

>> How to replace the spark plugs on your smart fortwo

> Remove the Ignition Coils

The replacement of the spark plugs involves first removing the ignition coils.

1. Remove key from the ignition.
2. Pull up rear carpet and remove engine cover.
3. Unclip electrical connector (item 1) at respective ignition coil and disconnect.
4. Remove the screw (item 2) at the respective ignition coil.
5. Remove the ignition coil (items T 1/1, T 1/2, T 1/3).

> Figure A – Engine Compartment

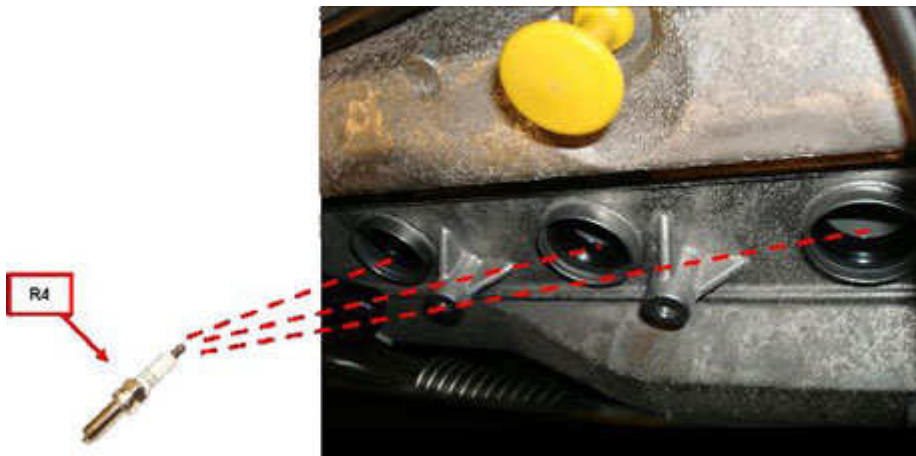


Item	Description
1	Electrical Connector
2	Screw
T 1/1	Ignition Coil Cylinder 1
T 1/2	Ignition Coil Cylinder 2
T 1/3	Ignition Coil Cylinder 3

> Replace the Spark Plugs

1. Unscrew the spark plug (item R4).
2. Check the spark plug gap and if necessary adjust. The spark plug gap is 0.035 in.
3. Install new spark plugs being careful not to cross thread. (TIP – spark plugs should be hand started)
4. Install all removed parts in reverse order.

> Figure B – Spark Plugs



Item	Description
R4	Spark Plug

>> Additional Information

- The spark plugs should be replaced every 3 years or 30,000 miles – whichever comes first.
- The torque specification for the spark plug is 13 ft/lb.
- Be sure the spark plugs are gapped to smart specifications. The correct spark plug gap is 0.035 in.
- A worn spark plug can cause poor fuel mileage and damage your engine, which can reduce it's life.
- Genuine smart parts will maximize your vehicle's performance.
- For further assistance contact your nearest smart center.
- Find a dealer near you by going to www.smartusa.com

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