

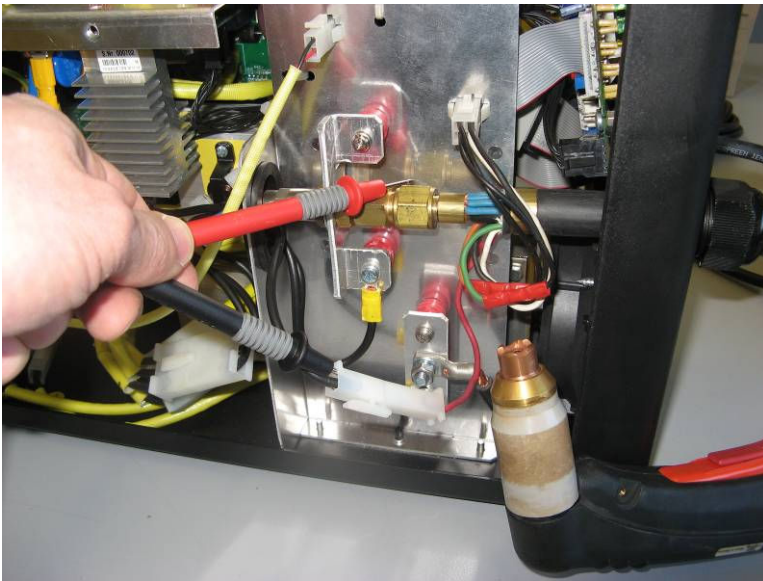
Plasma Torch check UPC 310 ML – UPC 85 ML.



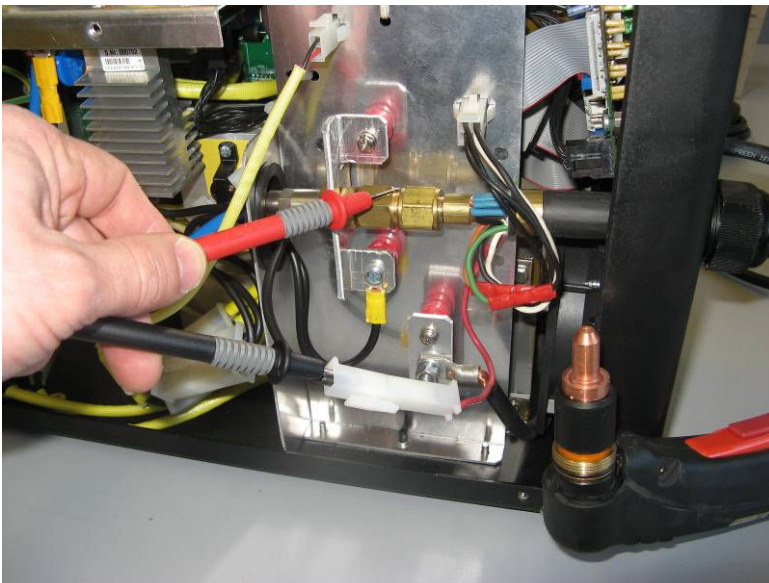
CAUTION!

Turn OFF and disconnect input power before working on the machine
Wait discharge of capacitors (minimum 2 minutes) and be sure voltage is near zero before touching any parts.

-Disconnect the plasma cutting machine from main power supply.
Remove cover.

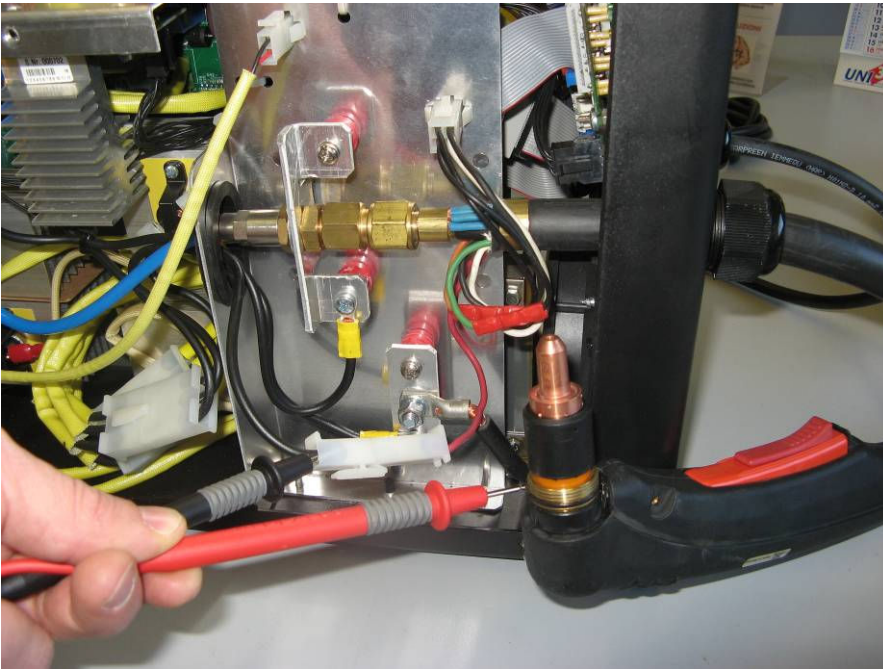


-Measure between Current/air lead and pilot connector on the plasma torch.
Correct value is 0-5 ohms. . If the circuit is open check consumables, above all start cartridge.

