

**SETUP GUIDE
PORTABLE BRAKE CONTROLLER**

PORTABLE ELECTRIC BRAKE



Compatible Tekonsha Series Brake Controllers



Primus / Guardian iQ



P3 Prodigy

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Connecting Brake Controller to the Harness

IMPORTANT NOTE

Prior to installing Electric brakes, please connect the vehicle and trailer to ensure that all lights are in working order

Connect electric brake controller (Figure 1) to the harness (Figure 2)

Figure 1: Electric Brake Controller

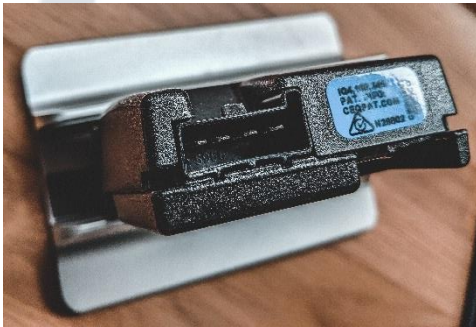


Figure 2: Harness



Connecting 12V Plug to Vehicle's Power Outlet

IMPORTANT NOTE

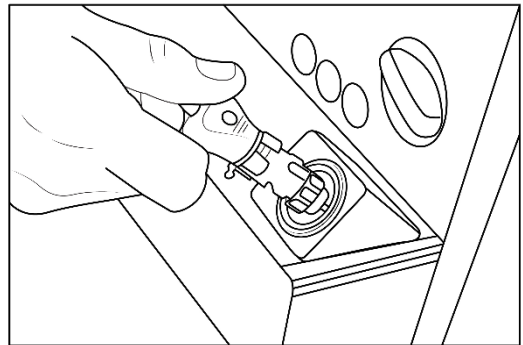
Please do not share this power outlet with any other device.

MAX ALLOWABLE POWER SETTING		
Cig Lighter Socket Rating	Single Axle	Tandem Axle
15A / 180w	MAX	MAX
10A / 120w	MAX	8.0

Figure 3: 12V plug



Securely connect 12V plug into socket



0.3

Connecting Plug Wiring

Extend cable to the rear of the vehicle

Connect 7 pin plug (Figure 4) connector to the vehicle.

Connect 7 pin socket (Figure 5) connector to the trailer.

Figure 4: Vehicle Plug

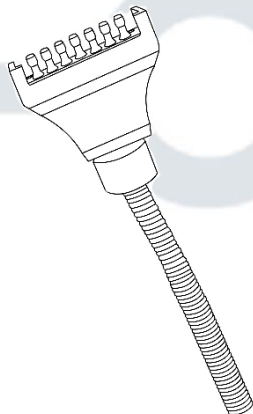
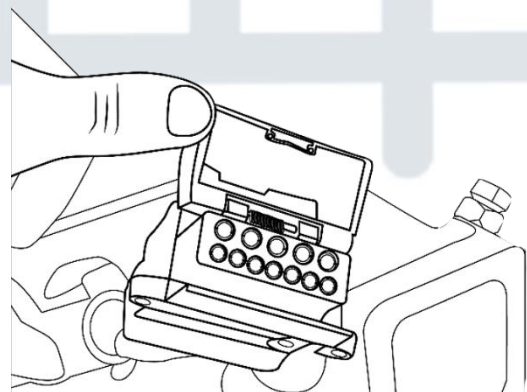


