IDC25/45 Fault Finding Assistant

General description of fault experienced

Voltage (Red wire NEAR charger)

ENGINE OFF .....VDC

ENGINE RUNNING

(after 2 mins) .....VDC

Monitor voltage for 3 minutes and note changes

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Use IDC HEAVY BLACK WIRE as a grounding point, not chassis

Voltage at Starter Battery POSITIVE terminal

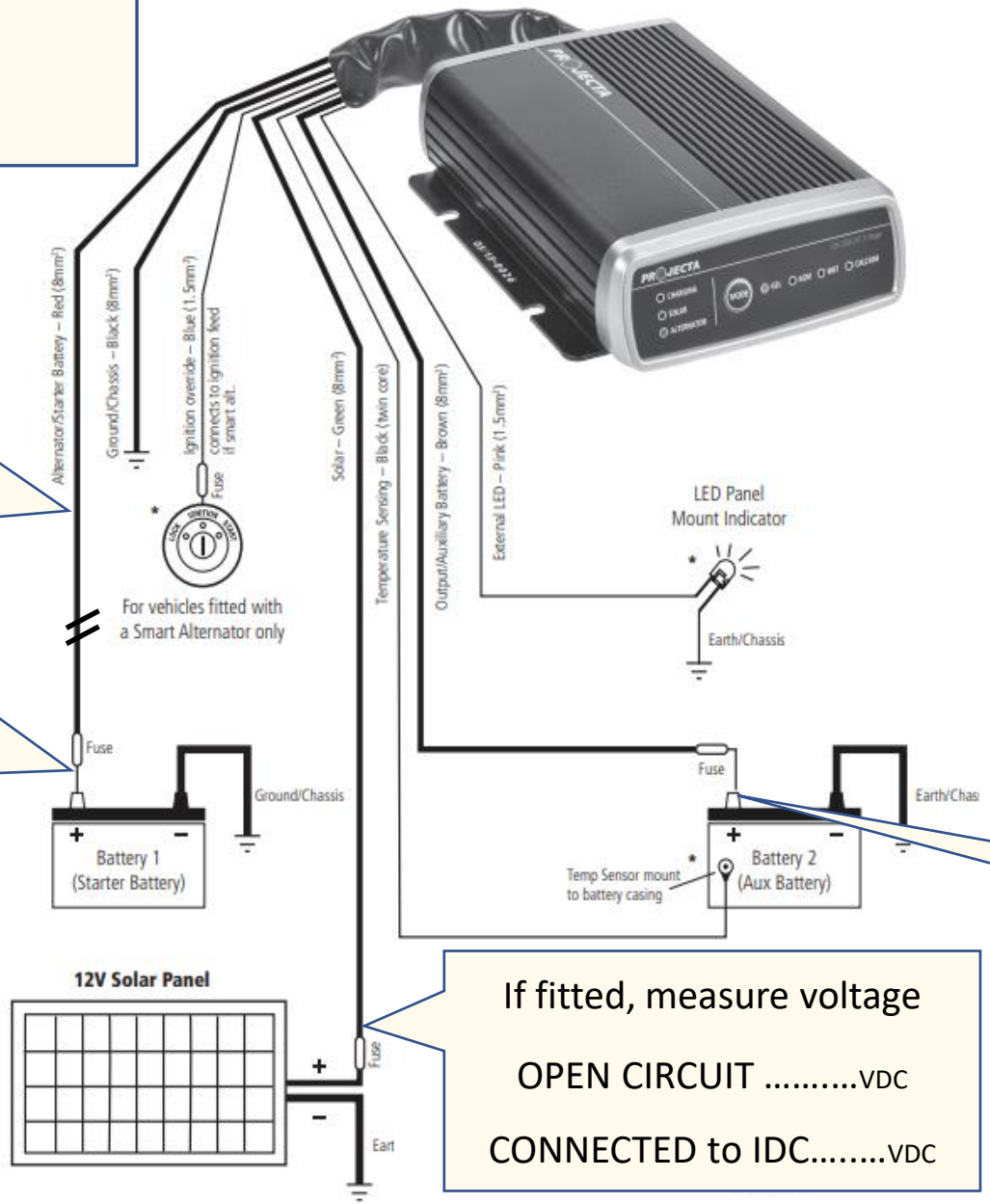
ENGINE OFF ..... VDC

ENGINE RUNNING

(after 2 mins) .....VDC

Use IDC HEAVY BLACK WIRE as a grounding point, not chassis

When grounding through the chassis, always ensure painted surfaces are cleaned back to bare metal and use star washers or spring washers to ensure solid grounding.



If fitted, measure voltage

OPEN CIRCUIT .....VDC

CONNECTED to IDC.....VDC

Circle appropriate condition(s) below

Fault LED Indicators

Charging LED	Solar LED	Alterator LED	Battery Type LED	Fault	Remedy
Solid RED				The unit is faulty	Check if there is any output current from the unit
Amber Flashing				Bulking charging time out	Auxiliary battery may be faulty or heavy load is connected to the battery for long time
Solid RED			BLUE Flashing	Output battery is reversely Connected	Check output cable connection
RED Flashing			BLUE Flashing	Overvoltage is detected at output	Check auxiliary battery voltage
Solid AMBER			BLUE Flashing	Output open circuit or dead Battery	Check auxiliary battery voltage & cable connections
	Solid RED			Solar Input is reversly connected	Check Solar input connection
	RED Flashing			Overvoltage is detected at Solar Input	Check solar panel open circuit voltage
		Solid RED		Alternator Input is reversly connected	Check Alternator input connection
		RED Flashing		Overvoltage is detected at Alterantor	Check vehicle battery voltage

Voltage (AUX Battery POSITIVE terminal)

ENGINE OFF .....VDC

ENGINE RUNNING .....VDC

Use IDC HEAVY BLACK WIRE as a grounding point, not chassis