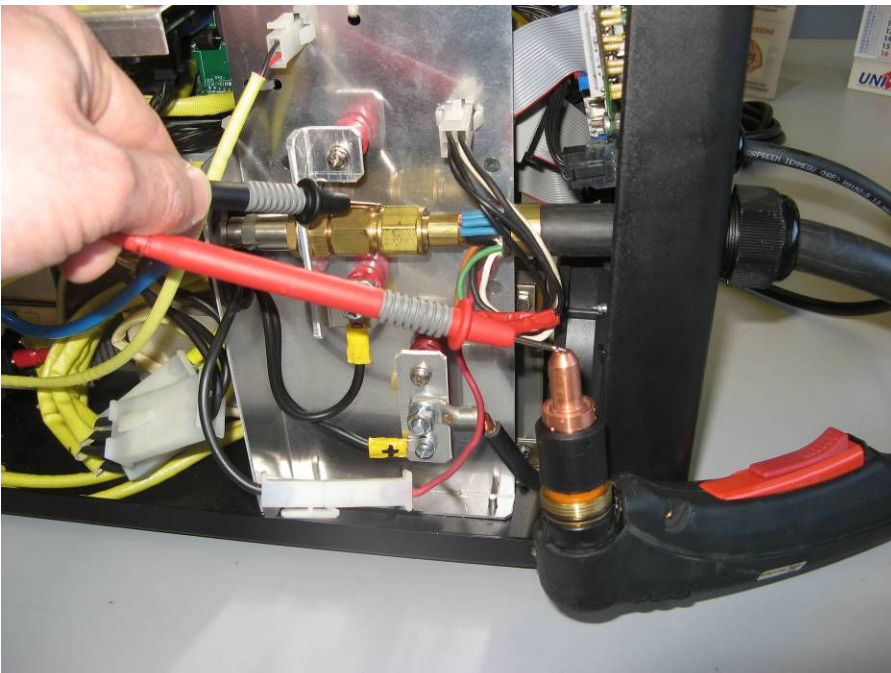


Remove shield cup body and repeat the measure between Current/air lead and pilot connector.
Correct value OL or unlimited. If a short circuit is measured check consumables and torch

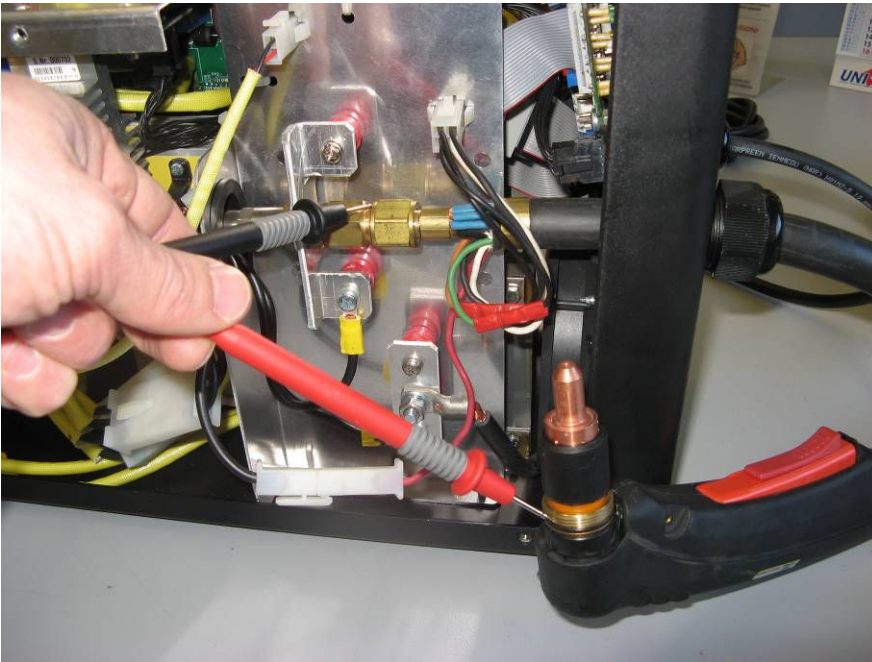
.for visual damage.



