

PARTS & SERVICE NEWS

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(C)

SUBJECT: REWIRING HVAC BLOWER CONTROL SWITCH

PURPOSE: To introduce to the field a kit for rewiring the blower control for extending life of HVAC components.

APPLICATION: Komatsu Electric Drive Dump Trucks:
 730E: AFE47-A & Up, A30079 & Up;
 830E: AFE32-A & Up, AFE50-A & Up, A30544 & Up;
 930E: AFE48-A & Up, A30019, A30026 & Up;

FAILURE CODE: 8700Z9

DESCRIPTION: Heater Control Wiring Kit (XK0033)

At present time, the air conditioner in the specified trucks may be turned on, or remain on, independent of the blower switch. Though some cooling may occur, this is not very efficient and in most cases may be the result of forgetfulness. As a result, the compressor clutch will remain energized (assuming conditions are optimal) and the compressor will pump refrigerant. If operation of the compressor is unintentional, many hours of useless wear on HVAC components may cause premature failures to the system.

In order to avoid unintentional operation of the air conditioner, Heater Control Wiring Kit (XK0033) has been developed to rewire the system to operate only after the blower control switch has been activated. This functionality will help conserve component life and enhance engine efficiency.

Contents of the kit are listed in the table below. Two drawings are included in the kit and contain schematics and instructions for the rewire. Each drawing is applicable to certain heater/AC assemblies. The applicable part numbers for each drawing are listed in the table footer.

Heater Control Wiring Kit (XK0033)		
Part Number	Description	Quantity
7J7906	*Heater Control Wiring Drawing	1
EJ7910	**Heater Control Wiring Drawing	1
CH4143	Cable Structure	1
CH4144	Cable Structure	1
VH2584	Terminal Ring	1
VZ4333	Terminal Receptacle	1

* applicable for heater/AC assemblies - SM5900, SM6200

** applicable for heater/AC assemblies - SM5270, SM5273, SM5466