KINCROME®
PROFESSIONAL QUALITY TOOLS

BOOSTER CABLES 400 AMP INTELLI-CHECK II

12/24V

SURGE PROTECTED

BATTERY CONDITION CHECK

REVERSE POLARITY PROTECTED

CHARGE CHECK FEATURE

3M CABLE LENGTH

SUITABLE FOR 4-8 CYLINDER PETROL ENGINES

KP1453
ED1 /July 15
Type 2

KINCROME

400 AMP BOOSTER CABLES

Table of Contents

Know Your Product 2
BOOSTER CABLES Safety Instructions ... 3
BOOSTER CABLES Operation 3-6
BOOSTER CABLES Trouble Shooting 6
Warranty..... 6

Intelli-Check II Module

Know Your Product

1. Intelli-Check II Module
2. Surge Protection Box
3. Battery Voltage Display
4. Reverse Polarity LED Indicator
5. Battery Volts LED Indicator
6. + Positive Battery Clamp (RED)
7. - Negative Battery Clamp (BLACK)
8. - Negative Battery Clamp (BLACK)
9. + Positive Battery Clamp (RED)
10. Booster Cable Leads

Part No: KP1453
Capacity: 400 Amp
Suitable For Use On: 4 to 8 Cylinder Petrol Vehicles
Cable Specifications: 16mm² (0.31*212)- 9.5mmOD
Cable Length: 3 Metre
Suitable Voltages: 12/24 Volt
Cable Type: CCA (Copper Clad Aluminium)

Cable Clamps: Heavy Duty Fully Insulated
Protection: Surge Protected
Reverse Polarity Indicator
Reverse Polarity Alarm
Additional Features: Alternator Charge Check
Battery Condition Check
Battery Voltage Display
Net Weight: 1.4Kgs

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400 AMP BOOSTER CABLES

GENERAL BOOSTER CABLES SAFETY WARNINGS

WARNING! Read all safety warnings and all instructions carefully prior to connecting or using the booster cables.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

1. Explosive gasses may be present within your vehicles engine bay. Open your vehicles bonnet and leave open for a few moments prior to jump starting your vehicle.
2. When jump-starting a vehicle, it is recommended to always wear proper eye protection and never lean over the battery.
3. Inspect both batteries before connecting booster cables. Do not jump-start a damaged battery.
4. Be sure vent caps are tight and do not appear to be distorted.
5. Ensure that the vehicles are not touching and both ignition switches are turned to the OFF position.
6. Refer to the vehicle owners' manual for other specific information regarding jump starting your vehicle.
7. Take great care not to create sparks when jump starting your vehicle.
8. Extinguish all cigarettes and any naked flames when jump starting your vehicle.
9. Avoid the battery clamps coming into contact with each other or the vehicles body.
10. Ensure that all jewellery is removed from your hands, wrist and neck before working near your battery or jump starting your vehicle.
11. Ensure that your hands and clothing, (particularly belts, ties and scarves) are kept clear from the vehicles fan blades and any other moving parts or hot engine parts.
12. If the vehicle is reluctant to start, then seek advise from an automotive expert for potential causes.
13. After use store the booster cables in the bag or supplied BMC to prevent damage to the cables or booster cable components.

LABELS ON TOOL

The following symbols are shown on the tool:

Read the instruction manual before use

WARNING

USER INSTRUCTIONS

KP1453- 400 AMP BOOSTER CABLES(Type 2)

Remove all of the Booster Cable components from the packaging and dispose of all packaging materials thoughtfully and as per your local council guidelines.

WARNING- PRIOR TO USE OF THE BOOSTER CABLES.

1. Inspect Booster Cables for damage before use.
2. Establish that both vehicles have the same polarity, i.e. both vehicles have either positive earth or negative earth. **(All vehicles manufactured after 1980 are negative earth).**
3. Switch off all electrical equipment on both vehicles including the ignition.
4. Ensure that the hand brake is engaged. Select neutral gear (or park if the vehicle has an automatic transmission).
5. Ensure that both vehicles are not touching.

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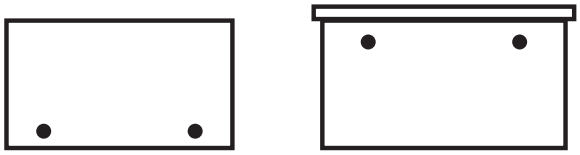
400 AMP BOOSTER CABLES

BOOSTER CABLE SUITABILITY

The Kincrome booster cables are suitable for use on both styles of battery types.



TOP POST TERMINALS **SIDE POST TERMINALS**

OPERATION OF THE BOOSTER CABLES

Connecting of the Booster Cables to Your Vehicle.