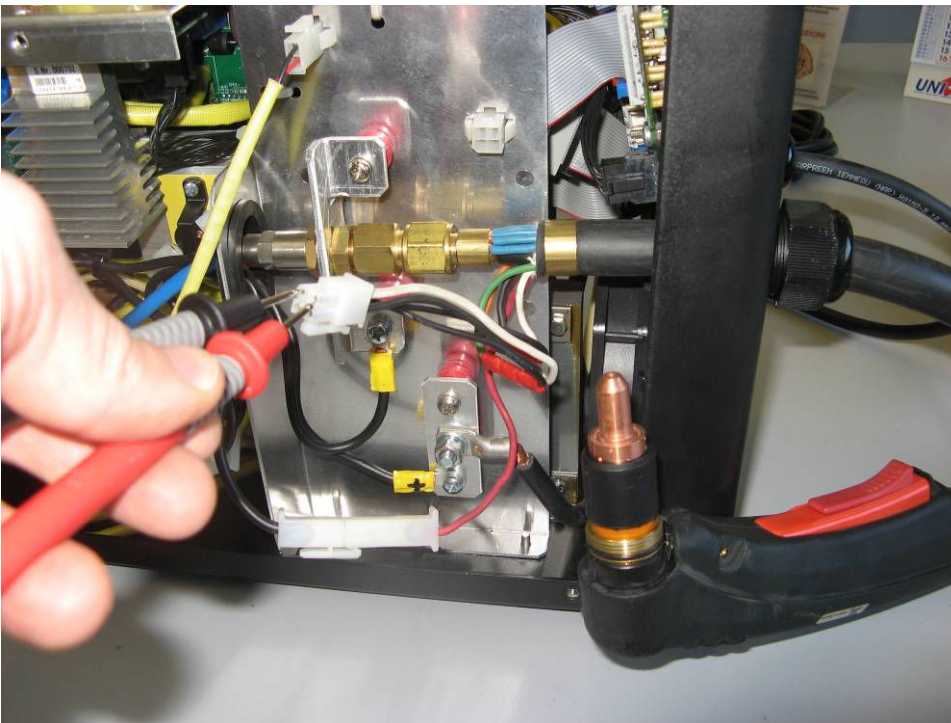
-Measure between Pilot connector and conductive part of the torch head (thread).
Correct value is 0-2 ohms. If the circuit is open check torch head and torch cable.



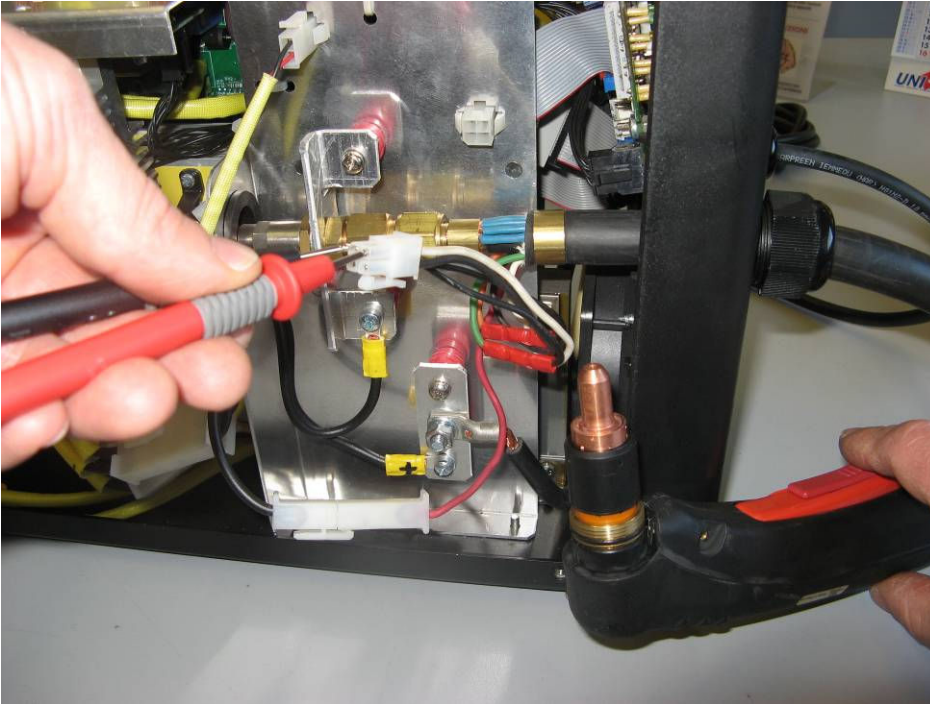
-Measure between Current/air lead and electrode/tip.
Correct value is 0-2 ohms. If the circuit is open check consumables, torch head and torch cable.



