

IMPORTANT FITTING INSTRUCTIONS

Magnecor Electroports Ignition Cables (unlike conventional resistive carbon conductor ignition cables) use Metallic Inductance Suppressed Conductors and are specifically designed to conduct the total output of the ignition coil (which, with some racing ignition systems can be considerable) and provide RFI (radio frequency interference) and EMI (electro magnetic interference) suppression. Therefore, to get the best results, care should be taken when fitting Magnecor Ignition Cables.

The most important thing to remember is that all sorts of problems can occur if the metal terminals inside the cables' protective boots are not fully engaged with spark plug tops and distributor and ignition coil connectors.

If you are replacing burnt out resistive carbon conductor ignition cables, it would be worthwhile to check spark plugs, rotor and distributor cap for defects such as cracks and excessively burnt metal arcing points, as well as for a badly worn or broken carbon contact (rubs on center of rotor) inside cap. Also, check coil tower for cracks and corrosion.

FITTING CABLE SPARK PLUG ENDS:

To properly fit a spark plug boot/terminal assembly (including those with plastic extensions) onto a spark plug, take care to ensure that the assembly is lined up to follow the angle at which the spark plug is fitted into the cylinder head. Push assembly over spark plug until a click is felt (or heard) as terminal engages the spark plug top. Remember, the metal terminal's mouth could be widened if forced over spark plug top at too much of a wrong angle.

On some engines it is almost physically impossible to comfortably get both your hand and the spark plug boot/terminal assembly near the spark plug. The best approach in this situation is to get the spark plug boot/terminal assembly onto the spark plug as best you can and to ensure the metal terminal is engaged over the spark plug top - push and gently rock on the top half of the rubber boot (or top cover on plastic connector). There will be a loose spongy feel, and boot or connector will lift off easily if terminal is not engaging, whereas there will be a more solid feel, and more effort will be needed to pull off boot or connector when terminal is engaging the spark plug top.

FITTING DISTRIBUTOR AND COIL ENDS:

Carefully fit distributor and coil boot/terminal assemblies into (or over) the distributor cap and coil connectors. Make sure that the metal terminals inside the boots are in full contact (engaged) with the metal connecting surfaces of both the distributor and coil connectors.

NOTE: In some instances, due to the 'glove like' fit of the boot, an air pocket can be created when pushing the boot onto the tower. To release the air, simply lift the bottom edge of the boot up before the boot is pushed fully home.

Some aftermarket push-in style distributor caps have brass inserts without a top taper (taper allows ease of fitment of terminal), therefore care should be taken to ensure that terminal (particularly the 90° style) is pushed into cap insert straight and centered. If a resistance is felt (edge of terminal is hung up against un-tapered lip of insert), do not

apply too much force to terminal as it could be distorted and end up being too loose inside the insert. If necessary, the terminal can be bent back into shape by expanding the section that pushes into the cap insert to its original size.

A worthwhile practice is to again check each wire boot/terminal assembly for proper engagement after the vehicle has run a few miles, as the vibration of the vehicle traveling will quickly loosen up any boot/terminal assembly that's not properly engaged.

REMOVING CABLES FROM SPARK PLUGS:

Important: Some spark plug tops expand inside the terminals when hot, and terminals will lock onto those tops, making removal difficult. If the boots or connectors appear to be locked onto the spark plugs, let engine COOL down to avoid damaging the wires.

Short flexible boots: With fingers placed on boot where it fits over spark plug (inside), slightly twist boot to break seal between boot and spark plug's porcelain insulator. Try to pull boot up and off spark plug at the same angle the spark plug is fitted into the engine.

Long Extension type spark plug connectors: Avoid twisting the connector. Pull connector straight up, pulling it to one side could cause the heavy duty terminal to get hooked onto some soft metal spark plug tops, and because extra force will be needed to drag connector off plug top, in extreme cases the ignition cable could be wrenched out of the terminal if enough force is applied, particularly with a multi-part (with plastic tube) connector, as the floating terminal needed for some connectors could be pulled out of position inside the plastic tube, and/or the bottom seal could be jolted off.

Although Magnecor Electroports Ignition Cables are able to withstand a service heat of 500°F (7mm - 400°F), their jackets and boots could lose their effectiveness if allowed to rest for prolonged periods against headers and turbocharger plumbing that reach temperatures in excess of 1,200°F. We recommend that cables are routed so that a gap of at least 20mm is left between the cables and any 1,200°F heat source. Severe heat destruction of spark plug boots too close to headers can rarely be cured by shielding boots. Header heat wraps and coatings etc. can be very effective.

NOTE:

It is possible that the boot/terminal assemblies fitted to the wires enclosed do not resemble the original or replacement ignition wires you are about to replace. The reason is that we have found (after 20 years experience) that the design and construction used for some original and replacement ignition wires, as well as some original engine designs, cause wire assemblies to become inherently unreliable (the reason you are replacing them), and wherever possible we try not to imitate a design that we know will inevitably fail - particularly with our name on it!

EVERY PART OF ANY MAGNECOR IGNITION CABLE ASSEMBLY IS AVAILABLE AS A SEPARATE SPARE PART

LIMITED 10 YEAR WARRANTY

Magnecor Ignition cables will be replaced or repaired free of charge if the product should fail for any reason other than abuse, accident, negligence, improper installation, alteration or failure attributed to original engine design, engine maintenance (or lack thereof) or engine modification. Warranty applies only to the original purchaser and is limited to replacement or repair of the suspected failed cable and does not include labour charges for removal or replacement. Cable should be returned together with proof of purchase to any authorized Magnecor stockist or Magnecor itself for authorization for replacement or repair.

Magnecor Europe Limited, Unit 12, Jubilee Business Park, Snarestone Road, Appleby Magna, Swadlincote, Derbyshire. DE12 7AJ. ENGLAND.
Tel: +44 (0) 870 444 8644 Fax: +44 (0) 870 444 6957



TO HELP US IMPROVE OUR PRODUCT WE WOULD LIKE TO KNOW IF YOU ARE NOT HAPPY WITH SOME ASPECT OF THE LEAD SET YOU HAVE PURCHASED, SUCH AS INCORRECT LEAD LENGTHS, FITTINGS ETC.

IF THERE IS A PROBLEM IT IS BEST TO NOT FIT THEM, CONTACT US AND WE WILL SORT AND RECTIFY THE PROBLEM.

PLEASE BE PREPARED WITH THE PART NO. OF THE SET AND HAVE ALL THE INFORMATION ABOUT YOUR VEHICLE ON HAND.

Contact us by Telephone on 0870 444 86444

International: +44 870 444 86444

Or

e-mail: info@magnecor.co.uk

OF COURSE YOU CAN ALSO TELL US IF YOU ARE REALLY HAPPY WITH OUR PRODUCT



Thank you for using MagneCor Ignition Cables