



INSTALLATION MANUAL

SuperMax Wire Ignition Leads

WARNING: PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING. PROFLOW WILL NOT BE RESPONSIBLE FOR ANY DAMAGE AS A RESULT OF THE INCORRECT INSTALLATION OF THIS PRODUCT. IT IS RECOMMENDED THAT A QUALIFIED AUTOMOTIVE TECHNICIAN PERFORMS THIS INSTALLATION.

TYPICAL INSTALLATION

1. Start by pre-fitting each lead to all cylinder spark plugs and route the leads as you intend to run them. If you are using lead separators or bracketry, it's best to have everything installed to mimic exact lengths required. If it's a brand new engine and you have not yet run it, static time it to make sure it's where it needs to be.
2. Mark all leads to required lengths, keeping in mind you will want some extra allowance for cutting back and for timing adjustments.
3. Lubricate boots internally, as well as the ignition lead ends, and push through about 2" which will give you enough room to cut back and terminate. If you are using HEI style boots and terminals, it is possible to fit and crimp the terminal and push it through the boot already assembled.



4. Carefully cut lead jacket to expose approx. 5/8" or 16 mm of core. Many crimping tools have a built in wire stripper, but be very careful using these as they can sometimes mark the spiral core conductor.

Alternatively, you can bend the lead between your thumb and forefinger and gently start cutting at the lead, creeping up in a circular motion until you get to the fibreglass braid (*Figure 1*). Continue cutting through the braid, you will notice that as you cut into the inner white core the silicone jacket will run away from your blade so you will not risk scaring the conductor. This method is slower but preferred in some cases.

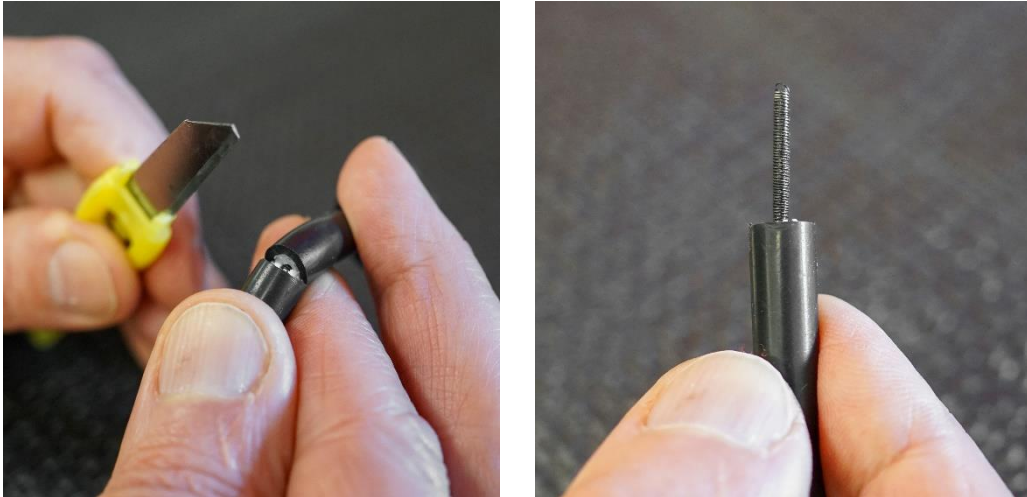
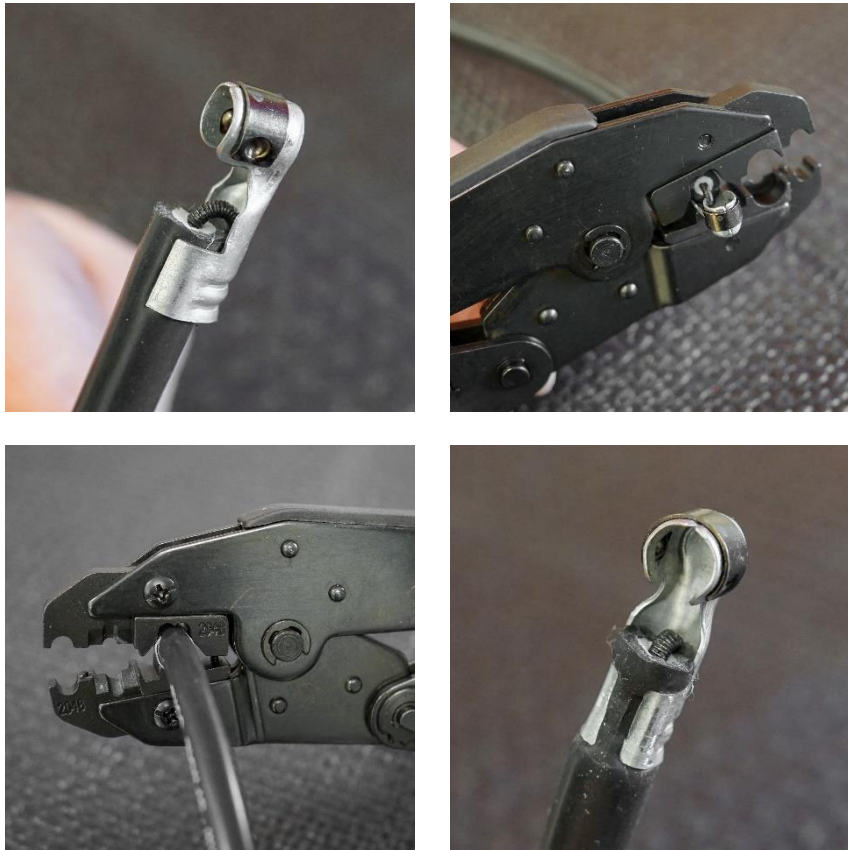


Figure 1

5. Take a pair of pointy nose pliers and pre-bend the terminal slightly to help engage the tool. Fold the inner core over but do not bend tight. Fit terminal with approx. 1 mm of lead past the terminal which will make the crimp stronger. Use a good quality tool (PFEIGCRIMP) to crimp the terminal where it rolls the ends back into the lead jacket, and create a good strong crimp. After your first crimp you will notice that the core bend will be tighter, so leave enough margin to not stress out the conductor. Take notice and adjust the margin you allowed on your fold to have a nice relaxed bend without having a loop or tugging on the core.



6. Carefully tug and slide the distributor boot into place ready for fitment, or if you are using HEI style boots and terminals, lubricate boot and terminal and push into place. Now is a good time to test fit into your distributor cap and position boot if necessary.

NOTE: If you decide to use Proflow SuperMax Wire Pro Sleeve Insulator (PFEIGLPS-KIT), you would cut the sleeve to required length and slide over prior to assembling your terminals and boots, and finish off using the self-vulcanising tape on ends to seal them.

