

July 21, 1977
A - 1-9-78

ENGINEERING MEMO #391

TO: Memo Distribution
FROM: R. E. Orwig
SUBJECT: MAINTENANCE FREE BATTERY(#705829)

We have released a new maintenance free battery to replace our present 701992 battery. This will be effective with the 1978 models per Engineering Memo #383. The new battery will be a Willard Brand Type MFT-30H.

This battery is completely maintenance free - though unlike some brands of maintenance free batteries - water CAN be added. However, the battery has been designed with sufficient electrolyte so that water addition will not be required in commercial service for the life expectancy of the battery.

Following is a brief comparison of ratings for the present vs the new battery:

	<u>701992(SMR-30HR)</u>	<u>705829(MFT-30H)</u>
20 HR. CAPACITY	80 A.H.	90 A.H.
PLATES PER CELL	9	13
COLD CRANKING OF	285 AMPS.	380 AMPS.
RESERVE CAPACITY	90 MIN.	120 MIN.
WEIGHT	63 LBS.	58 LBS.

The new battery is completely interchangeable with the old for Service and is recommended. The battery polarity is reversed, but this presents no problem - simply install the maintenance free battery 180° to the present battery position. The battery cable lengths are suitable for either installation.

(A) This Memo incorporated at Chassis #80165.