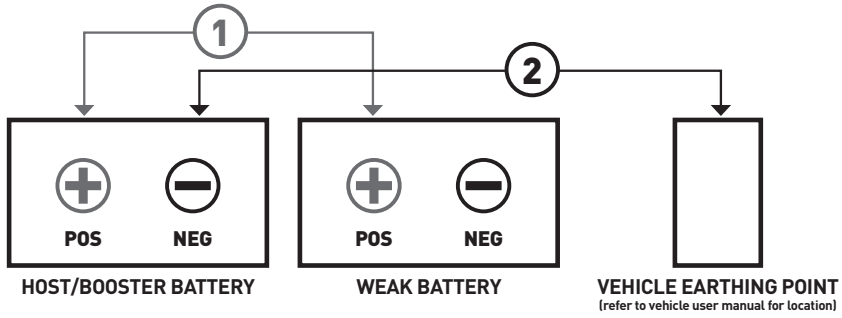
1. Starting with the battery clamps located at the oposite end of the surge protection **(2)** end of the cables connect the (+) positive battery clamp (RED) **(9)** of the booster cables to the (+) positive battery terminal of your host/booster battery.

2.Connect the 2nd(+) positive battery clamp (RED) **(6)** of the booster cables to the (+) positive battery terminal of your vehicle with the dead/flat battery.

3. Connect the (-) negative battery clamp (BLACK) **(8)** of the booster cables to the (-) negative battery terminal of your host/booster battery.

4.Make the final connection of the booster cables by connecting the (-) negative battery clamp (BLACK) **(7)** of the booster cables to a substantial, unpainted point of the vehicles chassis or engine on the vehicle with the dead/flat battery.

Note: Ensure that the connection point is away from the battery, carburettor, fuel lines or brake lines to minimize any fire risk that could be caused by sparking.



Starting your Vehicle with the Booster Cables Connected.

1. Ensure that the booster cable leads are well clear of all moving parts and heat sources on both vehicles.

2. Start the engine of your "Good or Booster" host vehicle and allow to run for approx. one minute.

3. Attempt to start the "Dead or Flat Battery " vehicle and once started allow to run for a minimum one minute before removing the booster cables.

Note: Do Not allow the booster cables to become hot. If the booster cables become hot during use switch off both vehicles and allow the booster cables to cool down before attempting to restart the vehicle.

Disconnecting the Booster Cables from your Vehicle.

1. Turn off the engine of your "Good or Booster" vehicle.

2. Remove the booster cables in reverse order to that described in "Connecting the booster cables to you vehicle" points 1-4 on page 4 of this instruction manual.

3. Take great care to keep clear of all moving parts and hot areas of the vehicles engine bay when disconnecting and removing the booster cables.

400 AMP BOOSTER CABLES

UNDERSTANDING YOUR BOOSTER CABLES COMPONENTS

The Kincrome Booster Cables are equipped with additional features that will assist you when using the product.

Battery Condition Indicator ***(12V & 24V DC Indications noted below are a guide only)***

The battery condition voltage indicator **(3)** illuminates the vehicles battery voltage within the battery voltage display **(3)** when the vehicles engine is not running .

Battery Voltage Indicating 10.5Volts:12V / 22Volts:24V or Lower - indicates that the battery is very low in charge, could be damaged & may not be capable of starting your vehicle.

Battery Voltage Indicating around 11.5Volts:12V / 23.5Volts:24V - indicates that the battery requires recharging or could be be damaged. Battery Voltage Indicating around 12.3+Volts:12V / 24.3Volts:24V - indicates that the battery should be fully charged and in good condition.

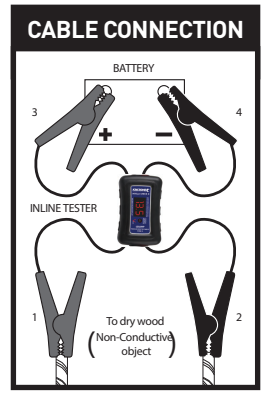
Testing the Battery Condition of Your Vehicle

1. Insulate both the + Positive Battery Clamp (RED) **(6)** and - Negative Battery Clamp (BLACK) **(7)** to a piece of non conductive material such as a piece of timber **(fig 1)**.

2. Then connect + Positive Battery Clamp (RED) **(9)** to the + positive terminal of your vehicle battery, then connect the - Negative Battery Clamp (BLACK) **(8)** to the - negative terminal of your vehicle battery **(fig 1)**.

3. Once the booster cables are connected to your battery the battery voltage display **(3)** will display the batteries voltage and can be interpreted as indicated above in "Battery Condition LED Indicator".

