

# AVIATION SPARK PLUGS



## AUTOLITE SPARK PLUGS

OEMs and overhaul facilities around the world are choosing Unison's Autolite Aviation Spark Plugs for superior heat transfer and leakage protection, advanced reliability, long life, and cost-effectiveness. Minimized plug length allows for greater clearance between the plug and aircraft cowling. Completely FAA-PMA approved, these plugs are trusted for use in some of aviation's most demanding applications, including the Extra 300 aircraft flown by the Northern Lights Aerobatic Team and the Exxon Flyin' Tiger climb machine.

| Unison Part No. | Mounting Thrd. Size | Reach  | Shielding Thread | Equiv. Champion P/N | Price Each |
|-----------------|---------------------|--------|------------------|---------------------|------------|
| UREM38E         | 18mm                | 1/2"   | 5/8"-24          | REM38E              | .          |
| URHM38E         | 18mm                | 1/2"   | 3/4"-20          | RHM38E              | .          |
| UREM40E         | 18mm                | 1/2"   | 5/8"-24          | REM40E              | .          |
| URHM40E         | 18mm                | 1/2"   | 3/4"-20          | RHM40E              | .          |
| URHB32E         | 18mm                | 13/16" | 3/4"-20          | RHB32E              | .          |
| UREB37E         | 18mm                | 13/16" | 5/8"-24          | REB37E              | .          |
| URHB37E         | 18mm                | 13/16" | 3/4"-20          | RHB37E              | .          |
| UREM37BY        | 18mm                | 1/2"   | 5/8"-24          | REM37BY             | .          |

## AUTOLITE XL FINE WIRE SPARK PLUGS

Unison's Autolite® Fine Wire Aviation Spark Plugs have longer life and more premium design features: • Resistant to lead attack • Improved scavenging • Pedestal mount for the welded side wire electrode • Projected gap design for improved combustion • Iridium side wire electrode tip • Proprietary glass seal and integral resistor • High temp. black paint for additional corrosion protection

| Unison Part No. | Mounting Thrd. Size | Reach  | Shielding Thread | Equiv. Champion P/N | Price Each |
|-----------------|---------------------|--------|------------------|---------------------|------------|
| URHB36S         | 18mm                | 13/16" | 3/4"-20          | RHB36S              | .          |
| URHB32S         | 18mm                | 13/16" | 3/4"-20          | RHB32S              | .          |
| URHM38S         | 18mm                | 1/2"   | 3/4"-20          | RHM38S              | .          |
| UREB36S         | 18mm                | 13/16" | 5/18"-18         | REB36S              | .          |
| UREM38S         | 18mm                | 1/2"   | 5/8"-24          | REM38S              | .          |

## NGK SPARK PLUGS

### DCPR7E



| Description             | Part No. | Price |
|-------------------------|----------|-------|
| DCPR7E (for Rotax 912)  | 08-00504 | .     |
| DCPR8E (for Rotax 912S) | 08-01228 | .     |
| CR7HSA                  | 08-00649 | .     |
| BR8EIX                  | 08-00650 | .     |
| BR8EG                   | 08-00687 | .     |
| DR8EA                   | 08-00693 | .     |
| B8ES (Solid)            | 08-00730 | .     |
| B8ES (Non-Solid)        | 08-07075 | .     |
| BR8ES                   | 08-00736 | .     |
| B7ES                    | 08-07039 | .     |
| B9ES                    | 08-07040 | .     |
| BR7ES                   | 08-07041 | .     |
| BR9ES                   | 08-07042 | .     |
| DCPR8E                  | 08-07044 | .     |
| BR7EIX                  | 08-07045 | .     |
| BR9EIX                  | 08-07046 | .     |

### BR8EIX



## 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 .....

## AUTOLITE T-556 SPARK PLUG THREAD LUBRICANT & ANTI-SEIZE COMPOUND

Helps to prevent galling and lubricates threads during installation. P/N 12-00709 .....

## 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

## FOLDED STEEL SPARK PLUG GASKETS

The new type folded steel sparkplug gaskets provide better sparkplug retention with no adverse effect on heat transfer. Endorsed by FAA. These gaskets are not to be reused.

18mm Gaskets..... P/N M677..... ea

## AN4062-1 DEHYDRATOR PLUGS 18MM

These plugs are used to prevent rust and corrosion in engines while in storage. Contain silica gel which turns from blue to pink when moisture is absorbed. Reusable & refillable. The pink silica gel may be reactivated (after removing from reservoir) by heating for 16 hours at 250°F.

AN4062-1 (18MM)..... ea

**SILICA GEL. Indicating type, for refilling plugs.**

1/4 Lb. Bag..... P/N 07-00731.....  
1 Lb. Can..... P/N 07-03400.....



## AUTOLITE SPARK PLUG TYPE DESIGNATION SYSTEM

All Champion Aviation Spark Plugs are identified by type designations selected by virtue of the plug design as applied to the following Spark Plug Number and Symbol Chart. The symbol is composed of a rating position number together with prefix & suffix numbers to indicate major plug design characteristics.

### A TYPICAL SPARK PLUG NUMBER WITH SYMBOL EXPLANATION

R H B 37 E  
↑ ↑ ↑ ↑ ↑  
① ② ③ ④ ⑤

R — Push-wire—90° to Center

#### 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 - 18mm 13/16"/2.06cm 7/8"/2.22cm M— 18mm 1/2"/1.27cm 7/8"/2.22cm  
J - 14mm 3/8"/0.95cm 13/16"/2.06cm L — 14mm 1/2"/1.27cm 13/16"/2.06cm  
U - 18mm 1-1/8"/2.85cm 13/16"/2.06cm

#### 4. HEAT RATING POSITION

Low number—cold High number—hot

#### 5. ELECTRODE DESIGN

None—Conventional single E — Two prong massive N — Four prong massive  
P—Fine wire (Platinum) W — Fine wire (Iridium) B—2 prong massive, Tangent to Center

## 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 — IRIIDIUM 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 236 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.

## 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 IN BACK OF CATALOG FOR FULL LINE OF CHAMPION SPARK PLUG TOOLS**

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