

**Overview of Fiat Dino, Ferrari Dino 206 & 246 & Lancia Stratos Aftermarket Ignition Systems v2.8 (www.dinoplex.org, info@dinoplex.org, 05/2010)**

The following chart lists compatible and dedicated ignition setups for Fiat Dino, Ferrari Dino and Lancia Stratos cars. Although the information has been researched with great care, there could be still errors, wrong names and prices listed, so use at your own risk.

Ignition System	Points Optical	Magnet Hall	VR Sensor	MAP Sensor	TPS Sensor	Inductive Discharge	Capacitive Discharge	Single spark	Multiple spark	Advance Map Support Programmable Map	Distributor	Ignition Controller	Coil	Price	Price	Advantages	Originality	Time to install & setup	Comment
<b>Ferrari 206 GT Ignition</b>	X						X	X			Marelli S125 AX-15, S125 BX-15	Marelli AEC 101 D (Dinoplex)	Marelli BZR 205A (stock coil)	€400-800 (used, good condition)	--	•	++	+	Original Ferrari Dino 206 Ignition, a similar setup was also installed in early Fiat Dino Coupe and Spiders. Unit is not potted in epoxy (except yellow racing version) and can be repaired (see www.dinoplex.org for schematics and part list).
<b>Ferrari 246 GT Ignition (European Version)</b>	X						X	X			Marelli S125 BX-15 Double Points, 3 Lobe Cam (Standard on EU spec Dino)	Marelli AEC 103A	Marelli BAE 200A (stock coil)	€600-1200 (used, good condition)	--	•	++	+	Original Ferrari Dino 246GT Ignition, European version uses three lobe cam and two sets of points to enhance dwell time for higher RPM. AEC103 Unit is potted in epoxy and cannot be repaired.
<b>Ferrari 246 GT Ignition (US Version)</b>	X						X	X			Marelli S125 C Double Points, 6 Lobe Cam (Standard on US spec Dino)	Marelli AEC 103A	Marelli BAE 200A (stock coil)	€600-1200 (used, good condition)	--	•	++	+	Original Ferrari Dino 246GT Ignition, US version uses 6 lobe cam and second set of points to retard engine when idle via throttle switch. AEC103 Unit is potted in epoxy and cannot be repaired.
<b>Lancia Stratos HF Stradale Ignition</b>	X						X	X			Marelli S125 C Single Points, 6 Lobe Cam	Marelli AEC 103A	Marelli BAE 203A (stock coil)	€600-1200 (used, good condition)	--	•	++	+	Original Lancia Stratos HF Stradale Ignition setup. AEC103 Unit is potted in epoxy and cannot be repaired. S125C with single set of points and 6 lobe cam.
<b>Pertronix Ignitor Distributor Conversion</b> www.pertronix.com			X			X		X			Marelli S125 converted to Pertronix MR-161 Ignitor Hall pickup	Marelli AEC 103A	Pertronix or 3rd party with a minimum resistance of 3Ω.	\$120 + coil	++	+	+	+	Points to Hall Sensor conversion, uses stock or Pertronix coil. Easy to install conversion for precise ignition and less servicing (no points). Recommended for triggering the original Dinoplex AEC 101A/103A or other CD ignition (Crane, MSD, Mallory etc).
<b>Lumenition Optronc</b> www.newtronic.co.uk	X					X					Marelli S125 converted to Lumenition optical pickup OS50	Lumenition PMA50 transistor amplifier	Lumenition MS4 or other coil with at least 3 Ohm	£ 225	+	+	+	+	Points to optical pickup conversion, uses Lumenition transistor amplifier PMA50. Fixed dwell. OS50 optical pickup and rotor (Part# FK425 or FK9) must be adapted to Marelli distributor, no ready made conversion kit is currently available.
<b>TCK507Z Contactless Ignition System</b> www.Stewart-Klassik.de	X					X	X				Marelli S125 converted to Lumenition optical pickup CET 150	Stewart Thor TSZ-1 amplifier	Beru ZS 124 Coil	€ 368	+	+	-	+	Points to optical pickup conversion, uses Lumenition optical pickup. Price includes installation of optical pickup in your S125 distributor.
<b>Bosch Ignition Conversion</b> Bosch/Aftermarket Parts Dealer	X					X	X				Marelli S125 converted to Lumenition optical pickup OS50	Bosch (0227 100 137) amplifier module with integrated dwell control and current regulation. (Bosch plug for module part number 1 287 013 005)	Bosch transistor coil (0221 122 334)	€120 (Bosch module, connector & coil) + €100 (Lumenition pckup)	++	+	-	+	Quality OEM Bosch parts, ignition controller handles current regulation and automatic dwell. Can be triggered by existing points (requires a small transistor circuit to invert the trigger signal) but recommended to convert distributor to optical pickup (Lumenition OS50, Crane). Use only with dedicated coil #0 221 12 334 for best results. The Bosch module can be easily installed in an empty Dinoplex AEC103 box for originality. (see www.dinoplex.org for schematics and part list)