Figure 5: Trailer socket connector



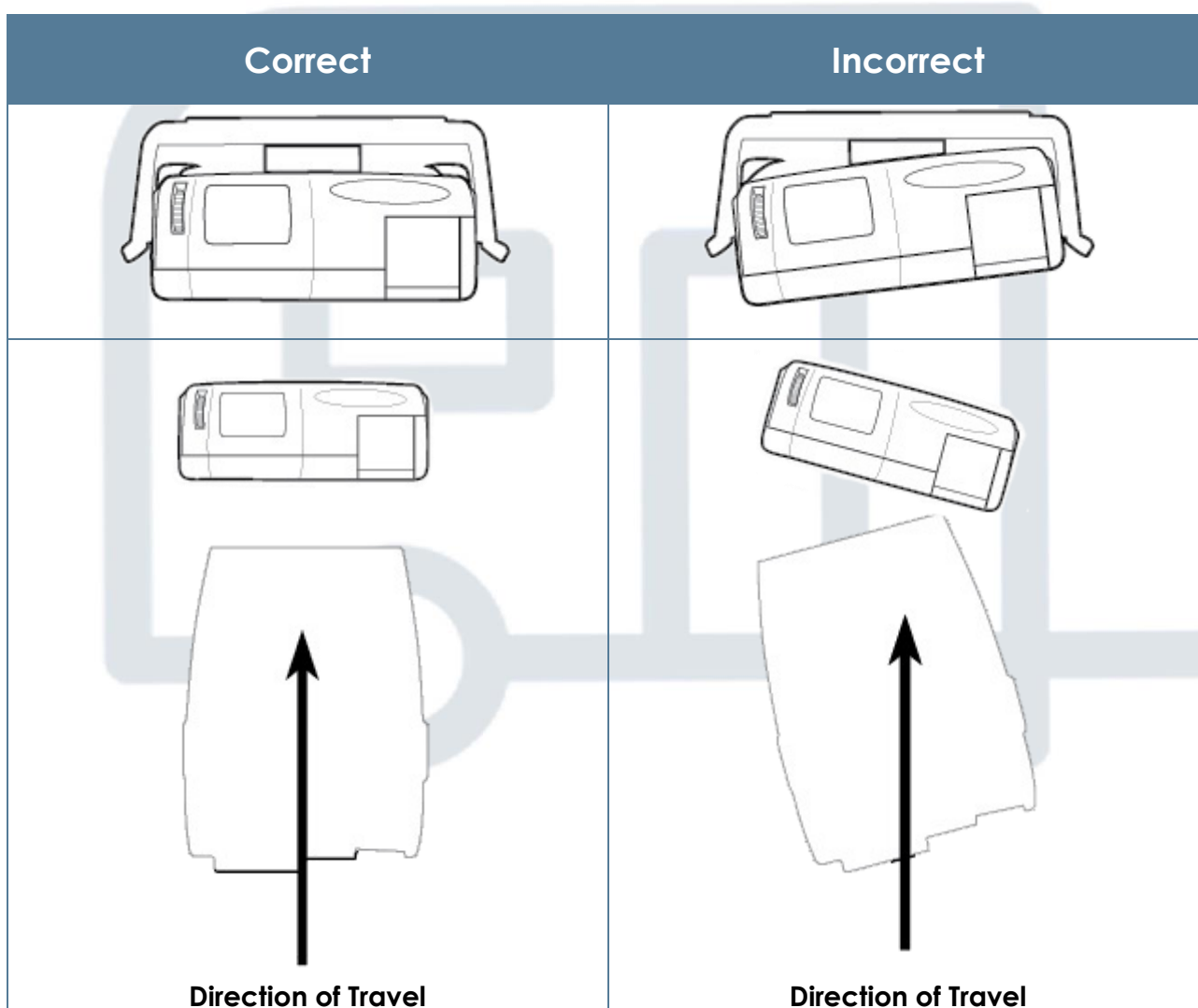
Turn on ignition to check power

The Electric Brake connector should display "c".

Placement of Electric Brake Controller in Vehicle

IMPORTANT NOTE

**The front of the Brake Controller must be horizontal.
The Brake Controller must be parallel to the direction of travel.
Use the Velcro provided to secure unit on the car dashboard.**



NOTE: AUTOMATIC LEVELLING OF THE SENSOR

The Brake Controller will automatically acquire the proportional level setting. It will also automatically adjust as you travel up or down hills.

Plug and Socket Wiring Information

7 Pin Flat Plug & Socket

7 Pin Flat Plug & Socket

PIN No.	CIRCUIT	COLOUR
1	Left-hand turn	Yellow
2	Reversing signal	Black
3	Earth return	White
4	Right-hand turn	Green
5	Service brakes	Blue
6	Stop lamps	Red
7	Rear lamps, clearance & side marker lamps	Brown



7 Pin Plug



7 Pin Socket



12 Pin Flat Plug & Socket

Pin No.	Circuit	Colour
1	Left-Hand Turn	Yellow
2	Reversing Signal	Black
3	Earth Return	White
4	Right-Hand Turn	Green
5	Service Brakes	Blue
6	Stop Lamps	Red
7	Rear Lamps, Clearance & Side Marker Lamps	Brown
8	Battery Charger/Winch	Orange
9	Auxiliaries/Battery Lead	Pink
10	Earth Return	White
11	Rear Fog Lamp	Grey
12	Auxiliaries	Violet



12 Pin Plug



12 Pin Socket



7 Pin Round Plug & Socket

Pin No.	Circuit	Colour
1	Left-Hand Turn	Yellow
2	Reversing Signal	Black
3	Earth Return	White
4	Right-Hand Turn	Green
5	Service Brakes	Blue
6	Stop Lamps	Red
7	Rear Lamps, Clearance & Side Marker Lamps	Brown

Cable Entry View



7 Pin Plug

7 Pin Socket



7 Pin Round Large



7 Pin Round Small

Adjusting the Power to the Trailer Brakes

Once the Brake Controller has been connected and placed correctly, it is necessary to set the power needed to stop the trailer during braking.

1. Connect trailer to tow vehicle
2. With engine running, fully depress manual slide knob and set power knob to read 6.0
3. Drive tow vehicle and trailer on a dry level paved surface at 40kmph (25mph) and fully depress manual slide knob.

IMPORTANT NOTE

**If trailer brakes lock up, turn power down using power knob.
If braking was not sufficient, turn power up using power knob.**

4. Repeat step (3) until power has been set to a point just below wheel lock up or at a sufficient force as to achieve maximum braking power.
 5. Using the brake pedal, make a few low speed stops to check the power setting. Trailer braking is initiated and terminated via the stoplight switch. When the brake pedal is released, trailer braking will cease.
- Unit not to be used with trailers that have brakes on 3 or more axles.

WARNINGS

- **Ensure that your trailer brakes are installed and operating correctly.**
- **Improperly installed or faulty trailer brakes can cause erratic vehicle or trailer behaviour with potential to cause a road accident.**
- **Always check brakes at low speed, each time a trailer is connected to your vehicle.**
- **Due to being a portable device operating from a 12V Cigarette Lighter socket, the unit is limited to braking either a single axle or tandem axle trailer only.**
- **It is not suitable to operate brakes on a triple axle trailer, unless the unit is hard wired as per the supplied installation instructions.**



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