



“NOTES” APPLICATION & SERVICE

NUMBER: 26

DATE: June 18, 2001

x APPLICATION x SERVICE

SUBJECT: Ajax Altronic I Applications using the DSM-4689 & DE Annunciators

Ajax engines that use the Altronic I ignition utilize a double magnet imbedded in the flywheel to trigger each cylinder. The first magnet is “recessed”, and does not trigger the pickup coil at cranking rpm, which allows for the timing to automatically “retard” for startup. Once running above cranking speeds, this leading recessed magnet triggers the ignition which allows the engine to run at the full advance timing position. Normally, the second pickup “pulse”, created by the second magnet, can show up on the shutdown lead as a second primary firing, but is low enough that it does not trigger tachometer circuits. As circuits have been updated in the Altronic I and primary voltages have also risen, this double “shutdown lead pulse” can sometimes cause erratic rpm readings on the DSM-4689DUS and the DE-2500. (Please note that the DE-2500 tachometer input circuit resides in the 691122-1 Power Supply Module) Any DSM-4689DUS and DE-2500 units applied to the Ajax Altronic I system should be above the following serial numbers to allow for proper operation. Units already applied in the field to these Altronic I’s can have this modification done at no cost by returning them to Altronic.

DSM-4689DUS

Modification starts with S/N 1506

DE-2500 Power Supply 691122-1

Modification starts with S/N 1415