

Product presentation

The FuelTech Smart Coil was developed to be used on individual coil and sequential ignition applications. It has integrated ignition module, thus, it doesn't need an external one.



IMPORTANT

This coil has integrated igniter so doesn't use external modules as **SparkPRO** or **FTSPARK**.



WARNING

Resistor spark plugs are recommended with inductive ignition coils like this one.

Specifications

Ignition Energy (9ms Dwell)	175mJ
Current spark plug (9ms Dwell)	150mA
Recommended nominal Dwell	5.00ms
Recommended max. Dwell *	9.00ms
Turns ratio	71:1
Current consumption (5ms Dwell)	8A
Current consumption (9ms Dwell)	20A
Output voltage	40kV
Spark discharge duration	3.2ms



NOTE:

**Only use the maximum recommended Dwell with an ECU that controls the Dwell increase under maximum load conditions. The use under maximum Dwell is limited to a few seconds only.*



NOTE:

A 40A fuse and relay is recommended for every 4 coils.

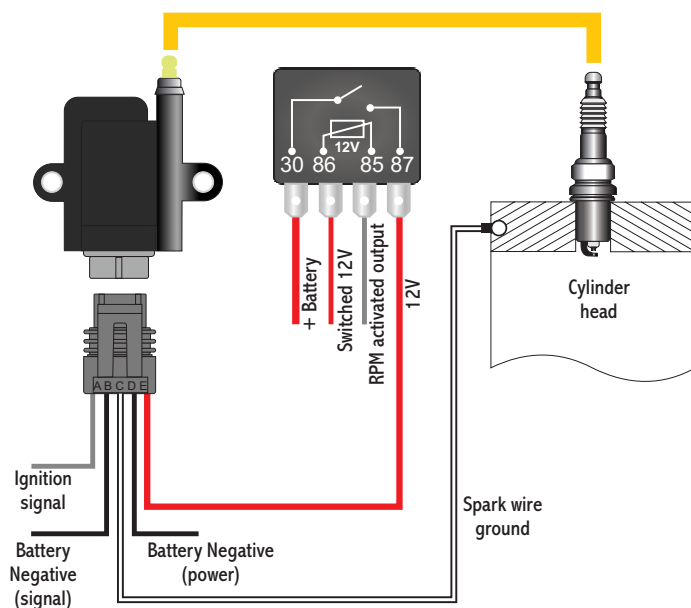
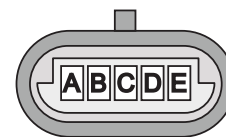
FuelTech coil wiring diagram

- A - FuelTech Ignition Output signal
- B - Battery Negative (signal reference)
- C - Cylinder head (spark wire ground)
- D - Battery negative (power ground, min 1.00mm² / 16 AWG)
- E - Switched Power 12V to 17V (min 1.00mm² / 16 AWG)

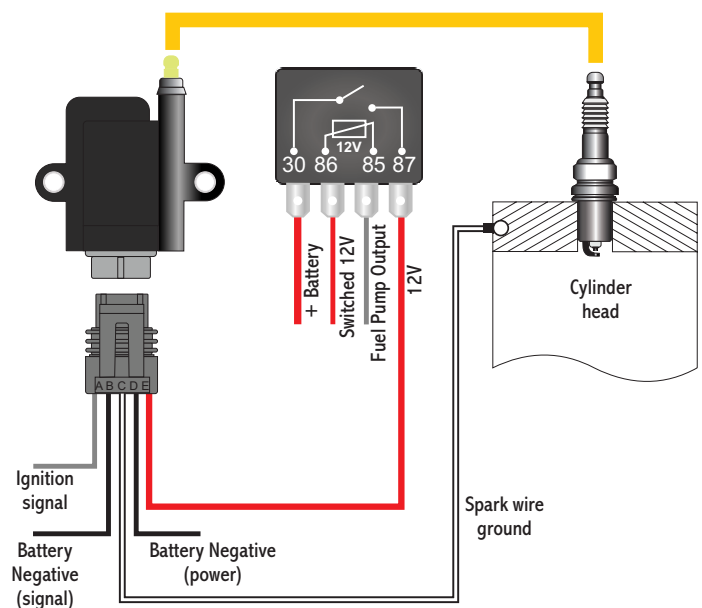


NOTE:

Pins B and D (battery negative) must reach the battery negative terminal through separate wires.



Power FT ECU's (FT450/FT500/FT550/FT600)Connections



Earlier ECU's (FT350/FT400) Connections