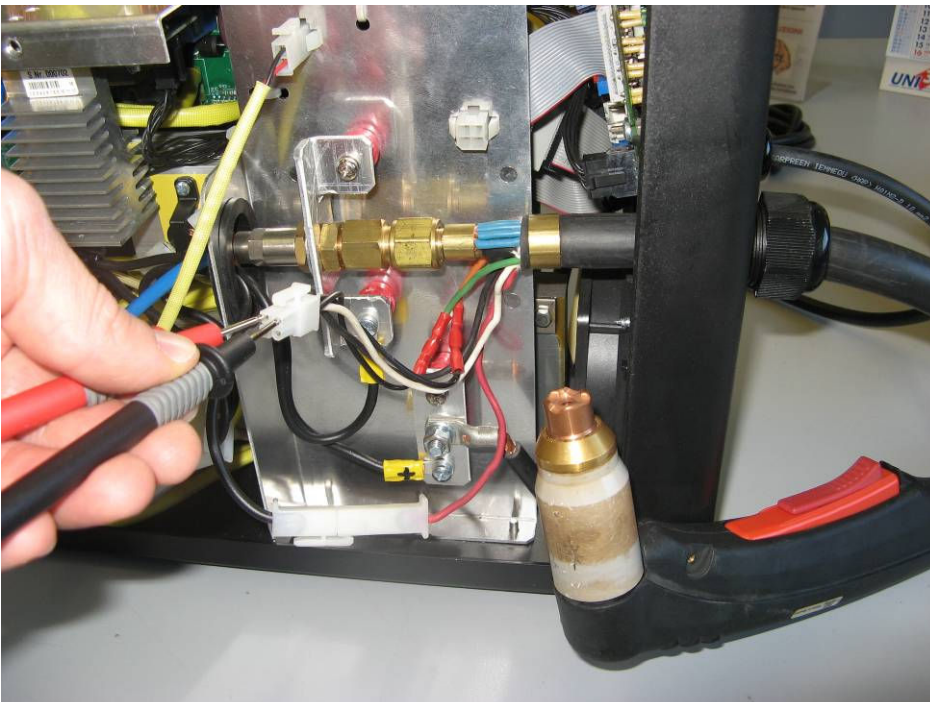
-Measure between Current/air lead and conductive part of the torch head (thread).
Correct value is OL or unlimited. . If a short circuit is measured check torch for visual damage.



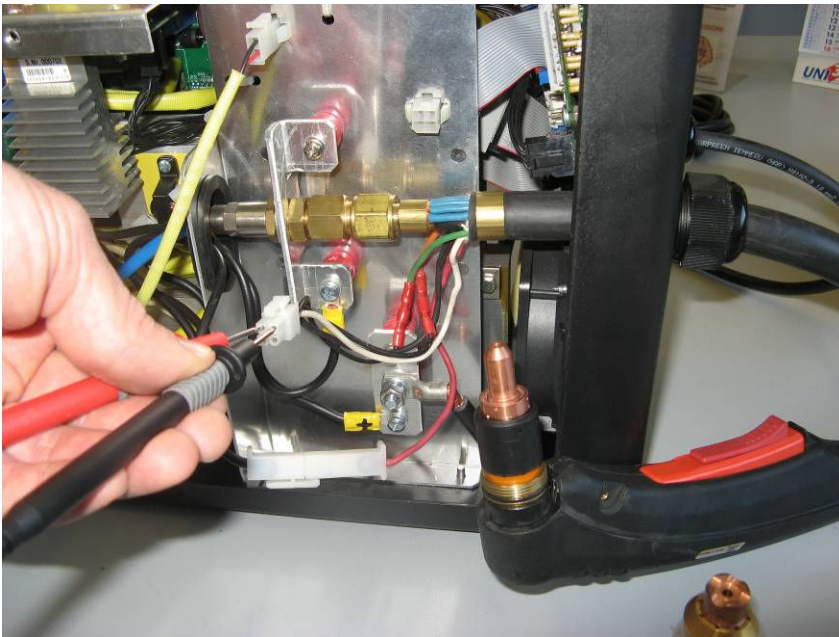
Disconnect trigger/security 4pin connector and measure between pin 1-2 (white and green wire). When the trigger is released correct value is OL or unlimited.



- When trigger is pressed correct value is 0-1ohms.
- . If the circuit is open check torch head and torch cable.



- Measure between pin 3-4 (orange and black wire) of trigger/security 4pin connector.
- When shield cup body is mounted correct value is 0-1ohms. . If the circuit is open check torch head and torch cable.



Remove shield cup body and repeat the measure between pin 3-4 (orange and black wire) of trigger/security 4pin connector. Correct value OL or unlimited.