

Electronic Ignition Conversion Kits



UNILITE® BREAKERLESS IGNITION CONVERSION

Mallory's UNILITE® Breakerless Conversion Kit provides a simple conversion from the breaker points and condenser in many 8 cylinder Delco-Remy, Ford-Motorcraft, Mopar Performance and 4, 6 and 8 cylinder Mallory distributors. The self-contained UNILITE® module assembly has no moving parts to wear out. How does it work? The points are replaced by the UNILITE® module which consists of an integrated photo coupler, a signal processor and a power switch. Each time the shutter wheel stops the infrared light from reaching the photo coupler, the electronic circuitry energizes the ignition coil. When the shutter wheel allows the infrared light to reach the photo coupler, the electronic circuitry allows the stored energy in the ignition coil to discharge.

Using Mallory's time tested breakerless ignition circuit, combined with modern surface mount Thermal-Clad® construction, the Mallory UNILITE® Breakerless Conversion Kit can drive both OEM and high performance ignition coils. For best results always use a Mallory PROMASTER® Coil Part No. 29440, Part No. 29625 or Mallory Chrome Electronic Ignition Coil Part No. 29216. Converting to the UNILITE® Breakerless Ignition is as easy as a three wire connection.

The Mallory UNILITE® Breakerless Conversion Kit is designed for 12-volt negative ground systems, OEM coil and ballast resistor.

Pursuant to Executive Order No. D-70-27, the Mallory UNILITE® Breakerless Conversion Kits Part Nos. 501, 502 and 503 have been granted exemptions by the California Air Resources Board (CARB) which allows these products to be sold and used in California on certain vehicles. Contact the factory for applications.



PERFORMANCE FEATURES

- Improved performance.
- Accurate timing.
- Reduced maintenance.
- Improved fuel economy.
- Easy installation.

AUTOMOTIVE APPLICATIONS

CYL.	DIST. TYPE	DESCRIPTION	PART NO.	SERVICE PARTS
8	DELCO	1957-74 (INCLUDES CORVETTE DUAL POINT DIST. W / EXTERNALLY ADJUSTABLE POINTS)	501	A
8	FORD MOTORCRAFT	1957-74 (SINGLE POINT DISTRIBUTORS ONLY)	502	B
8	CHRYSLER	1959-73 (SINGLE POINT DISTRIBUTORS ONLY) KIT INCLUDES REPLACEMENT CAP PART NO. 250	503	C
8	MALLORY YL	YL / HP, 25 AND 26 SERIES, STACK CAP (EXCEPT DIST. PART NO. 2548201-D)	504	D or DD ^{††}
8	MALLORY YL	PART NO. 2548201-D DISTRIBUTOR ONLY (DIE CAST HOUSING)	504D	D
8	MALLORY YL	YL / HP, 25 AND 26 SERIES, FLAT CAP	507	E
8	MALLORY YT [†]	25 AND 26 SERIES, STACK CAP, LH ROTATION	549-L	D or DD ^{††}
8	MALLORY YT [†]	25 AND 26 SERIES, STACK CAP, RH ROTATION	549-R	D or DD ^{††}
8	MALLORY YT [†]	25 AND 26 SERIES, FLAT CAP, LH ROTATION	551-L	E
8	MALLORY YT [†]	25 AND 26 SERIES, FLAT CAP, RH ROTATION	551-R	E
6	MALLORY YL	YL / HP, 25 AND 26 SERIES, STACK CAP (MINI BOWL)	506	F
6	MALLORY YL	23 AND 24 SERIES, STACK CAP	518	G
6	MALLORY YT [†]	23 AND 24 SERIES, STACK CAP, LH ROTATION	552-L	G
6	MALLORY YT [†]	23 AND 24 SERIES, STACK CAP, RH ROTATION	552-R	G
4	MALLORY YL	YL / HP, 25 AND 26 SERIES, STACK CAP (MINI BOWL)	505	H
4	MALLORY YL	23 AND 24 SERIES, STACK CAP	517	I
4	MALLORY YT [†]	23 AND 24 SERIES, STACK CAP, LH ROTATION	553-L	I
4	MALLORY YT [†]	23 AND 24 SERIES, STACK CAP, RH ROTATION	553-R	I

