

INSTRUCTIONS: KIT K33 0009 – RECTIFIER CONVERSION

Replacing Selenium Rectifier (09a020) With Silicon Rectifier (09a020ebr)

Note #1: Conversion to EBR Rectification requires changing the clutch rectifier and the corresponding clutch transformer, i.e., change the wash clutch transformer with the wash clutch rectifier, etc.

Note #2: See attached drawings.

Conversion is easily accomplished in the following steps:

1. Determine the machine control circuit voltage. Locate and identify the clutch rectifier to be changed and the corresponding clutch transformer; trace and note the connection points for the two black (#1 BK and #2 BK) transformer leads and the RD/YE lead.
2. After noting the connection points, disconnect these three leads as well as the two red leads (the red leads are connected to the rectifier to be replaced).
3. Remove the 09U001 (09U001AAA = 50 HZ) transformer and mount the 09UB100A16 in its place.
4. Find a convenient location on the sheetmetal near the transformer to mount the EBR rectifier. Drill a #8 clearance hole in the sheetmetal and mount the EBR with a #8 self-tapping screw through its center clearance hole. Tighten snugly but avoid over-tightening.
5. Connect the transformer and the rectifier referring to notes 1, 2, 3, 4 and 5 of the appropriate conversion outline (choose according to control circuit voltage).
6. Re Conversion Outline Note #3: Some machines do not have return wires to the rectifier ground. In this case it is necessary to use the jumper furnished with the kit and ground one terminal of the EBR –shown in dashed lines above Note #3.
7. Re Conversion Outline Note #4: Use either X2 = 60HZ or X1 = 50HZ.
8. See pictures below.

New Part No.
09UB100A16





