SPARK PLUG PARTS – IGNITERS – EXCITERS

TEMPEST AVIATION SPARK PLUGS
Made in USA. Copper, co-extruded inside a nickel alloy sleeve ensures outstanding heat and electrical conductivity while the nickel sleeve offers high resistance to corrosive combustion gases. High Alumina Ceramic Insulator. "V" tip focuses heat to reduce fouling and enhance heat range control. Proprietary Glass Center Seal, and resistor design, eliminating resistor degradation causing misfire. Environmentally preferable electrolytic nickel provides outstanding durable finish, superior corrosion protection, and extreme wear resistance. Aviation grade nickel electrode design focuses on minimizing sparking voltage requirements. Harness Wire Contact is a smooth, uninterrupted, oxide treated spring contact surface.

SPARK PLUG TYPE DESIGNATION SYSTEM
In the early 1900s, small planes flew with single ignition systems powered by adapted automobile engines using Champion-brand automotive spark plugs. By the 1920s, the company had developed innovative spark plugs designed specifically for the aviation industry. Champion Aerospace designs and manufactures Champion-brand piston-engine ignition components for both OEM and aftermarket for general aviation aircraft applications. Every spark plug manufactured has built-in design advantages that assure longer life and greater reliability. A typical spark plug number with symbol explanation.

A TYPICAL SPARK PLUG NUMBER WITH SYMBOL EXPLANATION
R Push-wire --90° to Center
H -- Shielded 3/4"-20 Thread (All Weather Plug)
RHB37E 08-00048

1. Resistor
None - No Resistor
R - Ml-Spec Resistor Erosion Protection
2. Barrel Style
None - Unshielded
E - Single Electrode (Iridium)
R - Twin Wire -90° to Center
P - Two Electrode (Platinum)
3. Mounting Thread
Reach Hex Size
B - 18 mm
13/16" (2.06 cm)
7/8" (2.22 cm)
M - 18 mm
1/2" (1.27 cm)
J - 14 mm
3/8" (.095 cm)
13/16" (2.06 cm)
U - 16 mm
1-1/8" (2.86 cm)
13/16" (2.06 cm)
N - 14 mm
3/4" (1.90 cm)
13/16" (2.06 cm)
4. Heat Rating Position
High number--Hot (50) Low number--cold (26)
5. Electrode Design
None - Conventional Single
E - Two Electrode Massive
S - Single Electrode (Iridium)
R - Push-wire - 90° to Center
P - Two Electrode (Platinum)

CHAMPION SPARK PLUGS
SHEIELDED – MASSIVE ELECTRODES

5/8-24”
Price 3/4-20”
Price
RELJ38 (14MM) $62.50 $34.50
REL37B (14MM) $60.50 $34.50
REB37E $34.50 $70.75
REMB37Y $35.00 $34.50
REMS8 $34.50
REMOE $34.50
REB32E $37.50

SHIELDLED – IRIDIUM ELECTRODES**

5/8-24”
Price 3/4-20”
Price
REMS8 $116.50 $116.50
REB32S $116.50 $116.50
REB32E $37.50

UNSHIELDED

5/8-24”
Price
M41E (18MM) $45.50

* Shielded barrel thread size. Check barrel size - 5/8x24 or 3/4x20 threads before ordering and select proper plug number.

NOTE: Spark plugs are shipped in factory sealed plastic cases. Opened spark plug cases may not be returnable. Please do not open any spark plug until you are sure you have the correct spark plugs for your application.

SEE PAGE ON THE RIGHT FOR SPARKPLUG APPLICATION TABLE.

**The "Iridium S" sparkplugs replace the Platinum and "W" Iridium types. Increased bore diameter improves scavenging action. Greater clearance volume can accept more combustion deposits. Single Iridium electrode offers greater resistance to lead attack. Easy to clean Easy to gap.

CHAMPION RVL38S SPARK PLUGS

HELI-COIL INSERTS
18mm long Helicoil aviation grade spark plug inserts.
Heli-coil Insert 18mm X 13/16" ……P/N 08-13858 ……$11.50
Heli-coil Insert 18mm X 1/2" ……P/N 09-13859 ……$6.95

SILICONE HEAT TRANSFER COMPOUND
A thermally conductive grease based on zinc oxide and silicone oil that provides good thermal conductivity across a wide operating temperature range. Non-conductive, non-capacitive, and non-corrosive, it is used to improve the thermal conductivity between irregular metal surfaces. It is widely used to improve heat flow between heat sinks and heat generating electronic components such as CPU’s, GPU’s, and power components. Silicone thermal greases are preferred in high operating temperature applications where silicone migration is not a concern.

4 Gram / 1.7 mL Pouch ……P/N 09-05316 ……$3.40

SPARK PLUG PARTS

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AT52612 SPARK PLUG THREAD LUBRICANT
A high-temperature, graphite lubricant that is applied to spark plug threads prior to installation to prevent galling and seizure. Non-hazardous compound .…..P/N 12-00709 ……. $9.50

TEMPEST SPARK PLUG THREAD LUBRICANT & ANTI-SEIZE COMPOUND
Comes packaged with a brush that applies the lubricant to the threads with a smooth even flow, doesn’t drip, and more importantly, won’t inadvertently run down on the firing end of the spark plug potentially causing an environment conducive to fouling or even pre-ignition. It stays where you put it and covers like a blanket on the first pass!…..P/N 12-00709 ……. $9.50

COPPER SPARK PLUG GASKETS
Made of solid copper to current aircraft standards. Box of 100…..P/N 07-01798 …. $49.90

CHAMPION M674 SPARK PLUG GASKET
M674 - Gasket: Spark Plug, 18mm. Made of solid copper to current aircraft standards. Box of 100, 1 in. X 1 in. X 0.063 in.…..P/N 07-03425 ….. $73.75

SPURRUSP SPARK PLUG BARGAINS

SEE TOOL SECTION FOR FULL LINE OF CHAMPION SPARK PLUG TOOLS

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Prices Subject to Change Without Notice