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## SUBJECT: SINGLE EXTRA-HIGH OUTPUT ALTRONIC III FOR M.E.P. ENGINES

Many M.E.P. engines are operating today with dual Altronic III units per engine. This for many years was the M.E.P. factory specification. M.E.P. now has changed their factory specification to a single, high output ignition generator. Altronic offers M.E.P. operators two ways to convert to a single ignition unit installation:

- 1) Single extra-high output Altronic III operating on the existing stepped-up ratio magneto drive;
- 2) Single extra-high output Altronic III operating on the new 1:1 M.E.P. factory drive adaptation. A drive adaptor is also available from McLain's, Inc., Texas City, Texas.

These extra-high output units are specially engineered for the unique case of the M.E.P. engine with a pre-combustion chamber design coupled with two spark plugs firing per cylinder. The chart below lists the Altronic III model no. for both cases:

<u>ENGINE MODEL</u>	<u>EXISTING DRIVE RATIO</u>	<u>1:1 DRIVE RATIO</u>
M.E.P. - 6	6A32S-A (3:1	6A12XS-A
M.E.P. - 8	8A22S-A (2:1)	8A12XS-A
M.E.P. - 10	10A51S-A (2.5:1	10A11XS-A
M.E.P. - 12	12A31S-A (3:1	12A11XS-A

Due to the high energy level of these units, it is necessary that a complete new Altronic III unit be purchased for these conversions. The 1:1 drive models have a special alternator magnet-rotor to achieve the high energy levels with an engine speed drive; the suffix "X" in the unit part no. designates this high output alternator rotor. We also recommend the use of the standard blue coils - 501 061 unshielded or 501 061-S shielded. The extra-high output units give considerably extended spark duration with these coils in this application.