

ELECTROAIR – IGNITION HARNESSSES

ELECTROAIR EXPERIMENTAL IGNITION SYSTEMS



EIS-1 KIT



EIS-2 KIT

The Electroair EIS fires the spark plugs directly from the coils, not through a distributor. This is accomplished by using multiple coils, each with two spark terminals. The coil terminals are connected to the spark plugs, allowing one cylinder to fire on compression while its companion cylinder fires simultaneously on exhaust. Open spark gaps in the rotor and cap are eliminated, making wear and moisture problems a thing of the past.

The EIS Controller includes dual digital microprocessors using patented spark algorithms, which takes the electrical signal from the crankshaft (or mag timing housing) sensor, identifies top-dead center and then keeps track of the remaining rotation. The EIS determines engine speed and computes the spark advance using the settings pre-set at the factory for the engine as a base-line. Settings from the factory are preset for the engine's certified placarded timing. Additionally, the EIS receives engine manifold pressure information and advances the ignition to compensate for altitude and throttle position.

EIS-1 KIT	Part No.	Price
4-cylinder Electronic Ignition System comes with: Coil Pack, Controller, Mag Timing Housing, MAP Sensor, spark plug wires, instruction manual. Specify engine make and model.	08-05953	\$2,035.00
EIS-2-MT	Part No.	Price
6-cylinder Electronic Ignition System with MTH (Mag Time Housing) comes with: Coil Pack, Controller, Crankshaft Timing Wheel, MAP Sensor, spark plug wires, instruction manual. Specify engine make and model.	08-14584	\$2,462.00

PLEASE VISIT WWW.AIRCRAFTSPRUCE.COM FOR ADDITIONAL IGNITION KITS.

ELECTROAIR 4 CYLINDER ELECTRONIC IGNITION KITS



The EIS-41000 Series Electronic Ignition Kit is a fully STC'd kit for most Lycoming 4cyl engines. Replacing one magneto with the EIS-41000 will typically improve fuel economy on average by 10-15% (many operators have reported consistent fuel savings of 1gph or greater). Additionally,

there will be an improvement in horsepower, smoother engine operation, and improved high altitude performance. Used on either 12V or 24V systems. Kit includes: all the required parts to replace the direct drive magneto (typically, the right hand mag), or the Impulse Coupled Magneto (typically left handed) in most 4cyl Lycoming engines. (Please refer to the FAA approved model list to verify the system can be installed on your engine - Note: engines are being added regularly).

Description	Part No.	Price
EIS-41000 Direct Drive (non-impulse coupled)	08-07272	\$3,213.00
EIS-41000IC Impulse Coupled	08-07505	\$3,545.00
EIS-41000T Twin Engine Aircraft; Lycoming 4cyl Engines. Standard Rotation, Direct Drive (non-impulse coupled) Magneto Replacement	08-07667	\$3,213.00
EIS-41000TIC Twin Engine Aircraft; Lycoming 4cyl Engines. Standard Rotation Impulse Coupled Magneto Replacement	08-07668	\$3,213.00
EIS-41000TLH Twin Engine Aircraft; Lycoming 4cyl Engines. Counter-Rotating, Direct Drive (non-impulse coupled) Magneto Replacement	08-07669	\$3,213.00
EIS-41000TLHIC Twin Engine Aircraft; Lycoming 4cyl Engines. Counter Rotating, Impulse Coupled Magneto Replacement	08-07670	\$3,213.00
EIS-61000-T5M 6 Cylinder EIS Lycoming Normal ASP MAG Timing Housing	08-16206	\$4,950.00



ELECTROAIR 6 CYLINDER ELECTRONIC IGNITION KITS

The EIS-61000 Electronic Ignition Kit is a fully STC'd kit for Continental 470 & 520, non-turbo'd, series engines, installed on single engine aircraft. Replacing one magneto with the EIS-61000 will typically improve fuel economy. This kit can be used on either 12V or 24V systems. Kit includes: all the required parts to replace one magneto.

Description	Part No.	Price
EIS 61000-1C Electroair Cont. 6 Cyl.	08-12237	\$3,784.00
EIS 6100-T1C Electroair Cont. 6 Cyl.	08-13155	\$4,316.00
EIS-61000-1M for Continental 360, 470, 520, & 550 non turbo series engines on single engine aircraft.	08-13696	\$5,289.00
EIS-61000-T1M for Continental 360, 470, 520, & 550 non turbo series engines on twin engine aircraft.	08-13759	\$4,157.00
EIS-61000-5C for Lycoming 540 non turbo series engines on single engine aircraft.	08-13760	\$4,316.00
EIS-61000-T5C for Lycoming 540 non turbo series engines on twin engine aircraft.	08-13761	\$4,316.00

Note: The following are replacement units for the EIS systems.

EA-6000/EA-6000TP the brains of the Electroair Electronic Ignition System. This replacement unit if for 6cyl engines. This unit can be used in either a 12V or 24V application.	08-13157	\$2,272.50
EA-11000 Crank Shaft Trigger Wheel kit mounts on the bare spot of the crank shaft just behind the propeller flange. NOTE: Minimum clearance of 0.650" between the front of the engine case and propeller studs is REQUIRED. Please check this dimension before starting installation ordering the kit.	08-13158	\$896.00
EA-8000 is the 6cyl Coil Pack used in the EIS-61000 Electronic Ignition System. This unit can be used in either a 12V or 24V application.	08-13159	\$680.00
The EA-3000 replaces the direct drive magneto found on most 4cyl Lycoming engines. This unit provides the EA-1000 Controller with the engine position and RPM information needed to drive the electronic ignition system.	08-07671	\$1,449.00

ELECTROAIR IGNITION SWITCH PANELS



The EA-13000 is approved ignition switch panel with STC to control both the Electroair electronic ignition system (EIS) and the magneto.
Horizontal.....P/N 08-14693\$264.95
Vertical.....P/N 08-14694\$264.95

EA-15000 IGNITION SWITCH PANELS



The EA-15000 is an approved ignition switch panel to control two magnetos and a starter in a conventional ignition configuration (magneto to magneto). The panel comes in two versions, a horizontal one and a vertical one. This set of ignition switches is approved to replace the outdated and venerable rotary key-switch.
Horizontal.....P/N 08-17141\$264.95
Vertical.....P/N 08-17142\$264.95

ELECTROAIR SPARK PLUGS



Electroair partnered with Tempest to produce its new HE spark plug line. The HE plugs are STC'd and PMA'd for use with the Electroair electronic ignition systems. The plugs are approved for all aircraft, and installations approved for use with the Electroair electronic ignition systems. Electroair's "HE" plug line include a massive electrode with extended reach outer electrodes has a gap of 0.032. This optimal gap accommodates the high energy output of 70,000 volts delivered by the Electroair system.
EAREM37HE.....P/N 08-07714\$30.50
EAREM38HE.....P/N 08-07715\$111.75
EARHB32E.....P/N 08-16212\$26.60

ELECTROAIR CERTIFIED SPARK PLUG WIRE ASSEMBLY KIT



EA-4000 Spark Plug Wire Assembly Kit
The EA-4000 spark plug wire kit comes complete with enough wire and spark plug hardware to replace any lead in the system. This easy to assemble spark plug lead allows the maintainer to quickly and neatly install a spark plug lead. Routing leads individually allows for a cleaner and easier installation.
P/N 08-07678\$52.75

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