4. Once you have confirmed the battery condition remove the booster cables.



(fig 1)

Alternator Charge Check ***(12V & 24V DC Indications noted below are a guide only)***

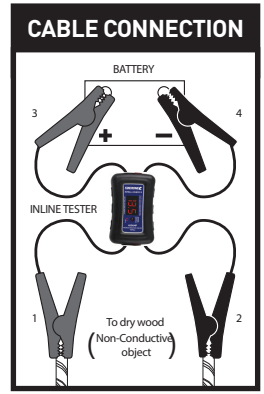
The vehicles alternator function can be checked to ensure it is charging the vehicles battery at the correct rate. With the booster cables connected to the vehicle and the engine running the battery voltage display **(3)** will indicate the charging voltage of the alternator. In most cases the vehicles alternator should be functioning correctly if the battery voltage display is indicating arround 13.7-14+Volts:12V or 24.7-25+Volts:24V. Check your vehicles specifications for the correct recharge voltage requirements as charging voltages above 14Volts:12V or 25Volts:24V could indicate a concern with your vehicles alternator. This should be checked/verified by your locat auto electrician or vehicle service provider.

Testing the Alternator Function of your Vehicle

1. Insulate both the + Positive Battery Clamp (RED) **(6)** and - Negative Battery Clamp (BLACK) **(7)** to a piece of non conductive material such as a piece of timber **(fig 2)**.

2. Then connect + Positive Battery Clamp (RED) **(9)** to the + positive terminal of your vehicle battery, then connect the - Negative Battery Clamp (BLACK) **(8)** to the - negative terminal of your vehicle battery **(fig 2)**.

3. Start your vehicle and see if the vehicles alternator is functioning correclty by inspecting the vehicles charging voltage shown on the battery voltage display **(3)**, then review the results as indicated above in "Alternator Charge Check".



(fig 2)

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400 AMP BOOSTER CABLES

UNDERSTANDING YOUR BOOSTER CABLES COMPONENTS (Cont.)

Reverse Polarity LED Indicator (4)

The reverse polarity LED indicator **(4)** illuminates RED and also omits an auditable tone when you have incorrectly connected the booster cables battery connection clamps to your vehicles battery.

Reverse Polarity LED Indicator Illuminated RED & Auditable Tone.

1. Connect + Positive Battery Clamp (RED) **(9)** to the + positive terminal of your host/booster vehicle battery, then connect the - Negative Battery Clamp (BLACK) **(8)** to the - negative terminal of your vehicle battery.

2. Once you have connected your booster cables to your vehicle check to see if the reverse polarity LED indicator **(4)** is illuminated RED & and auditable tone is heard. If the LED is illuminated RED and you can hear an auditable tone you may have mistakenly connected the incorrect battery clamp to the wrong battery terminal of your vehicle.

3. Disconnect the booster cables from the vehicles battery and reconnect as indicated above in point 1.

4. If the reverse polarity LED indicator **(4)** is not illuminated and no auditable tone can be heard then you have connected the booster cables correctly to your host vehicle and you can now continue to connect the battery clamps **(6 & 7)** to the vehicle with a flat battery.

TROUBLE SHOOTING

PROBLEM	CAUSES	SOLUTIONS
"Dead or Flat " battery vehicle engine will not turn over.	Insufficient / bad booster cable clamp connection.	**A.** Reconnect the booster cables as indicated in "Connecting the booster cables to your vehicle" **B.** Check the battery terminals are corrosion free or clean and reconnect the booster cables to both vehicles.
	Booster cables connected incorrectly.	Check if the reverse polarity LED **(4)** is illuminated RED & an auditable tone can be heard. If illuminated RED & Auditable tone can be heard, disconnect and reconnect the booster cables to your vehicle as indicated in "connecting the booster cables to your vehicle".
Booster cables getting too hot.	Incorrect booster cables being used.	Check the vehicles battery AMP rating and change the booster cables to the correct AMP type/size.
	Other areas of the vehicles management system may not be working correctly stopping the vehicle from starting. This can cause excessive cranking of the vehicles engine and overload on the booster cables.	Discontinue trying to jump start your vehicle and seek advise from an automotive expert before trying to jump start the vehicle again.

IMPORTANT! If the booster cables still fail to operate correctly after you have carried out the above operations, or in the event of anomalies other than those described above, take the booster cables to an authorised service centre or place of purchase showing proof of purchase for assistance.

12 MONTH WARRANTY

Warranty given by Kincrome Australia Pty Ltd of 3 Lakeview Drive, Caribbean Park, Scoresby, Victoria (Tel 1300 657 528). The applicable warranty period (12 months) commences on the date that the product is purchased. If this product has materials or workmanship defects (other than defects caused by abnormal or non warranted use) you can, at your cost, send the product to place of purchase, an authorised Kincrome service agent or one of Kincromes addresses for repair or replacement. Your rights under this warranty are in addition to any other rights you have under the Australian Consumer Law or other applicable laws. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. For further details please visit www.kincrome.com.au or call us. Due to minor changes in design or manufacture, the product you purchase may sometimes differ from the one shown on the packaging.