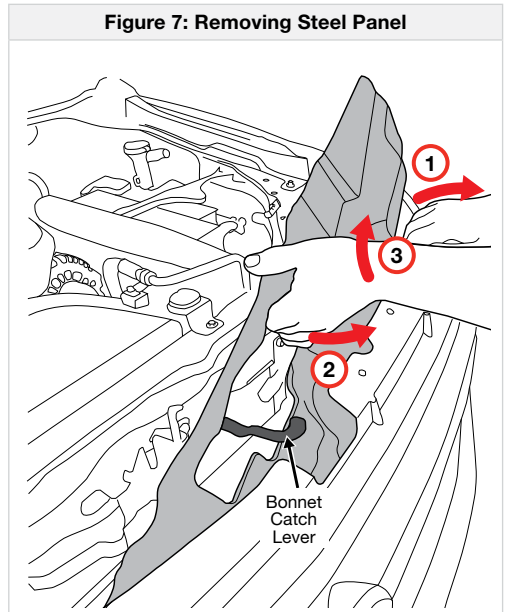
To remove the steel panel adhere to the following step and refer to [Figure 7](#).

1. Gently pull the plastic grille forward to provide more clearance **(1)**.
2. Lift the steel panel forward to clear the bonnet catch lever **(2)**.
3. Lift and remove the steel panel away from the vehicle **(3)**.

**NOTE:** Take care when removing the steel panel to avoid the panel getting caught on the bonnet catch lever during removal.

Once the steel panel is removed from the vehicle proceed to '[Installation](#)' on [page 8](#).

**Figure 7: Removing Steel Panel**



# INSTALLATION

## BATTERY CHARGER WIRING

**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.

Fit the Battery Charger with wiring connected to the Bracket before mounting in the vehicle. It is difficult to access the Battery Charger once the Bracket is installed.

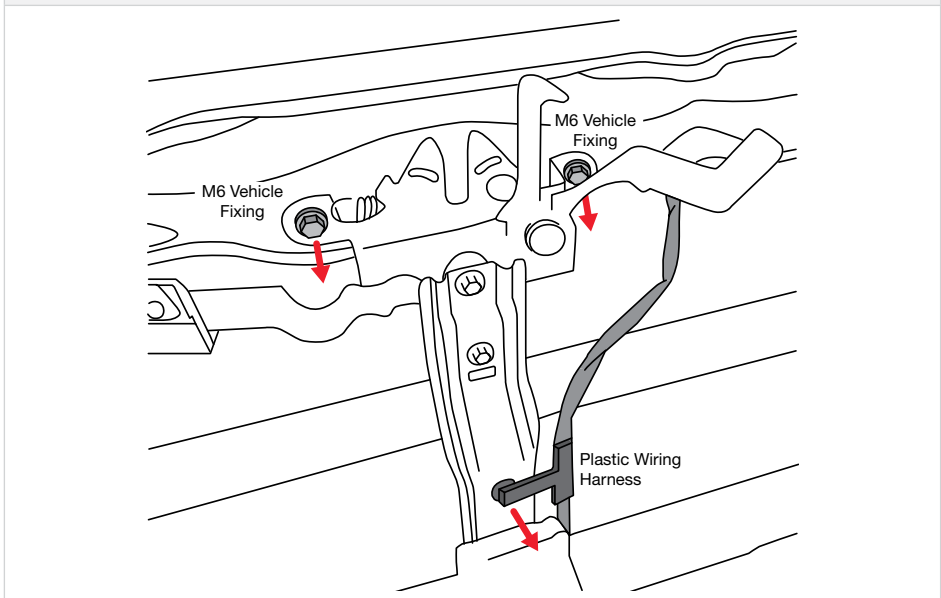
Complete the required wiring in accordance with your Battery Charger's instruction manual.

## REMOVING VEHICLE FIXINGS

**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.

Remove the two M6 vehicle fixings holding the bonnet catch and unclip the plastic wiring harness tab from the catch support upright. Retain the two M6 vehicle fixings for installing the Mounting Bracket assembly.

