SPARK PLUG PARTS

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.

MASSIVE ELECTRODE

Model	Part No.	Price
UREM38E	08-00046	---
URHM38E	08-00047	---
UREM40E	08-00048	---
URHM40E	08-00049	---
URHB32E	08-00245	---
UREB37E	08-00246	---
URHB37E	08-00247	---
UREM37BY	08-00248	---

FINE WIRE

Model	Part No.	Price
URHB32S	08-07213	---
URHB36S	08-01230	---
URHM38S	08-01232	---
UREB36S	07-26932	---
UREM38S	08-01234	---

BOXES OF 12 SPARK PLUGS ARE AVAILABLE FOR EACH MODEL. CALL OR VISIT OUR WEBSITE FOR PRICING.

EP

CHAMPION SPARK PLUG ANTI-SEIZE

Apply sparingly to second and third threads. Do not contact electrodes as it could short out the plug. Do not apply to shielding barrel threads. Unbreakable 4oz. bottle with applicator brush top.....P/N 2612

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

ATS2612 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 12-02946

TEMPEST COPPER SPARK PLUG GASKET

AN4027-1, 18MM P/N M673. These are the AN4027-1 18mm copper spark plug gaskets. Model U674. Made of solid copper to current aircraft standards.
Box of 100.....P/N 07-01798

COPPER SPARK PLUG GASKETS

Made of solid copper to current aircraft standards. Available in 14 MM and 18 MM sizes.
AN4027-2, 14MM .....P/N 07-01261 **ea**
AN4027-1, 18MM .....P/N 07-00877 **ea**

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

SURPLUS SPARK PLUG BARGAINS

New surplus 18MM longreach, shielded, 3/4-20 barrel. FAA approved for Continental IO-470, GIO-470, TSIO-470, IO-520 & GTSIO-520. Not for 0-470, which uses short reach plugs.
P/N 08-03699 **ea**

SEE TOOL SECTION FOR FULL LINE OF CHAMPION SPARK PLUG TOOLS

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 devel ped 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

R H B 37 E
① ② ③ ④ ⑤

1. Resistor	None--No Resistor	R--Mil-Spec. Resistor-Erosion protection
2. Barrel Style	None -- Unshielded	E -- Shielded 5/8"-24 Thread
	H -- Shielded 3/4"-20 Thread (All Weather Plug)	
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)	7/8" (2.22 cm)
J - 14 mm	3/8" (.095 cm)	13/16" (2.06 cm)
L - 14 mm	1/2" (1.27 cm)	13/16" (2.06 cm)
U - 18 mm	1-1/8" (2.85 cm)	7/8" (2.22 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)	N - Four Electrode Massive B - Twin Electrodes(Nickel) Y - Projected Core Nose W - Two Electrode (Iridium)

CHAMPION SPARK PLUGS

SHIELDED – MASSIVE ELECTRODES			
5/8-24*	**Price**	**3/4-20***	**Price**
REJ38 (14MM)	---	RHM38E	---
REL37B (14MM)	---	RHM40E	---
REB37E	---	RHU27E	---
REM37BY	---	RHB32E	---
REM38E	---		
REM40E	---		
REB32E	---		
SHIELDED – IRIDIUM ELECTRODES**			
5/8-24*	**Price**	**3/4-20***	**Price**
REM38S	---	RHB32S	---
REB-36S	---	RHB36S	---
		RHM38S	---
UNSHIELDED			
5/8-24*	**Price**	**3/4-20***	**Price**
M41E (18MM)	---		

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

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

Used on M14 YAK.P/N 08-06280

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

HELI-COIL INSERTS

18mm long Heli-Coil aviation grade spark plug inserts.
Heli-coil Insert 18mm X 13/16 ".... P/N 08-13858
Heli-coil Insert 18mm X 1/2 ".... P/N 08-13859

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