SERVICE PARTS

DESCRIPTION:	A	B	C	D	DD ^{††}	E	F	G	H	I	RECOMMENDATION:
DISTRIBUTOR CAP	202	217	250	209	208	221	226	270	225	271	RECOMMENDATION: HYFIRE® Ignition Control. See pages 48-52 for further information.
ROTOR / SHUTTER	303 + 338	333	334	335	306	360	331	339	337	340	
UNILITE® MODULE	605	605	605	605	605	605	605	605	605	605	
HARNESS	29349	29349	29349	29349	29349	29349	29349	29349	29349	29349	

NOTE: KITS ARE NOT AVAILABLE FOR MALLORY VACUUM ADVANCE OR COMP 9000® SERIES DISTRIBUTORS. CONTACT THE FACTORY. NOT AVAILABLE FOR SEMI-EVEN FIRE OR ODD-FIRE APPLICATIONS.

See page 114 for Marine Applications. See page 122 for Motorcycle Applications.

[†] YT Series is a new mechanical advance mechanism. To identify this type, the distributor part number on its I.D. tag ends with "A".

^{††} See page 20 for further information.

Electronic Ignition Conversion Kits



Magnetic Breakerless Ignition Conversion

The Mallory Magnetic Breakerless Conversion Kit for Mallory YL and YT series distributors provides a simple conversion from a breaker point or UNILITE® Ignition System to a magnetic breakerless ignition. The self-contained magnetic impulse trigger/ignition module assembly has no moving parts to wear out. Using Mallory's time tested breakerless ignition circuit, combined with modern surface mount Thermal-Clad® construction, the Mallory magnetic breakerless ignition can drive both OEM and high performance ignition coils. For best results always use a Mallory PROMASTER® Coil Part No. 29440, Part No. 29625 or a Mallory Chrome Electronic Ignition Coil Part No. 29216. The magnetic breakerless ignition is also an excellent choice for triggering the HYFIRE® Series of Electronic Ignition Controls. Converting to the magnetic breakerless ignition is as easy as a three wire connection. No modifications to the distributor are necessary and this kit does not require external boxes or attachments.

Not legal for sale or use in California on any pollution controlled motor vehicles.

Breakerless Conversion

Make this the last time you change your points.

Mallory's Breakerless Conversion Kit combines computer-age technology with a unique signal processor programmed to keep dwell constant. The result is a low maintenance electronic ignition system that reduces expensive, bothersome tune-ups. Installation is as easy as changing points.

How does it work?

The points are replaced by a magnetic pickup. Every time a cam lobe passes the magnetic pickup, a signal is sent to the control module. At the control module, an integrated circuit amplifier conditions and amplifies the signal. The next stage is the dwell computer, which uses analog signal processing circuitry to keep dwell constant. The output of the dwell computer drives a rugged output device designed specifically for driving high energy coils.

The Mallory Breakerless Conversion Kit is designed for 12-volt negative ground systems, OEM coil and ballast resistor.

Pursuant to California Executive Order No. D-70-28, the Mallory Breakerless Conversion Kit has been granted exemptions by the California Air Resources Board (CARB) which allows this product to be sold and used in California on certain vehicles. Contact the factory for applications.



AUTOMOTIVE APPLICATIONS

CYL.	DIST. TYPE	DESCRIPTION	PART NO.	SERVICE PARTS
8	MALLORY YL	YL/HP, 25, 26, 37 AND 38 SERIES, STACK CAP (EXCEPT DISTRIBUTOR PART NO. 2548201-D AND 3748201-D)	545	A or AA ^{††}
8	MALLORY YL	YL/HP, 25, 26, 37 AND 38 SERIES, FLAT CAP	546	B
8	MALLORY YT [†]	25, 26, 37 AND 38 SERIES, STACK CAP, LH ROTATION	541-L	A or AA ^{††}
8	MALLORY YT [†]	25, 26, 37 AND 38 SERIES, STACK CAP, RH ROTATION	541-R	A or AA ^{††}
8	MALLORY YT [†]	25, 26, 37 AND 38 SERIES, FLAT CAP, LH ROTATION	542-L	B
8	MALLORY YT [†]	25, 26, 37 AND 38 SERIES, FLAT CAP, RH ROTATION	542-R	B
6	MALLORY YL	23, 24, 45 AND 46 SERIES	543	C
6	MALLORY YT [†]	23, 24, 45 AND 46 SERIES, LH ROTATION	544-L	C
6	MALLORY YT [†]	23, 24, 45 AND 46 SERIES, RH ROTATION	544-R	C
4	MALLORY YL	23, 24, 45 AND 46 SERIES	547	D
4	MALLORY YT [†]	23, 24, 45 AND 46 SERIES, LH ROTATION	548-L	D
4	MALLORY YT [†]	23, 24, 45 AND 46 SERIES, RH ROTATION	548-R	D