<b>Crane XR700 (700-0231)</b> www.cranecams.com	X					X	X				Marelli S125 converted to Crane XR700 optical pickup	Crane XR700-0231 Ignition Module	Marelli BAE 200A (stock coil), or Crane/3rd Party	\$120 + coil	++	+	-	+	Points conversion to optical pickup with advanced inductive ignition amplifier. Can also be used to trigger a CD ignition (Crane, MSD, Mallory etc). <i>Crane Cams was acquired in May 2009 by S&amp;S, unclear about future availability of product.</i>
<b>MSD 6AL-2 with stock distributor</b> www.msdition.com	X					X	X				Standard (remove second set of Points on US cars, those were only used for the retard circuit)	MSD 6AL-2 #6421 (Digital)	MSD Blaster II Coil #8202	\$280 + coil	+	+	-	+	Multi spark for better combustion and more ignition energy in high revs. No starting issues with a cold or hot motor anymore.
<b>Mallory Hyfire 6AL with stock distributor</b> www.malloryperformance.com	X					X	X				Standard (remove second set of Points on US cars, those were only used for the retard circuit)	Mallory Hyfire 6AL #6853M (Digital)	Mallory E-Coil #30440	\$240 + coil	+	+	-	+	Multi spark for better combustion and more ignition energy in high revs. No starting issues with a cold or hot motor anymore.
<b>Superformance Dinoplex AEC103 Replica</b> www.superformance.co.uk	X					X	X				Standard Marelli S125	Superformance ODM transistor ignition	Bosch Red Coil (0221 119 030) with resistor.	€ 310	+	+	+	+	AEC 103A replica enclosure with Marelli label, transistor ignition and Bosch coil. (Formerly known as "Super4")
<b>Perma-Tune PTFR Ignition</b> www.perma-tune.com	X					X	X				Standard Marelli S125	Perma-Tune PTFR Ignition	Perma-Tune Coil	\$350 + coil	+	+	-	+	CD based ignition system delivering a single, powerful spark. Perma-Tune is known for a wide range of Porsche replacement ignitions.
<b>Perma-Tune Dinoplex Conversion</b> www.perma-tune.com	X					X	X				Standard Marelli S125	Perma-Tune Ignition (built into AEC 103 box)	Perma-Tune Coil	\$1300 + coil	-	+	+	+	Perma-Tune ignition build into existing Dinoplex box for stock appearance. Price includes conversion of supplied Dinoplex unit.
<b>MSD 6AL &amp; Pertronix Conversion</b> www.pertronix.com www.msdition.com			X			X	X				Marelli S125 converted to Pertronix MR-161 Ignitor hall pickup	MSD 6AL-2 #6421 (Digital)	MSD Blaster II Coil #8202	\$420	+	+	-	+	Modern replacement of the Dinoplex capacitive discharge system: Hall pickup, digital capacitive multiple spark ignition system and high energy coil. (see www.dinoplex.org for schematics and part list)
<b>Fully electronic distributor with coil</b> www.dinoparts.de			X			X	X	X			System is based on a new replacement distributor by 123ignitions with Marelli S125 engine adapter	123ignitions electronic ignition controller	Bosch Red Coil (0221 119 030 KW)	€ 1.068	-	++	-	+	Replacement distributor with hall pickup and electronic advance map, no need to adjust advance weights anymore. Interesting product if originality is not an issue, although relatively expensive compared to a 123ignitions distributor for other six cylinder engines. One fixed timing map included, cannot be reprogrammed by the user.
<b>Black Stallion BSMpdi</b> www.superformance.co.uk www.blackstallionmotors.com.au			X			X	X	X	X		New Distributor using a Bosch cap and Siemens hall sensor	BSM Delta Advanced Ignition Module	Bosch TCI Coil for transistor ignitions	€ 1.600	+	++	-	-	Replacement distributor with hall pickup and electronic advance map. Very effective for more torque and a smoother running engine. No need to adjust advance weights anymore. Two advance curves can be programmed via a PC and selected from a dashboard switch. Fair price considering it comes with a new distributor, coil, a set of spark wires and is fully programmable.
<b>Motormanagement</b> www.dinoparts.de			X	X		X	X	X	X		VR (Cam) Sensor, does not require a distributor	KMS ECU IB	Beru 0 040 402 004 Coil Pack	€ 2.980	--	++	--	+	Very advanced system, utilizes Lambda sensors for measuring air/fuel ratio after combustion. Price includes setup and configuration. Difference between this setup and a MAP/TPS controlled distributorless system might not be worth the huge price difference though.
<b>Megajolt Lite V4</b> www.autosportlabs.com			X	X	X	X	X	X	X		VR (Cam) Sensor, does not require a distributor	MegaJolt Lite Jr. Ignition Controller	Ford ED156 Coil Pack	€ 450	++	++	--	--	Very advanced system, distributorless ignition controller with MAP or TPS sensor and programmable control unit. Two advance curves can be programmed via PC and selected from the dashboard. Excellent software. Choose this if you want to have absolute control and are not intimidated to set up your Dino on a rolling road. Support of Lamda and temperature sensor in new version V4 possible.