

LIGHTSPEED IGNITION

LIGHT SPEED ENGINEERING PLASMA IGNITION SYSTEM

Light Speed Engineering, LLC (LSE) is a pioneer in the design and production of ignition systems for experimental aircraft. 22 years of research and development have been invested in producing the PLASMA CDI (Capacitive Discharge Ignition) system product line. LSE's PLASMA CD systems are the ideal replacement for yesterday's magneto technology. You can replace one mag with a PLASMA CDI or, for maximum performance, replace both magnetos with these state of the art systems. The Plasma CDI is a solid-state, high performance ignition system intended for today's home built aircraft. Light Speed Engineering currently offers two Capacitive Discharge Ignition Systems: the PLASMA II PLUS and the PLASMA III. Standard Plasma CDI kits include: direct crank sensor assembly, high tension leads, harness, spark plugs, spark plug adapters, and ignition coils with mounting bracket. One or two systems can be used.

PLASMA II PLUS CDI



The Plasma II is Light Speed Engineering's basic electronic ignition system for aircraft. It is a lightweight, high-energy capacitor discharge system containing all of the essential Plasma CDI features. Its smaller size and lighter weight sets it apart from any other ignition source. Like all LSE ignition systems it features

automatic ignition advance based on engine load and RPM, auto retard for starting and a standard pulse tachometer output. The Plasma II was designed to provide a high tech ignition source at the cost of magnetos.

PLASMA III CDI



Light Speed Engineering has introduced a new ignition system to its line of products. The new Plasma III Capacitor Discharge System is the latest high performance ignition for all 4-cyl and 6-cyl aircraft engines. Its long duration spark and optimized timing curve makes more horsepower and improves fuel efficiency- at all altitudes. Other benefits include quick starts, reduced maintenance, light weight, lower EGT's and up to 20% more range. As with all LSE ignitions, RPM and manifold pressure inputs are used for our proprietary timing curves. The Plasma III is also capable of displaying the current timing advance, manifold pressure and rpm on an optional lightweight LCD display. The Plasma III can easily replace one or both magnetos, making your engine run better under all conditions.

PLASMA CAPACITIVE DISCHARGE IGNITION SYSTEMS

All Plasma CDI systems include: high tension leads, harness, spark plugs, spark plug adapters, ignition coils with mounting bracket, and Hall Effect Sensor module OR Direct Crank Sensor assembly.		
Description	Part No.	Price
Plasma II Plus: 4 Cylinder Direct Crank Sensor	08-06294	.
Plasma II Plus: 4 Cylinder Hall Effect Module	08-06295	.
Plasma III: 4 Cylinder Direct Crank Sensor	08-00675	.
Plasma III: 4 Cylinder Hall Effect Module	08-00676	.
Plasma III: 6 Cylinder Direct Crank Sensor	08-00677	.
Dual Plasma CDI Systems		
Dual Plasma II Plus: 4 Cylinder Direct Crank Sensor	08-06296	.
Dual Plasma II Plus: 4 Cylinder Hall Effect Module	08-06297	.
Dual Plasma III: 4 Cylinder Direct Crank Sensor	08-06298	.
Dual Plasma III: 4 Cylinder Hall Effect Module	08-06299	.
Dual Plasma III: 6 Cylinder Direct Crank Sensor	08-06300	.
Options		
On all Turbo and Super-Charged ignition systems add \$124.95	08-06301	.
On all Franklin and Continental engine ignition systems add \$194.99	08-06302	.

S.5 SPARK PLUG ADAPTER FOR 14MM SPARK PLUGS

RECOMMENDED BY KLAUS SAVIER OF LSE



The high performance, electronic ignition, has demonstrated it's reliability, easy starts, greater power at altitude, and leaner, more efficient combustion. Yet your expensive aircraft Spark Plugs, can prevent the pilot from taking full advantage or this electronic powerhouse. The S.5 is a precision CNC adapter, that installs easily in aircraft engines, that use 18mm "short reach" spark plugs, transforming the 18mm threaded hole down to 14mm.

The Spark Plug Adapter allows you to use:

- High performance 14mm automotive/ motorcycle spark plugs, that offer an almost unlimited variety of heat ranges, & electrode styles, designed specifically to take advantage of electronic ignitions.
- Shorter plugs with 90° silicon boots, give greater clearance for sleeker cowls and less drag, meaning higher speed, using less power.
- Precious and semi precious metal racing spark plugs (the ultimate in reliability and long life) for less than you'd pay for ordinary aircraft plugs. More speed, power, efficiency, as well as a cost savings each time you change spark plugs.
- New & improved corrosion resistant design substantially extends the operational life of the S.5 Spark Plug Adapter.

Set of 4P/N 08-06753



WIRE TERMINAL CLIP

For 7 MM unshielded harnesses.

P/N 07-03500

HIGH TENSION CABLE



Unshielded 7MM ignition cable consists of tinned conductor, rubber insulation, reinforced glass braid and Hypalon jacket that resists sun, weather, heat, chemicals and oxidation by ozone. Temperature range -65° to 250°F.

P/N 07-03700 Ft.

ENGINE BAFFLE IGNITION WIRE SEALS



P/N 526, 375, 376



P/N M2376

Seal Type	Seals for 5MM Wire P/N	Each
One-Wire	526	.
Two-Wire	375	.
Three-Wire	376	.
Slick 3-Wire	M2376	.

BUZZ AERO ROCKER COVERS



The Buzz Aero Model AC2003 cover is made to fit Lycoming straight valve cylinders. Available in red, white, blue or black anodizing. Specs: Wt: 9oz; Machined from billet aluminum; Nickel chrome plated stainless steel socket head cap screws supplied with kit;

Set of gaskets supplied with each kit. AC2003 Applications: Lyc. 0-235, 0-290, 0, 10, LI0-320, 0-340, 0- 360-A, B, C, D; I0-360-B; H0-360-A, B; HI0-360-B, V0, IV0-360; 0- 540-A, B, E, F, G,

I0-540-C, D, J, N, R.

Also Available by Special Order: AC2004 for Engines: I0-360-A, C, D; AI0-360-A, B; H0-360-A, C, D, TI0-360-A; LI0-360-C1E6; V0, G0-435; G0-480; I0, V0, TVI0-540; I0- 720, TV0-435.

Description	Part No.	Price
Rocker Cover 4 Cyl. Kit Red	08-00806-1	.
Rocker Cover 4 Cyl. Kit White	08-00806-2	.
Rocker Cover 4 Cyl. Kit Blue	08-00806-3	.
Rocker Cover 4 Cyl. Kit Black	08-00806-4	.
Rocker Cover 6 Cyl. Kit Red	08-00807-1	.
Rocker Cover 6 Cyl. Kit White	08-00807-2	.
Rocker Cover 6 Cyl. Kit Blue	08-00807-3	.
Rocker Cover 6 Cyl. Kit Black	08-00807-4	.