SERVICE PARTS

DESCRIPTION:	A	AA ^{††}	B	C	D
DISTRIBUTOR CAP	209	208	221	270	271
ROTOR	309	308	318	309	309
PICK-UP / MODULE	609	609	609	609	609
HARNESS	29349	29349	29349	29349	29349

RECOMMENDATION:
HYFIRE® Electronic Ignition Control.
See pages 48 and 52 for further information.

NOTE: KITS ARE NOT AVAILABLE FOR MALLORY VACUUM ADVANCE OR COMP 9000® SERIES DISTRIBUTORS. CONTACT THE FACTORY. NOT AVAILABLE FOR SEMI-EVEN FIRE OR ODD-FIRE APPLICATIONS.

See page 115 for Marine Applications. See page 122 for Motorcycle Applications.

[†] YT Series is a new mechanical advance mechanism. To identify this type, the distributor part number on its I.D. tag ends with "A".

^{††} See page 20 for further information.



AUTOMOTIVE APPLICATIONS

CYL.	DIST. TYPE	DESCRIPTION	PART NO.	SERVICE PARTS
V8	DELCO	GM, AMC, JEEP and RAMBLER, 1957-74; IHC, 1957-80; STUDEBAKER, 1960-61	540	A
V8	FORD	FORD, FORD TRUCKS, LINCOLN and MERCURY, 1957-74 (SINGLE POINT ONLY)	540	B
L6	DELCO	AMC and RAMBLER, 1963-74; BUICK, 1968-74; CHEVROLET and GMC (EXCEPT V6), 1965-74; IHC, 1957-80; JEEP (EXCEPT V6), 1966-74; OLDSMOBILE and PONTIAC, 1966-74; STUDEBAKER, 1960-61	540	C
L6	FORD	FORD, FORD TRUCKS, 1960-74; IHC, 1957-80	540	C
L4	BOSCH	AUDI: ALL, 1968-74	550	D
L4	BOSCH	BMW: 1600 T1 and GT, 1968-69; 2000 CS, TI, TII, 1966-73; 2002 and 2002 TII, 1969-73	550	D
L4	BOSCH	FORD: PINTO, CAPRI - 1600cc, 2000cc and 2300cc, 1971-74	550	D
L4	BOSCH	MERCEDES-BENZ: 220, 1972-73; 230, 1974-77	550	D
L4	BOSCH	SAAB: 95V4, 96V4, 1970-73; 99 (E, EA), 1970-74; SONNETT II, III, SONNETT V4, 1970-74	550	D
L4	BOSCH	VOLKSWAGEN: ALL - AIR COOLED, 1968-83; ALL - WATER COOLED, 1975-80	550	D
L4	DELCO	VEGA, 1971-74	550	D
L4	HONDA	CIVIC, 1972-79	550	D
L4	NISSAN	DATSUN: 1965-74 (SINGLE POINT ONLY)	550	D
L4	TOYOTA	ALL: SINGLE POINT / ONE PIECE POINT ONLY, 1968-79	550	D

SERVICE PARTS

DESCRIPTION:	A	B	C	D
DISTRIBUTOR CAP	202	217	-	-
ROTOR	303	315	-	-
CONTROL MODULE/AMPLIFIER	616	616	616	617
MAGNETIC PICK-UP	614	614	614	615

RECOMMENDATION:
Electronic Ignition Coil, Part No 29216.
See page 25 for further information.