

Systems Operation

CB44B, CB54B, CD44B and CD54B Vibratory Asphalt Compactors Machine Electronic Control

System

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i07655131

General Information

SMCS - 1400; 7610-MCH



Illustration 1
CB44B Asphalt Compactor

g03857170



Illustration 2
CB54B Asphalt Compactor

g03857171



Illustration 3
CD44B Asphalt Compactor

g03857172



Illustration 4
CD54B Asphalt Compactor

g03857159

There are two Machine ECMs. Both ECMs require a flash file specific to the machine model and serial number type. The Machine ECMs require service if one or both are replaced, or when replacement flash files are made available. The Machine ECMs use one version of software for all machines of the same serial number type. The Machine ECM and flash file contain specific information for each machine model. The machine model must be selected in the "Configurations" settings using the Plus+1 Service Tool for Caterpillar (P1STC). The configuration settings change how the ECM communicates and operates. The configuration settings must match the machine components and attachments. Incorrect configuration settings cause nuisance fault and/or event codes. The propel and vibratory functionality may be locked out until the proper configurations are selected and saved. The propel and vibratory functionality will be locked out until the machine calibrations are completed.

Additional ECMs are used for certain attachments and require a flash file when new. Refer to Illustration 5 and 6 for a list of uses the additional ECMs provide. A Split Drum ECM may be installed on machines with solid drums depending on the attachments installed to the machine. The Display requires a flash file when new. The Display and attachment ECMs are serviced with the Plus+1 Service Tool for Caterpillar.

Refer to Special Instruction, REHS7696 for installation instructions of the Plus+1 Service Tool for Caterpillar.
