# CHAMPION IGNITION HARNESSES



- Heat resistant polymer coating has been specially engineered for high temperature engine environments.
- 5 mm conductor contains 19 strand of stainless steel wire.
- Flexible, copper-tin, nickel plated braid reduces EMI. Performanceproven leads offered in straight or elbowed configurations.
- · Plated-steel nut offers greater strength than aluminum nuts.
- · Replaceable spring saves you time and money.

#### COMPLETE HARNESS ASSEMBLIES STRAIGHT SPARK PLUG CONNECTOR

SPARK PLUG CUNNECTUR			
CH11480		CH12154	
CH11730		CH12157	
CH11740		CH12176	
CH11780		CH12216	
CH11878		CH12235	
CH11884		CH12360	
CH11950		CH12364	
CH11978		CH12365	
CH12007		CH12381	
CH12015		CH12423	
CH12037		CH12508	
CH12120		CH12778	
CH12121		CH12779	
CH12130		CH12932	

# COMPLETE HARNESS ASSEMBLIES ELBOW SPARK PLUG CONNECTOR

CUNNE	GIUK
CH14001	
CH14002	
CH14004	
CH11730E	
CH11740E	
CH11780E	
CH12007E	
CH12015E	
CH12121E	
CH12154E	
CH12364E	
CH12365E	
CH12381E	
CH14001E	

#### IGNITION HARNESS ASSEMBLIES

CH12037E	
CH12120	
CH12120E	
CH12130E	
CH12157E	
CH12176E	
CH12235E	
CH12360E	
CH14002E	

## **E-MAG ELECTRONIC IGNITION**



E-Mag is a next-generation electronic ignition, designed to serve as an upgrade or replacement for traditional aircraft engine magnetos. The idea behind a next-generation "anything" is that it 1) builds on what came before, and 2) gives more of what the customer wants. EICAD™ expanded controls - E-MAG interactive control and display is an optional set of ignition control capabilities built into our newest series ignitions. • Customize Tach Output Signal • Monitor/ Change/Store your preferred timing shift • Ignition status reports (roughly 3 pounds and 6.25" long with plug wires attached). Sealed electronics are impervious to water, dirt, and oil. The P model draws power from the aircraft buss, but is backed up by a built-in three phase brushless alternator. Forget about batteries or keeping a magneto for back-up. Includes a lockout feature that guarantees the ignition will not fire before TDC during start-up. Were this to occur, an expensive starter motor can be damaged or destroyed. Designed to endure significant voltage dips. Should take about two to three hours to install. Will let you set timing for one or both ignitions in about 60 seconds - without the need for any special tools. Detects whether it's installed on a right or left rotating engine, and adjusts automatically. Reuse your existing keved (or other) kill switch to control E-MAG operation.

•	Description	Part No.	Price
	"E" Model (E-MAG) Ignition - Ignition compatible with 4 cylinder Lycoming engines - includes mounting gasket and control plug. MAP sensor built in.	07-01291	
	"P" Model (P-MAG) Ignition - Same as the E model above, but has a built-in backup alternator.	07-01292	-
	E-MAG Aircraft Harness - Trim-to-fit harness kit. Aircraft Harness kits include with the	07-01293 (one ignition)	
	il end fittings, tool, and appear on forms as "Air Packs".	07-01294 (two ignition)	-
	E-Mag P Model Ignition with Alternator 4C Continental - Ignition compatible with most 4 cylinder Lycoming and Continental O-200 engines. Specify Ignition type as follows: Lycoming (and like) engine P114-L4. Continental O-200 engines P114-C4	07-01311	
	E-Mag E Model Ignition 4C Continental - Same as P model above, but without built-in alternator. Specify Ignition type as follows: Lycoming (and like) engine E114-L4, Continental O-200 engines E114-C4	07-01310	
	Replacement E-MAG Lycoming Drive Gear	07-01295	
	Replacement E-MAG Continental drive gear adapter	07-01314	



Replacement Drive Gear

### ELECTROAIR IGNITION SYSTEMS



Electroair Ignition Systems come complete with everything needed to install the EIS. Comprehensive installation procedure leaves little room for error when installing your system. For more information on these kits please visit: www.aircraftspruce.com

EIS-1 KIT	P/N	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	
EIS-2 KIT	P/N	PRICE
6-cylinder Electronic Ignition System comes with: Coil Pack, Controller, Crankshaft Timing Wheel, MAP Sensor, spark plug wires, instruction manual. Specify engine make and model.	08-05954	

EIS-3 KIT	P/N	PRICE
Subaru EJ-22 4-cylinder Electronic Ignition System comes with: Coil Pack, Controller, Subaru Timing Wheel Kit ( replaces COG pul- ley & factory pick-up ), and instruction manual.	08-05955	•
EIS-4 KIT	P/N	PRICE