**Figure 8: Removing Vehicle Fixings**



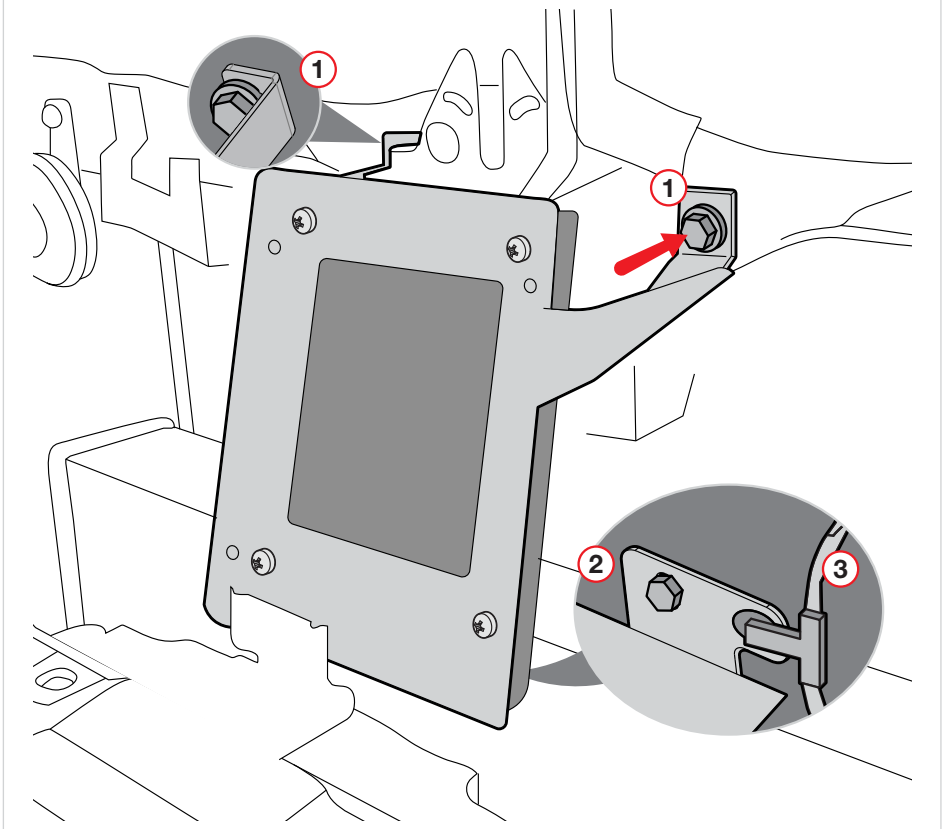


## FITTING THE MOUNTING BRACKET ASSEMBLY TO VEHICLE

To secure the Mounting Bracket assembly to the vehicle adhere to the following steps and refer to [Figure 9](#).

1. Align the Mounting Bracket assembly with the bonnet catch mounting holes. Secure by refitting the two M6 vehicle fixings (1).
2. Using the supplied M6 Hex Head Bolt and Nyloc Locking Nut, mount the lower mounting point on the Mounting Bracket to the hole on the catch support where the wiring harness was previously connected (2).
3. Re-attach the plastic wiring harness removed during installation to additional mounting hole on the Mounting Bracket (3).
4. Tighten the M6 Bolt to 7.5Nm (5.5 ft-lbf) and tighten the M6 vehicle fixings to the vehicle manufacturers torque specifications.

**Figure 9: Secure the Mounting Bracket Assembly to the Vehicle**



# FINALISING INSTALLATION

## ISUZU D-MAX – FITTING THE FRONT GRILLE

To secure the front grille to the bumper, sit the front grille in its original location and re-install the six lower plastic retainer clips by pushing them back in place.

Re-fit the vehicle fixing to behind the front grille and the four plastic clips removed from the cover panel during the front grille removal, these clips are secured when the centres are flush with the outer edge of the clip.

## HOLDEN COLORADO RG – FITTING THE STEEL PANEL

Gently insert the steel panel back into the vehicle and secure by re-fitting six M6 vehicle fixings.

**NOTE:** Take care when inserting the steel panel to avoid the panel getting caught on the bonnet catch lever during refitment.

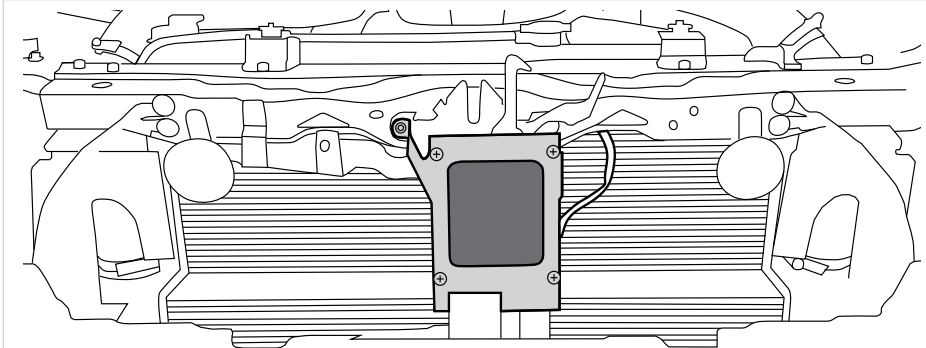
Re-install the eight torx vehicle fixings removed during the steel panel removal to secure the plastic grille top in place.

Ensure vehicle fixings are tightened to vehicle manufacturers torque specifications.

## COMPLETED INSTALLATION

Once the front grille/steel panel is fitted back to the vehicle, the installation is complete.

Figure 10: Completed Installation (Isuzu D-Max)



## 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 start).

# WARRANTY

## LIMITED WARRANTY

For full warranty terms and conditions, visit the Warranty page of the REDARC website. Refer to the web address and contact details applicable to your region.

[www.redarcelectronics.com/warranty](http://www.redarcelectronics.com/warranty)

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